

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062782.D
 Acq On : 19 Jun 2019 16:34
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 20 01:38:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1005240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1371979	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1132823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	643601	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	1192274	109.02	ug/l	0.00
Spiked Amount			Recovery	=	218.04%	
35) Dibromofluoromethane	6.94	113	1255672	108.54	ug/l	0.00
Spiked Amount			Recovery	=	217.08%	
50) Toluene-d8	10.42	98	2624678	104.24	ug/l	0.00
Spiked Amount			Recovery	=	208.48%	
62) 4-Bromofluorobenzene	13.56	95	1273387	111.22	ug/l	0.00
Spiked Amount			Recovery	=	222.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1240251	95.250	ug/l	98
3) Chloromethane	1.75	50	886467	90.522	ug/l	98
4) Vinyl Chloride	1.85	62	953657	98.223	ug/l	96
5) Bromomethane	2.15	94	376039	82.702	ug/l	93
6) Chloroethane	2.26	64	407066	92.605	ug/l	92
7) Trichlorofluoromethane	2.53	101	1808853	92.057	ug/l	97
8) Diethyl Ether	2.87	74	237031	94.944	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	1046694	98.329	ug/l	98
10) Methyl Iodide	3.30	142	1556444	110.838	ug/l	99
11) Tert butyl alcohol	4.10	59	215650	432.888	ug/l	99
12) 1,1-Dichloroethene	3.13	96	763177	95.570	ug/l	97
13) Acrolein	3.04	56	247608	486.892	ug/l	95
14) Allyl chloride	3.62	41	1144750	97.125	ug/l	98
15) Acrylonitrile	4.21	53	610187	521.337	ug/l	94
16) Acetone	3.24	43	1073295	438.508	ug/l	98
17) Carbon Disulfide	3.37	76	2533848	99.421	ug/l	96
18) Methyl Acetate	3.65	43	320621	97.109	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	1728503	99.991	ug/l	98
20) Methylene Chloride	3.82	84	788476	94.525	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	881020	103.618	ug/l	96
22) Diisopropyl ether	5.14	45	2479652	103.339	ug/l	99
23) Vinyl Acetate	5.07	43	7743450	514.703	ug/l	97
24) 1,1-Dichloroethane	4.99	63	1566886	100.294	ug/l	98
25) 2-Butanone	6.09	43	1077085	526.567	ug/l	94
26) 2,2-Dichloropropane	6.03	77	1629432	98.398	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	893635	99.385	ug/l	92
28) Bromochloromethane	6.45	49	568048	103.235	ug/l	96
29) Tetrahydrofuran	6.46	42	502241	518.939	ug/l	99
30) Chloroform	6.67	83	1912464	100.655	ug/l	98
31) Cyclohexane	6.97	56	1072507	104.427	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	1987714	100.442	ug/l	94
36) 1,1-Dichloropropene	7.15	75	1274469	98.129	ug/l	97
37) Ethyl Acetate	6.20	43	536179	90.148	ug/l	97
38) Carbon Tetrachloride	7.12	117	1990464	100.068	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1160421	101.504	ug/l	96
40) Benzene	7.47	78	2662518	102.128	ug/l	99
41) Methacrylonitrile	6.46	41	671338	98.017	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	1436893	101.033	ug/l	100
43) Isopropyl Acetate	9.25	43	708396	104.038	ug/l	98
44) Trichloroethene	8.55	130	1037511	101.511	ug/l	100
45) 1,2-Dichloropropane	8.95	63	673814	103.943	ug/l	99
46) Dibromomethane	9.07	93	548296	98.462	ug/l	94
47) Bromodichloromethane	9.39	83	1413982	97.771	ug/l	96
48) Methyl methacrylate	9.13	41	477571	98.698	ug/l	98
49) 1,4-Dioxane	9.09	88	89951	2234.457	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	2339505	484.615	ug/l	99
52) Toluene	10.52	92	1753015	100.032	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	1220501	103.108	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	1329565	103.339	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	589451	97.903	ug/l	92
56) Ethyl methacrylate	11.05	69	639861	99.445	ug/l	96
57) 1,3-Dichloropropane	11.42	76	886691	96.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	1635755	495.191	ug/l	98
59) 2-Hexanone	11.54	43	1790709	520.837	ug/l	98
60) Dibromochloromethane	11.69	129	1179977	105.219	ug/l	99
61) 1,2-Dibromoethane	11.81	107	738763	103.893	ug/l	96
64) Tetrachloroethene	11.27	164	925929	99.312	ug/l	98
65) Chlorobenzene	12.41	112	2219268	105.559	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	1008852	102.609	ug/l	93
67) Ethyl Benzene	12.53	91	3886213	102.956	ug/l	100
68) m/p-Xylenes	12.68	106	2796562	212.720	ug/l	88
69) o-Xylene	13.05	106	1268614	105.559	ug/l	100
70) Styrene	13.08	104	2181062	103.323	ug/l	93
71) Bromoform	13.24	173	727749	108.033	ug/l #	95
73) Isopropylbenzene	13.40	105	3648554	88.415	ug/l	99
74) N-amyl acetate	13.27	43	985424	98.331	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	660190	98.189	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	716011	96.369	ug/l	95
77) Bromobenzene	13.68	156	1083362	97.605	ug/l	91
78) n-propylbenzene	13.78	91	4473353	93.136	ug/l	99
79) 2-Chlorotoluene	13.85	91	2577804	93.999	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	3107856	89.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	199150	102.272	ug/l	90
82) 4-Chlorotoluene	13.96	91	3012479	91.162	ug/l	95
83) tert-Butylbenzene	14.19	119	3612193	93.492	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	3108744	87.503	ug/l	99
85) sec-Butylbenzene	14.37	105	3611023	85.992	ug/l	95
86) p-Isopropyltoluene	14.50	119	3453072	89.885	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1834796	92.216	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	1888625	94.506	ug/l	97
89) n-Butylbenzene	14.80	91	3356894	93.360	ug/l	95
90) Hexachloroethane	15.01	117	1001297	96.940	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	1583246	93.006	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	145253	110.683	ug/l	69

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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:31:14 2019
Response via : Initial Calibration

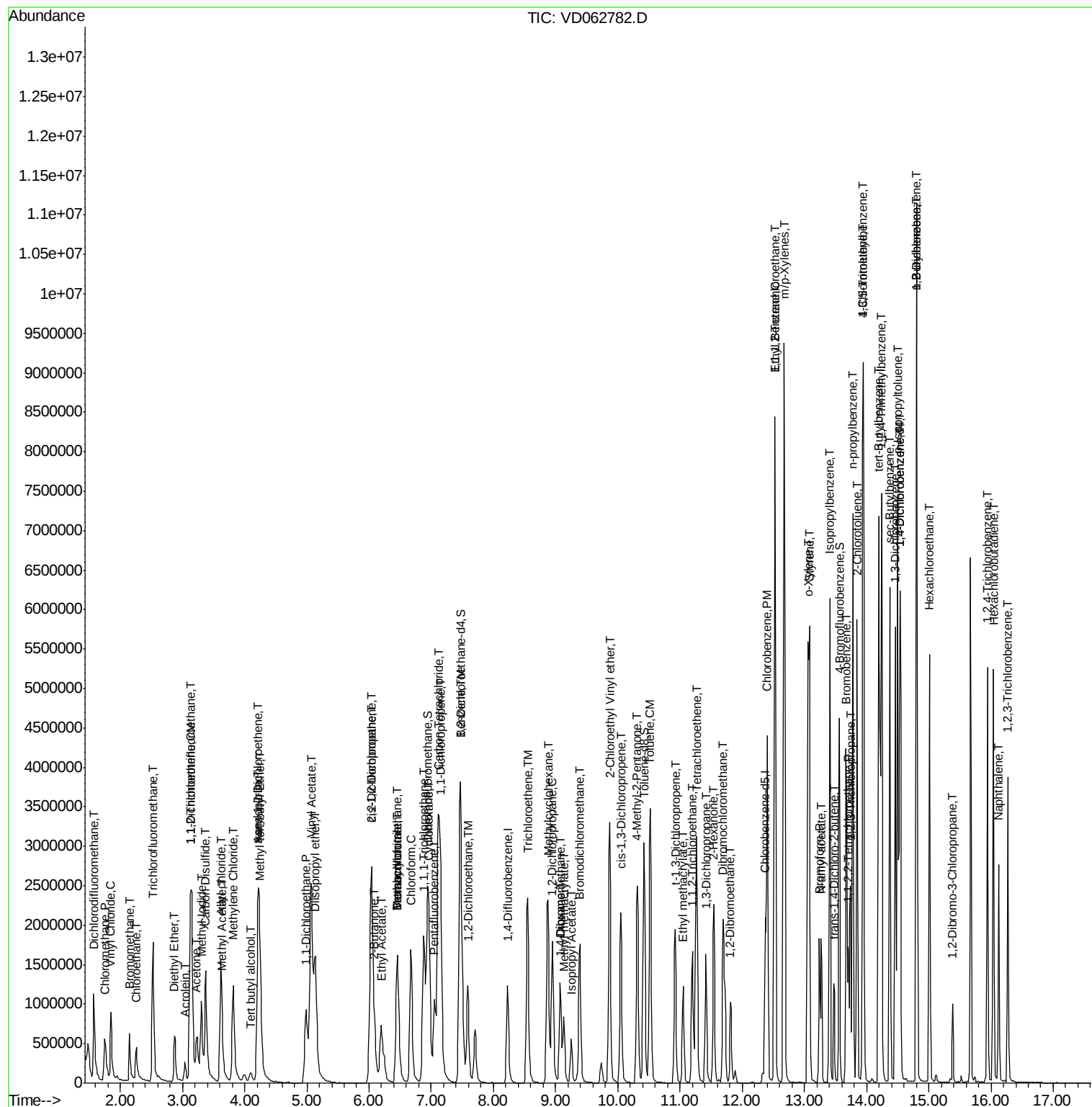
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1242894	93.466	ug/l	96
94) Hexachlorobutadiene	16.04	225	934119	91.950	ug/l	96
95) Naphthalene	16.13	128	1781111	95.562	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	963516	94.303	ug/l	97

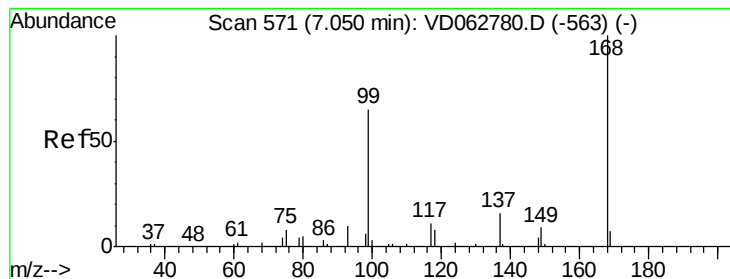
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062782.D
 Acq On : 19 Jun 2019 16:34
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 Sample : VSTDIC100
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Quant Time: Jun 20 01:38:42 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

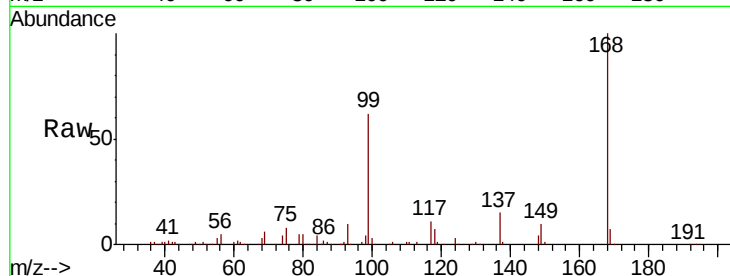
VSTDIC100

Tot Ion:168 Resp: 1005240

Ion Ratio Lower Upper

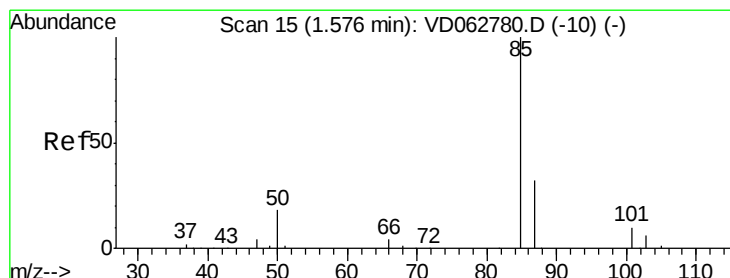
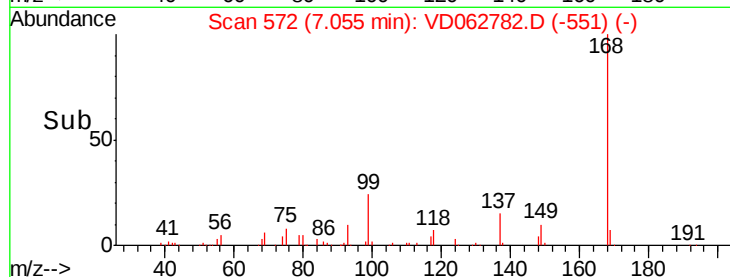
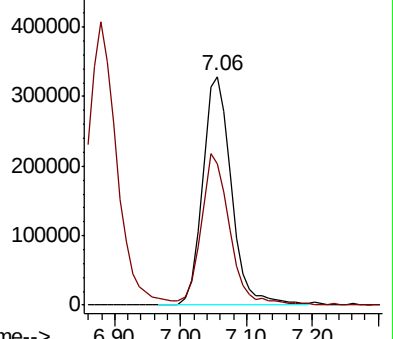
168 100

99 61.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 95.250 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062782.D

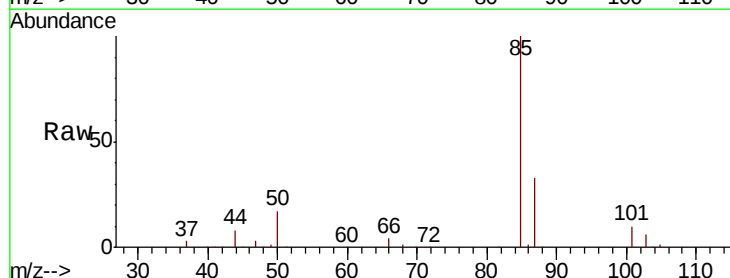
Acq: 19 Jun 2019 16:34

Tgt Ion: 85 Resp: 1240251

Ion Ratio Lower Upper

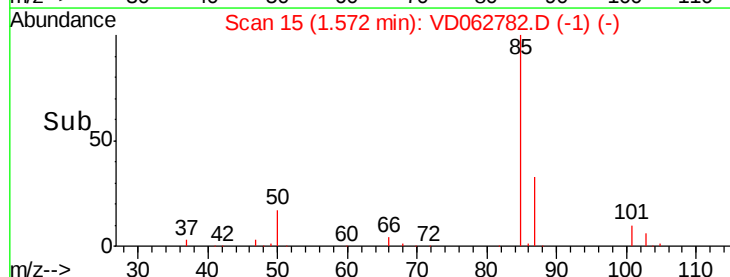
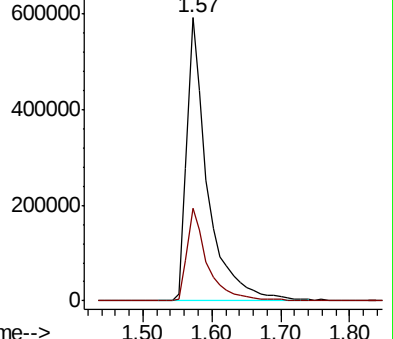
85 100

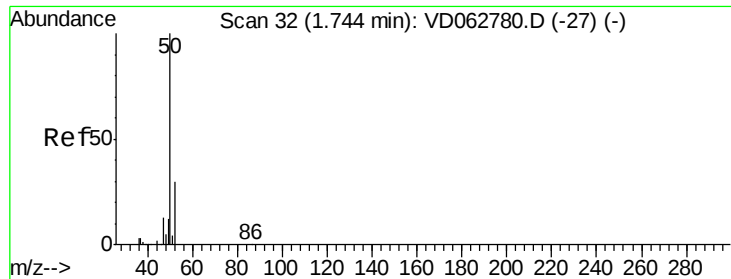
87 32.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

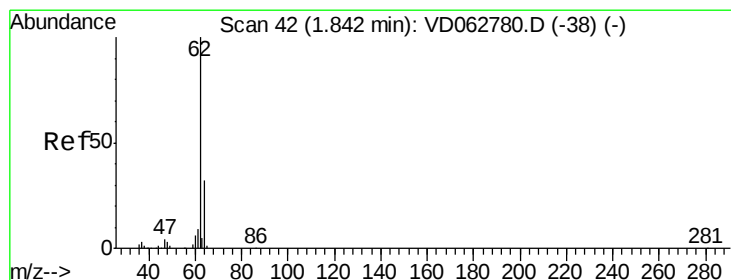
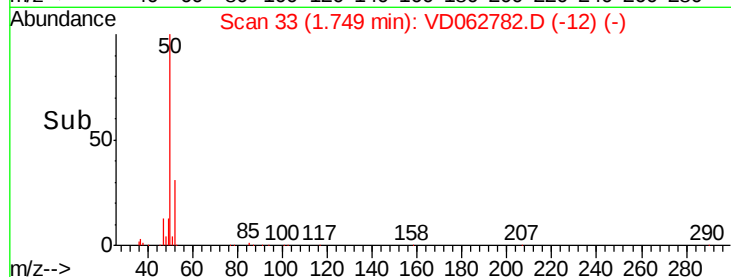
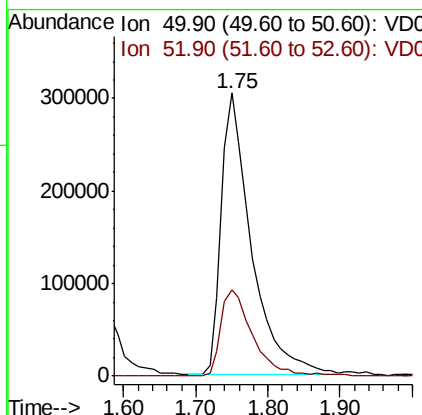
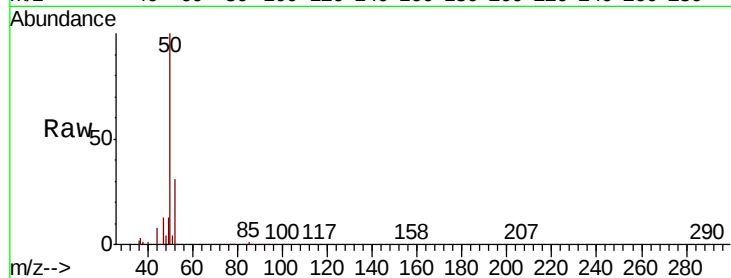




#3
Chloromethane
Concen: 90.522 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

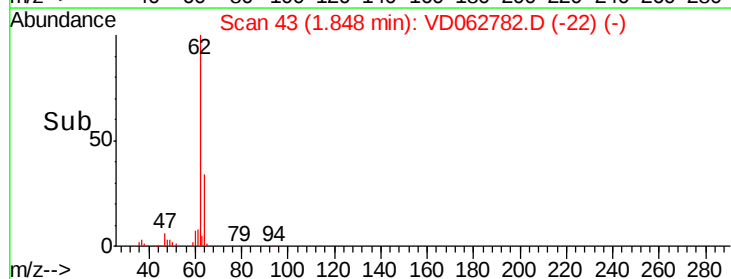
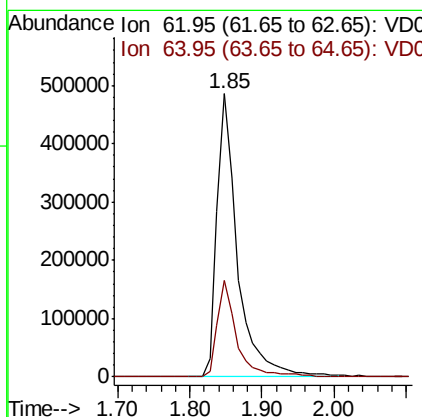
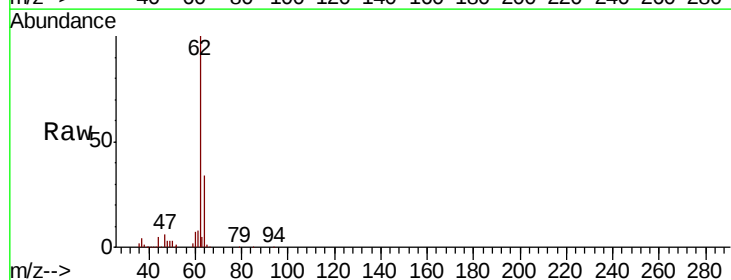
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

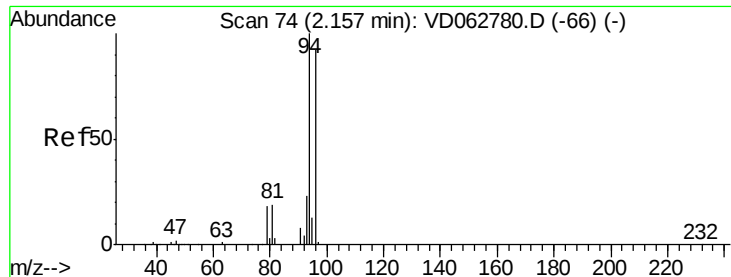
Tot Ion: 50 Resp: 886467
Ion Ratio Lower Upper
50 100
52 30.6 23.6 35.4



#4
Vinyl Chloride
Concen: 98.223 ug/l
RT: 1.85 min Scan# 43
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 62 Resp: 953657
Ion Ratio Lower Upper
62 100
64 34.3 25.6 38.4





#5

Bromomethane

Concen: 82.702 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

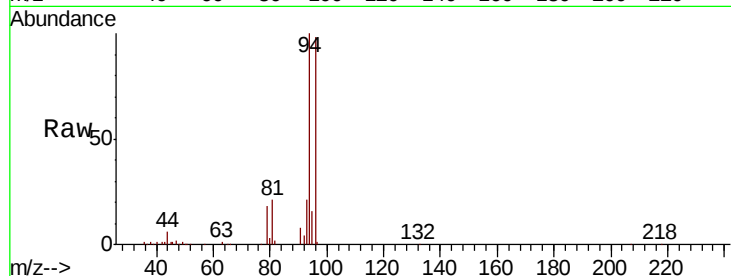
Tot Ion: 94 Resp: 376039

Ion Ratio Lower Upper

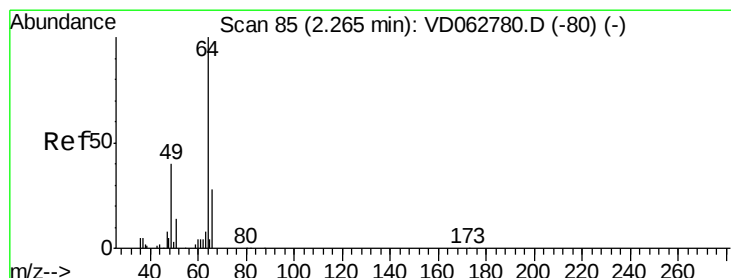
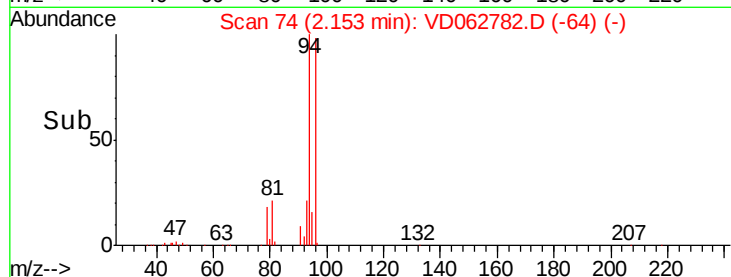
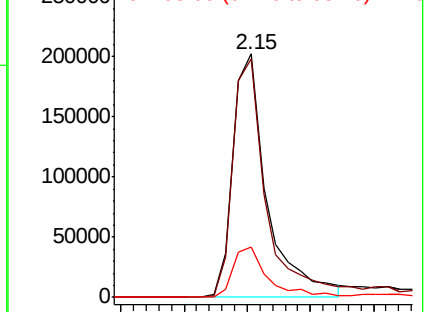
94 100

96 99.3 73.4 110.2

93 20.8 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 92.605 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062782.D

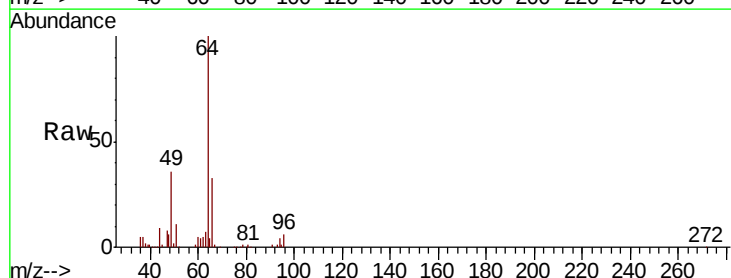
Acq: 19 Jun 2019 16:34

Tgt Ion: 64 Resp: 407066

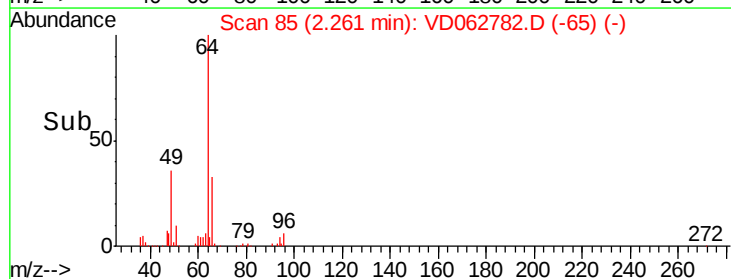
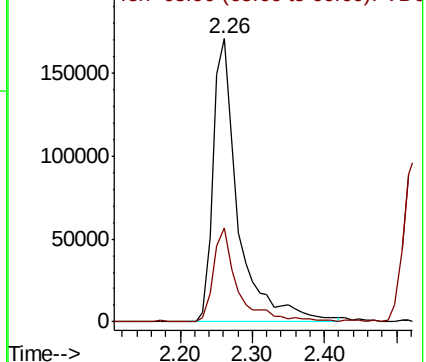
Ion Ratio Lower Upper

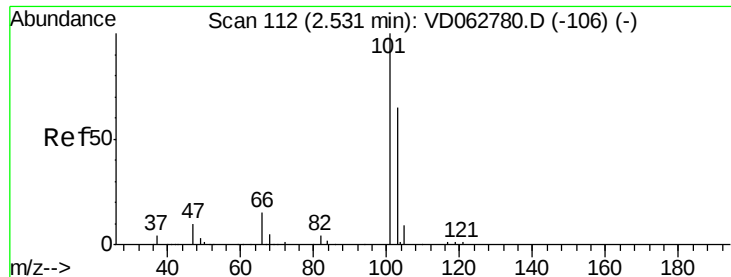
64 100

66 33.1 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



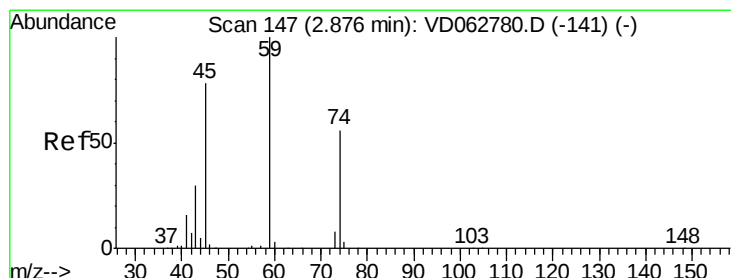
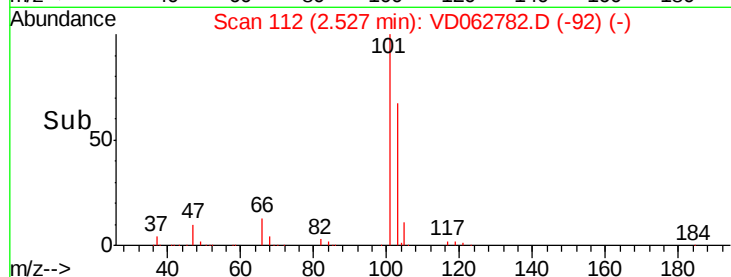
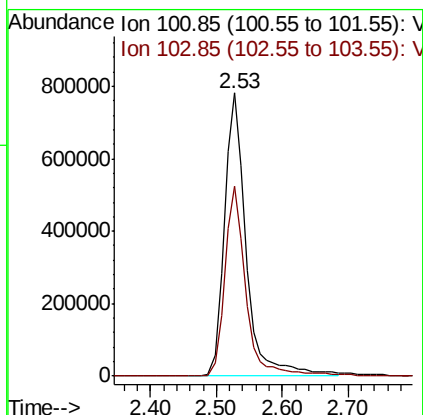
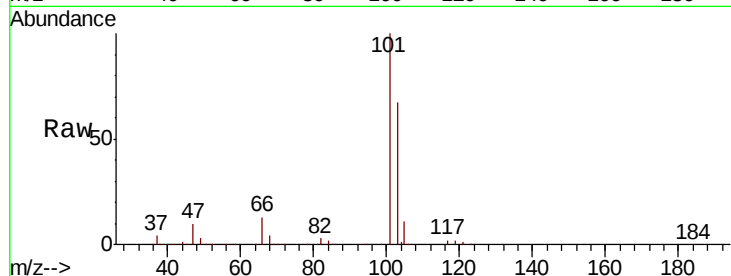


#7

Trichlorofluoromethane
 Concen: 92.057 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Instrument :
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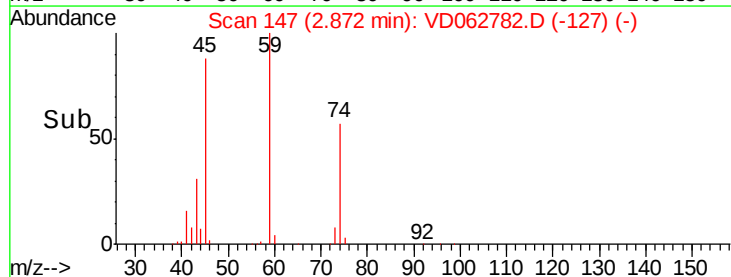
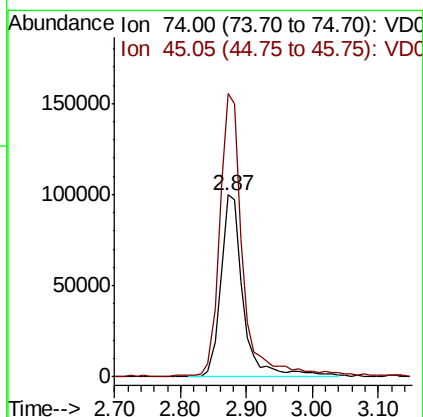
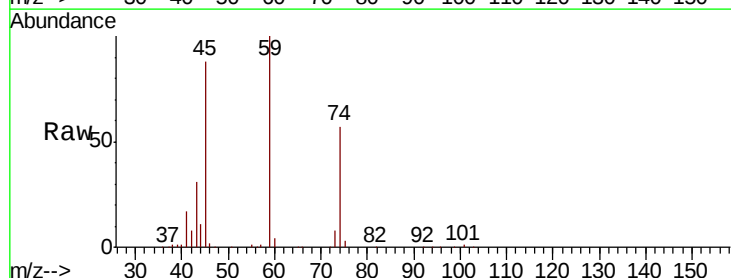
Tot Ion:101 Resp: 1808853
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.8 77.8

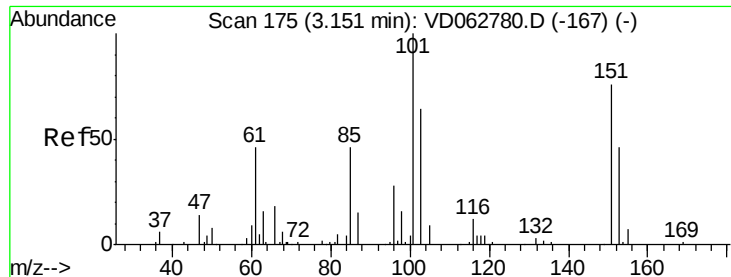


#8

Diethyl Ether
 Concen: 94.944 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 74 Resp: 237031
 Ion Ratio Lower Upper
 74 100
 45 155.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.329 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

