

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 01:51:16 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	1902062m	95.624	ug/l	

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 VSTDICC100

Quant Time: Jun 20 01:51:16 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)
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

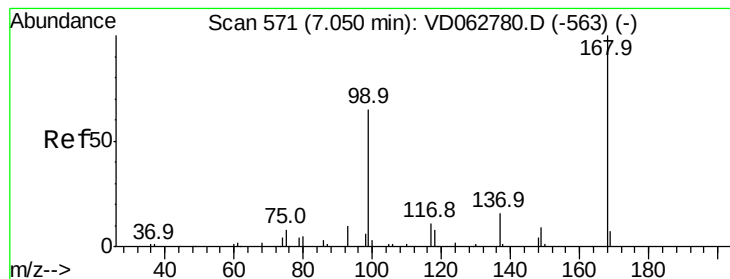
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061919\
Data File : VD062782.D
Acq On : 19 Jun 2019 16:34
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
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Response 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



#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 :

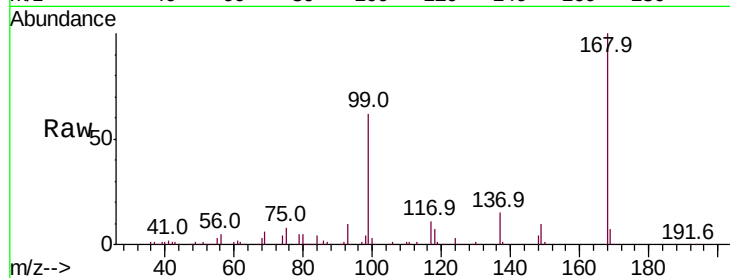
VSTDIC100

Tot Ion:168 Resp: 1005240

Ion Ratio Lower Upper

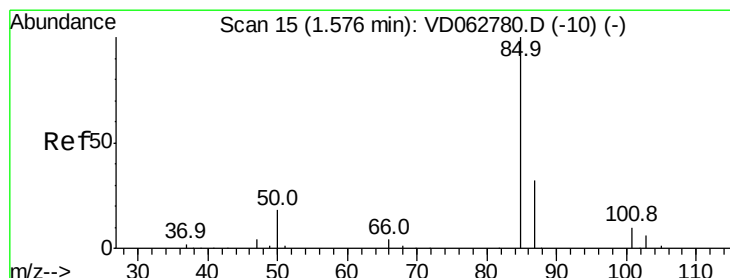
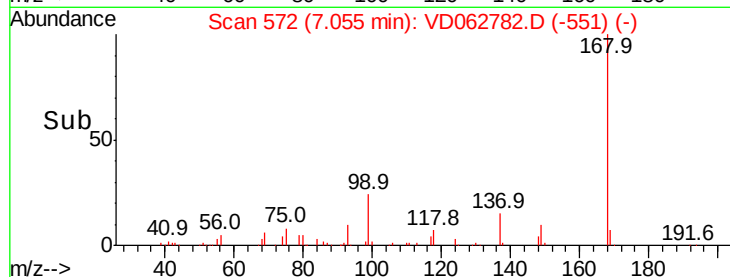
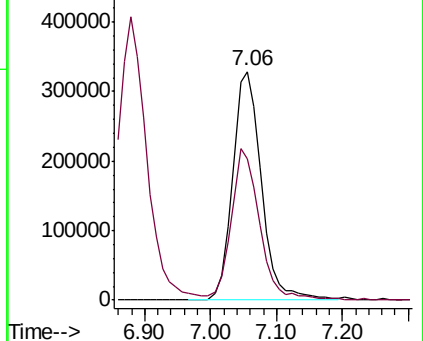
168 100

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

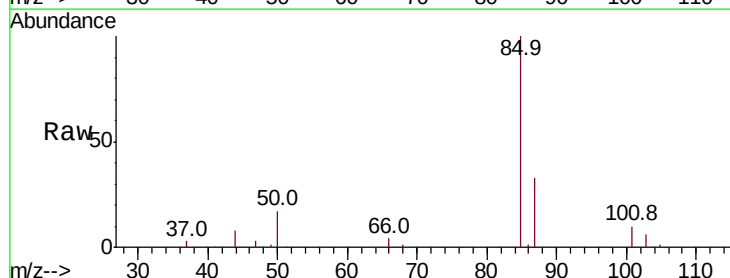
Acq: 19 Jun 2019 16:34

Tgt Ion: 85 Resp: 1240251

Ion Ratio Lower Upper

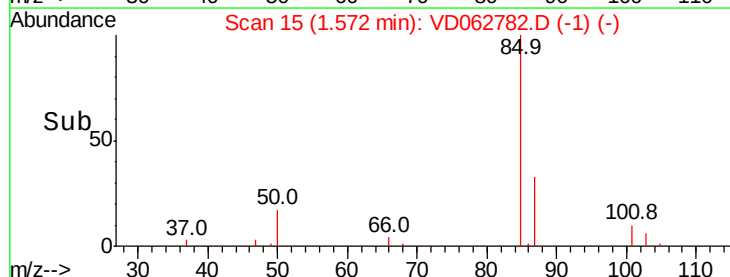
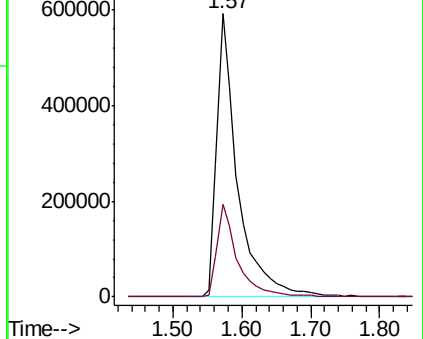
85 100

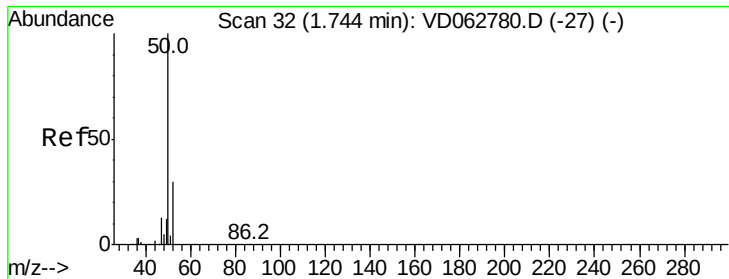
87 32.8 15.9 47.6



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 :

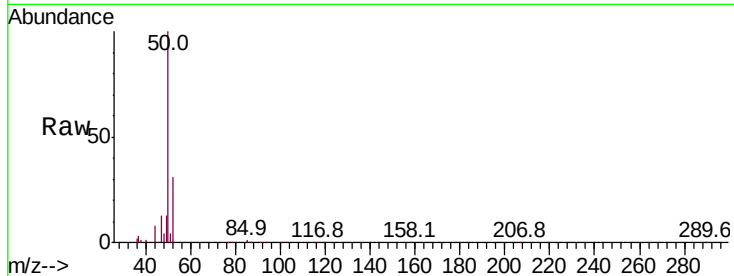
VSTDIC100

Tot Ion: 50 Resp: 886467

Ion Ratio Lower Upper

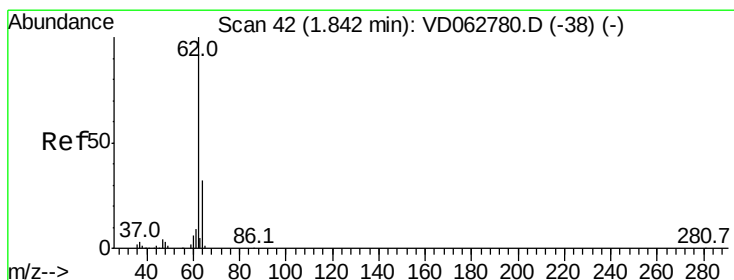
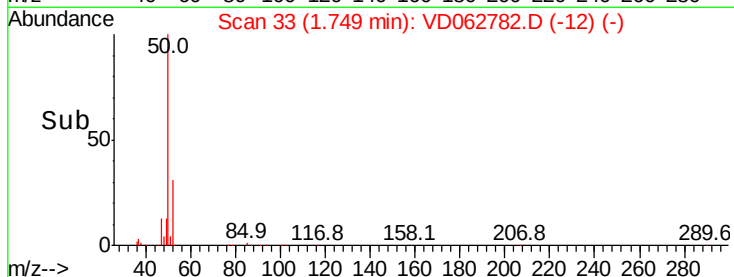
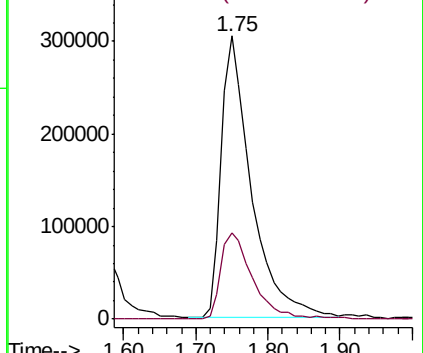
50 100

52 30.6 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 98.223 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062782.D

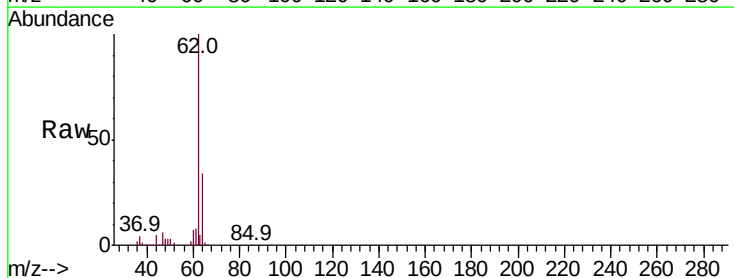
Acq: 19 Jun 2019 16:34

Tgt Ion: 62 Resp: 953657

Ion Ratio Lower Upper

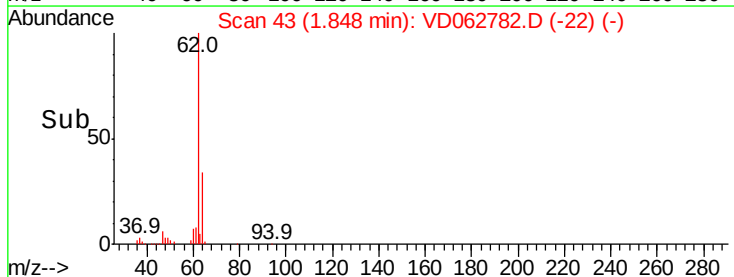
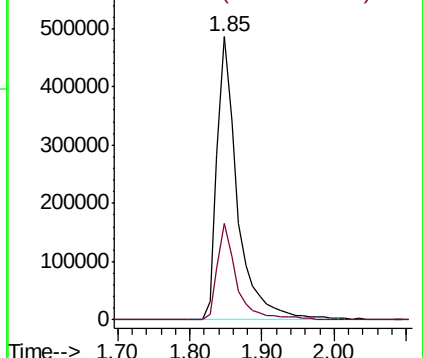
62 100

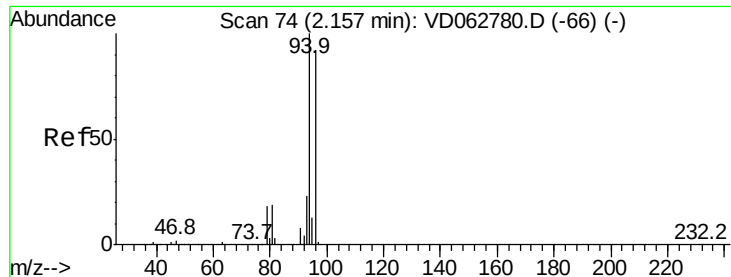
64 34.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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

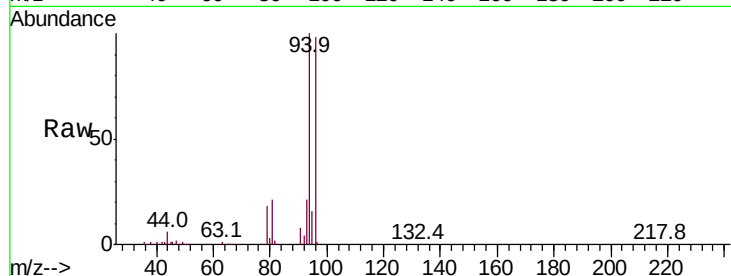
Tot Ion: 94 Resp: 376039

Ion Ratio Lower Upper

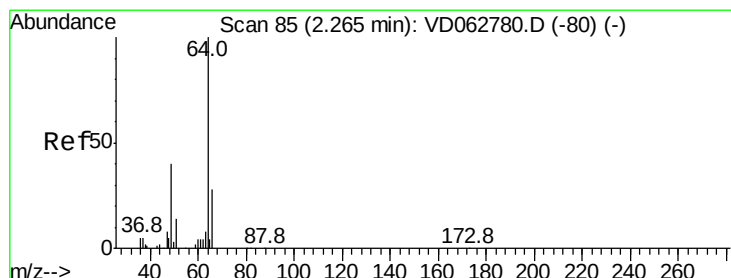
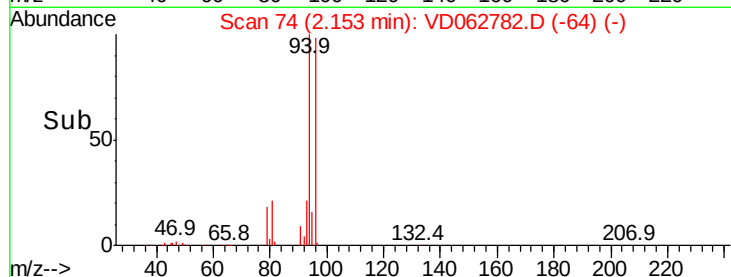
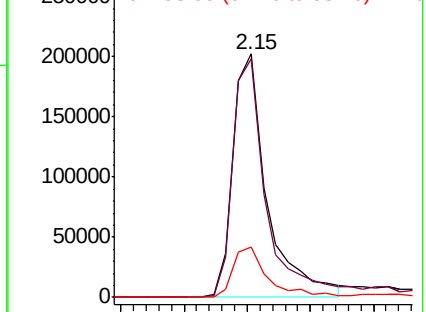
94 100

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

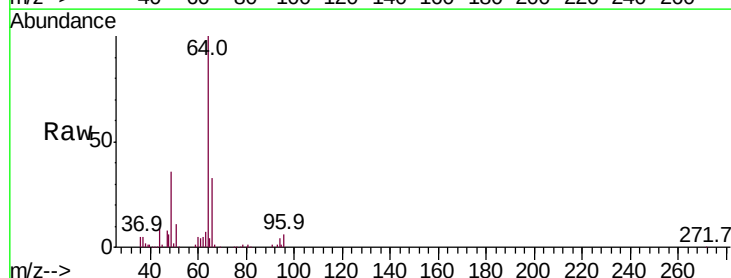
Acq: 19 Jun 2019 16:34

Tgt Ion: 64 Resp: 407066

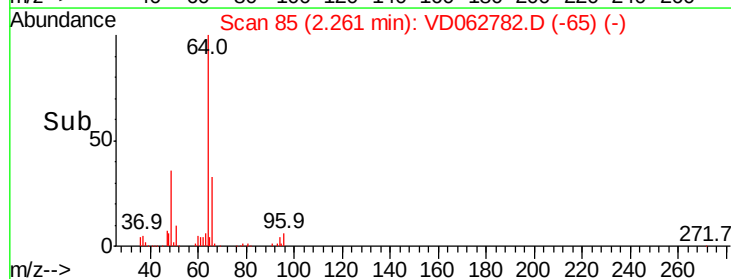
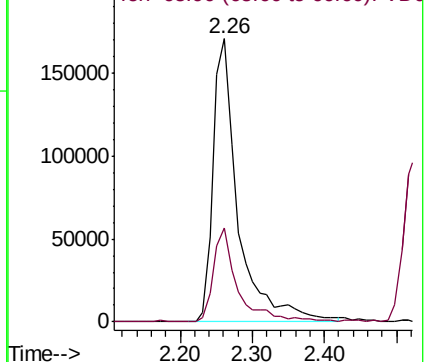
Ion Ratio Lower Upper

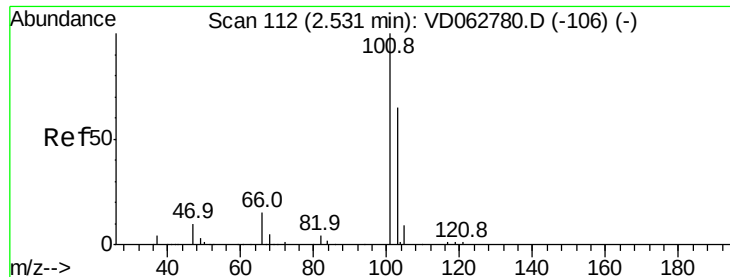
64 100

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



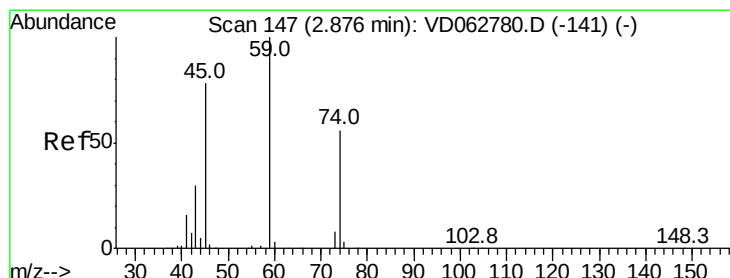
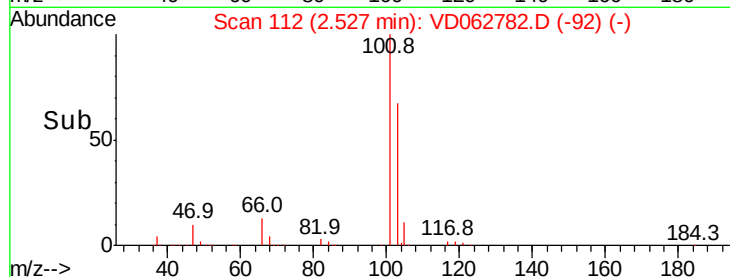
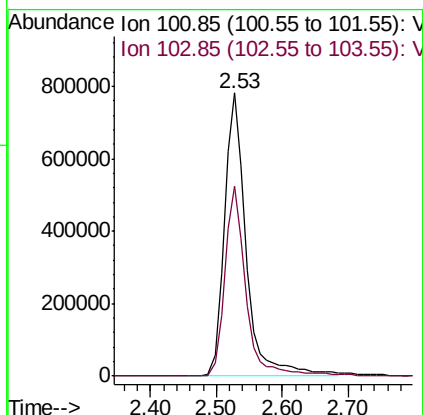
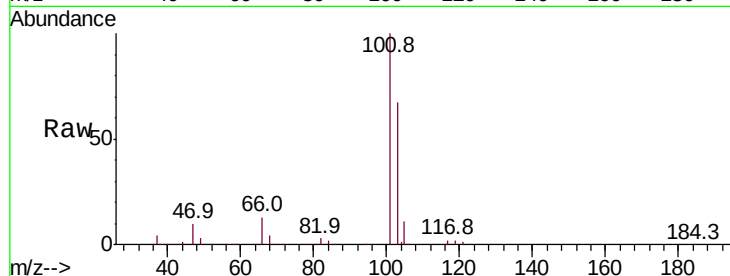


#7

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 :
MSVOA_D
ClientSampleId :
VSTDIC100

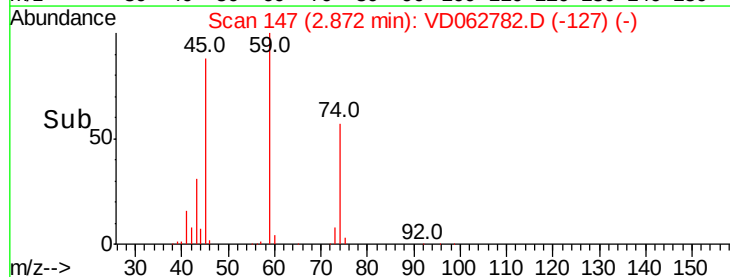
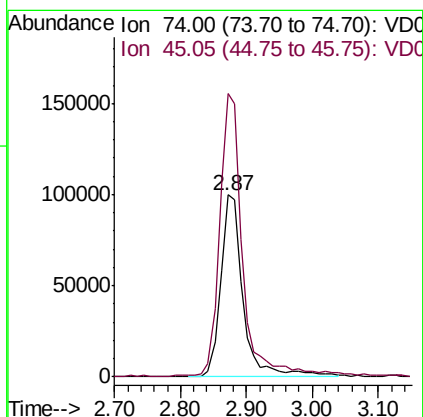
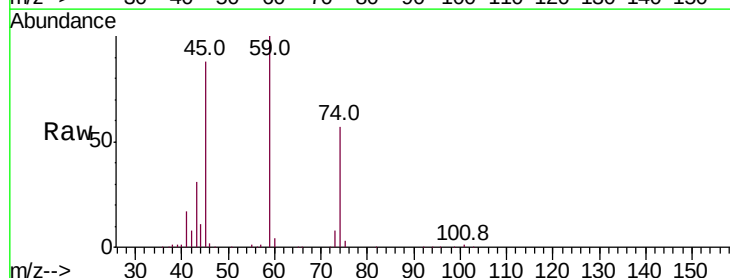
Tot Ion:101 Resp: 1808853
Ion Ratio Lower Upper
101 100
103 67.1 51.8 77.8

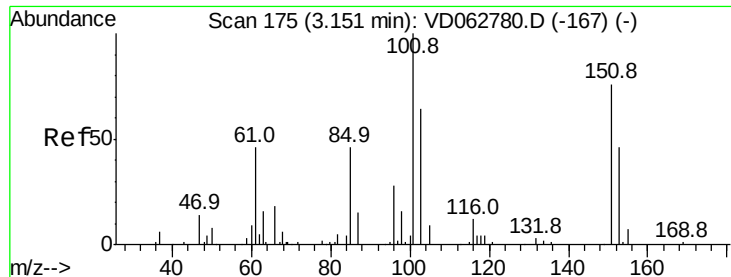


#8

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

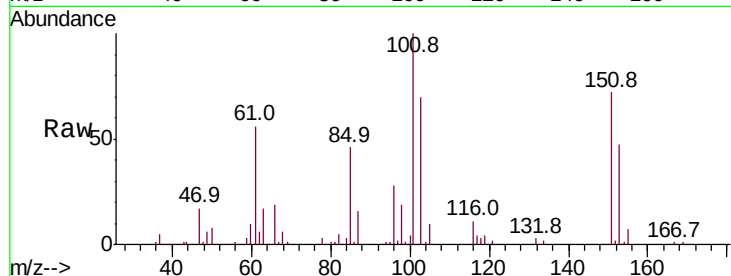
Tot Ion:101 Resp: 1046694

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.4

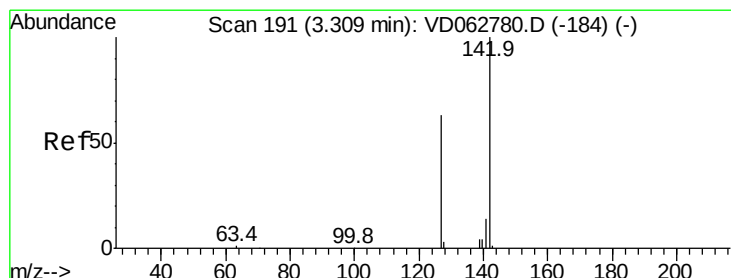
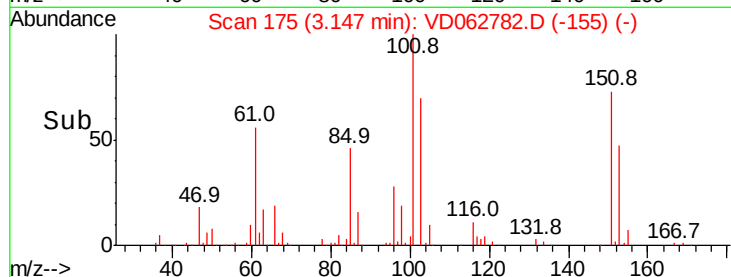
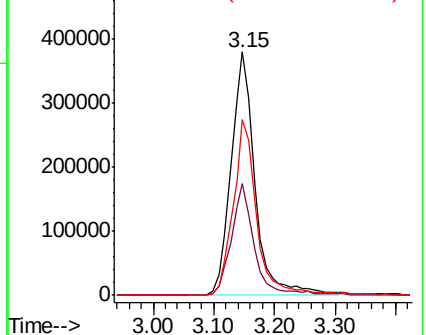
151 72.4 60.5 90.7



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

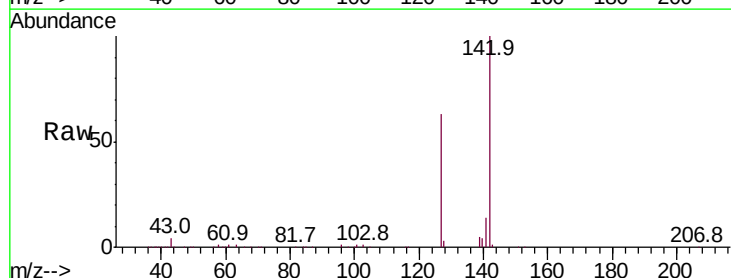
Tgt Ion:142 Resp: 1556444

Ion Ratio Lower Upper

142 100

127 63.2 50.1 75.1

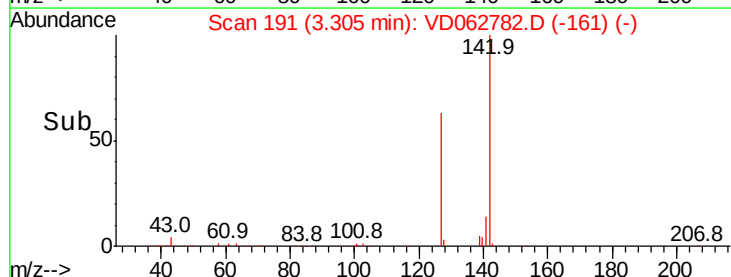
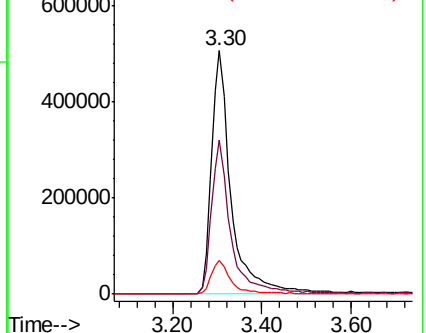
141 13.9 11.0 16.4

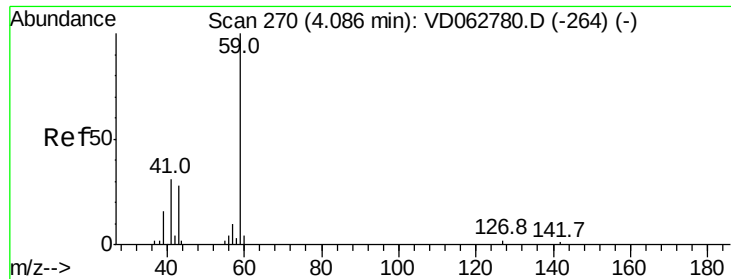


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



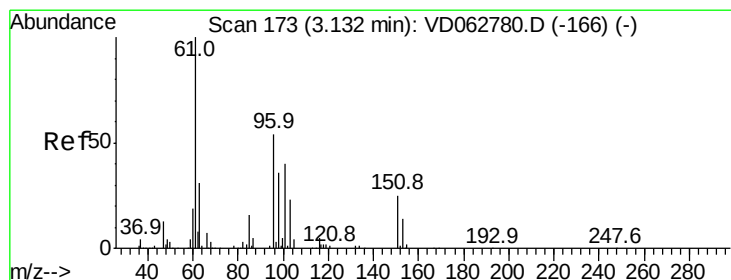
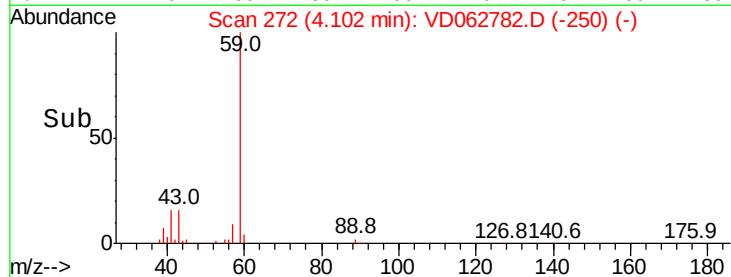
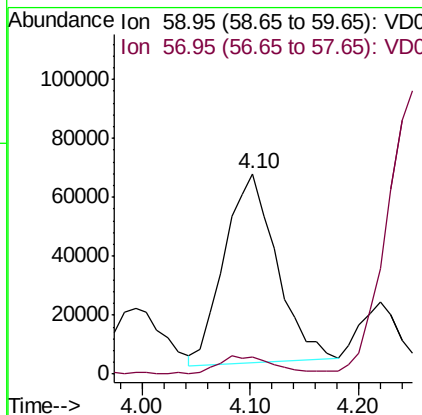
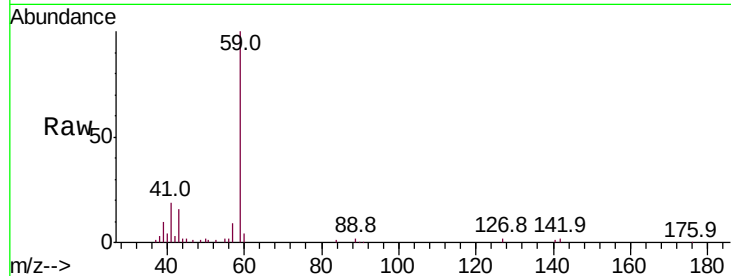


#11

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

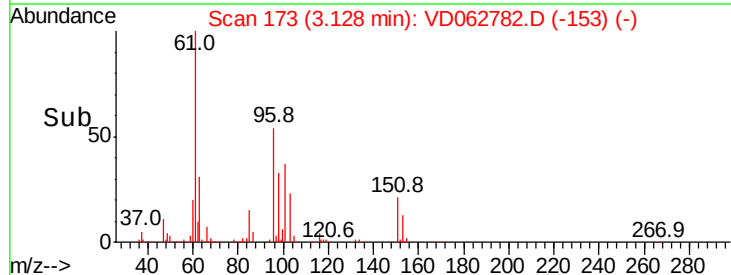
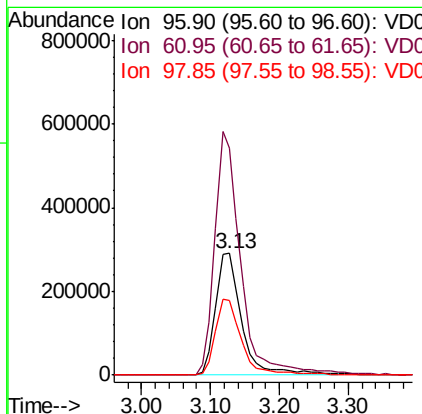
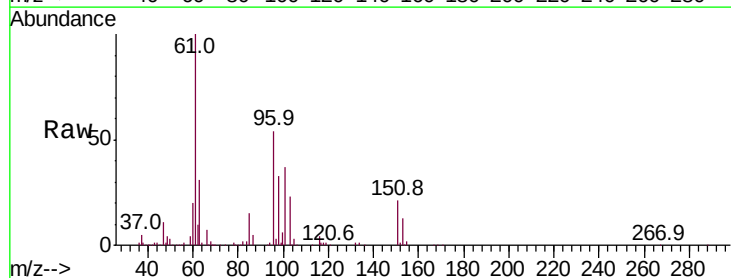
Tot Ion: 59 Resp: 215650
Ion Ratio Lower Upper
59 100
57 8.7 6.6 10.0

