

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062781.D
 Acq On : 19 Jun 2019 16:07
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 20 01:48:55 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	938955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1321059	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1148423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	615170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	837185	81.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.90%	
35) Dibromofluoromethane	6.93	113	846105	75.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.92%	
50) Toluene-d8	10.41	98	1973796	81.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.82%	
62) 4-Bromofluorobenzene	13.56	95	816238	74.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	894977	73.585	ug/l	98
3) Chloromethane	1.75	50	658479	71.987	ug/l	94
4) Vinyl Chloride	1.85	62	672065	74.107	ug/l	95
5) Bromomethane	2.16	94	310203	73.039	ug/l	88
6) Chloroethane	2.26	64	282000	68.682	ug/l	95
7) Trichlorofluoromethane	2.53	101	1416133	77.158	ug/l	99
8) Diethyl Ether	2.87	74	172442	73.949	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.15	101	784438	78.894	ug/l	96
10) Methyl Iodide	3.31	142	1115683	85.059	ug/l	98
11) Tert butyl alcohol	4.08	59	172439	370.584	ug/l	100
12) 1,1-Dichloroethene	3.13	96	582537	78.099	ug/l	87
13) Acrolein	3.04	56	180573	380.142	ug/l	97
14) Allyl chloride	3.62	41	827408	75.156	ug/l	96
15) Acrylonitrile	4.20	53	436375	399.154	ug/l	95
16) Acetone	3.23	43	798198	349.135	ug/l	93
17) Carbon Disulfide	3.38	76	1796962	75.485	ug/l	96
18) Methyl Acetate	3.65	43	245591	79.635	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	1268641	78.570	ug/l	95
20) Methylene Chloride	3.82	84	565671	72.602	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	624619	78.649	ug/l	94
22) Diisopropyl ether	5.13	45	1760929	78.567	ug/l	95
23) Vinyl Acetate	5.07	43	5653538	402.316	ug/l	98
24) 1,1-Dichloroethane	4.99	63	1144690	78.442	ug/l	99
25) 2-Butanone	6.08	43	779448	407.959	ug/l	98
26) 2,2-Dichloropropane	6.03	77	1198219	77.466	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	631205	75.155	ug/l	98
28) Bromochloromethane	6.45	49	387884	75.469	ug/l	94
29) Tetrahydrofuran	6.47	42	357929	395.937	ug/l	98
30) Chloroform	6.67	83	1322501	74.519	ug/l	97
31) Cyclohexane	6.96	56	753915	78.589	ug/l	90
32) 1,1,1-Trichloroethane	6.88	97	1413765	76.483	ug/l	95
36) 1,1-Dichloropropene	7.16	75	907351	72.555	ug/l	94
37) Ethyl Acetate	6.19	43	398568	69.594	ug/l	97
38) Carbon Tetrachloride	7.12	117	1392682m	72.714	ug/l	

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	809771	73.562	ug/l	97
40) Benzene	7.46	78	1840304	73.311	ug/l	97
41) Methacrylonitrile	6.46	41	482092	73.099	ug/l	95
42) 1,2-Dichloroethane	7.59	62	1050458	76.708	ug/l	100
43) Isopropyl Acetate	9.24	43	540176	82.390	ug/l #	97
44) Trichloroethene	8.55	130	743213	75.519	ug/l	88
45) 1,2-Dichloropropane	8.95	63	466871	74.796	ug/l	98
46) Dibromomethane	9.08	93	408536	76.192	ug/l	92
47) Bromodichloromethane	9.38	83	1013360	72.770	ug/l	98
48) Methyl methacrylate	9.14	41	339670	72.904	ug/l	95
49) 1,4-Dioxane	9.09	88	60670	1565.184	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	1768685	380.494	ug/l	99
52) Toluene	10.51	92	1210941	71.763	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	892460	78.301	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	937459	75.672	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	426889	73.636	ug/l	94
56) Ethyl methacrylate	11.05	69	471959	76.177	ug/l	97
57) 1,3-Dichloropropane	11.42	76	702728	79.166	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	1224312	384.921	ug/l	99
59) 2-Hexanone	11.54	43	1246909	376.649	ug/l	97
60) Dibromochloromethane	11.69	129	845521	78.301	ug/l	95
61) 1,2-Dibromoethane	11.81	107	537766	78.541	ug/l	96
64) Tetrachloroethene	11.26	164	693561	73.379	ug/l	95
65) Chlorobenzene	12.40	112	1573139	73.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	742722	74.515	ug/l	95
67) Ethyl Benzene	12.53	91	2781046	72.677	ug/l	100
68) m/p-Xylenes	12.68	106	1907251	143.104	ug/l	96
69) o-Xylene	13.05	106	922625	75.727	ug/l	99
70) Styrene	13.08	104	1610983	75.280	ug/l	91
71) Bromoform	13.24	173	523350	76.635	ug/l	98
73) Isopropylbenzene	13.41	105	2869013	72.737	ug/l	99
74) N-amyl acetate	13.27	43	741767	77.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	466929	72.655	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	505860	71.231	ug/l	96
77) Bromobenzene	13.67	156	768425	72.430	ug/l	91
78) n-propylbenzene	13.78	91	3294245	71.757	ug/l	99
79) 2-Chlorotoluene	13.85	91	1759170	67.113	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	2485138	75.009	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	146162	78.529	ug/l	91
82) 4-Chlorotoluene	13.95	91	2279649	72.174	ug/l	95
83) tert-Butylbenzene	14.20	119	2528562	68.470	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	2320189	68.325	ug/l	100
85) sec-Butylbenzene	14.37	105	2875931	71.652	ug/l	98
86) p-Isopropyltoluene	14.50	119	2441256	66.484	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	1351737	71.078	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1386453	72.584	ug/l	99
89) n-Butylbenzene	14.81	91	2394973	69.686	ug/l	95
90) Hexachloroethane	15.01	117	724939	73.428	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	1143642	70.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	88420	70.490	ug/l #	54

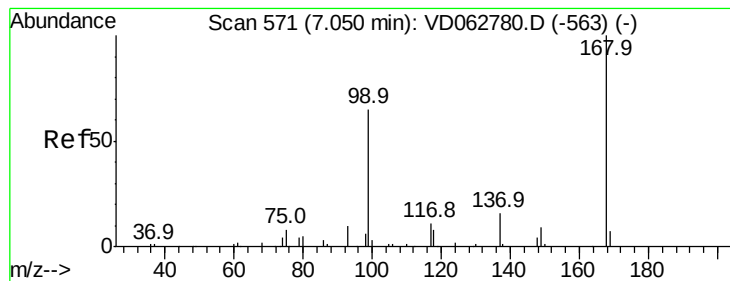
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061919\
Data File : VD062781.D
Acq On : 19 Jun 2019 16:07
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:31:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	902949	71.040	ug/l	97
94) Hexachlorobutadiene	16.04	225	665437	68.530	ug/l	96
95) Naphthalene	16.12	128	1288928	72.351	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	693039	70.965	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: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

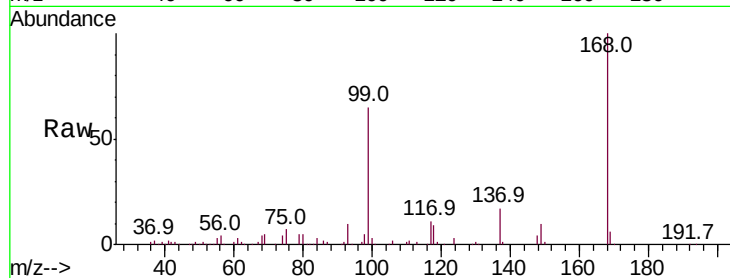
VSTDIC075

Tot Ion:168 Resp: 938955

Ion Ratio Lower Upper

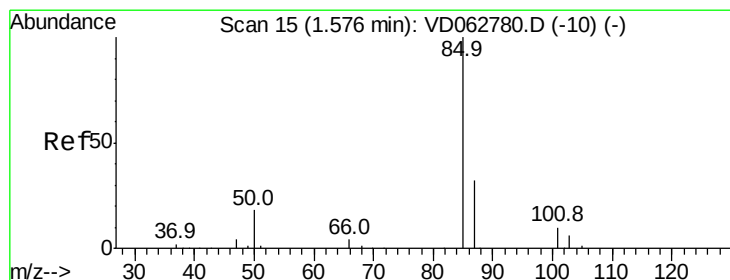
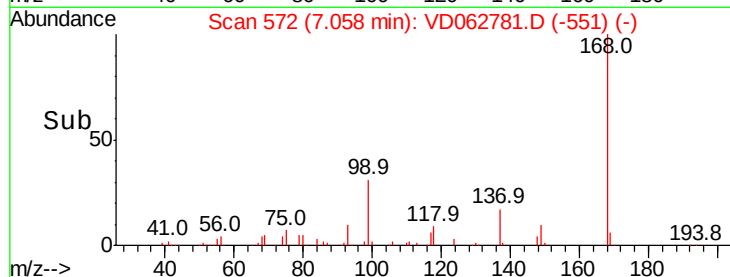
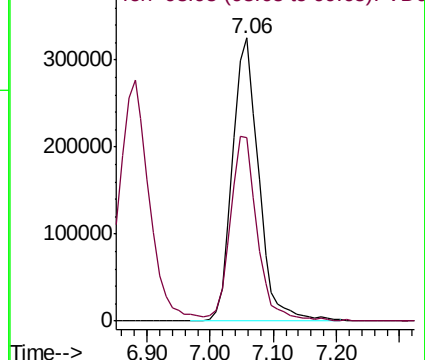
168 100

99 64.9 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: 73.585 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062781.D

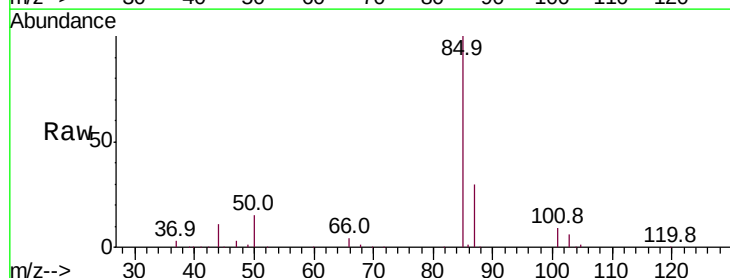
Acq: 19 Jun 2019 16:07

Tgt Ion: 85 Resp: 894977

Ion Ratio Lower Upper

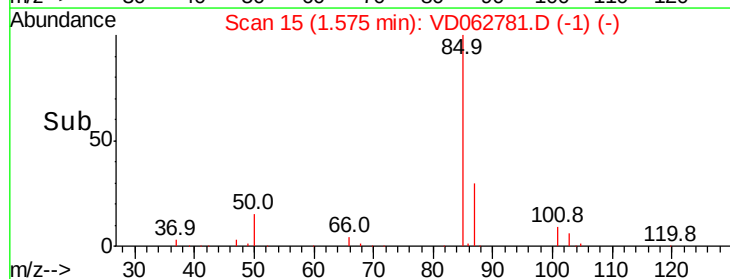
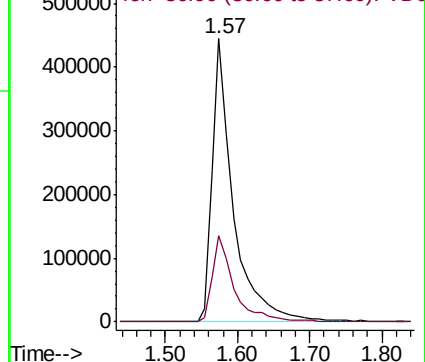
85 100

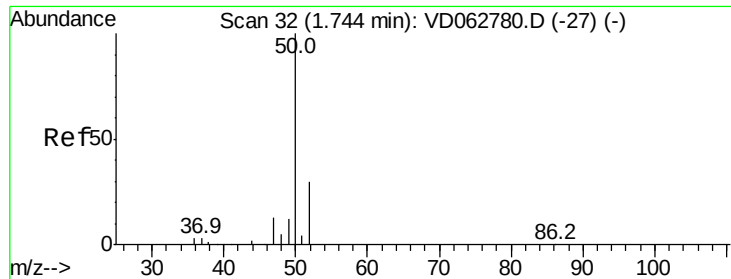
87 30.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 71.987 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

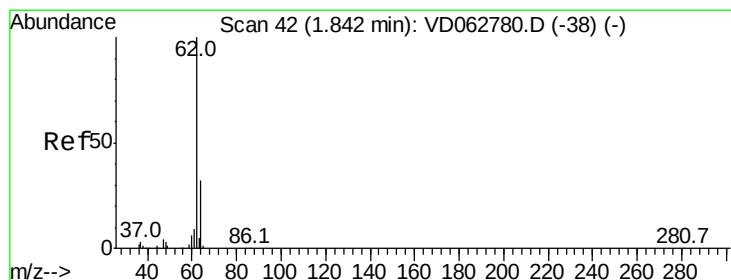
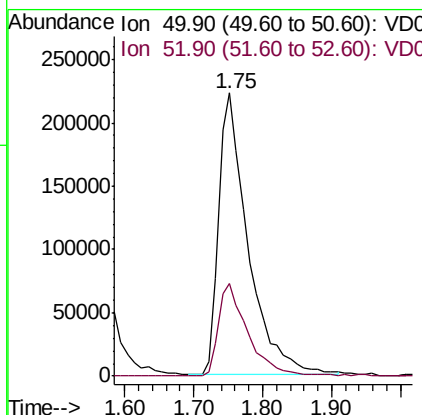
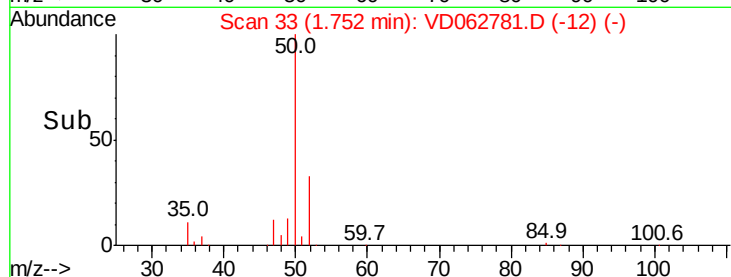
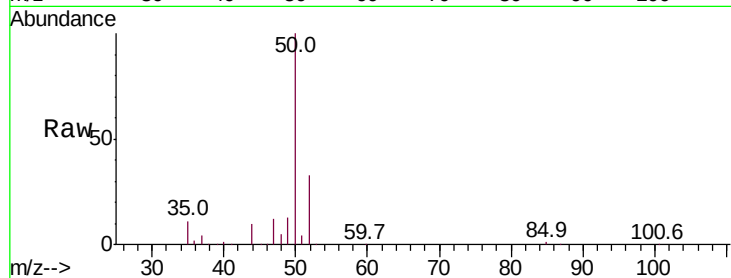
VSTDIC075

Tot Ion: 50 Resp: 658479

Ion Ratio Lower Upper

50 100

52 33.0 23.6 35.4



#4

Vinyl Chloride

Concen: 74.107 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062781.D

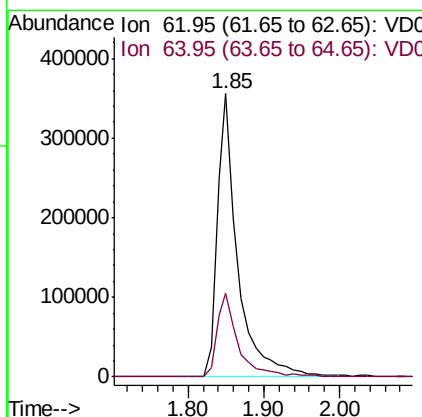
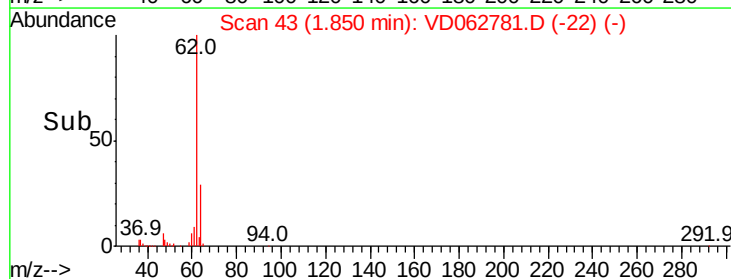
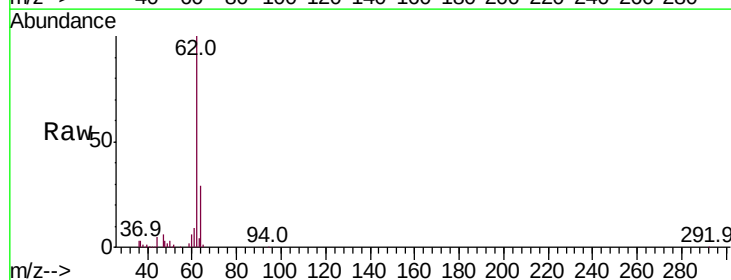
Acq: 19 Jun 2019 16:07

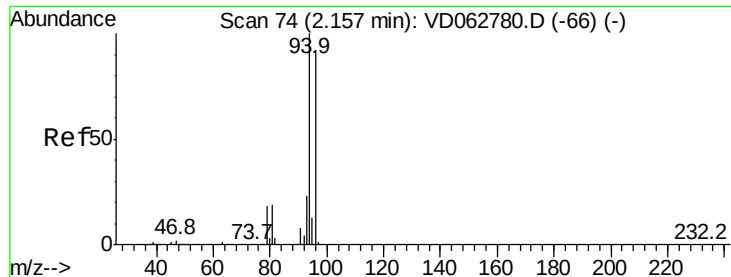
Tgt Ion: 62 Resp: 672065

Ion Ratio Lower Upper

62 100

64 29.4 25.6 38.4





#5

Bromomethane

Concen: 73.039 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

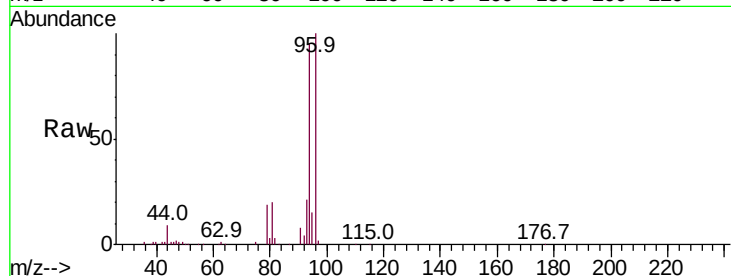
Tot Ion: 94 Resp: 310203

Ion Ratio Lower Upper

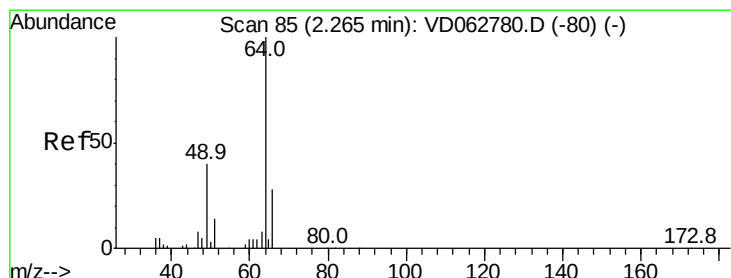
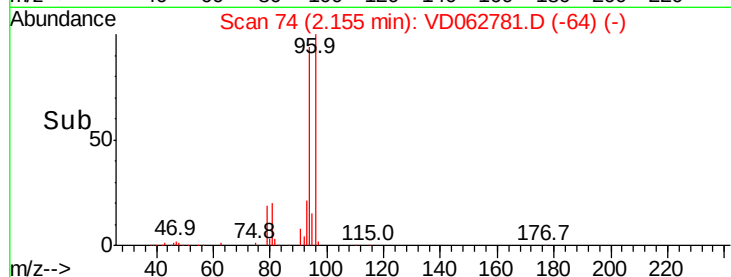
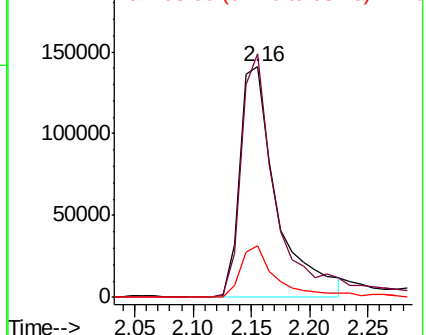
94 100

96 105.7 73.4 110.2

93 22.5 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: 68.682 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062781.D

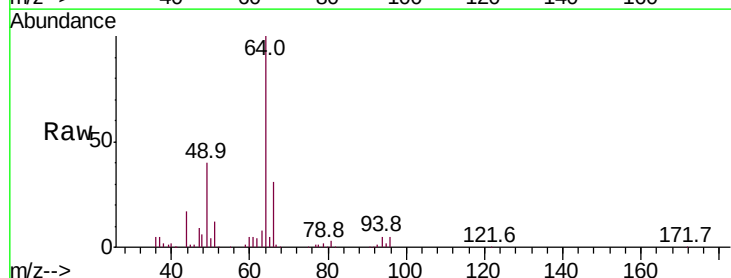
Acq: 19 Jun 2019 16:07

Tgt Ion: 64 Resp: 282000

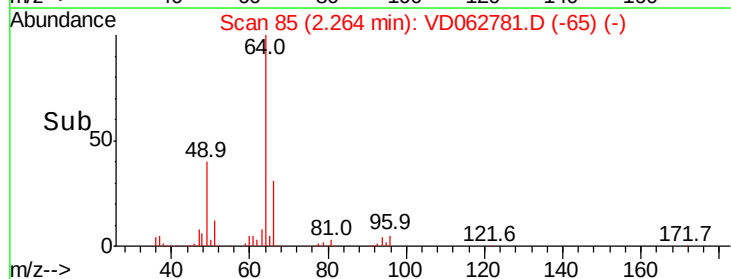
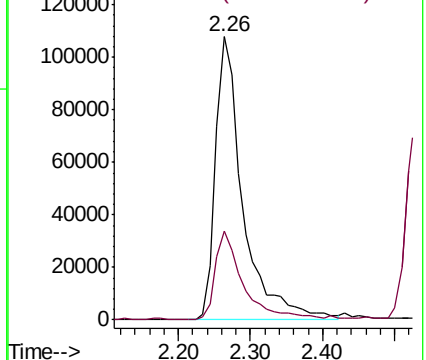
Ion Ratio Lower Upper

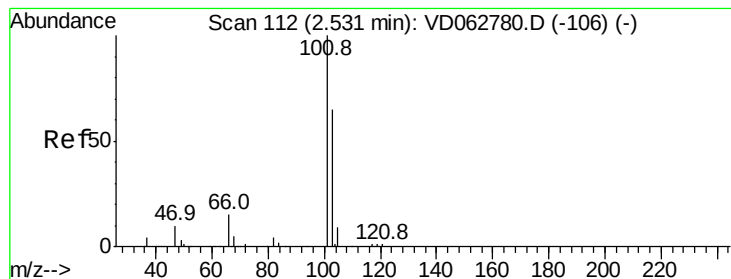
64 100

66 31.5 23.0 34.4



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



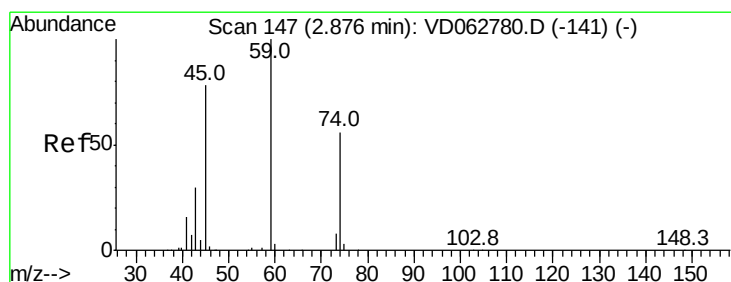
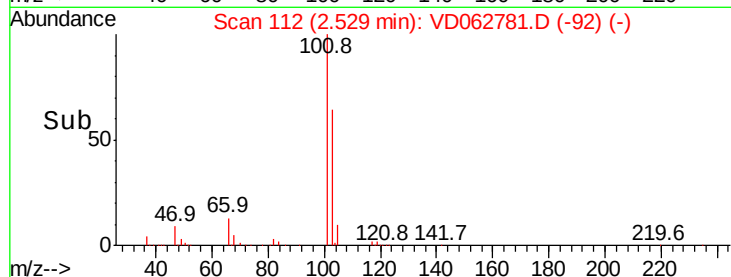
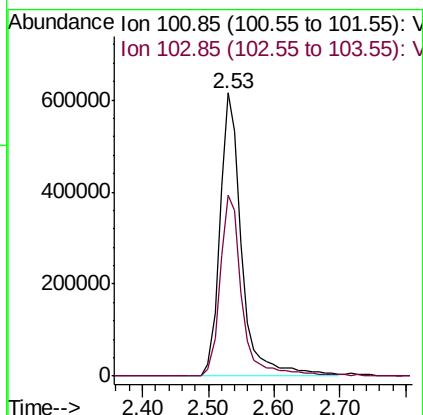
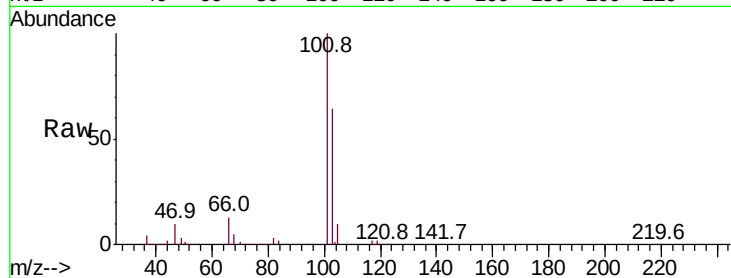


#7

Trichlorofluoromethane
Concen: 77.158 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
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VSTDIC075

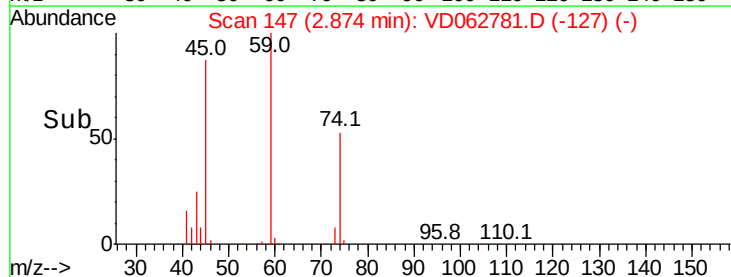
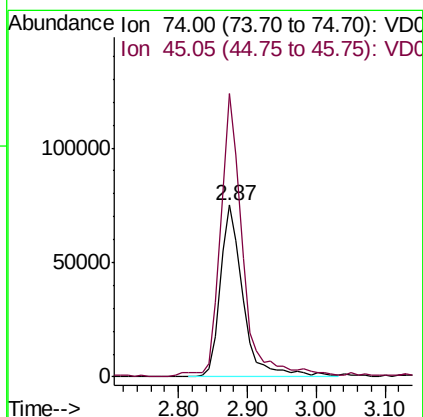
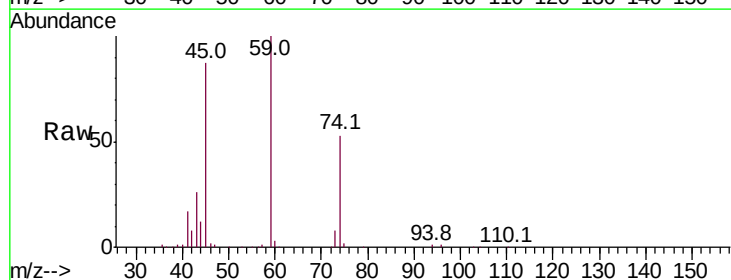
Tot Ion:101 Resp: 1416133
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

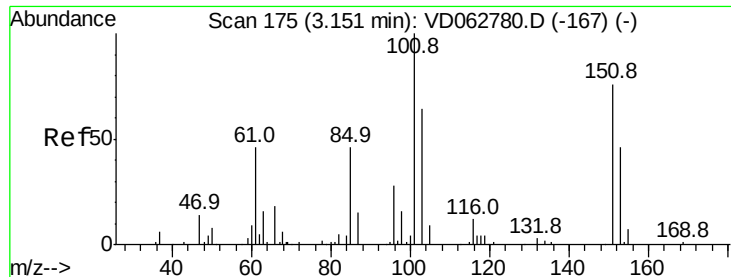


#8

Diethyl Ether
Concen: 73.949 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 74 Resp: 172442
Ion Ratio Lower Upper
74 100
45 164.6 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 78.894 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