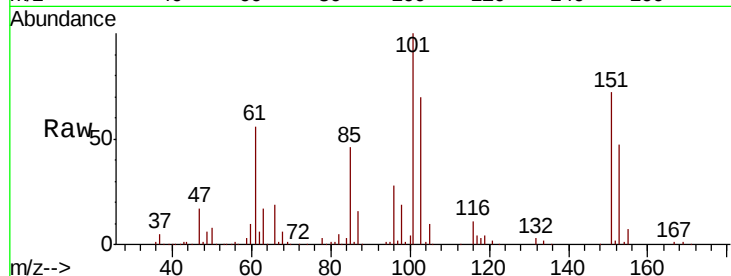
Tot Ion:101 Resp: 1046694

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.4

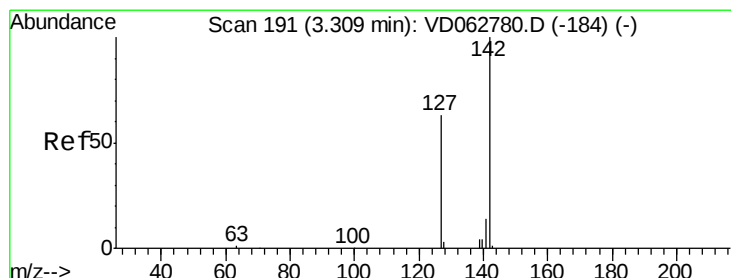
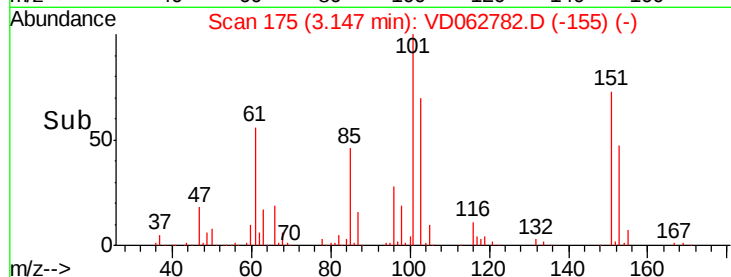
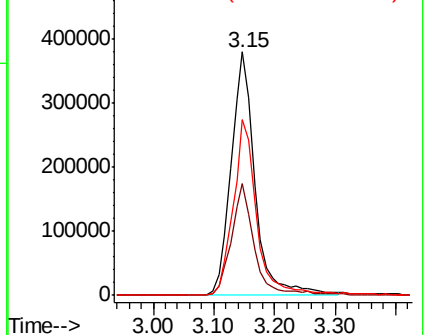
151 72.4 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 110.838 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

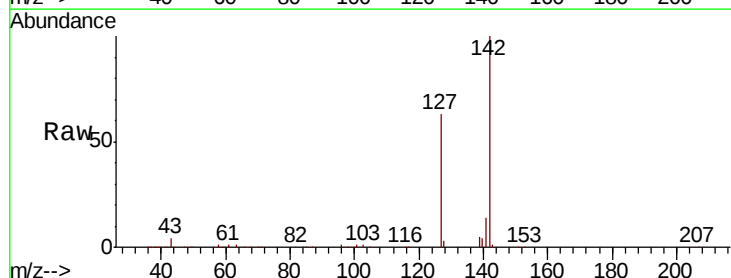
Tgt Ion:142 Resp: 1556444

Ion Ratio Lower Upper

142 100

127 63.2 50.1 75.1

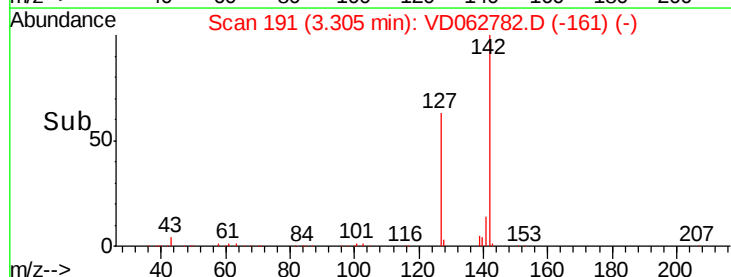
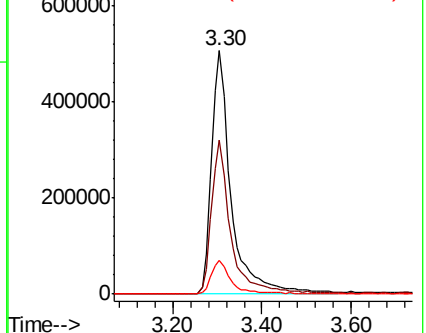
141 13.9 11.0 16.4

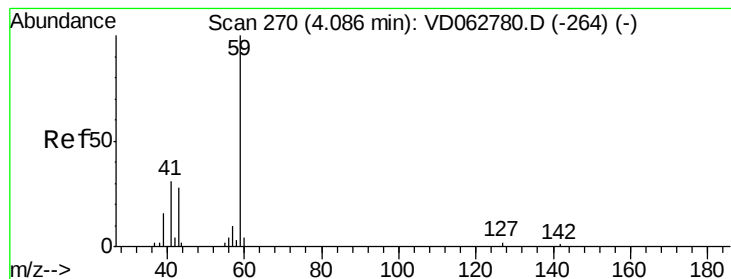


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



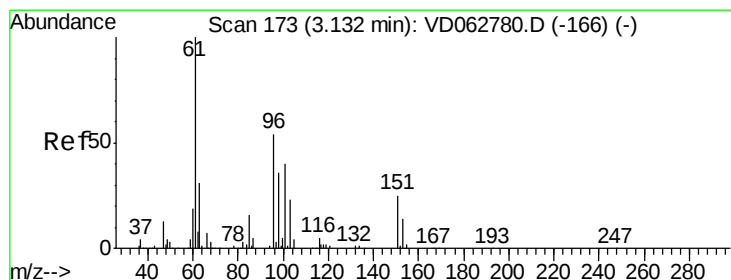
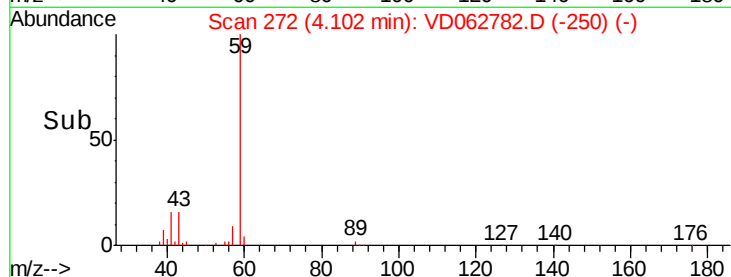
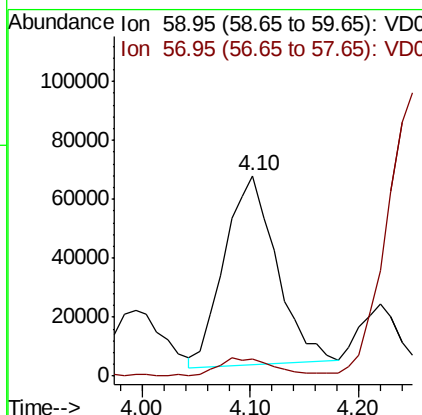
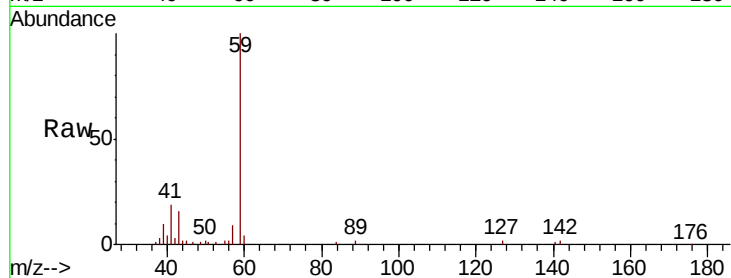


#11

Tert butyl alcohol
Concen: 432.888 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

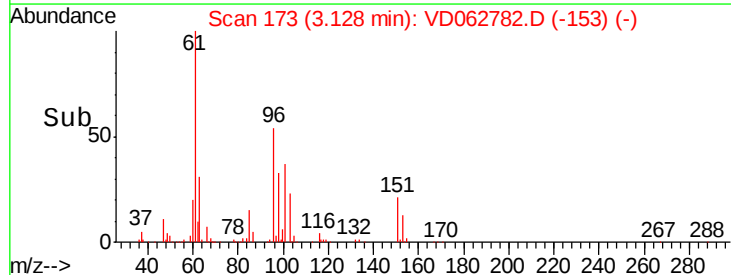
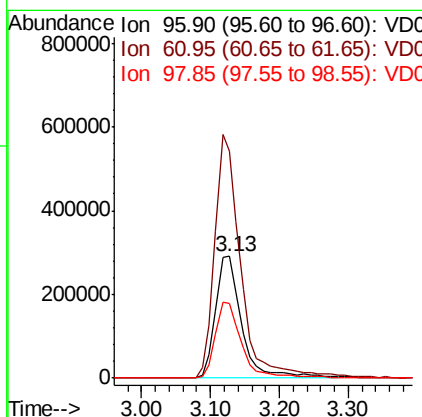
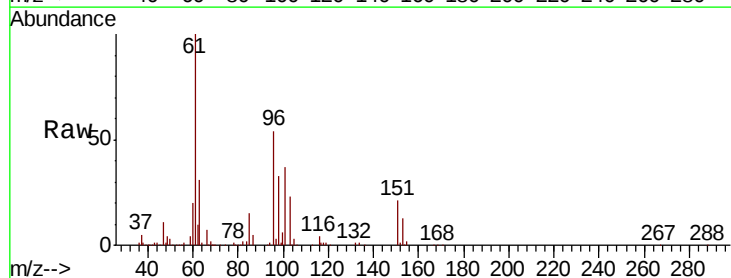
Tot Ion: 59 Resp: 215650
Ion Ratio Lower Upper
59 100
57 8.7 6.6 10.0

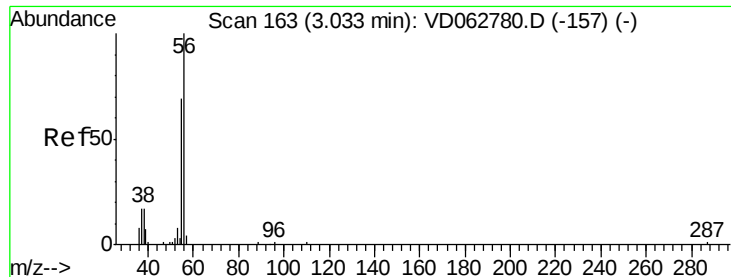


#12

1,1-Dichloroethene
Concen: 95.570 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 96 Resp: 763177
Ion Ratio Lower Upper
96 100
61 186.3 147.1 220.7
98 61.5 52.6 79.0





#13

Acrolein

Concen: 486.892 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

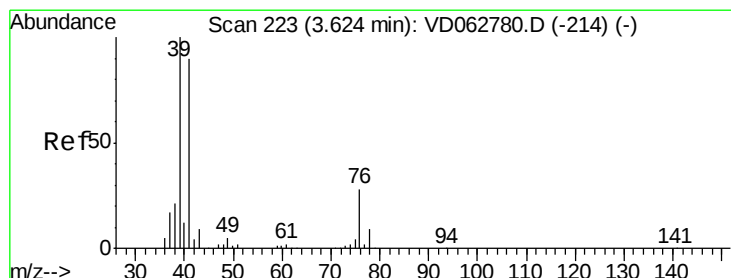
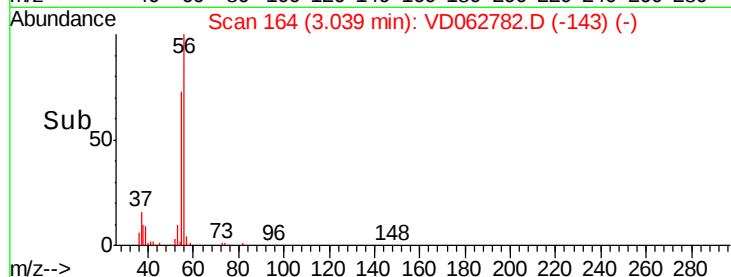
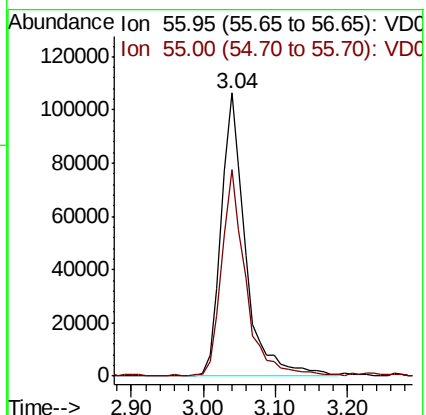
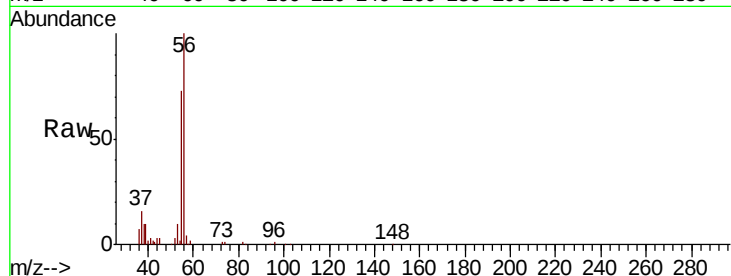
VSTDIC100

Tot Ion: 56 Resp: 247608

Ion Ratio Lower Upper

56 100

55 72.9 55.4 83.0



#14

Allyl chloride

Concen: 97.125 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

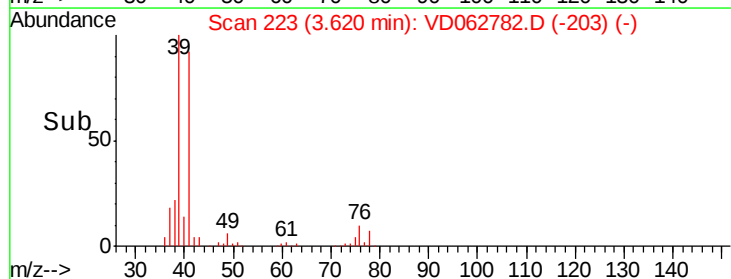
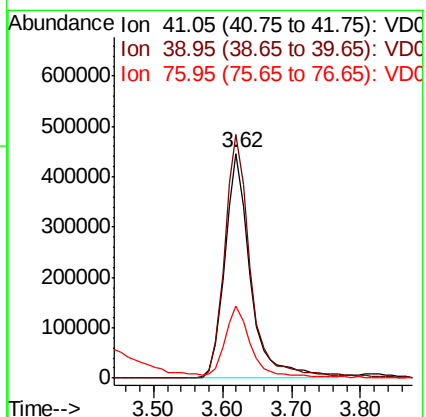
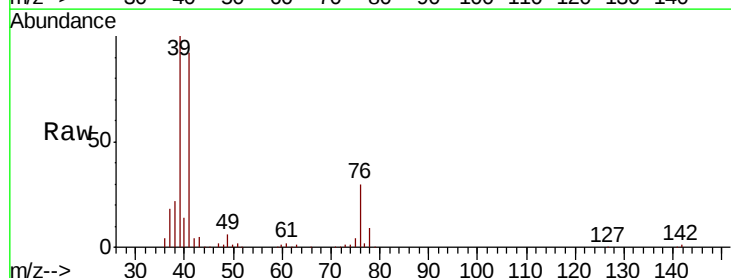
Tgt Ion: 41 Resp: 1144750

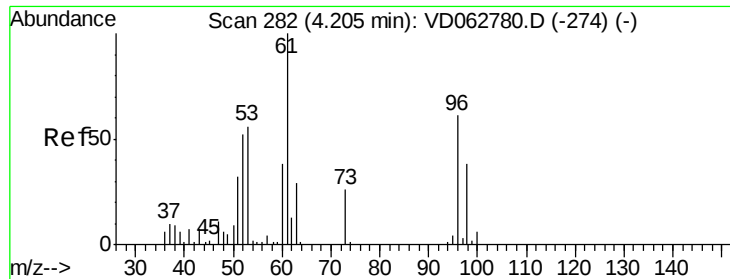
Ion Ratio Lower Upper

41 100

39 108.3 88.8 133.2

76 32.3 26.7 40.1

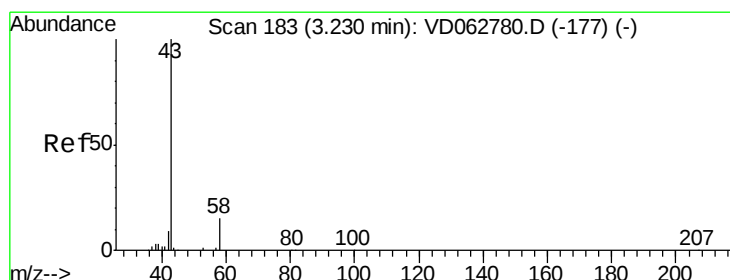
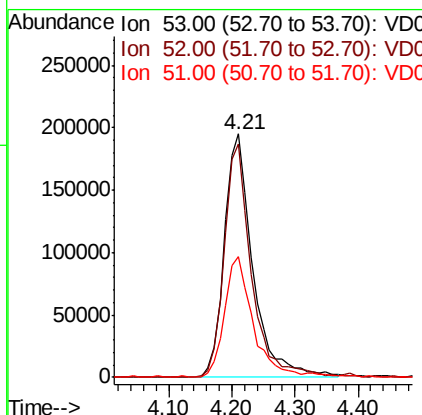
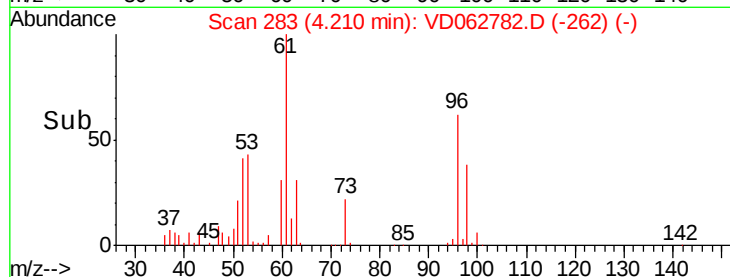
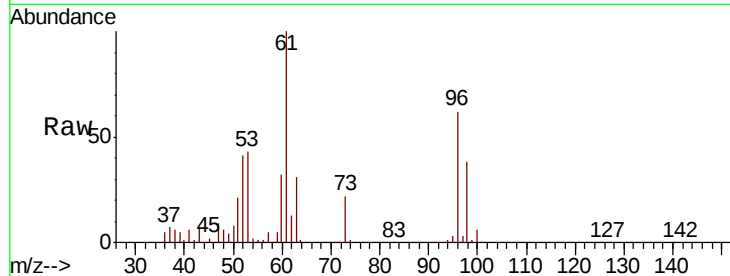




#15
 Acrylonitrile
 Concen: 521.337 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

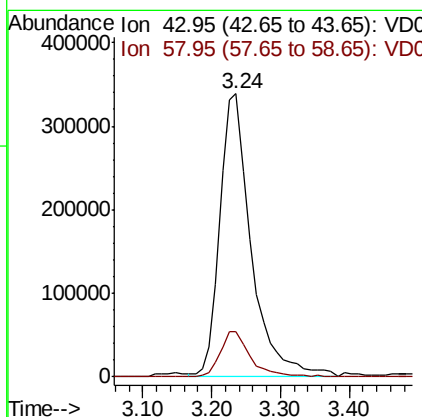
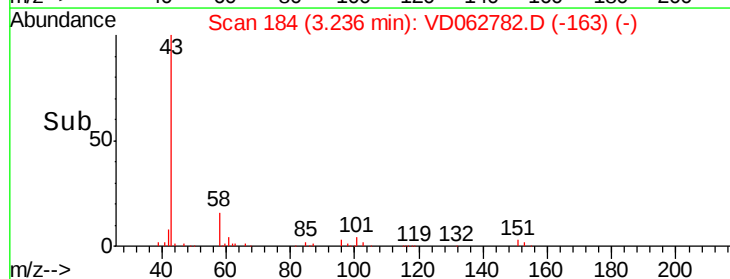
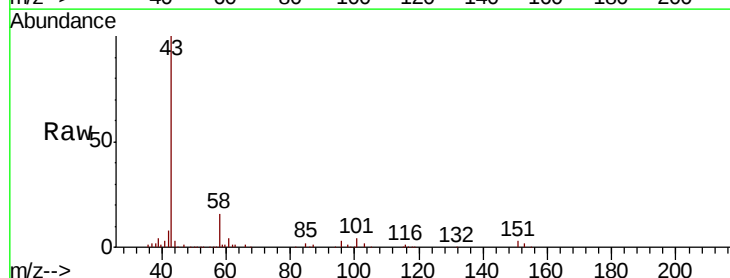
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

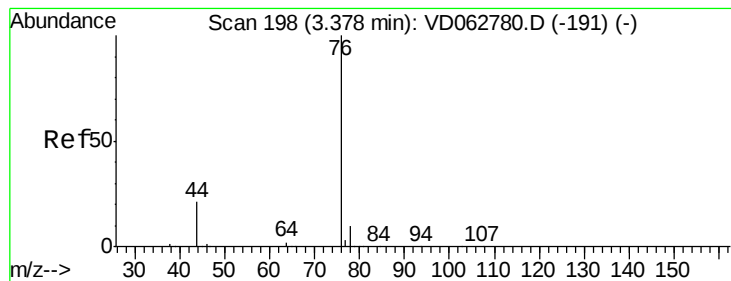
Tot Ion: 53 Resp: 610187
 Ion Ratio Lower Upper
 53 100
 52 95.9 73.3 109.9
 51 49.7 44.8 67.2



#16
 Acetone
 Concen: 438.508 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 43 Resp: 1073295
 Ion Ratio Lower Upper
 43 100
 58 15.8 11.9 17.9





#17

Carbon Disulfide

Concen: 99.421 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

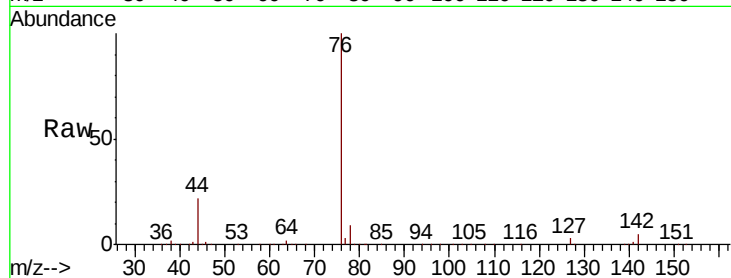
VSTDICC100

Tot Ion: 76 Resp: 2533848

Ion Ratio Lower Upper

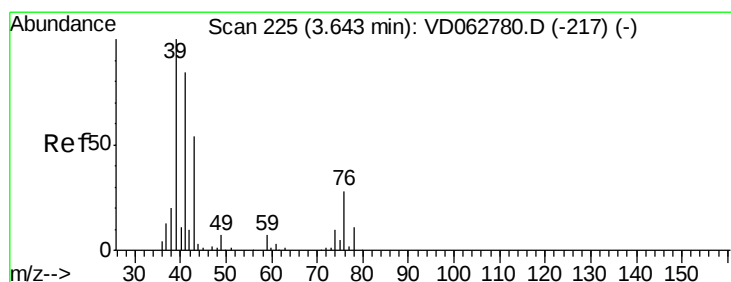
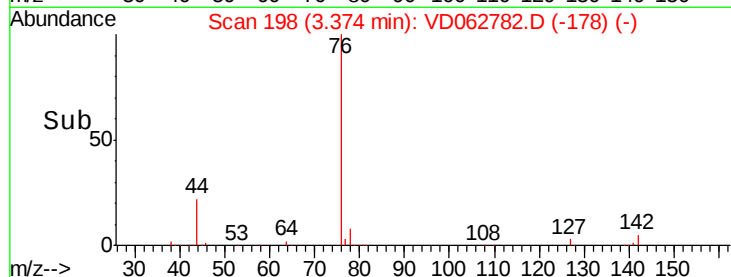
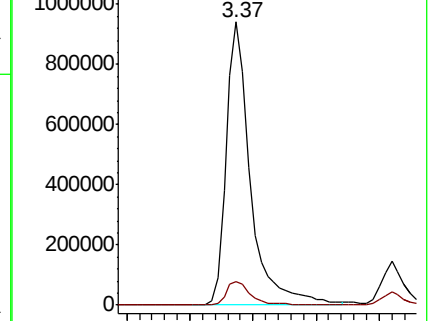
76 100

78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 97.109 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062782.D

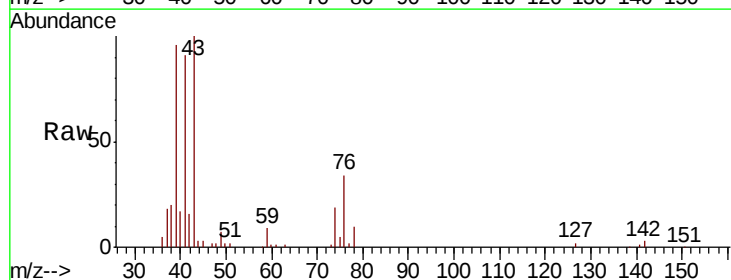
Acq: 19 Jun 2019 16:34

Tgt Ion: 43 Resp: 320621

Ion Ratio Lower Upper

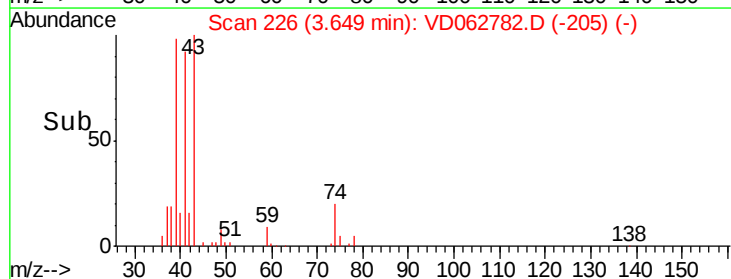
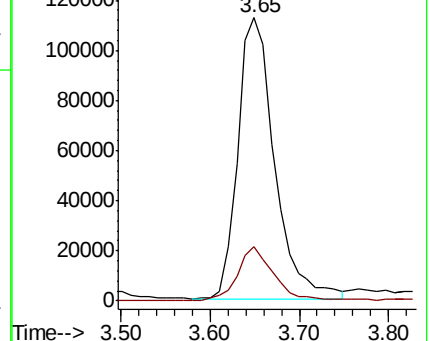
43 100

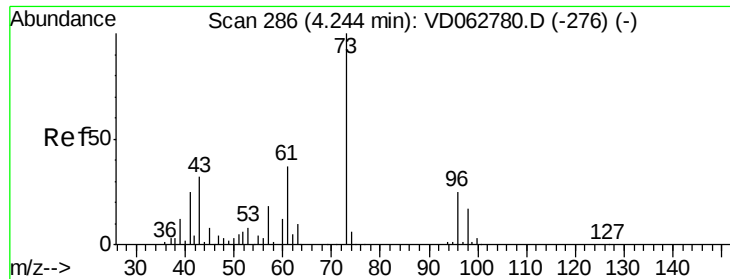
74 19.3 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

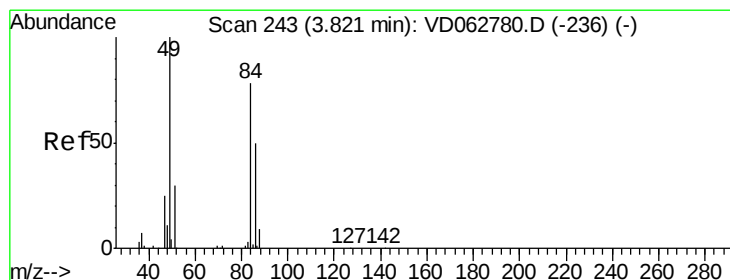
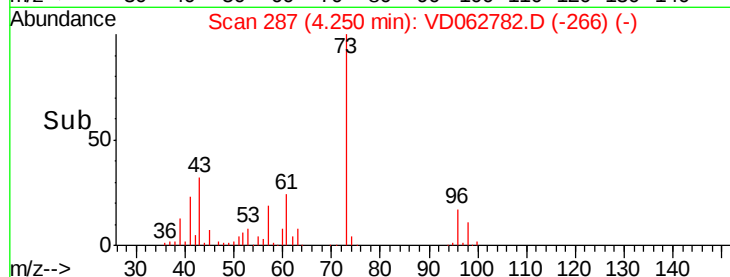
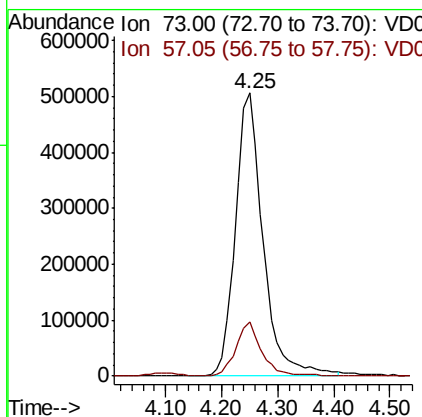
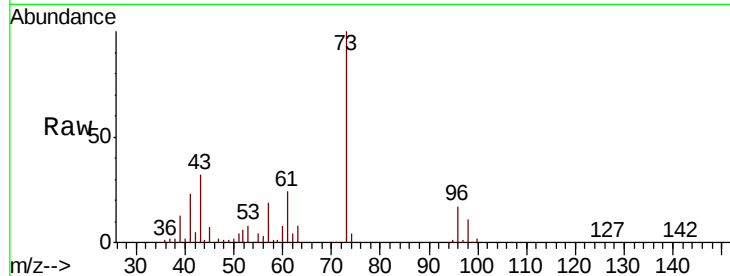




#19
Methvl tert-butvl Ether
Concen: 99.991 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

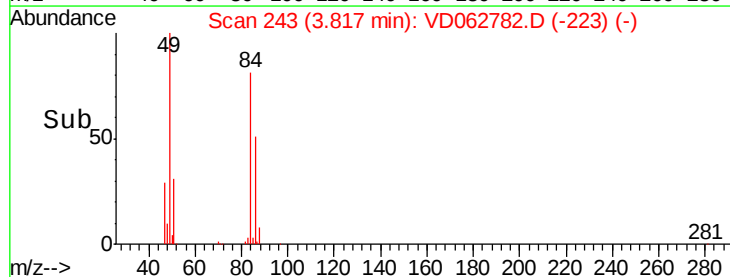
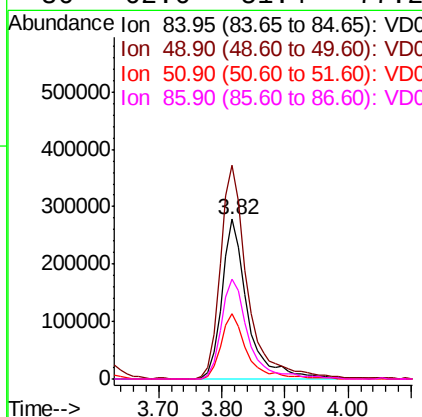
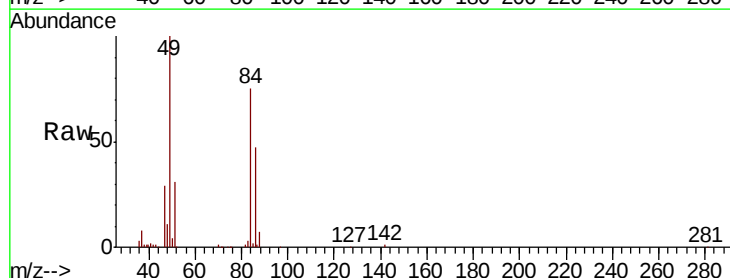
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

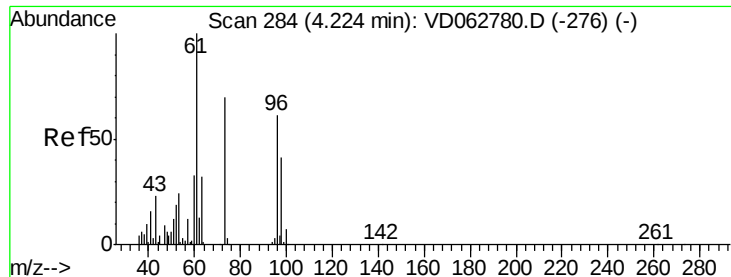
Tot Ion: 73 Resp: 1728503
Ion Ratio Lower Upper
73 100
57 19.0 14.3 21.5



#20
Methylene Chloride
Concen: 94.525 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 84 Resp: 788476
Ion Ratio Lower Upper
84 100
49 133.7 102.9 154.3
51 40.9 31.2 46.8
86 62.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 103.618 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