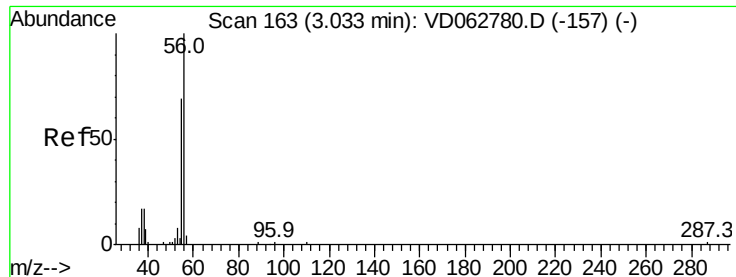


#12

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 :

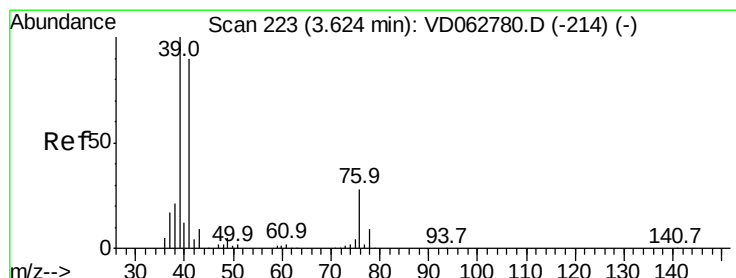
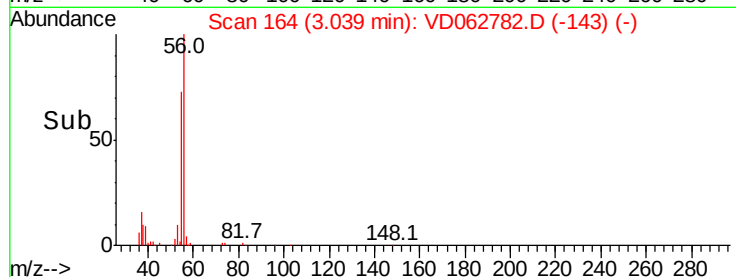
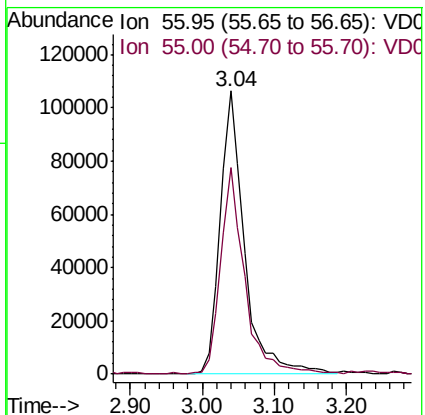
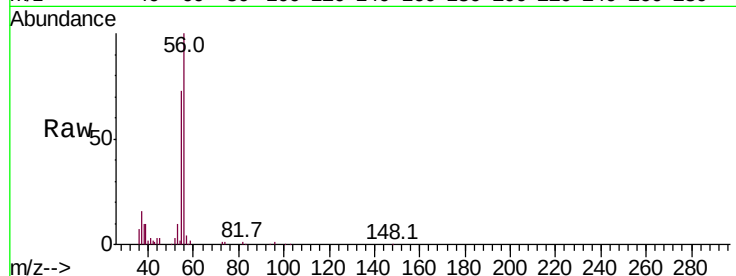
VSTDICC100

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

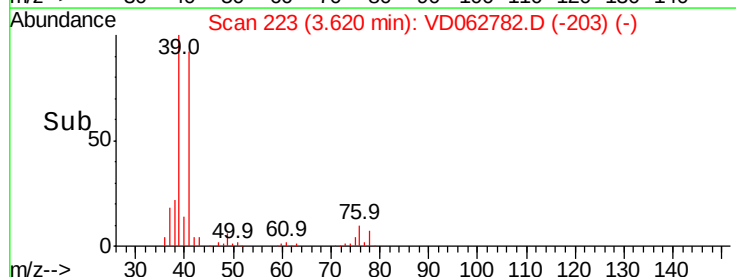
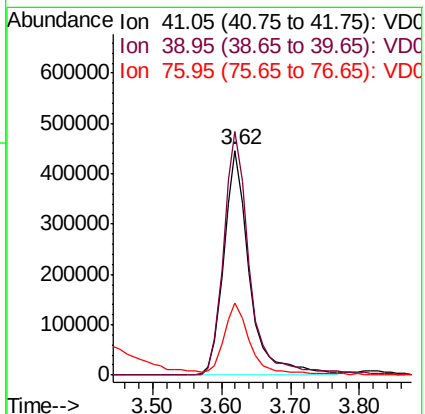
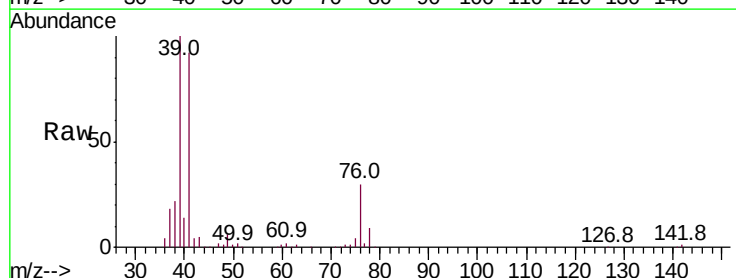
Tgt Ion: 41 Resp: 1144750

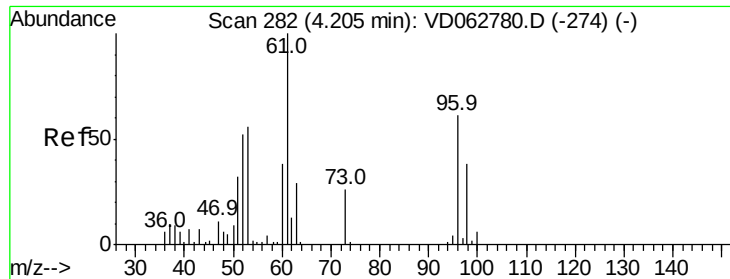
Ion Ratio Lower Upper

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

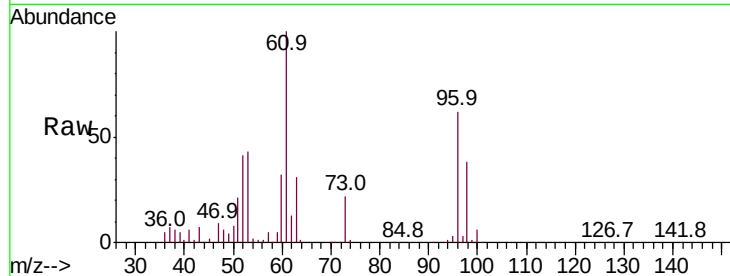
Tot Ion: 53 Resp: 610187

Ion Ratio Lower Upper

53 100

52 95.9 73.3 109.9

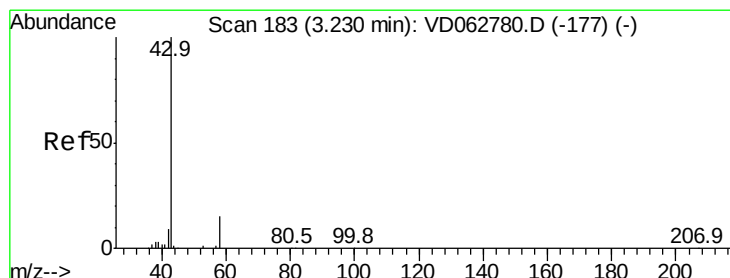
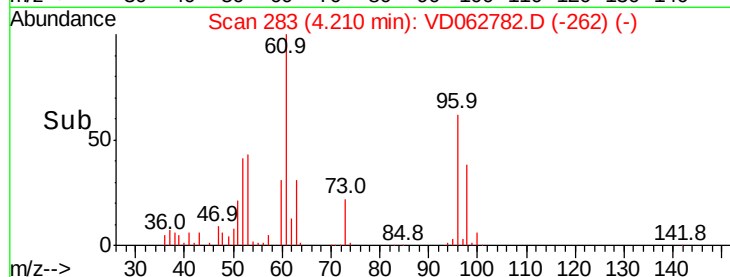
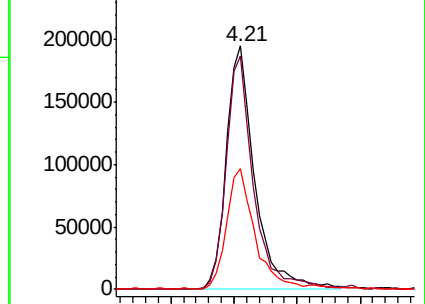
51 49.7 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 438.508 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062782.D

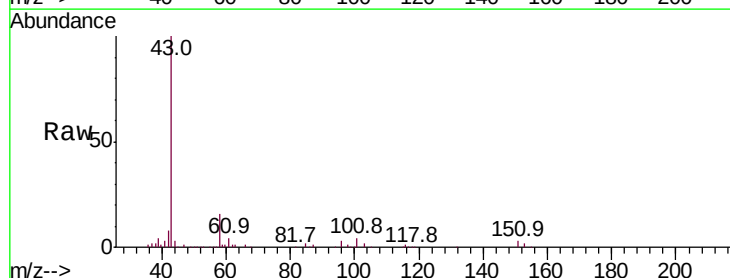
Acq: 19 Jun 2019 16:34

Tgt Ion: 43 Resp: 1073295

Ion Ratio Lower Upper

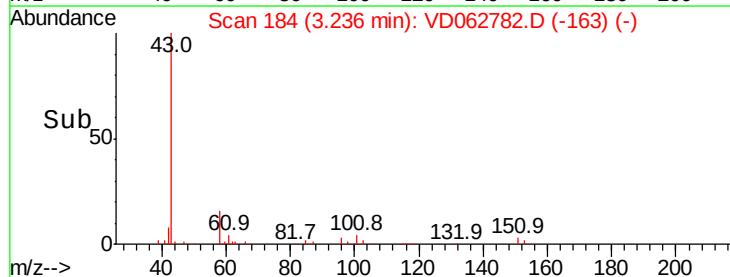
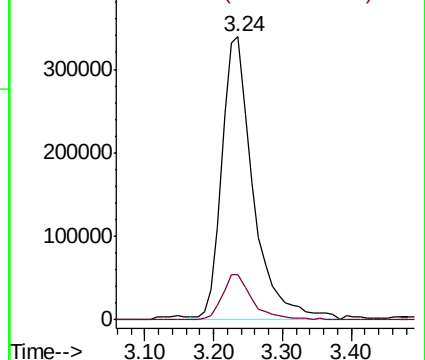
43 100

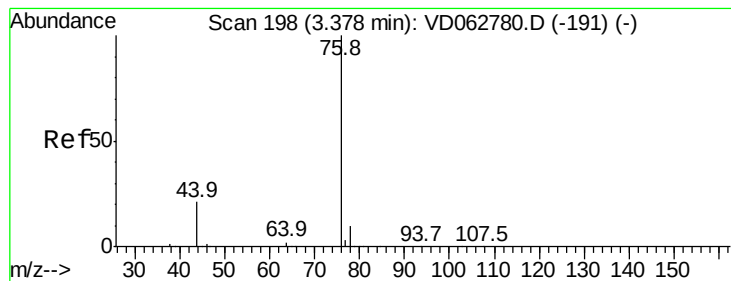
58 15.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#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 :

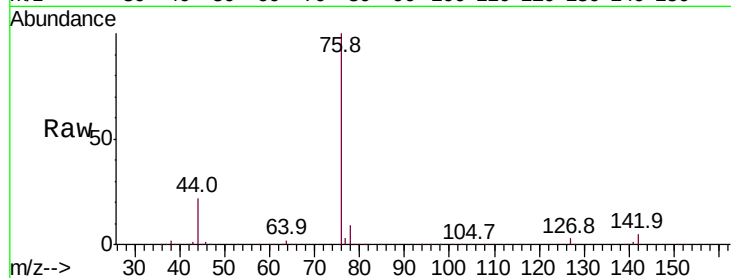
VSTDIC100

Tot Ion: 76 Resp: 2533848

Ion Ratio Lower Upper

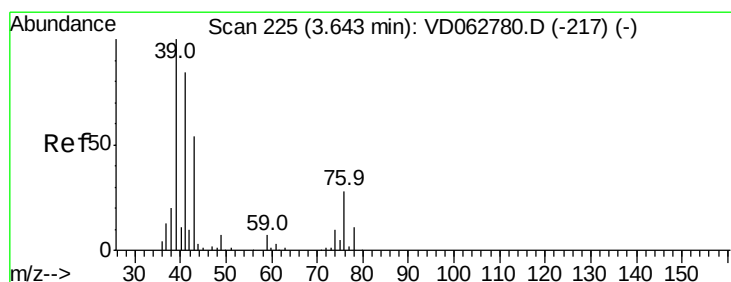
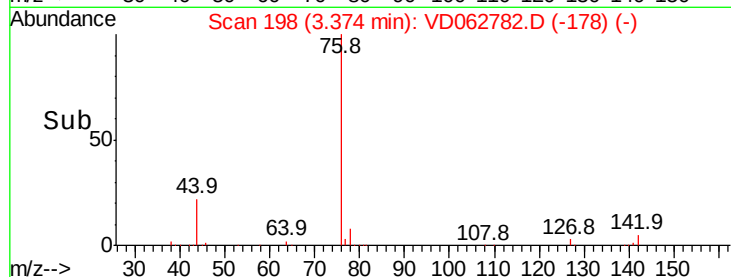
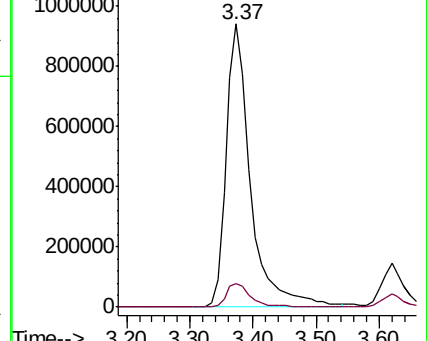
76 100

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

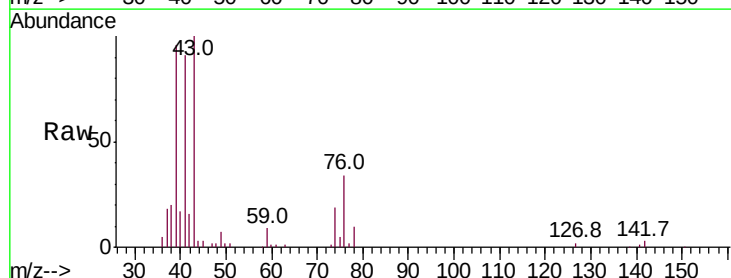
Acq: 19 Jun 2019 16:34

Tgt Ion: 43 Resp: 320621

Ion Ratio Lower Upper

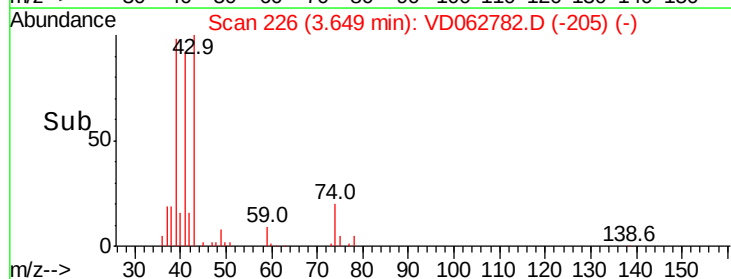
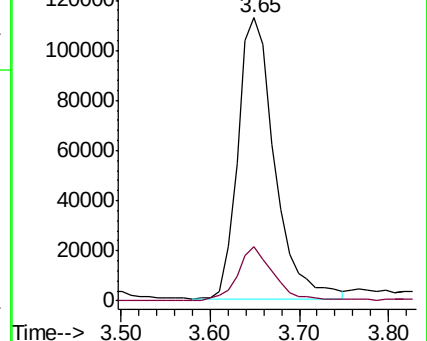
43 100

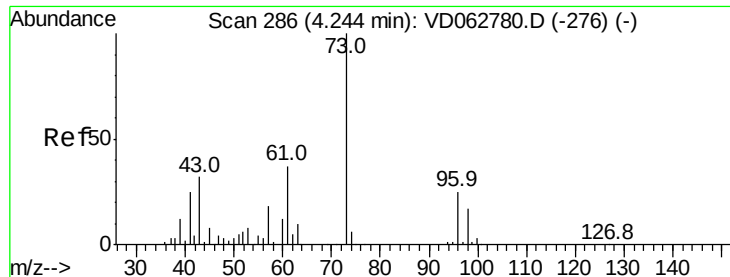
74 19.3 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



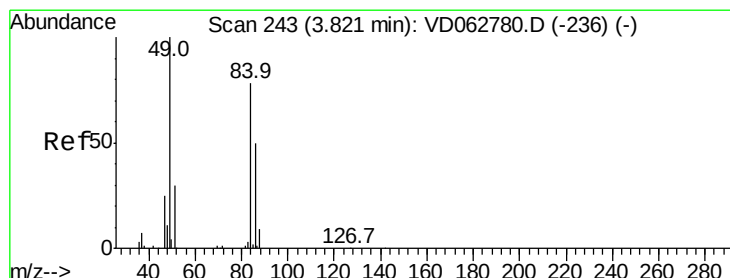
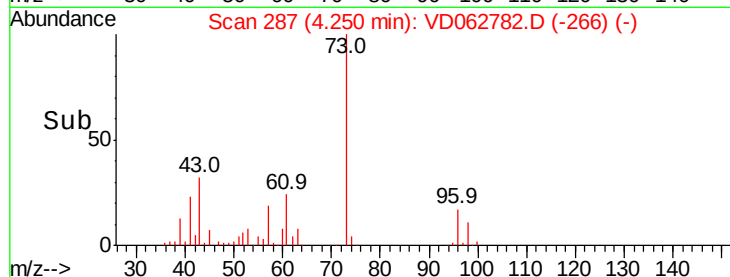
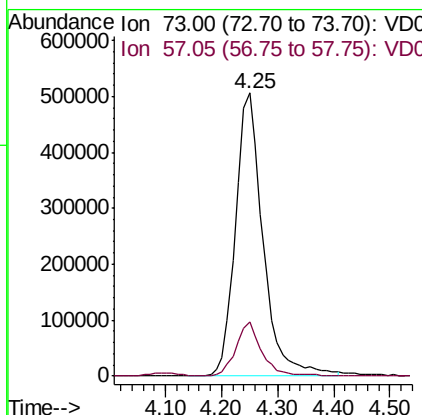
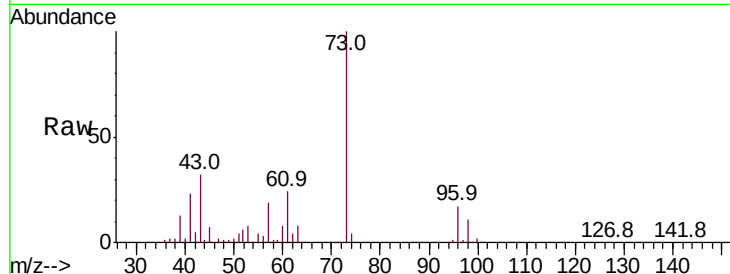


#19

Methyl tert-butyl 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

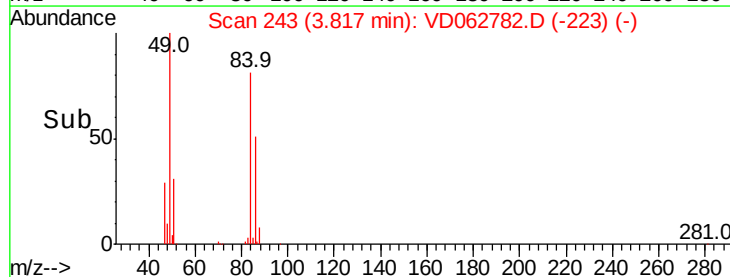
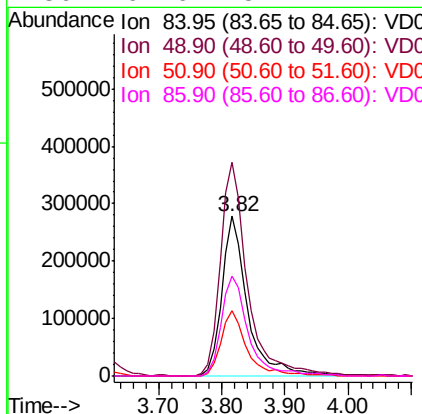
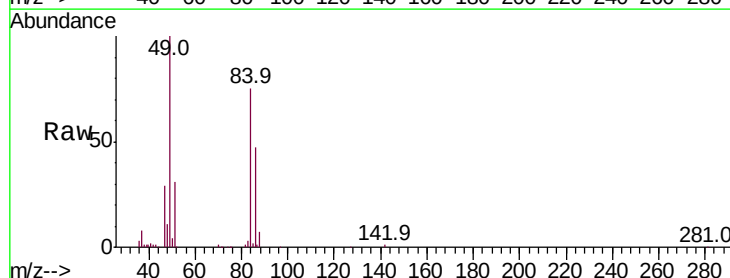
Tot Ion: 73 Resp: 1728503
 Ion Ratio Lower Upper
 73 100
 57 19.0 14.3 21.5

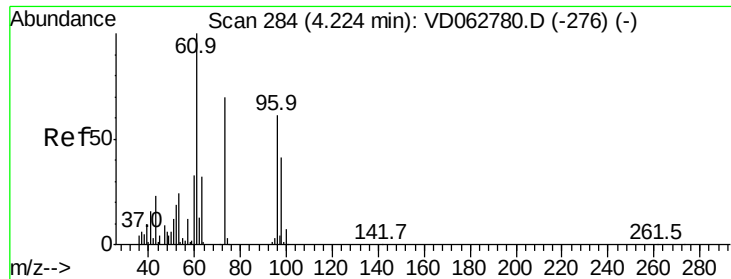


#20

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

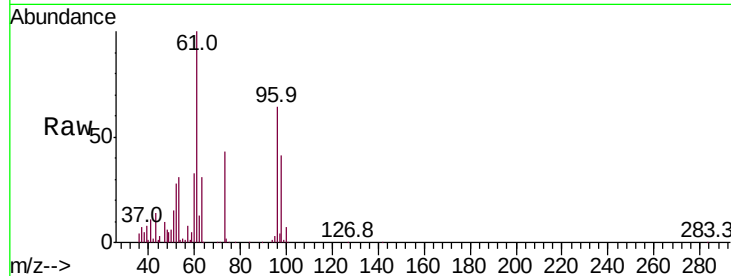
Tot Ion: 96 Resp: 881020

Ion Ratio Lower Upper

96 100

61 156.8 131.0 196.4

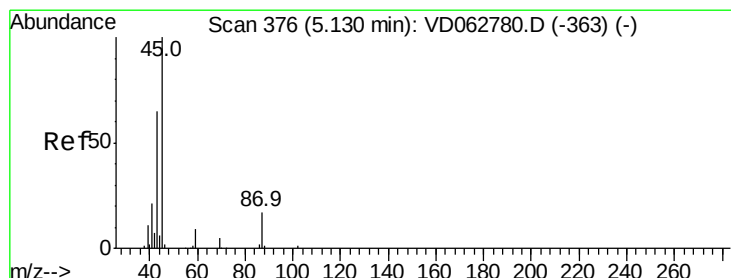
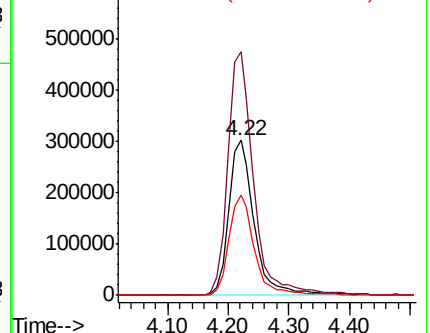
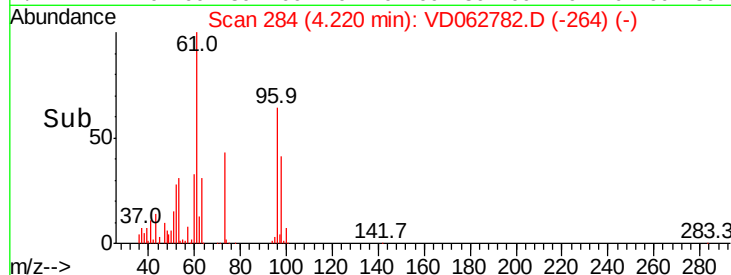
98 64.4 53.2 79.8



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



#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

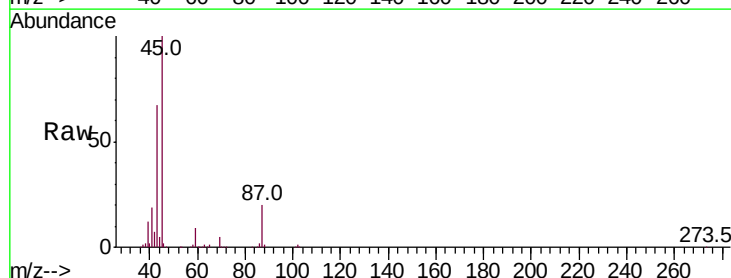
Ion Ratio Lower Upper

45 100

43 66.5 53.4 80.0

87 19.7 14.6 22.0

59 9.0 7.8 11.8

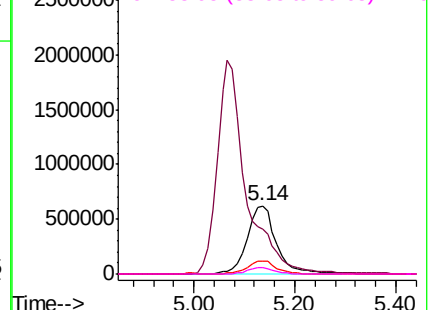
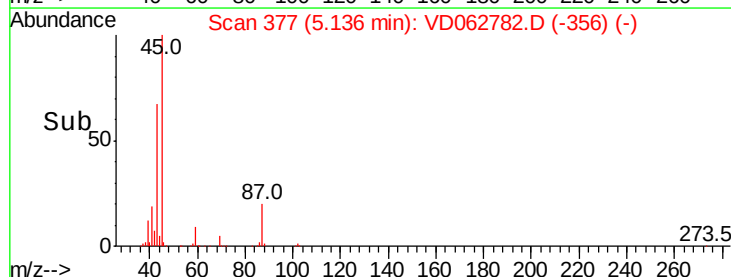


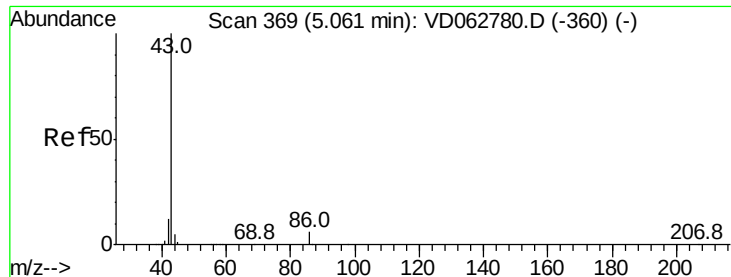
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#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 :

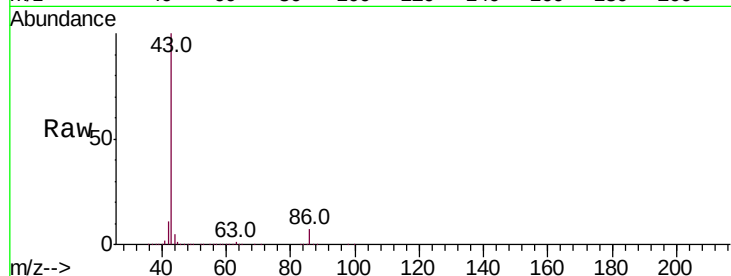
VSTDIC100

Tot Ion: 43 Resp: 7743450

Ion Ratio Lower Upper

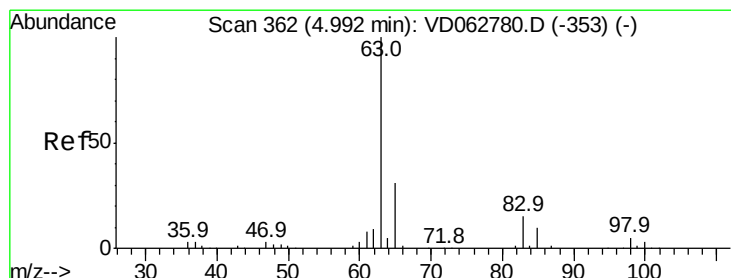
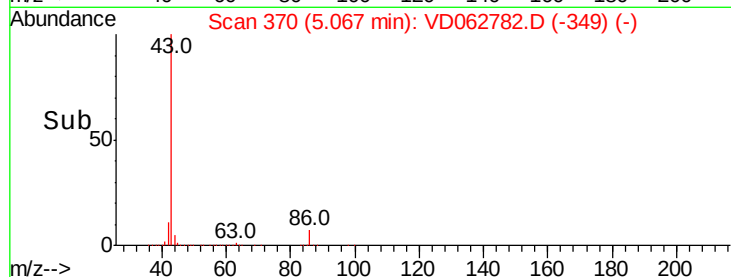
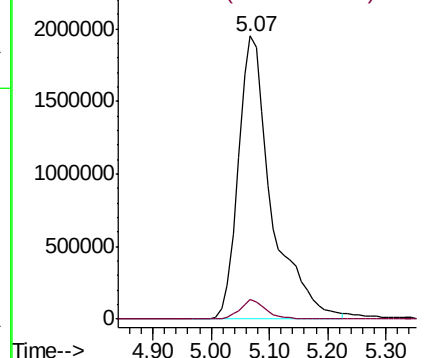
43 100