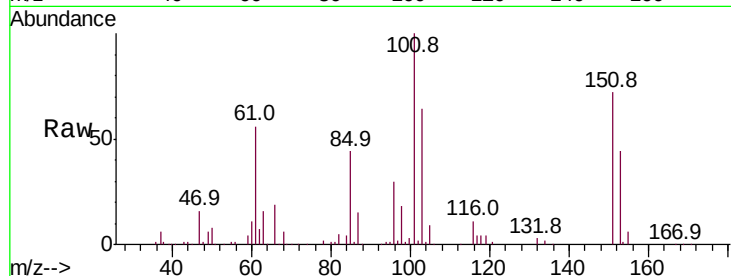
Tot Ion:101 Resp: 784438

Ion Ratio Lower Upper

101 100

85 43.9 37.0 55.4

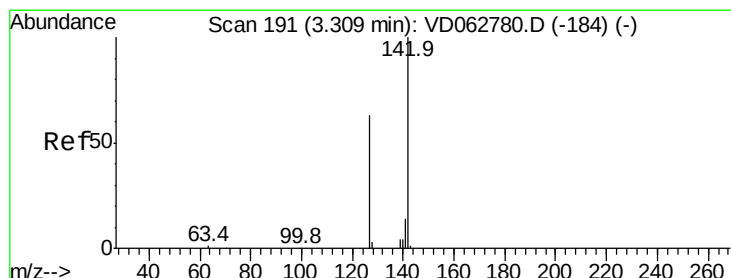
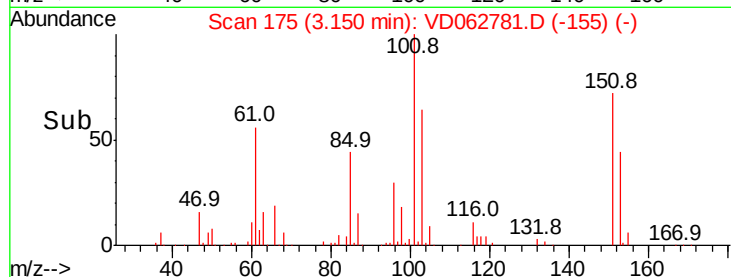
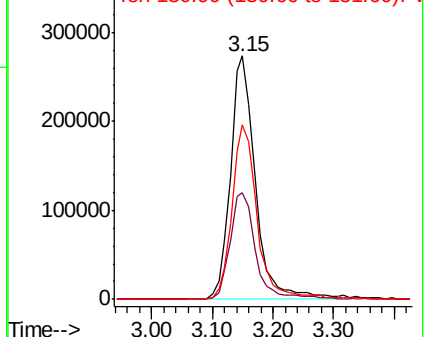
151 71.6 60.5 90.7



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: 85.059 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

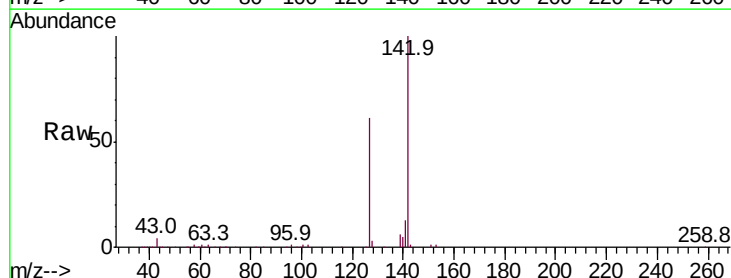
Tgt Ion:142 Resp: 1115683

Ion Ratio Lower Upper

142 100

127 60.7 50.1 75.1

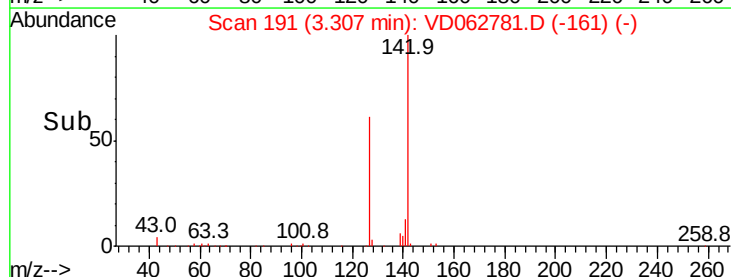
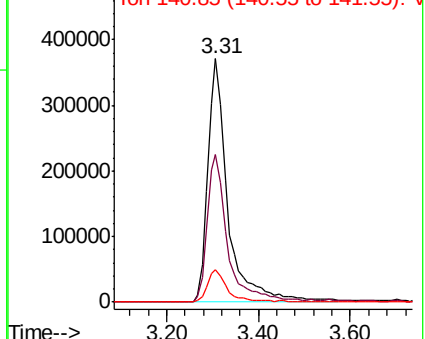
141 13.1 11.0 16.4

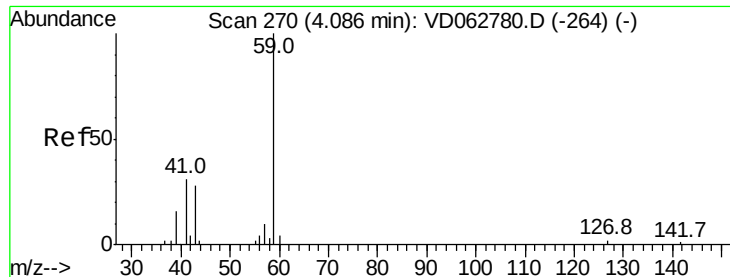


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



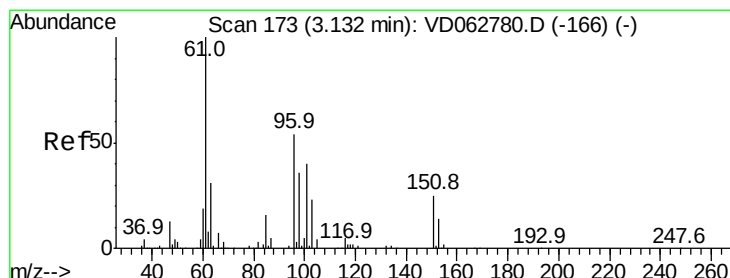
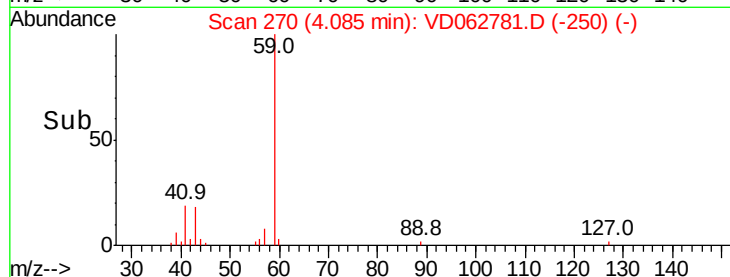
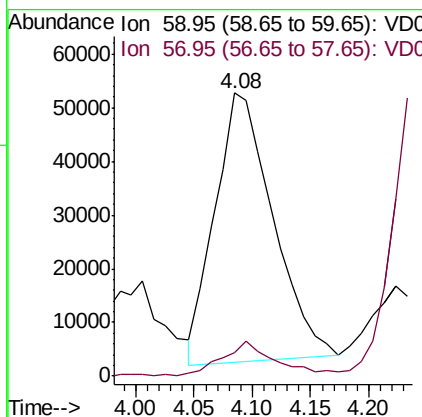
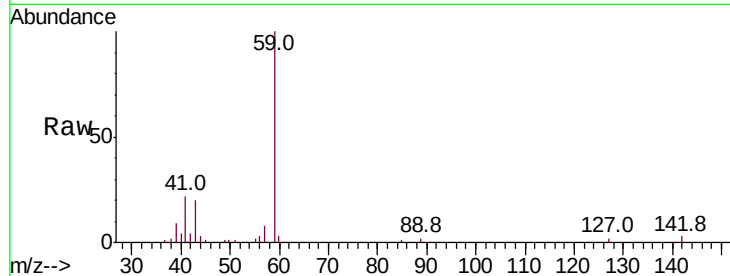


#11

Tert butyl alcohol
Concen: 370.584 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

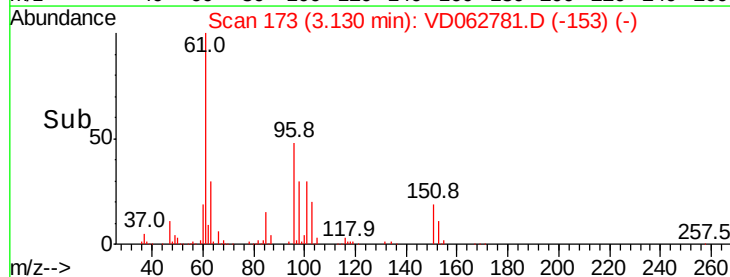
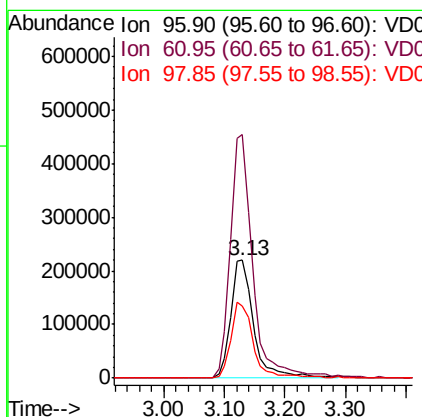
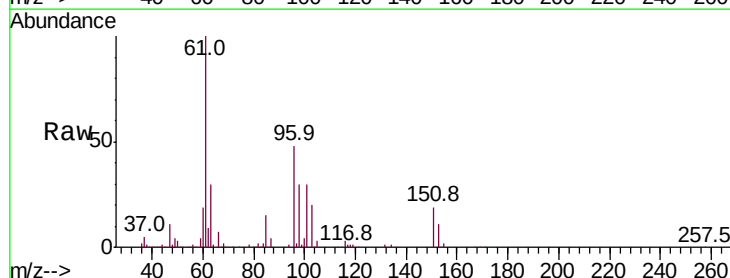
Tot Ion: 59 Resp: 172439
Ion Ratio Lower Upper
59 100
57 8.1 6.6 10.0

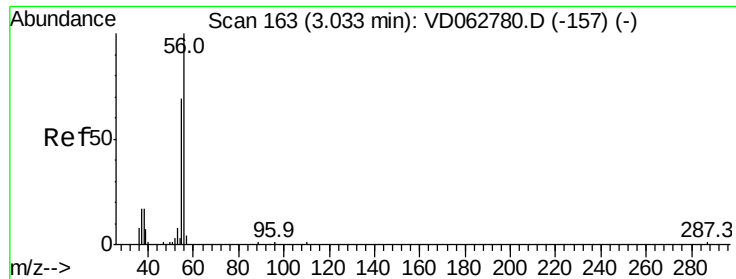


#12

1,1-Dichloroethene
Concen: 78.099 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 96 Resp: 582537
Ion Ratio Lower Upper
96 100
61 206.6 147.1 220.7
98 61.6 52.6 79.0





#13

Acrolein

Concen: 380.142 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

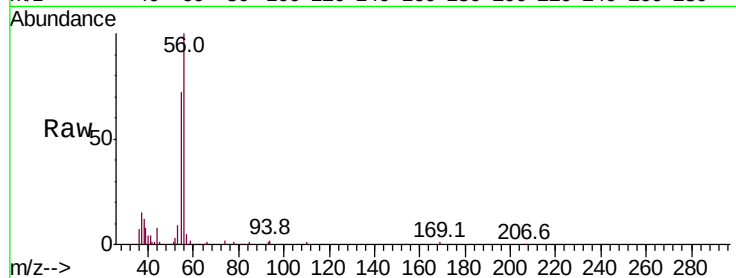
VSTDIC075

Tot Ion: 56 Resp: 180573

Ion Ratio Lower Upper

56 100

55 71.6 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

80000

60000

40000

20000

0

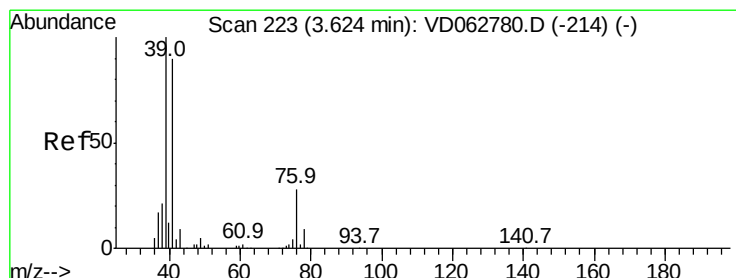
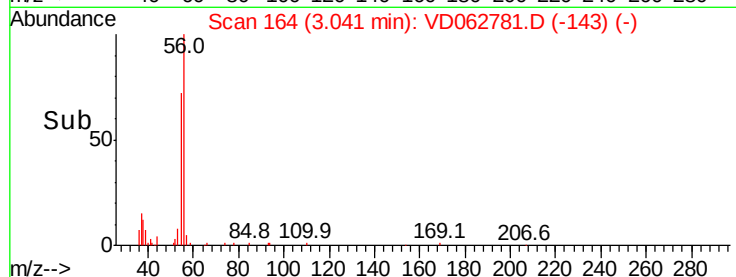
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 75.156 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

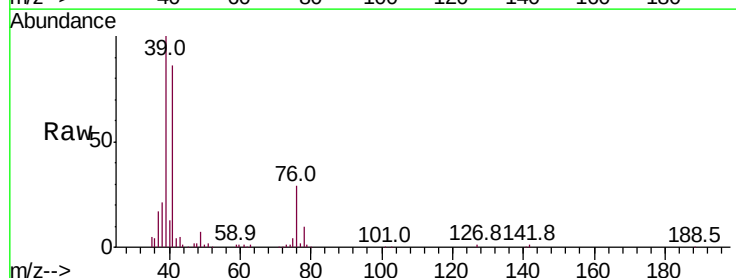
Tgt Ion: 41 Resp: 827408

Ion Ratio Lower Upper

41 100

39 116.0 88.8 133.2

76 33.7 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.62

400000

300000

200000

100000

0

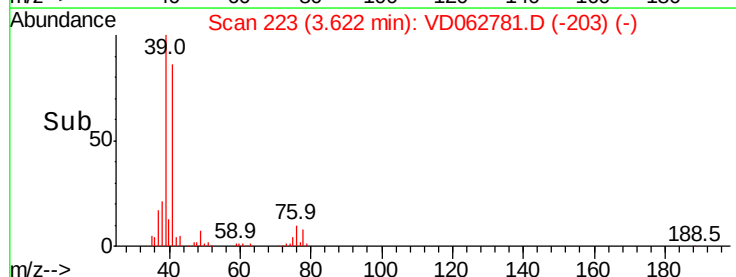
Time-->

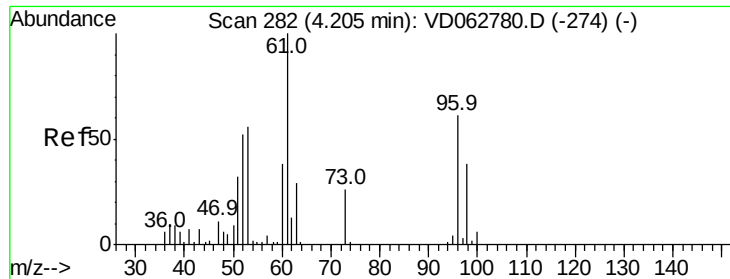
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 399.154 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

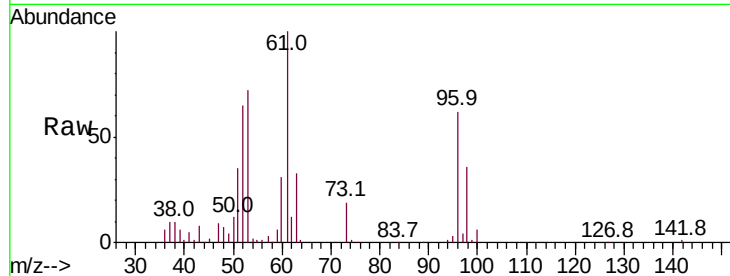
Tot Ion: 53 Resp: 436375

Ion Ratio Lower Upper

53 100

52 90.0 73.3 109.9

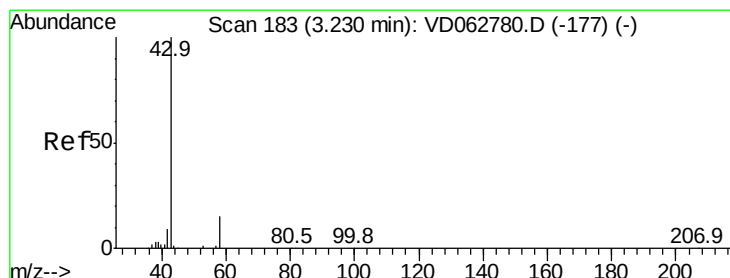
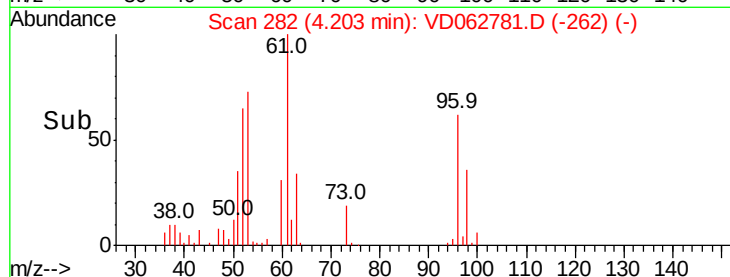
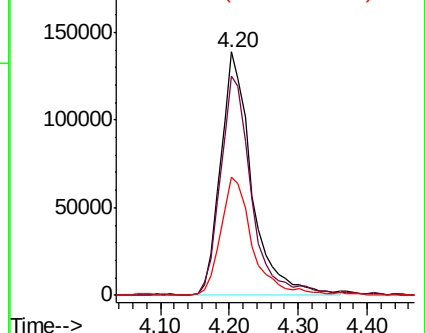
51 48.5 44.8 67.2



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: 349.135 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062781.D

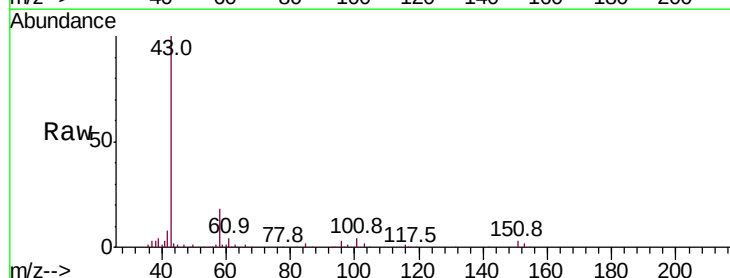
Acq: 19 Jun 2019 16:07

Tgt Ion: 43 Resp: 798198

Ion Ratio Lower Upper

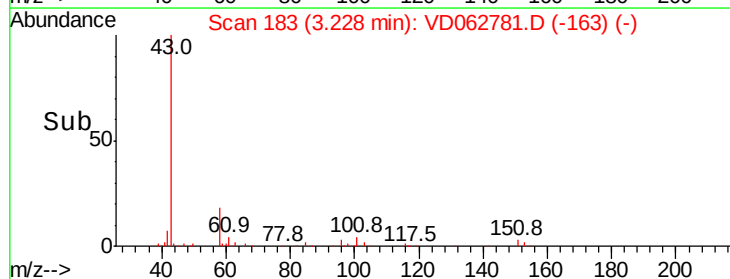
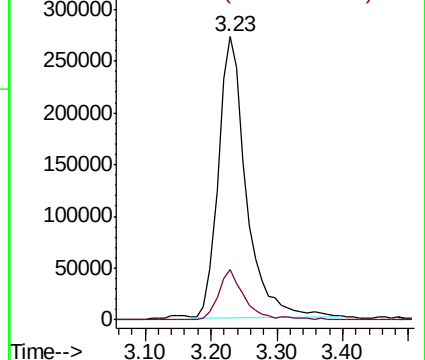
43 100

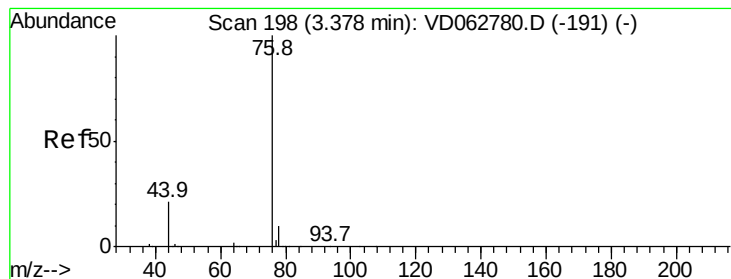
58 17.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 75.485 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

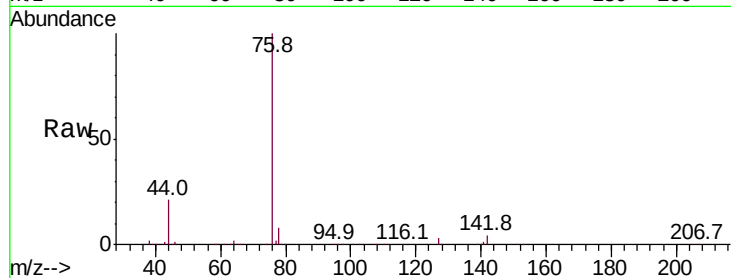
VSTDIC075

Tot Ion: 76 Resp: 1796962

Ion Ratio Lower Upper

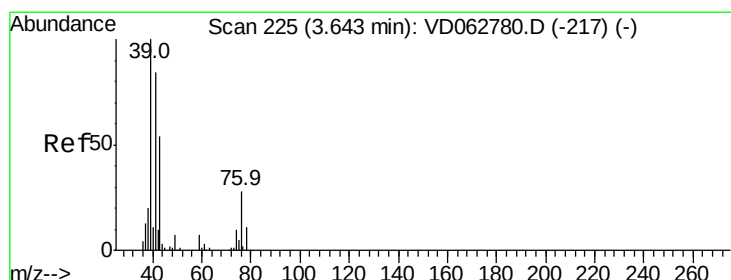
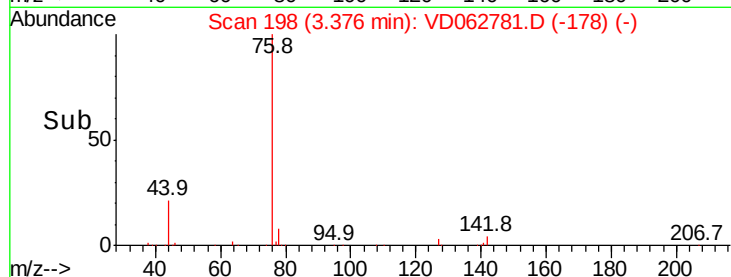
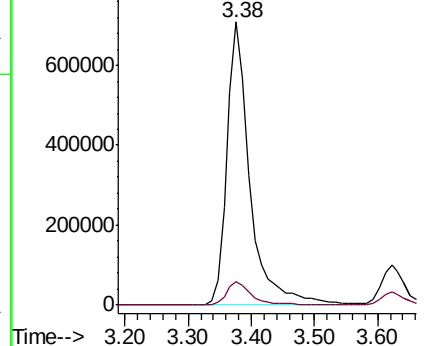
76 100

78 8.4 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: 79.635 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062781.D

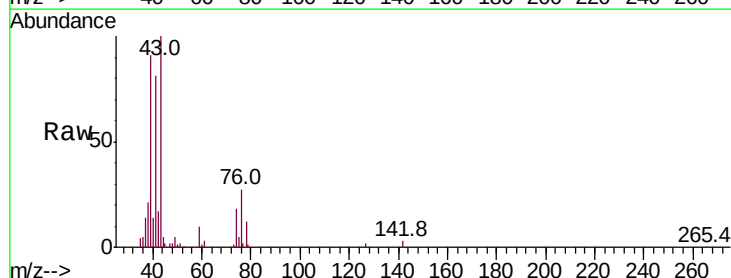
Acq: 19 Jun 2019 16:07

Tgt Ion: 43 Resp: 245591

Ion Ratio Lower Upper

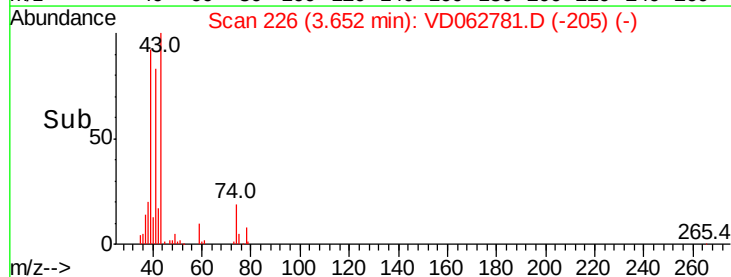
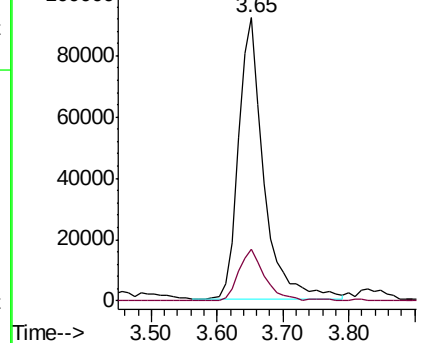
43 100

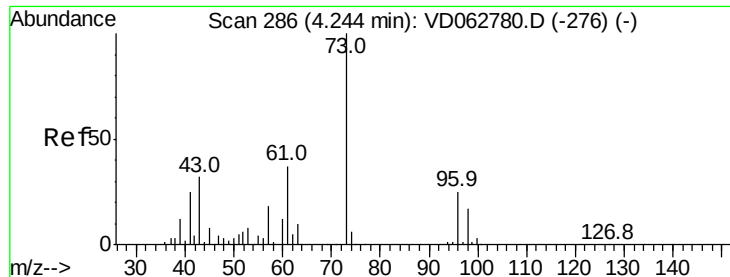
74 18.2 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



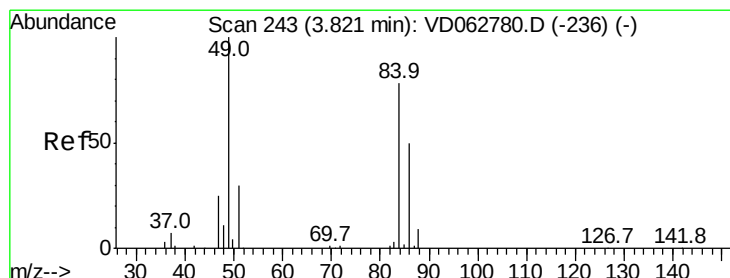
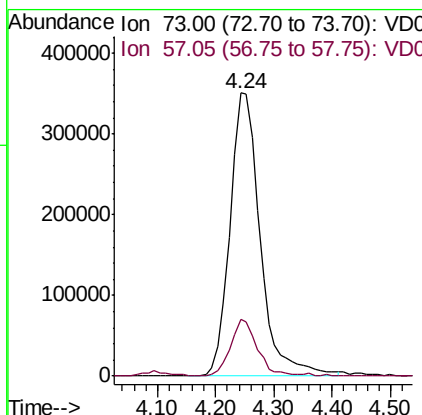
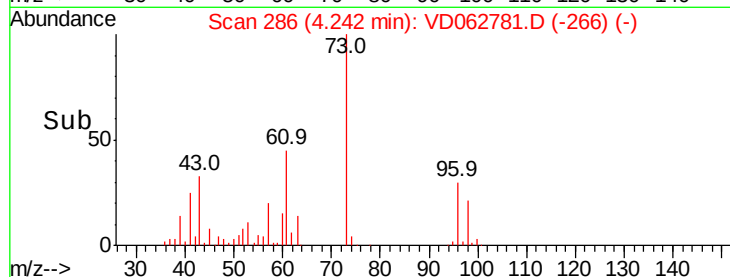
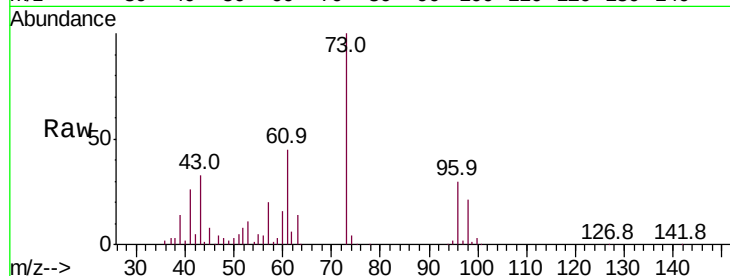


#19

Methyl tert-butyl Ether
 Concen: 78.570 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

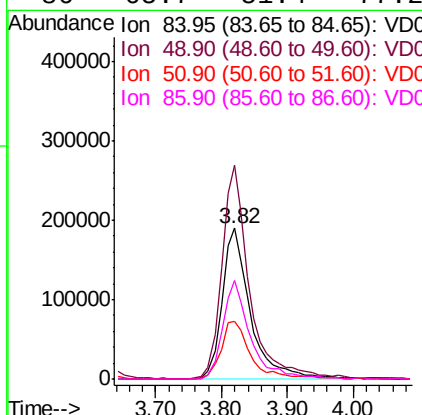
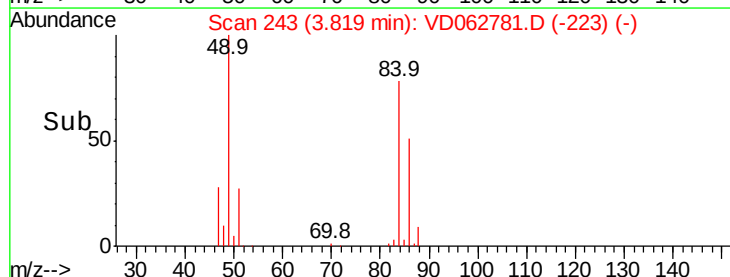
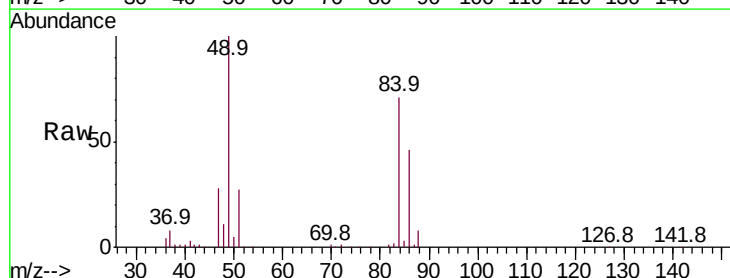
Tot Ion: 73 Resp: 1268641
 Ion Ratio Lower Upper
 73 100
 57 19.9 14.3 21.5