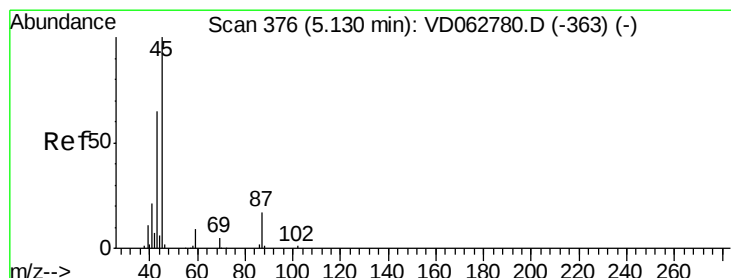
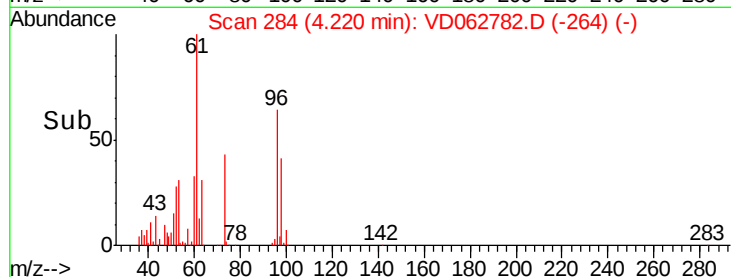
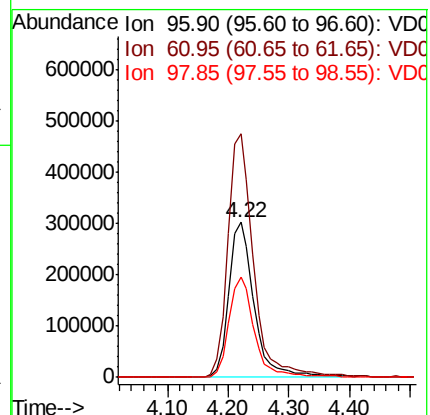
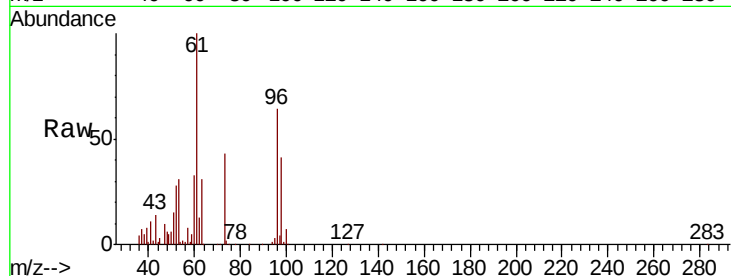
Tot Ion: 96 Resp: 881020

Ion Ratio Lower Upper

96 100

61 156.8 131.0 196.4

98 64.4 53.2 79.8



#22

Diisopropyl ether

Concen: 103.339 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Tgt Ion: 45 Resp: 2479652

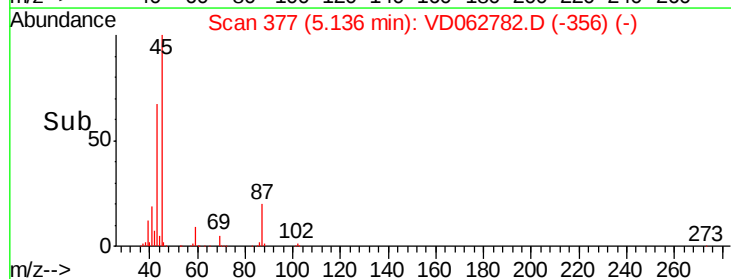
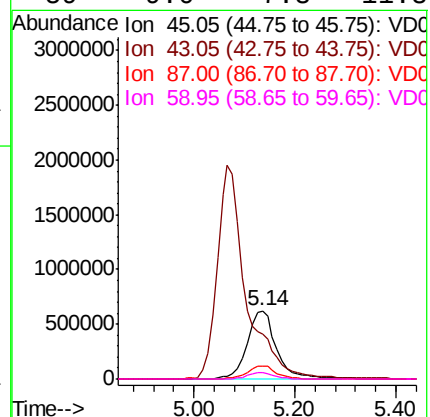
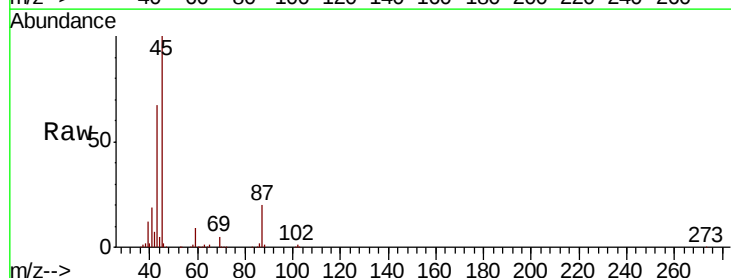
Ion Ratio Lower Upper

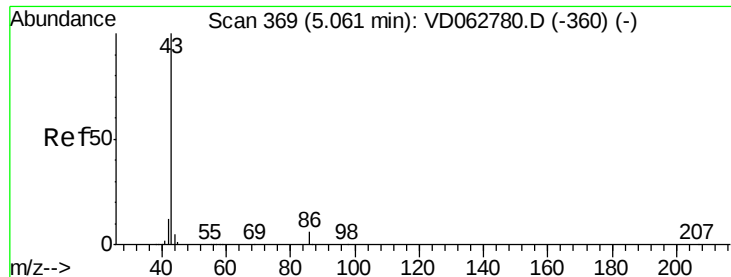
45 100

43 66.5 53.4 80.0

87 19.7 14.6 22.0

59 9.0 7.8 11.8





#23

Vinyl Acetate

Concen: 514.703 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

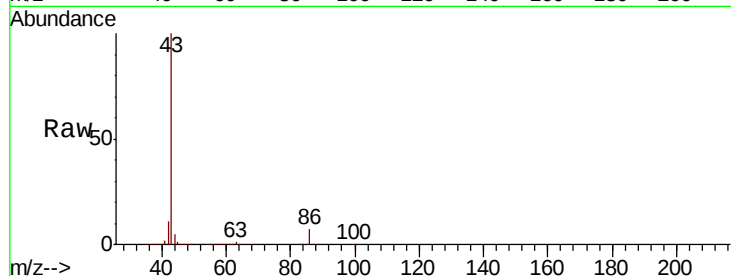
VSTDIC100

Tot Ion: 43 Resp: 7743450

Ion Ratio Lower Upper

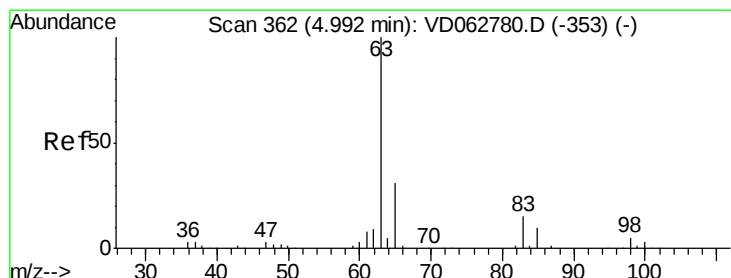
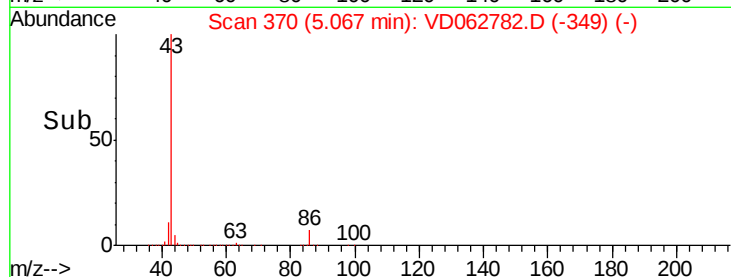
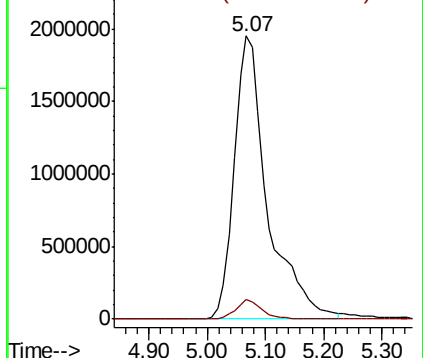
43 100

86 6.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 100.294 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

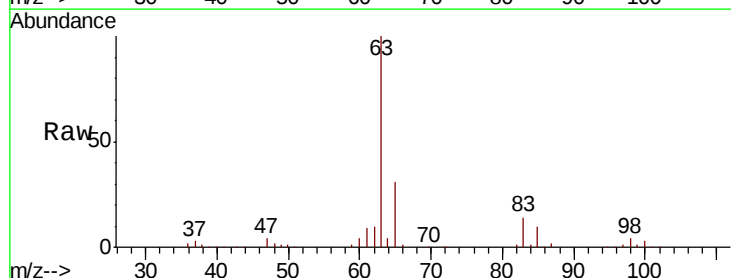
Tgt Ion: 63 Resp: 1566886

Ion Ratio Lower Upper

63 100

98 3.9 2.3 6.9

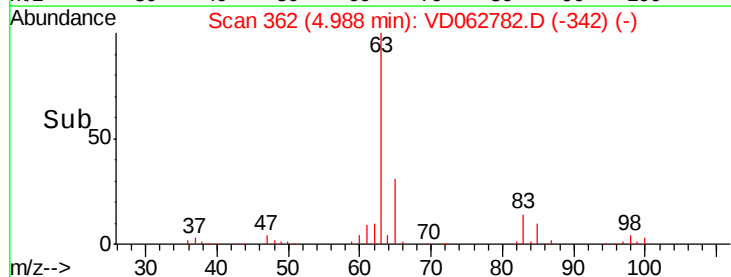
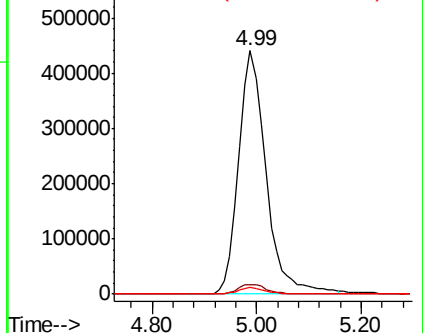
100 2.7 1.7 5.1

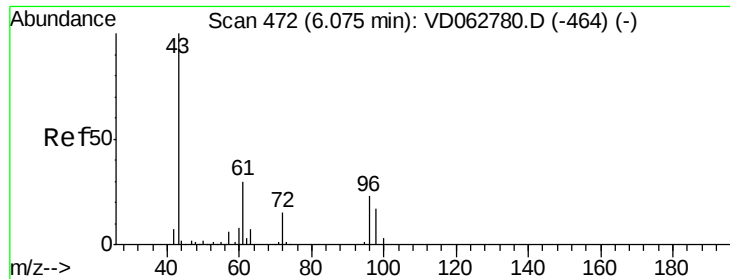


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 526.567 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

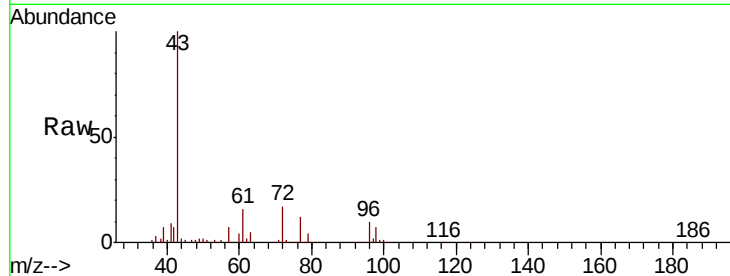
VSTDIC100

Tot Ion: 43 Resp: 1077085

Ion Ratio Lower Upper

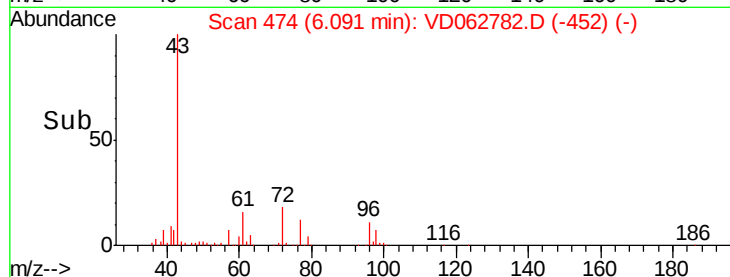
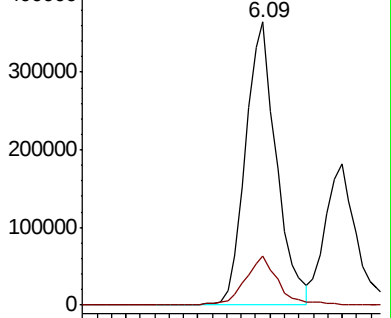
43 100

72 17.5 11.9 17.9

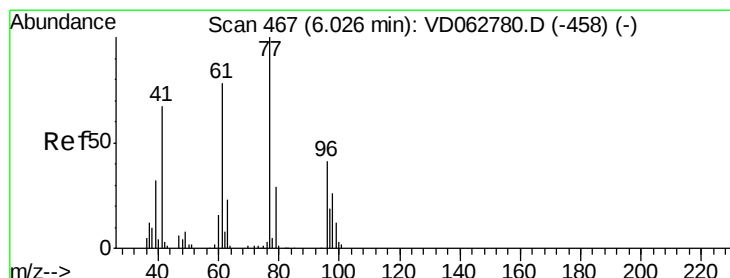


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 98.398 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062782.D

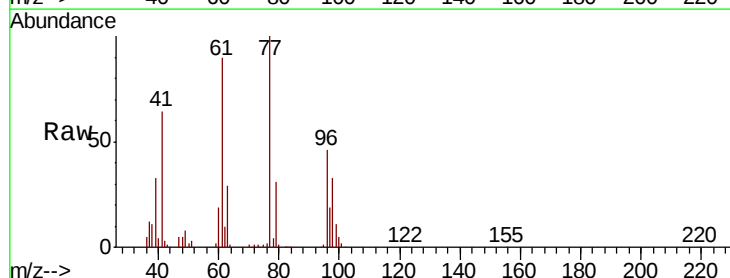
Acq: 19 Jun 2019 16:34

Tgt Ion: 77 Resp: 1629432

Ion Ratio Lower Upper

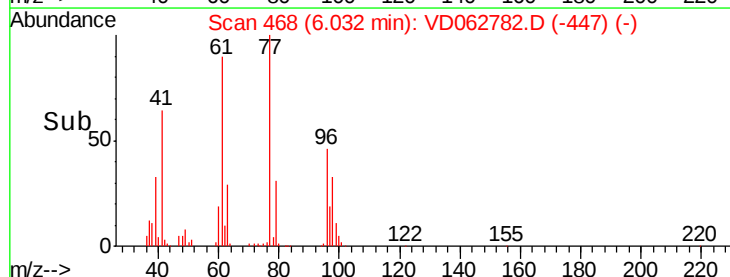
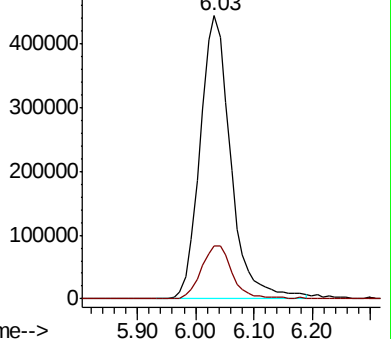
77 100

97 18.8 9.5 28.5

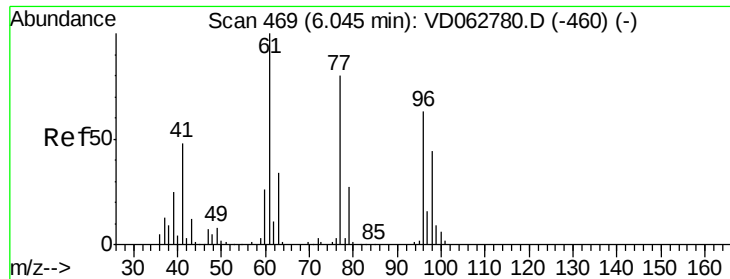


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->

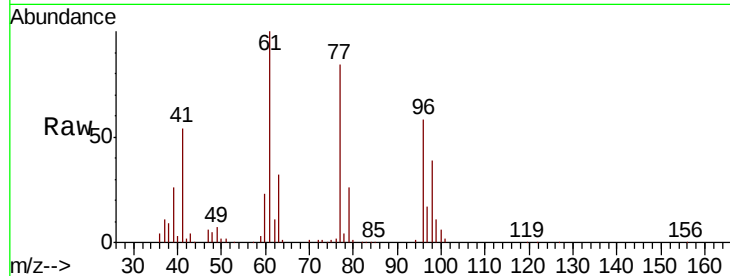


#27

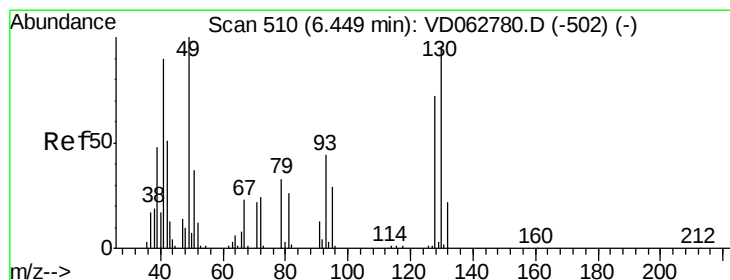
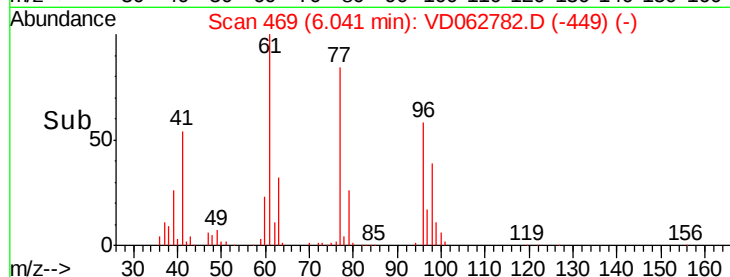
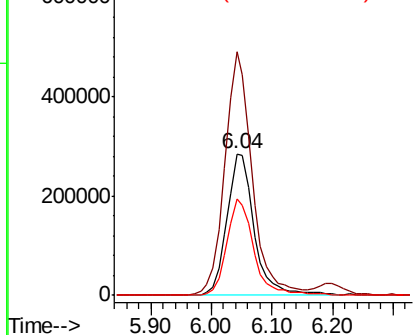
cis-1,2-Dichloroethene
Concen: 99.385 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 893635
Ion Ratio Lower Upper
96 100
61 171.8 0.0 316.0
98 67.8 0.0 138.4



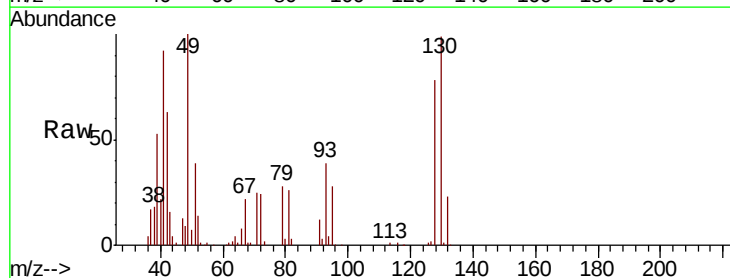
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



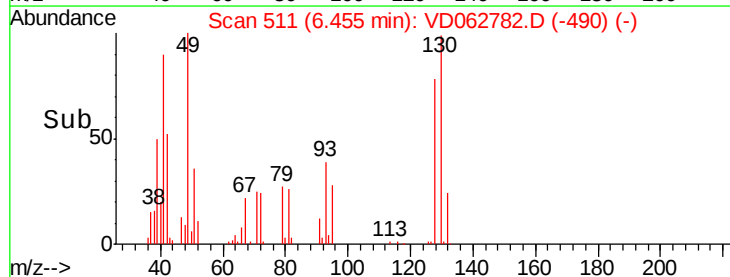
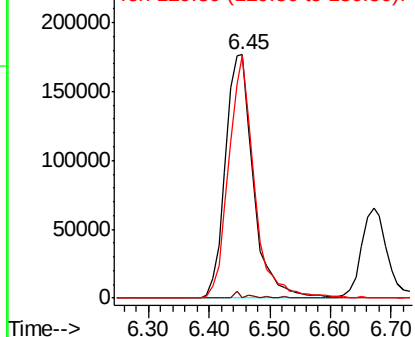
#28

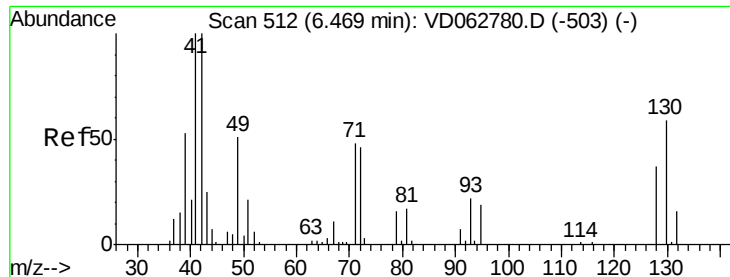
Bromochloromethane
Concen: 103.235 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 49 Resp: 568048
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 99.3 76.6 114.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 518.939 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

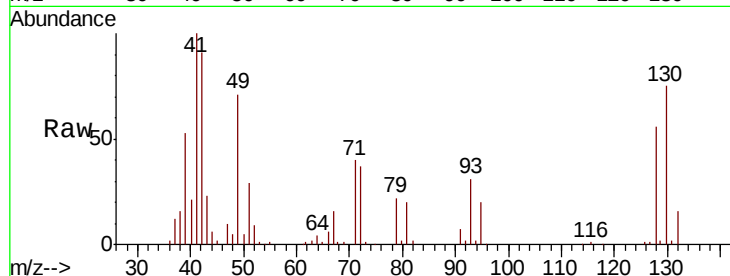
Tot Ion: 42 Resp: 502241

Ion Ratio Lower Upper

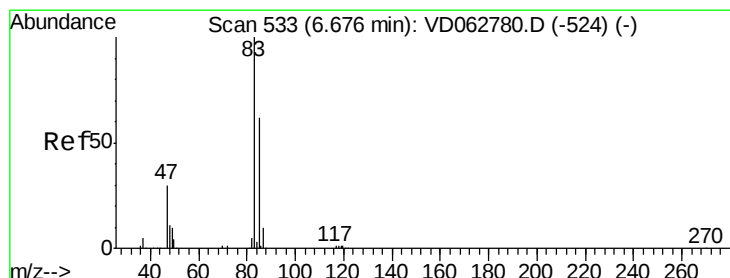
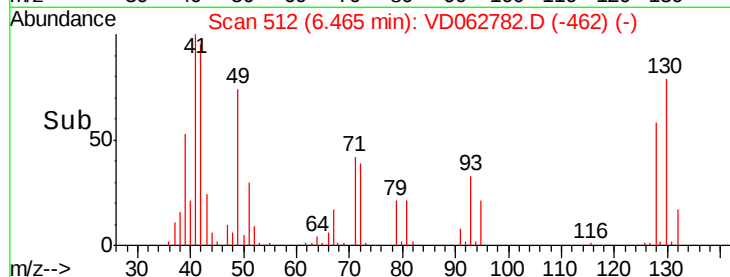
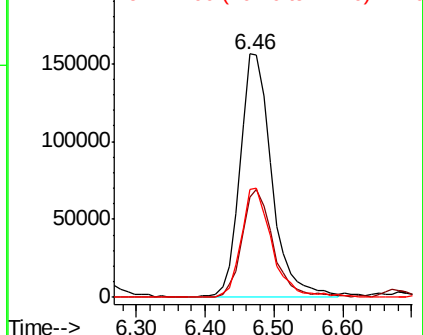
42 100

72 43.7 35.0 52.6

71 43.3 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 100.655 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062782.D

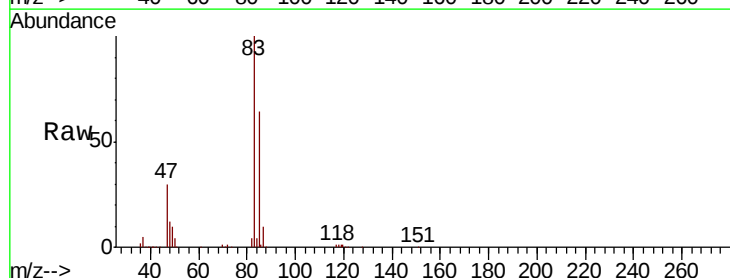
Acq: 19 Jun 2019 16:34

Tgt Ion: 83 Resp: 1912464

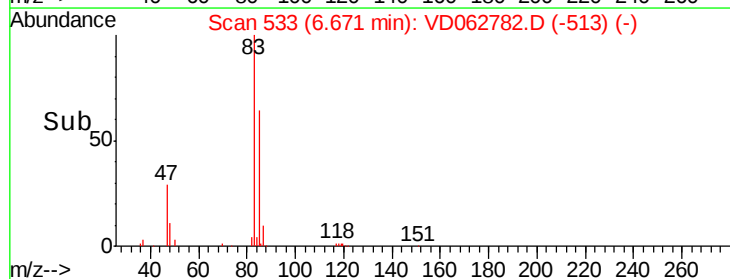
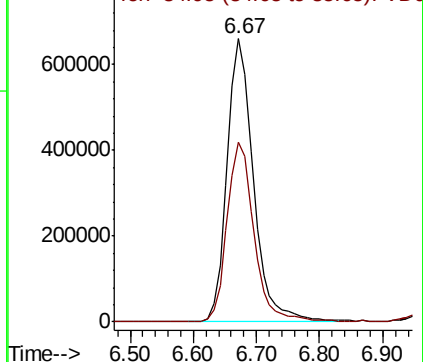
Ion Ratio Lower Upper

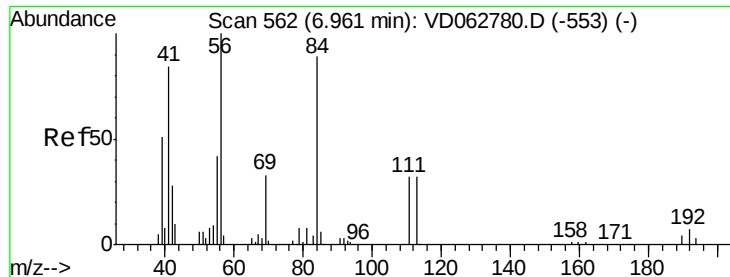
83 100

85 63.6 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

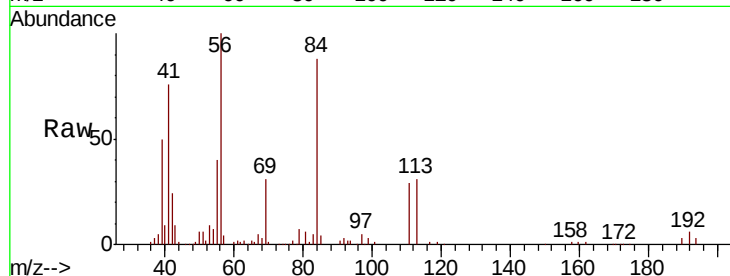




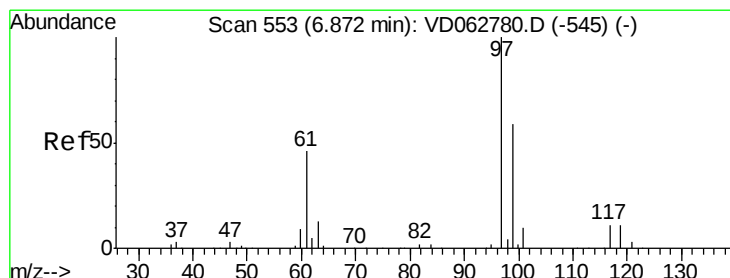
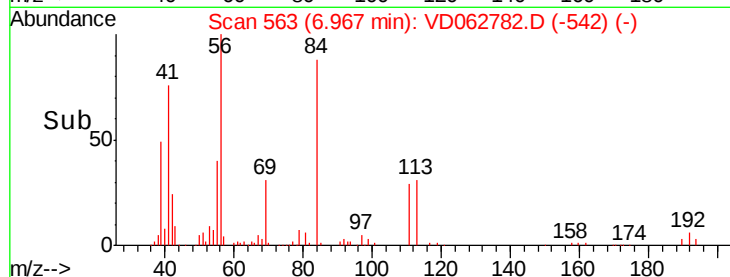
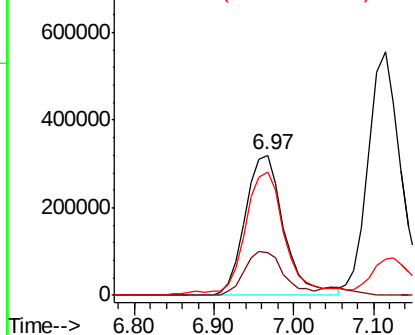
#31
Cyclohexane
Concen: 104.427 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1072507
Ion Ratio Lower Upper
56 100
69 30.6 26.6 39.8
84 88.4 75.5 113.3

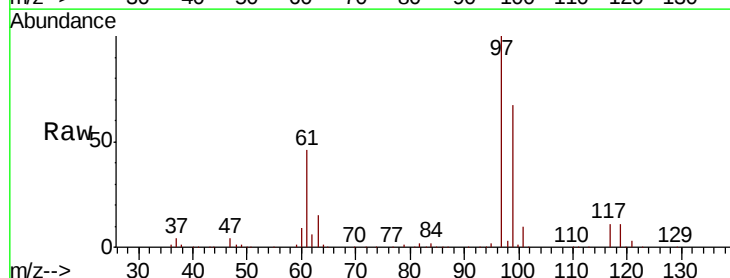


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

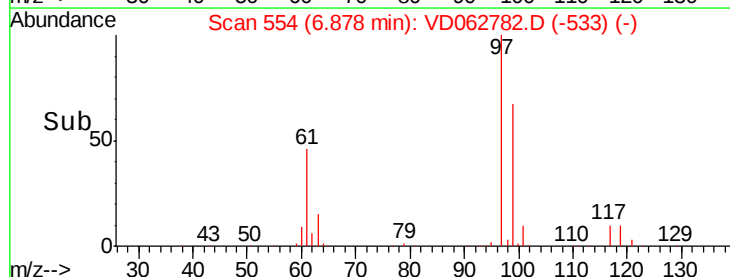
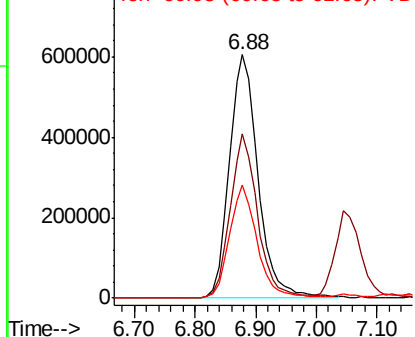


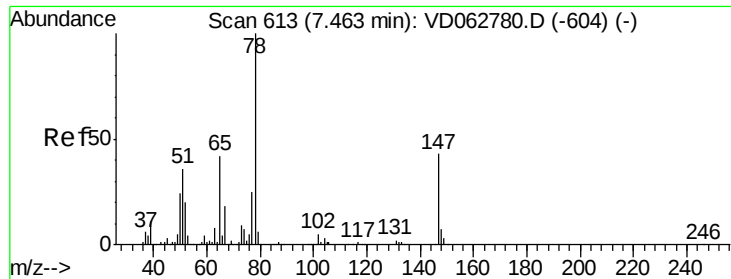
#32
1,1,1-Trichloroethane
Concen: 100.442 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 97 Resp: 1987714
Ion Ratio Lower Upper
97 100
99 67.2 47.4 71.2
61 46.4 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

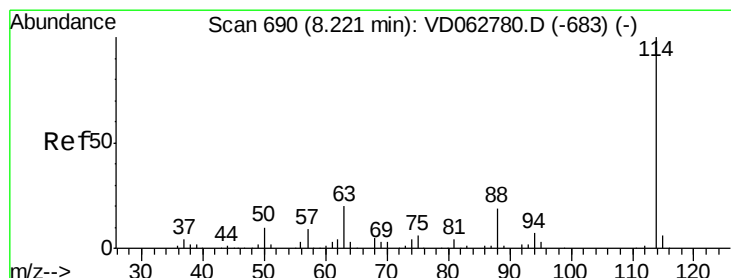
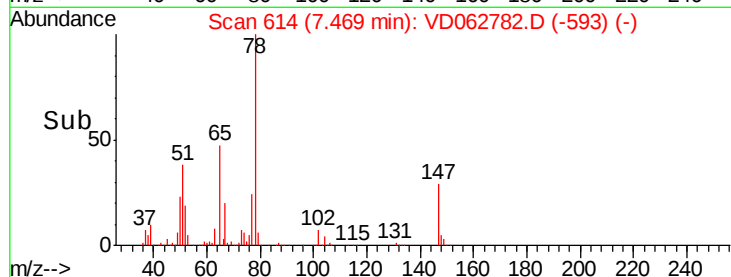
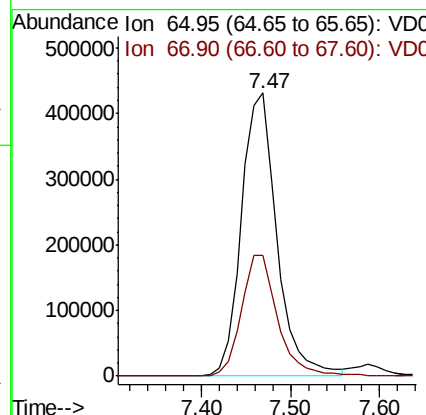
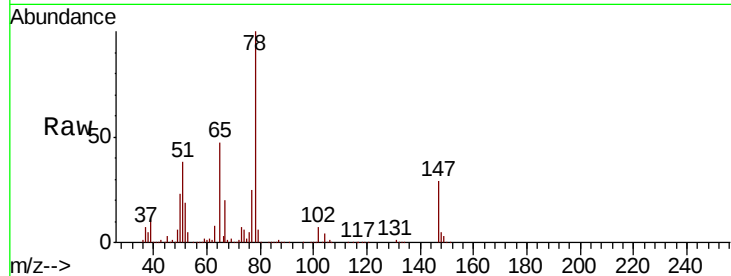