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

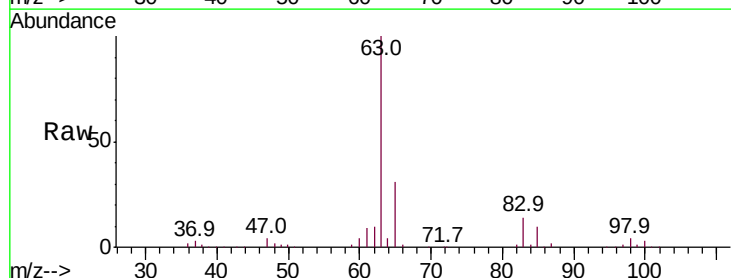
Tgt Ion: 63 Resp: 1566886

Ion Ratio Lower Upper

63 100

98 3.9 2.3 6.9

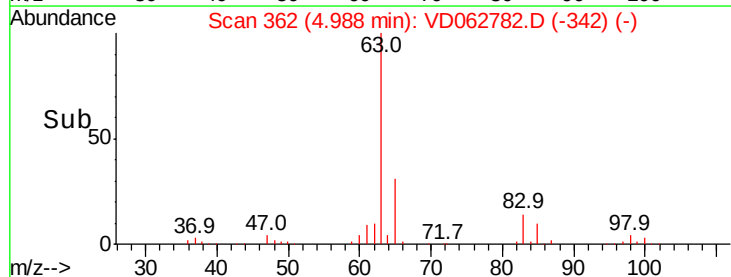
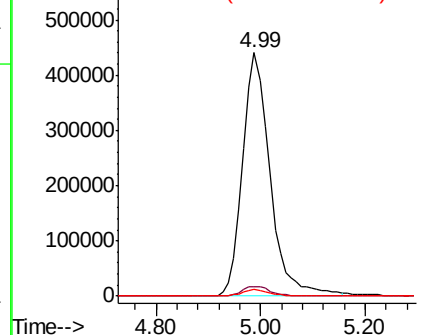
100 2.7 1.7 5.1

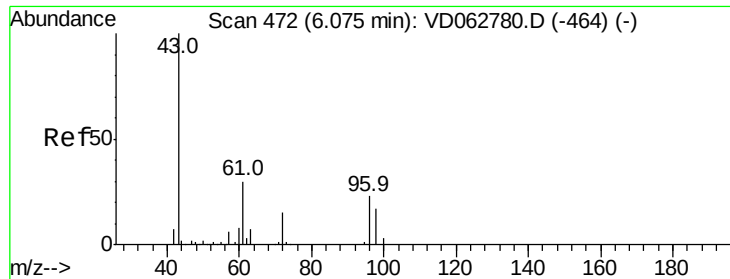


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

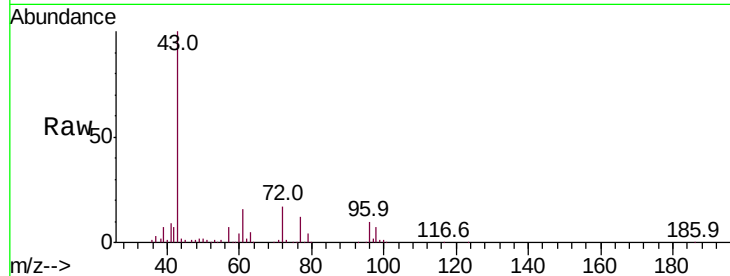
VSTDIC100

Tot Ion: 43 Resp: 1077085

Ion Ratio Lower Upper

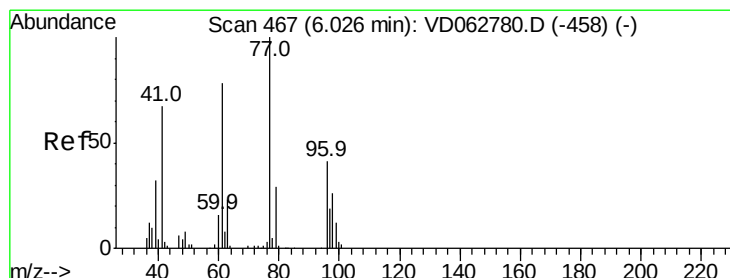
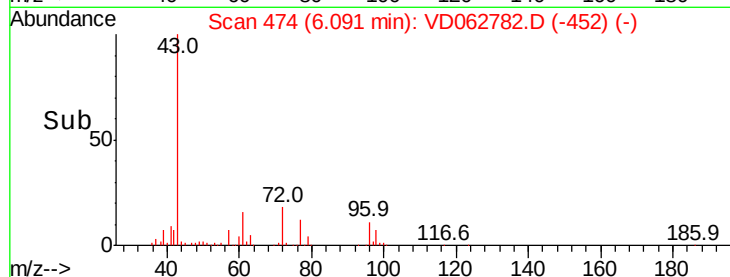
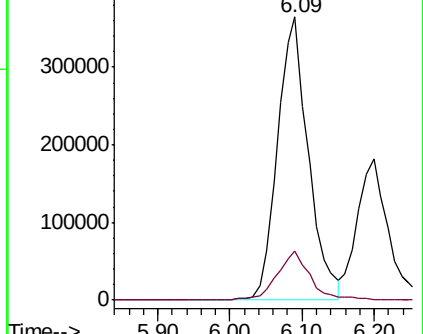
43 100

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



#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

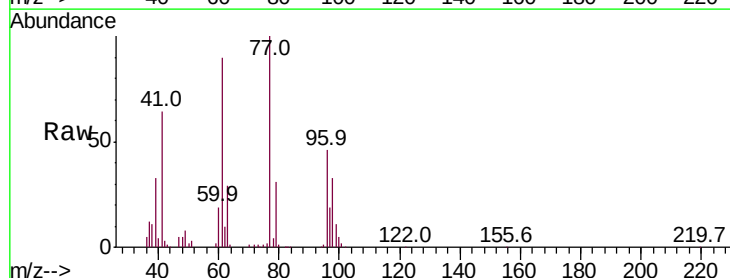
Acq: 19 Jun 2019 16:34

Tgt Ion: 77 Resp: 1629432

Ion Ratio Lower Upper

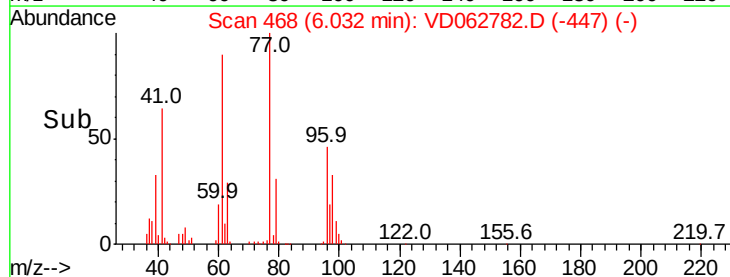
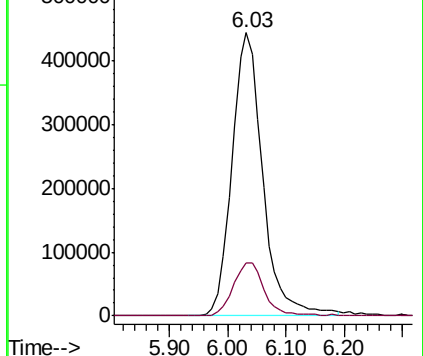
77 100

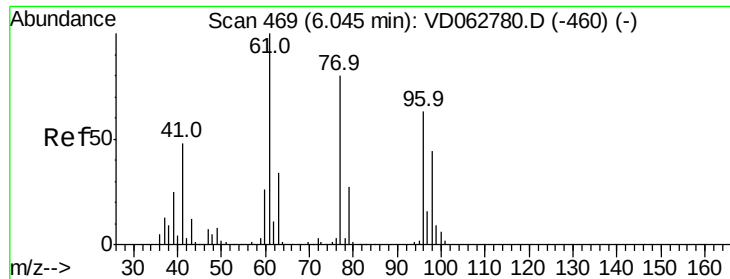
97 18.8 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#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

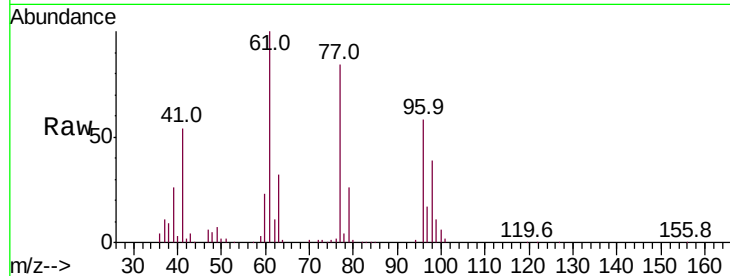
Tot Ion: 96 Resp: 893635

Ion Ratio Lower Upper

96 100

61 171.8 0.0 316.0

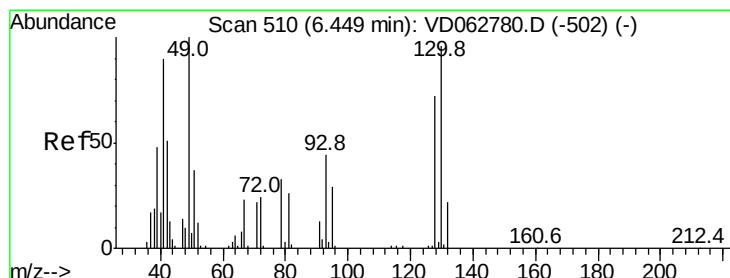
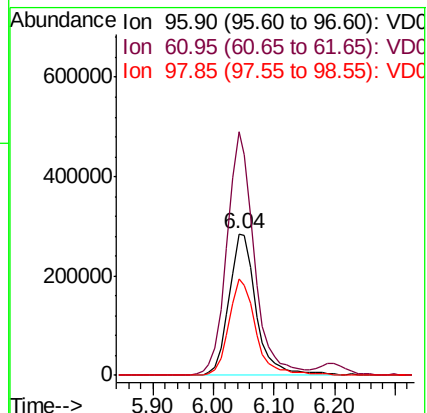
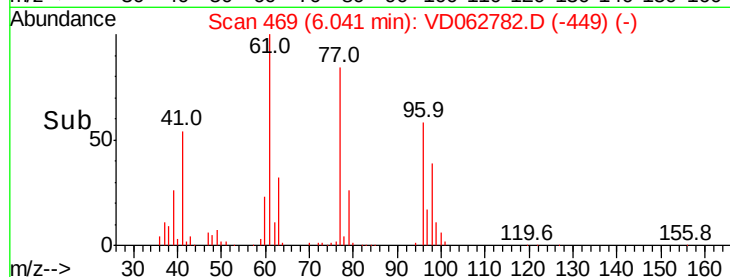
98 67.8 0.0 138.4



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

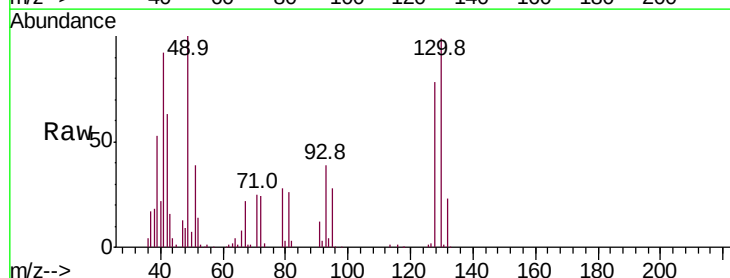
Tgt Ion: 49 Resp: 568048

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

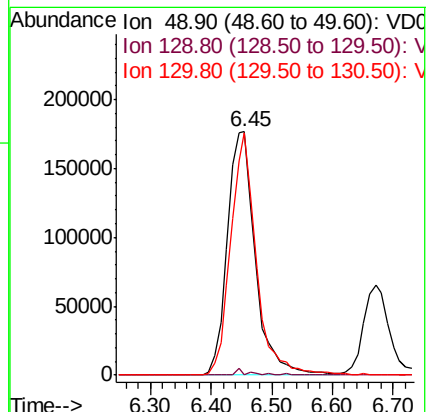
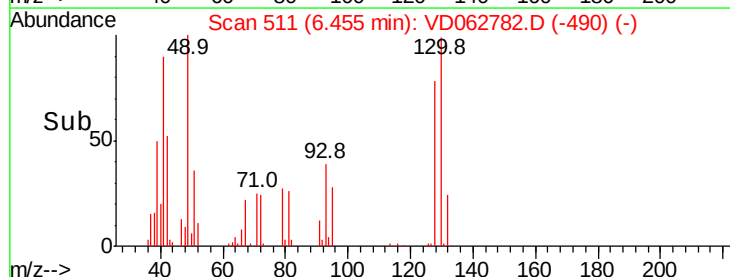
130 99.3 76.6 114.8

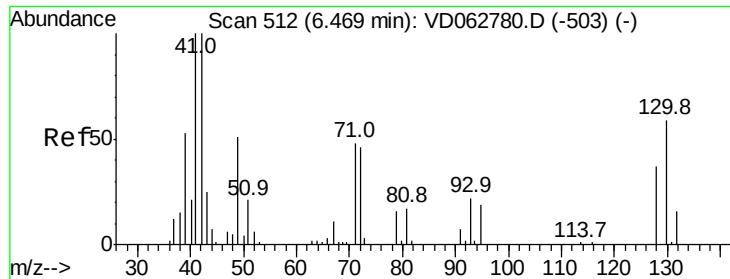


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#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

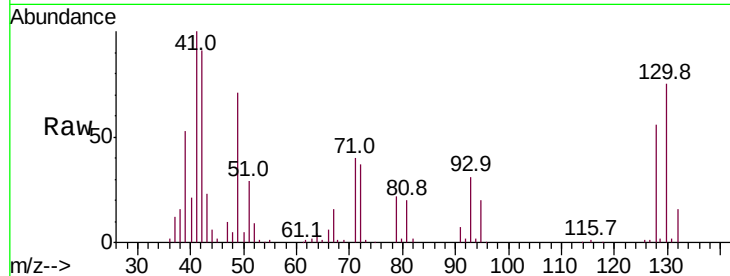
Tot Ion: 42 Resp: 502241

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.6

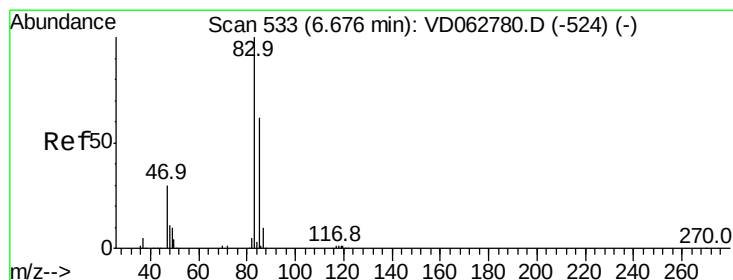
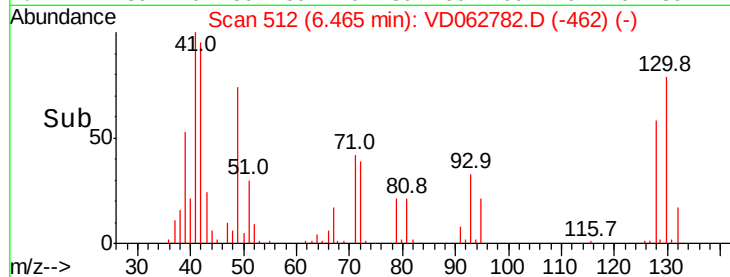
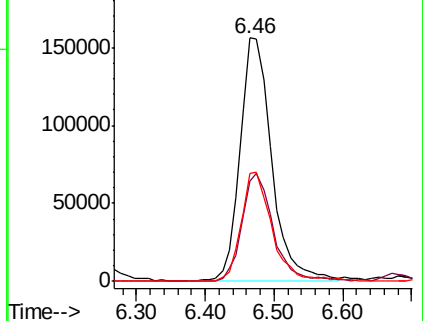
71 43.3 33.3 49.9



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

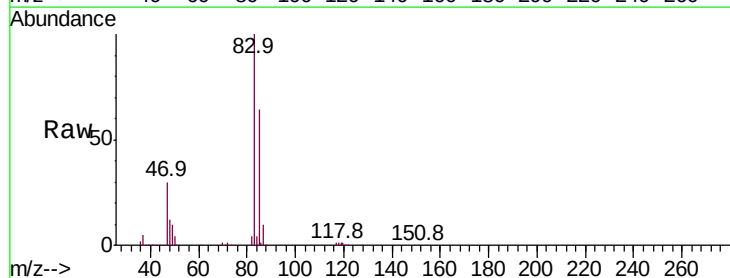
Acq: 19 Jun 2019 16:34

Tgt Ion: 83 Resp: 1912464

Ion Ratio Lower Upper

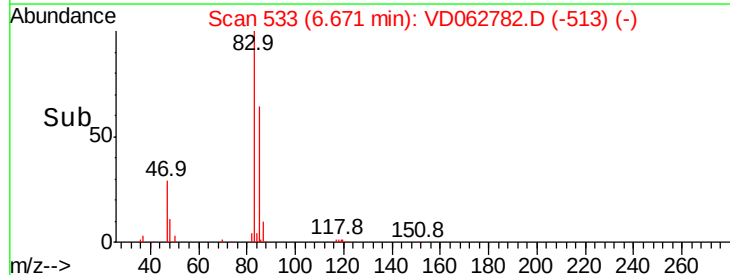
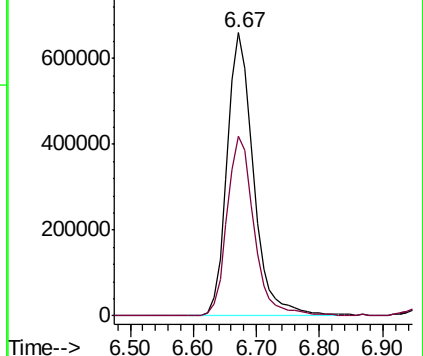
83 100

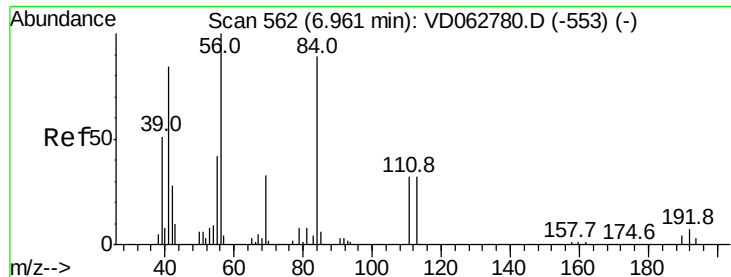
85 63.6 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

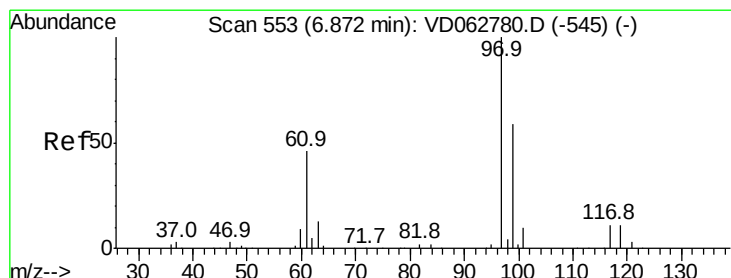
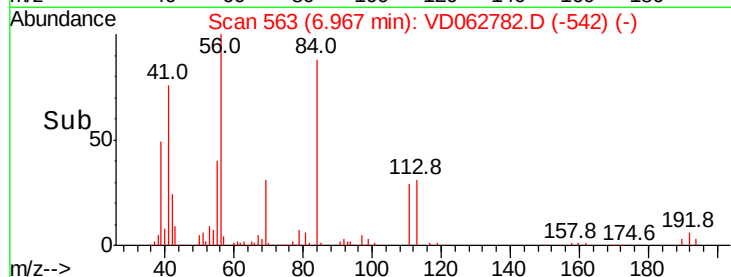
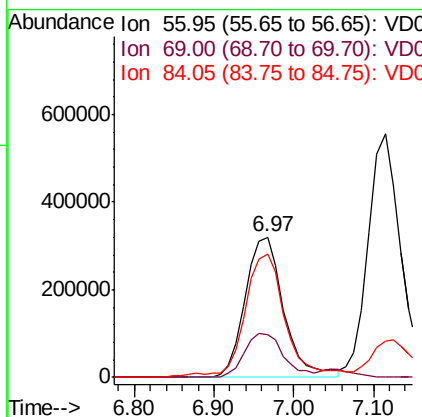
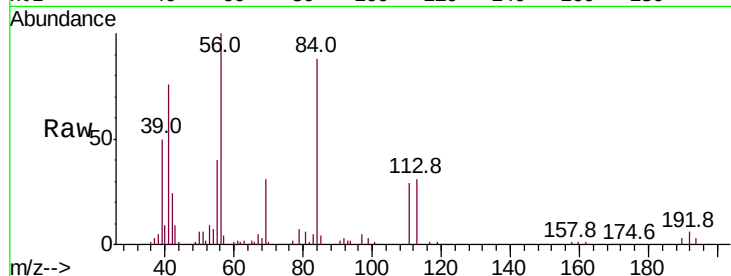




#31
Cyclohexane
Concen: 104.427 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

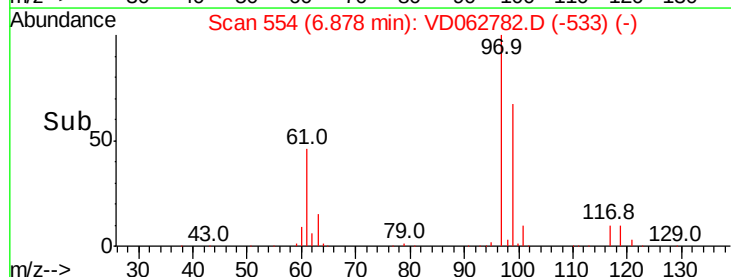
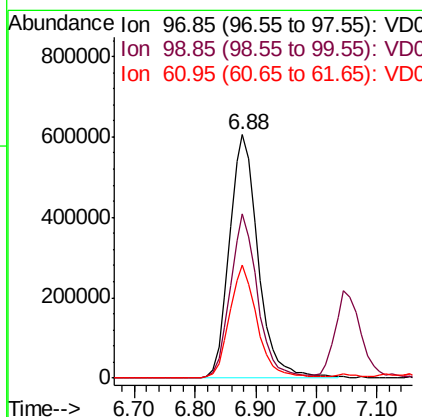
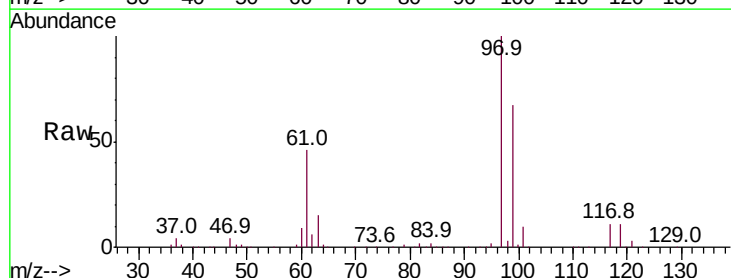
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

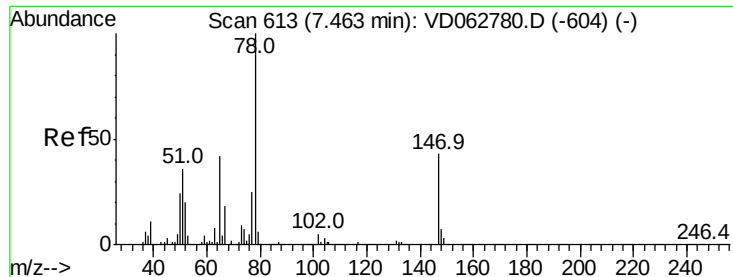
Tot Ion: 56 Resp: 1072507
Ion Ratio Lower Upper
56 100
69 30.6 26.6 39.8
84 88.4 75.5 113.3



#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





#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 :

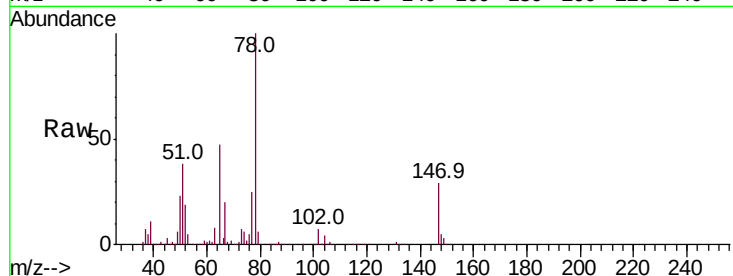
VSTDIC100

Tot Ion: 65 Resp: 1192274

Ion Ratio Lower Upper

65 100

67 42.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

400000

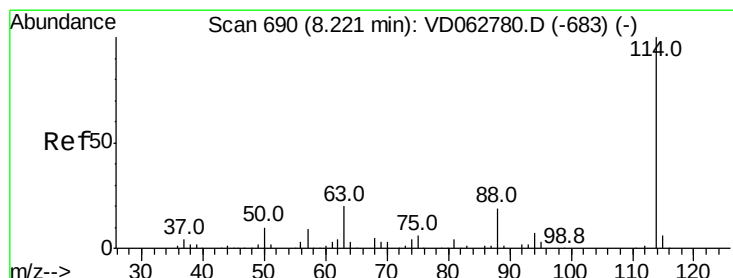
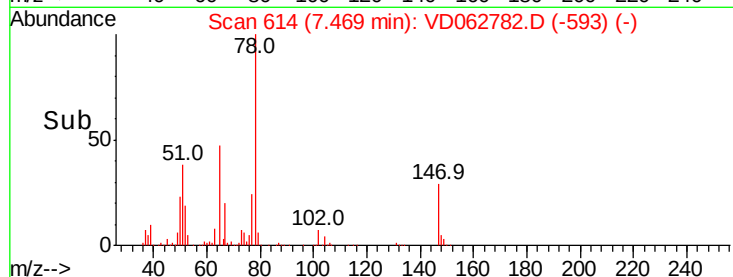
300000

200000

100000

0

Time-->



#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

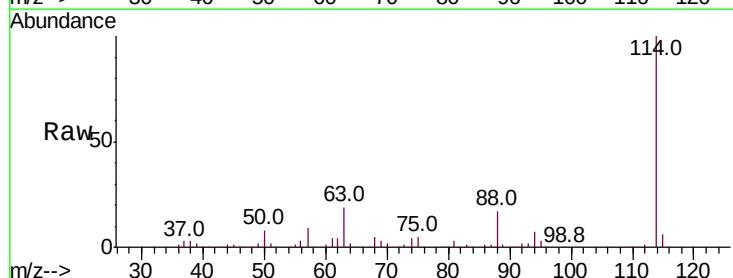
Tgt Ion: 114 Resp: 1371979

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 17.5 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

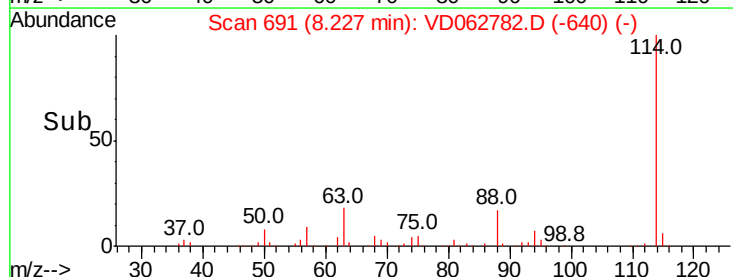
600000

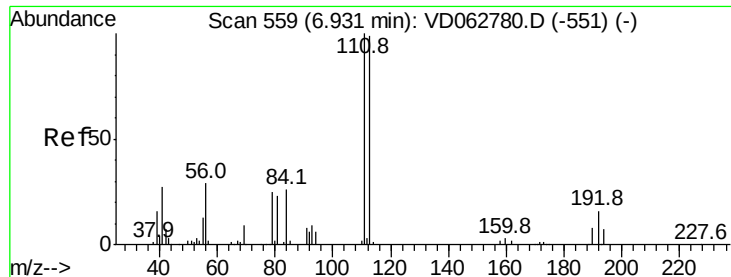
400000

200000

0

Time-->





#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

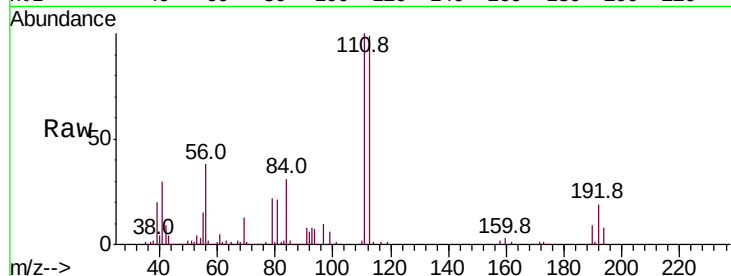
Tot Ion:113 Resp: 1255672

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

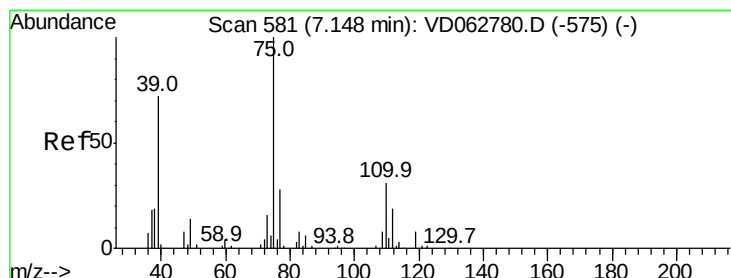
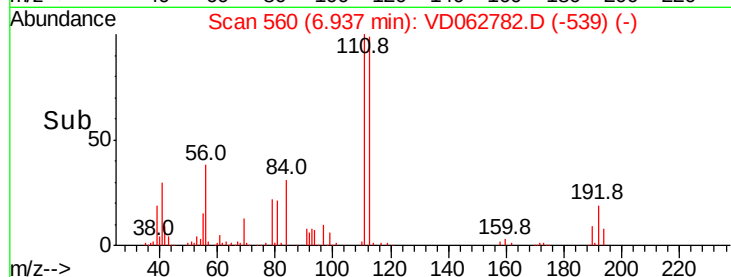
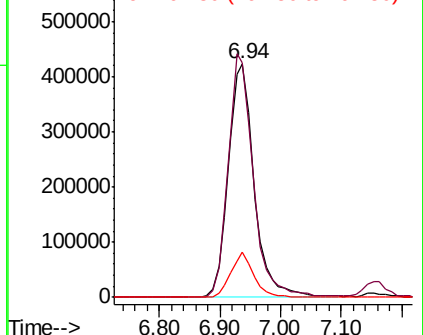
192 19.4 12.9 19.3#



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

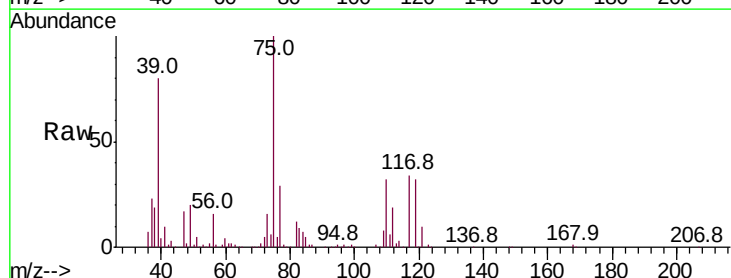
Tgt Ion: 75 Resp: 1274469

Ion Ratio Lower Upper

75 100

110 32.1 15.0 45.1

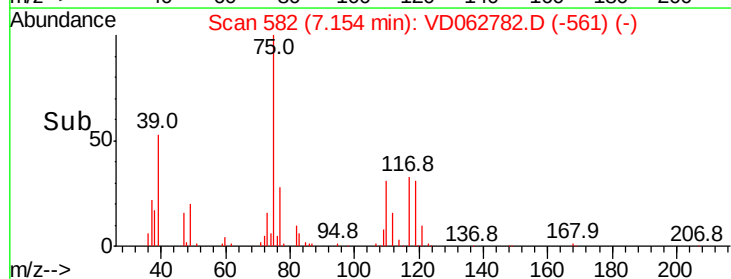
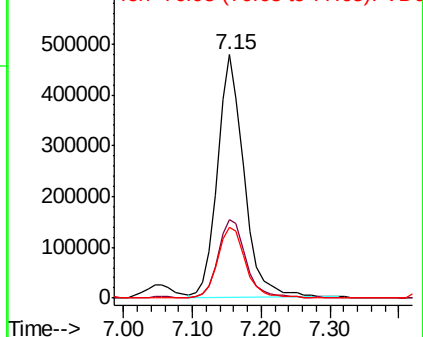
77 29.2 22.2 33.2