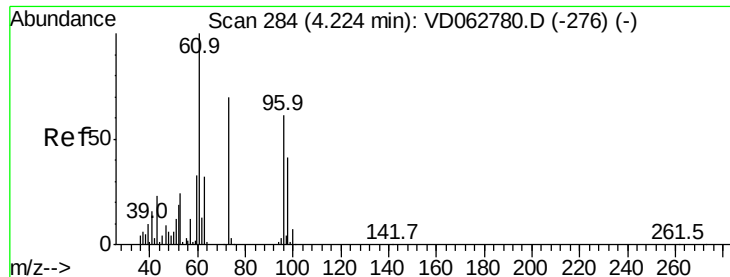


#20

Methylene Chloride
 Concen: 72.602 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 84 Resp: 565671
 Ion Ratio Lower Upper
 84 100
 49 141.6 102.9 154.3
 51 38.2 31.2 46.8
 86 65.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 78.649 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

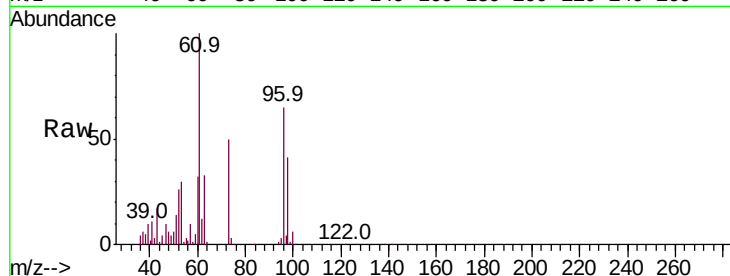
Tot Ion: 96 Resp: 624619

Ion Ratio Lower Upper

96 100

61 154.1 131.0 196.4

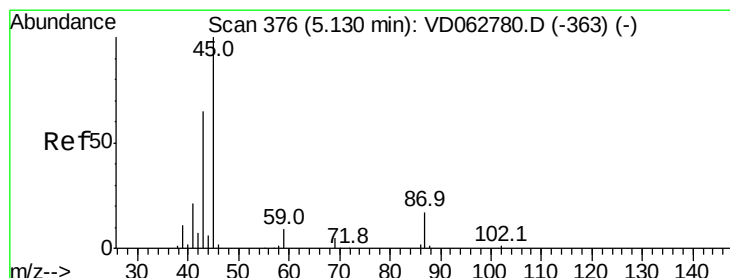
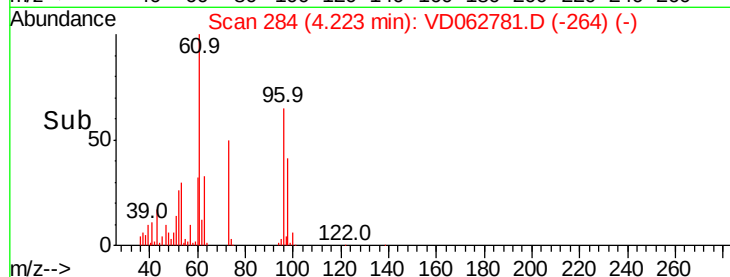
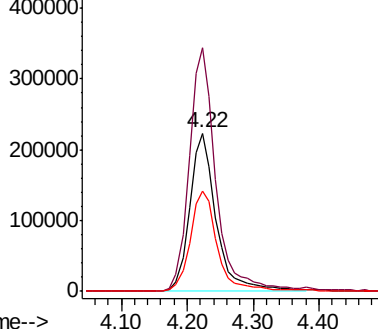
98 63.2 53.2 79.8



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: 78.567 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Tgt Ion: 45 Resp: 1760929

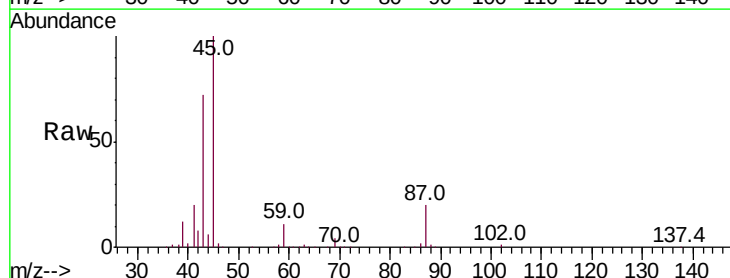
Ion Ratio Lower Upper

45 100

43 71.5 53.4 80.0

87 19.8 14.6 22.0

59 10.6 7.8 11.8

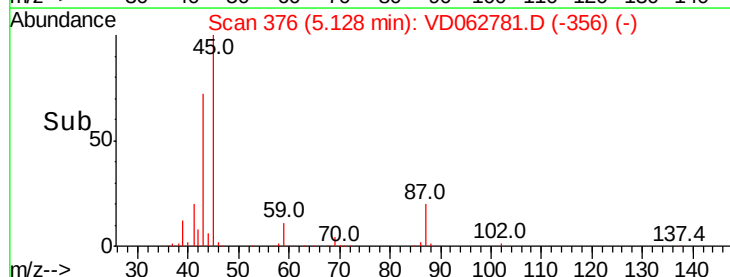
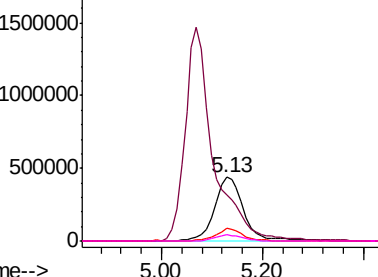


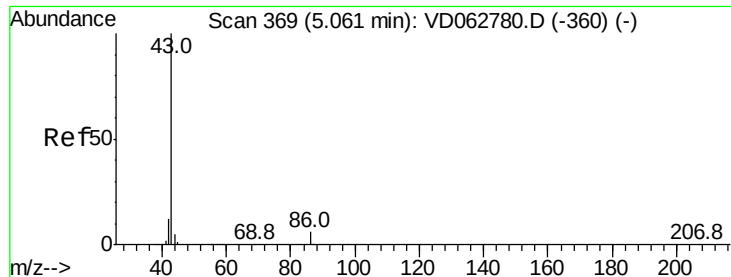
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 402.316 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

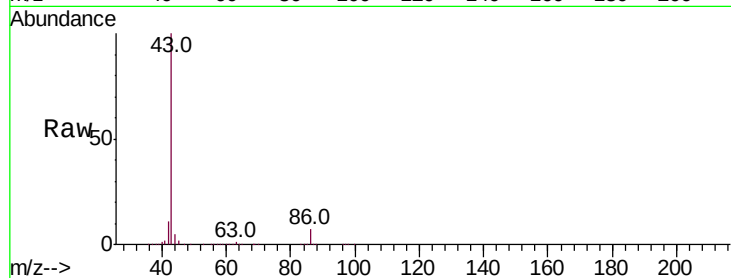
VSTDIC075

Tot Ion: 43 Resp: 5653538

Ion Ratio Lower Upper

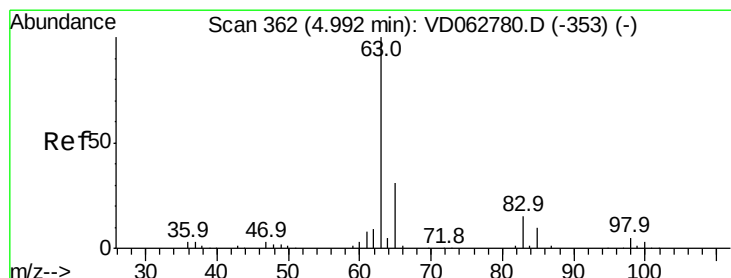
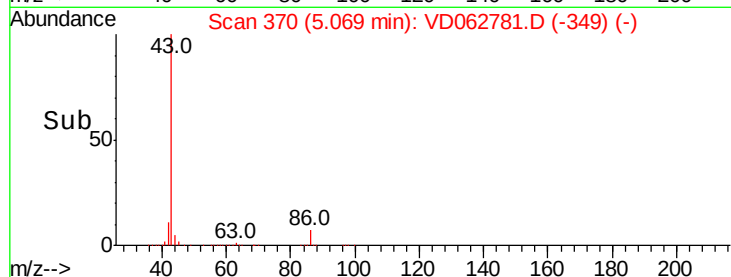
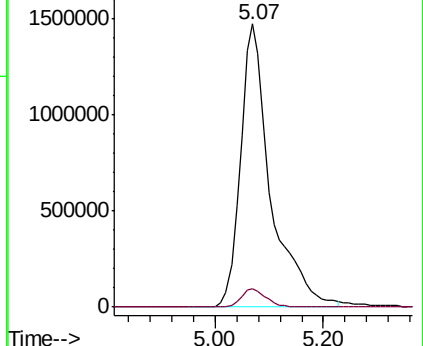
43 100

86 6.6 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: 78.442 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

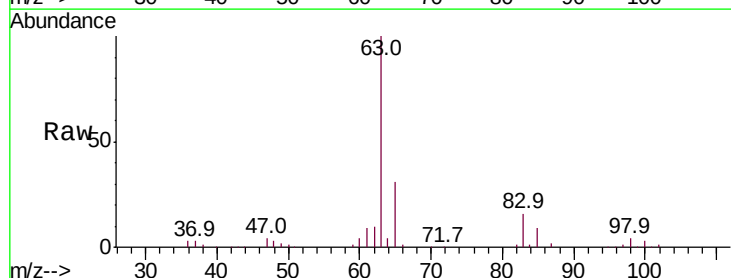
Tgt Ion: 63 Resp: 1144690

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

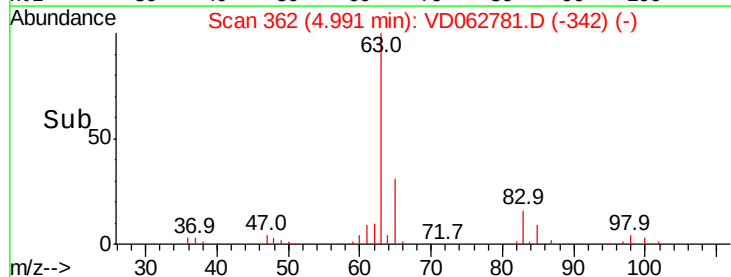
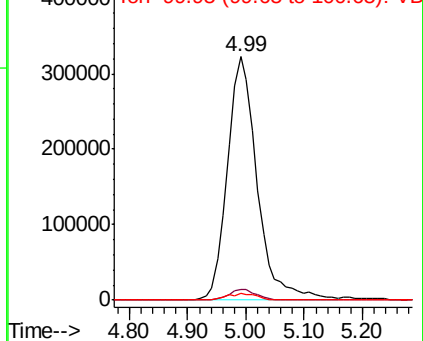
100 2.9 1.7 5.1

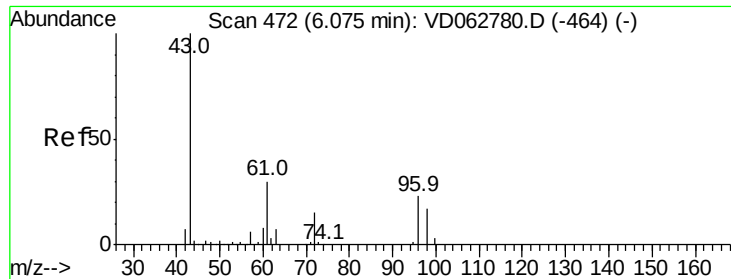


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 407.959 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

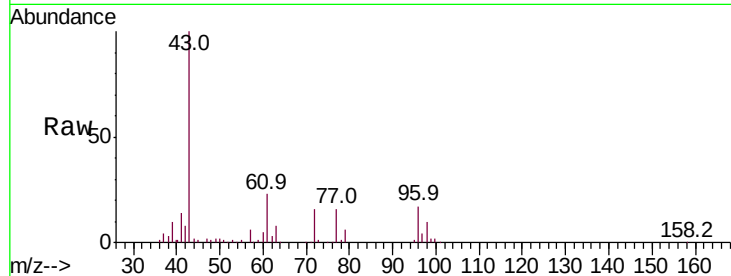
VSTDIC075

Tot Ion: 43 Resp: 779448

Ion Ratio Lower Upper

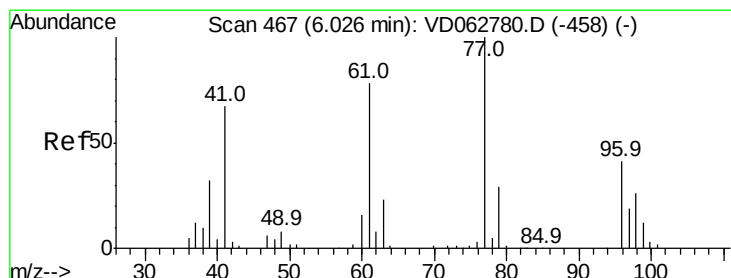
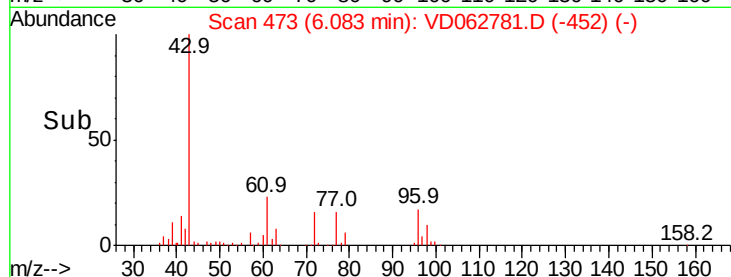
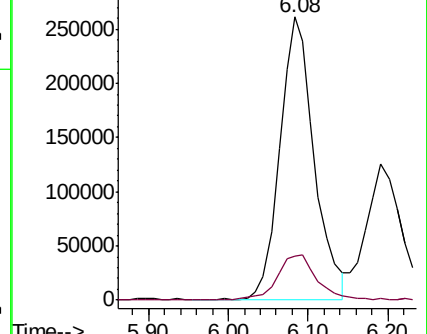
43 100

72 15.6 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: 77.466 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062781.D

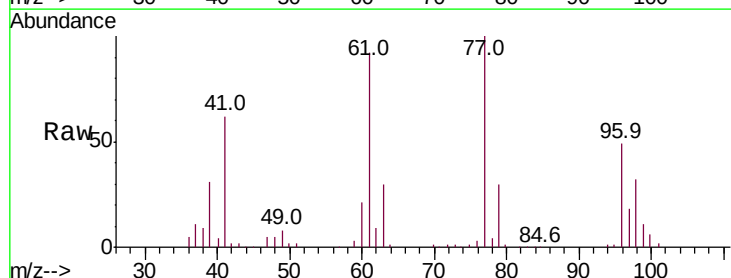
Acq: 19 Jun 2019 16:07

Tgt Ion: 77 Resp: 1198219

Ion Ratio Lower Upper

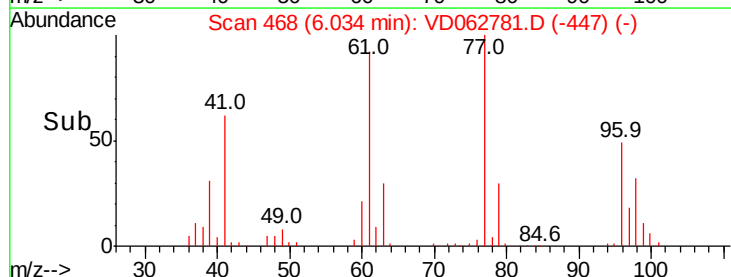
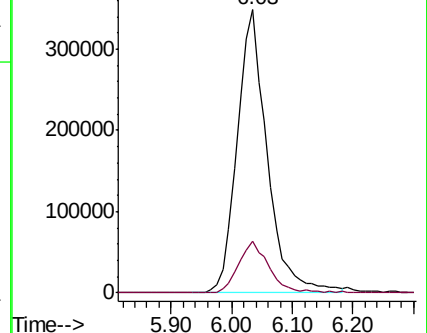
77 100

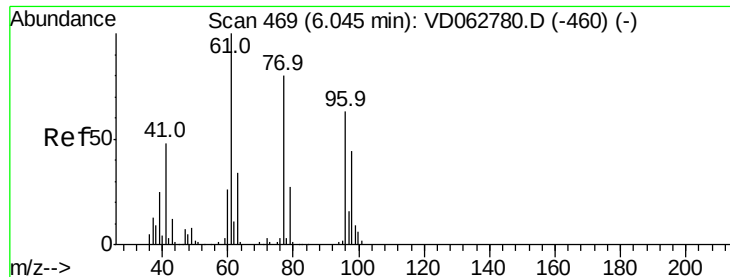
97 18.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



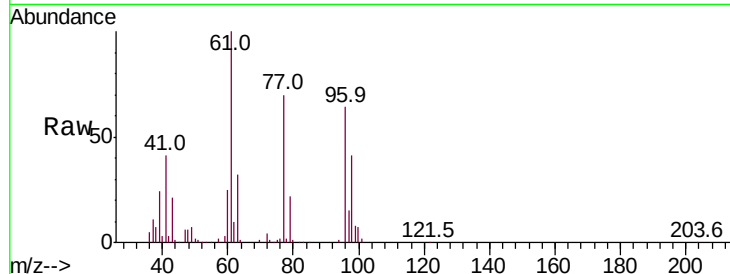


#27

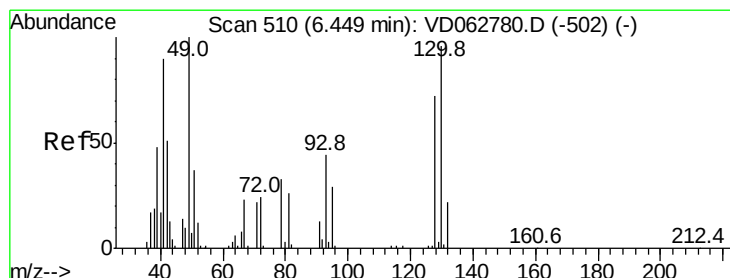
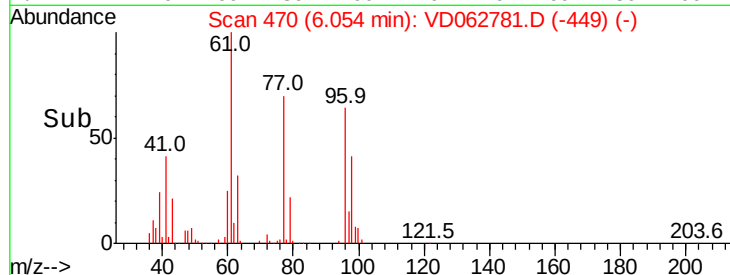
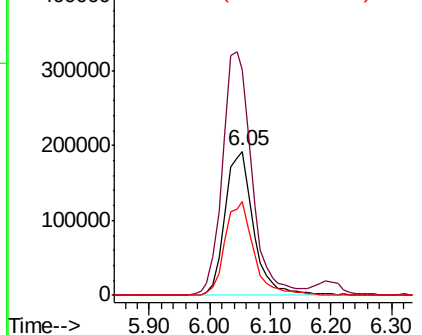
cis-1,2-Dichloroethene
 Concen: 75.155 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	96	Resp	631205
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	316.0
98	65.0	0.0	138.4



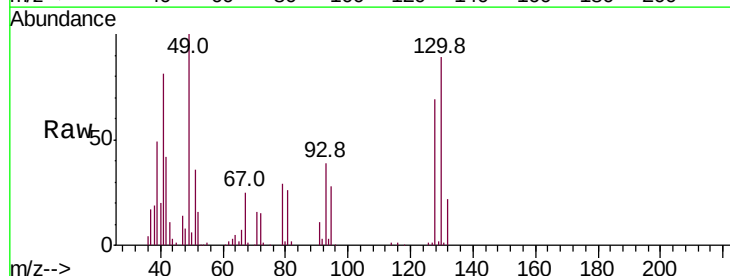
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



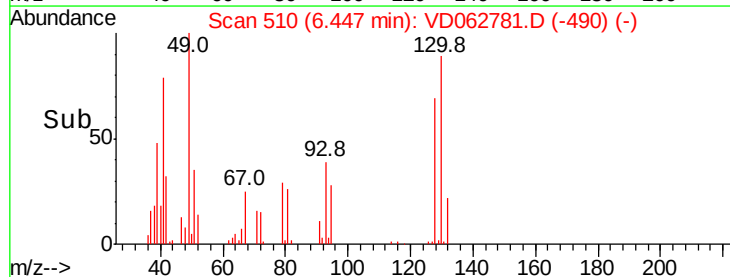
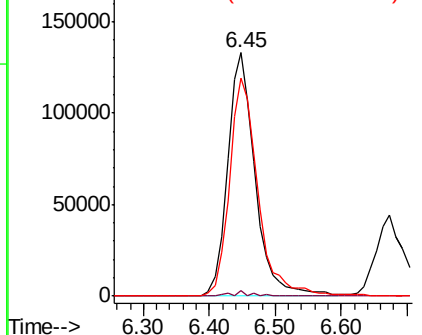
#28

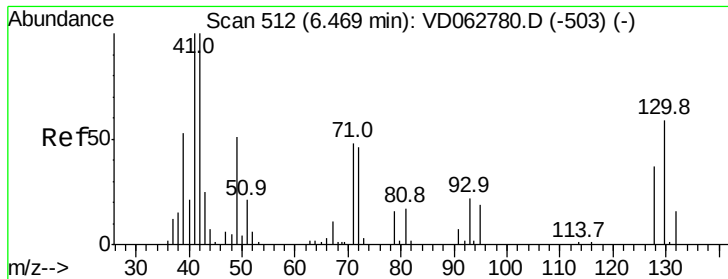
Bromochloromethane
 Concen: 75.469 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion	49	Resp	387884
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.6
130	89.3	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: 395.937 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

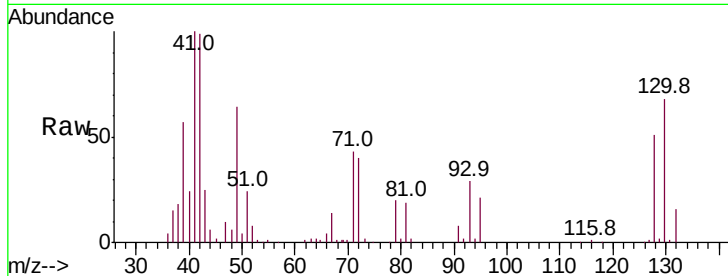
Tot Ion: 42 Resp: 357929

Ion Ratio Lower Upper

42 100

72 41.4 35.0 52.6

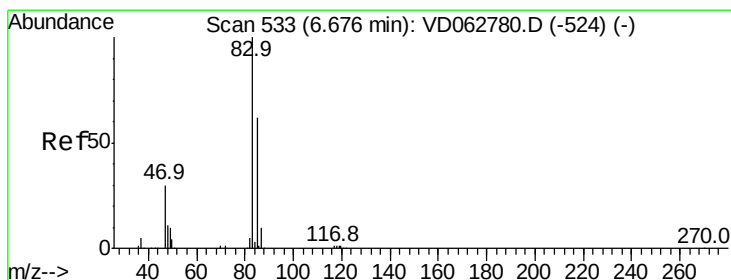
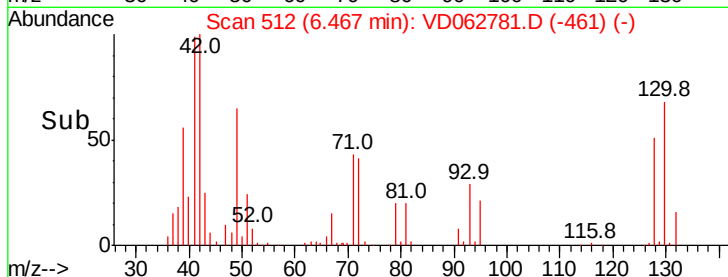
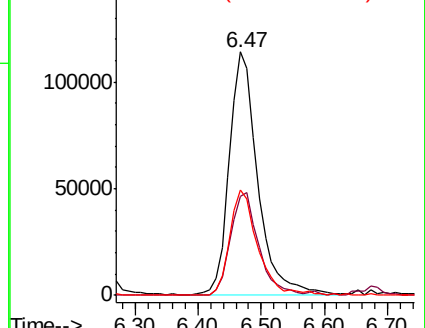
71 42.3 33.3 49.9



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: 74.519 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062781.D

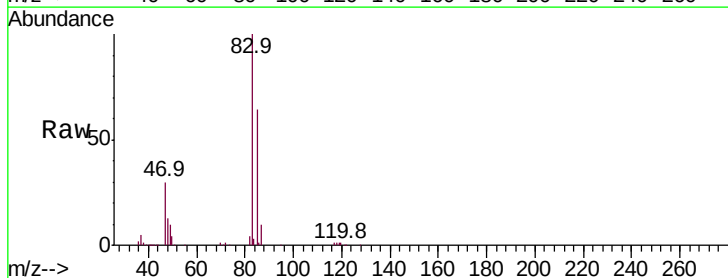
Acq: 19 Jun 2019 16:07

Tgt Ion: 83 Resp: 1322501

Ion Ratio Lower Upper

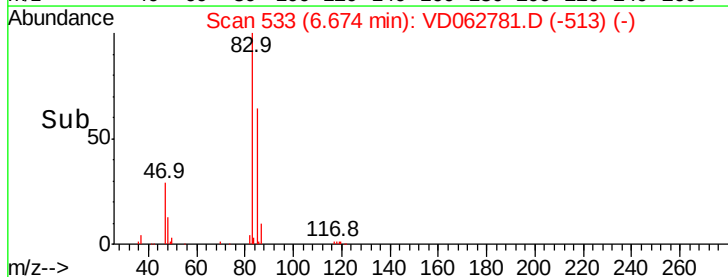
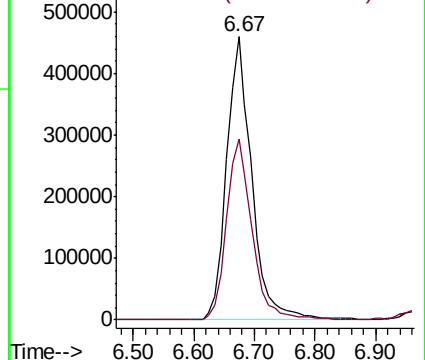
83 100

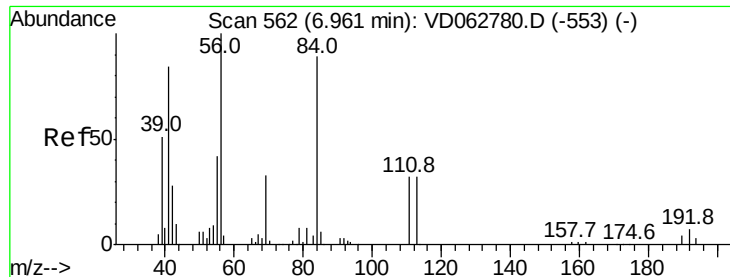
85 64.1 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

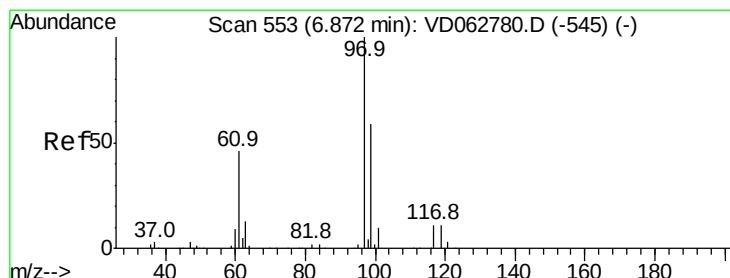
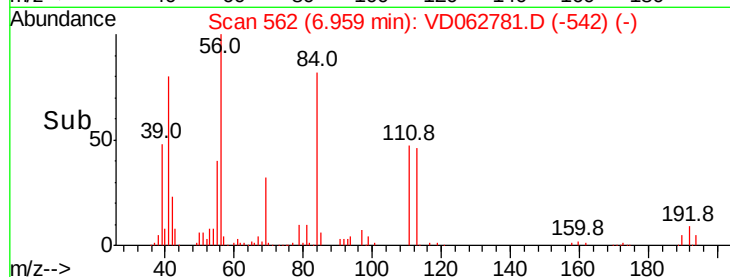
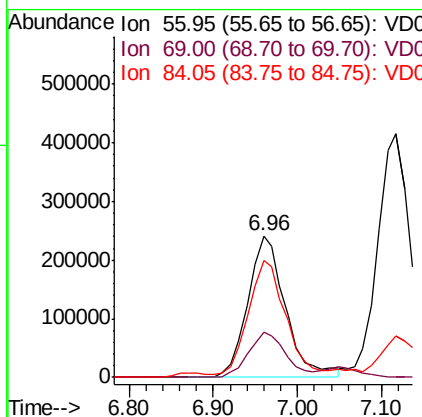
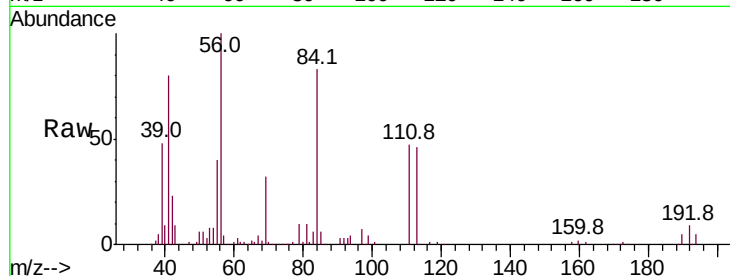