#33
 1,2-Dichloroethane-d4
 Concen: 109.015 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

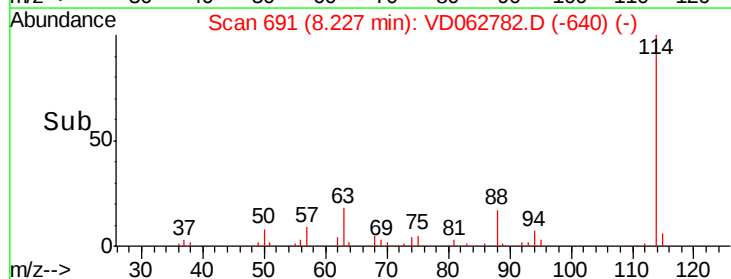
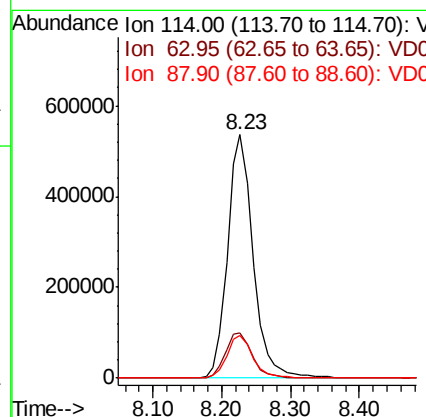
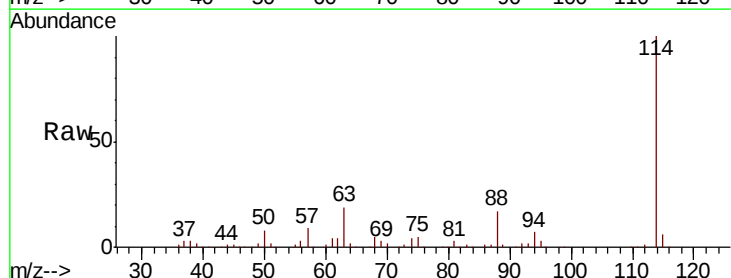
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

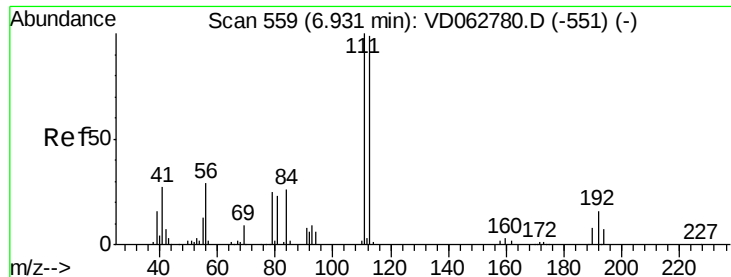
Tot Ion: 65 Resp: 1192274
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 114 Resp: 1371979
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.0
 88 17.5 0.0 38.8

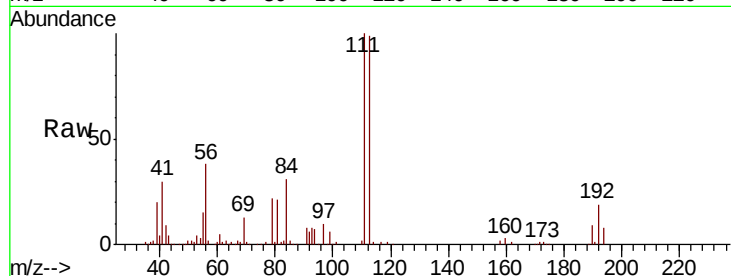




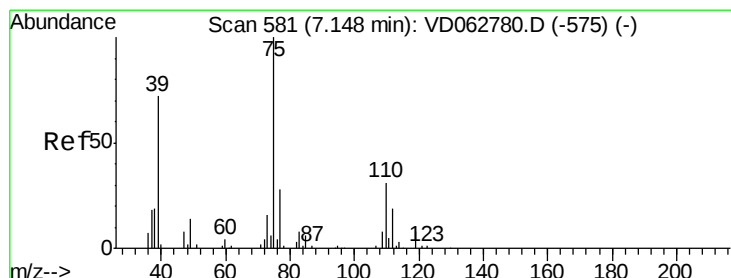
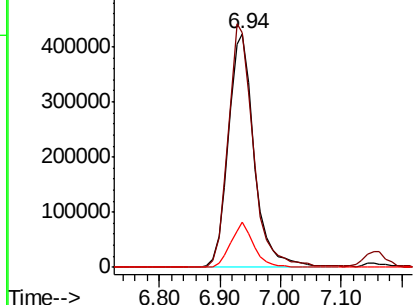
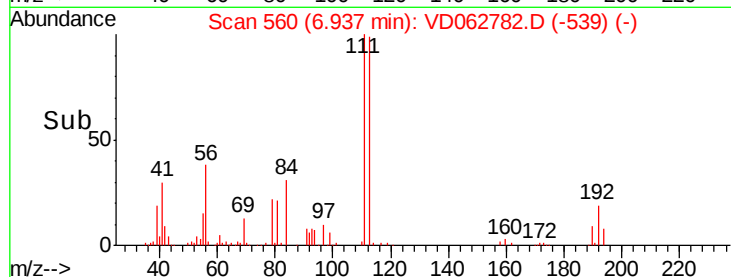
#35
 Dibromofluoromethane
 Concen: 108.543 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:113 Resp: 1255672
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.2 121.8
 192 19.4 12.9 19.3#

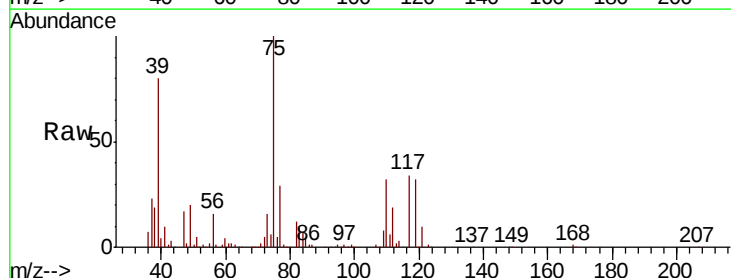


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

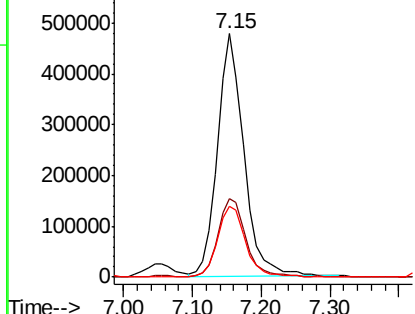
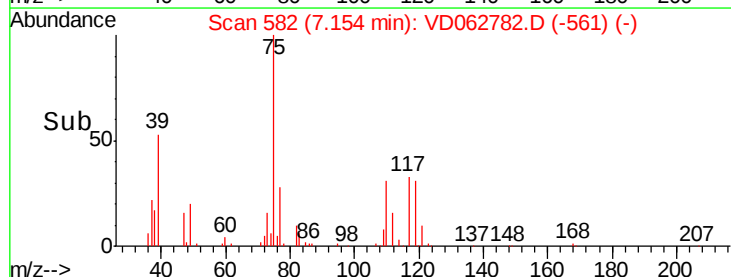


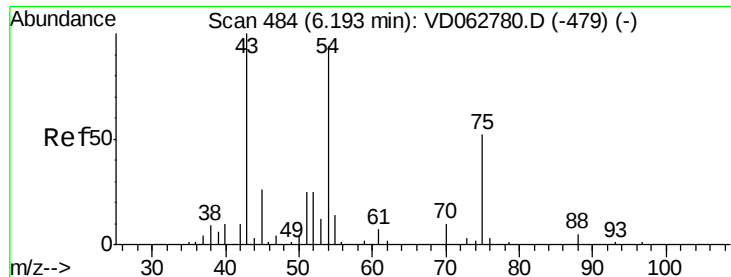
#36
 1,1-Dichloropropene
 Concen: 98.129 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 75 Resp: 1274469
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.0 45.1
 77 29.2 22.2 33.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

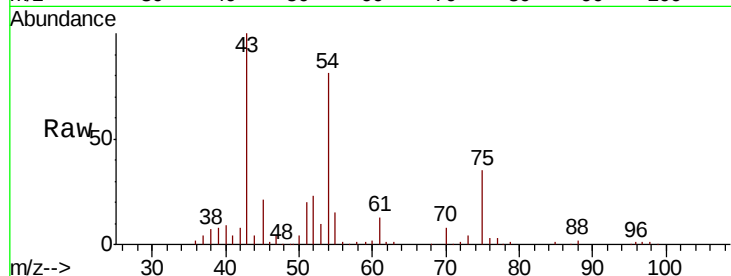




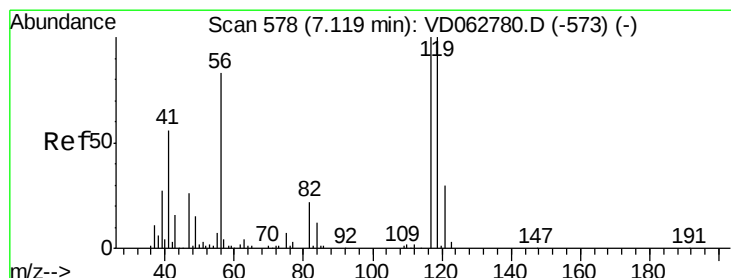
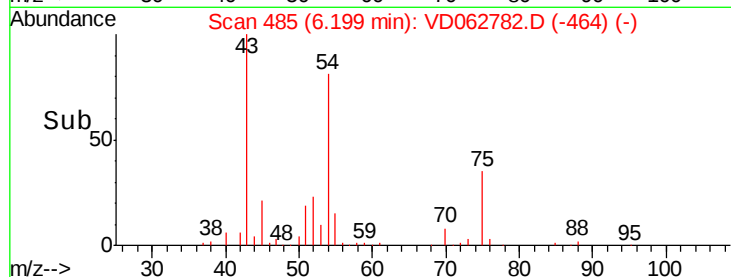
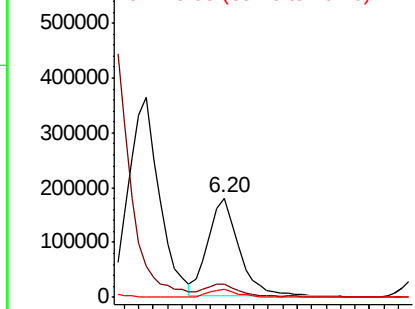
#37
Ethyl Acetate
Concen: 90.148 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 536179
Ion Ratio Lower Upper
43 100
61 13.0 11.6 17.4
70 8.3 6.4 9.6

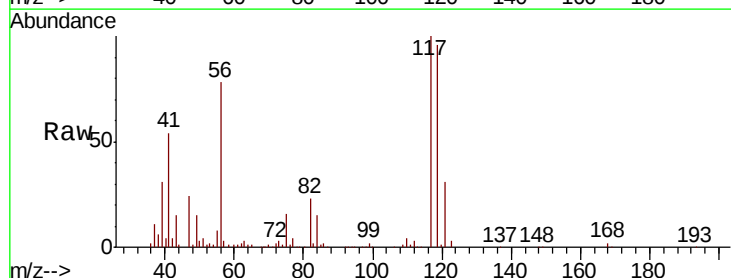


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

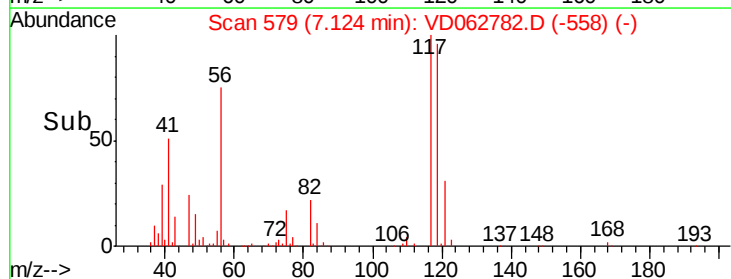
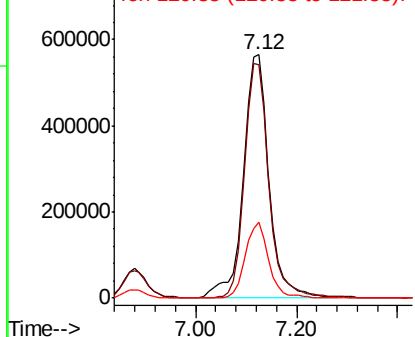


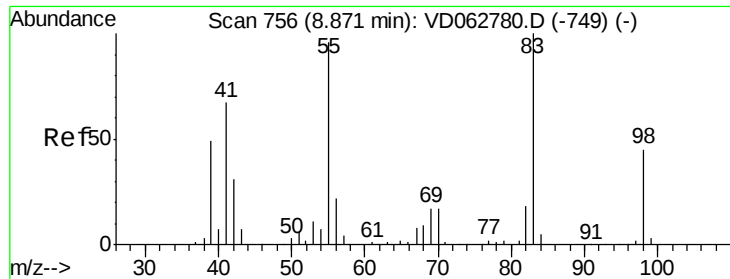
#38
Carbon Tetrachloride
Concen: 100.068 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 117 Resp: 1990464
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.2
121 31.0 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

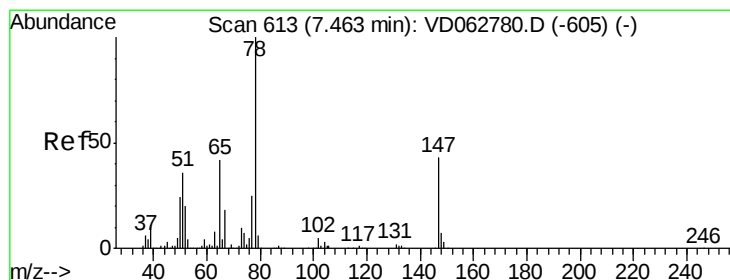
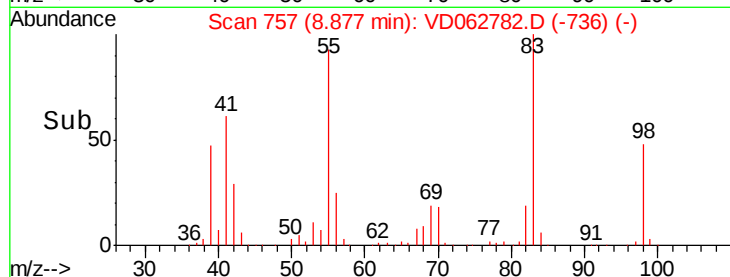
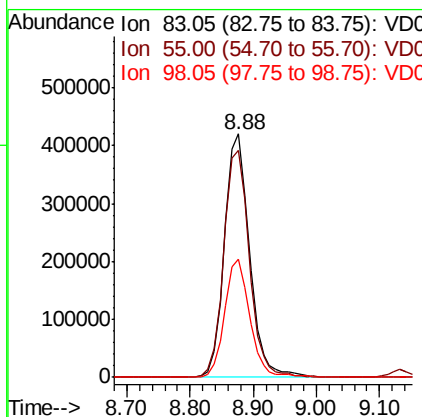
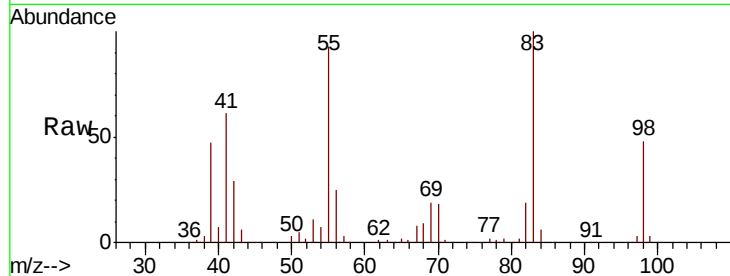




#39
Methvlcvclohexane
Concen: 101.504 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

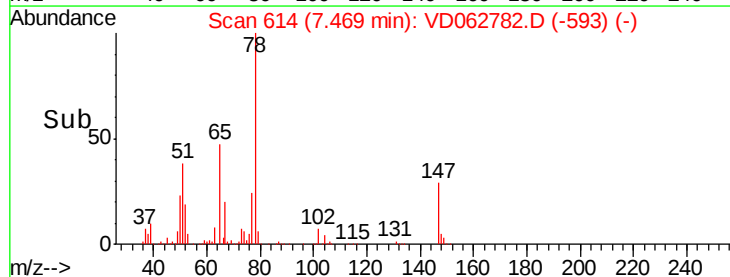
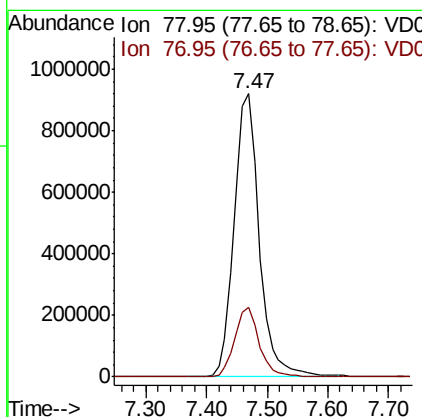
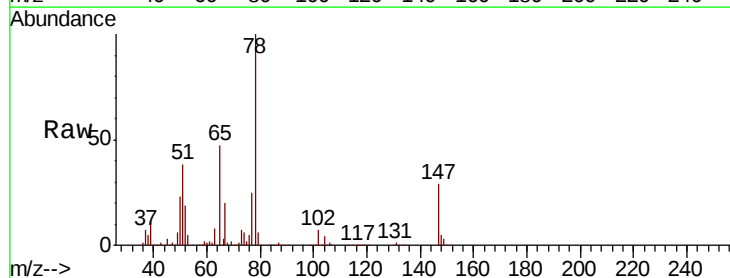
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

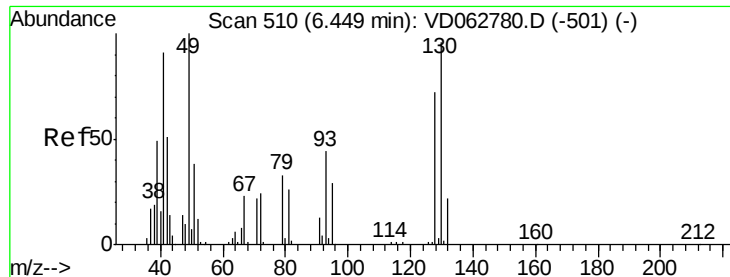
Tot Ion: 83 Resp: 1160421
Ion Ratio Lower Upper
83 100
55 93.3 76.6 115.0
98 48.4 35.7 53.5



#40
Benzene
Concen: 102.128 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 78 Resp: 2662518
Ion Ratio Lower Upper
78 100
77 24.5 20.2 30.2

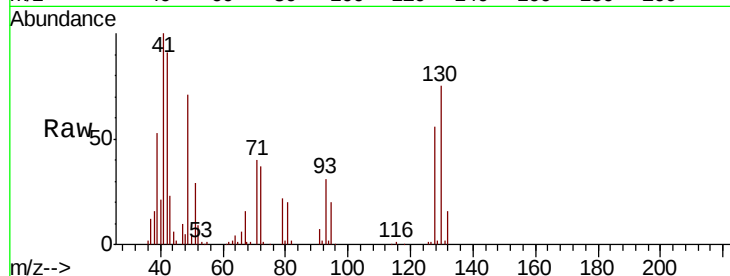




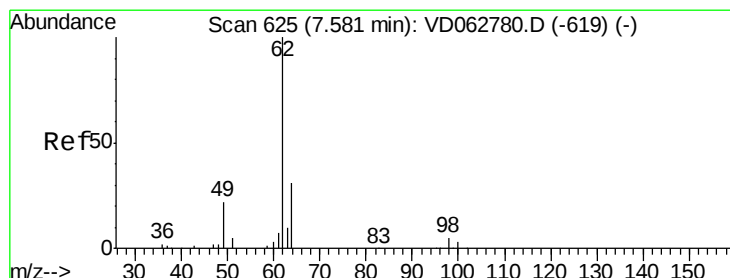
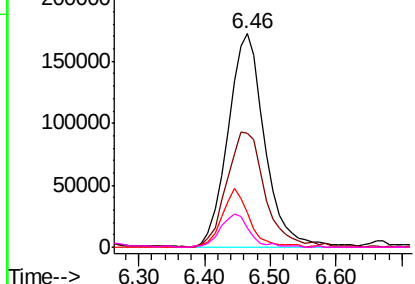
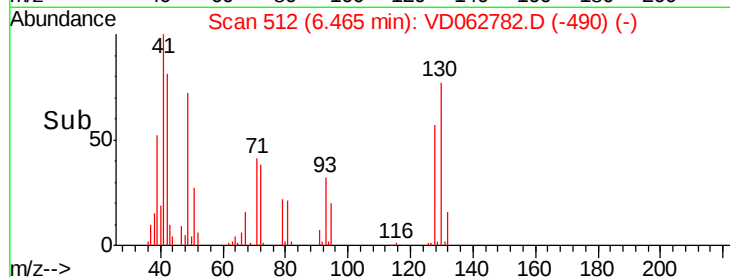
#41
Methacrylonitrile
Concen: 98.017 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 671338
Ion Ratio Lower Upper
41 100
39 53.4 43.2 64.8
67 15.9 19.9 29.9#
52 8.7 10.2 15.4#

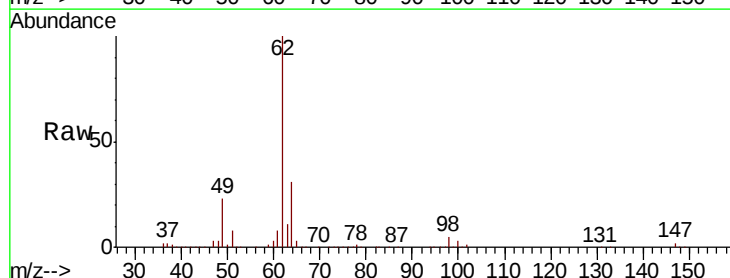


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

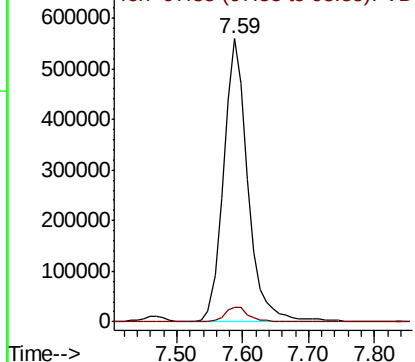
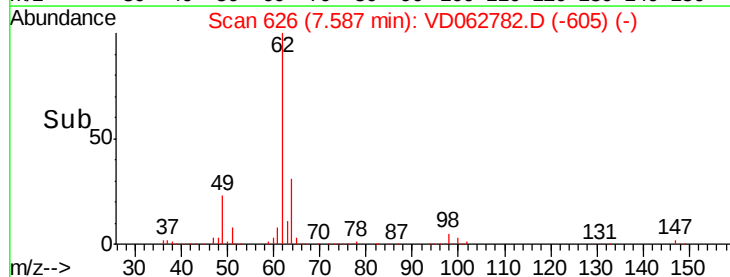


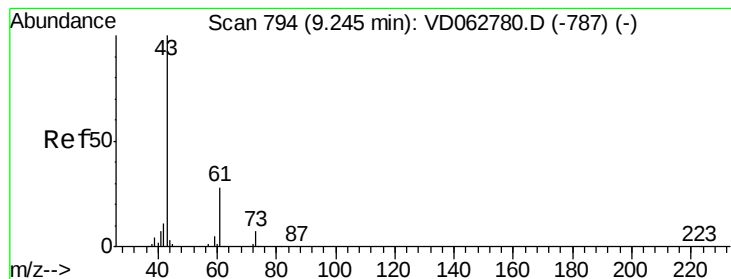
#42
1,2-Dichloroethane
Concen: 101.033 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 62 Resp: 1436893
Ion Ratio Lower Upper
62 100
98 5.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



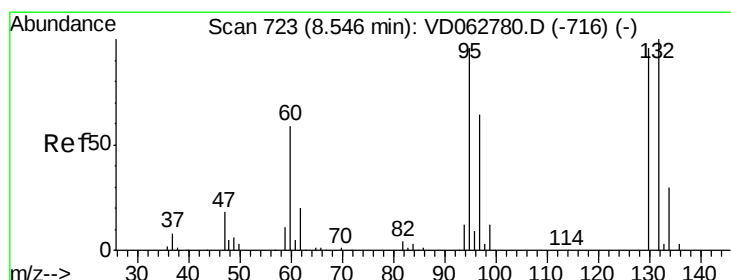
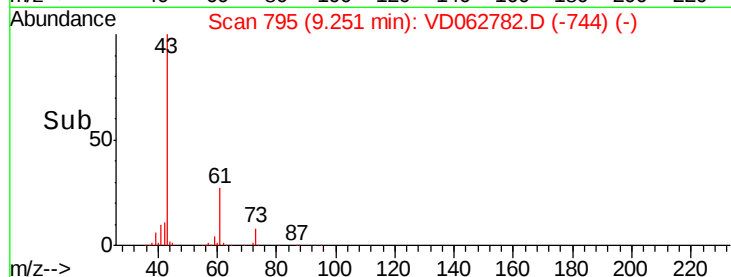
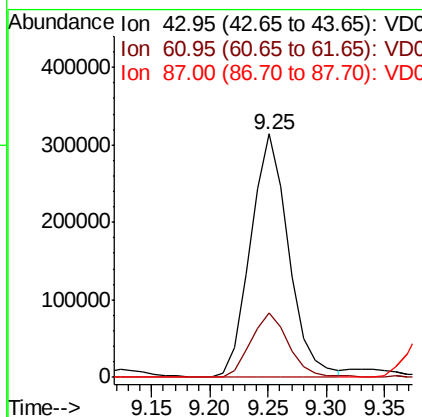
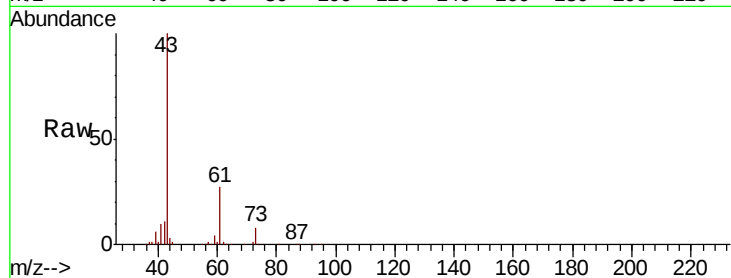


#43

Isopropyl Acetate
 Concen: 104.038 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

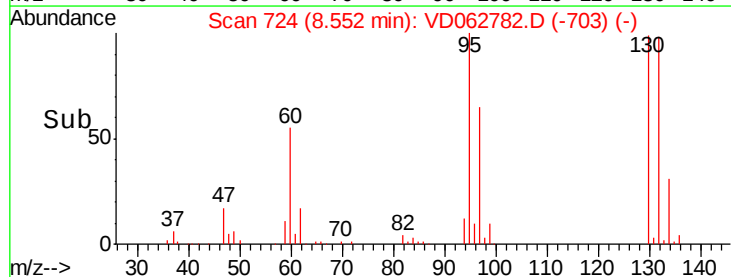
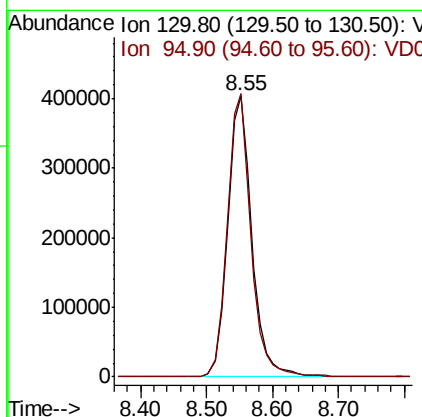
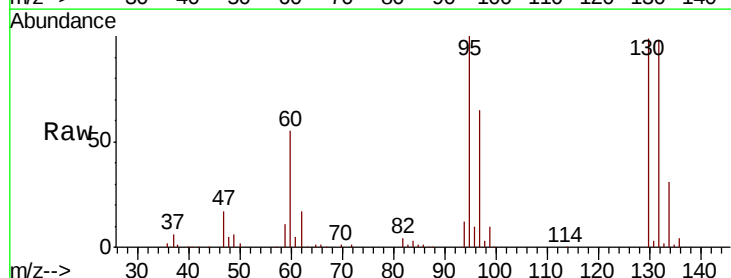
Tot Ion: 43 Resp: 708396
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.4 33.6
 87 0.3 0.3 0.5

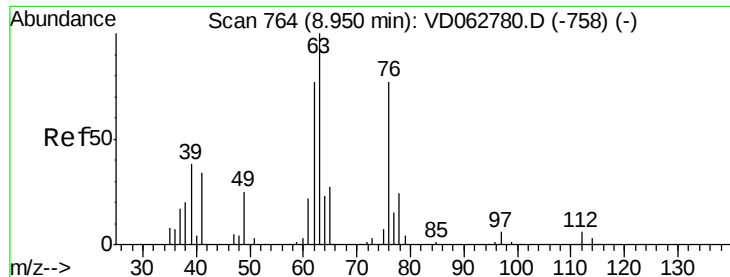


#44

Trichloroethene
 Concen: 101.511 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:130 Resp: 1037511
 Ion Ratio Lower Upper
 130 100
 95 100.6 0.0 201.6





#45

1,2-Dichloropropane

Concen: 103.943 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

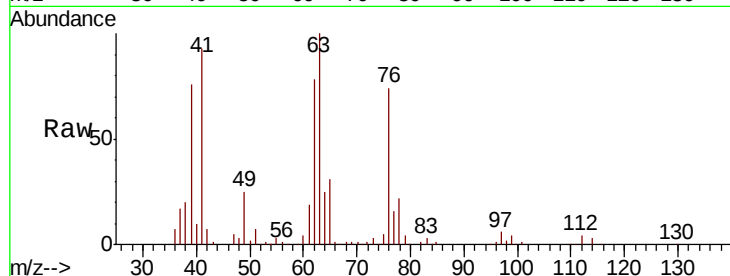
VSTDIC100

Tot Ion: 63 Resp: 673814

Ion Ratio Lower Upper

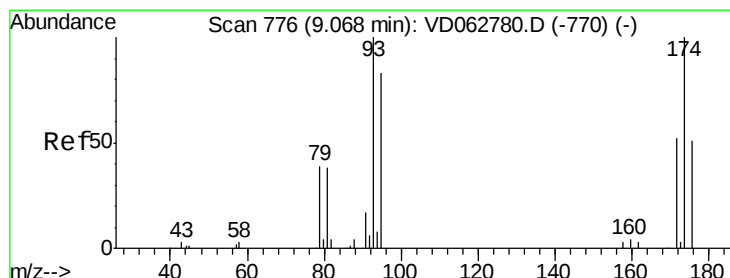
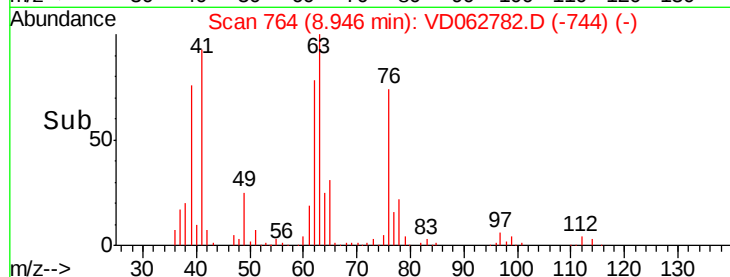
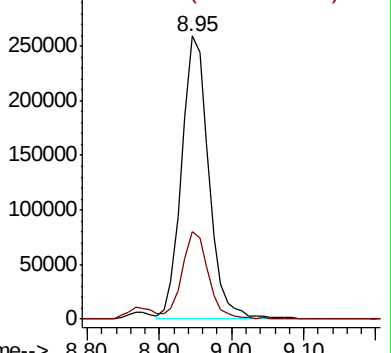
63 100

65 30.8 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 98.462 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