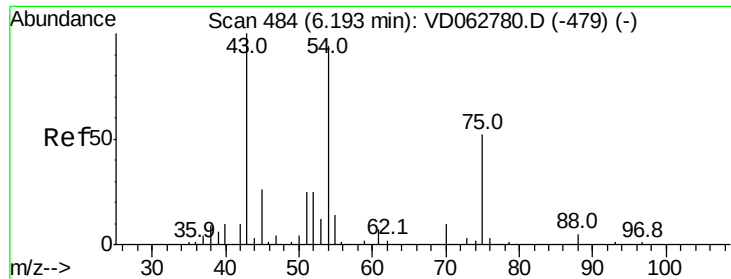


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

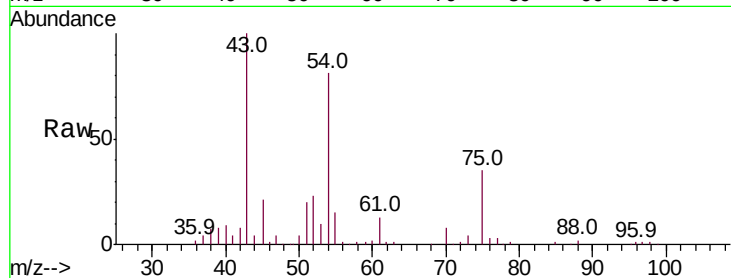




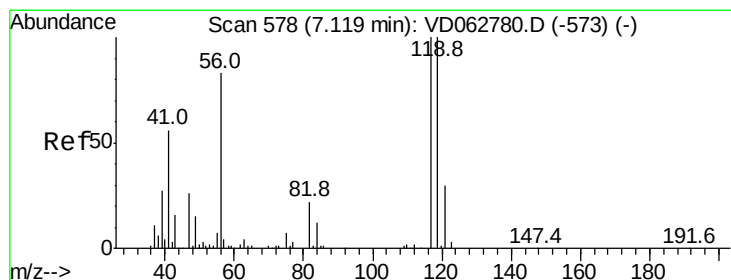
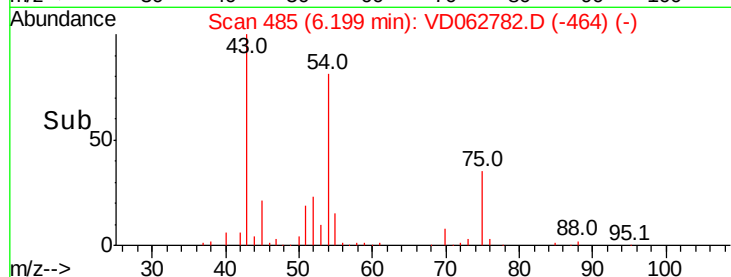
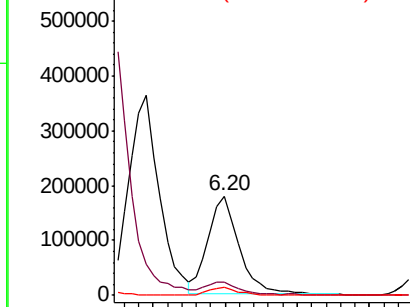
#37
Ethyl Acetate
Concen: 90.148 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

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

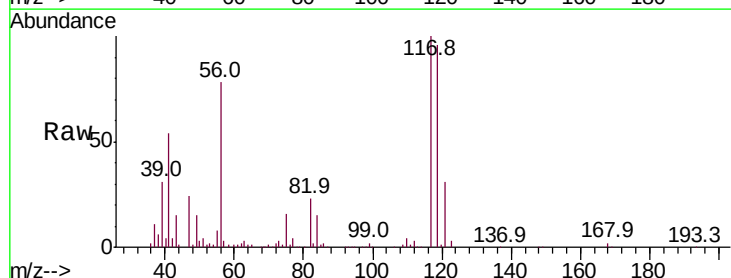


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

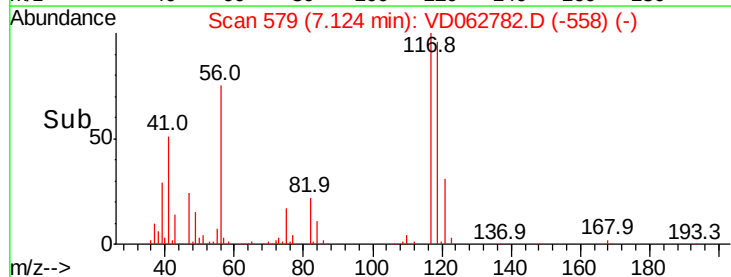
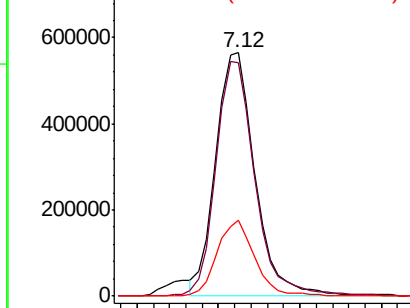


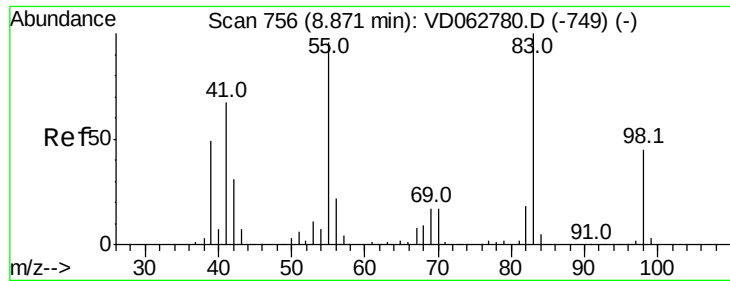
#38
Carbon Tetrachloride
Concen: 95.624 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Tgt Ion: 117 Resp: 1902062
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

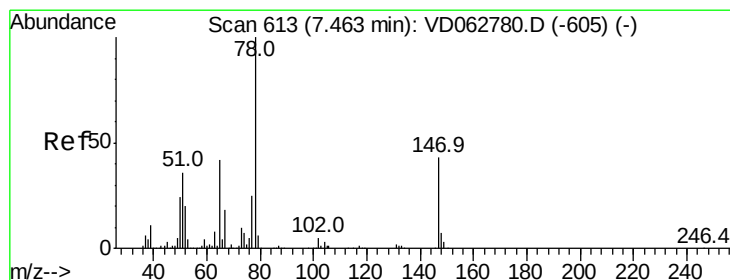
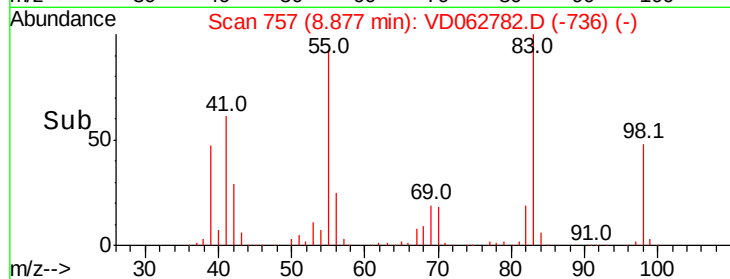
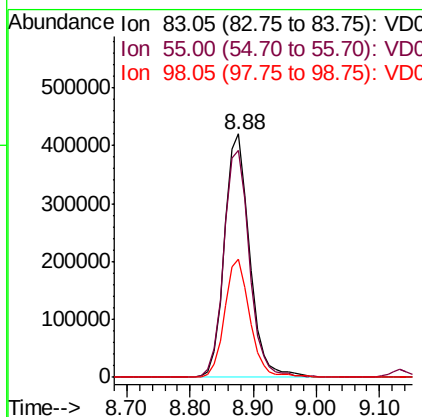
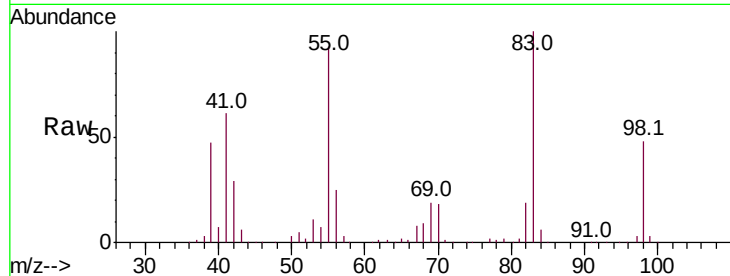




#39
Methylvlcyclohexane
Concen: 101.504 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

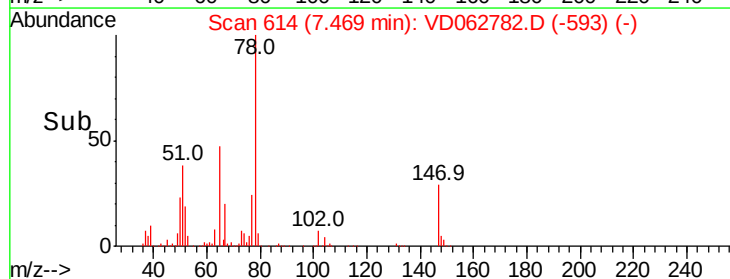
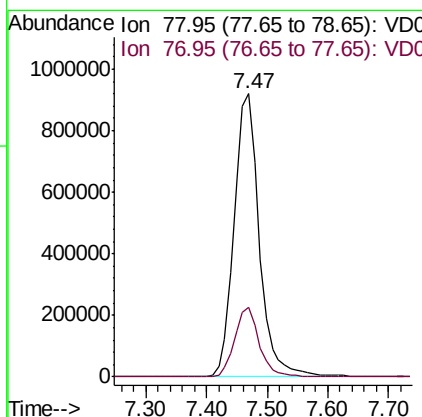
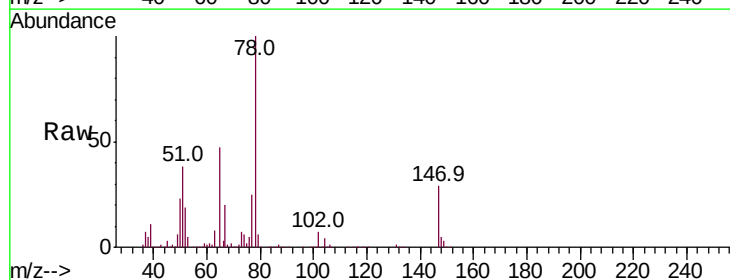
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

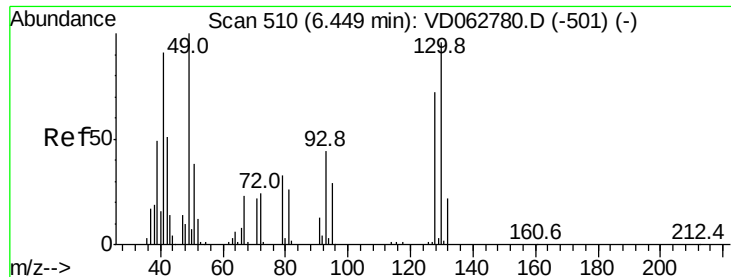
Tot Ion: 83 Resp: 1160421
Ion Ratio Lower Upper
83 100
55 93.3 76.6 115.0
98 48.4 35.7 53.5



#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

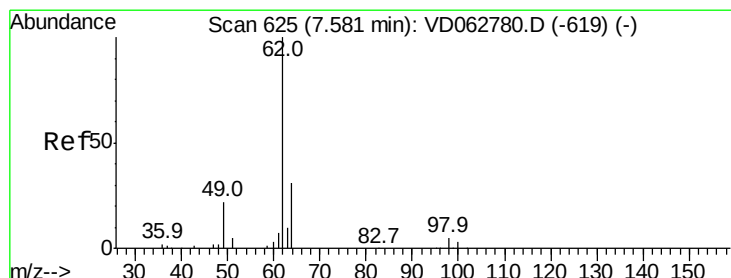
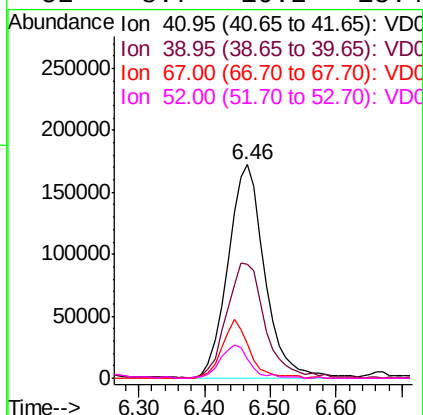
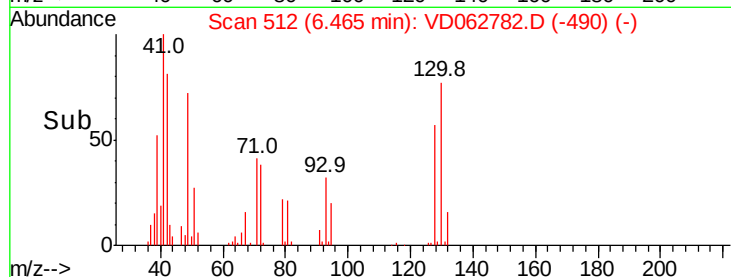
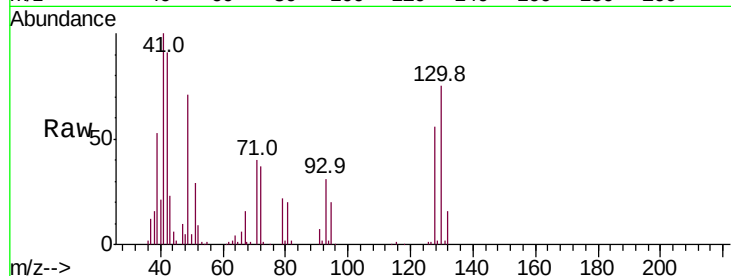




#41
Methacrylonitrile
Concen: 98.017 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

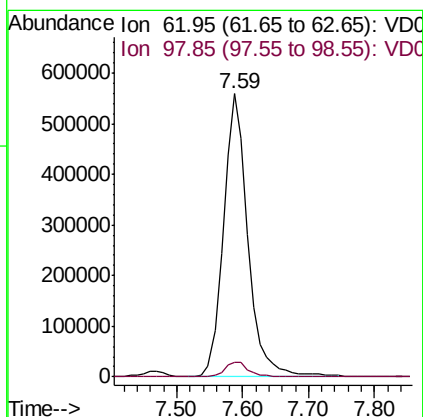
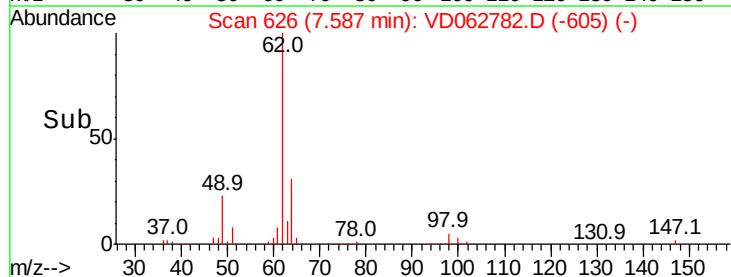
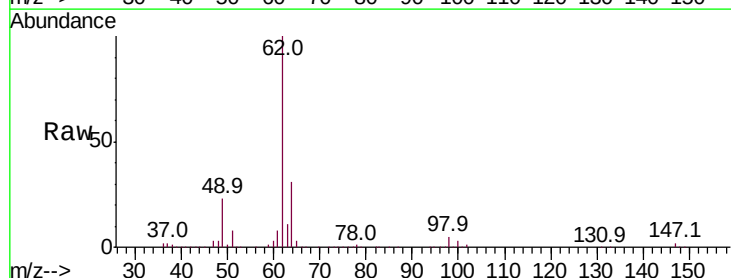
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

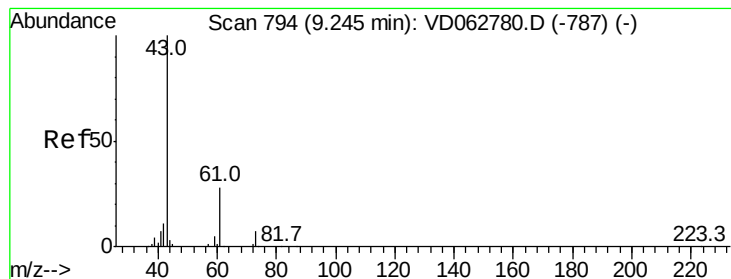
Tot Ion: 41 Resp: 671338
Ion Ratio Lower Upper
41 100
39 53.4 43.2 64.8
67 15.9 19.9 29.9#
52 8.7 10.2 15.4#



#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





#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

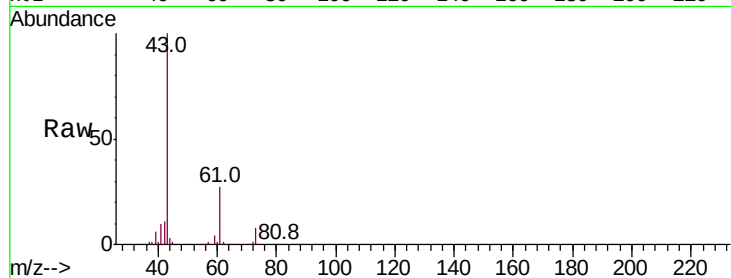
Tot Ion: 43 Resp: 708396

Ion Ratio Lower Upper

43 100

61 26.7 22.4 33.6

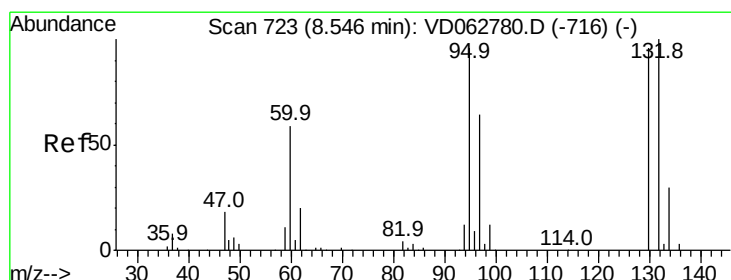
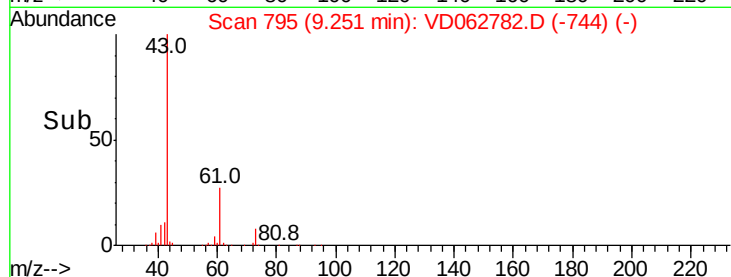
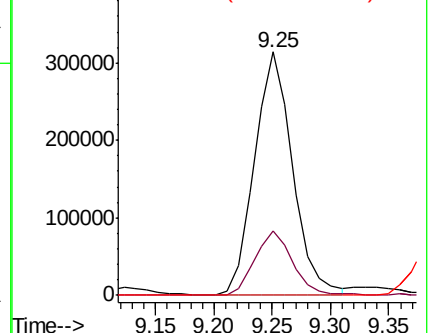
87 0.3 0.3 0.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 101.511 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062782.D

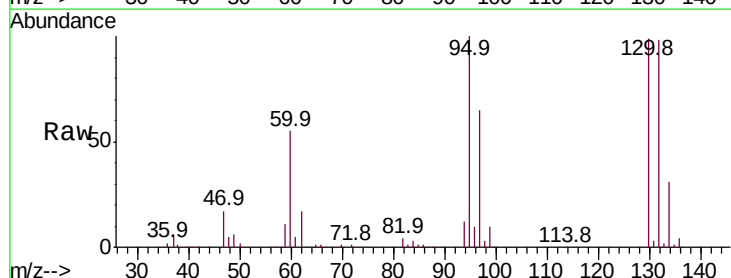
Acq: 19 Jun 2019 16:34

Tgt Ion:130 Resp: 1037511

Ion Ratio Lower Upper

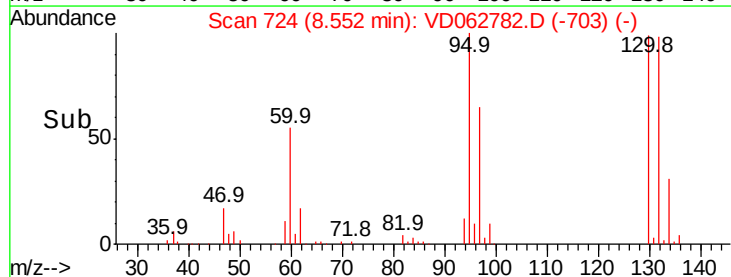
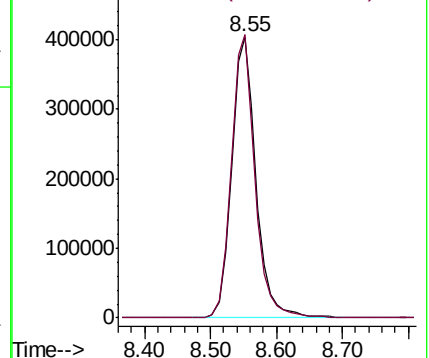
130 100

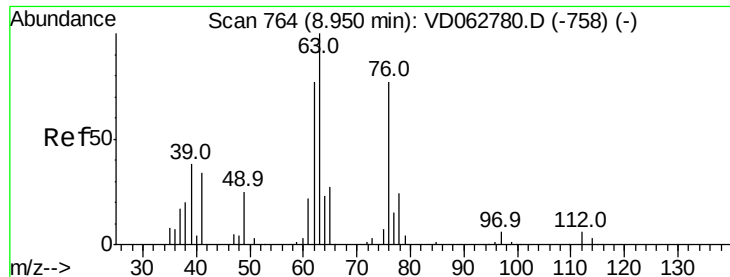
95 100.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#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 :

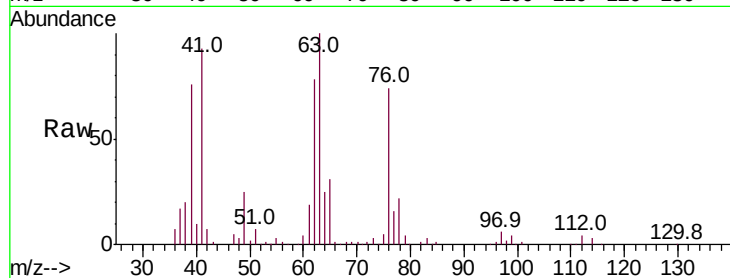
VSTDIC100

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

8.95

250000

200000

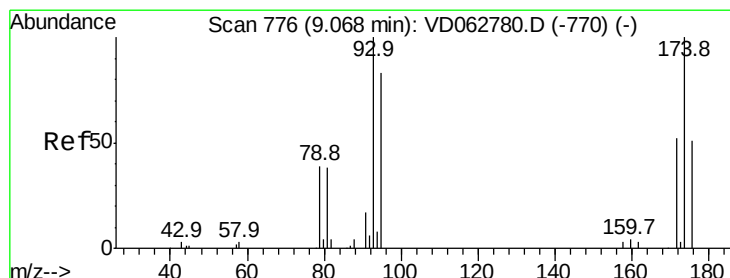
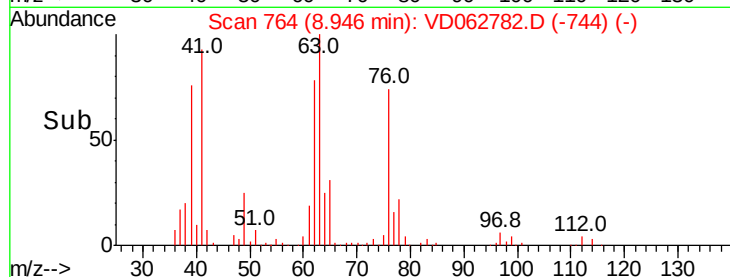
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#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

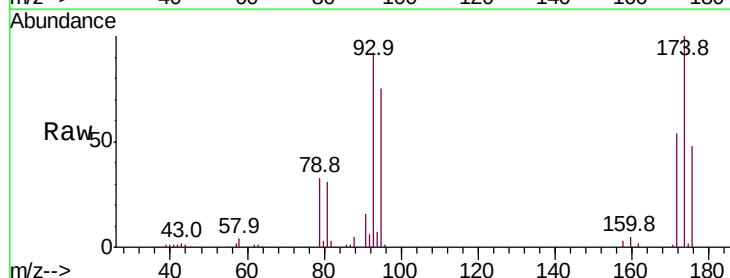
Tgt Ion: 93 Resp: 548296

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): V

9.07

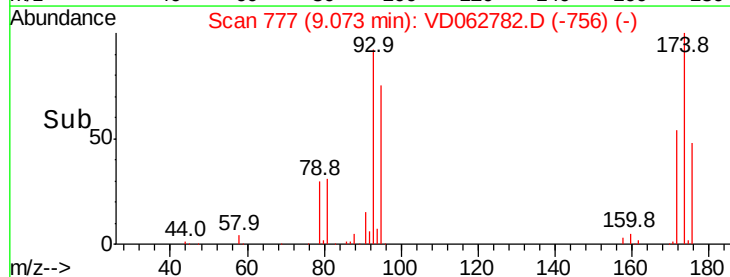
300000

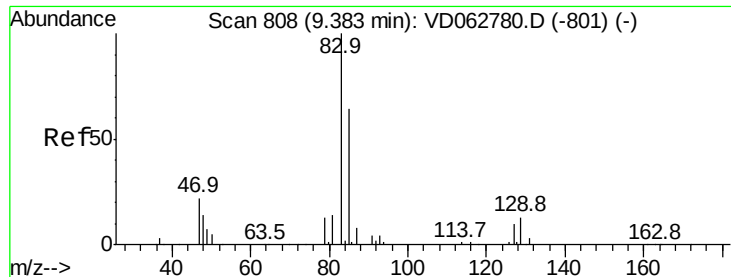
200000

100000

0

Time--> 9.00 9.10 9.20





#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

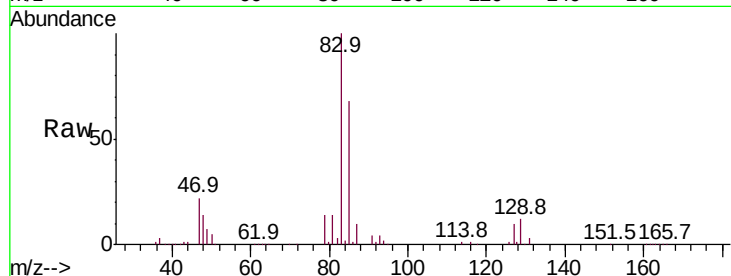
Tot Ion: 83 Resp: 1413982

Ion Ratio Lower Upper

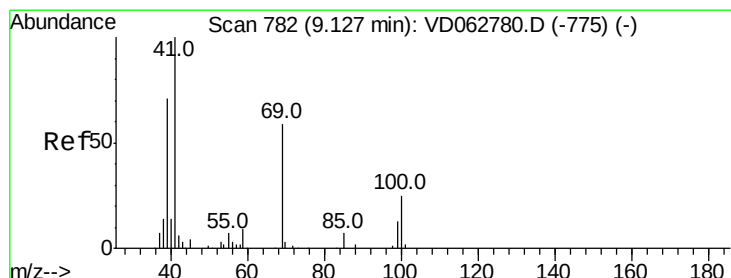
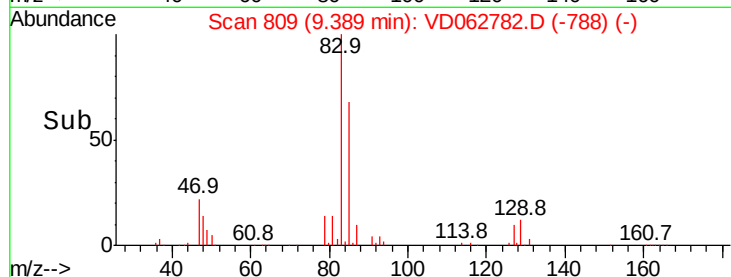
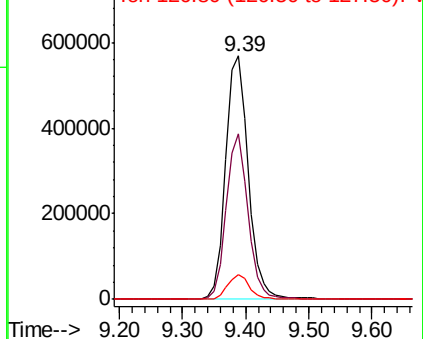
83 100

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

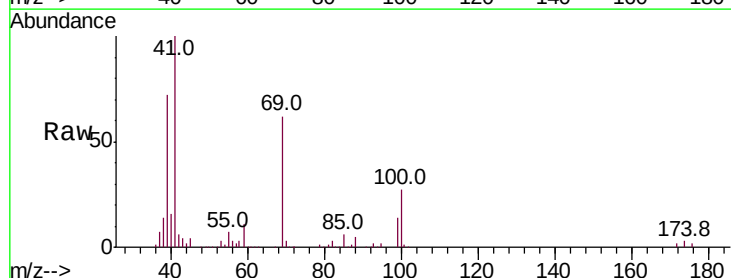
Tgt Ion: 41 Resp: 477571

Ion Ratio Lower Upper

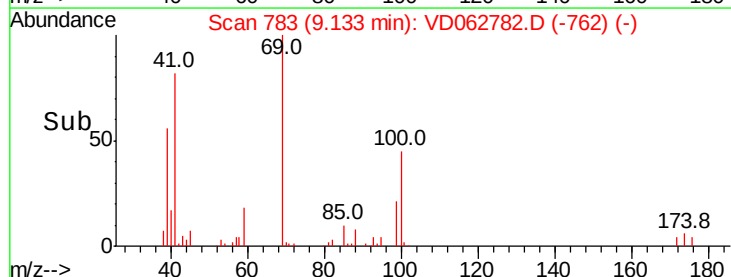
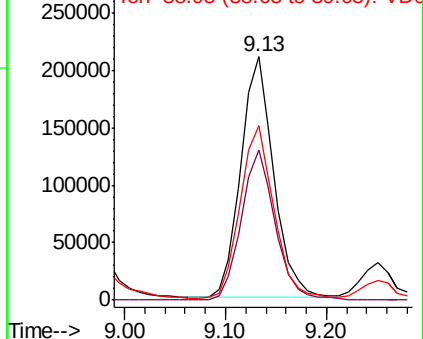
41 100