#31
Cyclohexane
Concen: 78.589 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

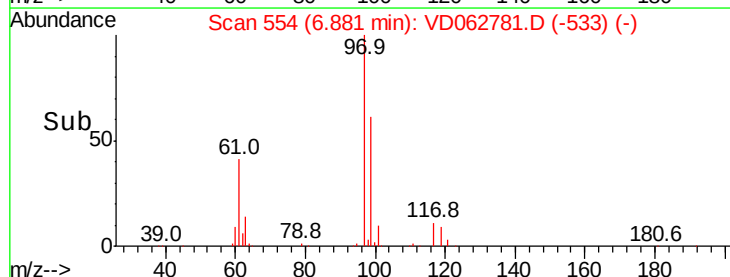
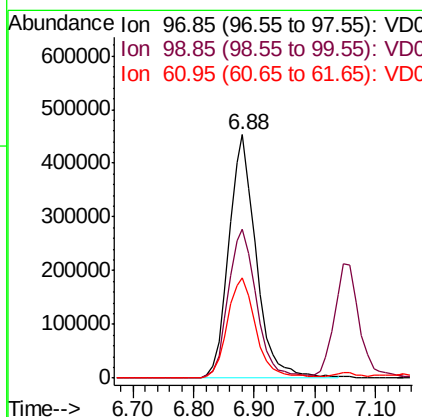
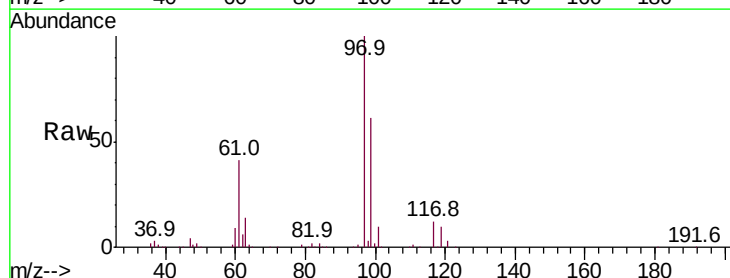
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

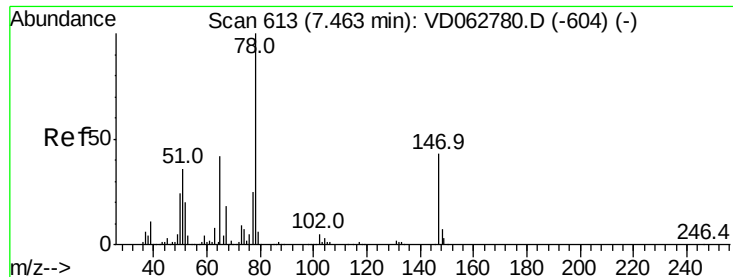
Tot Ion: 56 Resp: 753915
Ion Ratio Lower Upper
56 100
69 31.5 26.6 39.8
84 82.5 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 76.483 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 97 Resp: 1413765
Ion Ratio Lower Upper
97 100
99 61.3 47.4 71.2
61 40.9 37.2 55.8

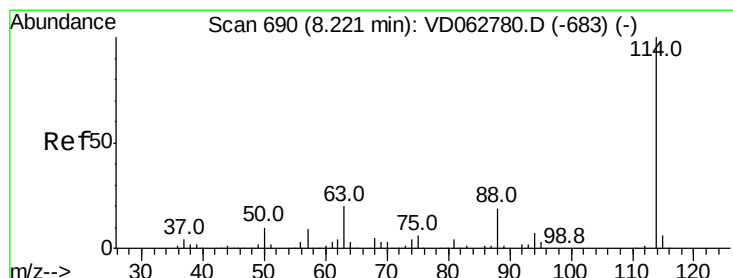
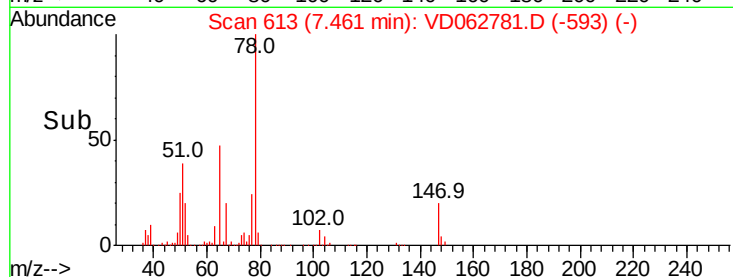
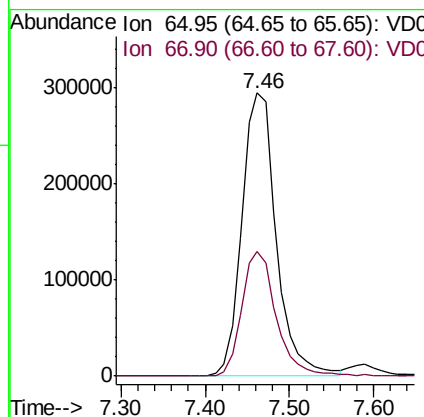
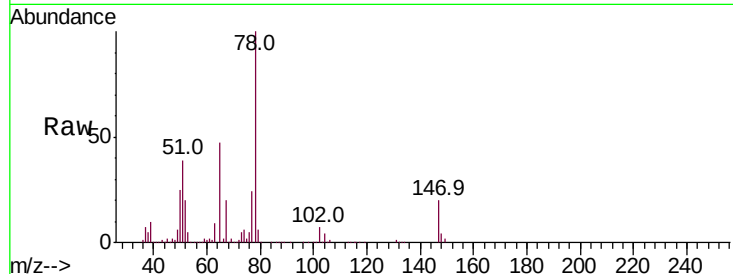




#33
 1,2-Dichloroethane-d4
 Concen: 81.952 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

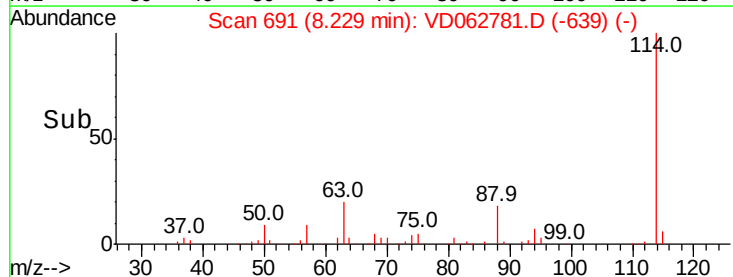
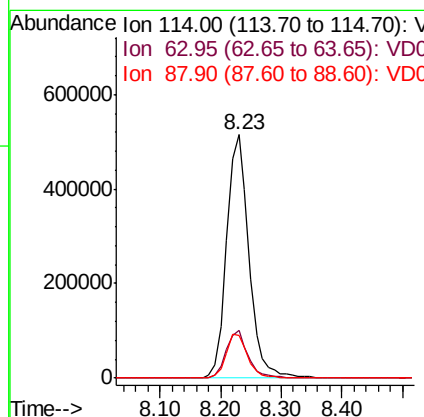
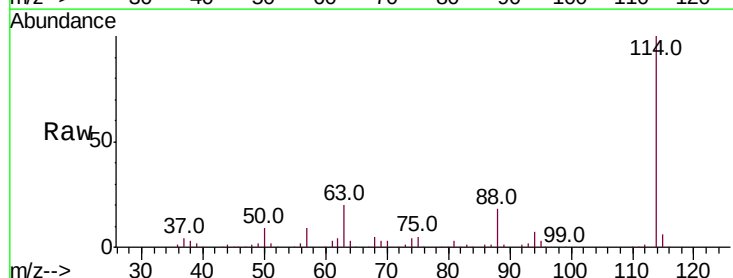
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

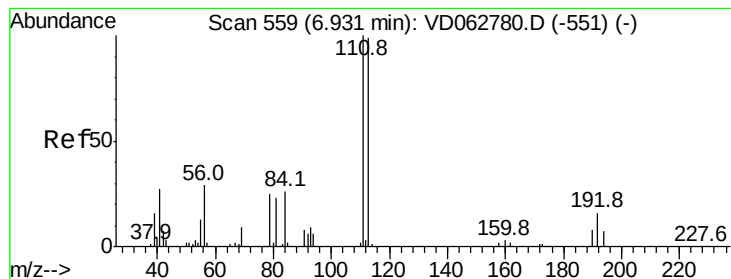
Tot Ion: 65 Resp: 837185
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 114 Resp: 1321059
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 17.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 75.958 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

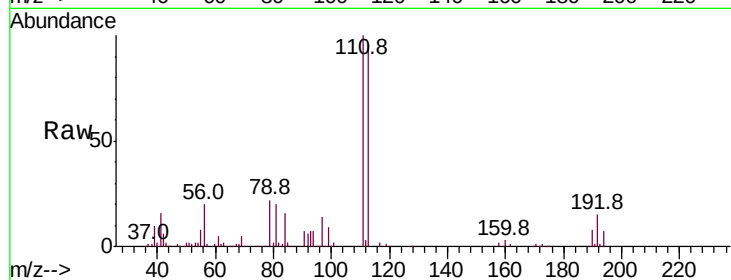
Tot Ion:113 Resp: 846105

Ion Ratio Lower Upper

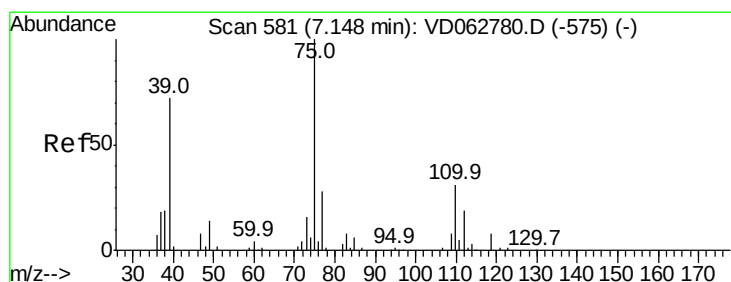
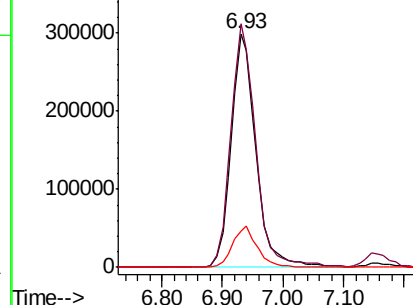
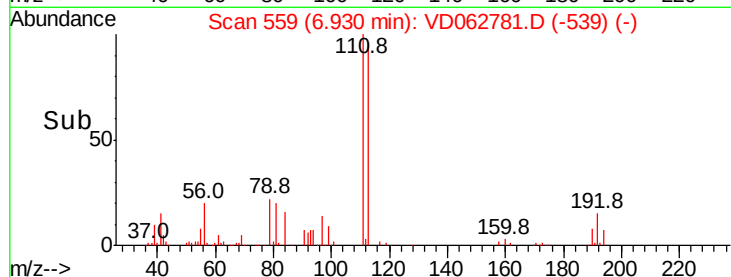
113 100

111 104.3 81.2 121.8

192 15.8 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: 72.555 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

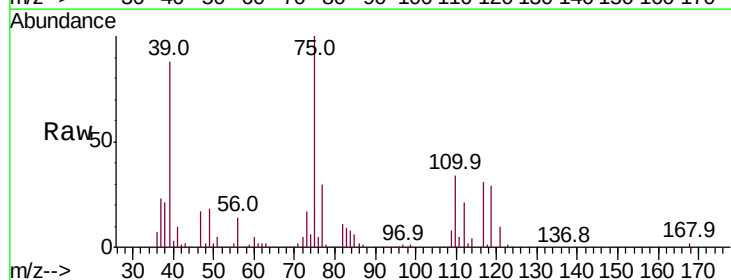
Tgt Ion: 75 Resp: 907351

Ion Ratio Lower Upper

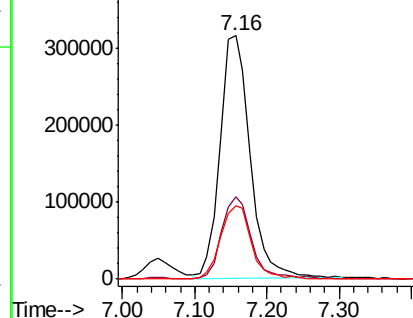
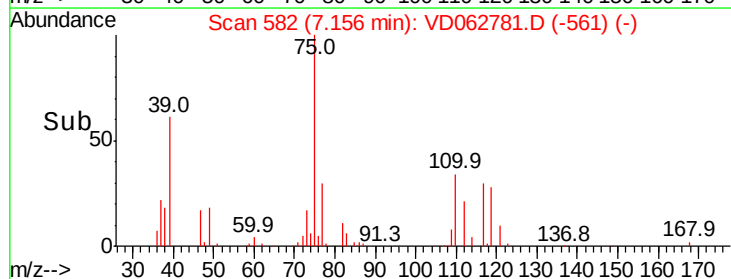
75 100

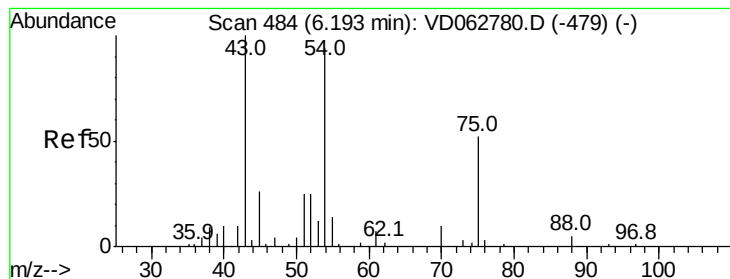
110 33.6 15.0 45.1

77 30.4 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: 69.594 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

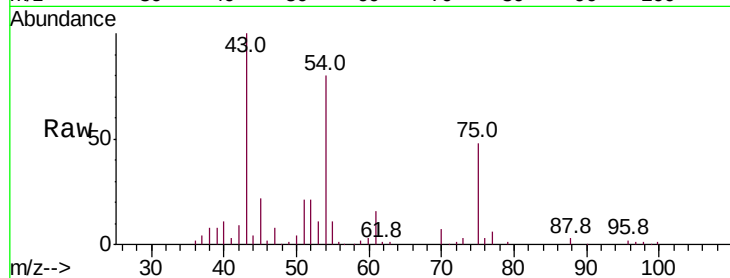
Tot Ion: 43 Resp: 398568

Ion Ratio Lower Upper

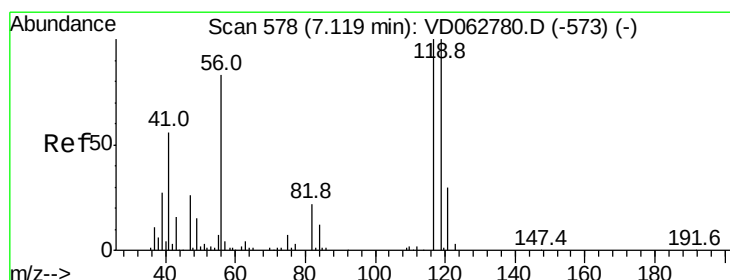
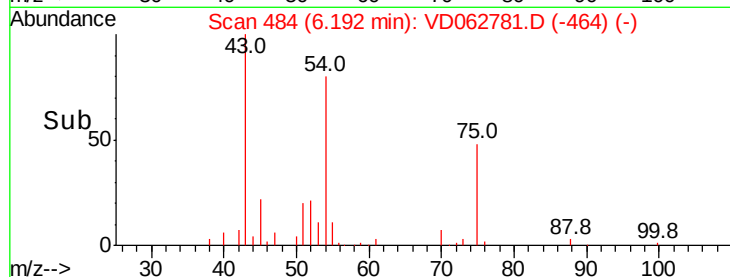
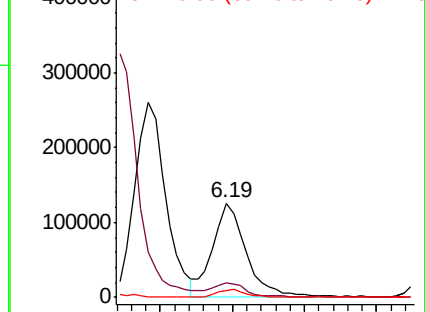
43 100

61 15.7 11.6 17.4

70 7.0 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: 72.714 ug/l m

RT: 7.12 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

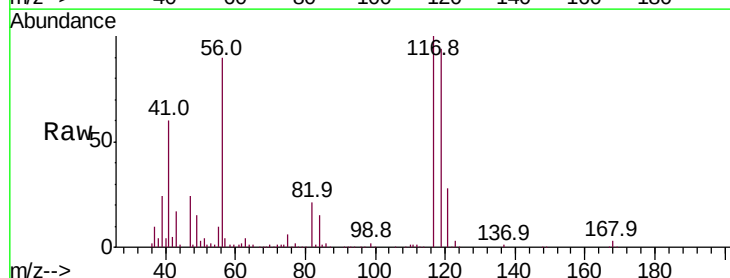
Tgt Ion: 117 Resp: 1392682

Ion Ratio Lower Upper

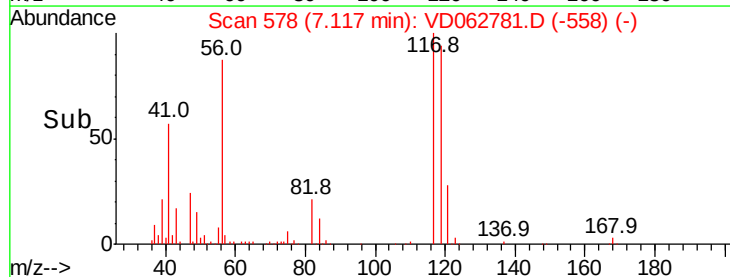
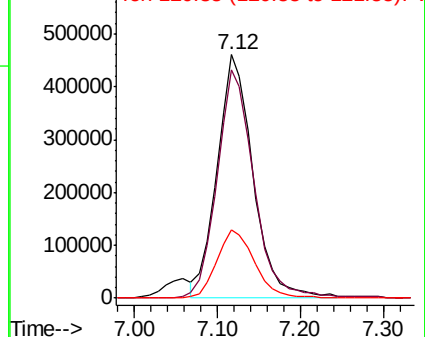
117 100

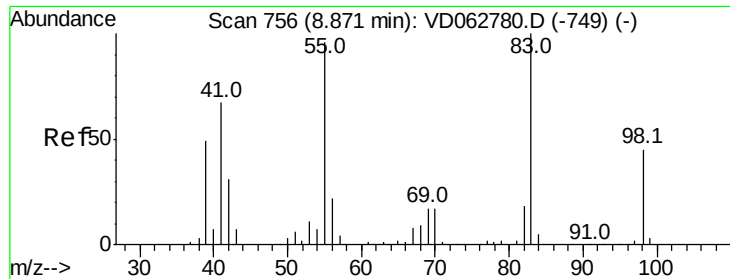
119 93.8 75.4 113.2

121 28.1 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

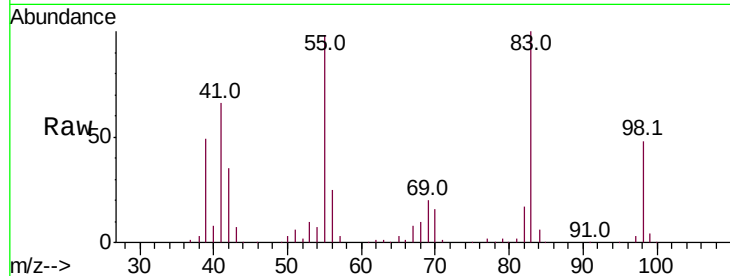




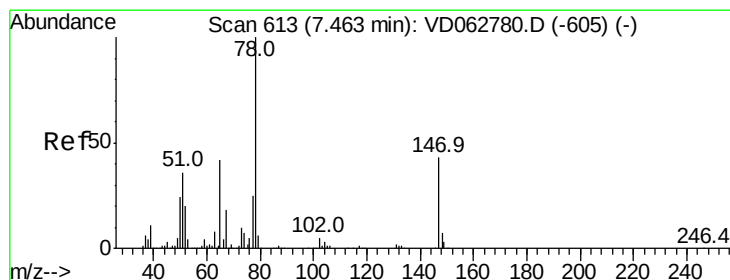
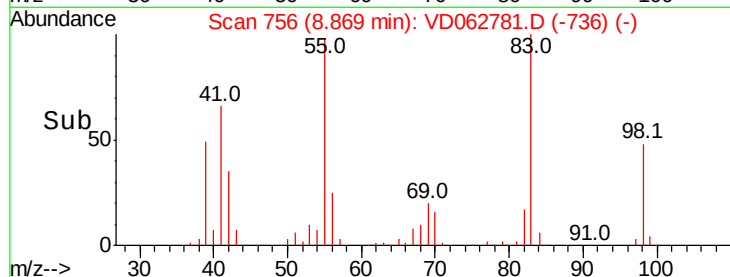
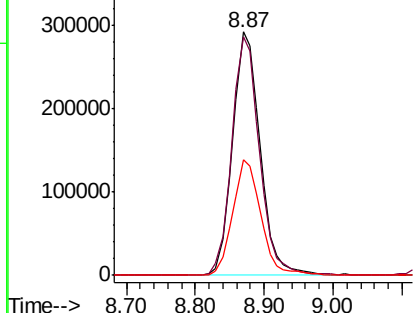
#39
Methylvlcyclohexane
Concen: 73.562 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 809771
Ion Ratio Lower Upper
83 100
55 97.8 76.6 115.0
98 47.7 35.7 53.5

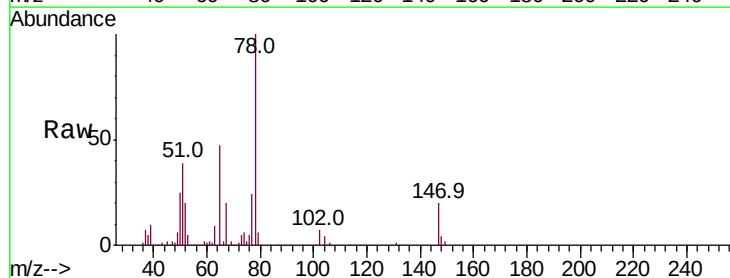


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

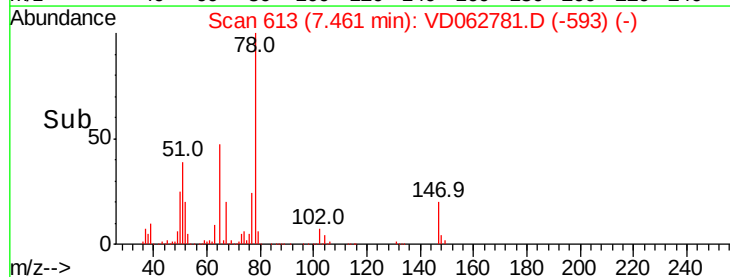
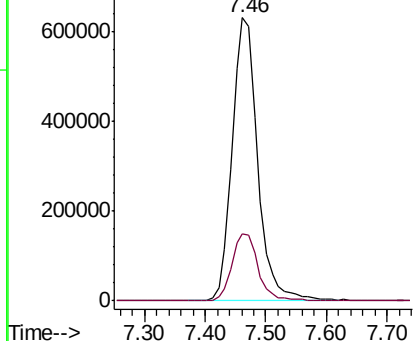


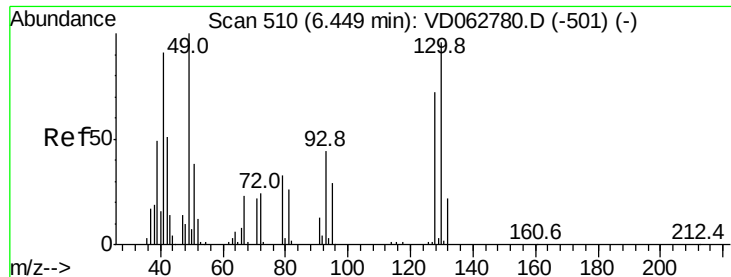
#40
Benzene
Concen: 73.311 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 78 Resp: 1840304
Ion Ratio Lower Upper
78 100
77 23.9 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

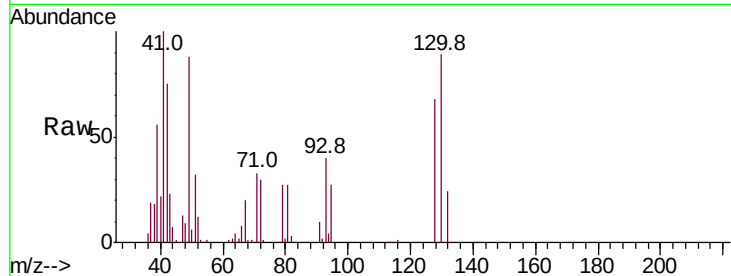




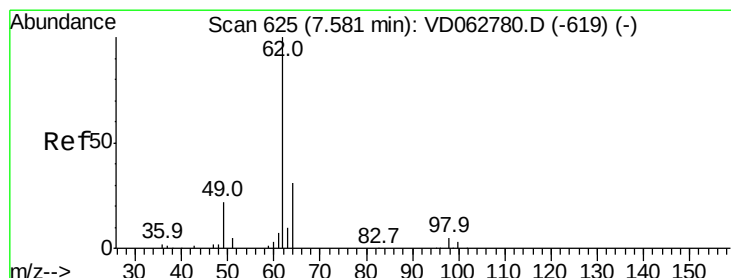
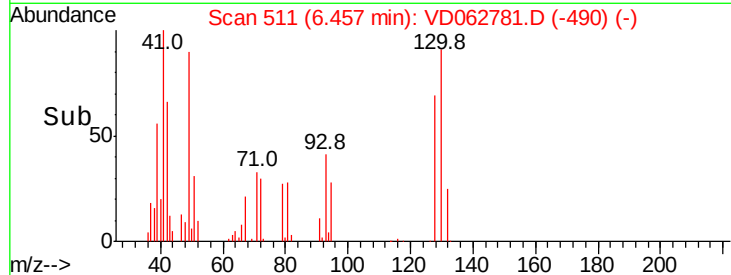
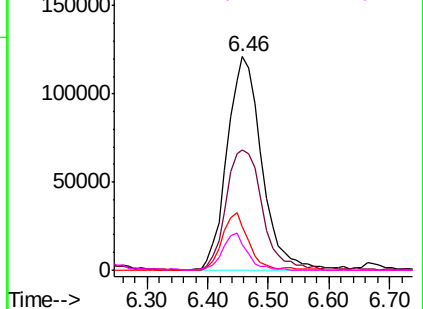
#41
Methacrylonitrile
Concen: 73.099 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 41 Resp: 482092
Ion Ratio Lower Upper
41 100
39 56.4 43.2 64.8
67 20.5 19.9 29.9
52 12.2 10.2 15.4

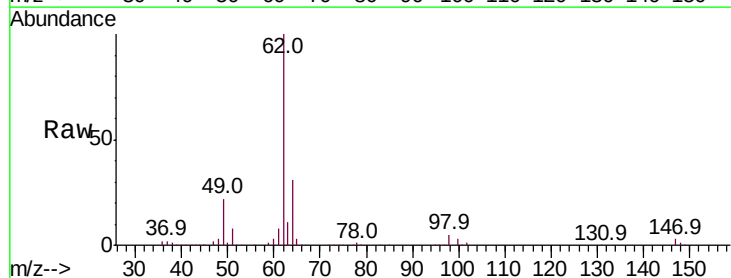


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

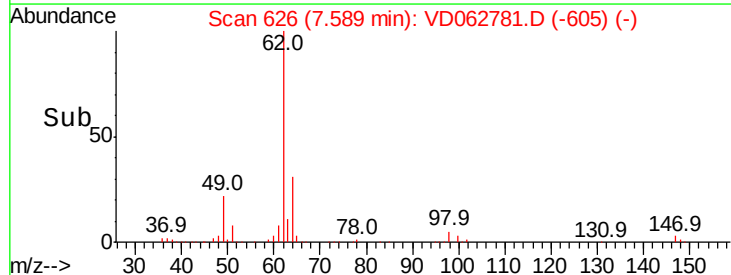
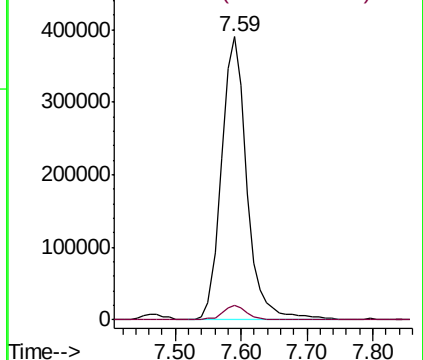