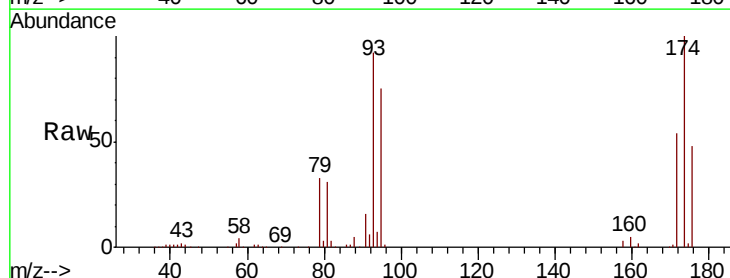
Tgt Ion: 93 Resp: 548296

Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

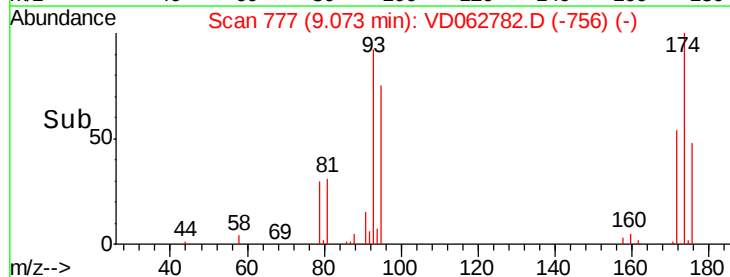
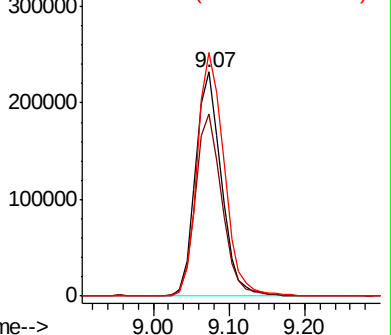
174 108.6 79.7 119.5

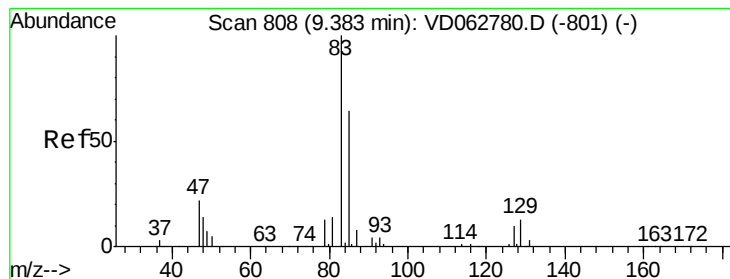


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 97.771 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

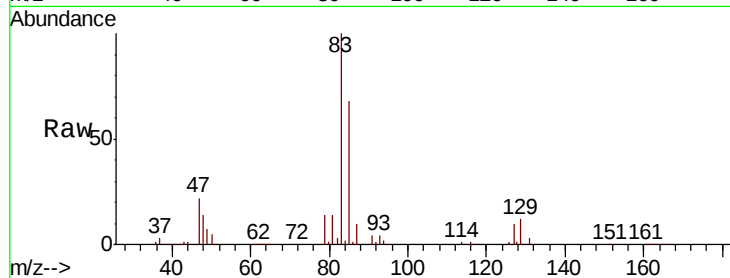
Tot Ion: 83 Resp: 1413982

Ion Ratio Lower Upper

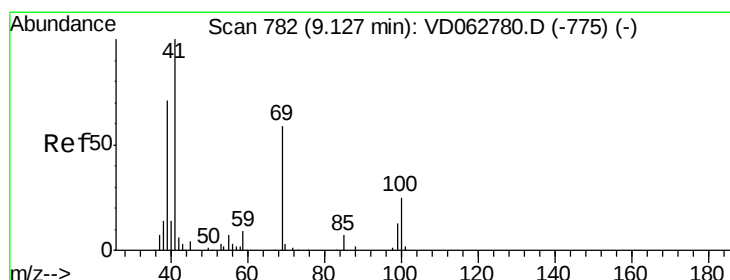
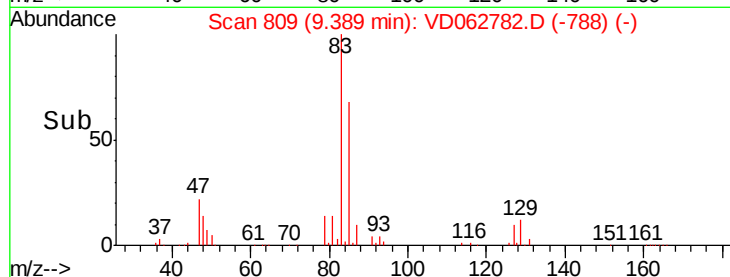
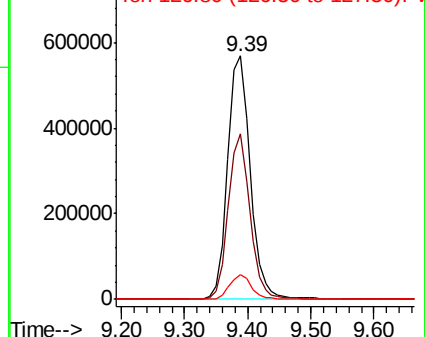
83 100

85 67.8 51.6 77.4

127 10.2 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 98.698 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

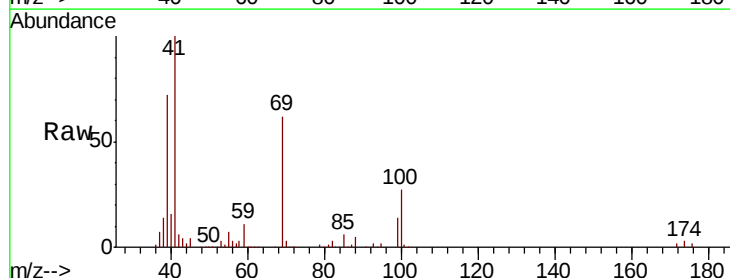
Tgt Ion: 41 Resp: 477571

Ion Ratio Lower Upper

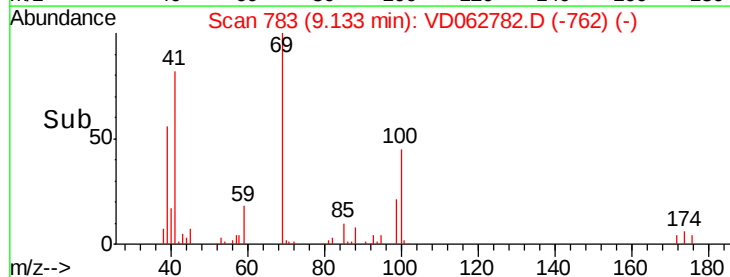
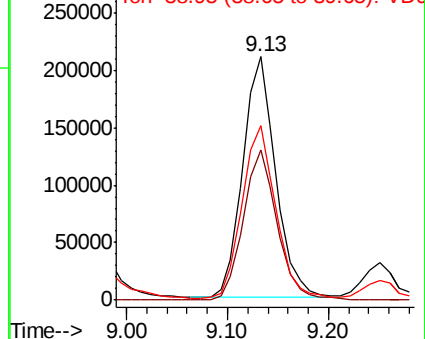
41 100

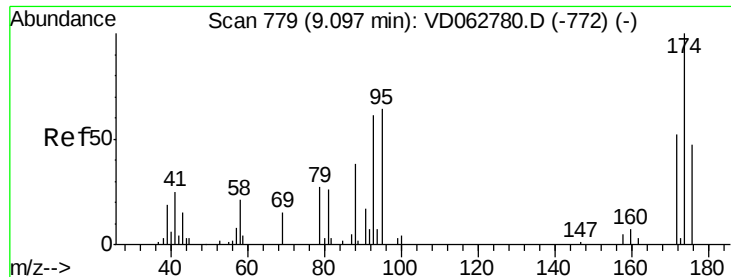
69 61.6 47.2 70.8

39 71.6 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

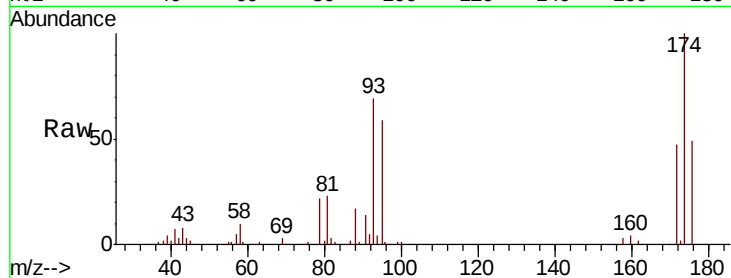




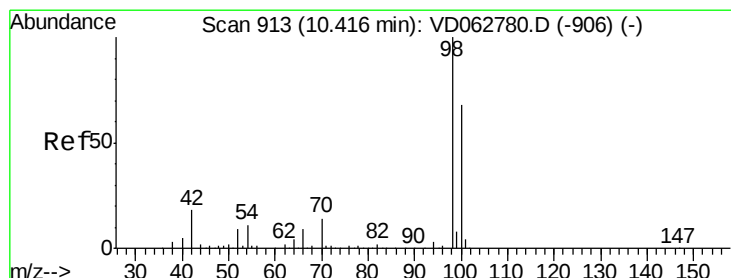
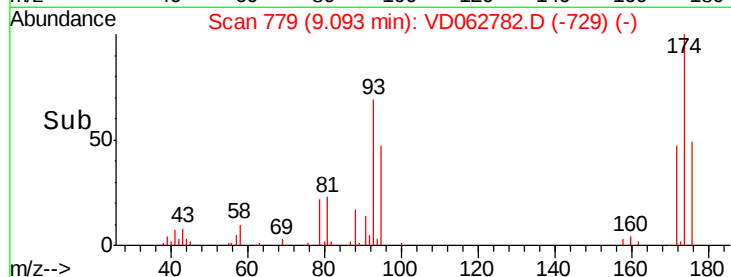
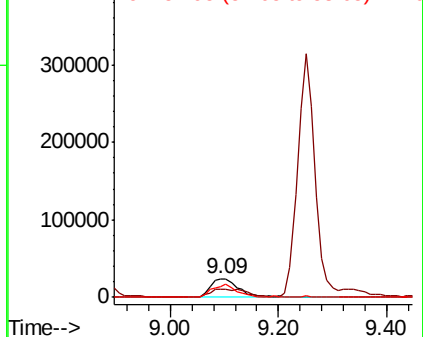
#49
1,4-Dioxane
Concen: 2234.457 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 89951
Ion Ratio Lower Upper
88 100
43 44.7 32.1 48.1
58 56.9 44.1 66.1

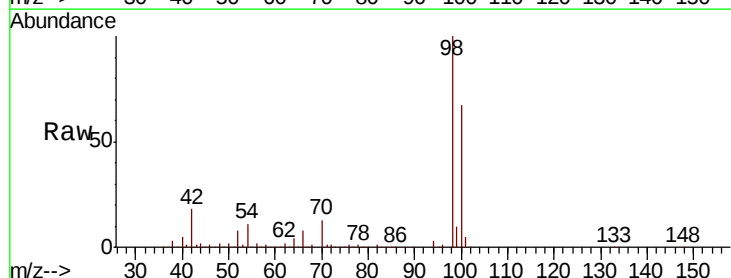


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

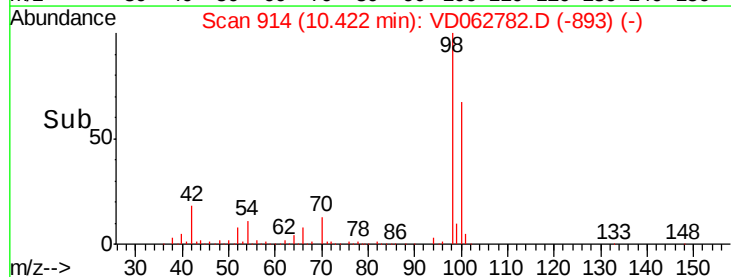
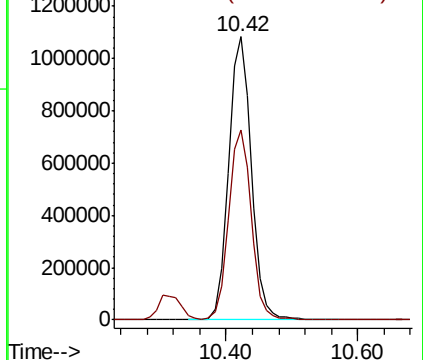


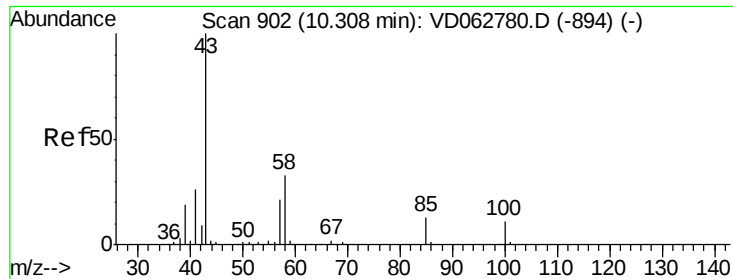
#50
Toluene-d8
Concen: 104.244 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 98 Resp: 2624678
Ion Ratio Lower Upper
98 100
100 67.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

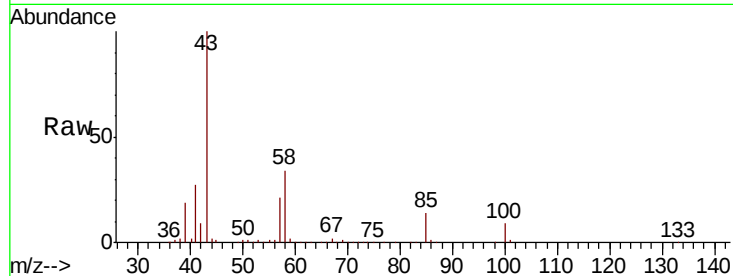




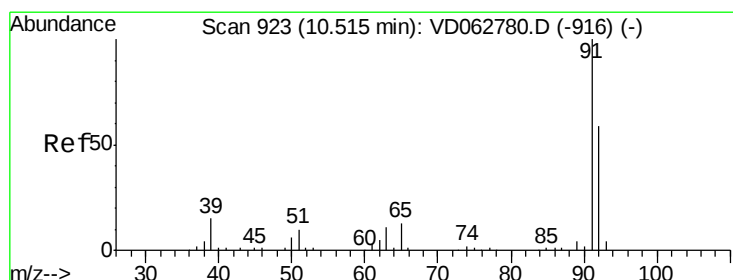
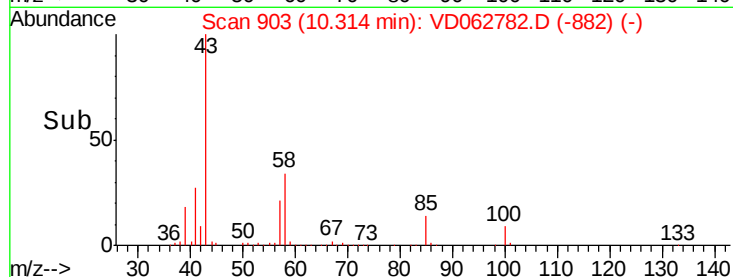
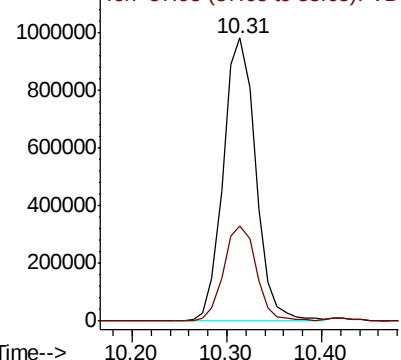
#51
4-Methyl-2-Pentanone
Concen: 484.615 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2339505
Ion Ratio Lower Upper
43 100
58 33.7 26.6 40.0

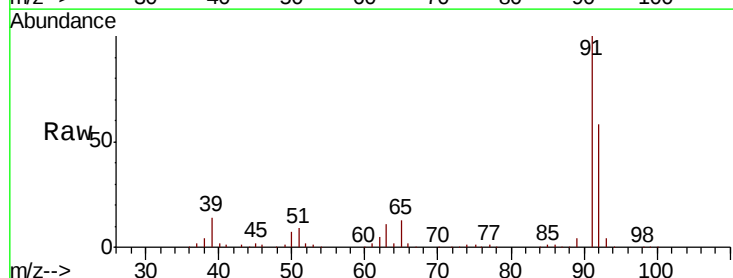


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

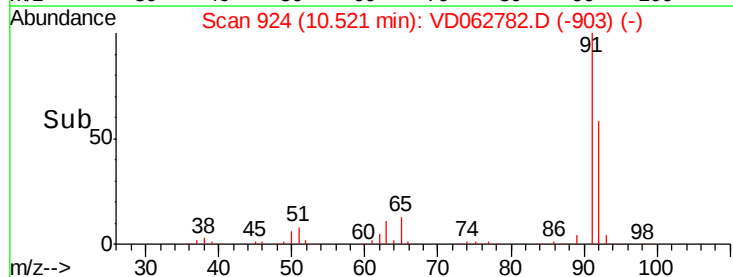
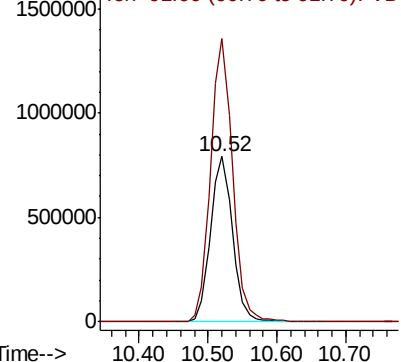


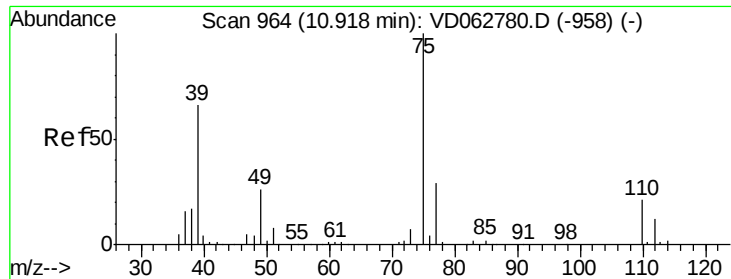
#52
Toluene
Concen: 100.032 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 92 Resp: 1753015
Ion Ratio Lower Upper
92 100
91 171.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

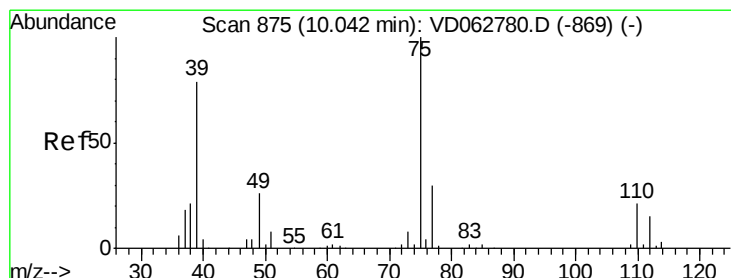
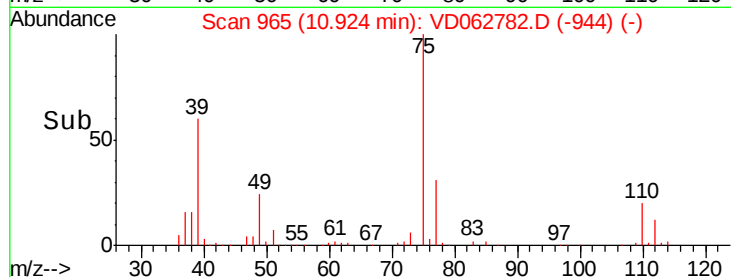
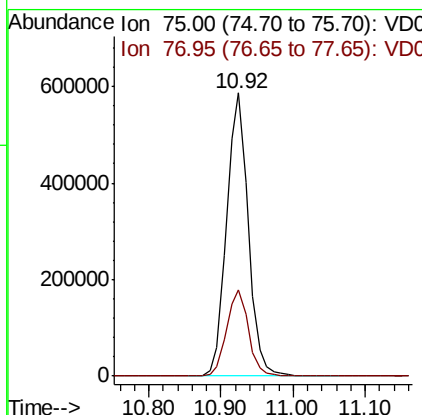
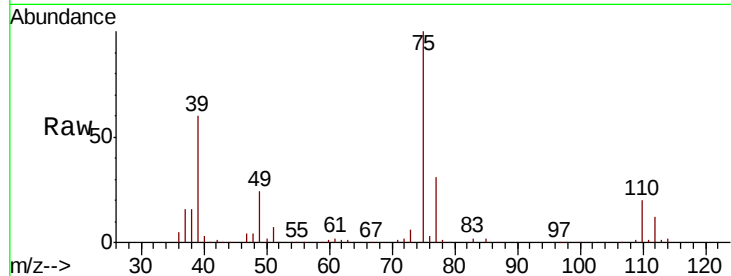




#53
 t-1,3-Dichloropropene
 Concen: 103.108 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

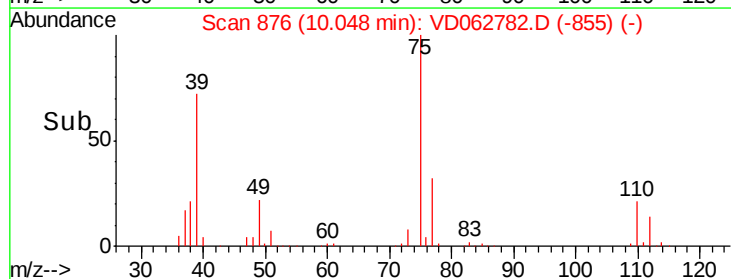
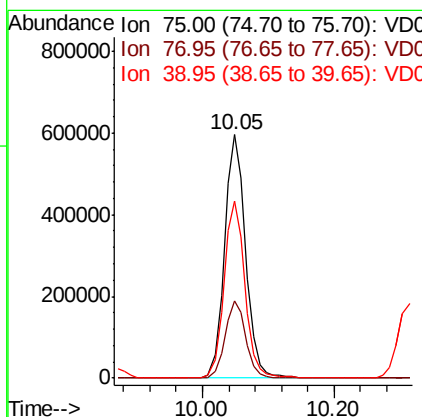
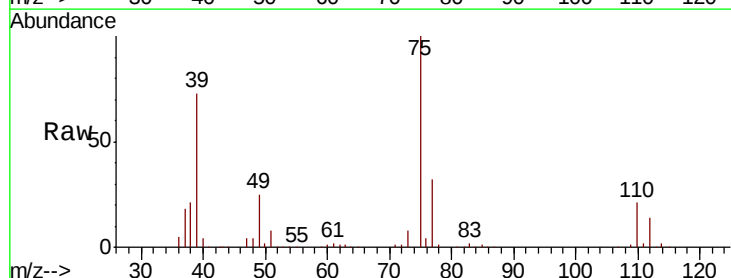
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

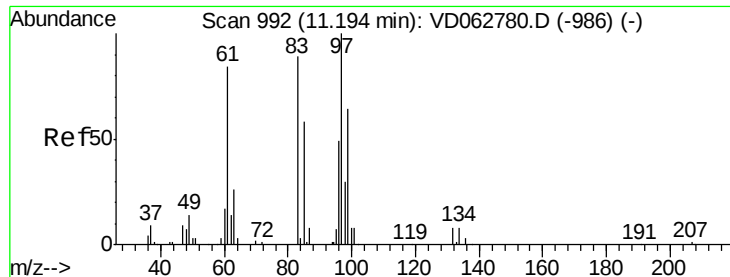
Tot Ion: 75 Resp: 1220501
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 103.339 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 75 Resp: 1329565
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.2 36.2
 39 72.6 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 97.903 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 589451

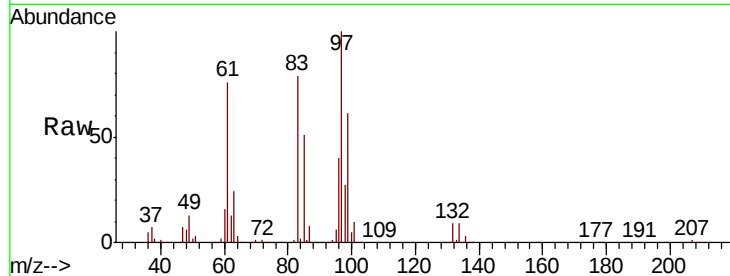
Ion Ratio Lower Upper

97 100

83 79.1 71.0 106.4

85 51.4 46.6 69.8

99 60.5 51.4 77.0

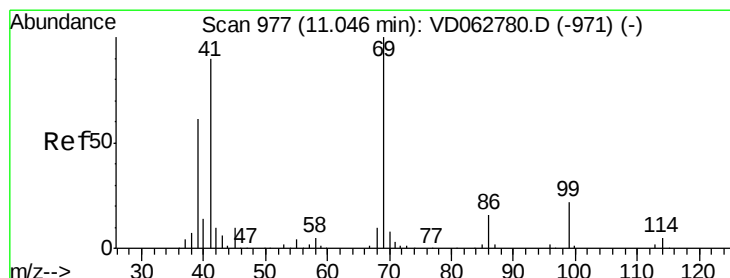
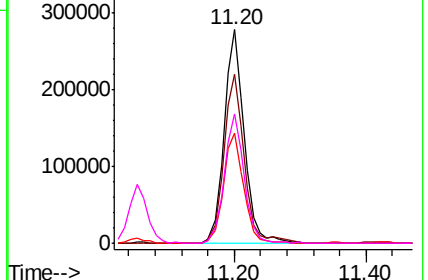
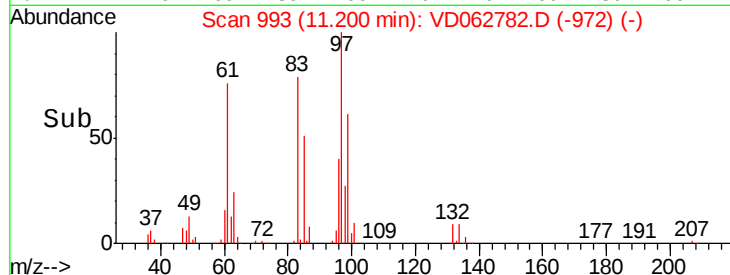


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 99.445 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

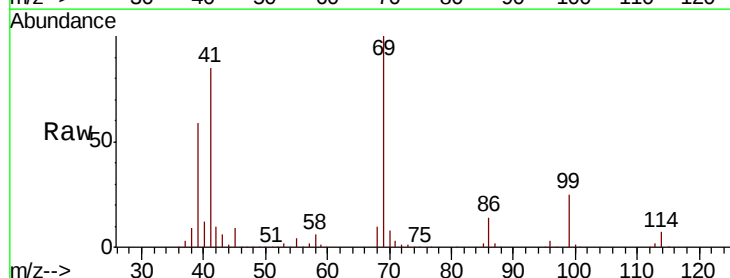
Tgt Ion: 69 Resp: 639861

Ion Ratio Lower Upper

69 100

41 85.0 72.0 108.0

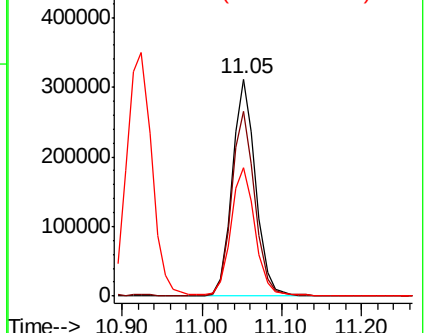
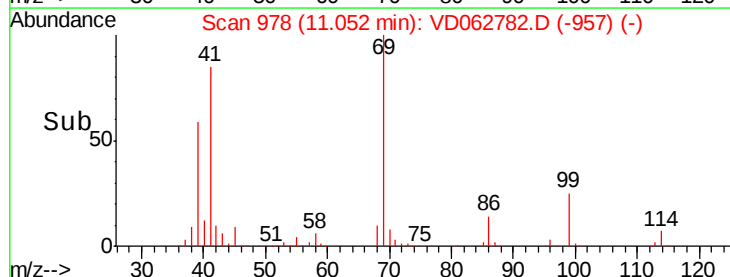
39 59.4 49.5 74.3

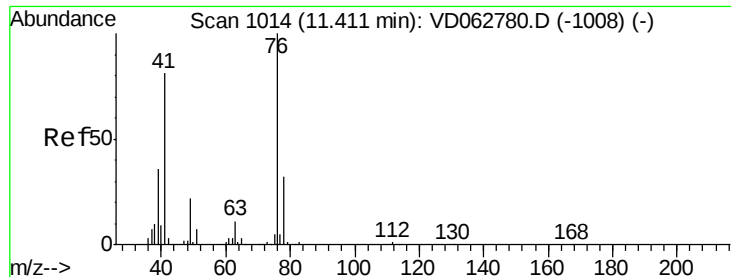


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 96.183 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

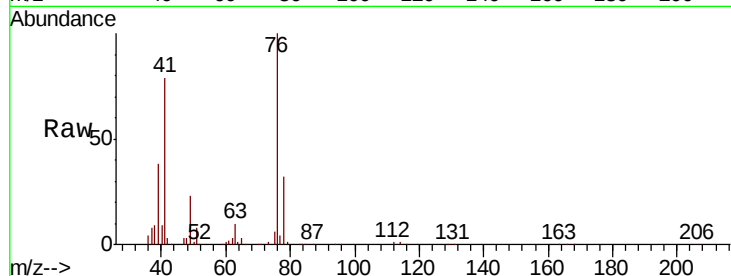
VSTDIC100

Tot Ion: 76 Resp: 886691

Ion Ratio Lower Upper

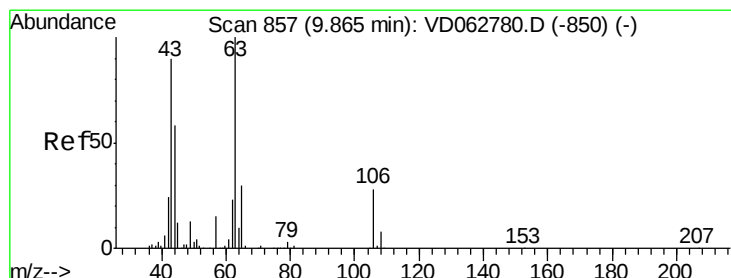
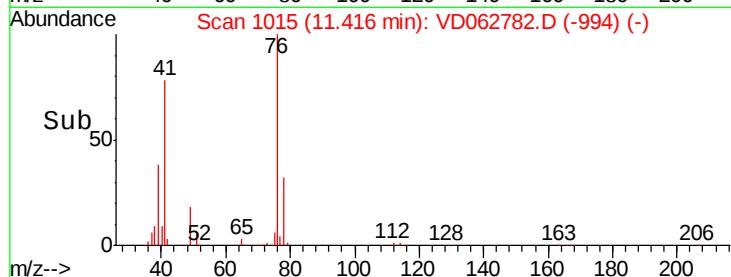
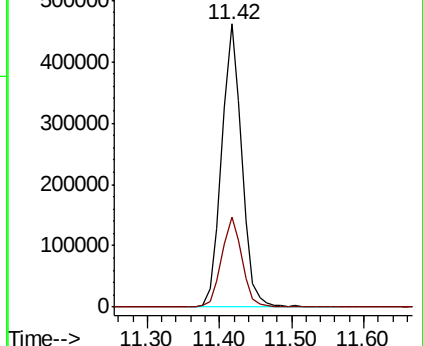
76 100

78 31.6 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 495.191 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062782.D

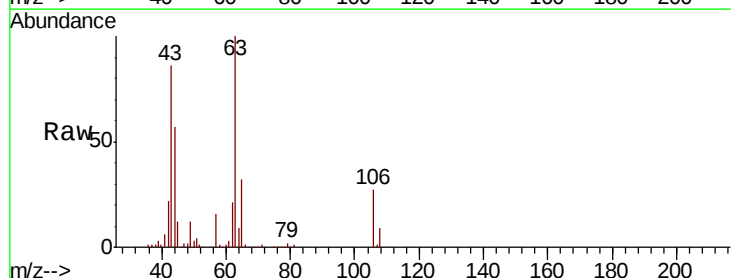
Acq: 19 Jun 2019 16:34

Tgt Ion: 63 Resp: 1635755

Ion Ratio Lower Upper

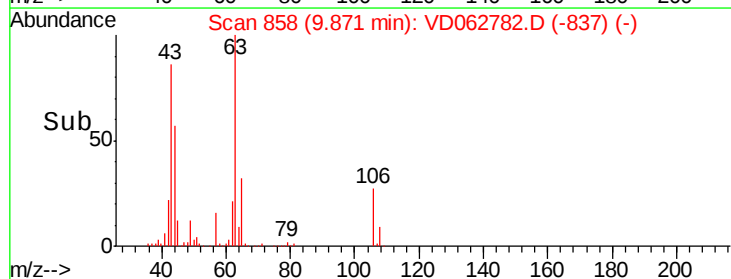
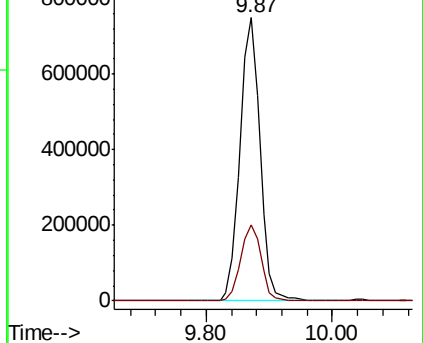
63 100