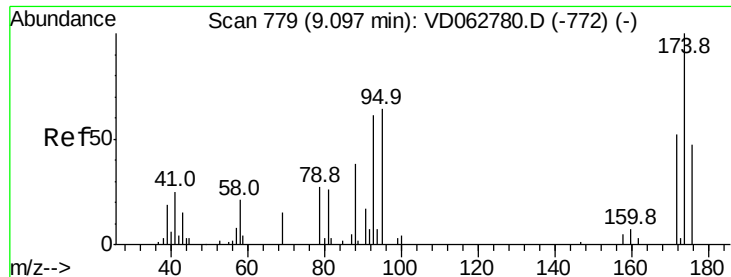
69 61.6 47.2 70.8

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

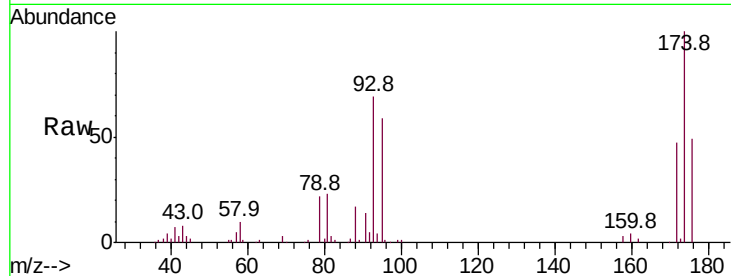




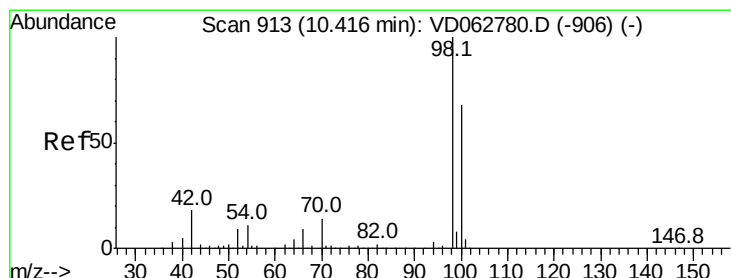
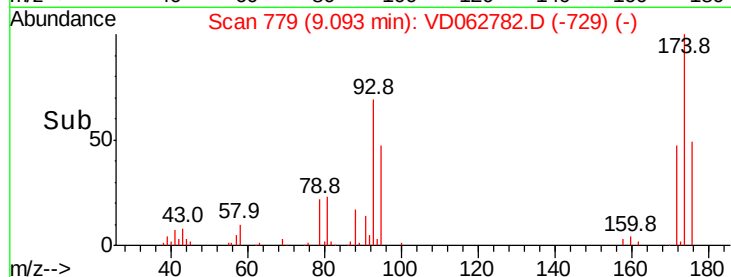
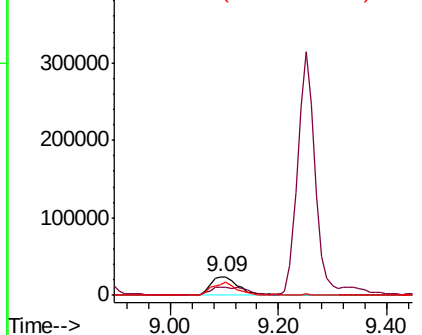
#49
 1,4-Dioxane
 Concen: 2234.457 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

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

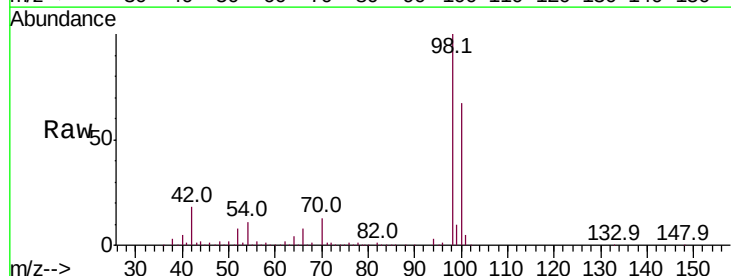


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

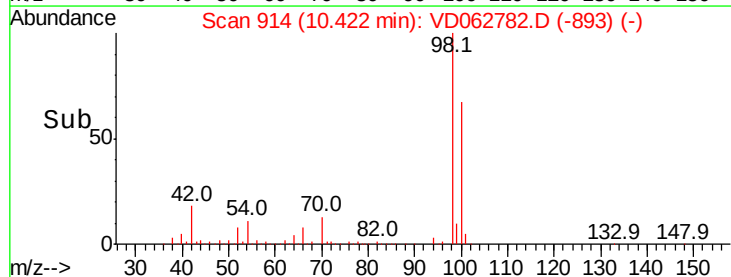
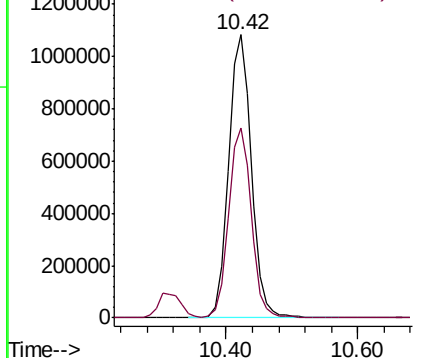


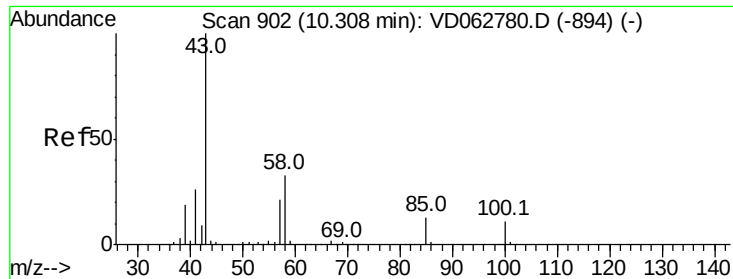
#50
 Toluene-d8
 Concen: 104.244 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

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

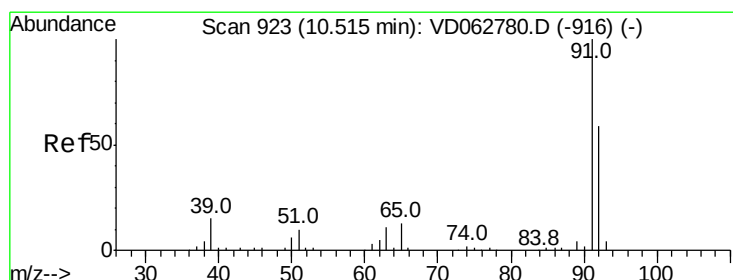
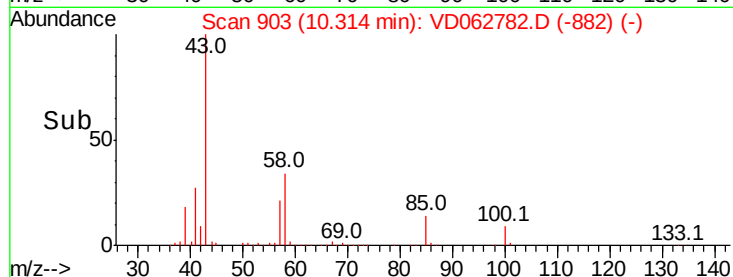
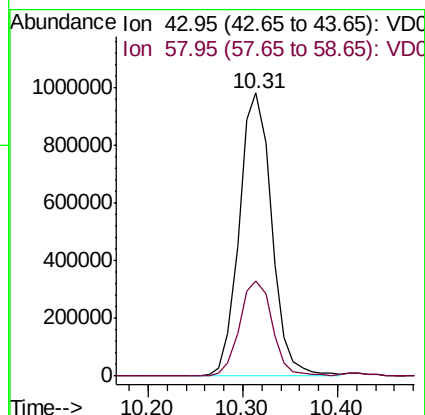
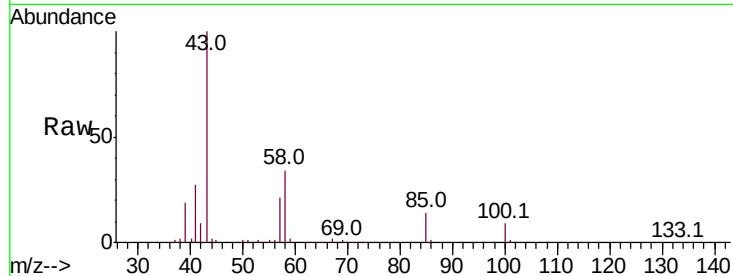




#51
4-Methyl-2-Pentanone
Concen: 484.615 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

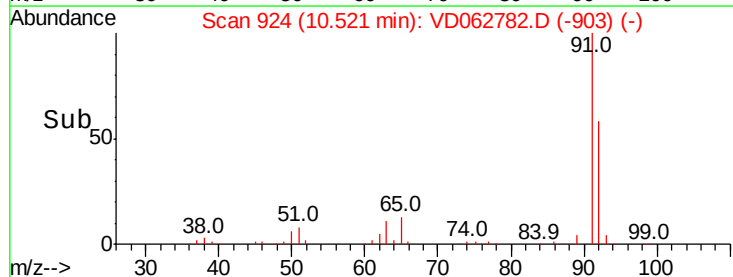
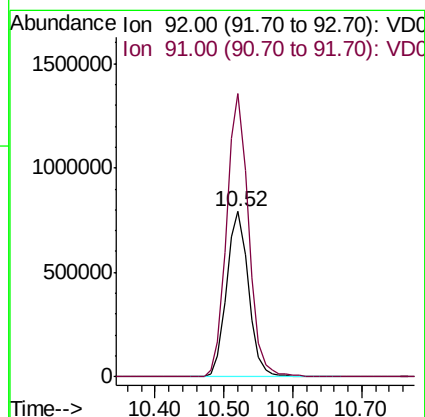
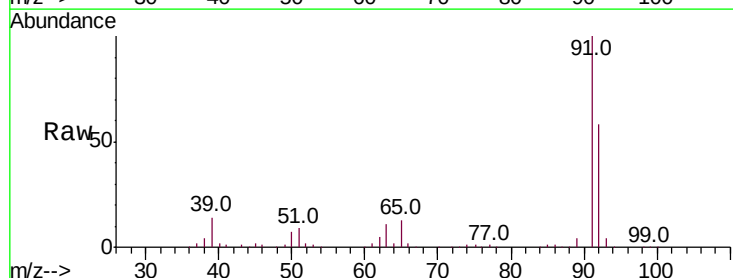
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

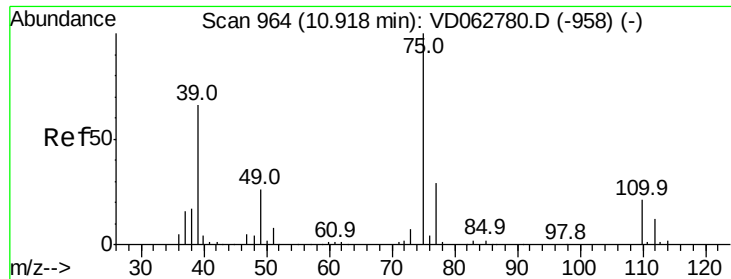
Tot Ion: 43 Resp: 2339505
Ion Ratio Lower Upper
43 100
58 33.7 26.6 40.0



#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

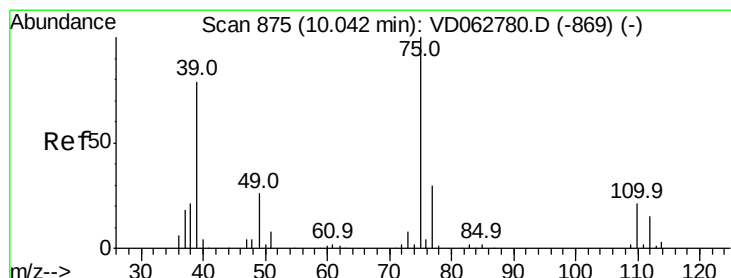
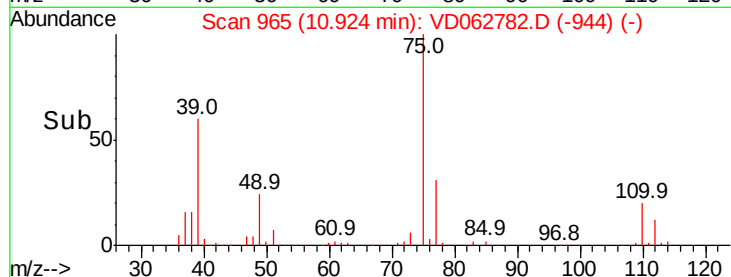
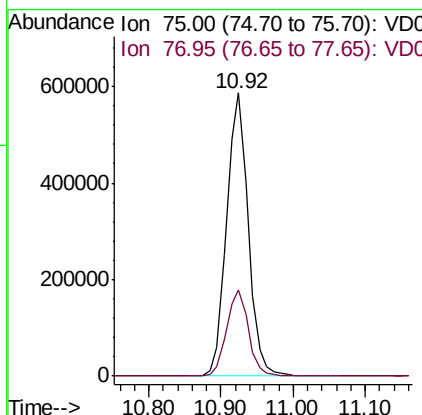
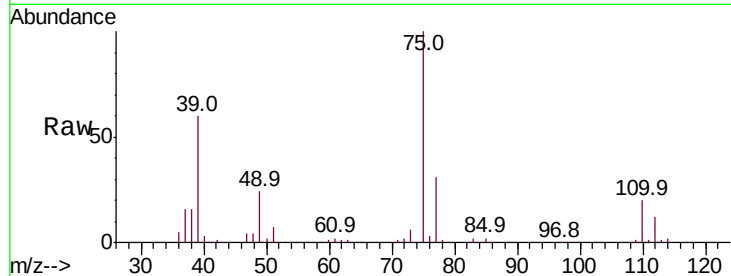




#53
 t-1,3-Dichloropropene
 Concen: 103.108 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

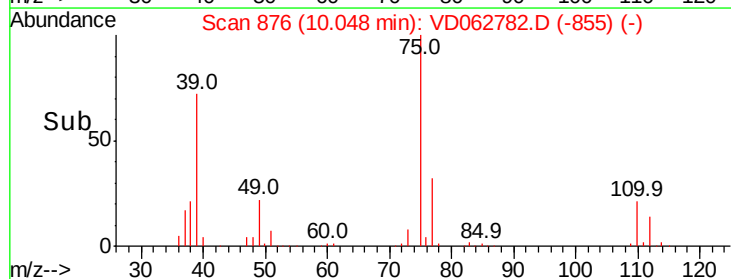
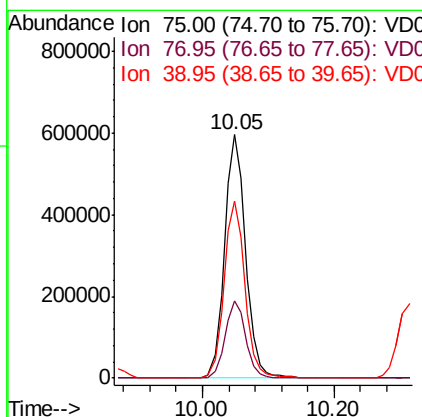
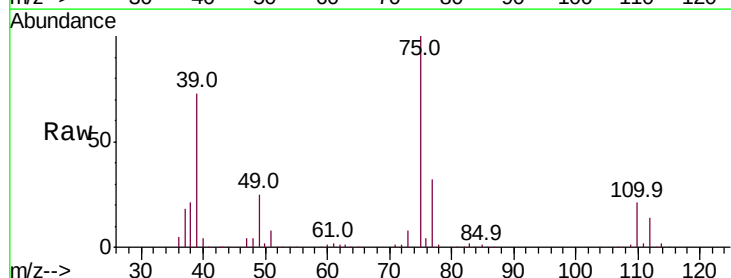
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

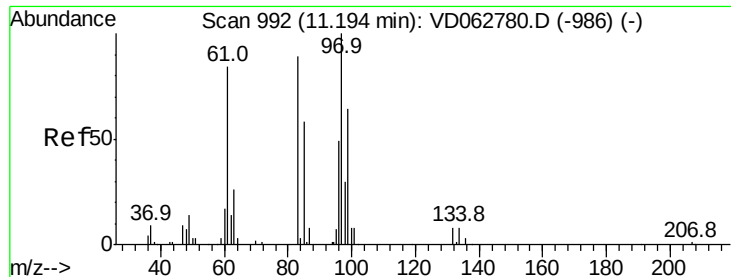
Tot Ion: 75 Resp: 1220501
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.2 34.8



#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

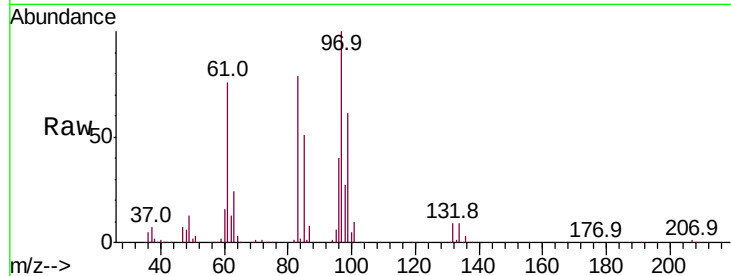
Ion Ratio Lower Upper

97 100

83 79.1 71.0 106.4

85 51.4 46.6 69.8

99 60.5 51.4 77.0

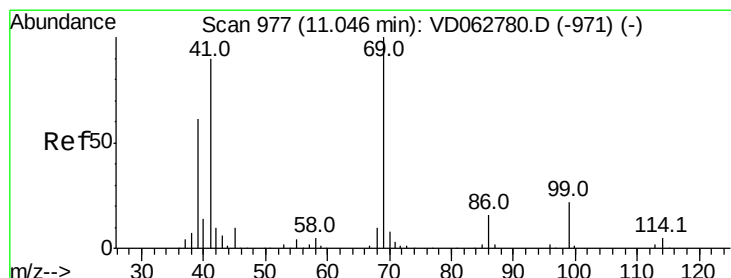
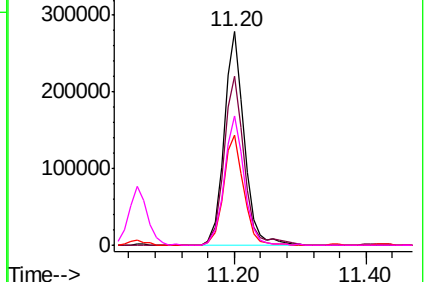
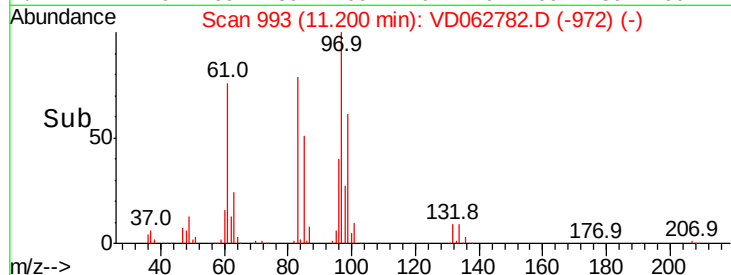


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

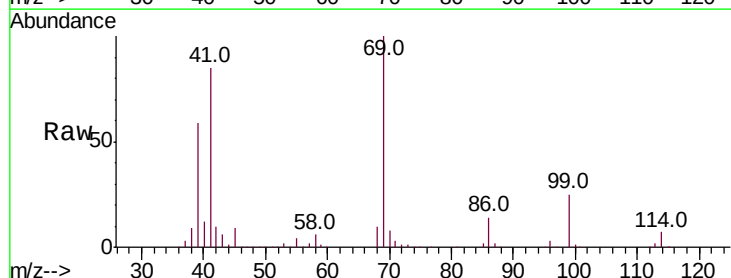
Tgt Ion: 69 Resp: 639861

Ion Ratio Lower Upper

69 100

41 85.0 72.0 108.0

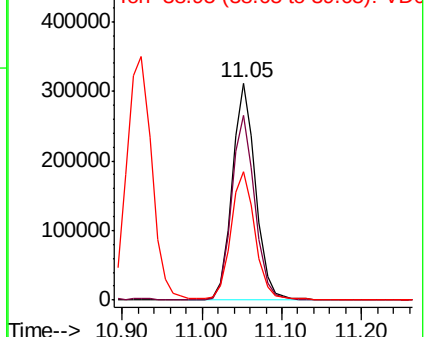
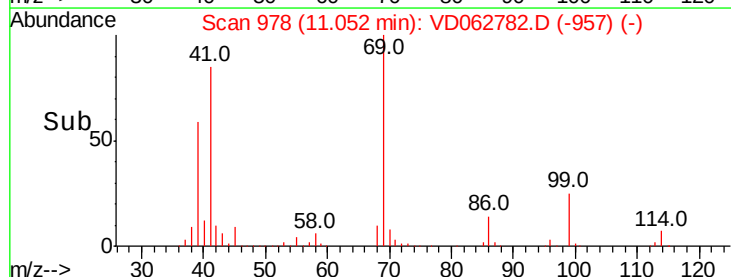
39 59.4 49.5 74.3

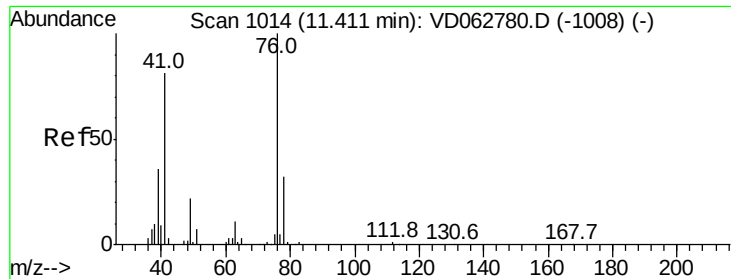


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

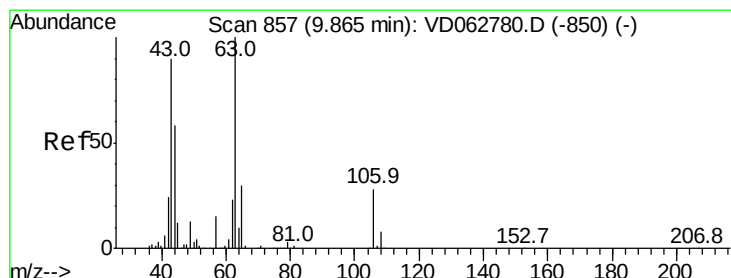
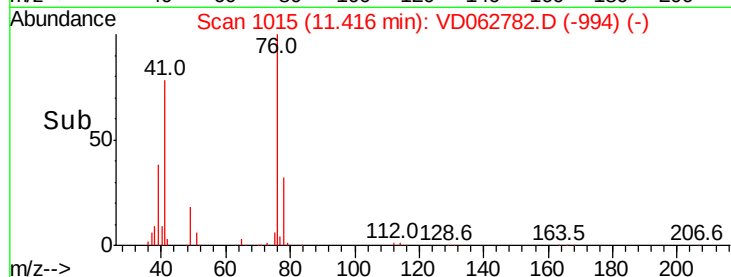
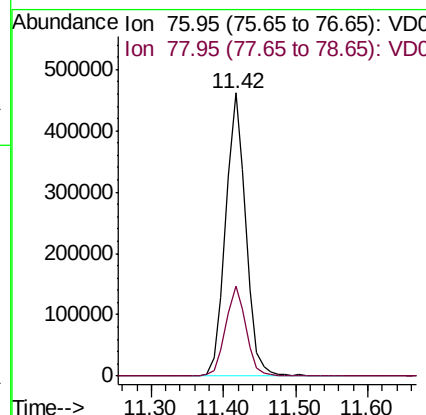
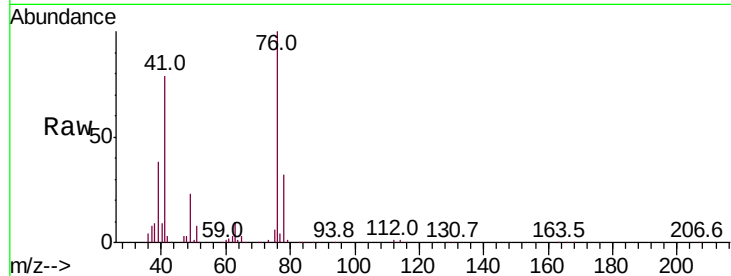




#57
 1,3-Dichloropropane
 Concen: 96.183 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

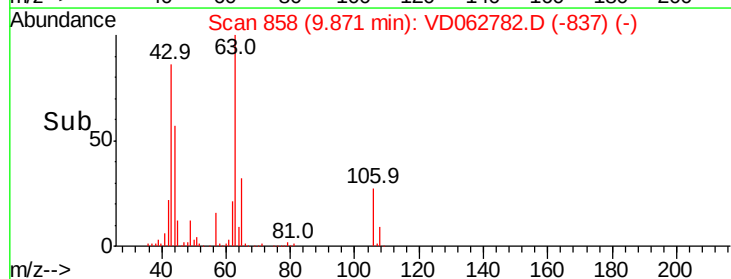
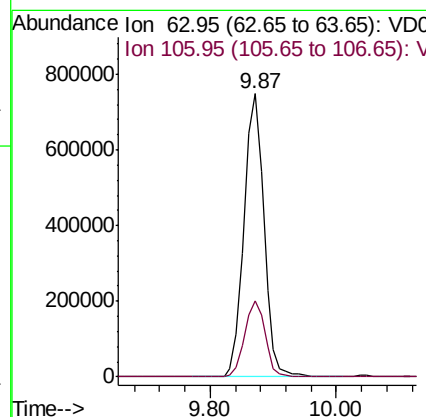
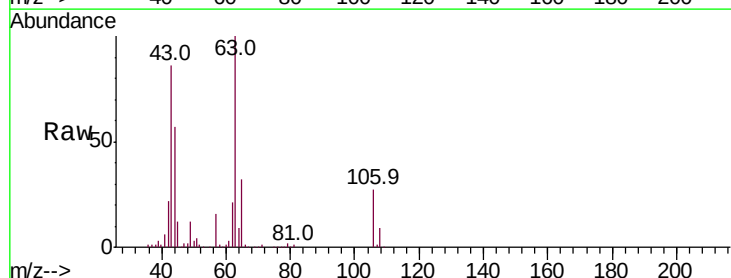
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

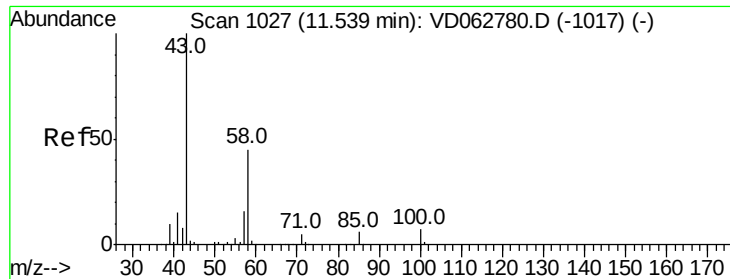
Tot Ion: 76 Resp: 886691
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0



#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

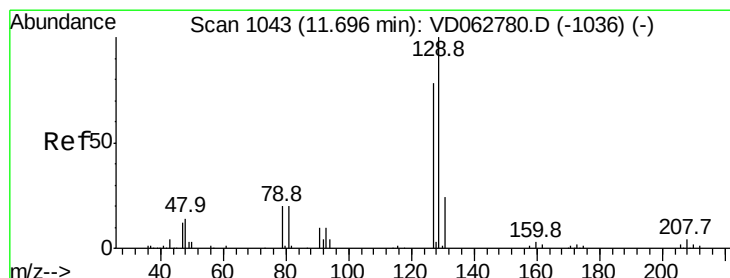
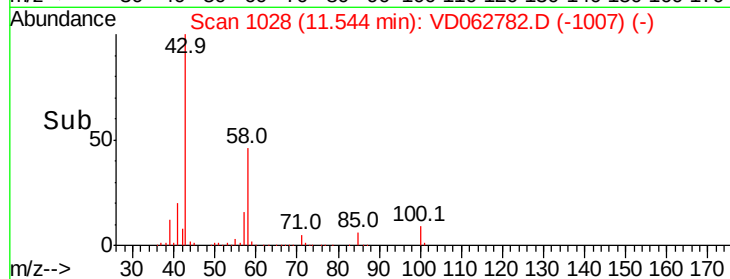
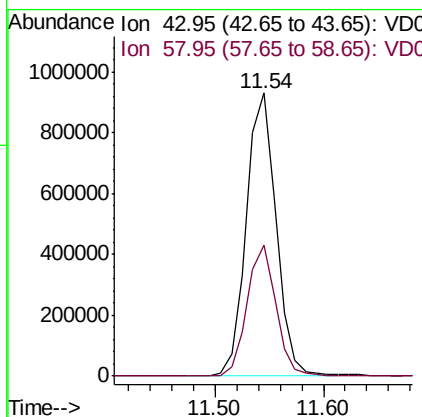
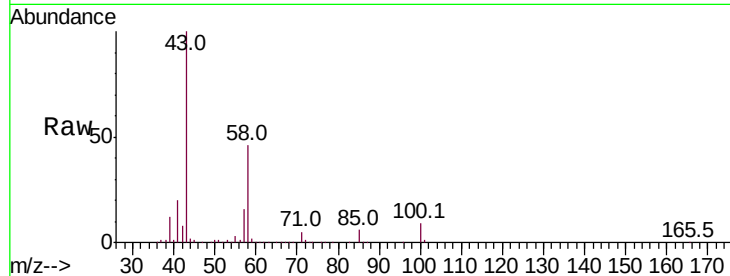




#59
2-Hexanone
Concen: 520.837 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

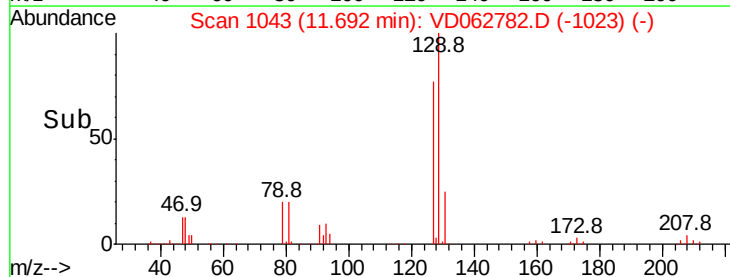
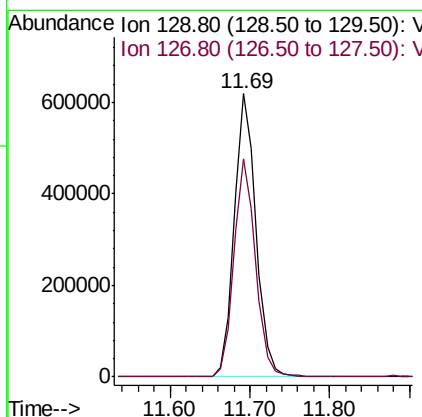
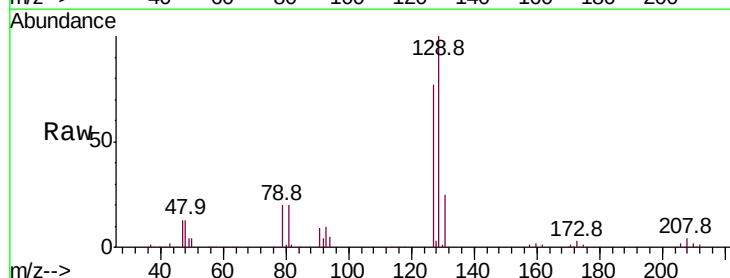
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