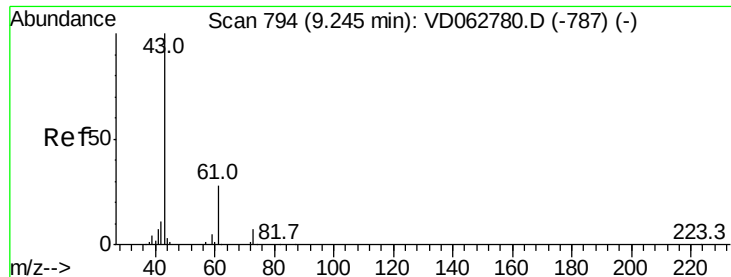
#42
1,2-Dichloroethane
Concen: 76.708 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 62 Resp: 1050458
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.0



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





#43

Isopropyl Acetate

Concen: 82.390 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

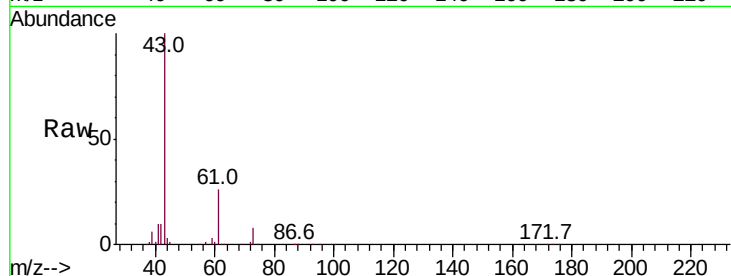
Tot Ion: 43 Resp: 540176

Ion Ratio Lower Upper

43 100

61 26.4 22.4 33.6

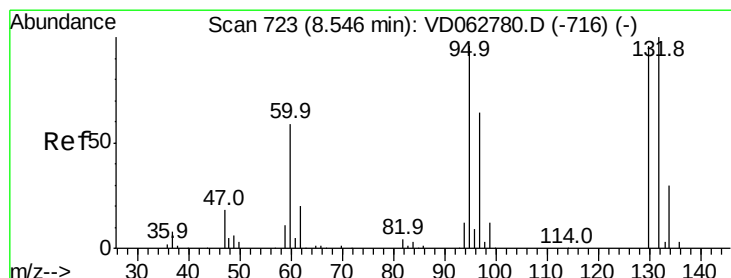
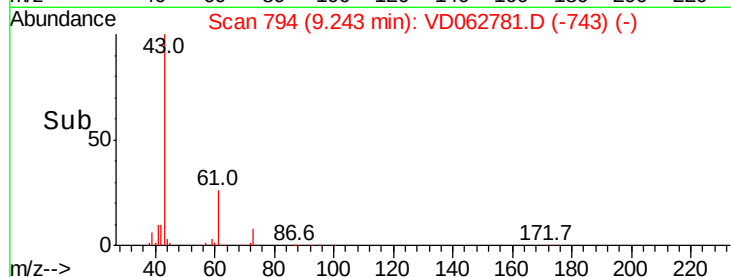
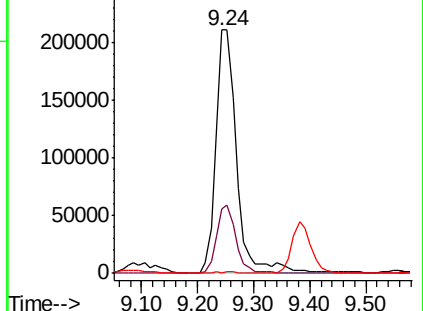
87 0.2 0.3 0.5#



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: 75.519 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062781.D

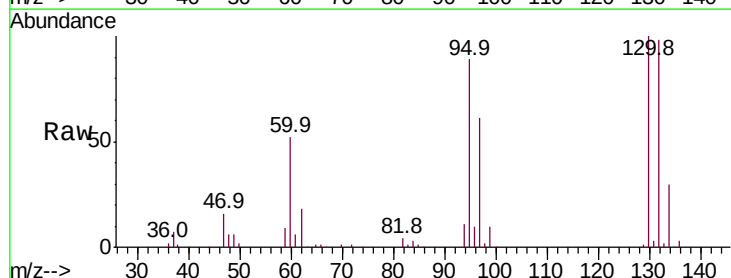
Acq: 19 Jun 2019 16:07

Tgt Ion:130 Resp: 743213

Ion Ratio Lower Upper

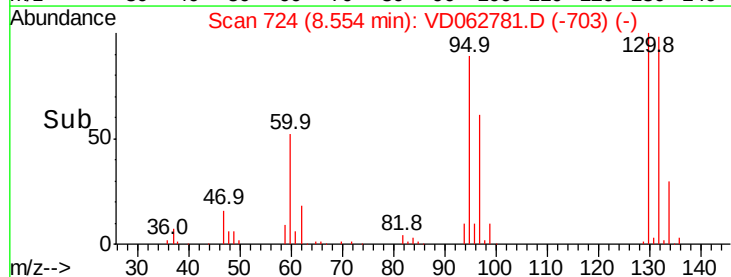
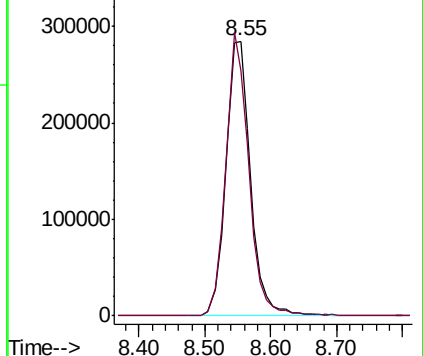
130 100

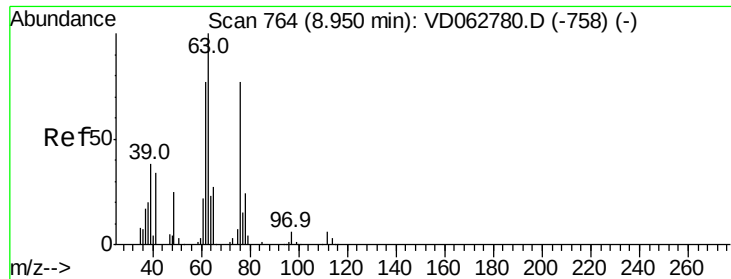
95 89.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 74.796 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

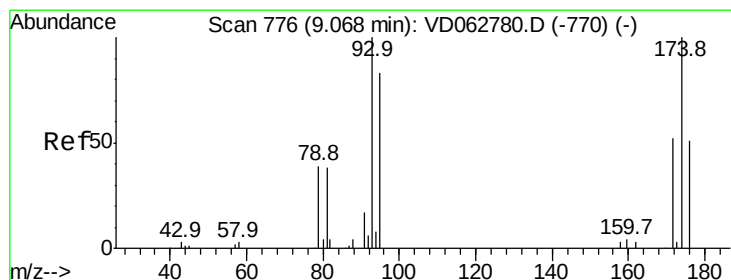
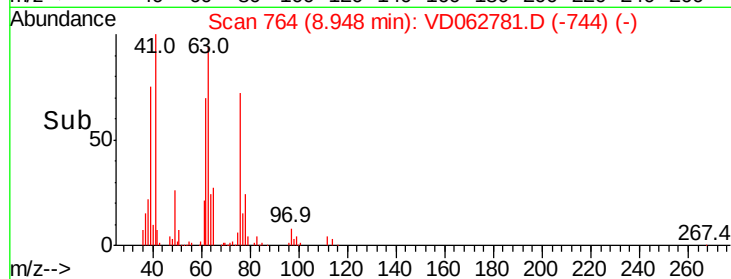
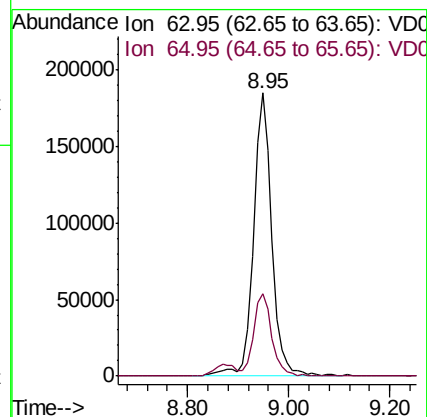
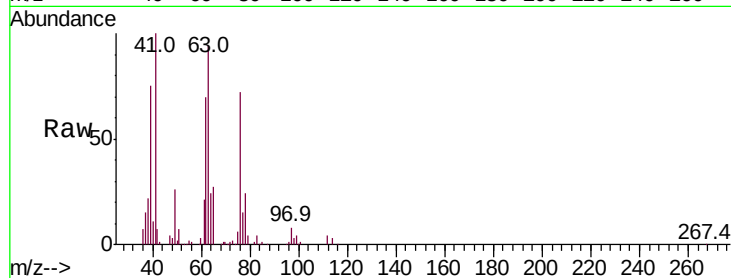
VSTDIC075

Tot Ion: 63 Resp: 466871

Ion Ratio Lower Upper

63 100

65 29.1 24.2 36.2



#46

Dibromomethane

Concen: 76.192 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

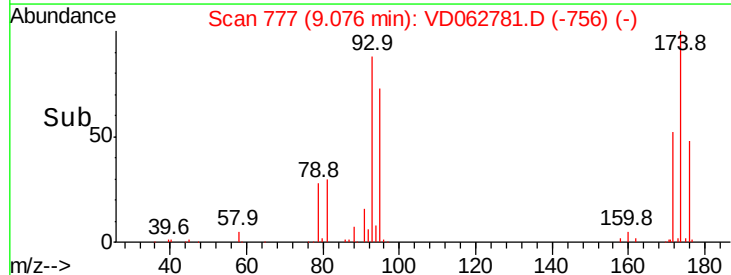
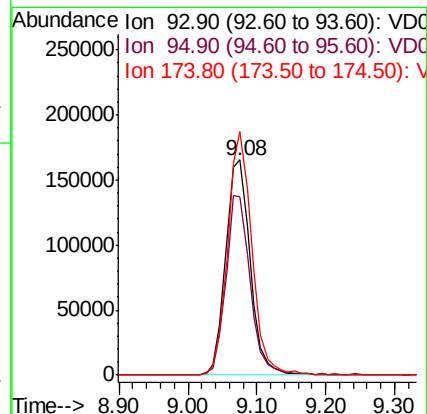
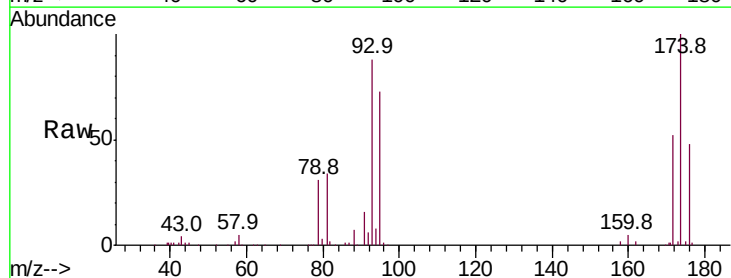
Tgt Ion: 93 Resp: 408536

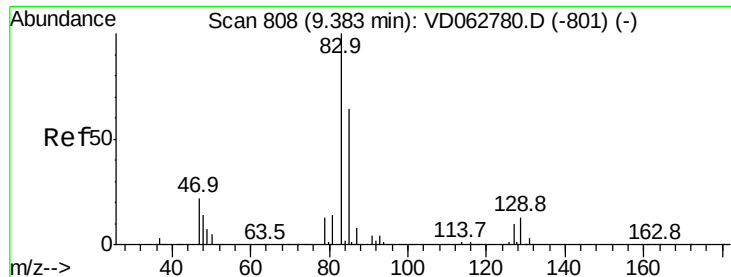
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 113.3 79.7 119.5





#47

Bromodichloromethane

Concen: 72.770 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

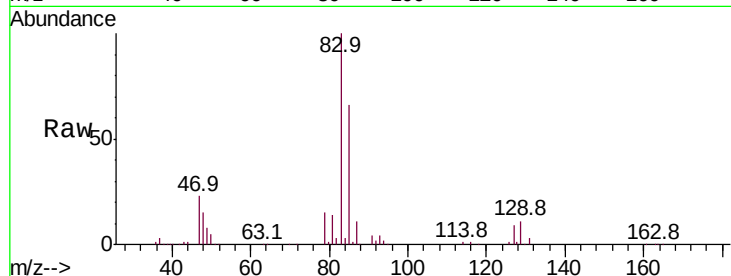
Tot Ion: 83 Resp: 1013360

Ion Ratio Lower Upper

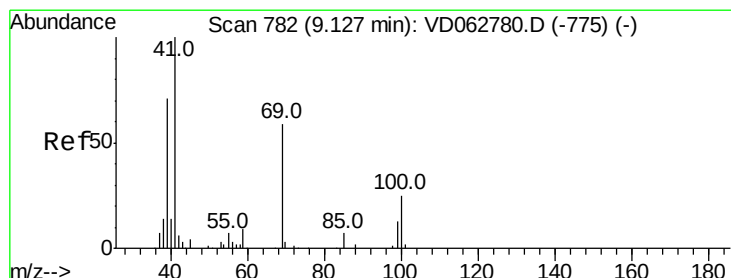
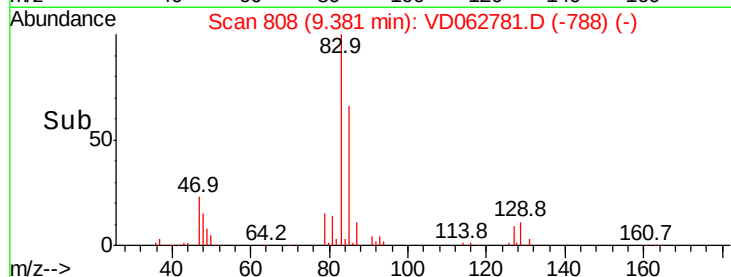
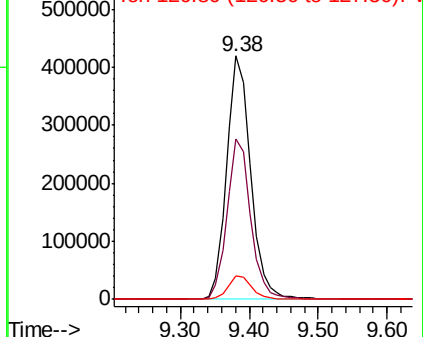
83 100

85 66.1 51.6 77.4

127 9.4 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: 72.904 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

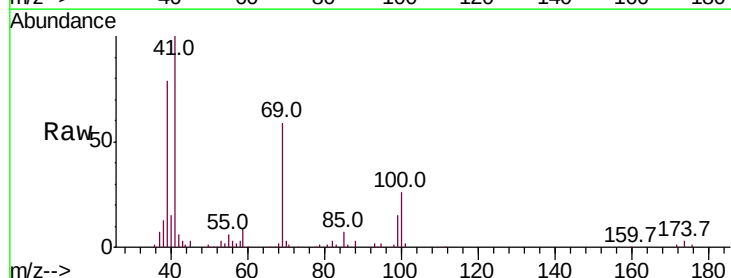
Tgt Ion: 41 Resp: 339670

Ion Ratio Lower Upper

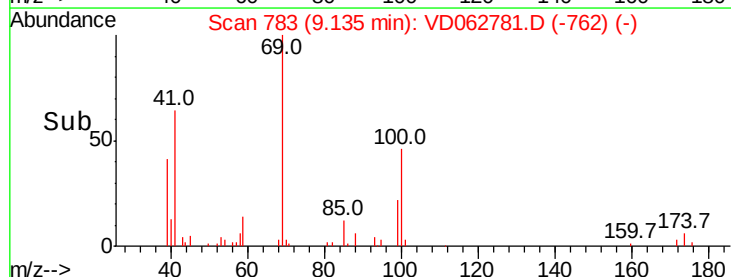
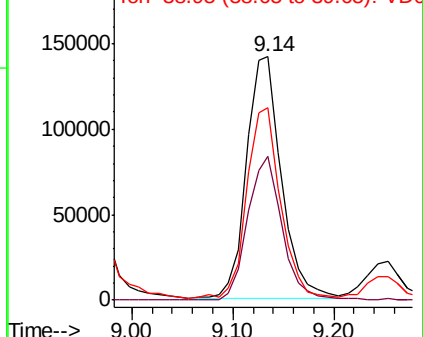
41 100

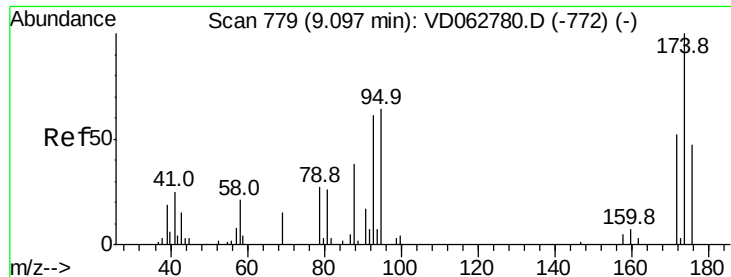
69 59.1 47.2 70.8

39 79.3 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: 1565.184 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

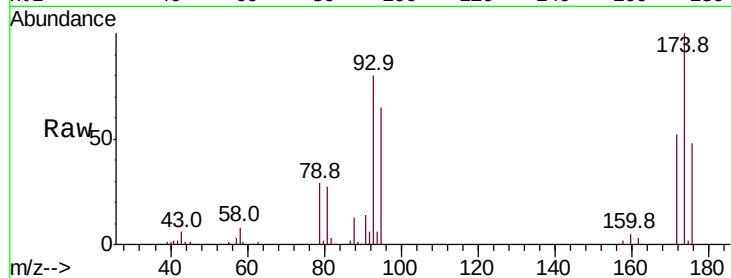
Tot Ion: 88 Resp: 60670

Ion Ratio Lower Upper

88 100

43 51.0 32.1 48.1#

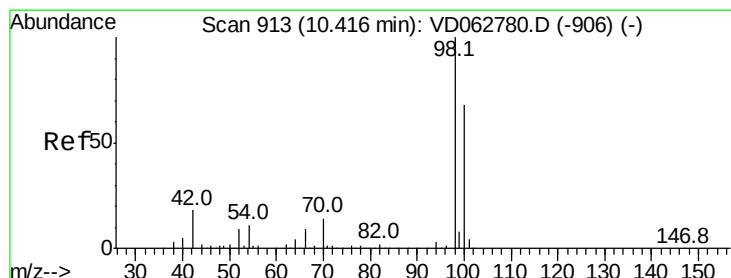
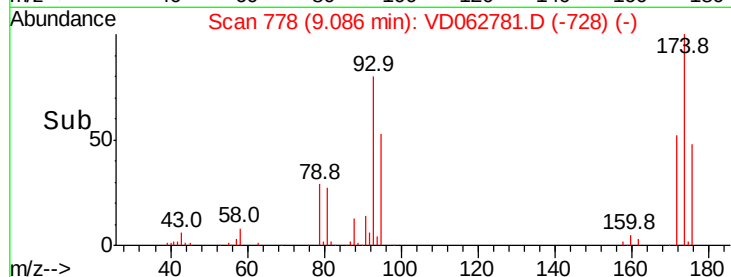
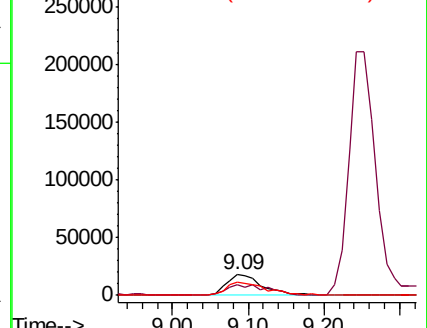
58 63.8 44.1 66.1



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: 81.414 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062781.D

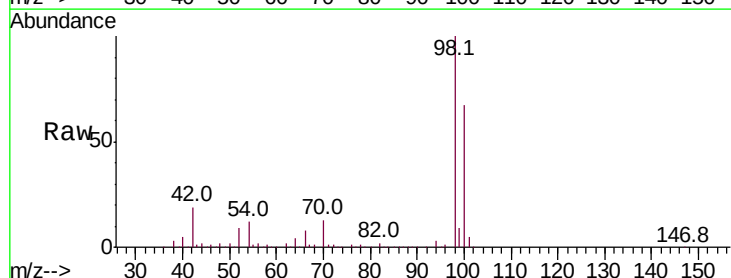
Acq: 19 Jun 2019 16:07

Tgt Ion: 98 Resp: 1973796

Ion Ratio Lower Upper

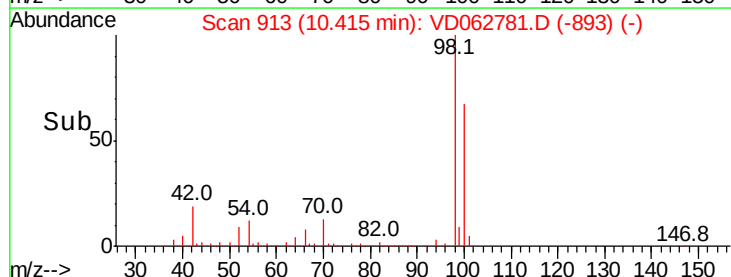
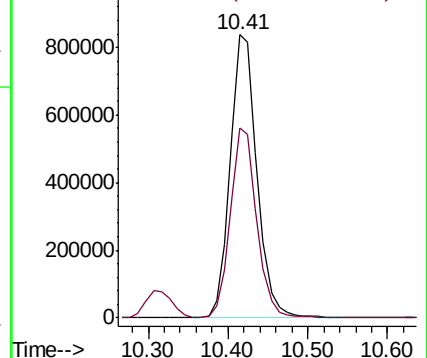
98 100

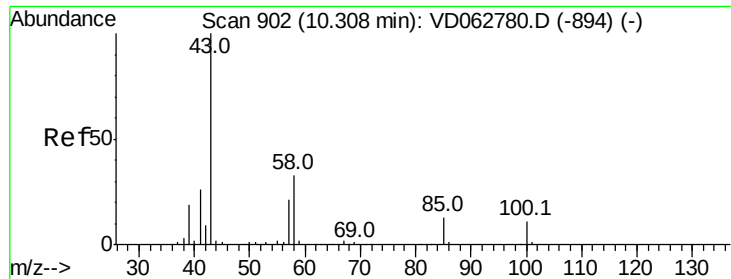
100 67.3 54.7 82.1



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: 380.494 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

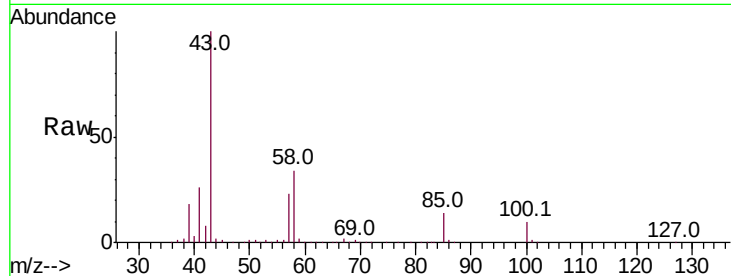
VSTDIC075

Tot Ion: 43 Resp: 1768685

Ion Ratio Lower Upper

43 100

58 33.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

800000

600000

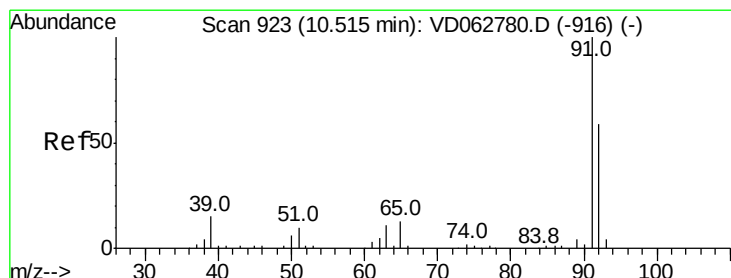
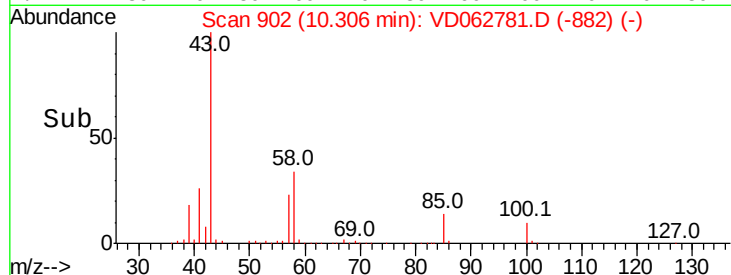
400000

200000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 71.763 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062781.D

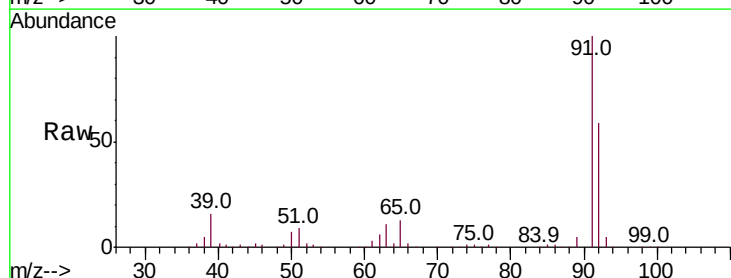
Acq: 19 Jun 2019 16:07

Tgt Ion: 92 Resp: 1210941

Ion Ratio Lower Upper

92 100

91 169.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

600000

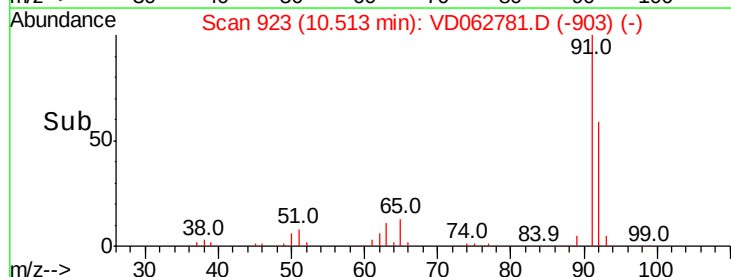
400000

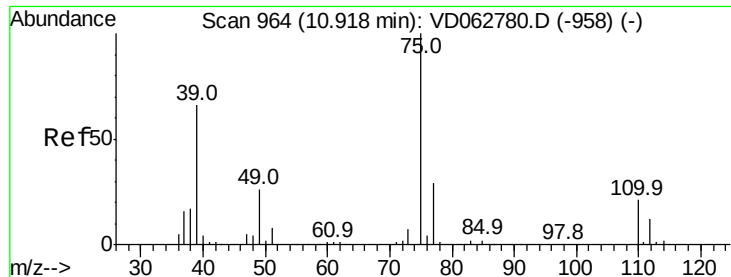
200000

0

Time-->

10.40 10.60

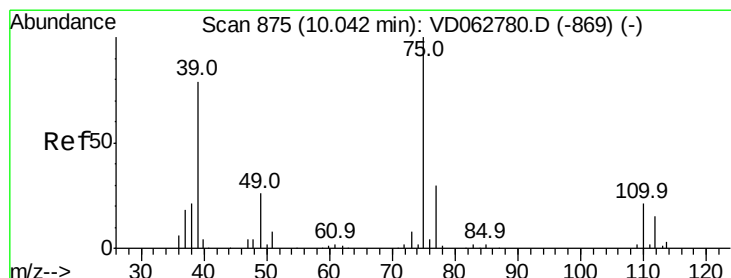
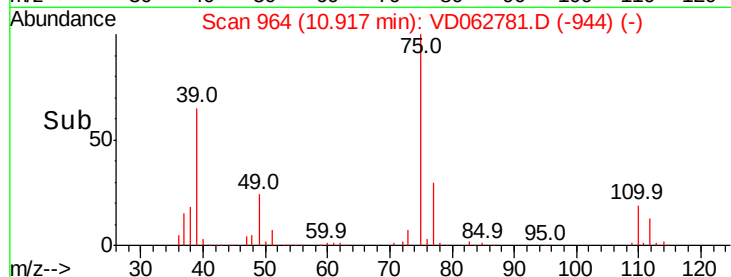
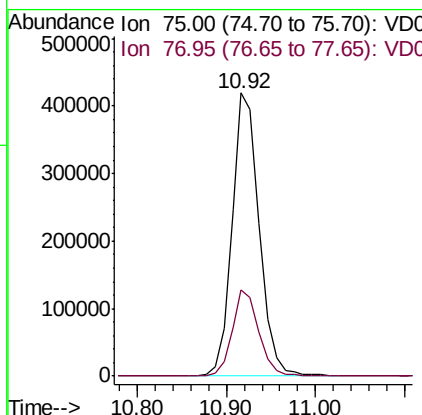
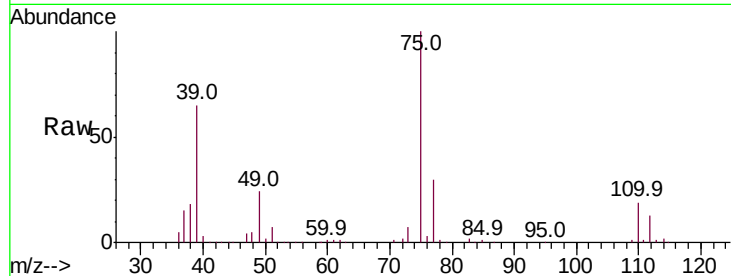