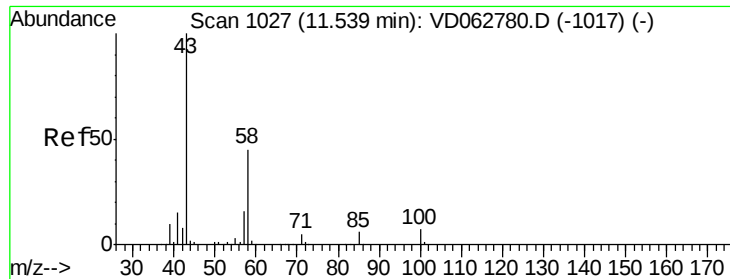
106 26.7 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

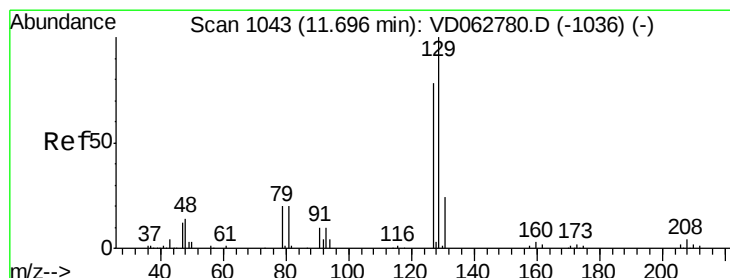
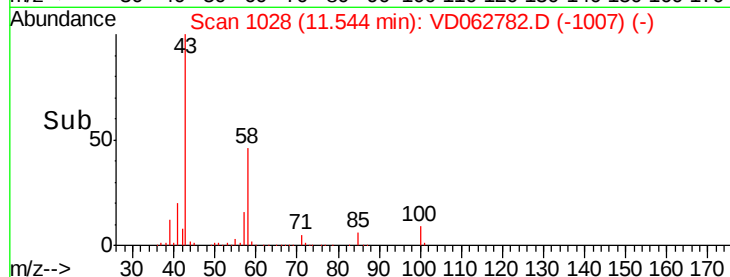
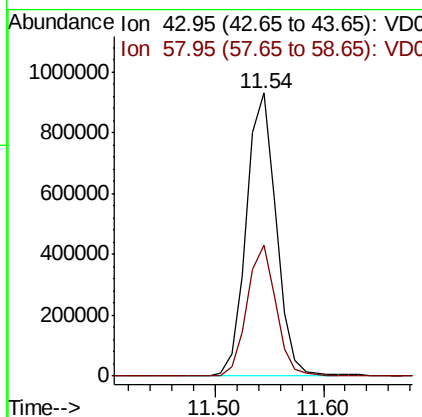
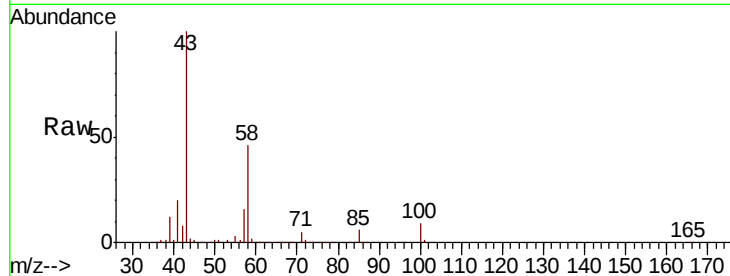




#59
2-Hexanone
Concen: 520.837 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

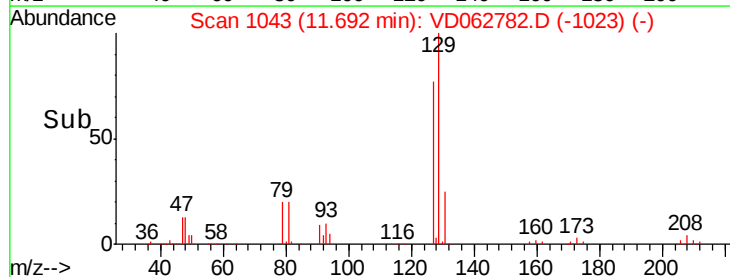
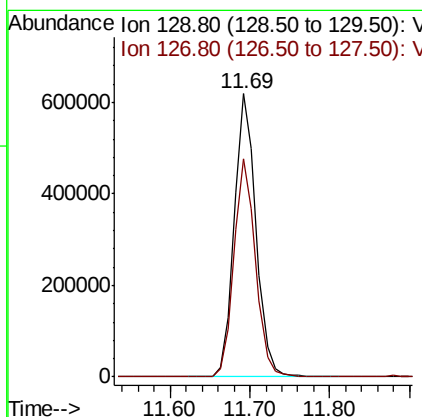
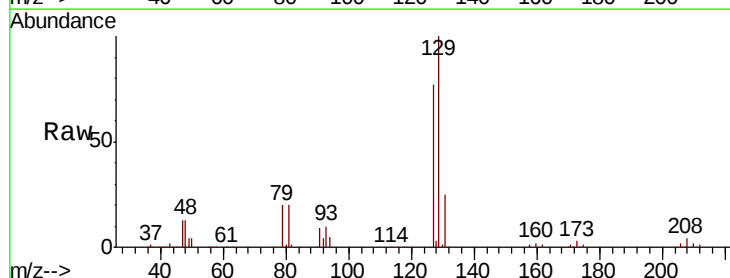
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

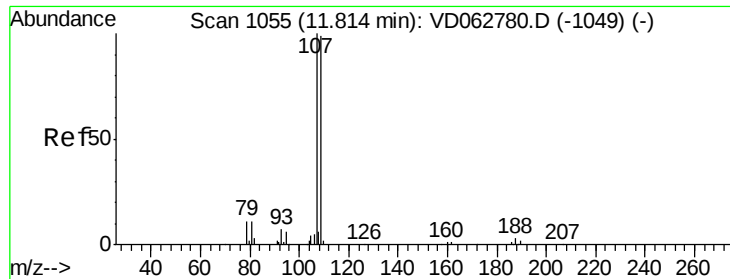
Tot Ion: 43 Resp: 1790709
Ion Ratio Lower Upper
43 100
58 46.4 22.4 67.2



#60
Dibromochloromethane
Concen: 105.219 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion:129 Resp: 1179977
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6

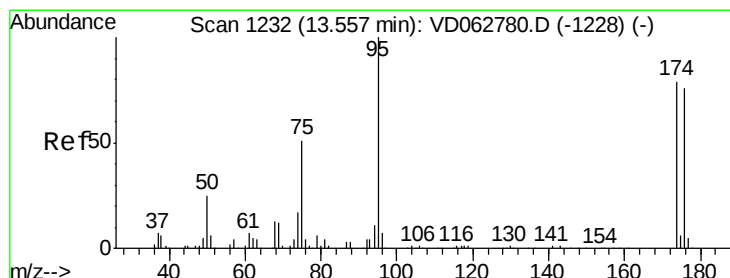
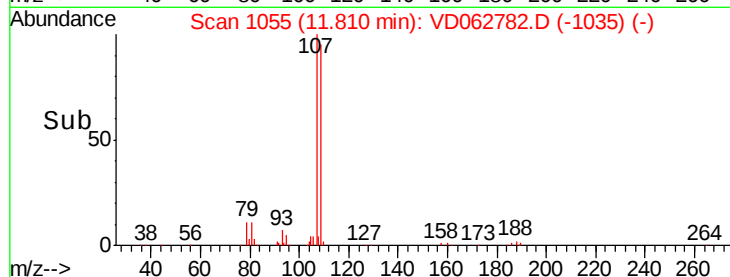
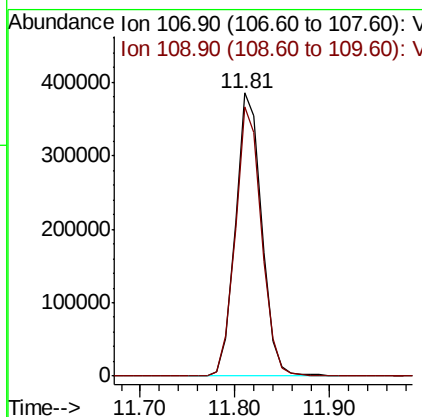
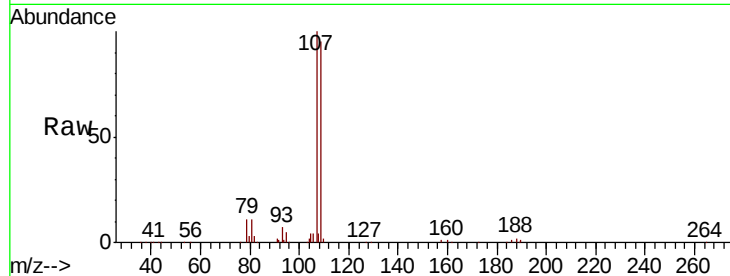




#61
 1,2-Dibromoethane
 Concen: 103.893 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

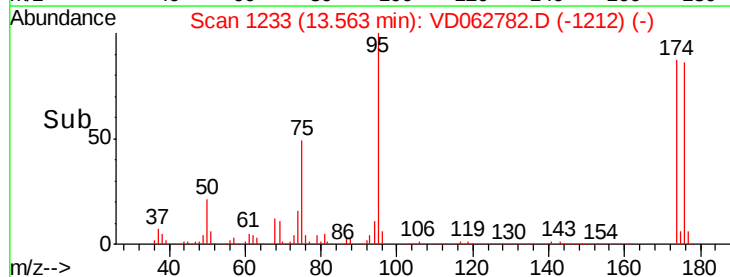
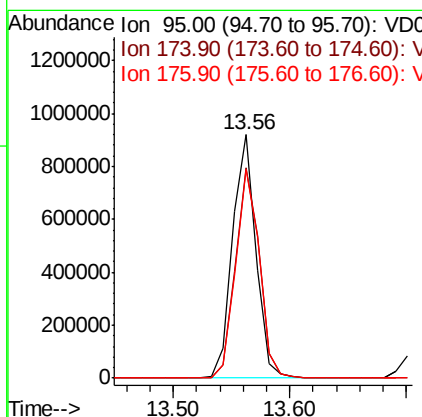
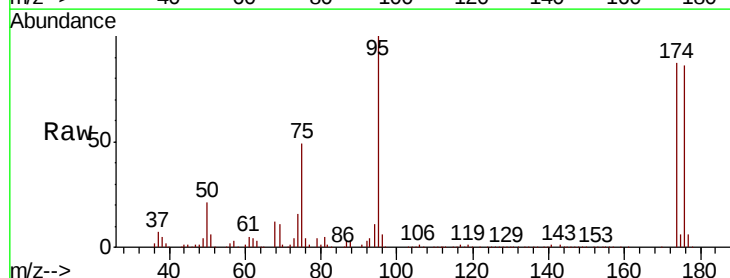
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

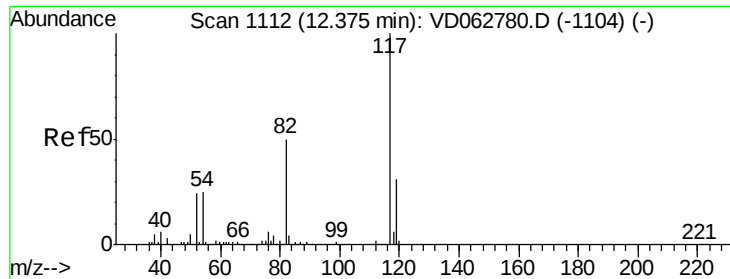
Tot Ion:107 Resp: 738763
 Ion Ratio Lower Upper
 107 100
 109 95.3 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 111.225 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion: 95 Resp: 1273387
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 158.0
 176 85.9 0.0 151.6

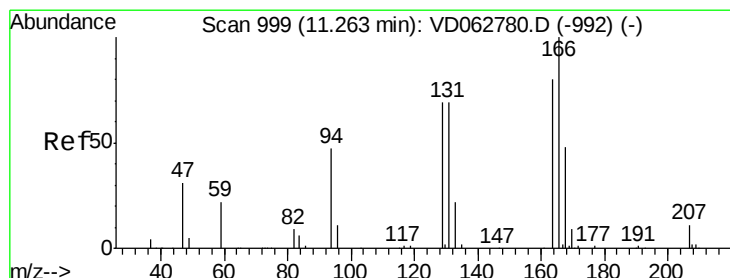
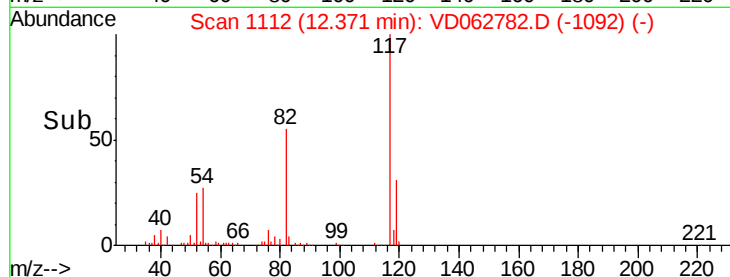
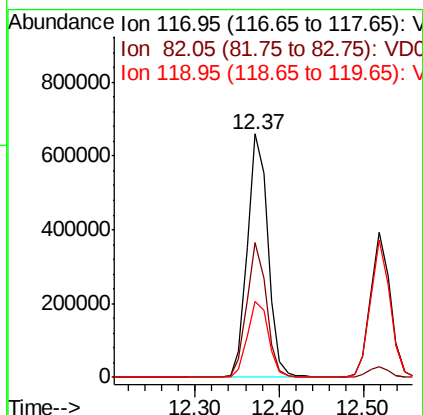
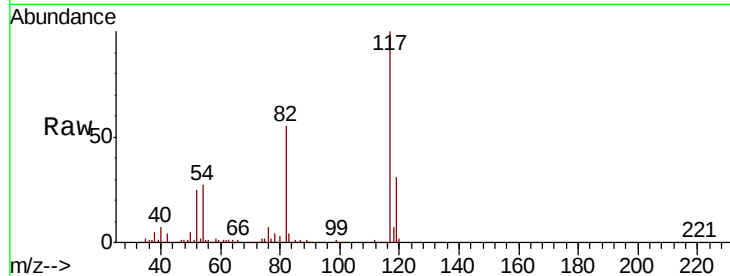




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

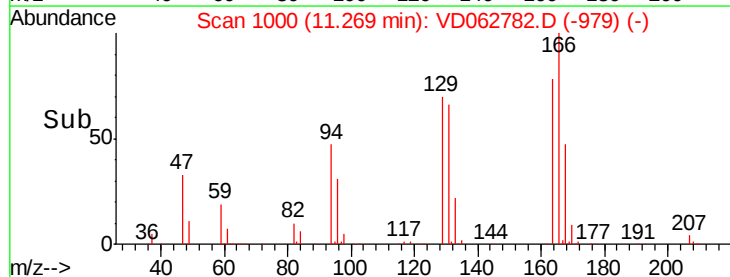
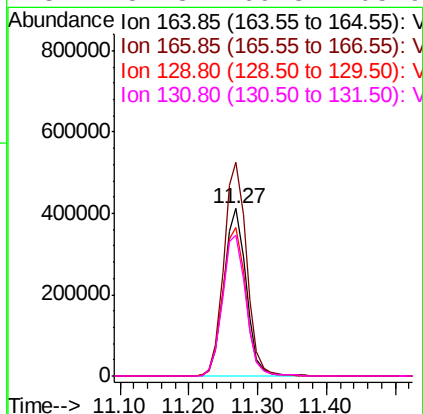
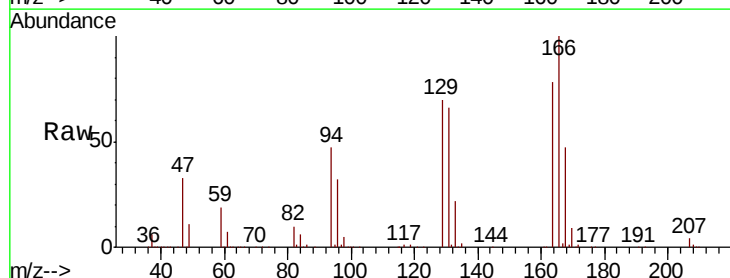
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

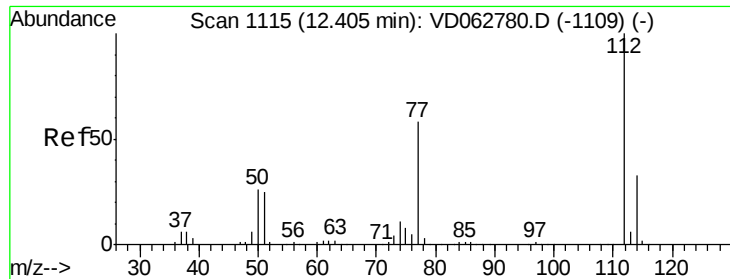
Tot Ion:117 Resp: 1132823
Ion Ratio Lower Upper
117 100
82 55.2 40.4 60.6
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 99.312 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion:164 Resp: 925929
Ion Ratio Lower Upper
164 100
166 127.6 100.6 150.8
129 89.0 69.4 104.0
131 84.3 69.3 103.9

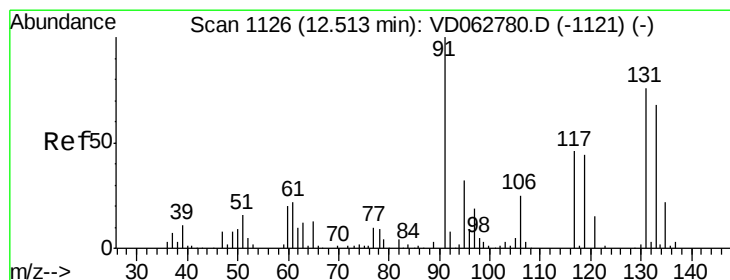
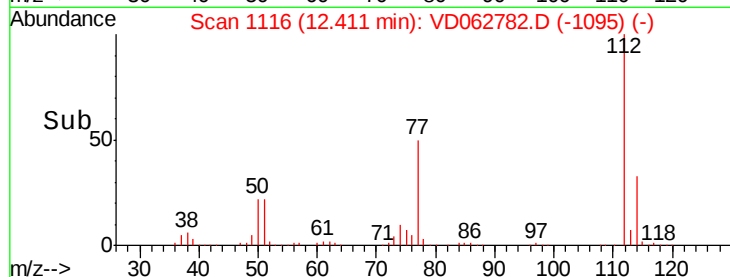
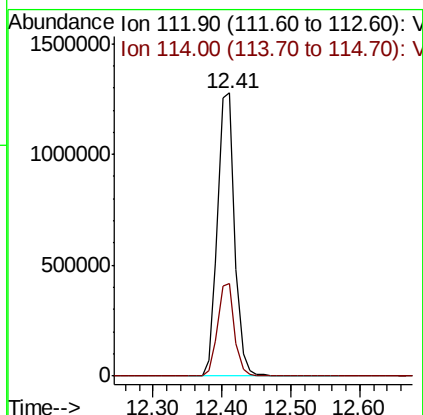
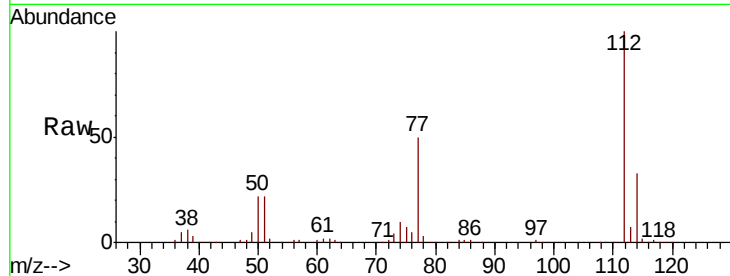




#65
Chlorobenzene
Concen: 105.559 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

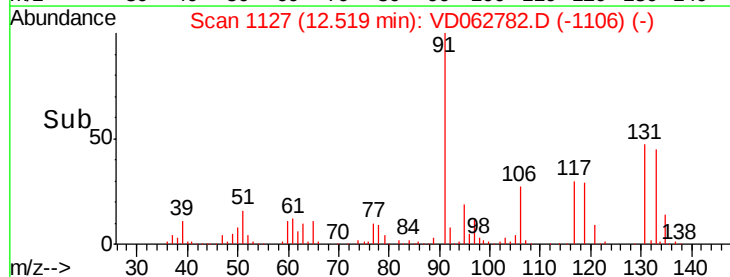
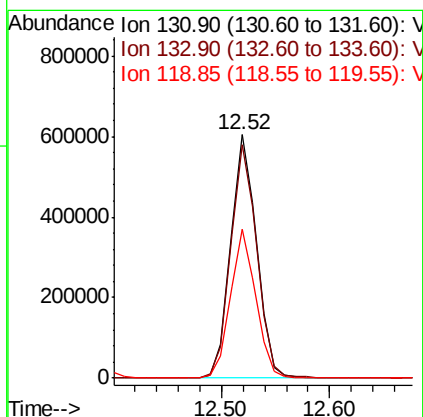
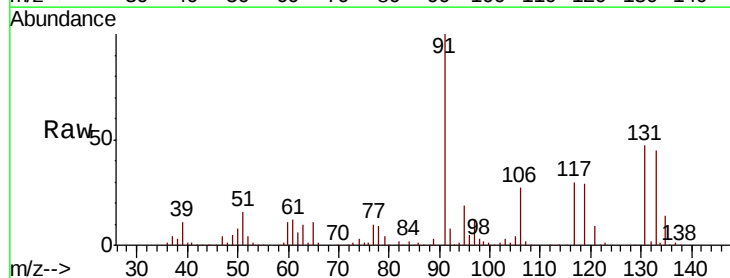
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

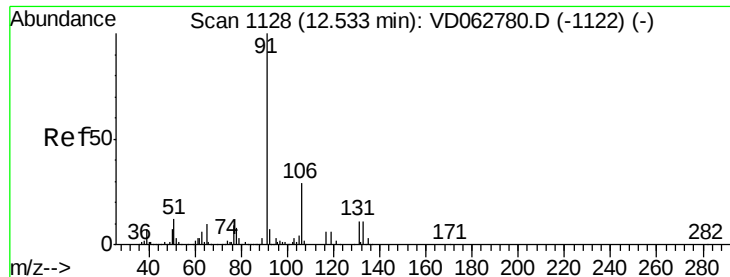
Tot Ion:112 Resp: 2219268
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 102.609 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion:131 Resp: 1008852
Ion Ratio Lower Upper
131 100
133 95.9 44.5 133.3
119 61.3 28.6 85.9

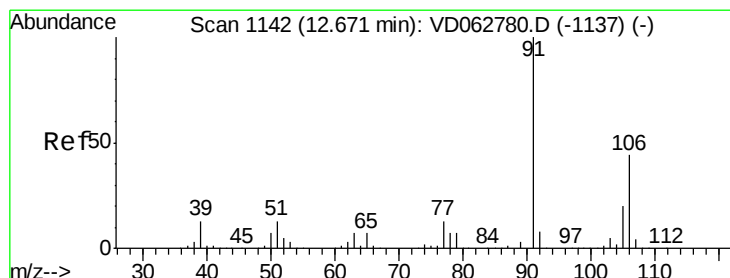
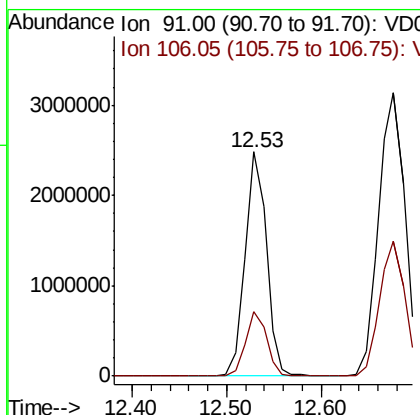
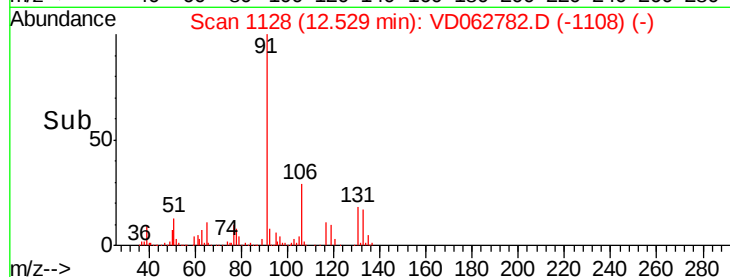
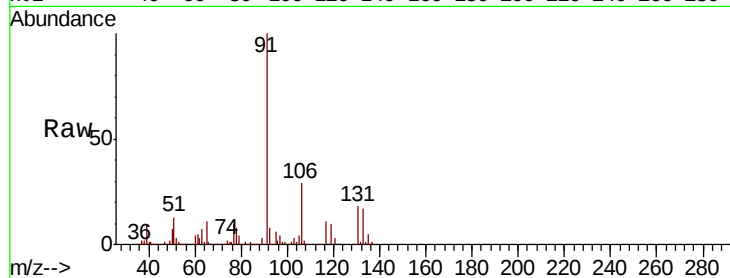




#67
Ethyl Benzene
Concen: 102.956 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

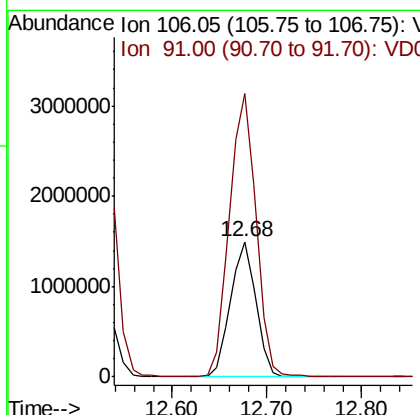
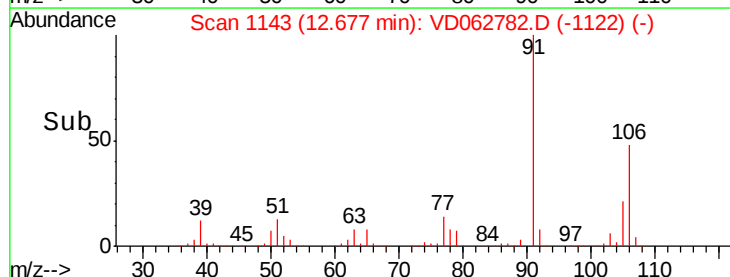
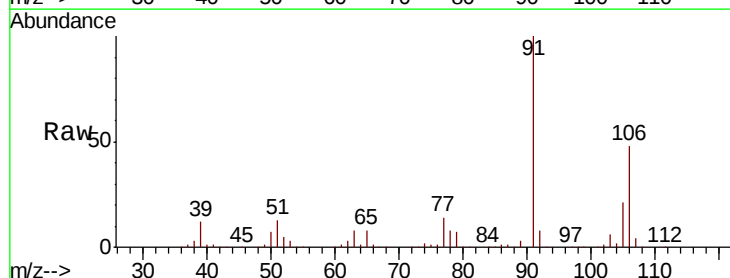
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

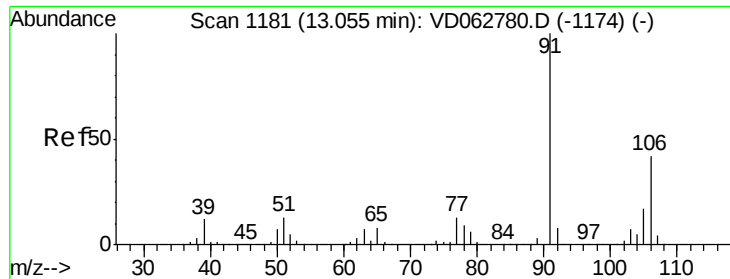
Tot Ion: 91 Resp: 3886213
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 212.720 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 106 Resp: 2796562
Ion Ratio Lower Upper
106 100
91 209.0 183.0 274.6

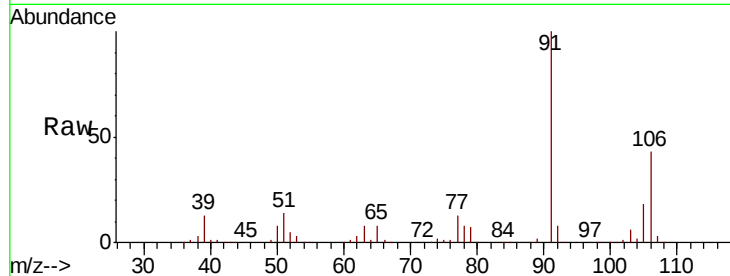




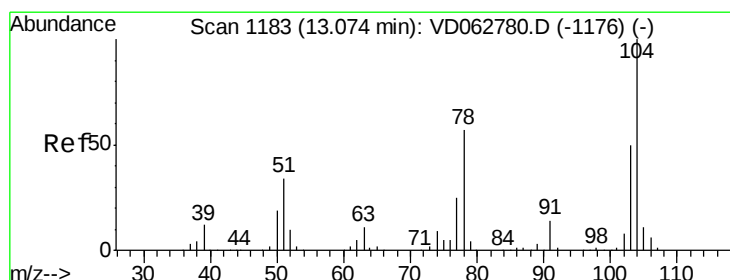
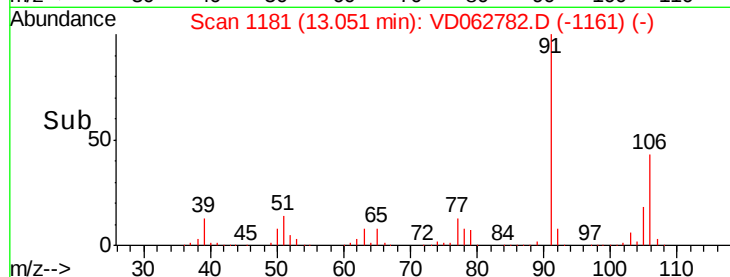
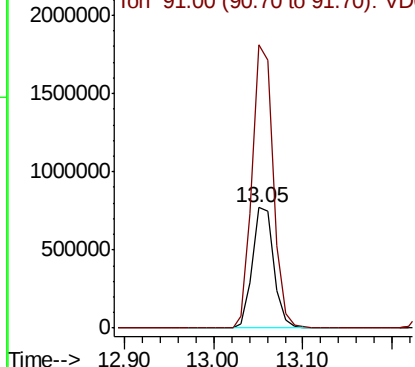
#69
o-Xylene
Concen: 105.559 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1268614
Ion Ratio Lower Upper
106 100
91 235.1 117.9 353.6

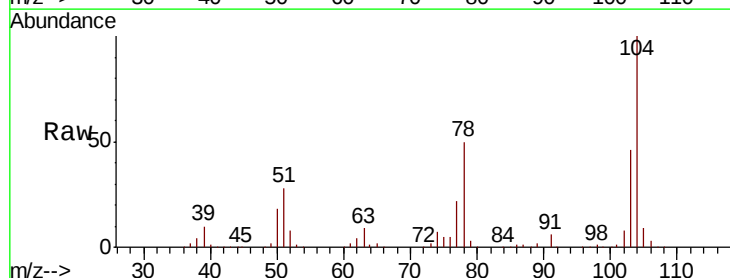


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

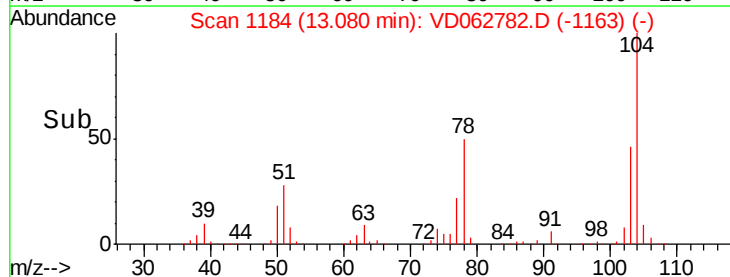
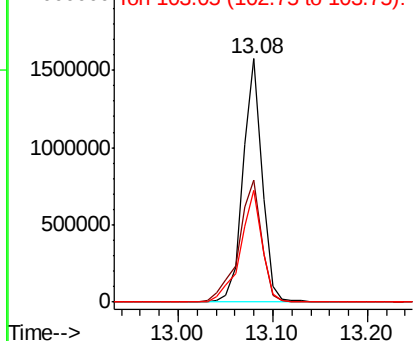


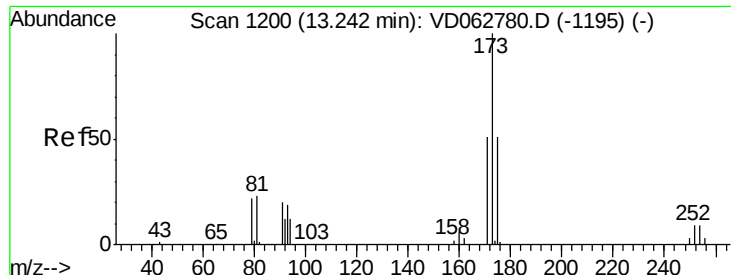
#70
Styrene
Concen: 103.323 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion:104 Resp: 2181062
Ion Ratio Lower Upper
104 100
78 49.9 45.4 68.2
103 46.0 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 108.033 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