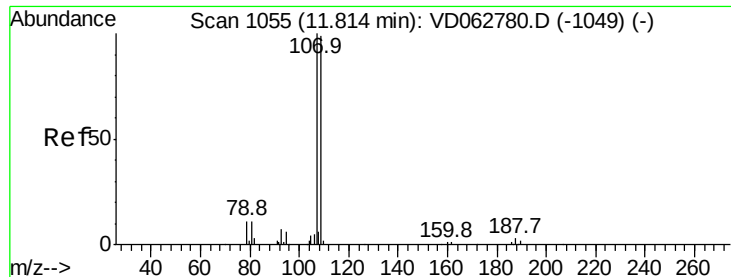
Tot Ion: 43 Resp: 1790709
Ion Ratio Lower Upper
43 100
58 46.4 22.4 67.2



#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

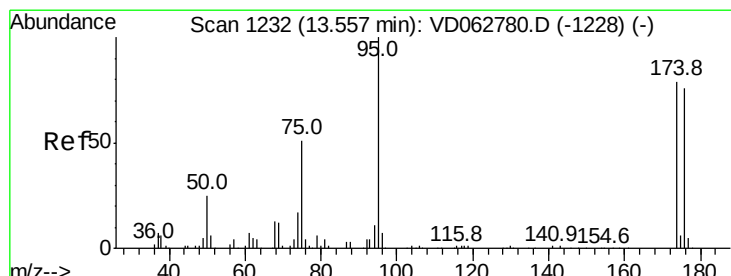
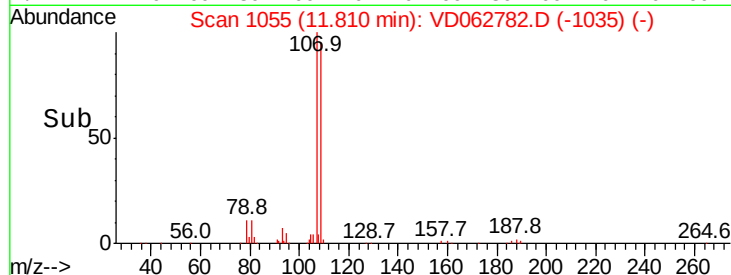
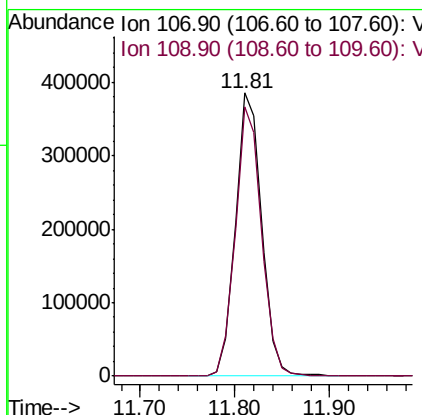
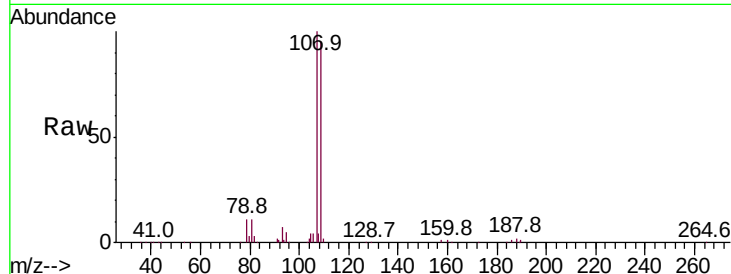




#61
 1,2-Dibromoethane
 Concen: 103.893 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

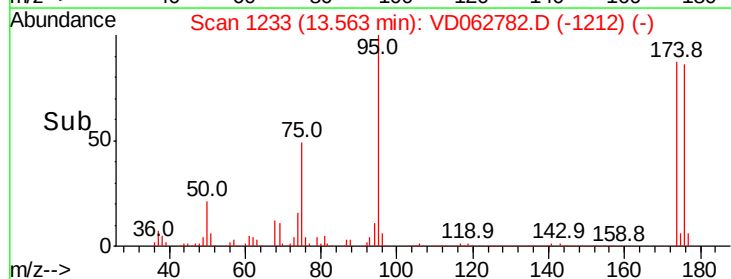
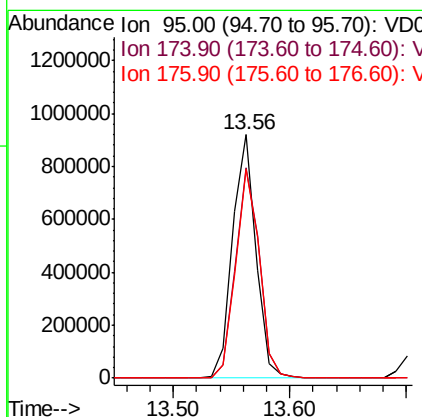
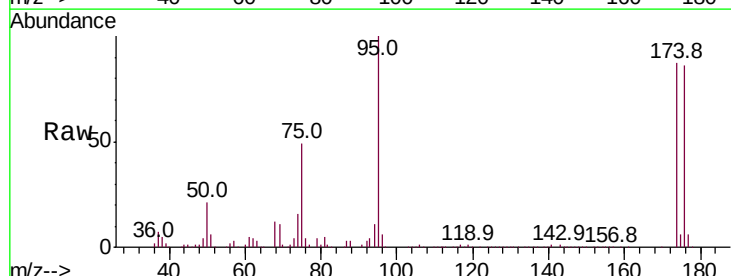
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

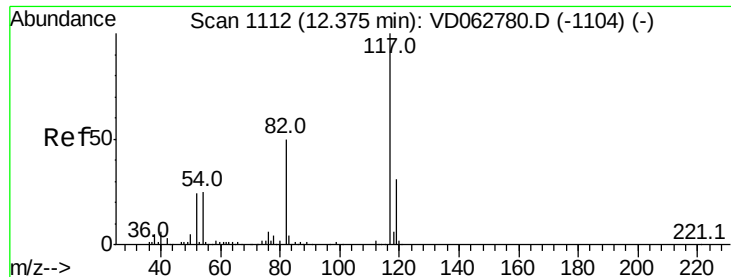
Tot Ion:107 Resp: 738763
 Ion Ratio Lower Upper
 107 100
 109 95.3 79.3 118.9



#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

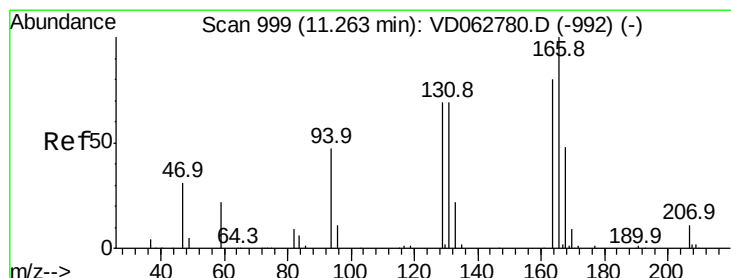
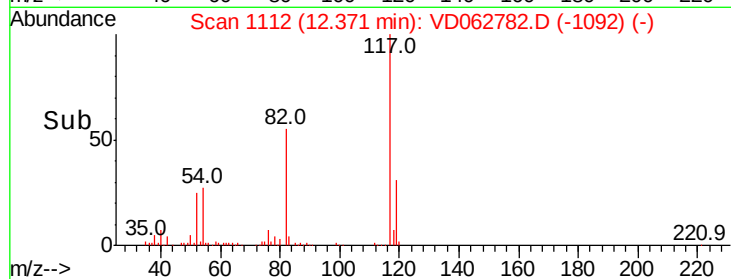
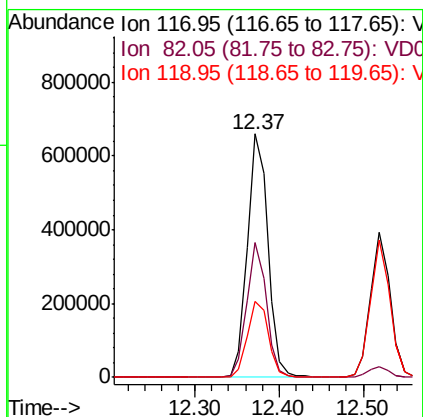
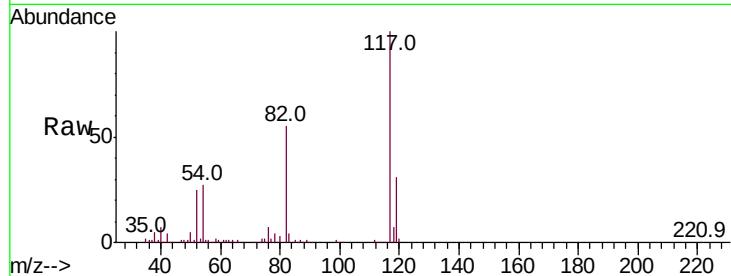




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

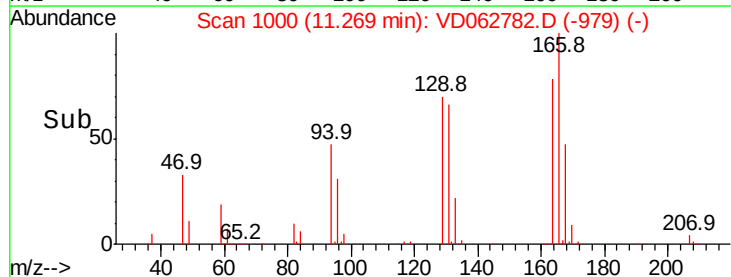
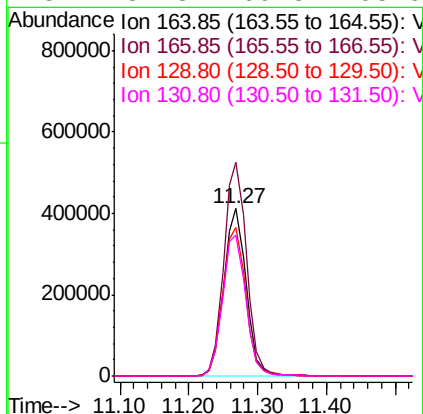
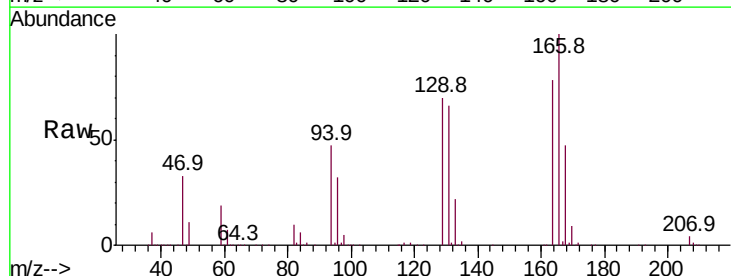
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

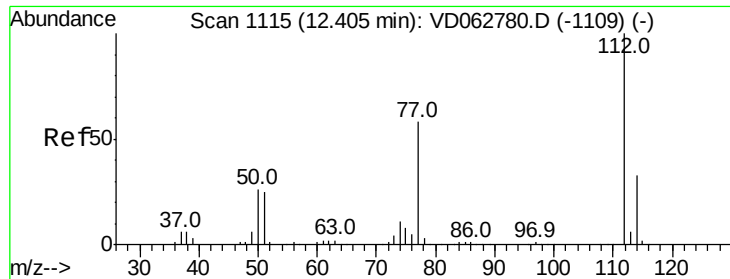
Tot Ion:117 Resp: 1132823
Ion Ratio Lower Upper
117 100
82 55.2 40.4 60.6
119 31.2 25.2 37.8



#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

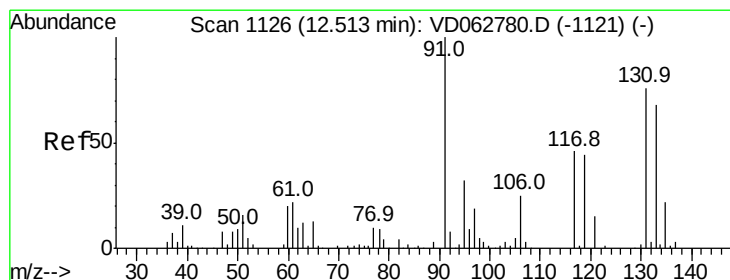
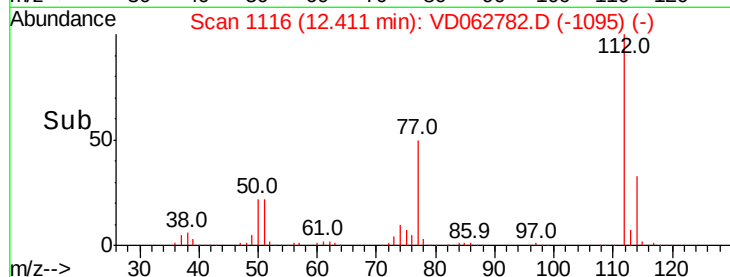
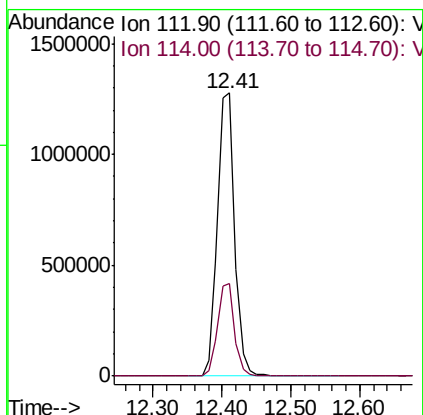
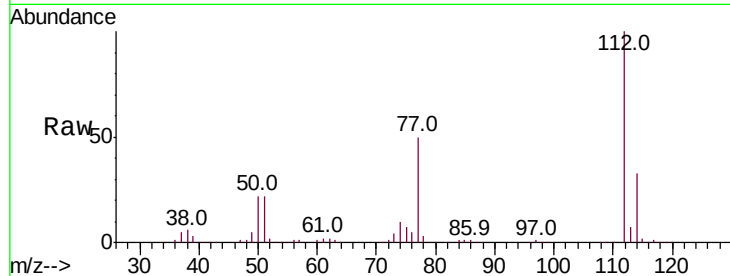




#65
Chlorobenzene
Concen: 105.559 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

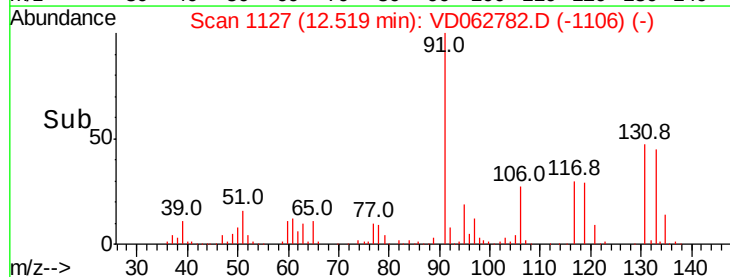
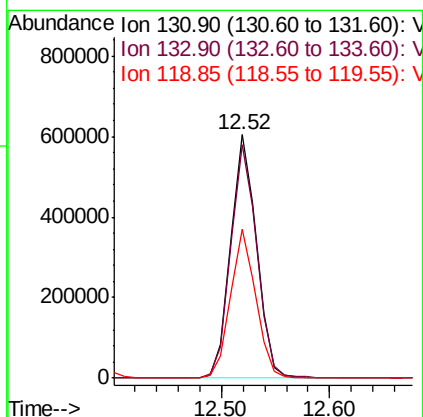
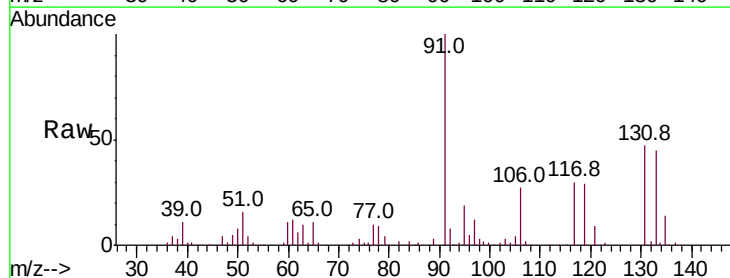
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

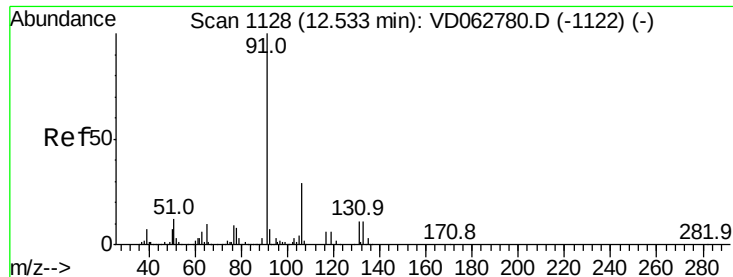
Tot Ion:112 Resp: 2219268
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#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 :

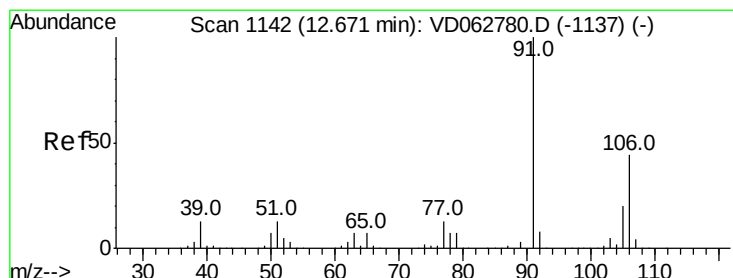
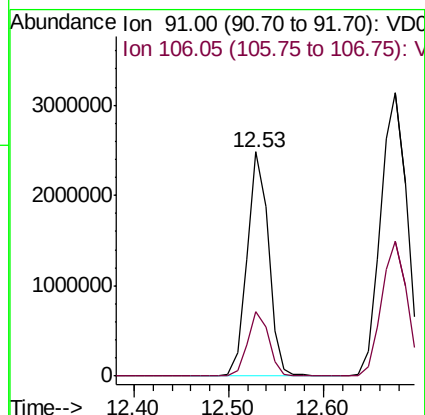
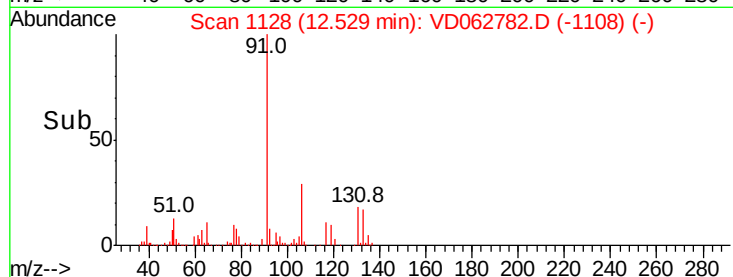
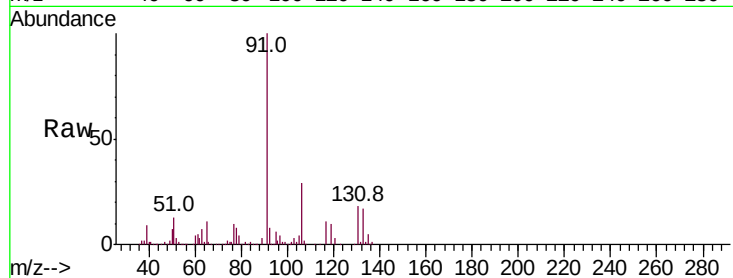
VSTDIC100

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

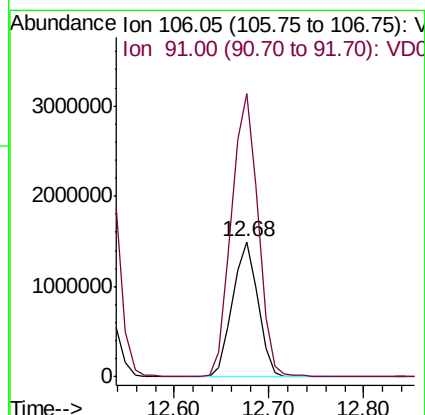
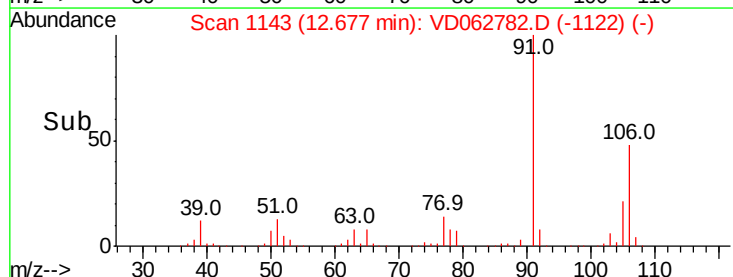
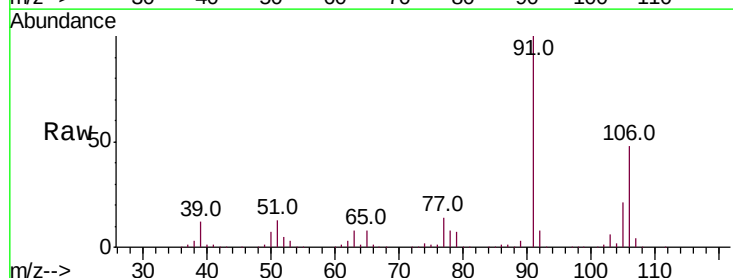
Acq: 19 Jun 2019 16:34

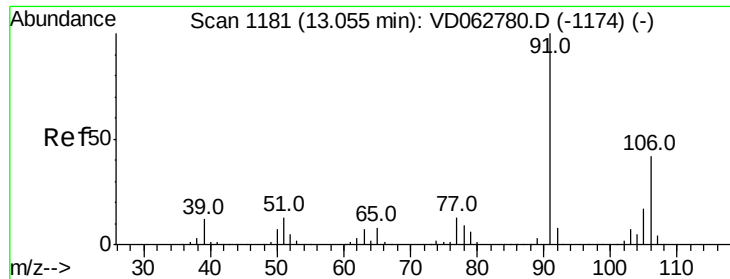
Tgt Ion: 106 Resp: 2796562

Ion Ratio Lower Upper

106 100

91 209.0 183.0 274.6

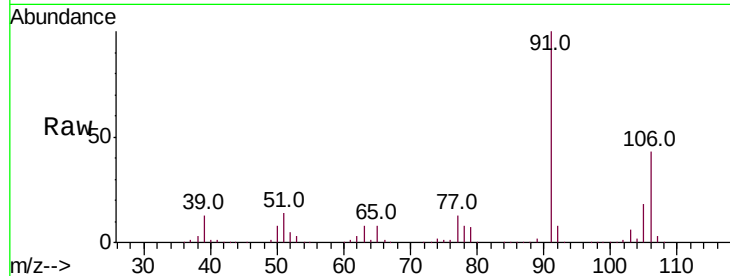




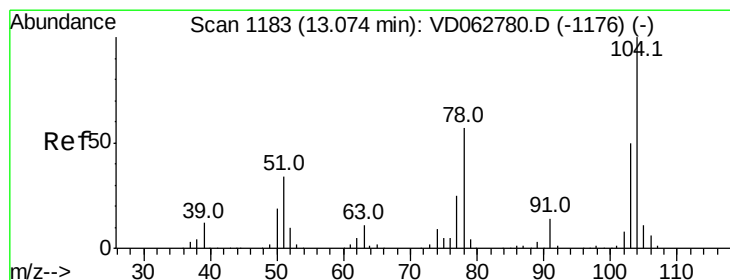
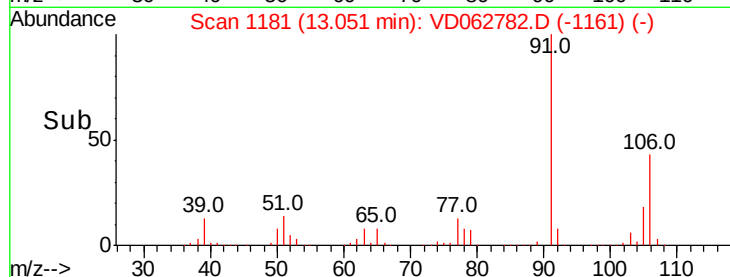
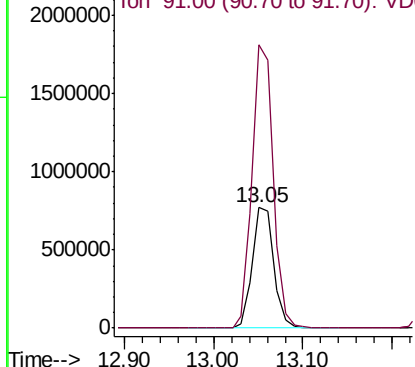
#69
o-Xylene
Concen: 105.559 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

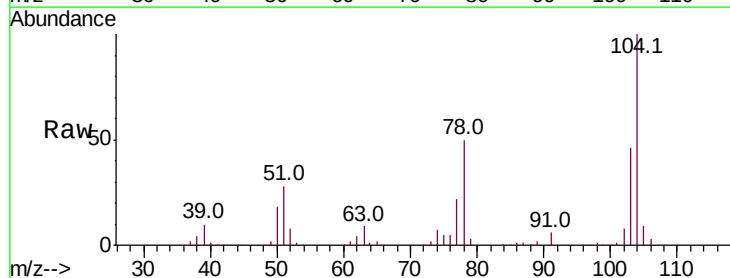


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

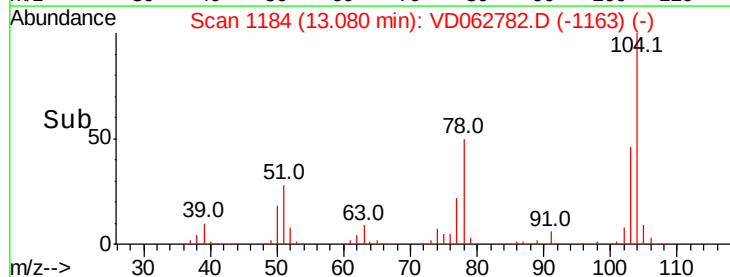
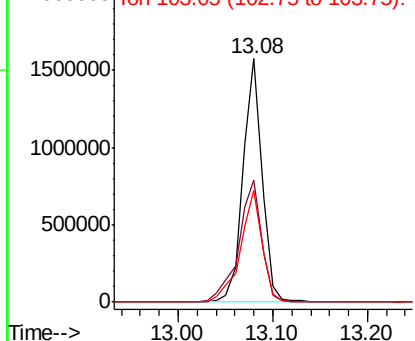


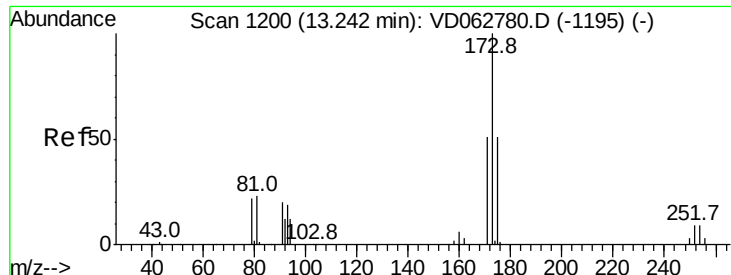
#70
Styrene
Concen: 103.323 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

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

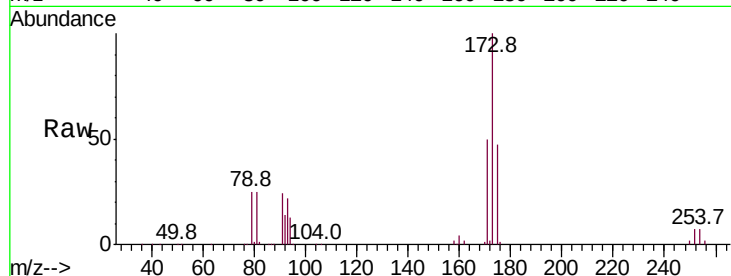
Tot Ion:173 Resp: 727749

Ion Ratio Lower Upper

173 100

175 46.9 25.3 75.9

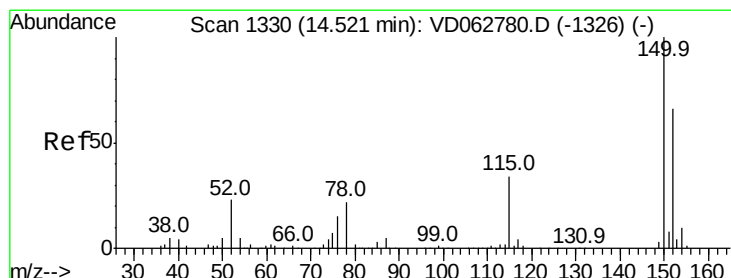
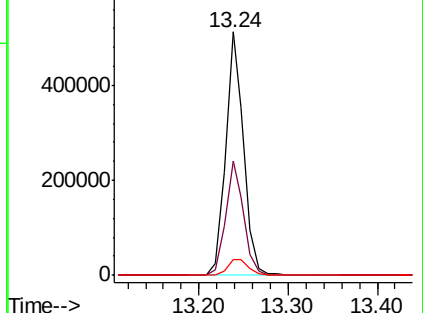
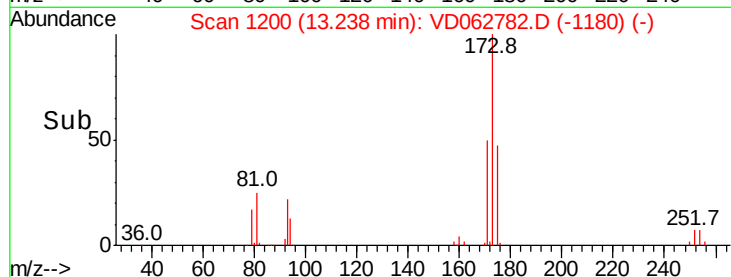
254 6.6 7.1 10.7#



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

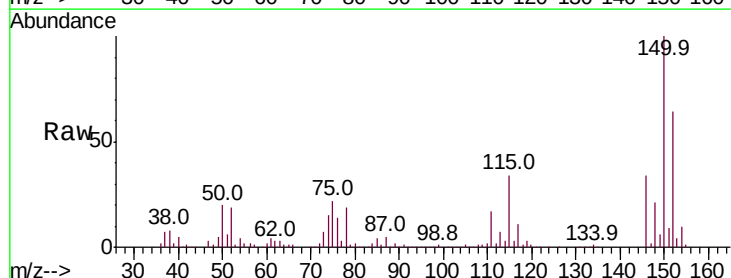
Tgt Ion:152 Resp: 643601

Ion Ratio Lower Upper

152 100

115 53.3 29.2 87.6

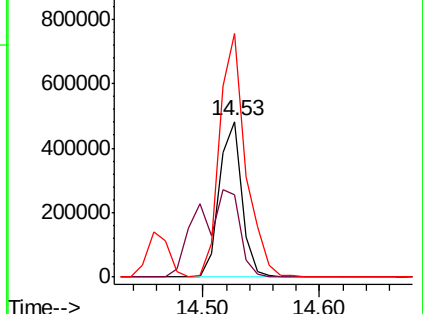
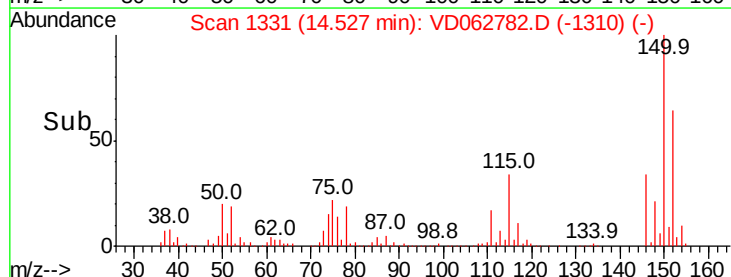
150 156.7 0.0 305.8