#53
 t-1,3-Dichloropropene
 Concen: 78.301 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

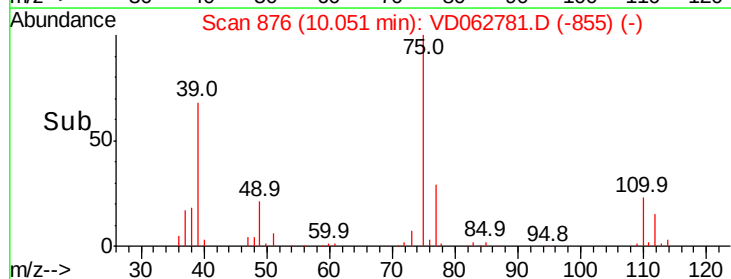
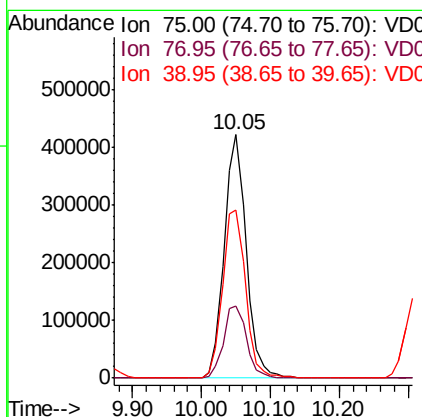
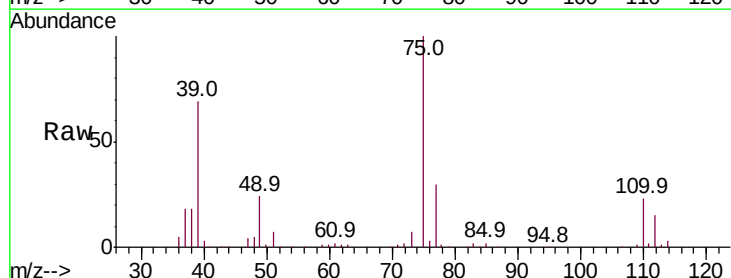
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

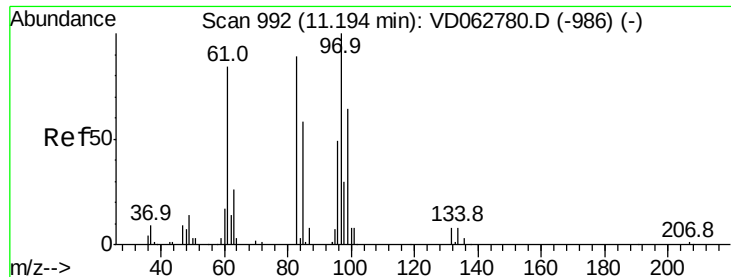
Tot Ion: 75 Resp: 892460
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 75.672 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 75 Resp: 937459
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.2 36.2
 39 69.0 63.5 95.3

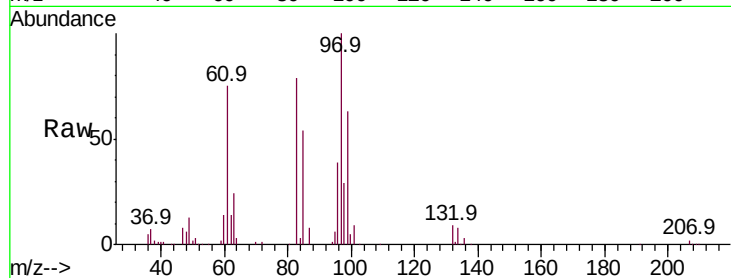




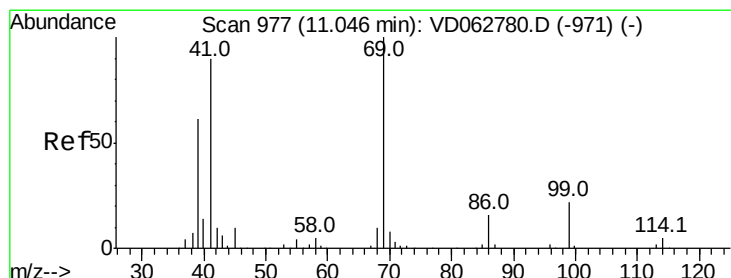
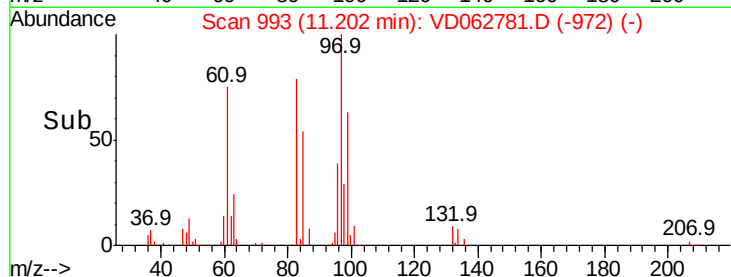
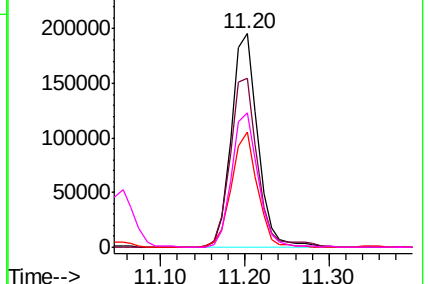
#55
 1,1,2-Trichloroethane
 Concen: 73.636 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 97 Resp: 426889
 Ion Ratio Lower Upper
 97 100
 83 79.4 71.0 106.4
 85 54.1 46.6 69.8
 99 62.7 51.4 77.0

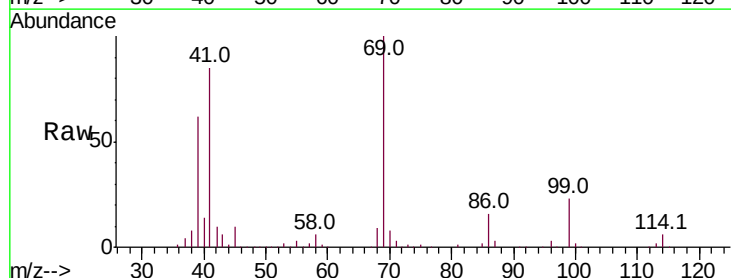


Abundance Ion 96.85 (96.55 to 97.55): VDC
 300000 Ion 82.95 (82.65 to 83.65): VDC
 250000 Ion 84.95 (84.65 to 85.65): VDC
 200000 Ion 98.85 (98.55 to 99.55): VDC
 150000
 100000
 50000
 0

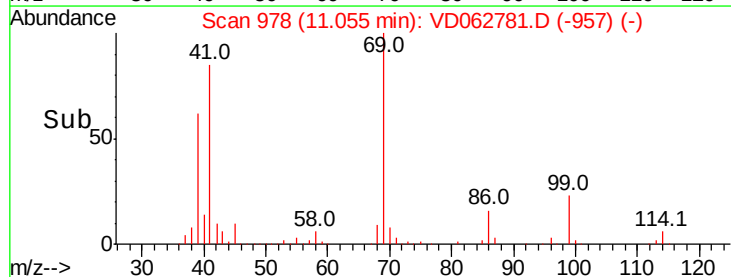
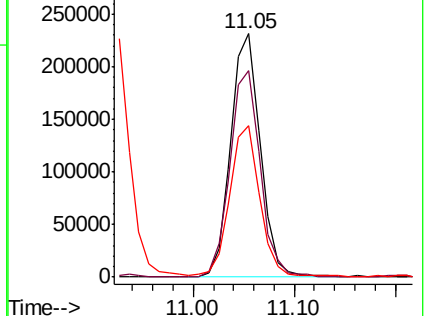


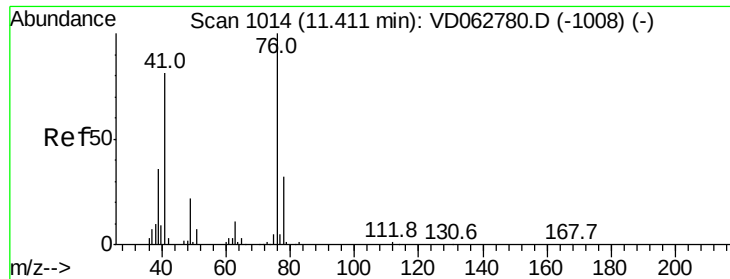
#56
 Ethyl methacrylate
 Concen: 76.177 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 69 Resp: 471959
 Ion Ratio Lower Upper
 69 100
 41 84.9 72.0 108.0
 39 62.2 49.5 74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 300000 Ion 41.05 (40.75 to 41.75): VDC
 250000 Ion 38.95 (38.65 to 39.65): VDC
 200000
 150000
 100000
 50000
 0

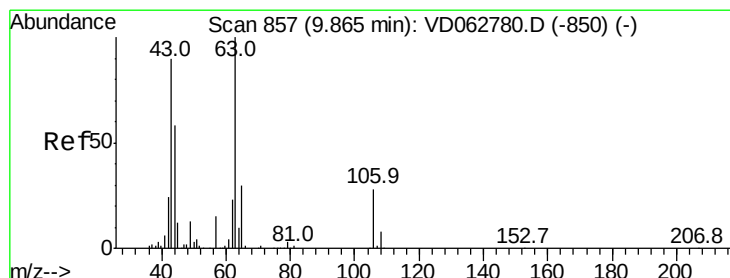
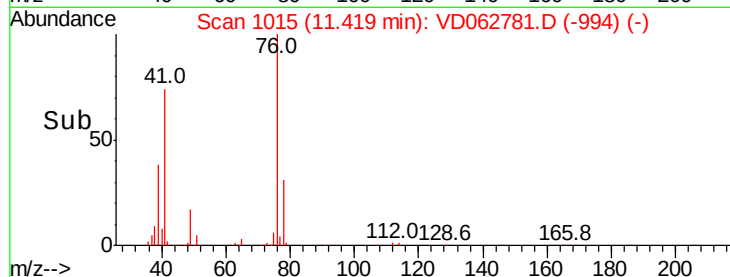
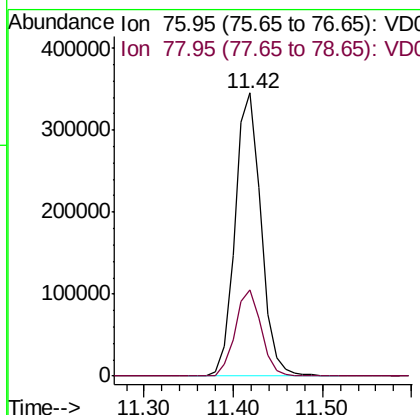
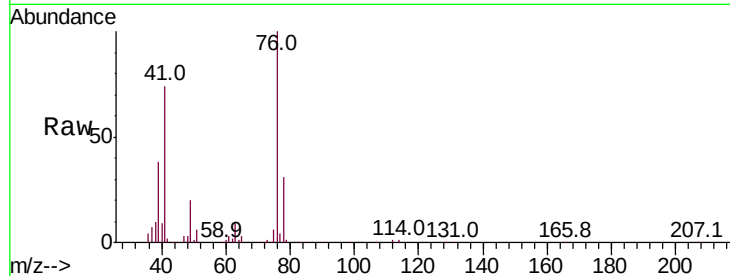




#57
 1,3-Dichloropropane
 Concen: 79.166 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

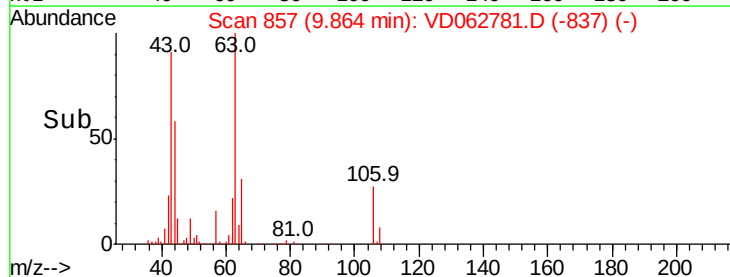
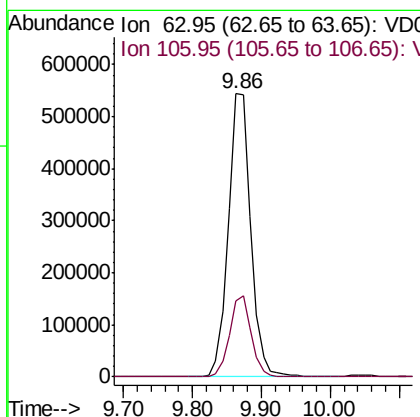
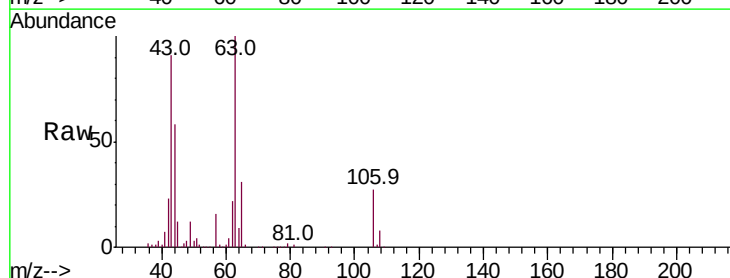
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

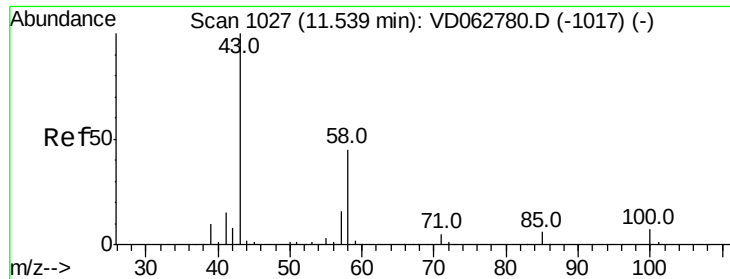
Tot Ion: 76 Resp: 702728
 Ion Ratio Lower Upper
 76 100
 78 30.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 384.921 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 63 Resp: 1224312
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.1 33.1

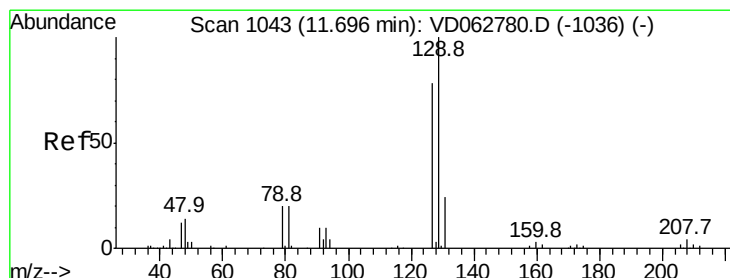
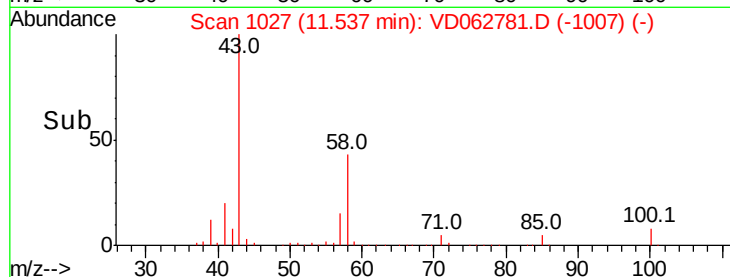
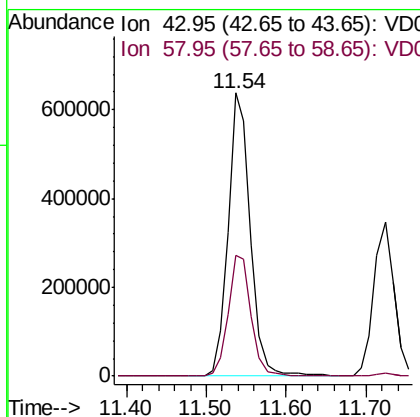
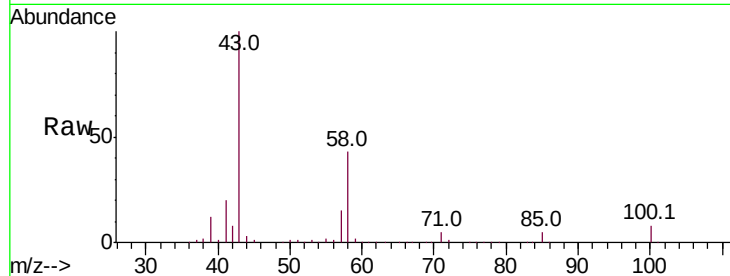




#59
2-Hexanone
Concen: 376.649 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

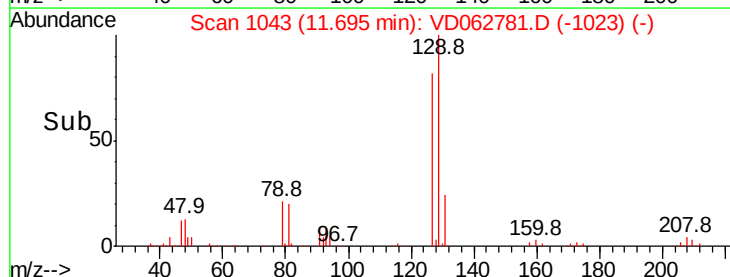
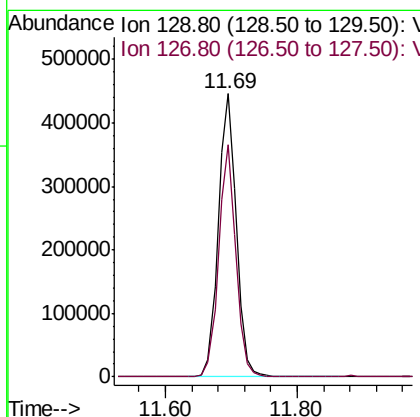
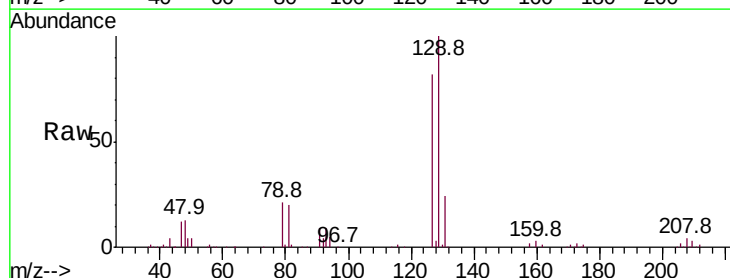
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

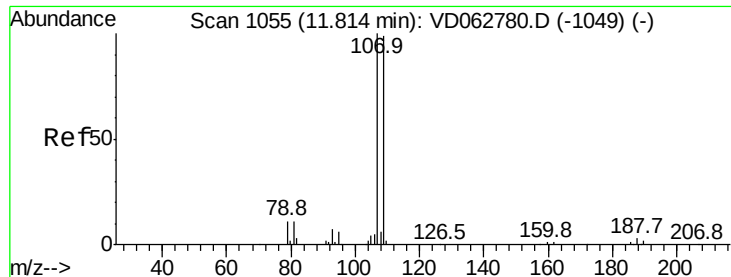
Tot Ion: 43 Resp: 1246909
Ion Ratio Lower Upper
43 100
58 42.7 22.4 67.2



#60
Dibromochloromethane
Concen: 78.301 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion: 129 Resp: 845521
Ion Ratio Lower Upper
129 100
127 82.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 78.541 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

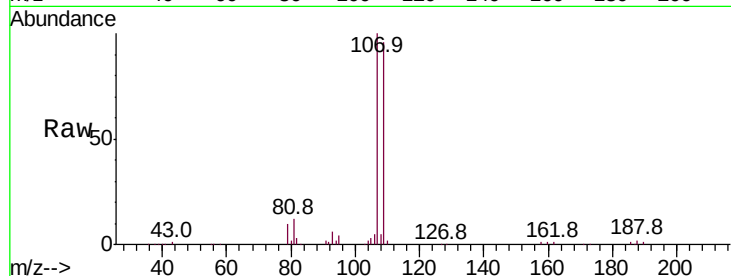
VSTDIC075

Tot Ion:107 Resp: 537766

Ion Ratio Lower Upper

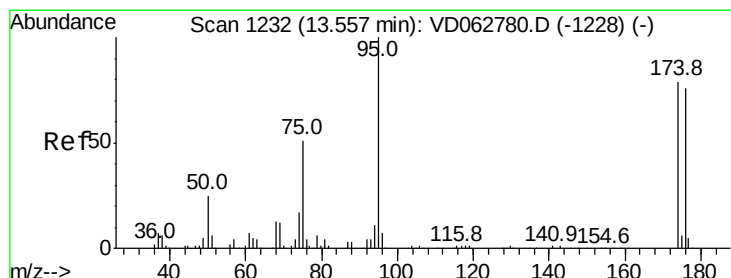
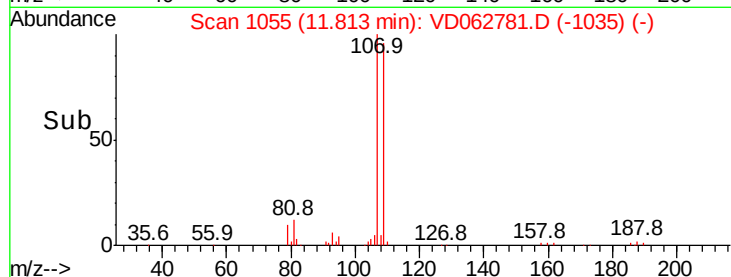
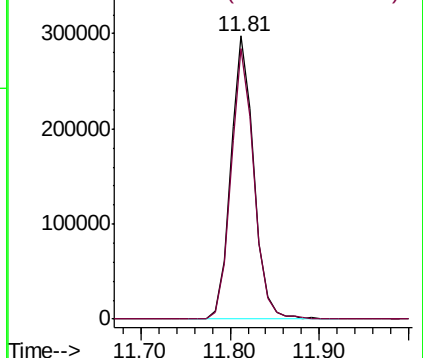
107 100

109 95.5 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 74.043 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

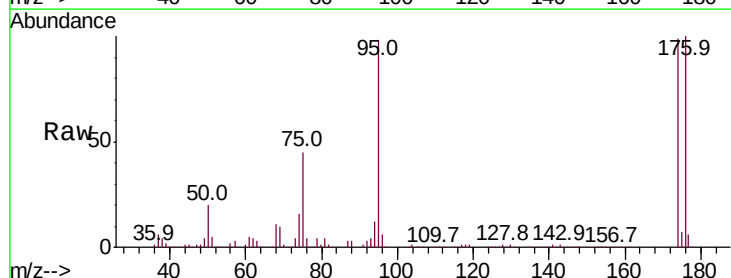
Tgt Ion: 95 Resp: 816238

Ion Ratio Lower Upper

95 100

174 101.1 0.0 158.0

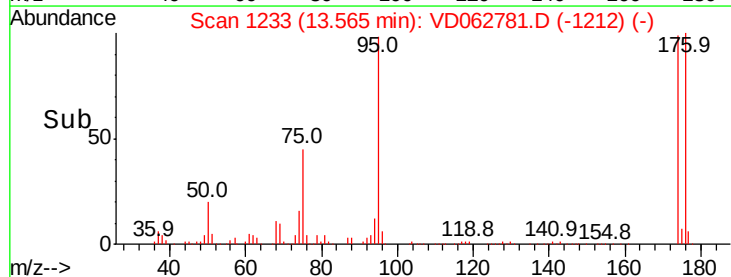
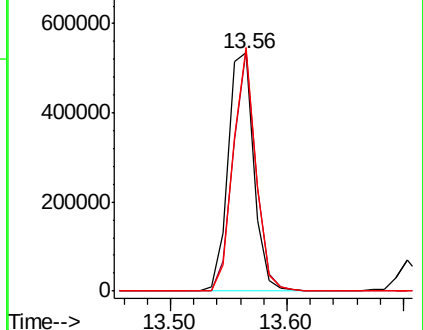
176 102.3 0.0 151.6

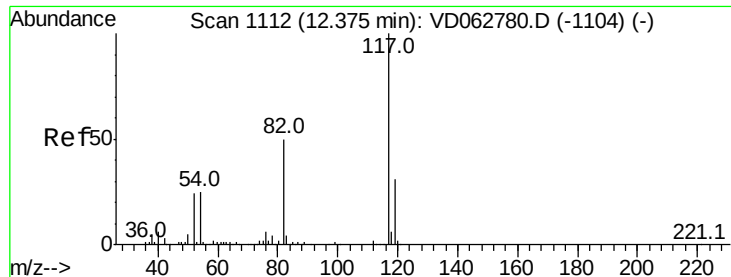


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

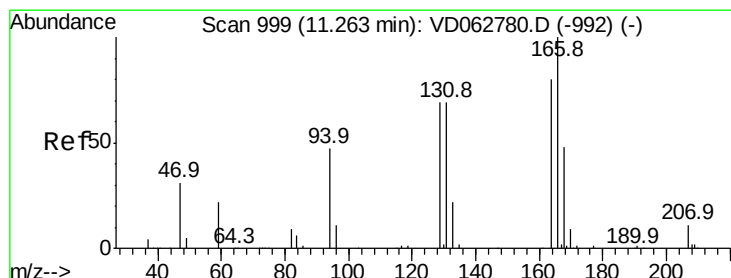
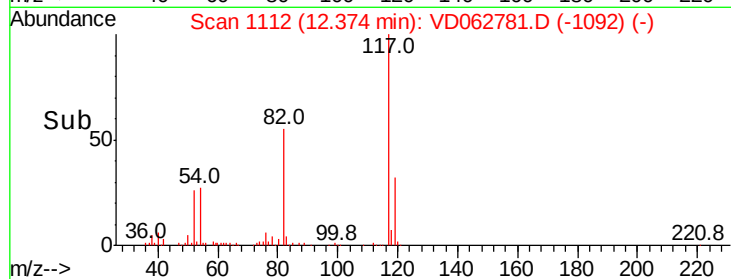
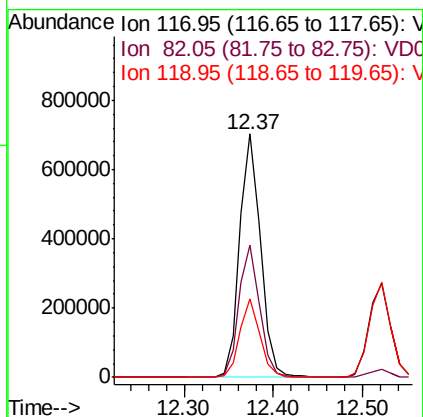
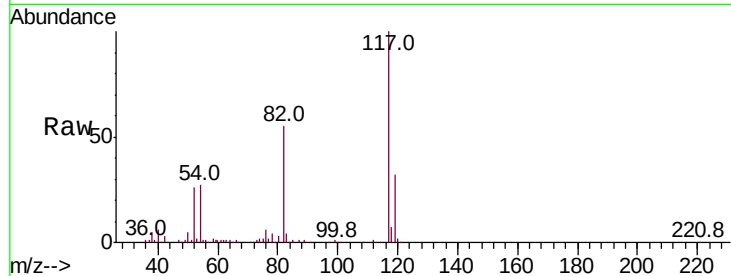




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

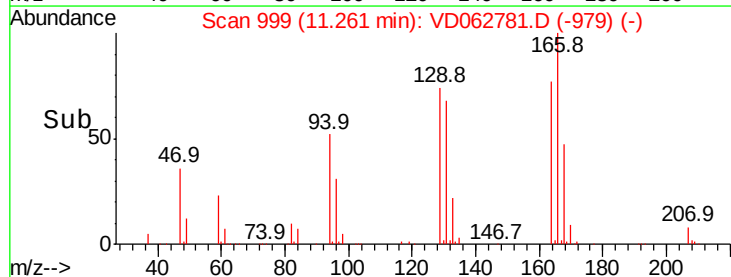
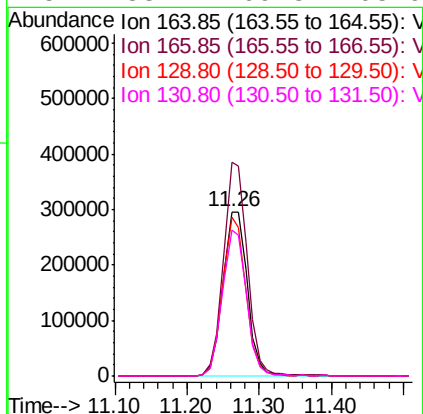
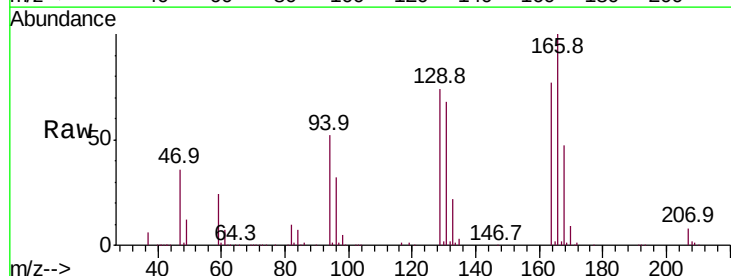
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