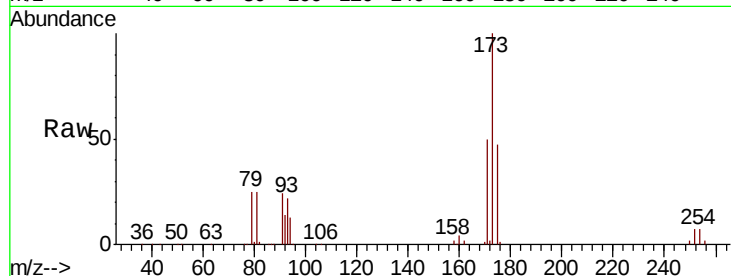
Tot Ion:173 Resp: 727749

Ion Ratio Lower Upper

173 100

175 46.9 25.3 75.9

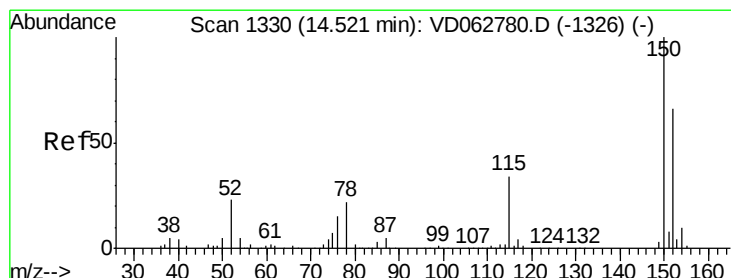
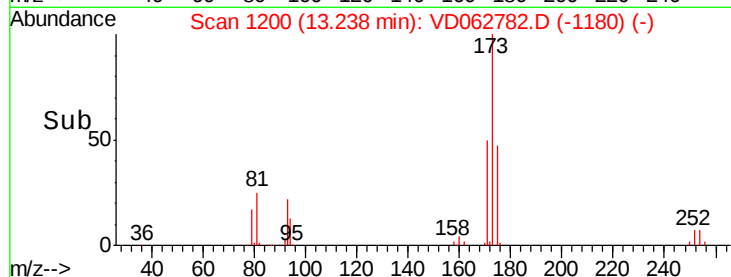
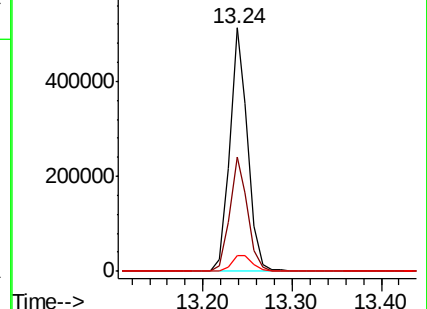
254 6.6 7.1 10.7#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

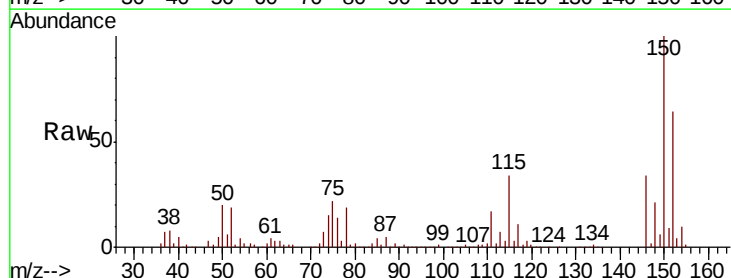
Tgt Ion:152 Resp: 643601

Ion Ratio Lower Upper

152 100

115 53.3 29.2 87.6

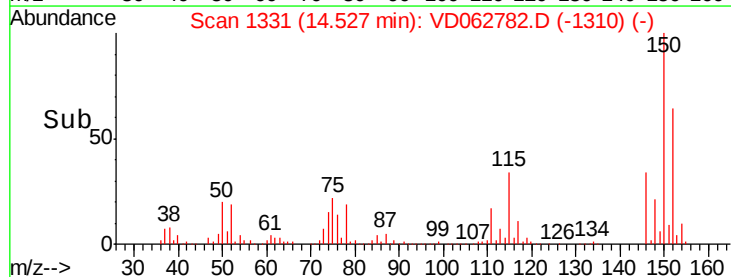
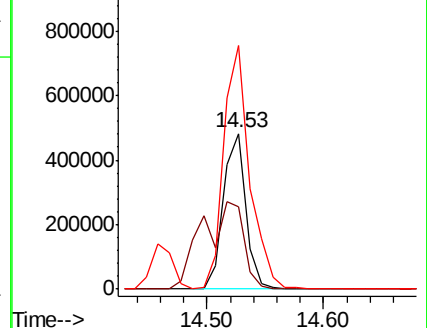
150 156.7 0.0 305.8

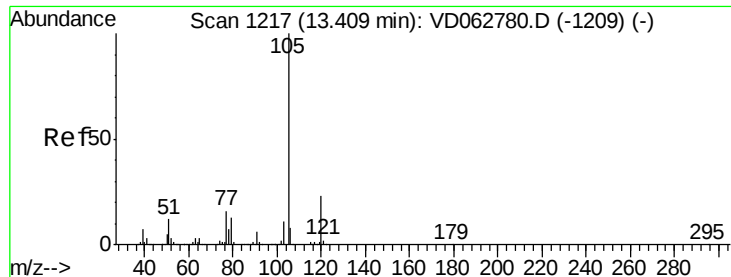


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 88.415 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

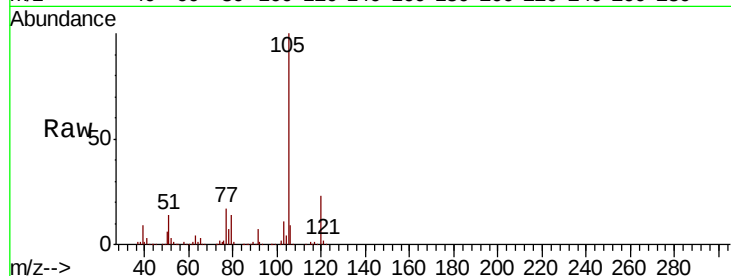
VSTDIC100

Tot Ion:105 Resp: 3648554

Ion Ratio Lower Upper

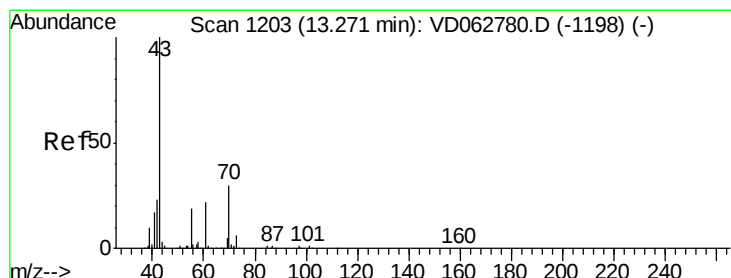
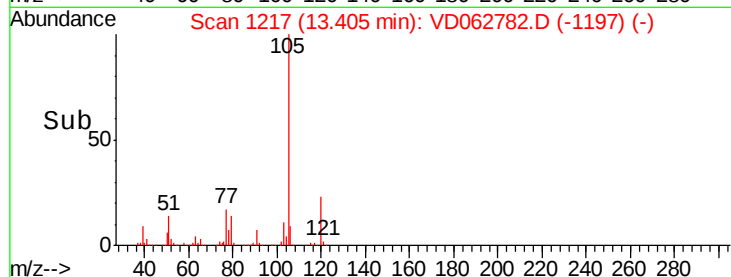
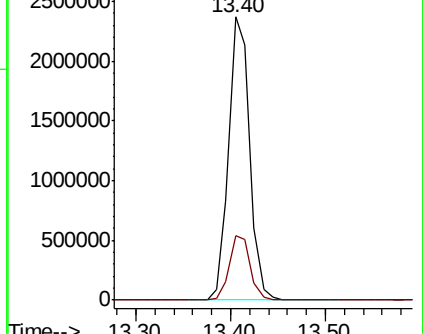
105 100

120 22.7 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 98.331 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Tgt Ion: 43 Resp: 985424

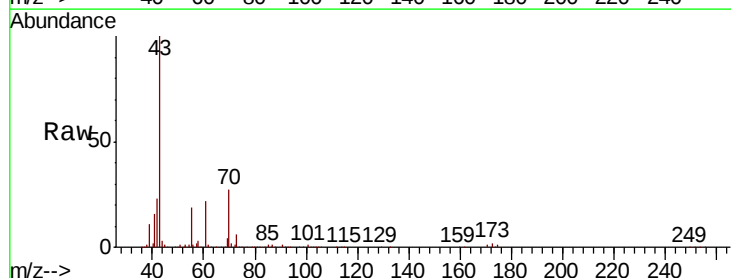
Ion Ratio Lower Upper

43 100

70 26.7 24.4 36.6

55 18.6 15.2 22.8

61 22.3 17.4 26.2

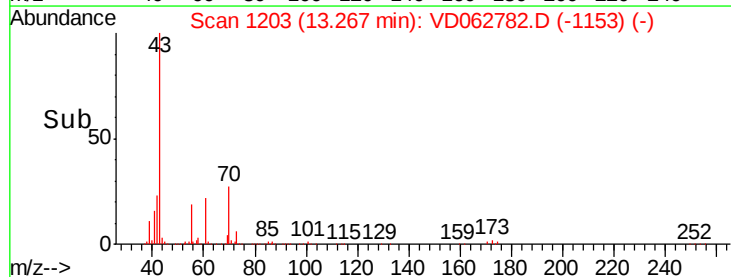
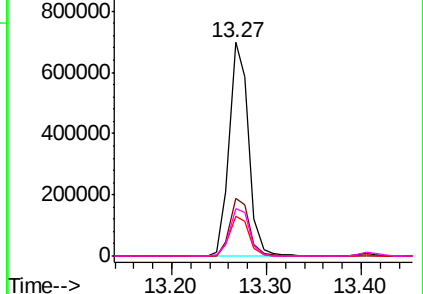


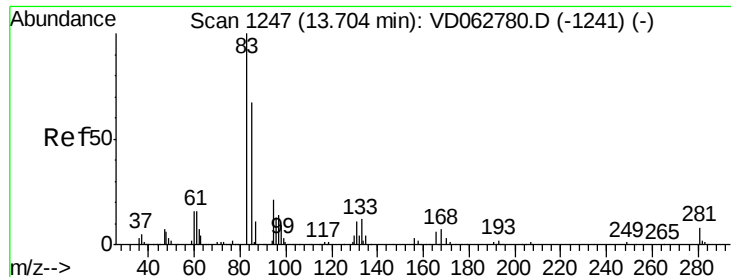
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 98.189 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

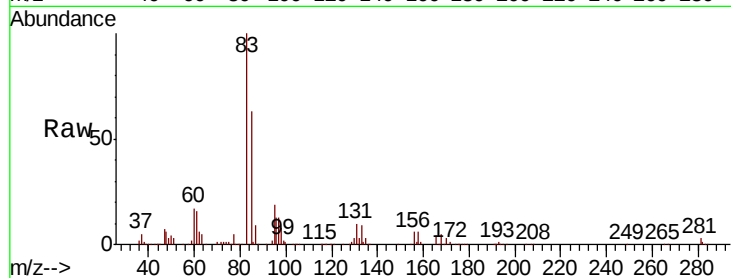
Tot Ion: 83 Resp: 660190

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	16.1
85	62.5	33.7	101.1

83 100

131 10.1 5.3 16.1

85 62.5 33.7 101.1



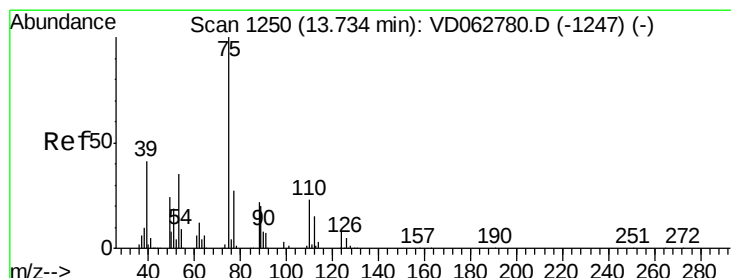
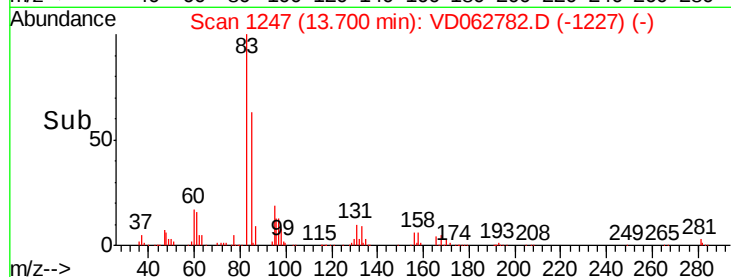
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 96.369 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062782.D

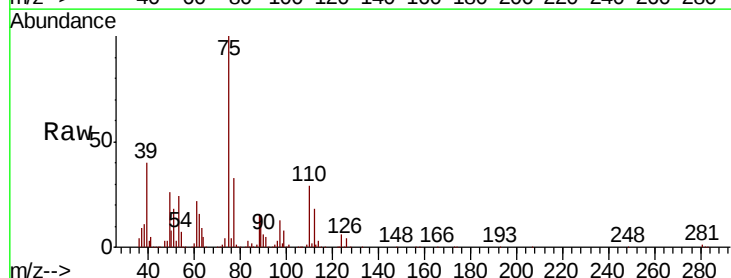
Acq: 19 Jun 2019 16:34

Tgt Ion: 75 Resp: 716011

Ion	Ratio	Lower	Upper
75	100		
77	32.7	15.0	45.1

75 100

77 32.7 15.0 45.1

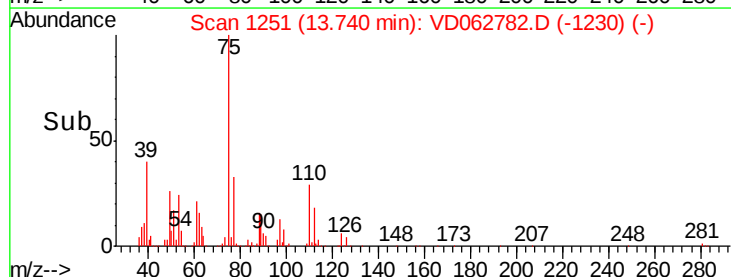


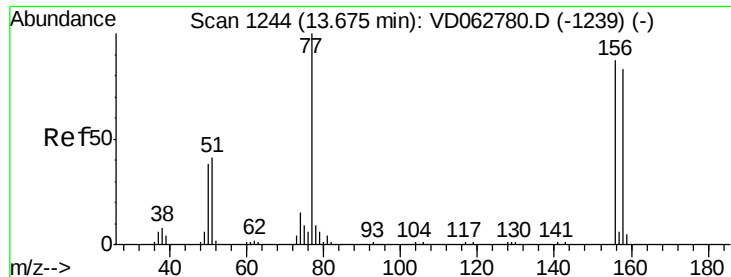
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.74

Time-->





#77

Bromobenzene

Concen: 97.605 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

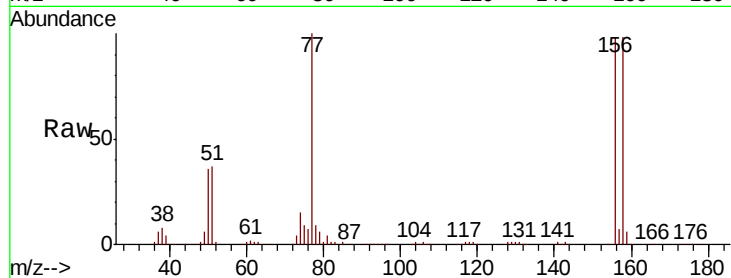
Tot Ion:156 Resp: 1083362

Ion Ratio Lower Upper

156 100

77 102.0 57.7 173.1

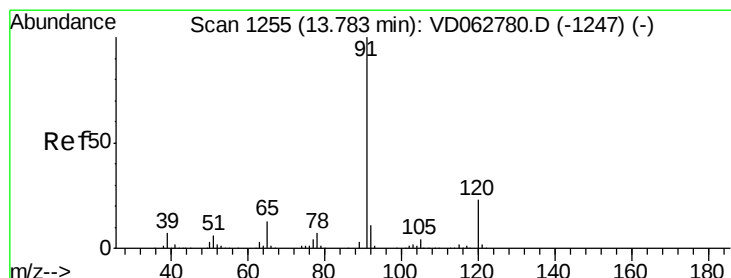
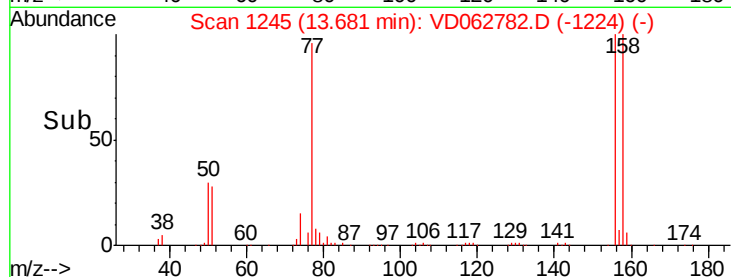
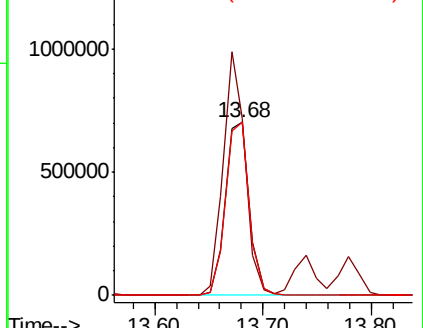
158 99.8 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 93.136 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062782.D

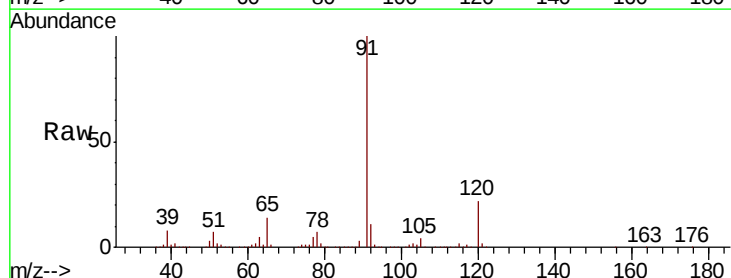
Acq: 19 Jun 2019 16:34

Tgt Ion: 91 Resp: 4473353

Ion Ratio Lower Upper

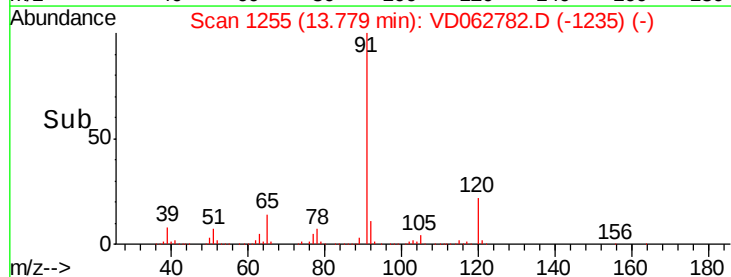
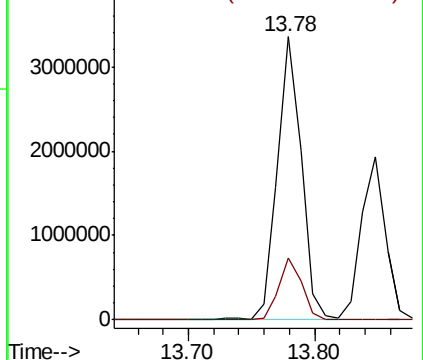
91 100

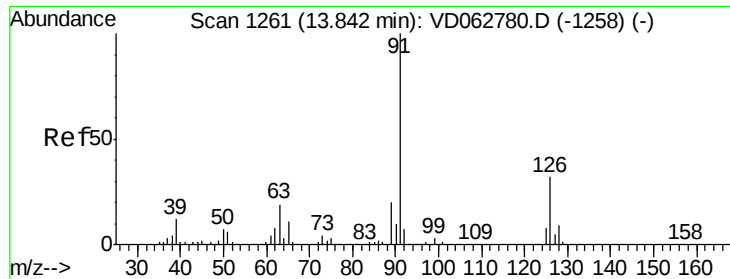
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

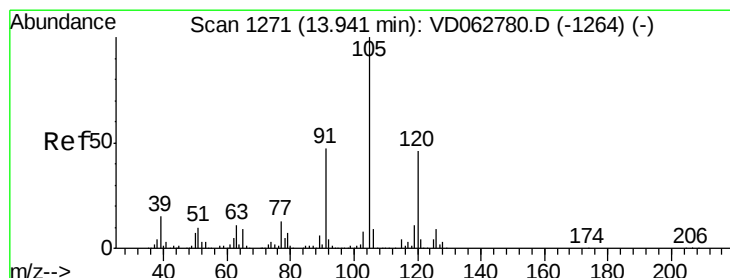
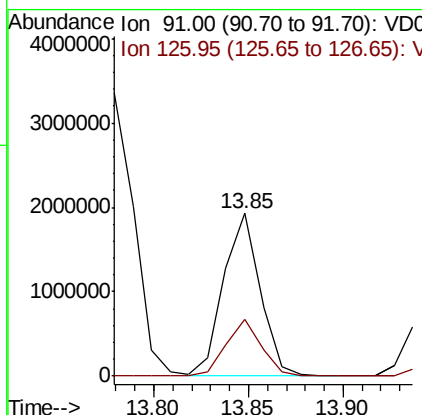
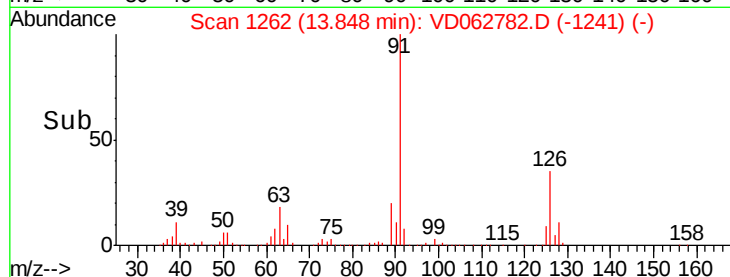
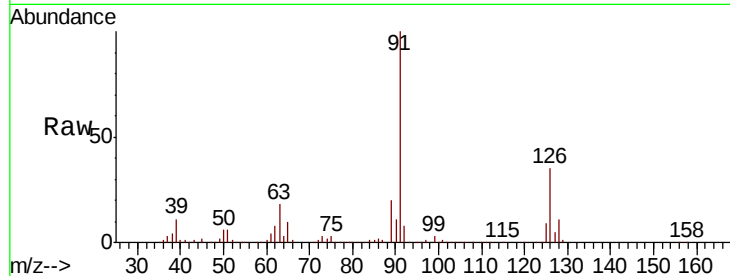




#79
 2-Chlorotoluene
 Concen: 93.999 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

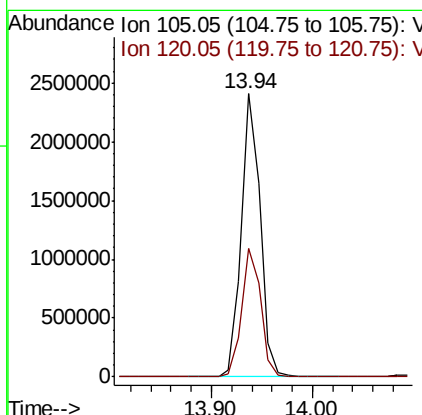
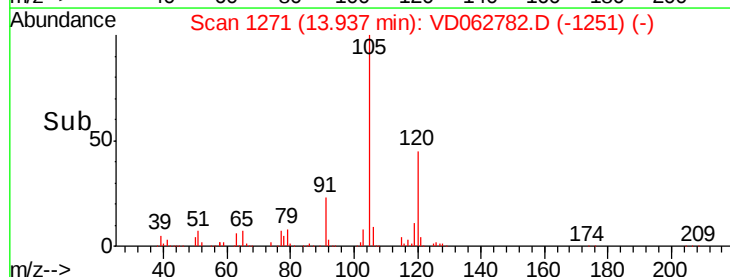
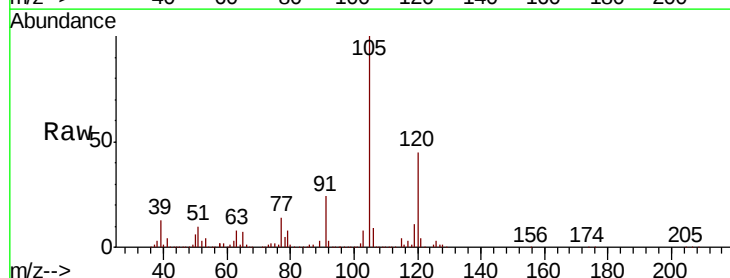
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

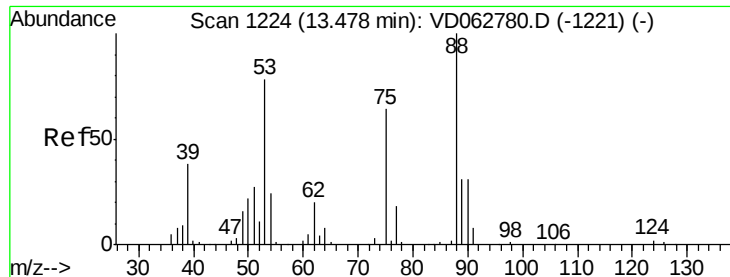
Tot Ion: 91 Resp: 2577804
 Ion Ratio Lower Upper
 91 100
 126 34.6 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 89.661 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:105 Resp: 3107856
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 102.272 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

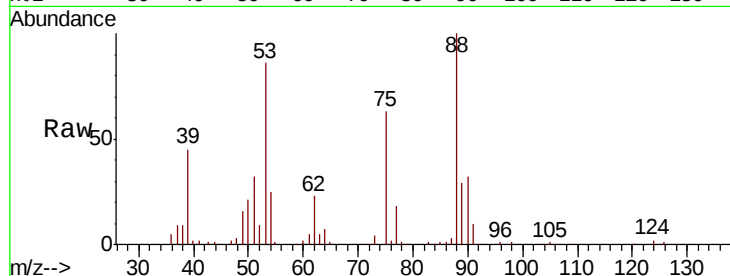
Tot Ion: 75 Resp: 199150

Ion Ratio Lower Upper

75 100

53 135.5 97.8 146.8

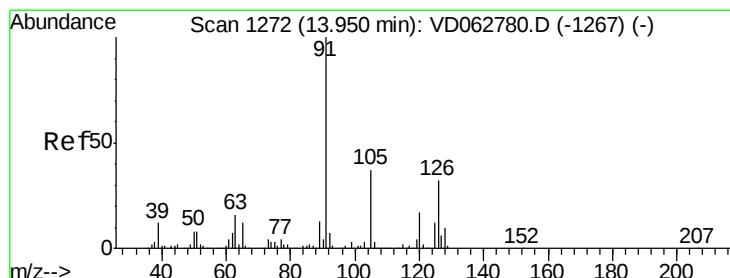
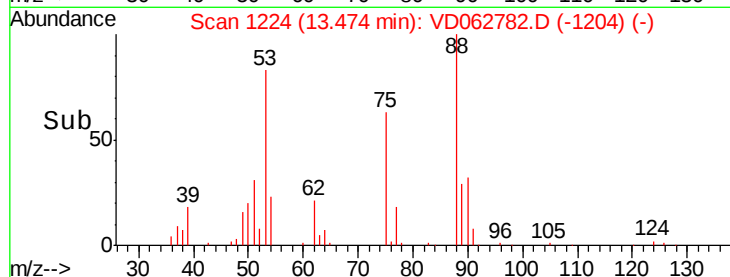
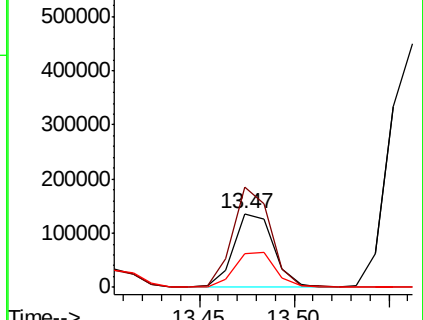
89 46.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 91.162 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062782.D

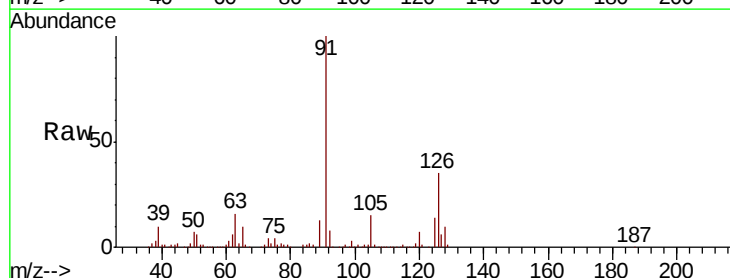
Acq: 19 Jun 2019 16:34

Tgt Ion: 91 Resp: 3012479

Ion Ratio Lower Upper

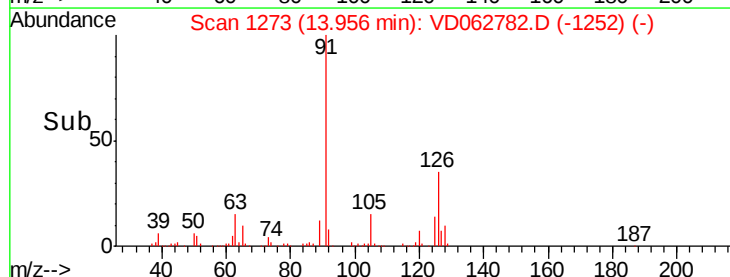
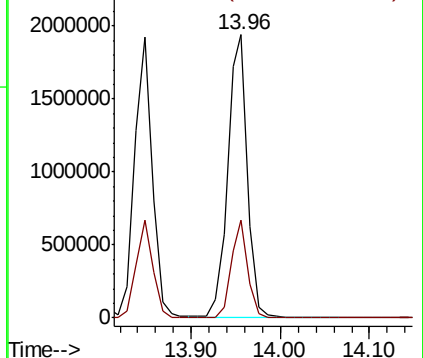
91 100

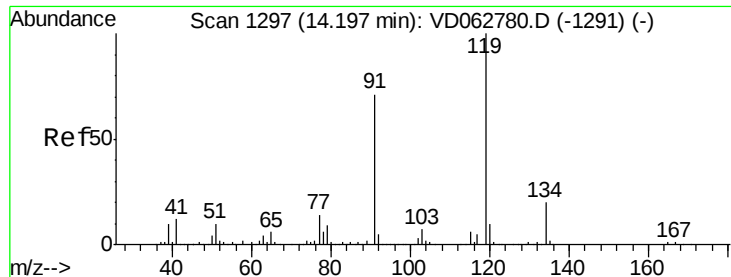
126 34.6 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 93.492 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

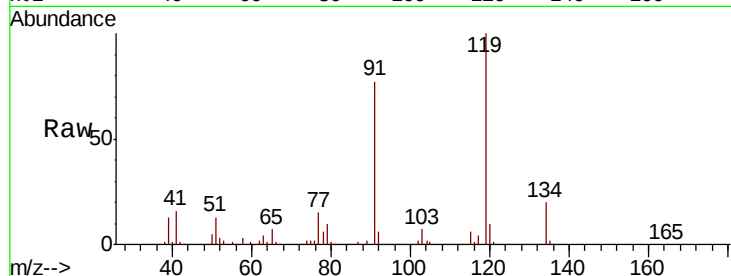
Tot Ion:119 Resp: 3612193

Ion Ratio Lower Upper

119 100

91 76.6 35.5 106.5

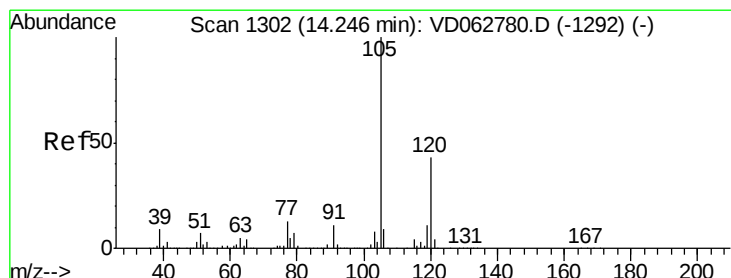
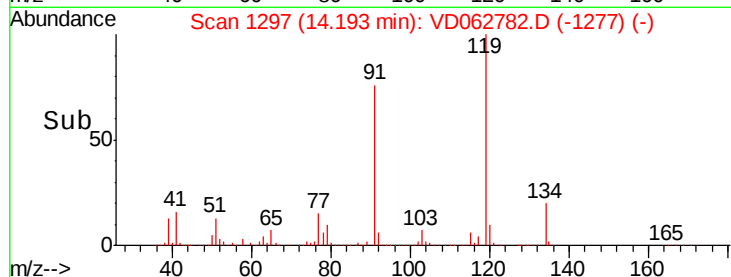
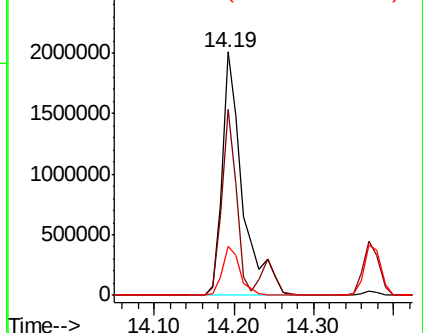
134 20.2 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 87.503 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062782.D