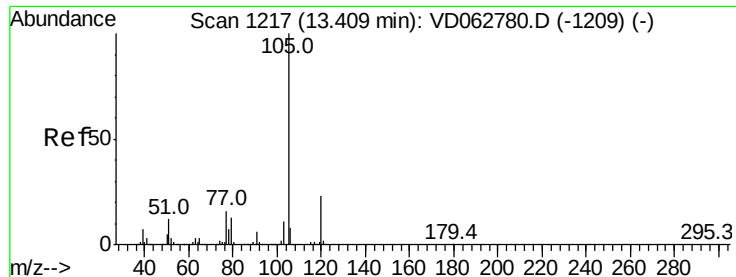


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

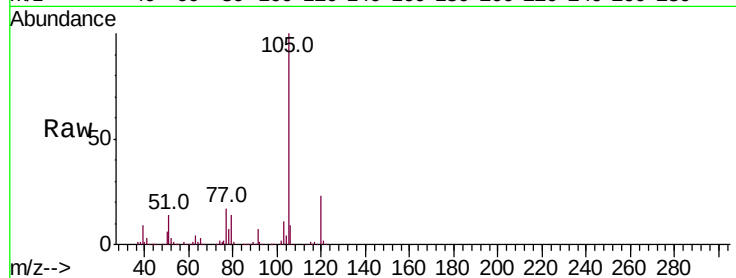
VSTDIC100

Tot Ion:105 Resp: 3648554

Ion Ratio Lower Upper

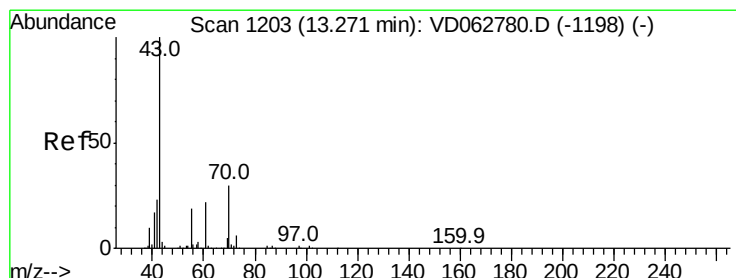
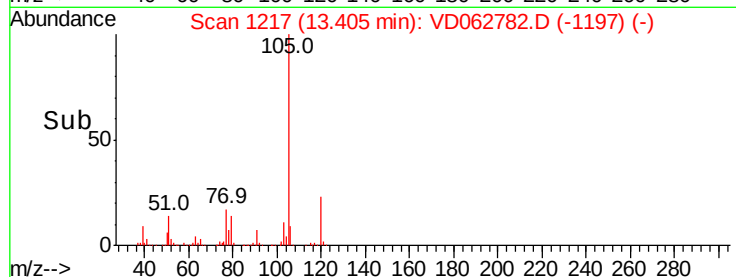
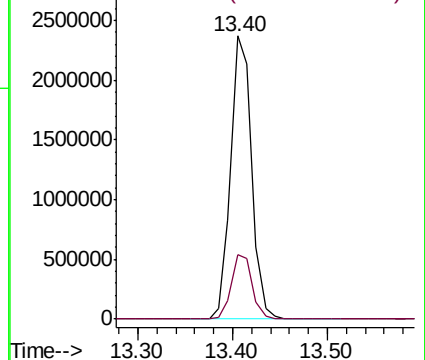
105 100

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

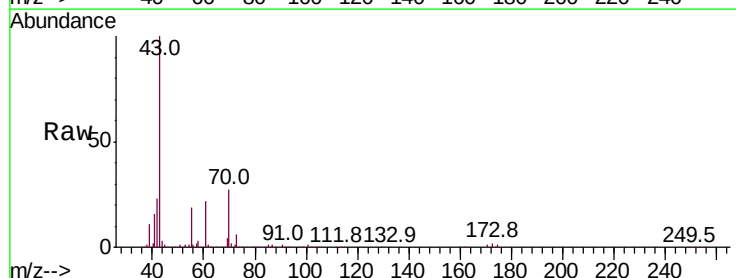
Ion Ratio Lower Upper

43 100

70 26.7 24.4 36.6

55 18.6 15.2 22.8

61 22.3 17.4 26.2

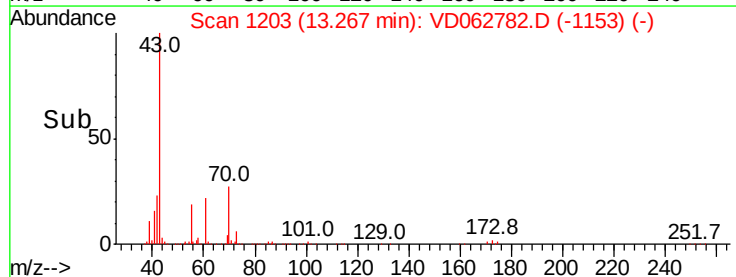
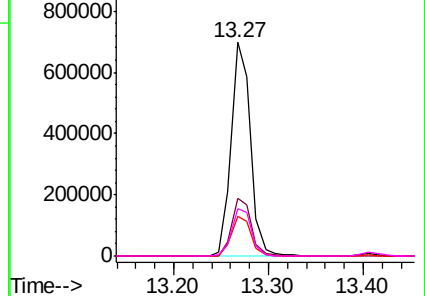


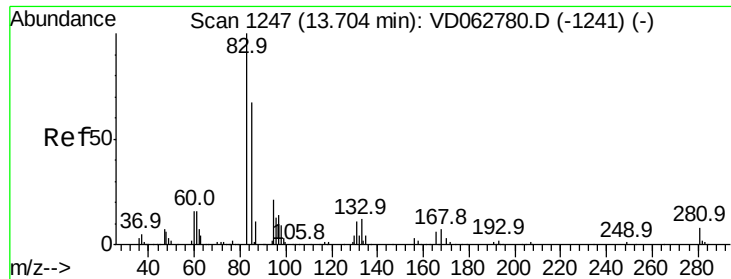
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

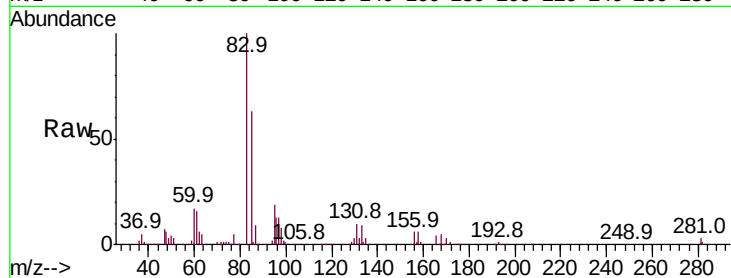
Tot Ion: 83 Resp: 660190

Ion Ratio Lower Upper

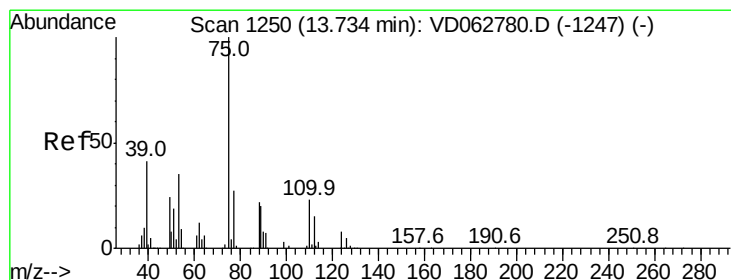
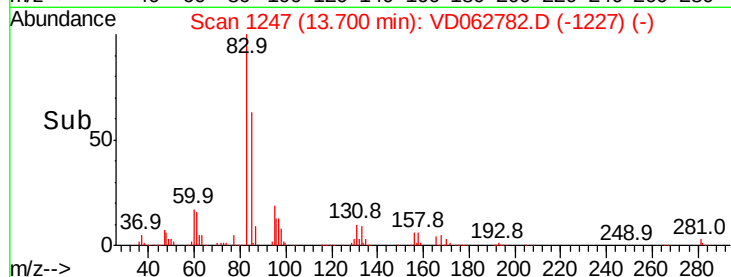
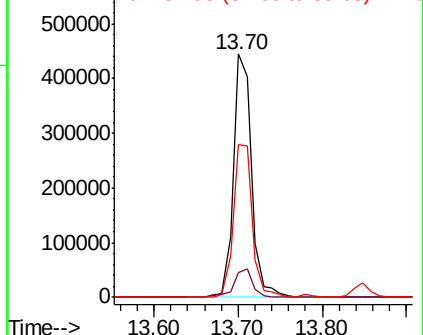
83 100

131 10.1 5.3 16.1

85 62.5 33.7 101.1



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



#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

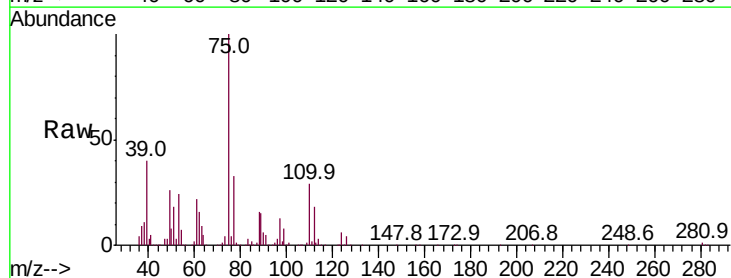
Acq: 19 Jun 2019 16:34

Tgt Ion: 75 Resp: 716011

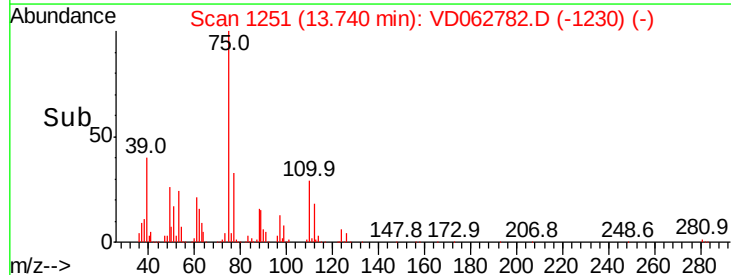
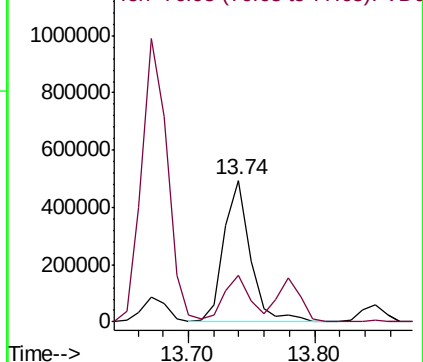
Ion Ratio Lower Upper

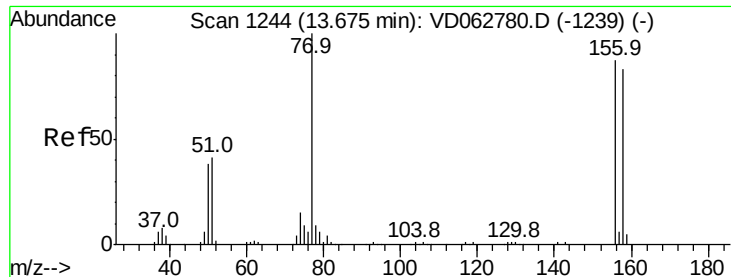
75 100

77 32.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#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

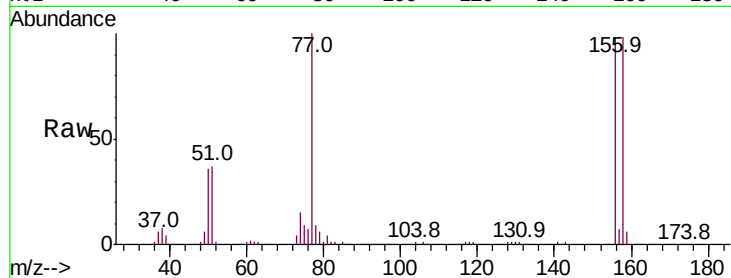
Tot Ion:156 Resp: 1083362

Ion Ratio Lower Upper

156 100

77 102.0 57.7 173.1

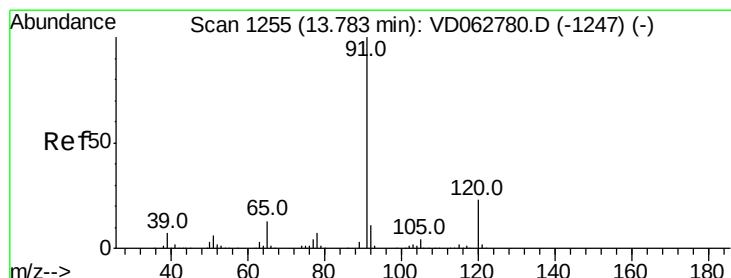
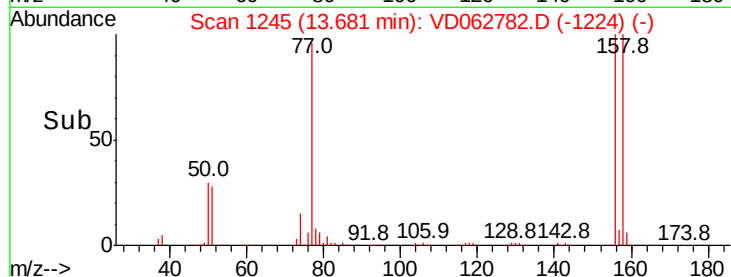
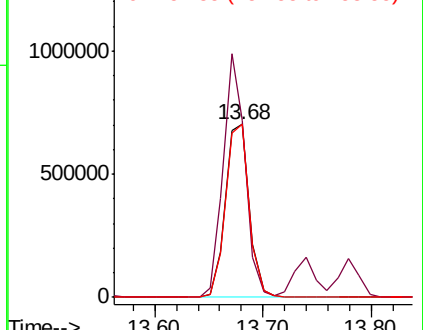
158 99.8 47.7 143.1



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

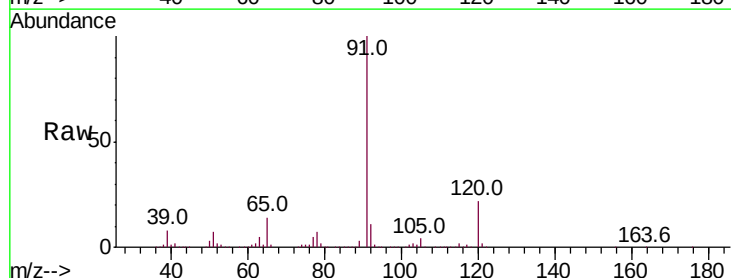
Acq: 19 Jun 2019 16:34

Tgt Ion: 91 Resp: 4473353

Ion Ratio Lower Upper

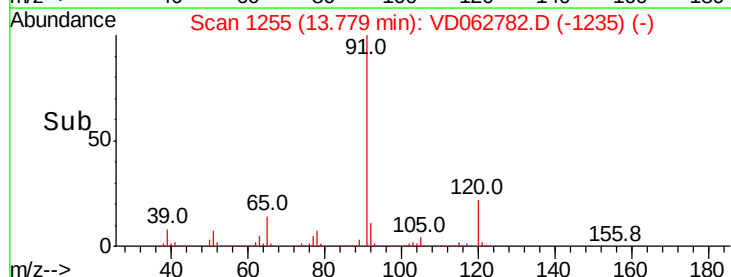
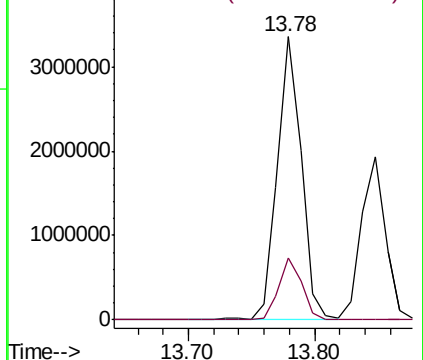
91 100

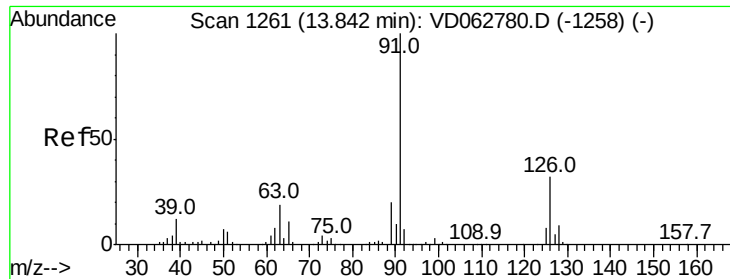
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

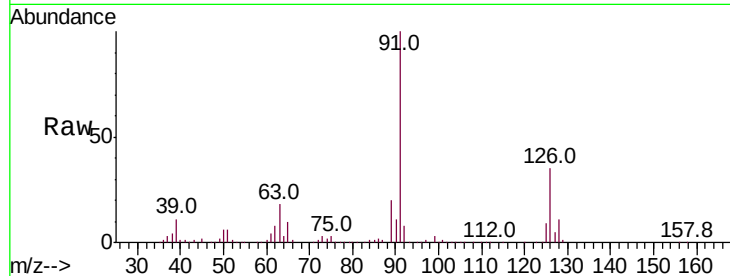




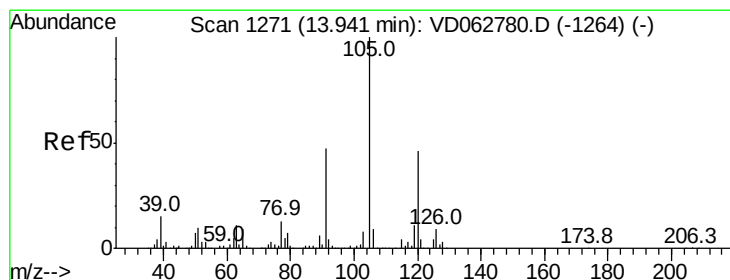
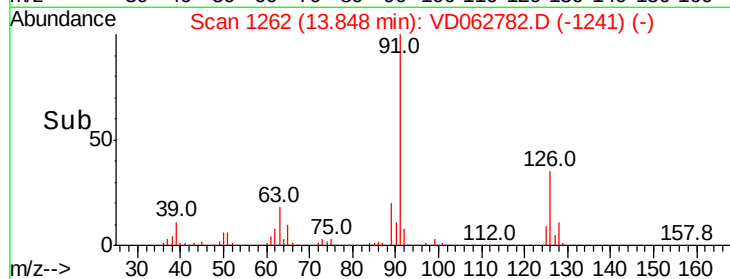
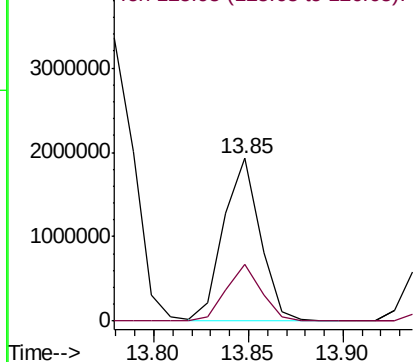
#79
2-Chlorotoluene
Concen: 93.999 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

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

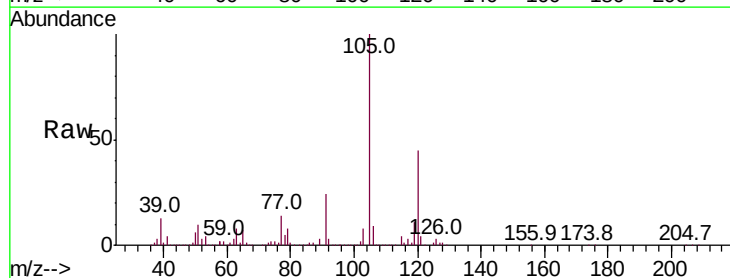


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

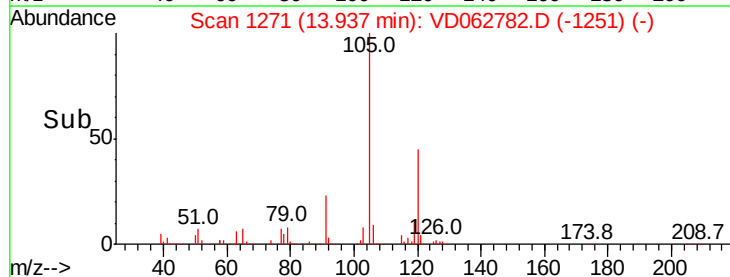
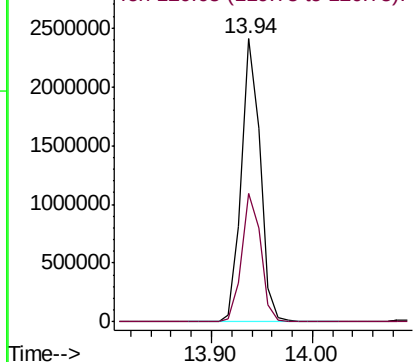


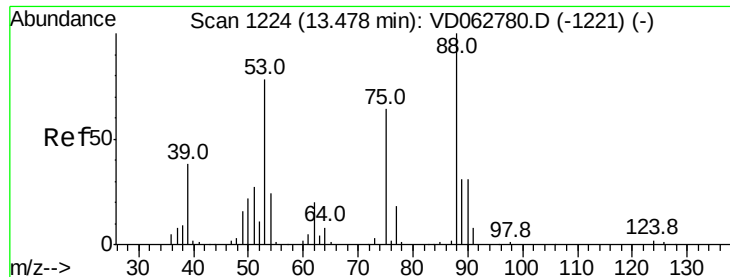
#80
1,3,5-Trimethylbenzene
Concen: 89.661 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

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



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#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

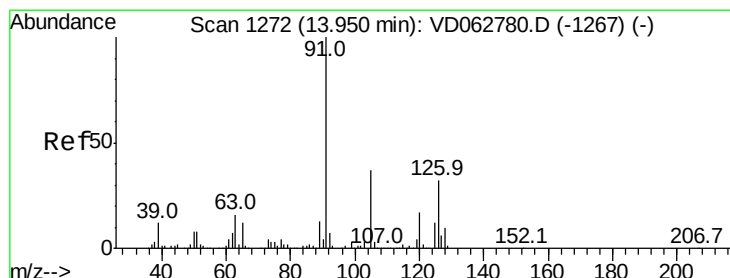
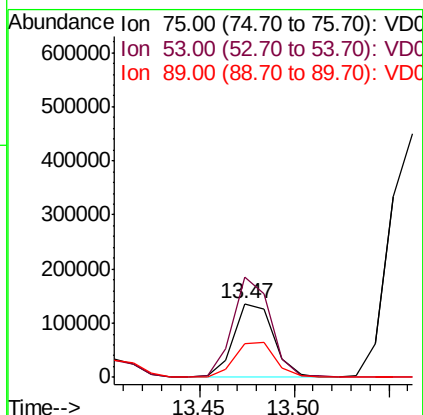
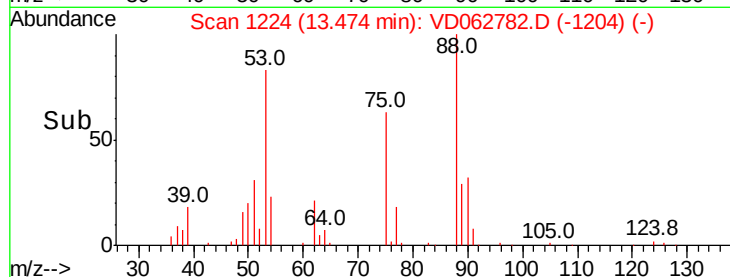
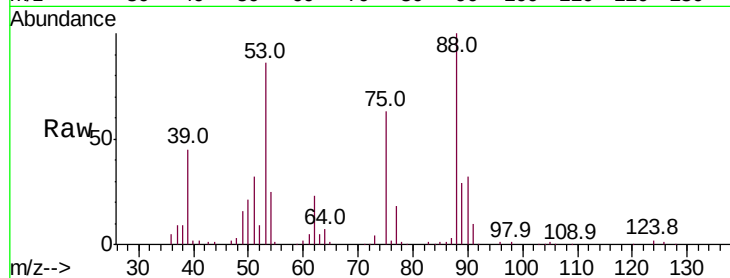
Tot Ion: 75 Resp: 199150

Ion Ratio Lower Upper

75 100

53 135.5 97.8 146.8

89 46.4 39.4 59.2



#82

4-Chlorotoluene

Concen: 91.162 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062782.D

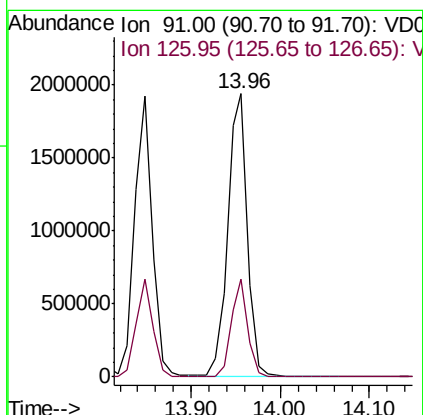
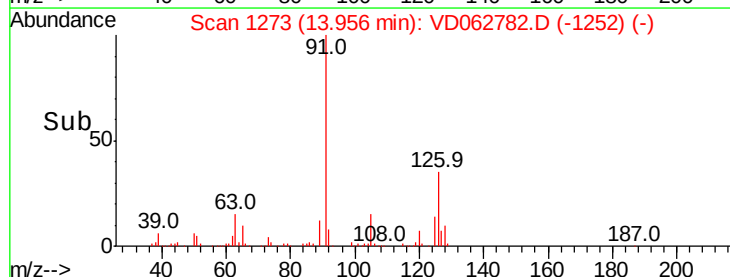
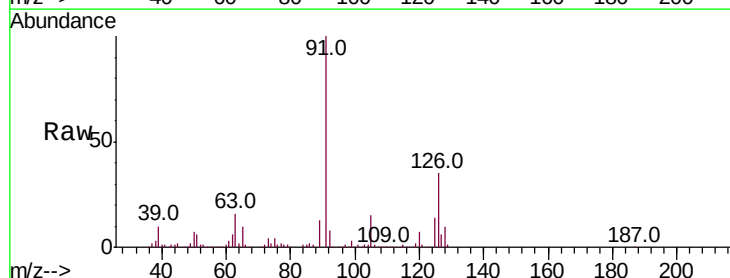
Acq: 19 Jun 2019 16:34

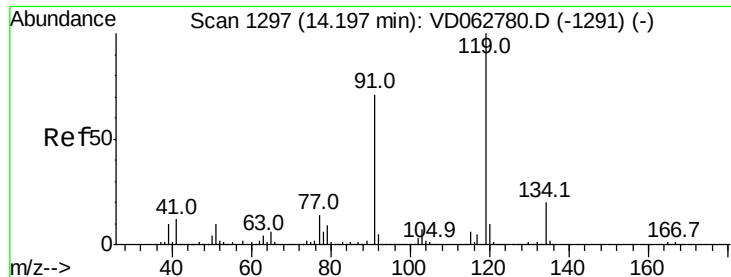
Tgt Ion: 91 Resp: 3012479

Ion Ratio Lower Upper

91 100

126 34.6 16.0 47.9



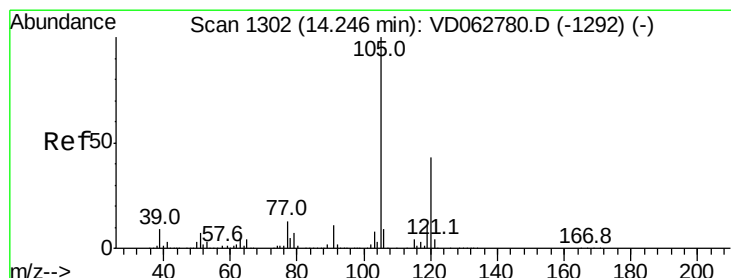
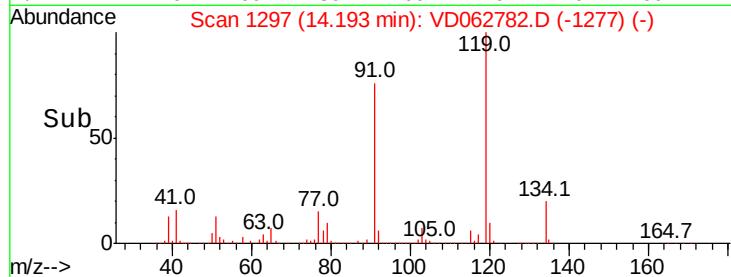
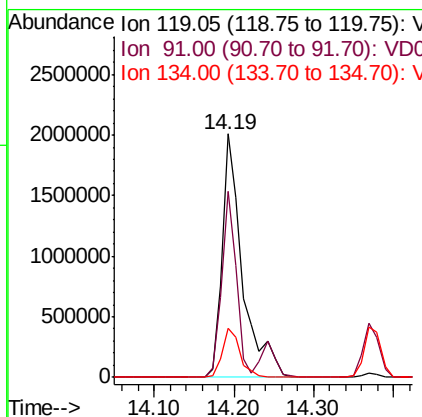
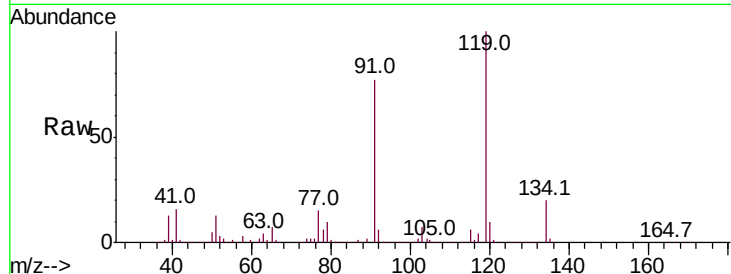


#83
 tert-Butylbenzene
 Concen: 93.492 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 3612193

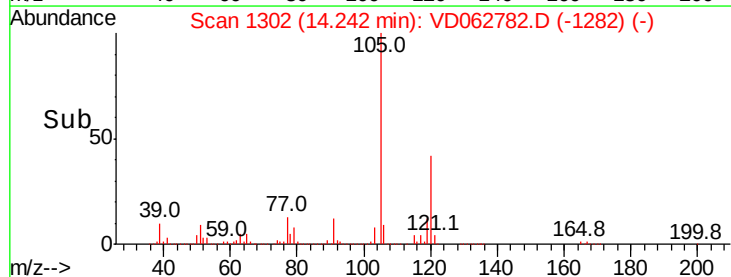
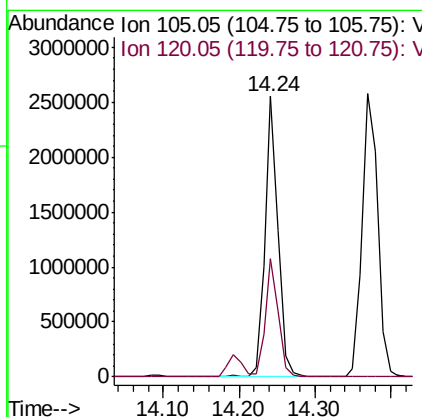
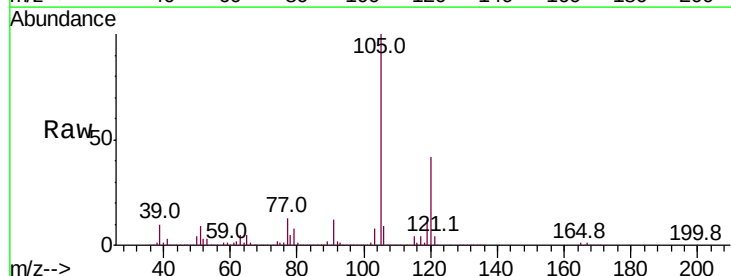
Ion	Ratio	Lower	Upper
119	100		
91	76.6	35.5	106.5
134	20.2	10.2	30.6