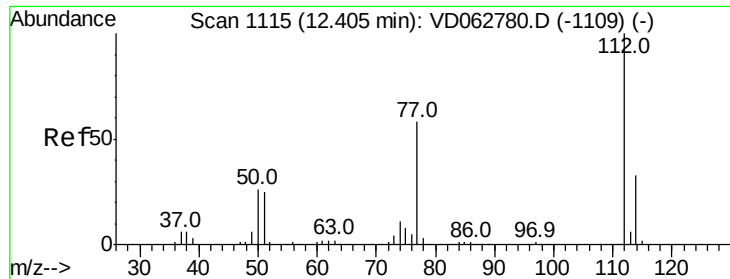
Tot Ion:117 Resp: 1148423
Ion Ratio Lower Upper
117 100
82 54.6 40.4 60.6
119 32.3 25.2 37.8



#64
Tetrachloroethene
Concen: 73.379 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion:164 Resp: 693561
Ion Ratio Lower Upper
164 100
166 129.9 100.6 150.8
129 96.8 69.4 104.0
131 88.7 69.3 103.9

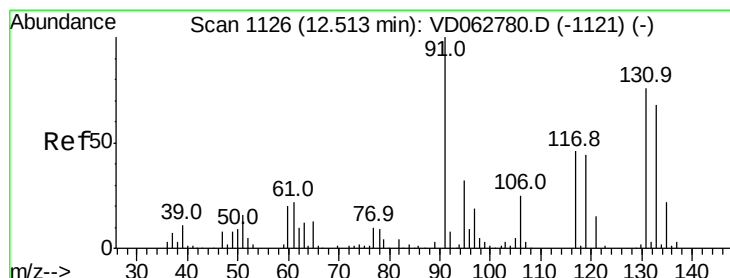
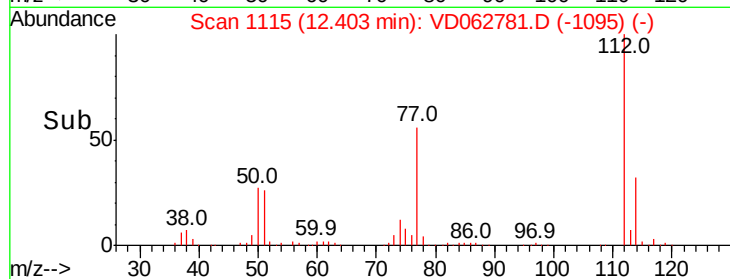
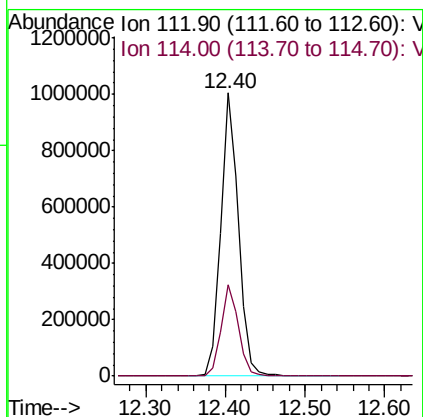
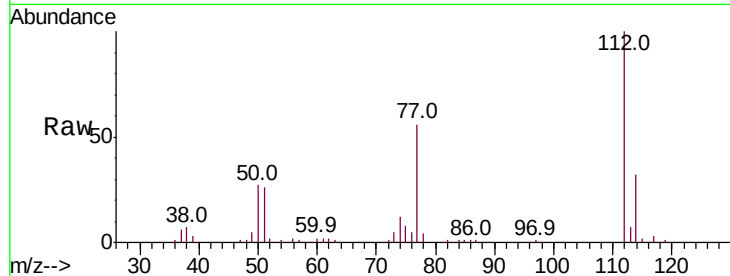




#65
Chlorobenzene
Concen: 73.810 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

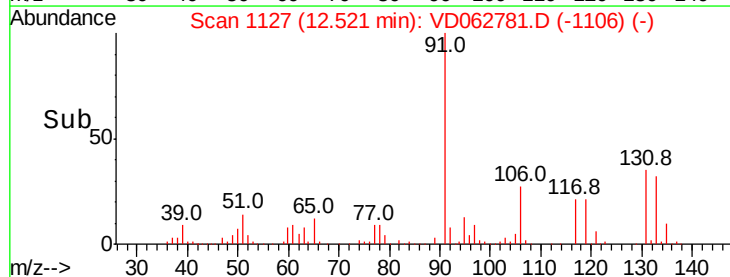
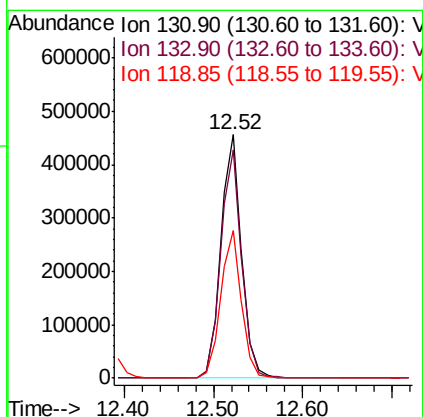
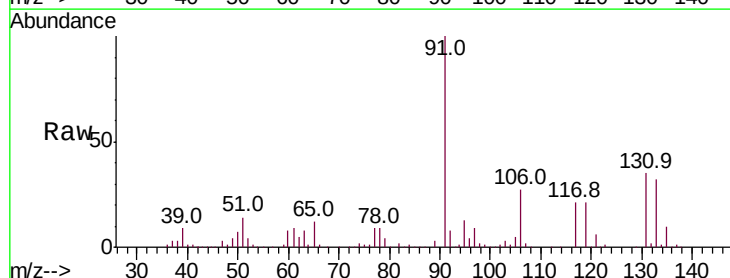
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

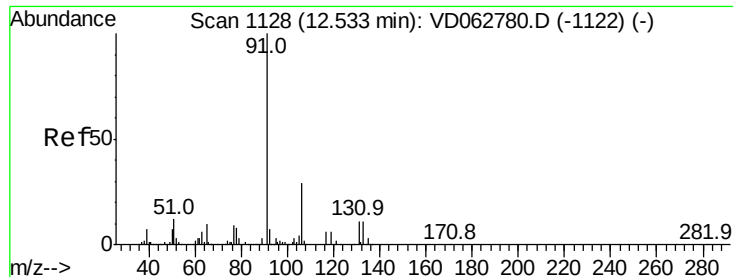
Tot Ion:112 Resp: 1573139
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 74.515 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion:131 Resp: 742722
Ion Ratio Lower Upper
131 100
133 93.5 44.5 133.3
119 60.7 28.6 85.9





#67

Ethyl Benzene

Concen: 72.677 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

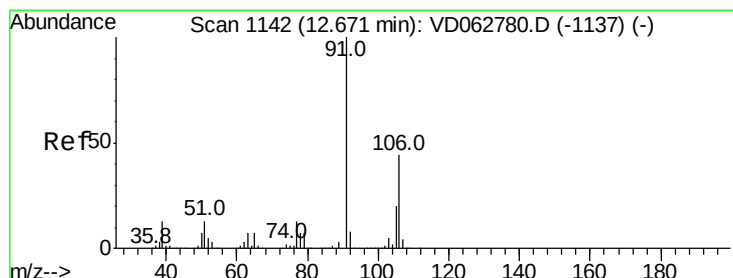
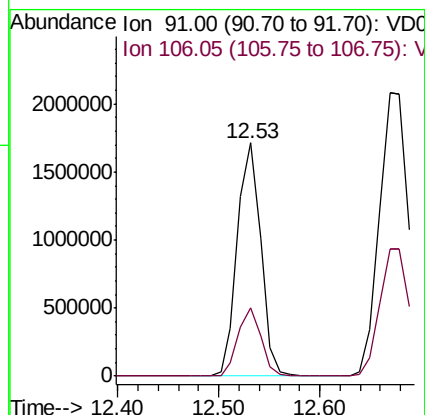
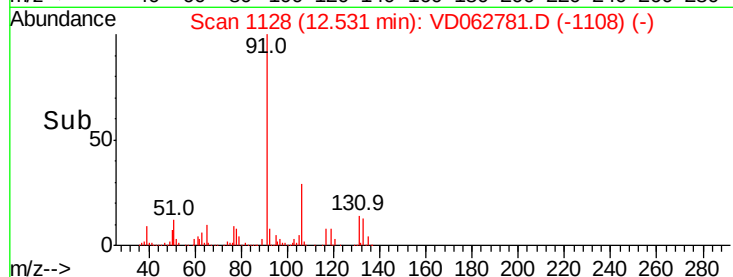
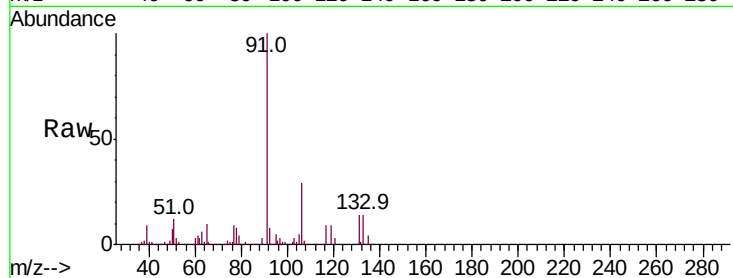
VSTDIC075

Tot Ion: 91 Resp: 2781046

Ion Ratio Lower Upper

91 100

106 29.1 23.1 34.7



#68

m/p-Xylenes

Concen: 143.104 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD062781.D

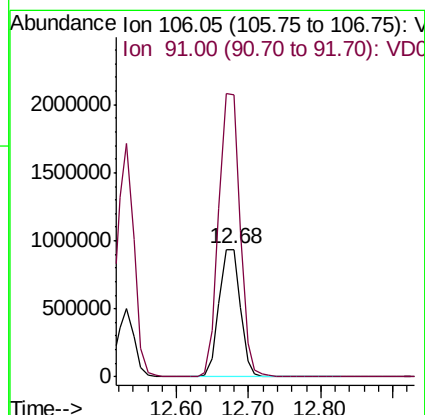
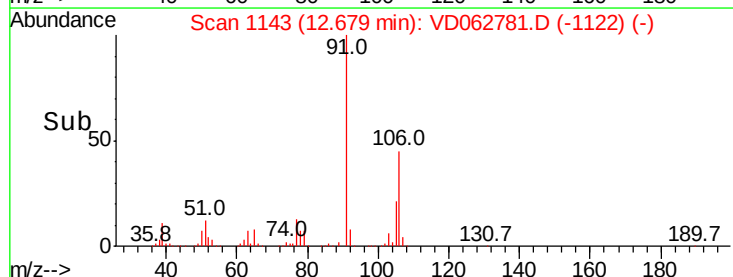
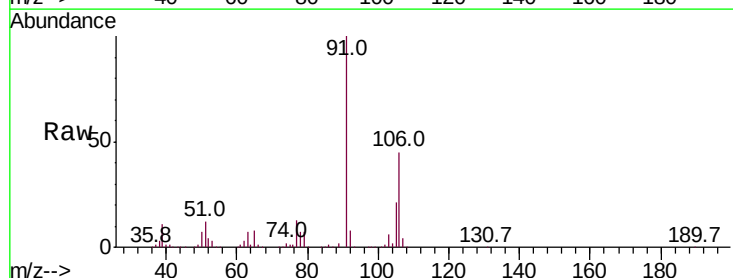
Acq: 19 Jun 2019 16:07

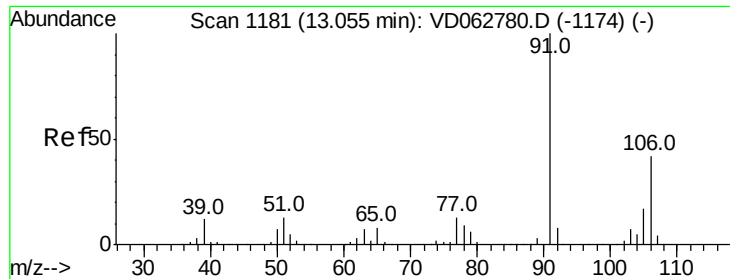
Tgt Ion: 106 Resp: 1907251

Ion Ratio Lower Upper

106 100

91 221.6 183.0 274.6

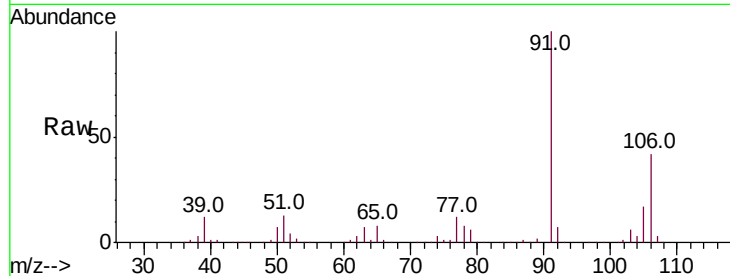




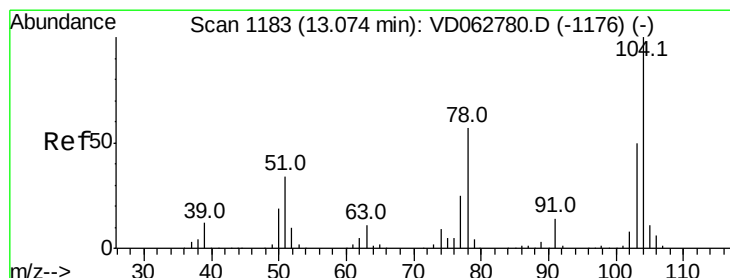
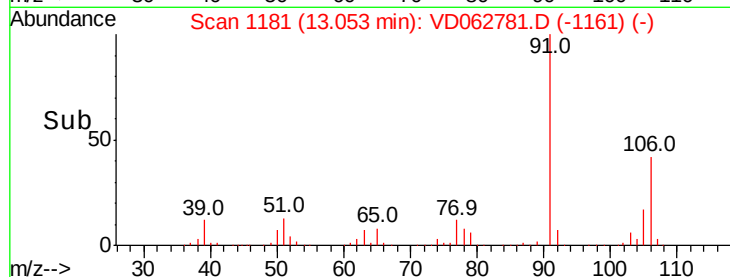
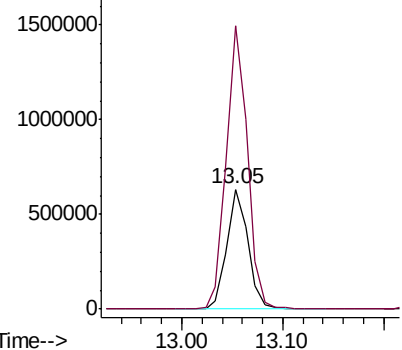
#69
o-Xylene
Concen: 75.727 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 922625
Ion Ratio Lower Upper
106 100
91 236.8 117.9 353.6

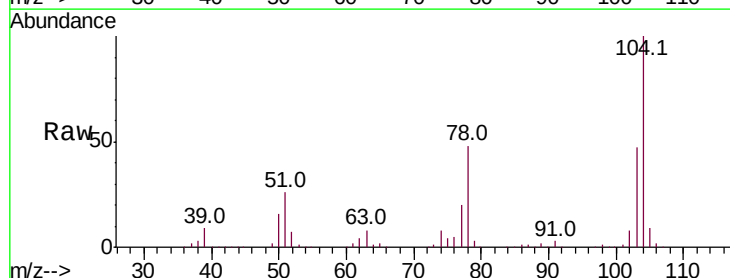


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

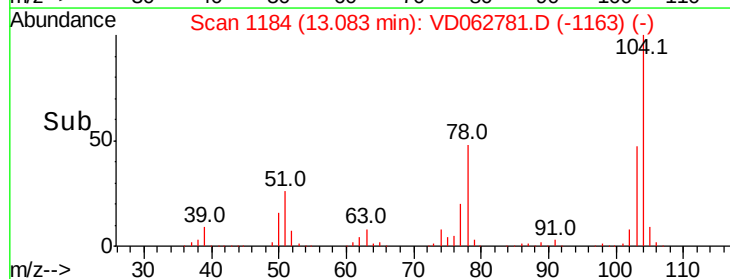
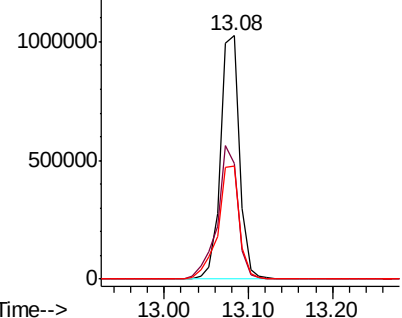


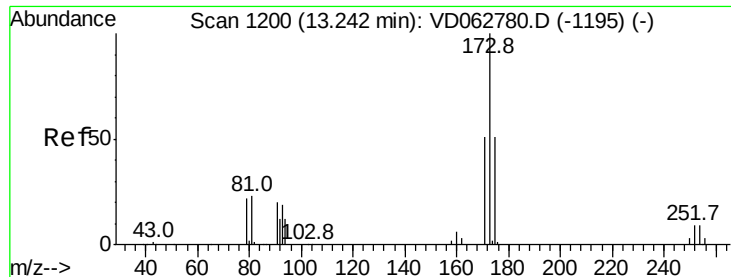
#70
Styrene
Concen: 75.280 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion:104 Resp: 1610983
Ion Ratio Lower Upper
104 100
78 47.7 45.4 68.2
103 46.6 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: 76.635 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

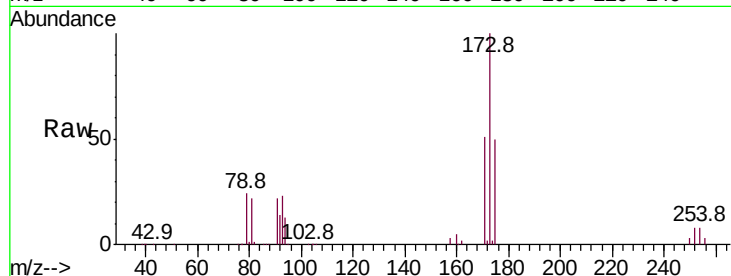
Tot Ion:173 Resp: 523350

Ion Ratio Lower Upper

173 100

175 49.6 25.3 75.9

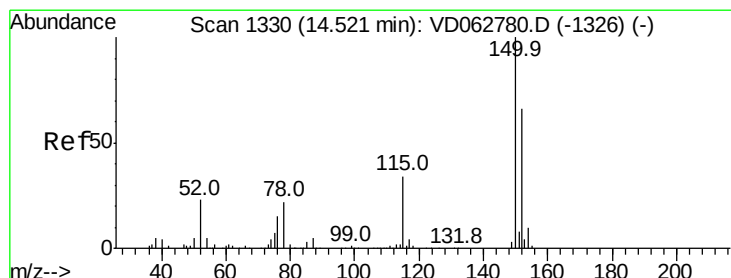
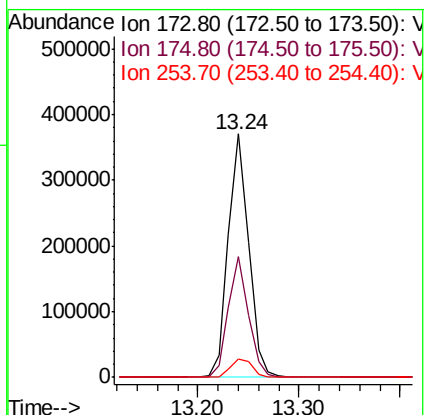
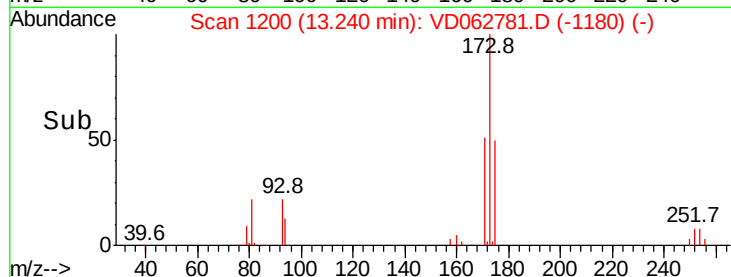
254 7.7 7.1 10.7



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

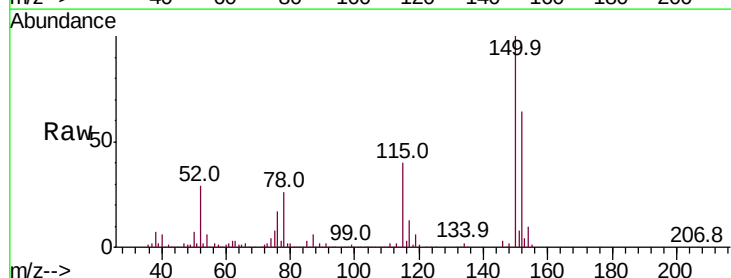
Tgt Ion:152 Resp: 615170

Ion Ratio Lower Upper

152 100

115 62.9 29.2 87.6

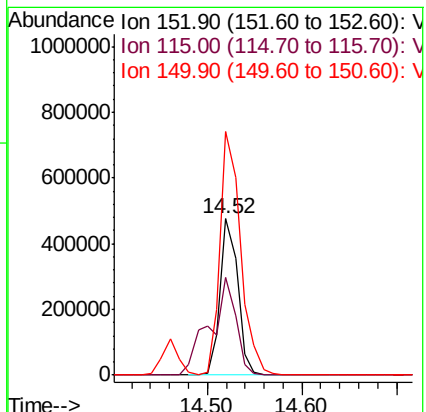
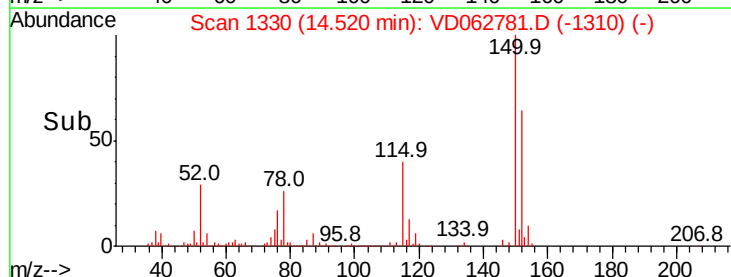
150 156.1 0.0 305.8

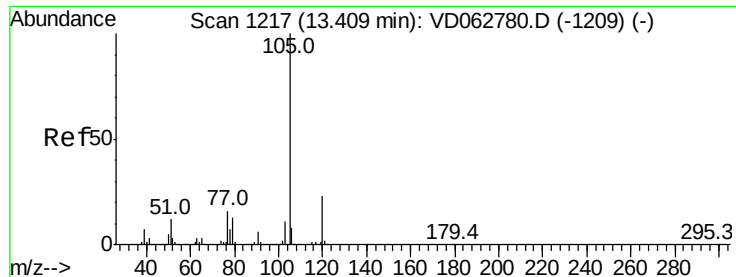


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 72.737 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

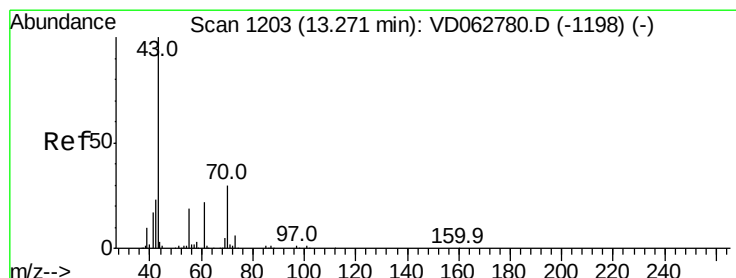
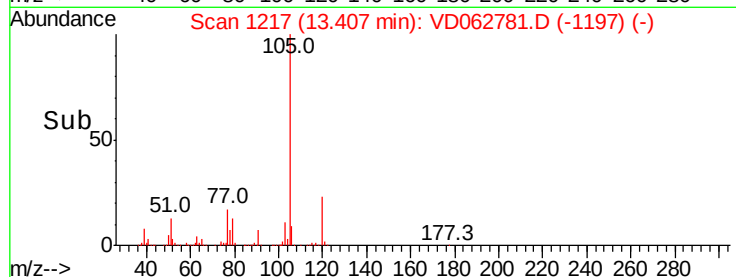
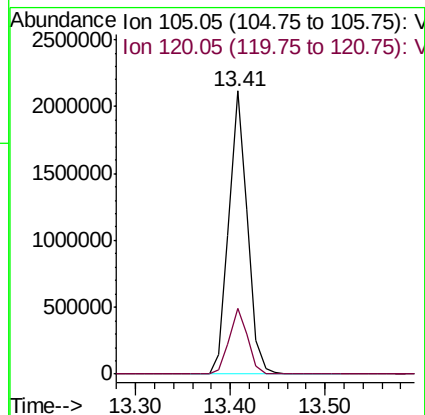
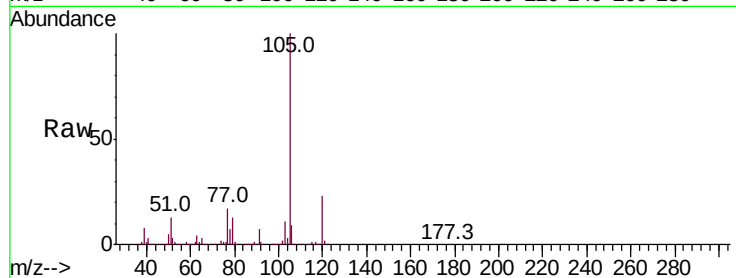
VSTDIC075

Tot Ion:105 Resp: 2869013

Ion Ratio Lower Upper

105 100

120 23.4 11.6 34.7



#74

N-ethyl acetate

Concen: 77.439 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Tgt Ion: 43 Resp: 741767

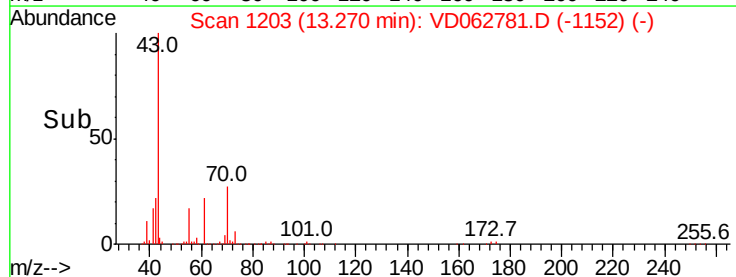
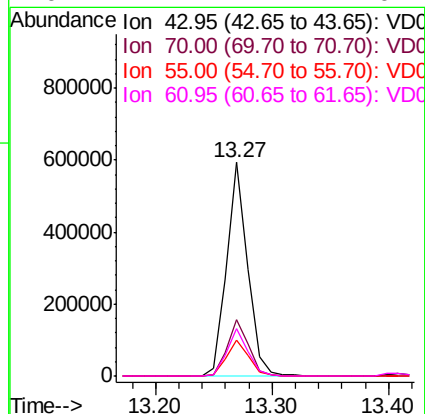
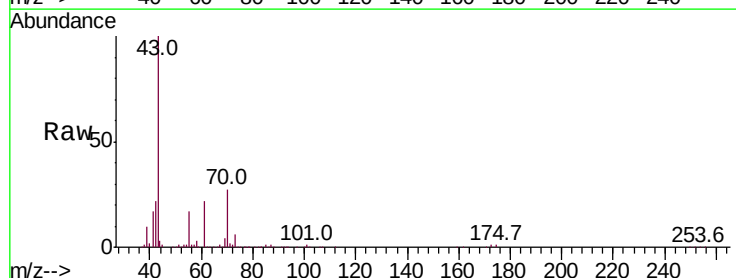
Ion Ratio Lower Upper

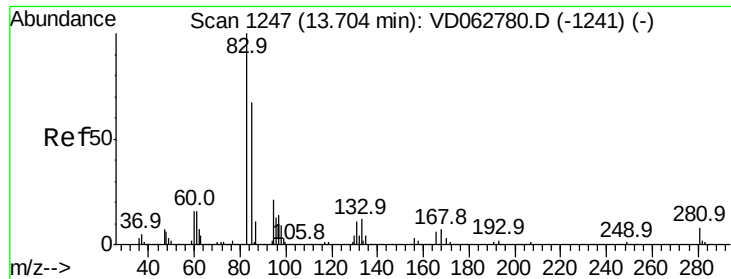
43 100

70 26.6 24.4 36.6

55 17.1 15.2 22.8

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 72.655 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