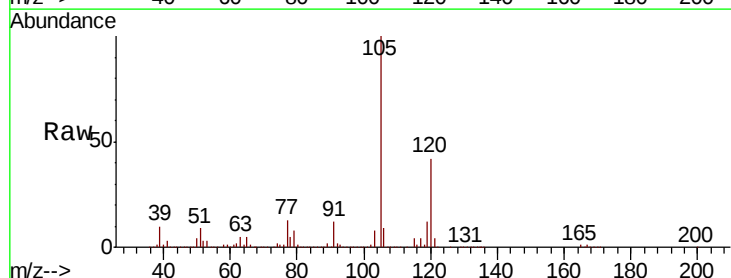
Acq: 19 Jun 2019 16:34

Tgt Ion:105 Resp: 3108744

Ion Ratio Lower Upper

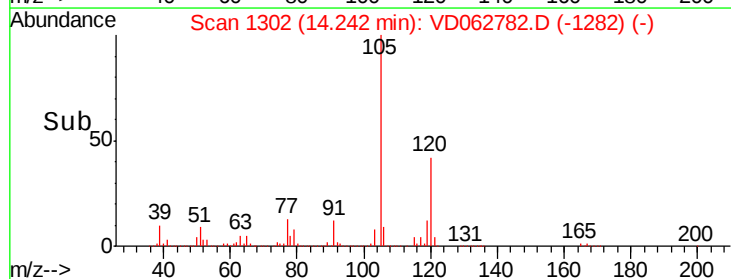
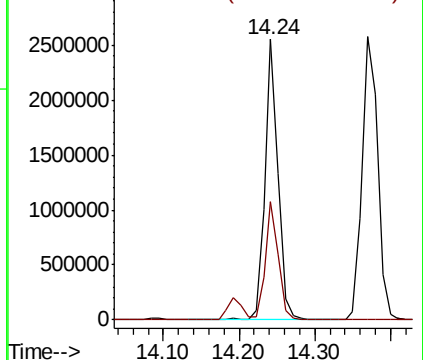
105 100

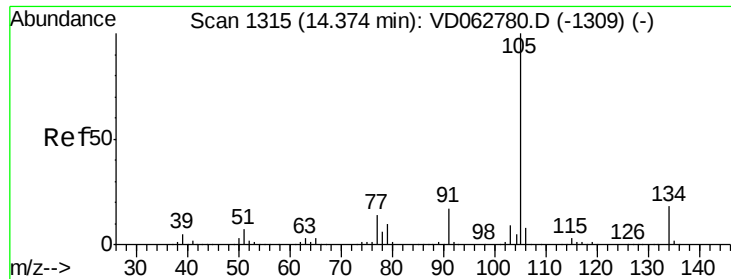
120 42.2 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

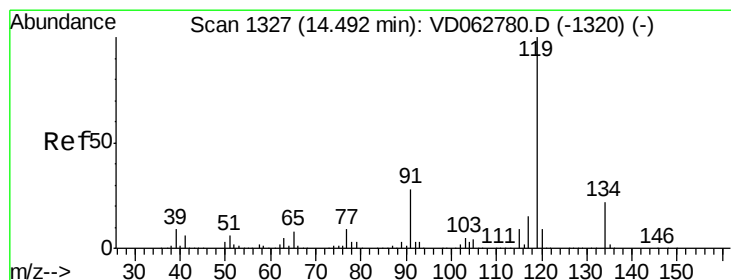
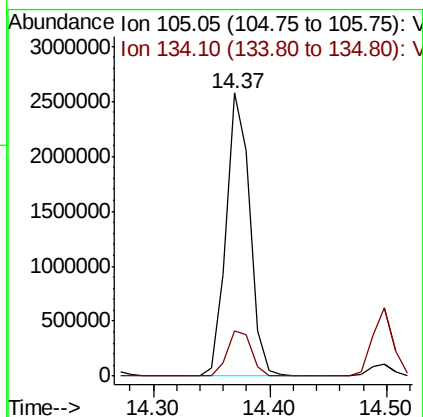
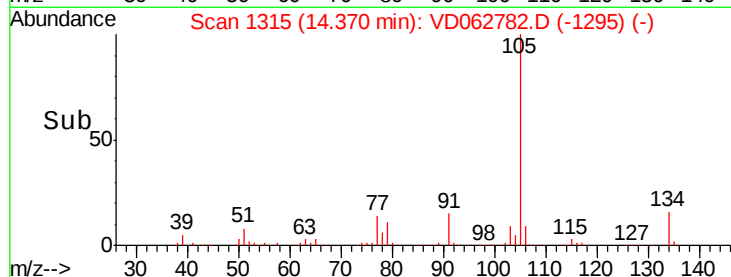
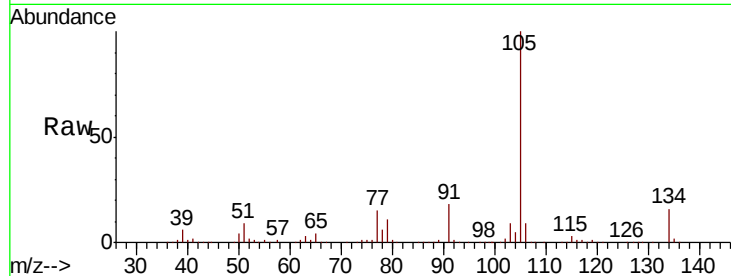




#85
 sec-Butylbenzene
 Concen: 85.992 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

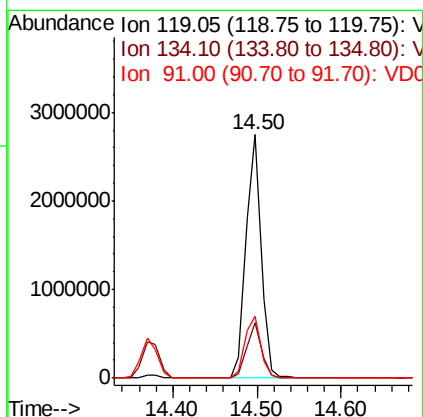
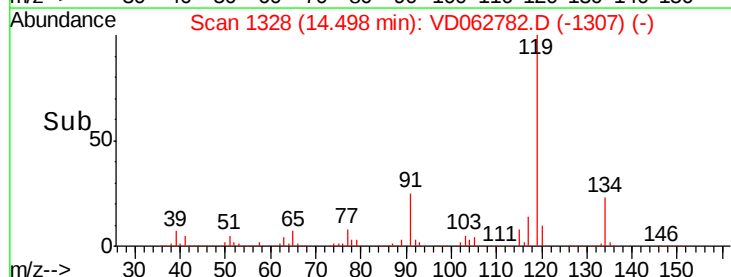
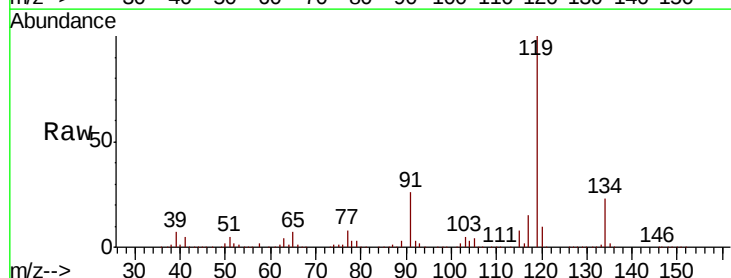
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

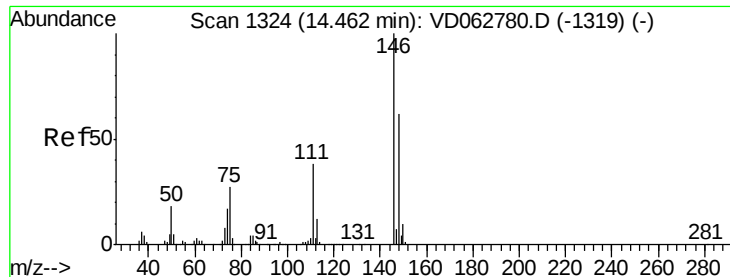
Tot Ion:105 Resp: 3611023
 Ion Ratio Lower Upper
 105 100
 134 16.1 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 89.885 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:119 Resp: 3453072
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.1 33.1
 91 25.5 14.0 41.9

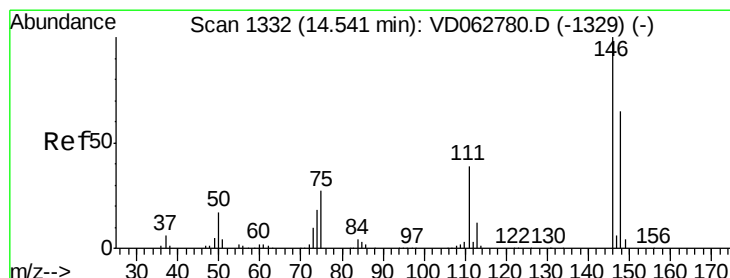
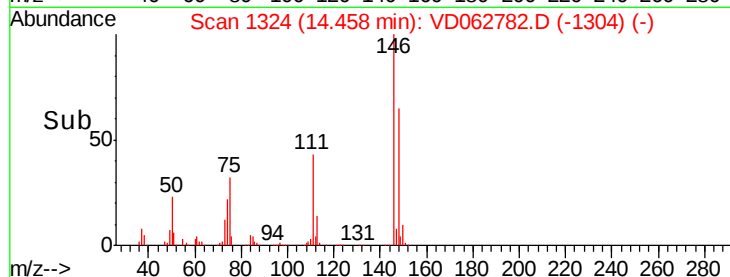
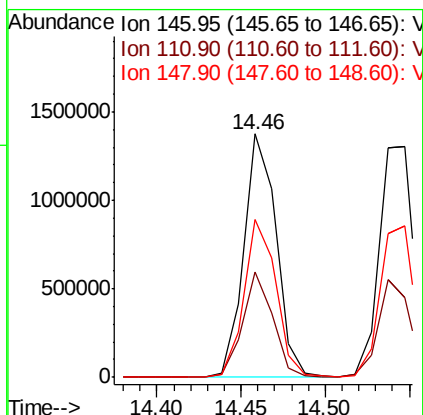
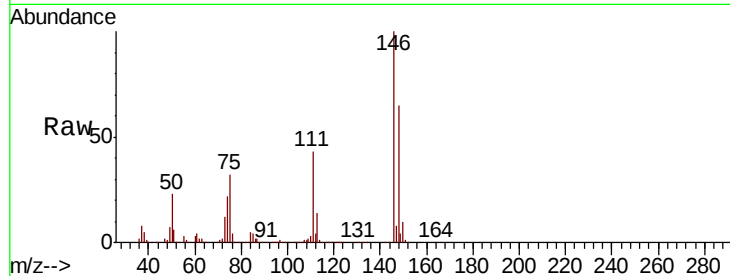




#87
 1,3-Dichlorobenzene
 Concen: 92.216 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

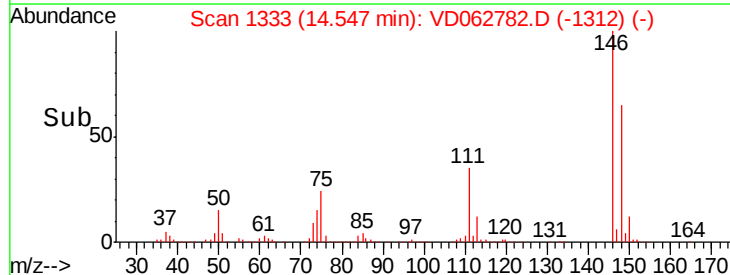
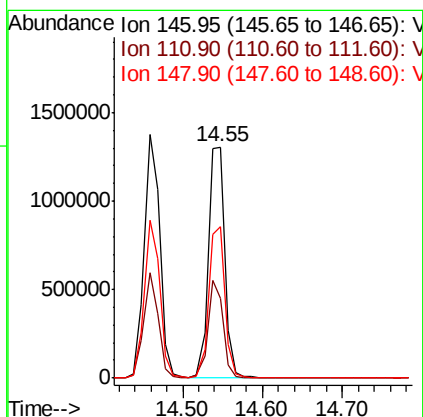
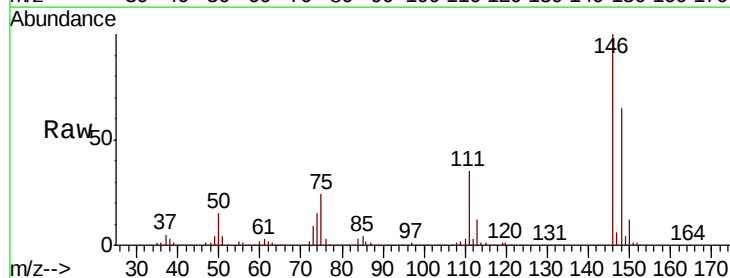
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

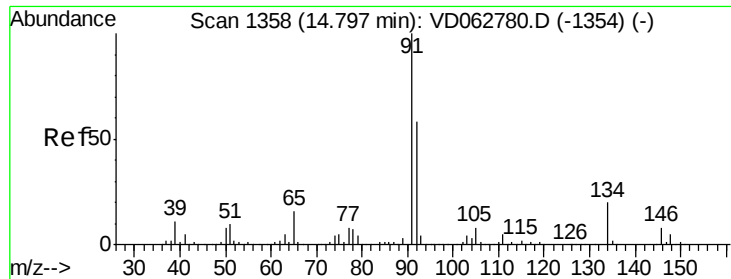
Tot Ion:146 Resp: 1834796
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.0 57.0
 148 64.8 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 94.506 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:146 Resp: 1888625
 Ion Ratio Lower Upper
 146 100
 111 34.7 19.7 59.1
 148 65.4 32.8 98.3





#89

n-Butylbenzene

Concen: 93.360 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

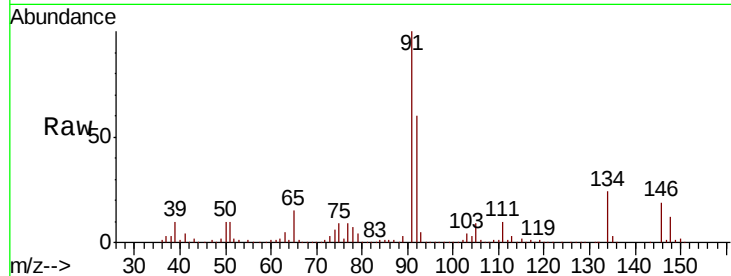
Tot Ion: 91 Resp: 3356894

Ion Ratio Lower Upper

91 100

92 60.1 28.9 86.7

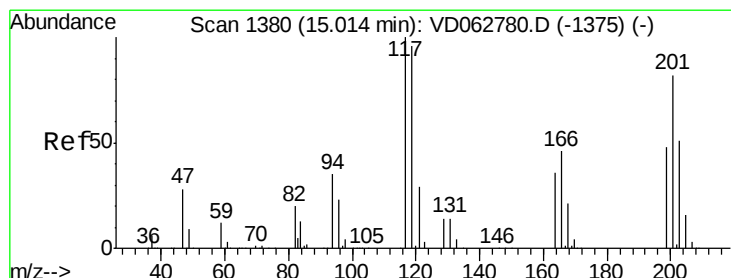
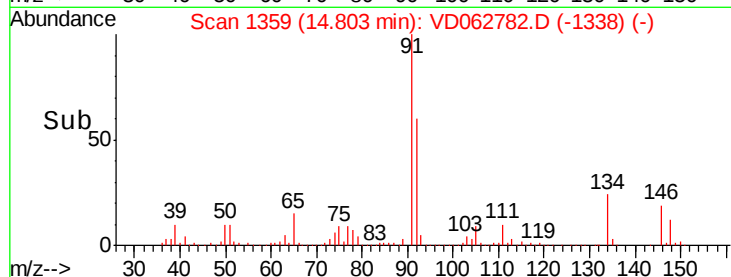
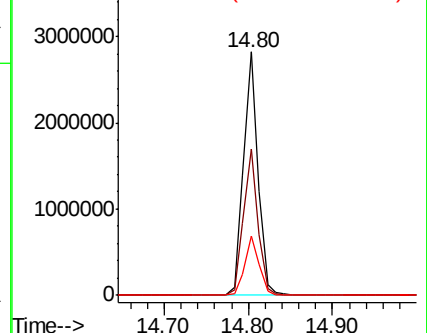
134 24.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 96.940 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062782.D

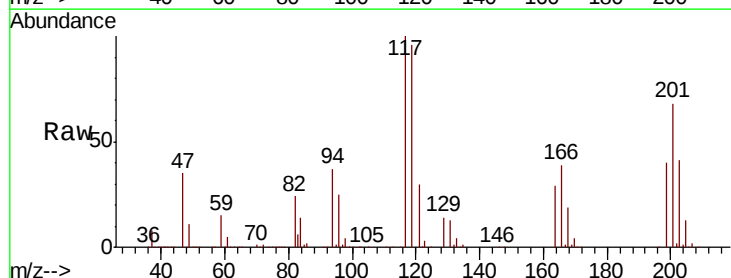
Acq: 19 Jun 2019 16:34

Tgt Ion: 117 Resp: 1001297

Ion Ratio Lower Upper

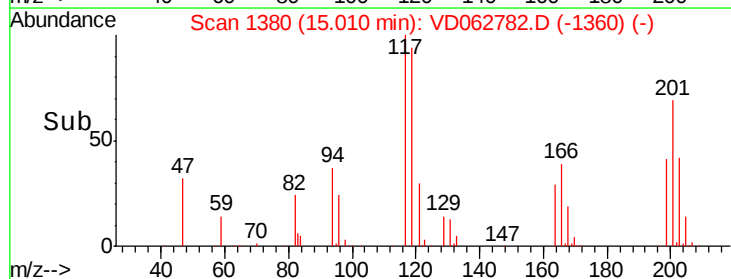
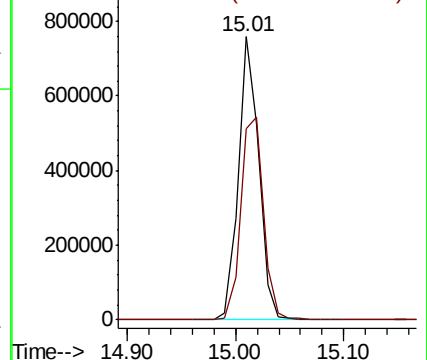
117 100

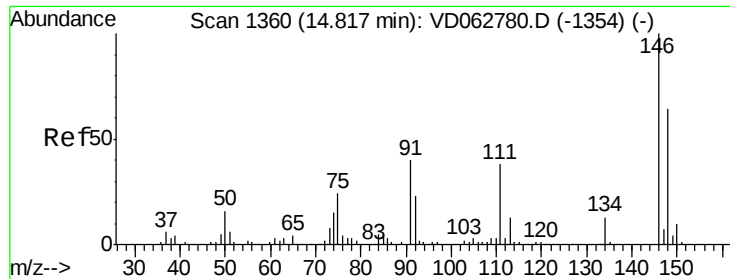
201 67.7 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 93.006 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

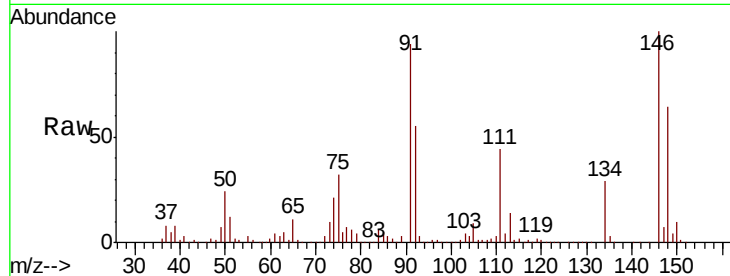
Tot Ion:146 Resp: 1583246

Ion Ratio Lower Upper

146 100

111 44.3 19.1 57.1

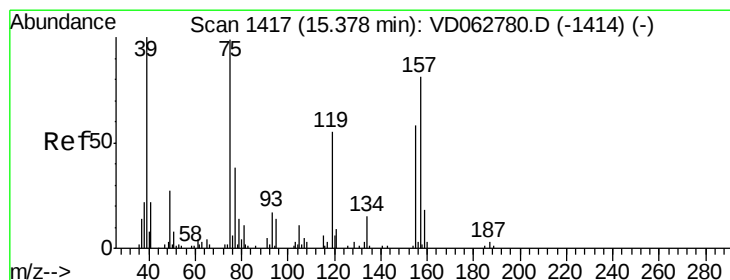
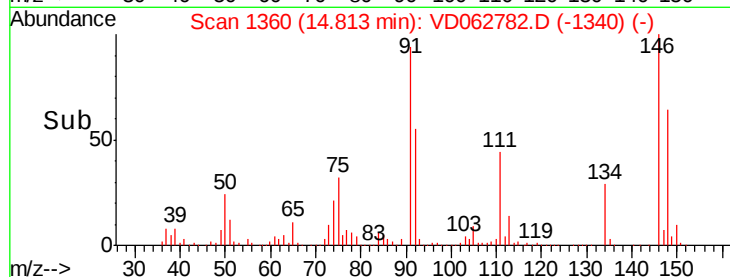
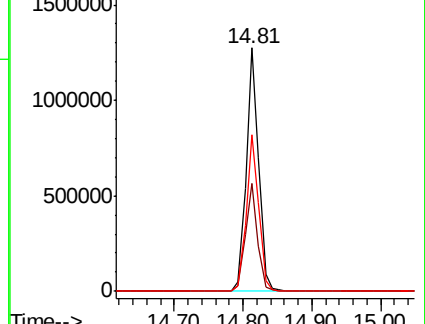
148 64.2 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 110.683 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

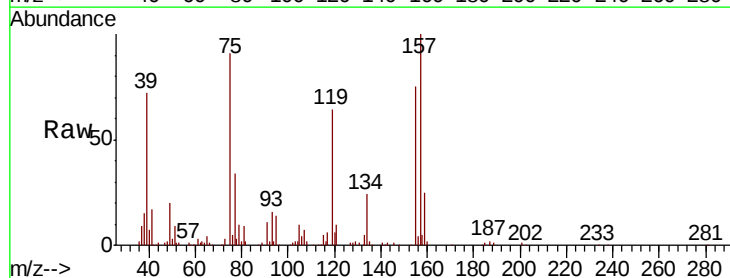
Tgt Ion: 75 Resp: 145253

Ion Ratio Lower Upper

75 100

155 82.5 29.3 87.8

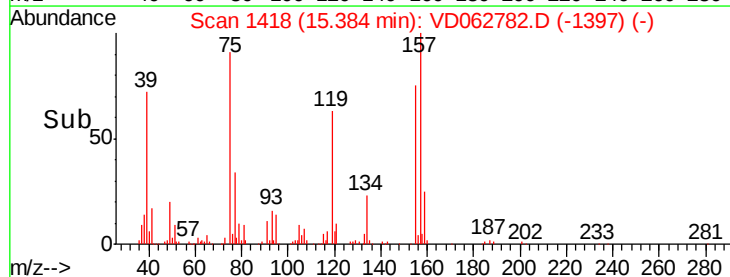
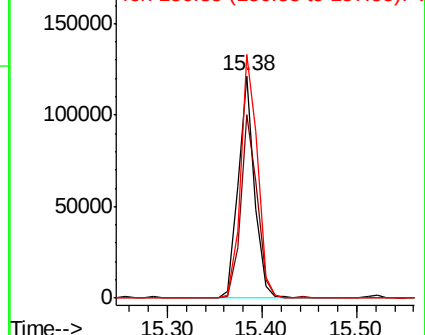
157 109.5 41.3 123.7

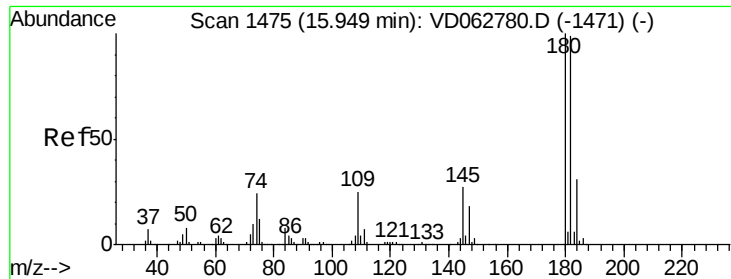


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

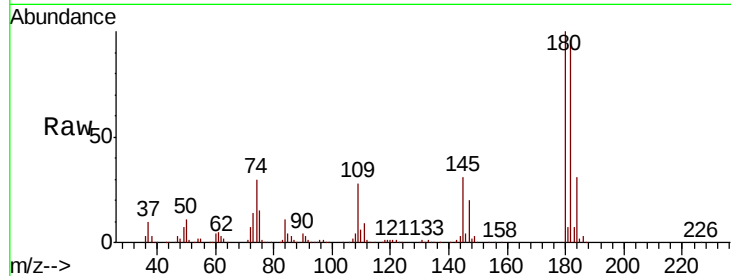




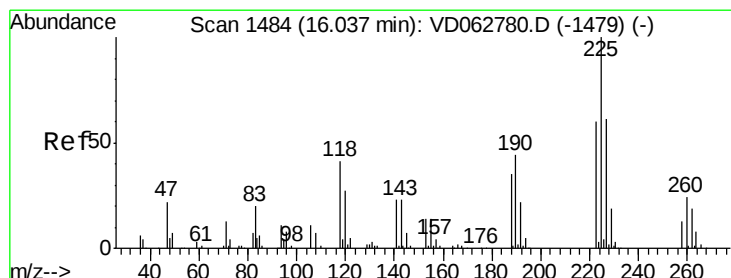
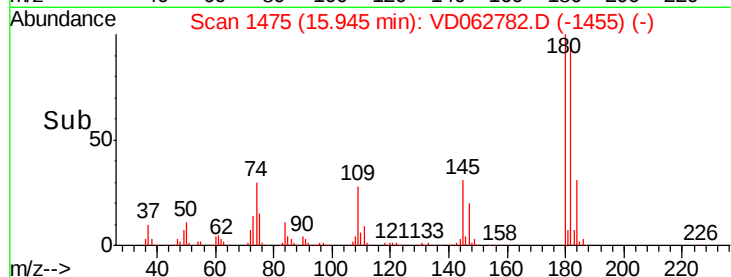
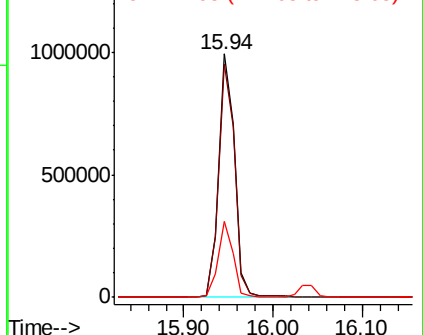
#93
 1,2,4-Trichlorobenzene
 Concen: 93.466 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1242894
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.5 148.5
 145 31.3 13.7 41.0

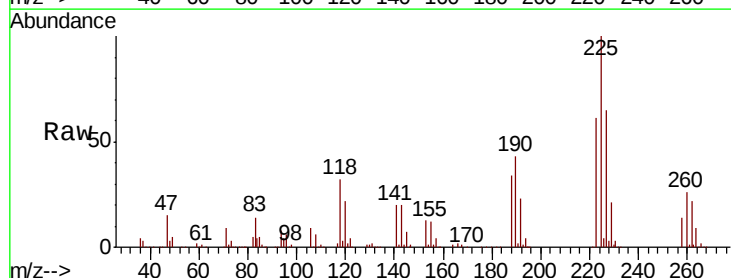


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

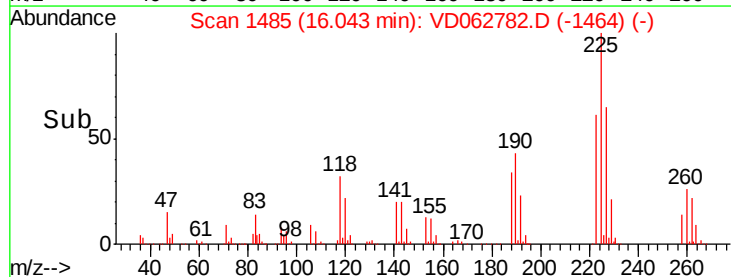
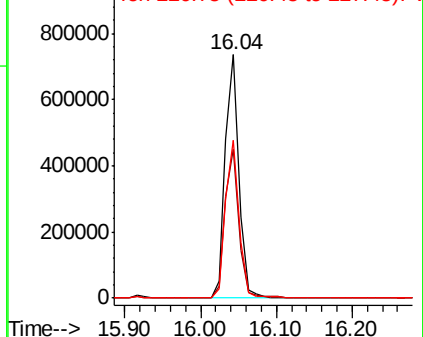


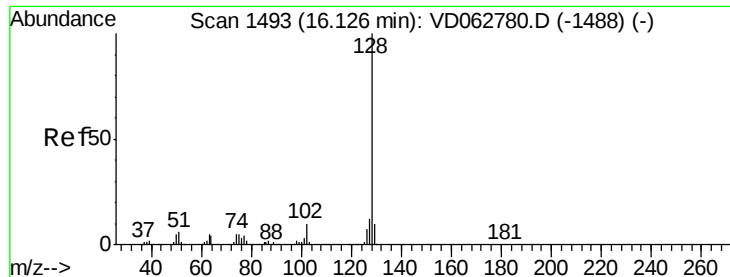
#94
 Hexachlorobutadiene
 Concen: 91.950 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:225 Resp: 934119
 Ion Ratio Lower Upper
 225 100
 223 61.3 29.8 89.5
 227 65.1 30.6 91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 95.562 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

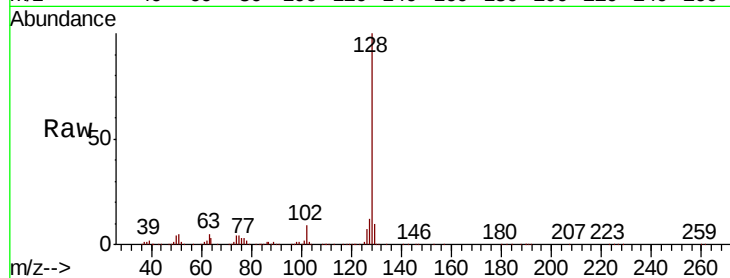
Tot Ion:128 Resp: 1781111

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

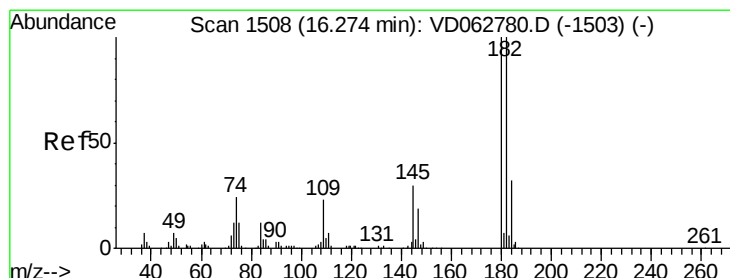
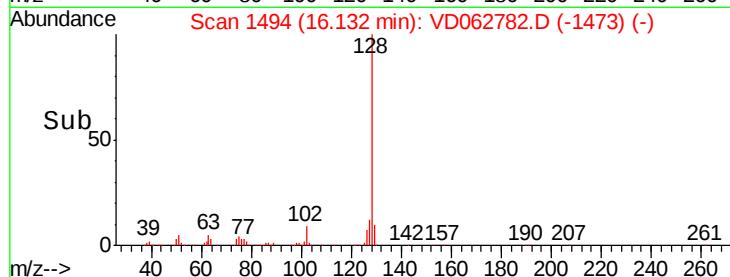
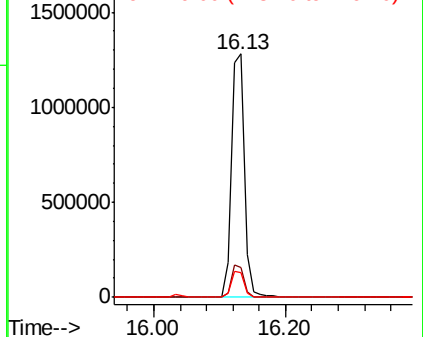
129 10.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 94.303 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

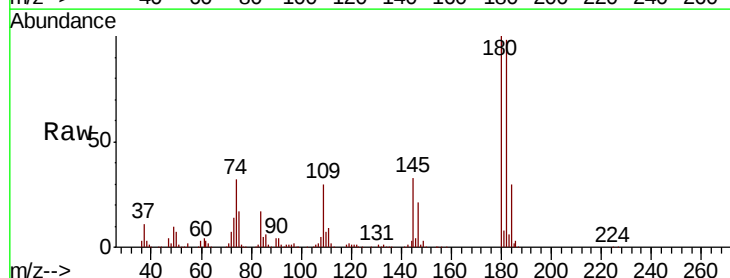
Tgt Ion:180 Resp: 963516

Ion Ratio Lower Upper

180 100

182 98.0 49.9 149.6

145 33.1 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