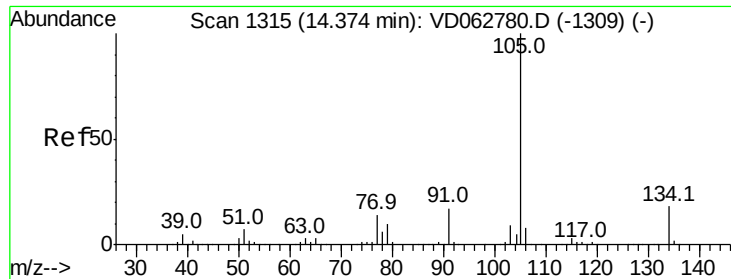


#84
 1,2,4-Trimethylbenzene
 Concen: 87.503 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

Tgt Ion:105 Resp: 3108744

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.3	63.9





#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 :

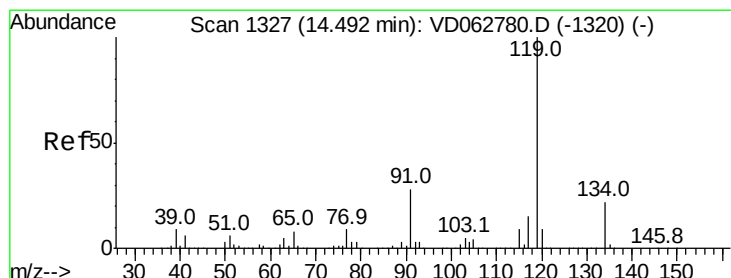
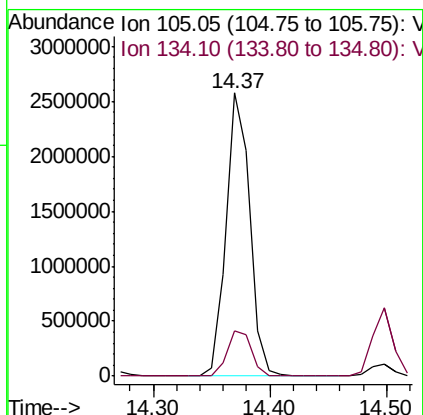
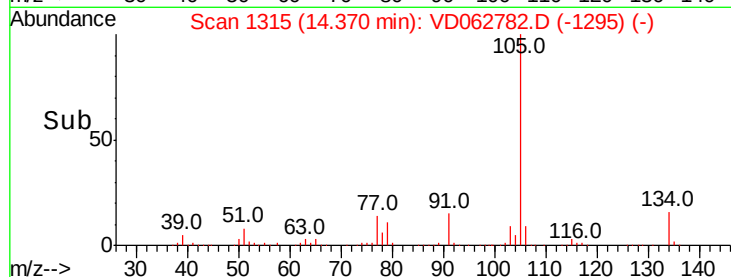
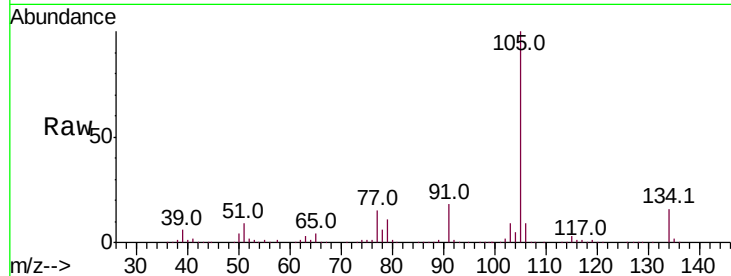
VSTDIC100

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

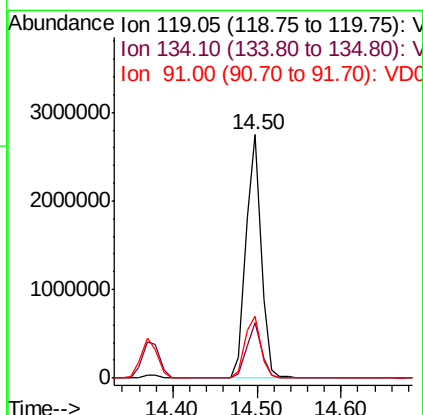
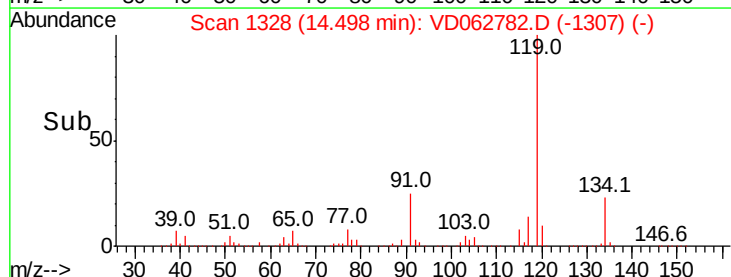
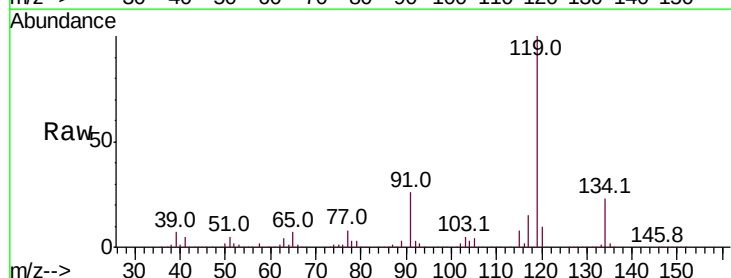
Tgt Ion:119 Resp: 3453072

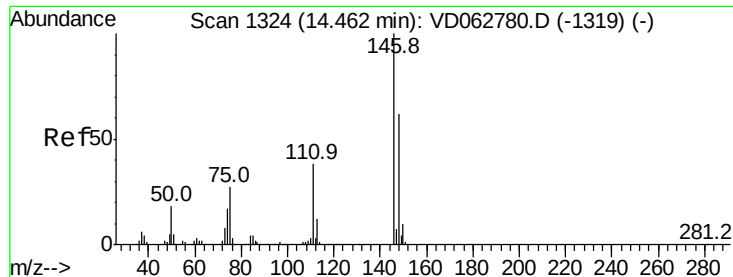
Ion Ratio Lower Upper

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 :

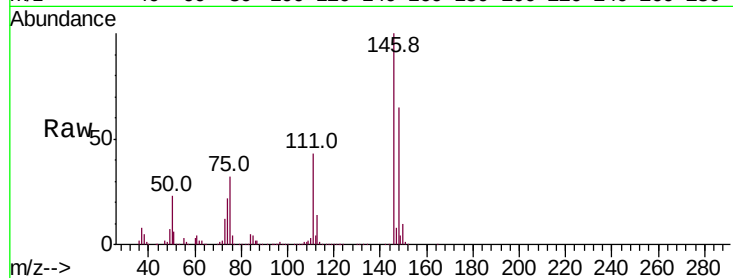
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1834796

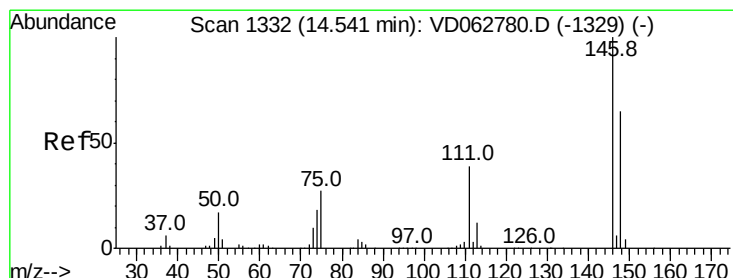
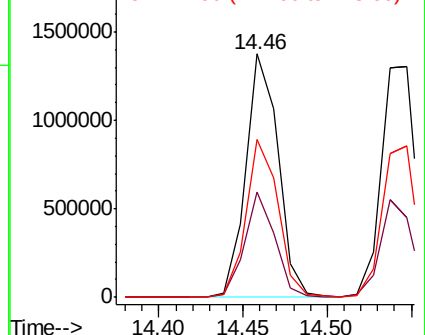
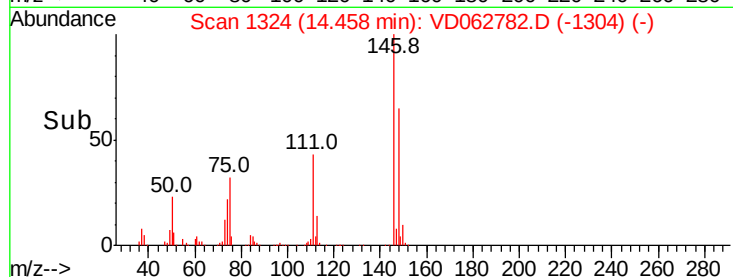
Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.0	57.0
148	64.8	30.8	92.3



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



#88

1,4-Dichlorobenzene

Concen: 94.506 ug/l

RT: 14.55 min Scan# 1333

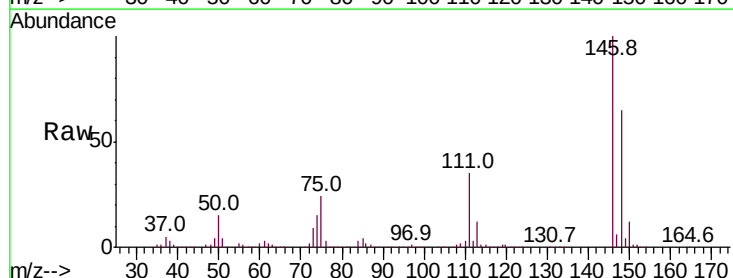
Delta R.T. 0.01 min

Lab File: VD062782.D

Acq: 19 Jun 2019 16:34

Tgt Ion:146 Resp: 1888625

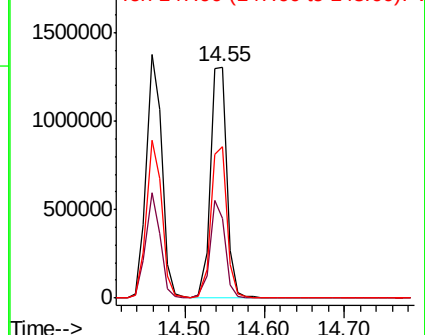
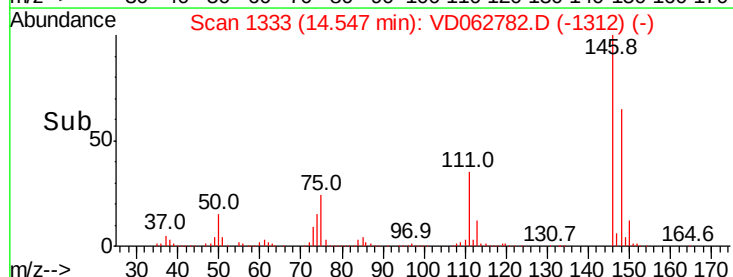
Ion	Ratio	Lower	Upper
146	100		
111	34.7	19.7	59.1
148	65.4	32.8	98.3

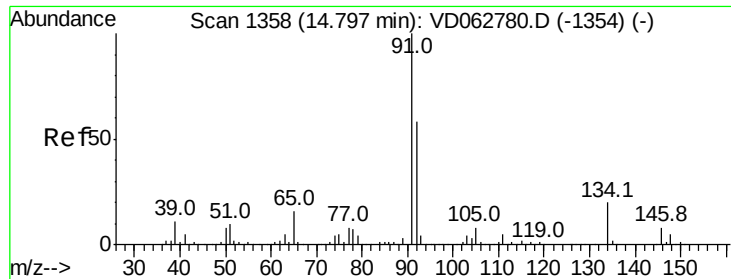


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

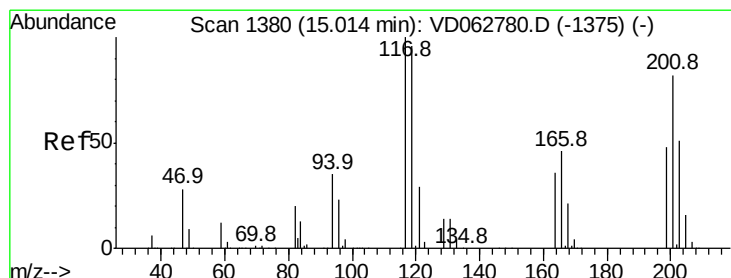
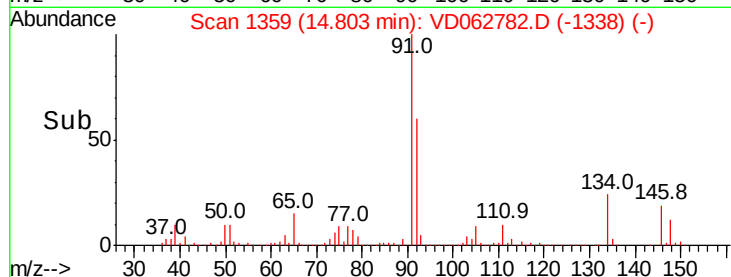
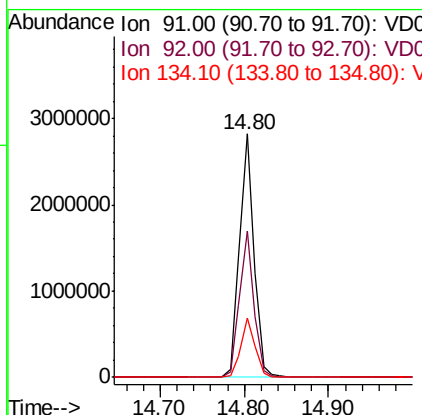
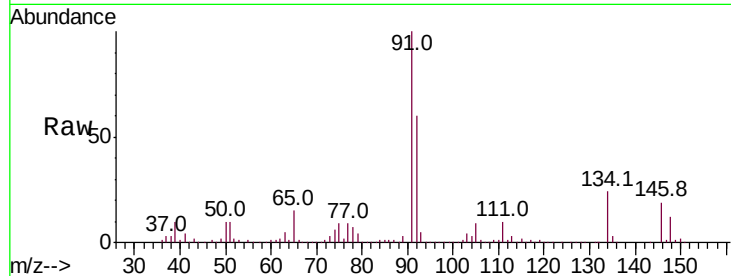




#89
n-Butylbenzene
Concen: 93.360 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062782.D
Acq: 19 Jun 2019 16:34

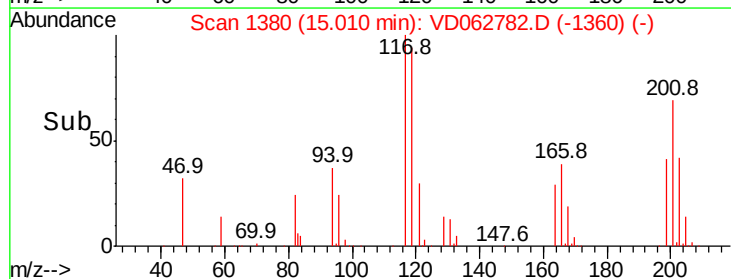
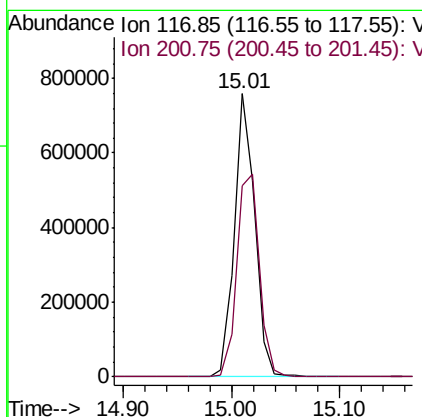
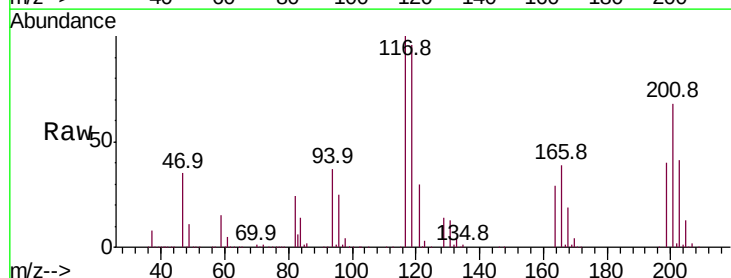
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

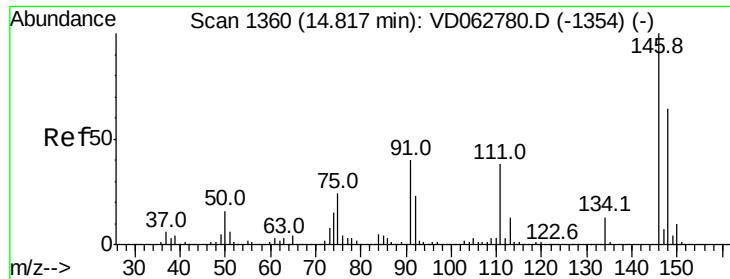
Tot Ion: 91 Resp: 3356894
Ion Ratio Lower Upper
91 100
92 60.1 28.9 86.7
134 24.2 10.1 30.3



#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

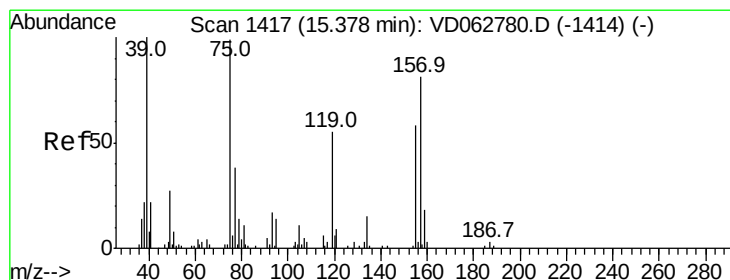
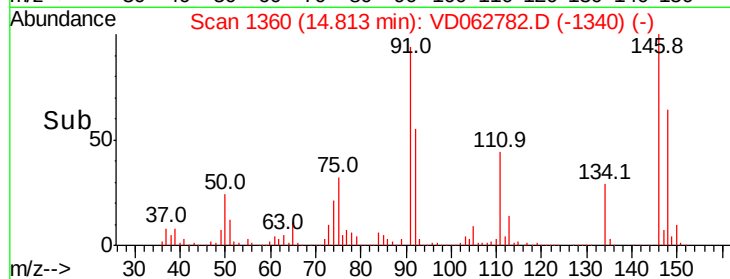
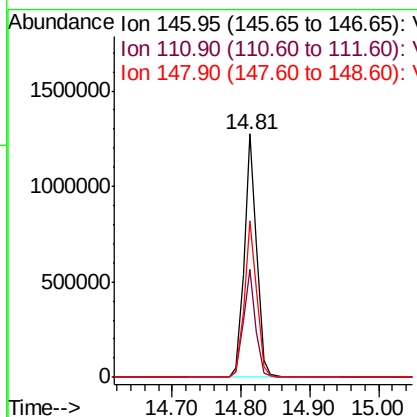
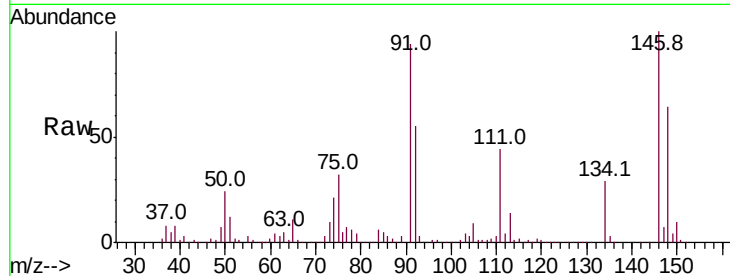




#91
 1,2-Dichlorobenzene
 Concen: 93.006 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

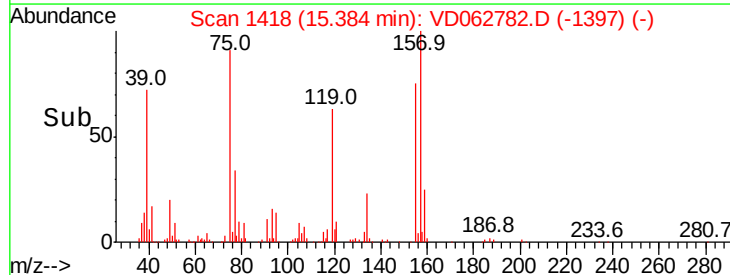
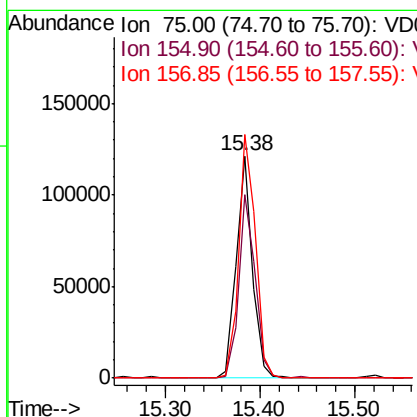
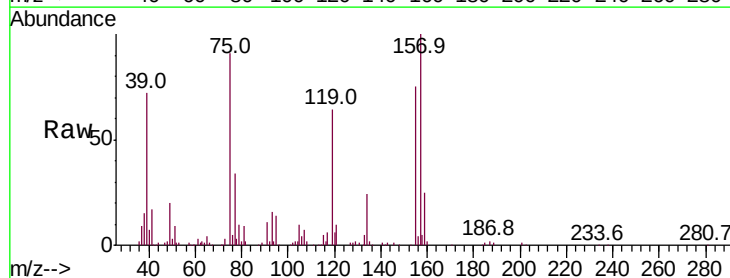
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

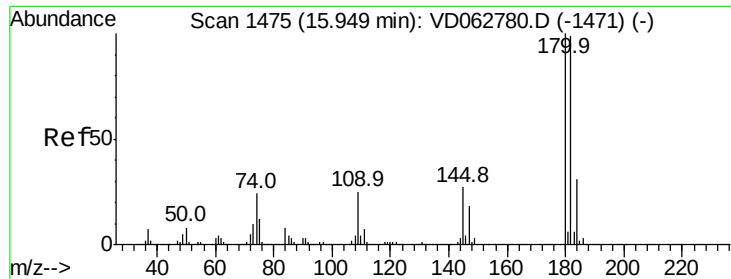
Tot Ion:146 Resp: 1583246
 Ion Ratio Lower Upper
 146 100
 111 44.3 19.1 57.1
 148 64.2 32.3 96.8



#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

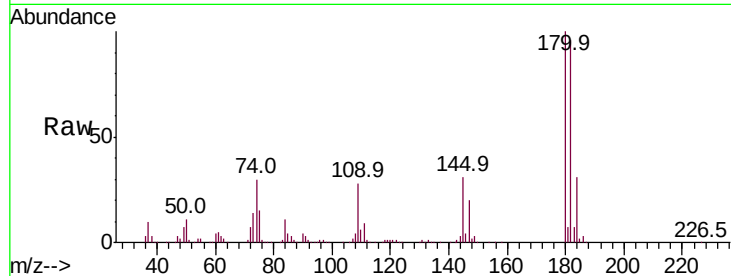




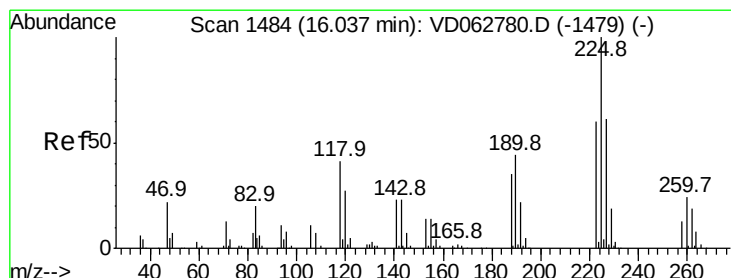
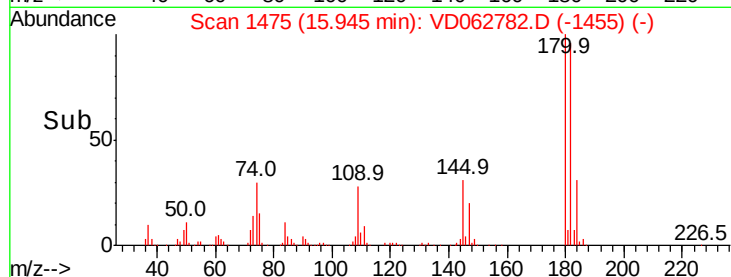
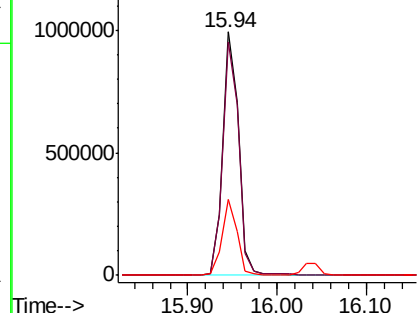
#93
 1,2,4-Trichlorobenzene
 Concen: 93.466 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

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

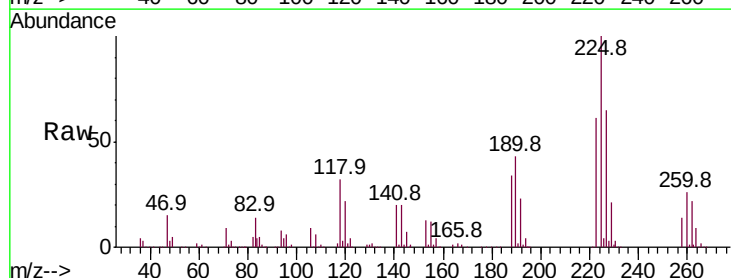


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

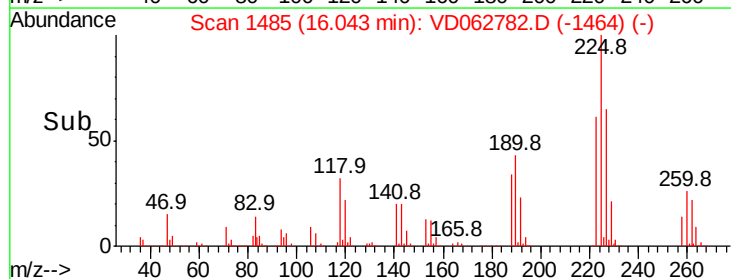
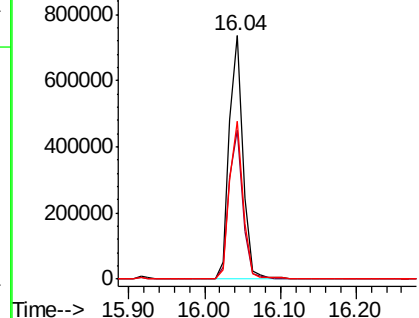


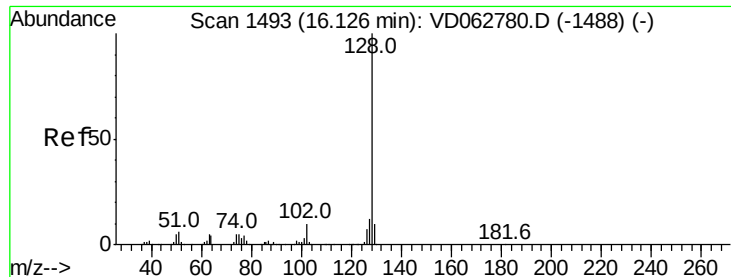
#94
 Hexachlorobutadiene
 Concen: 91.950 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062782.D
 Acq: 19 Jun 2019 16:34

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

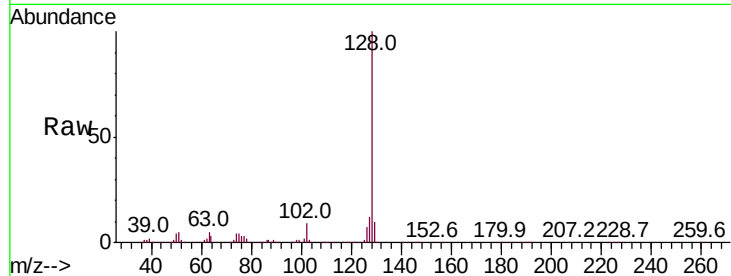
Tot Ion:128 Resp: 1781111

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

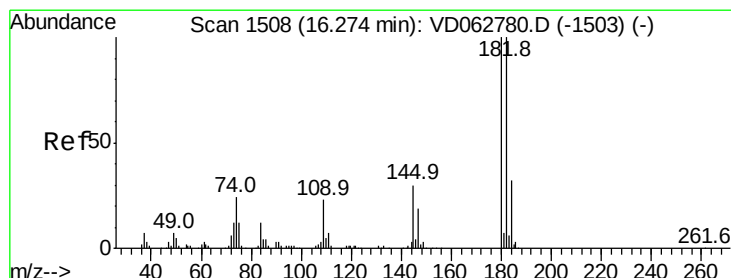
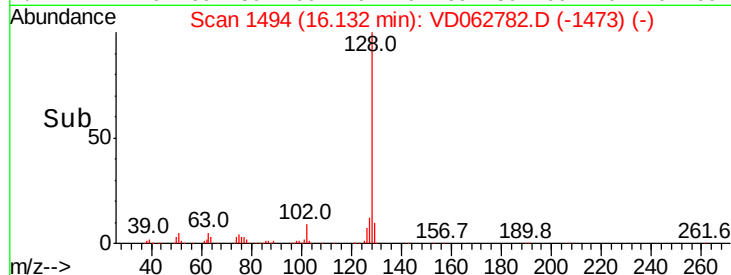
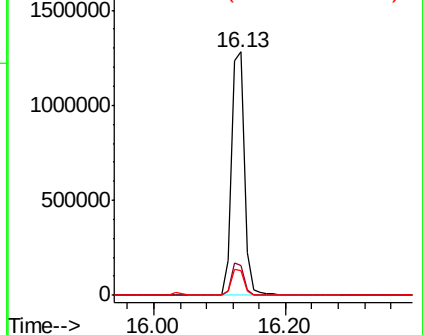
129 10.3 8.3 12.5



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

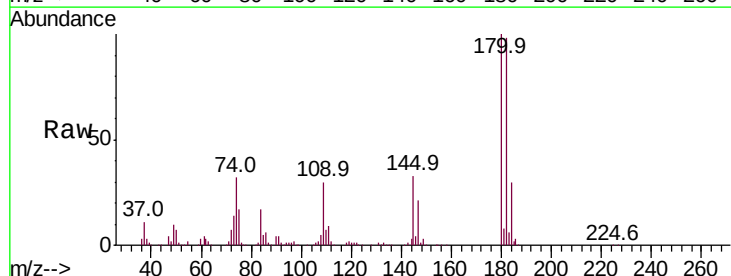
Tgt Ion:180 Resp: 963516

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