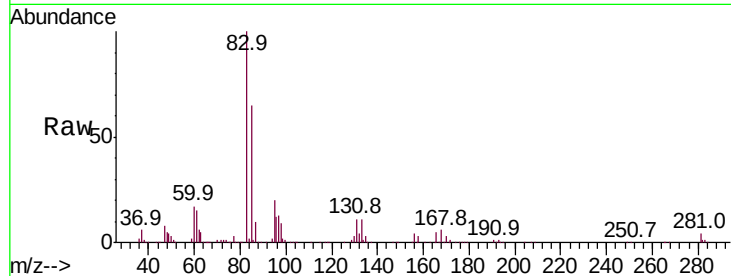
Tot Ion: 83 Resp: 466929

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

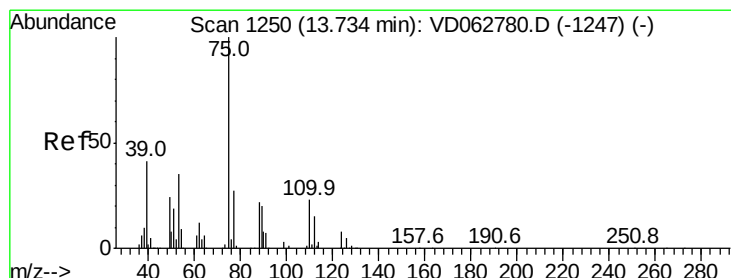
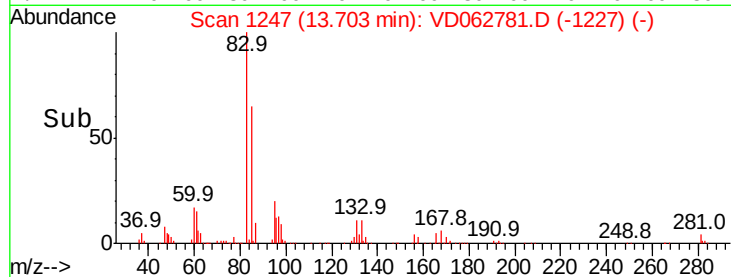
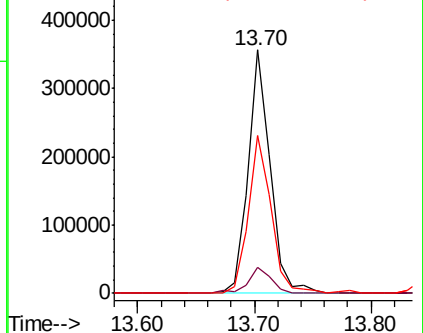
85 65.0 33.7 101.1



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: 71.231 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062781.D

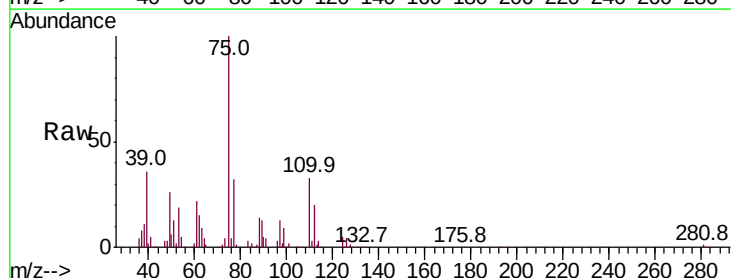
Acq: 19 Jun 2019 16:07

Tgt Ion: 75 Resp: 505860

Ion Ratio Lower Upper

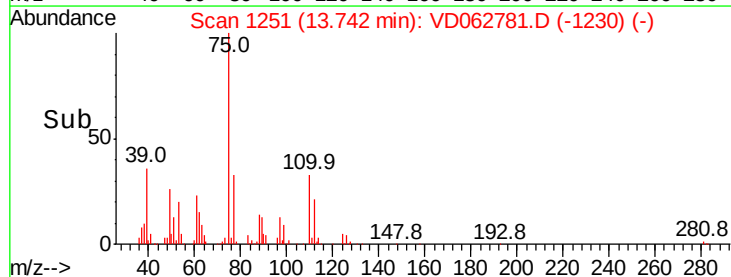
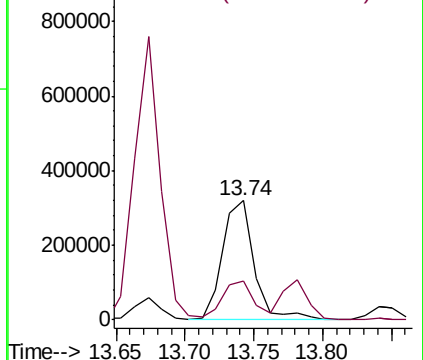
75 100

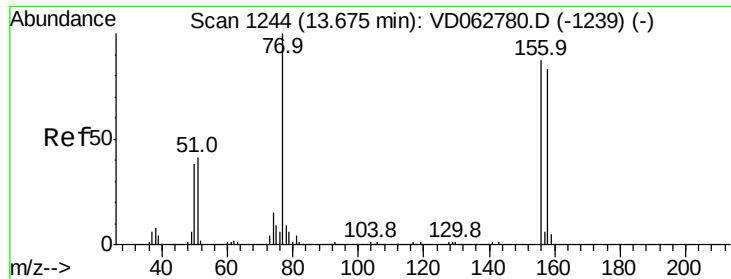
77 32.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 72.430 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

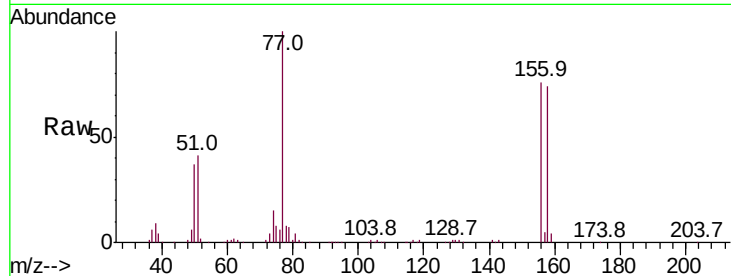
Tot Ion:156 Resp: 768425

Ion Ratio Lower Upper

156 100

77 131.0 57.7 173.1

158 97.5 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

1000000

800000

600000

400000

200000

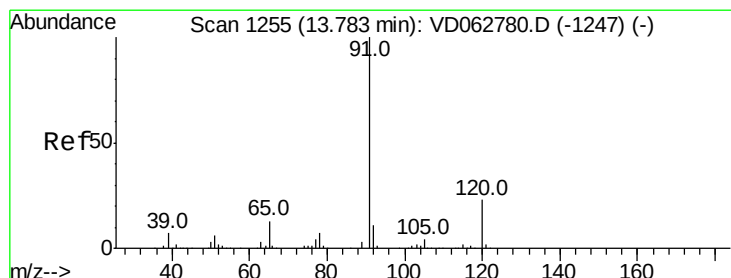
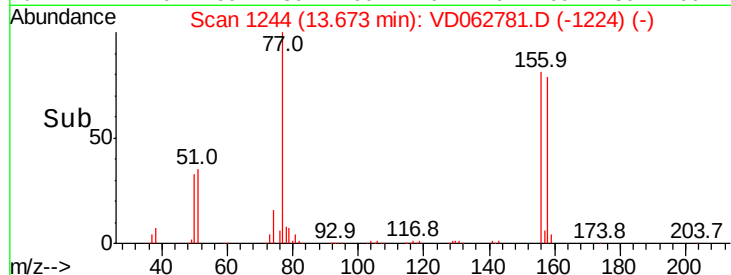
0

13.60

13.70

13.67

Time-->



#78

n-propylbenzene

Concen: 71.757 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062781.D

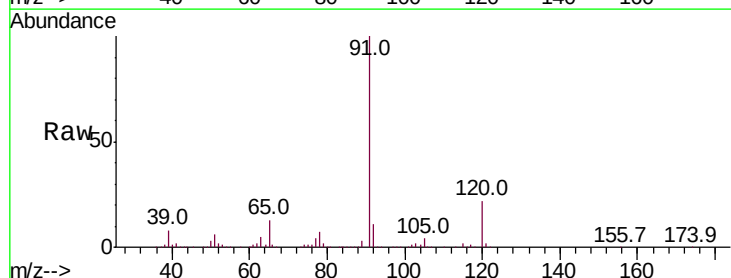
Acq: 19 Jun 2019 16:07

Tgt Ion: 91 Resp: 3294245

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

2500000

2000000

1500000

1000000

500000

0

13.65

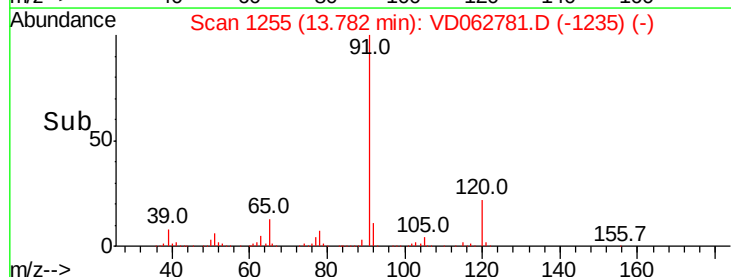
13.70

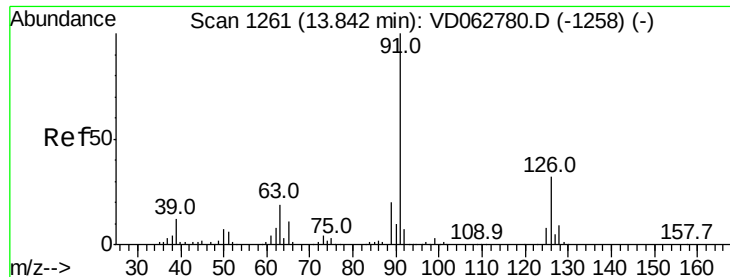
13.75

13.80

13.78

Time-->

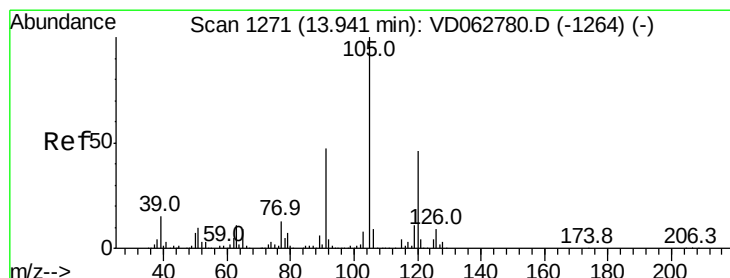
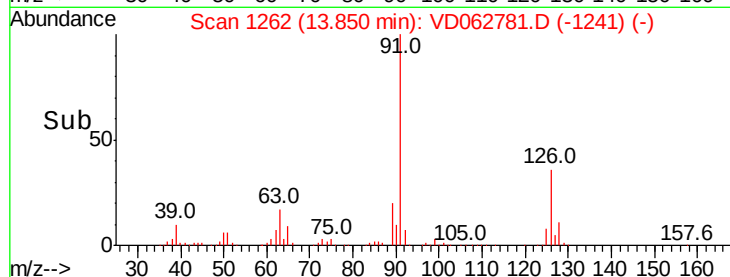
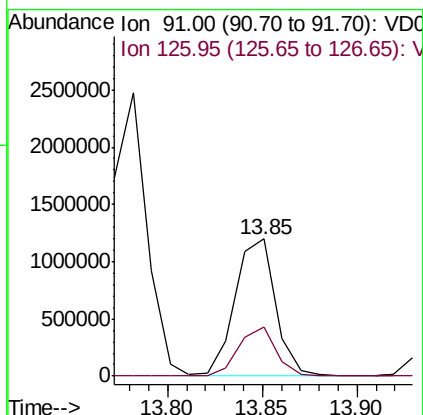
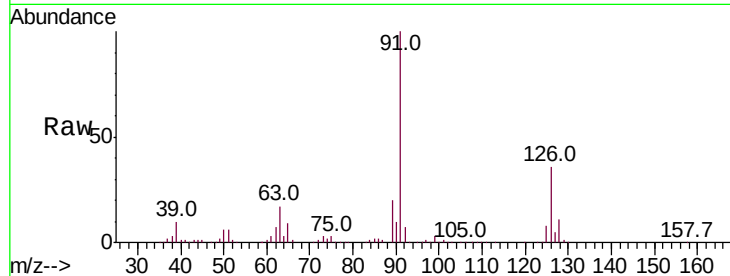




#79
2-Chlorotoluene
Concen: 67.113 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

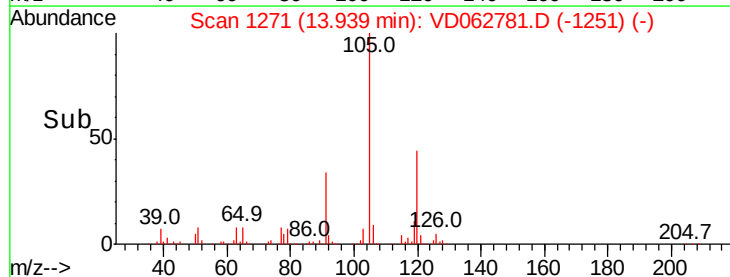
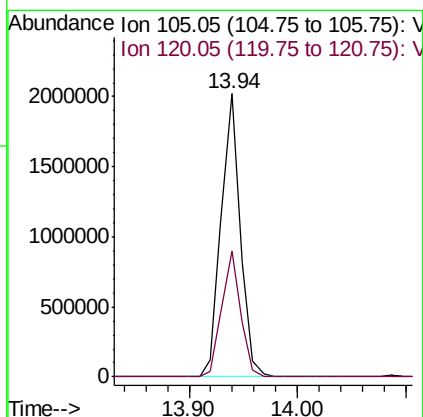
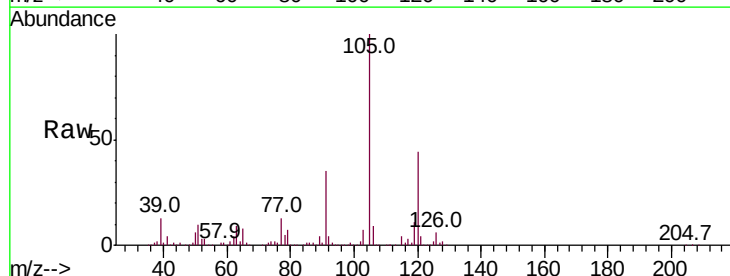
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

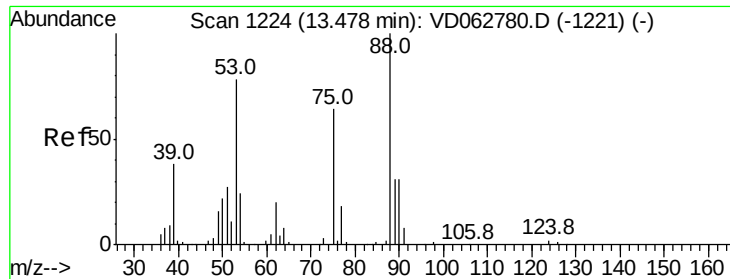
Tot Ion: 91 Resp: 1759170
Ion Ratio Lower Upper
91 100
126 35.8 15.7 47.1



#80
1,3,5-Trimethylbenzene
Concen: 75.009 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion:105 Resp: 2485138
Ion Ratio Lower Upper
105 100
120 44.5 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 78.529 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

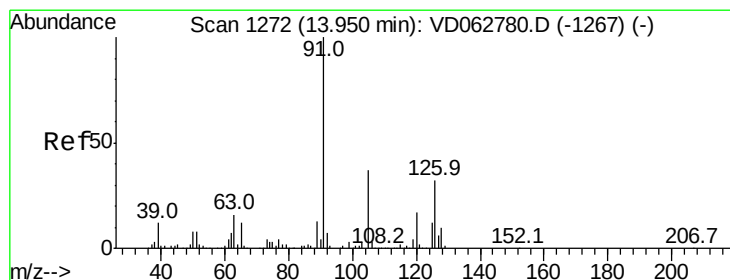
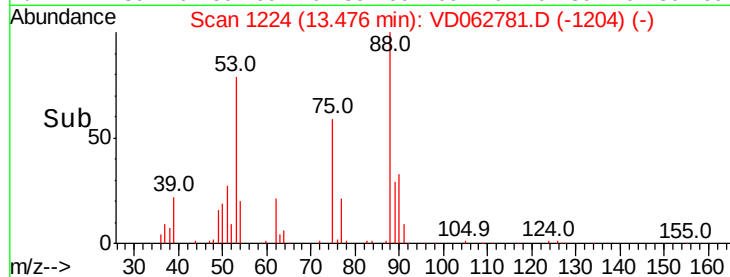
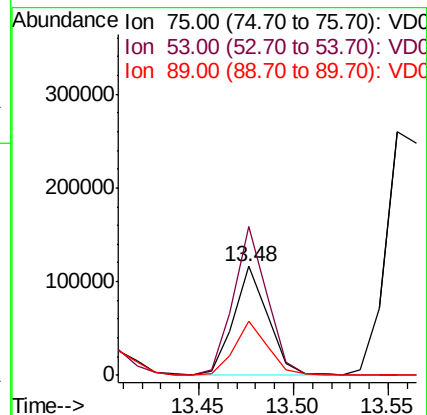
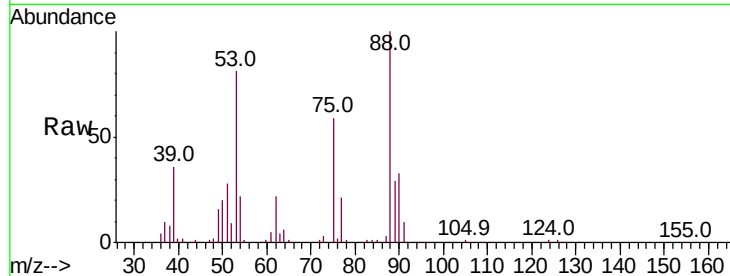
Tot Ion: 75 Resp: 146162

Ion Ratio Lower Upper

75 100

53 136.8 97.8 146.8

89 49.4 39.4 59.2



#82

4-Chlorotoluene

Concen: 72.174 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062781.D

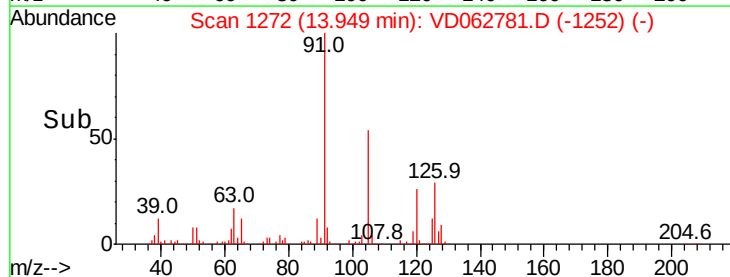
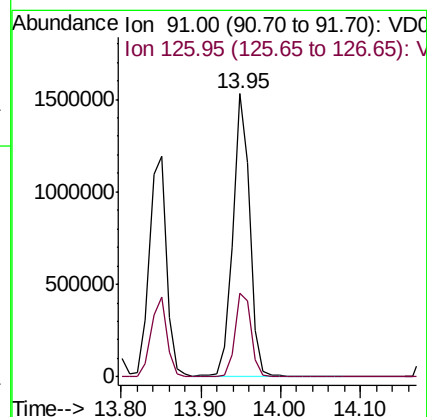
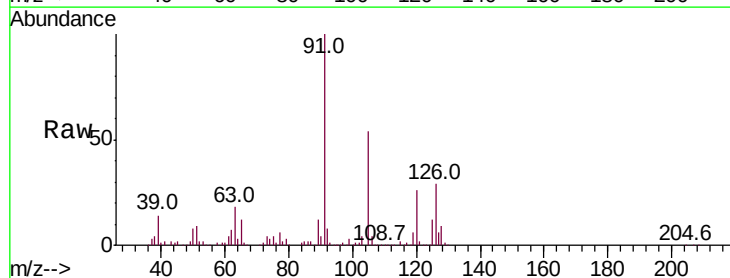
Acq: 19 Jun 2019 16:07

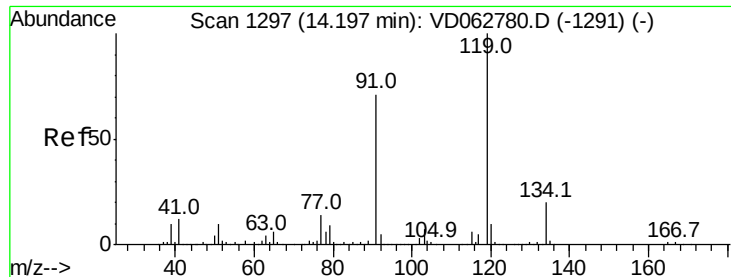
Tgt Ion: 91 Resp: 2279649

Ion Ratio Lower Upper

91 100

126 29.4 16.0 47.9

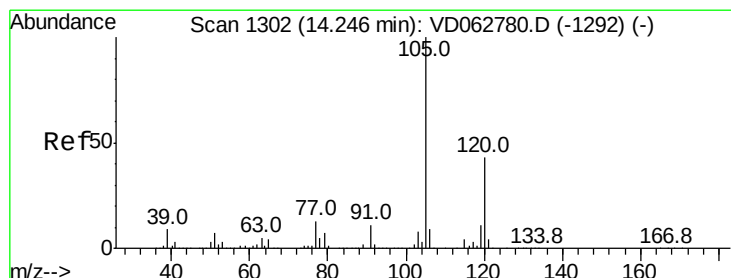
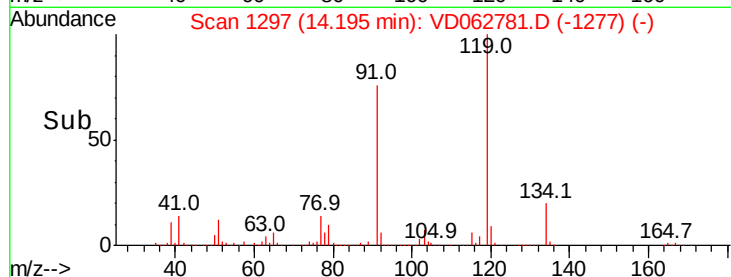
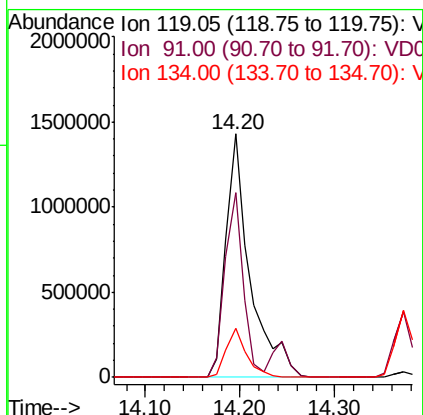
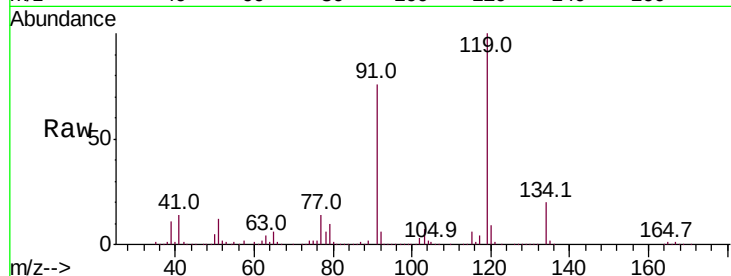




#83
 tert-Butylbenzene
 Concen: 68.470 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

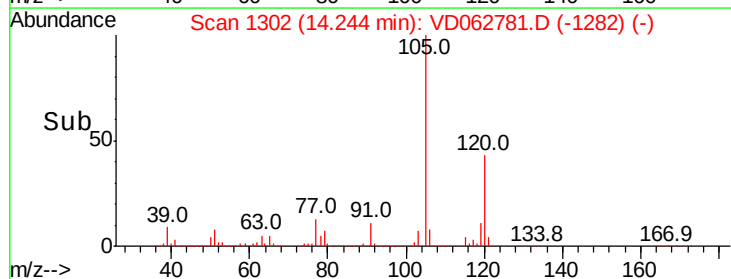
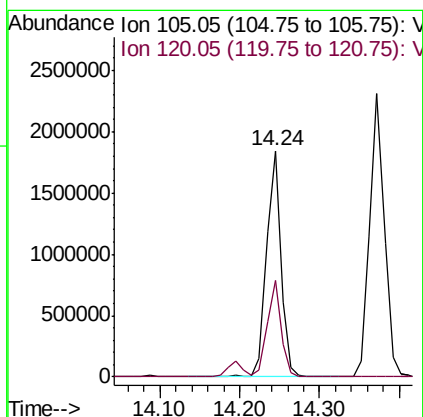
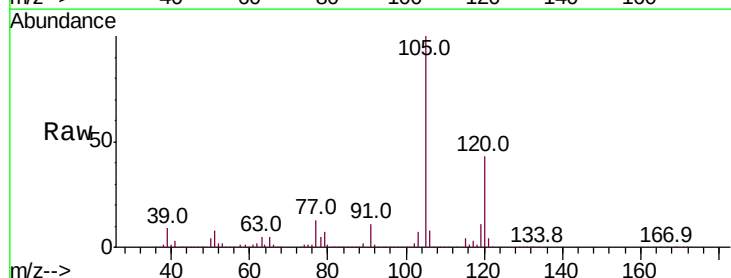
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

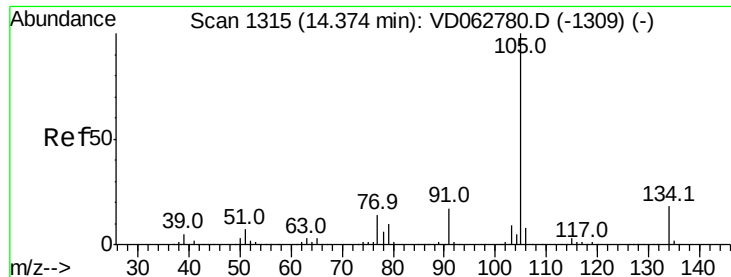
Tot Ion:119 Resp: 2528562
 Ion Ratio Lower Upper
 119 100
 91 76.1 35.5 106.5
 134 20.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 68.325 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion:105 Resp: 2320189
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.3 63.9

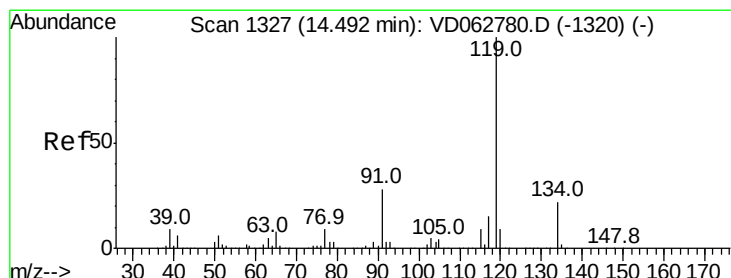
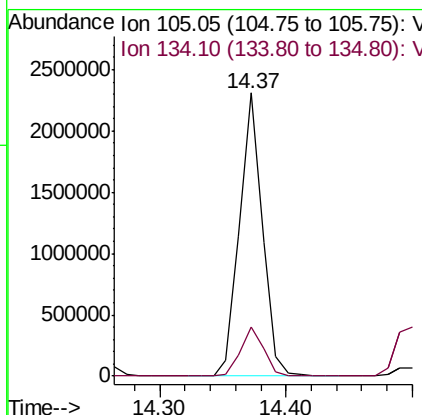
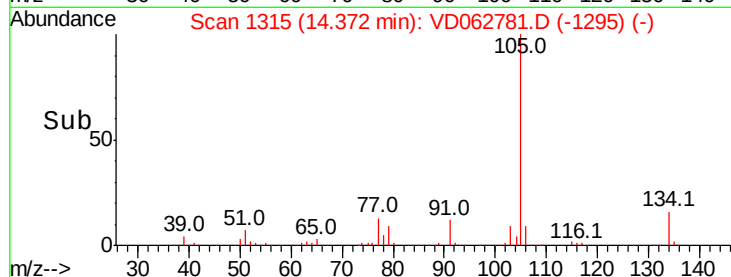
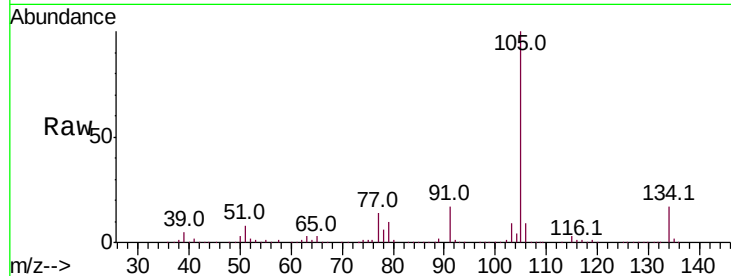




#85
 sec-Butylbenzene
 Concen: 71.652 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

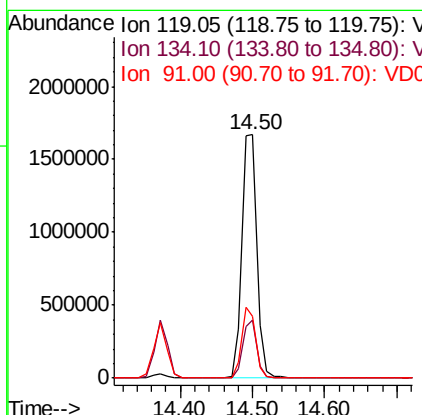
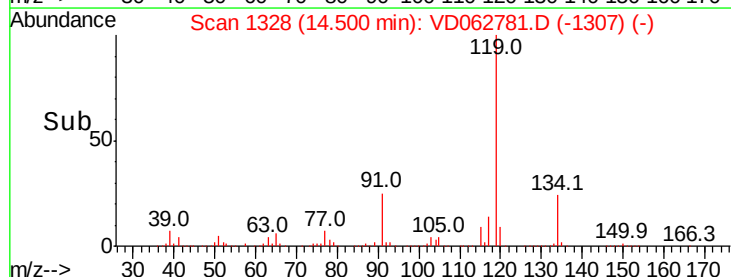
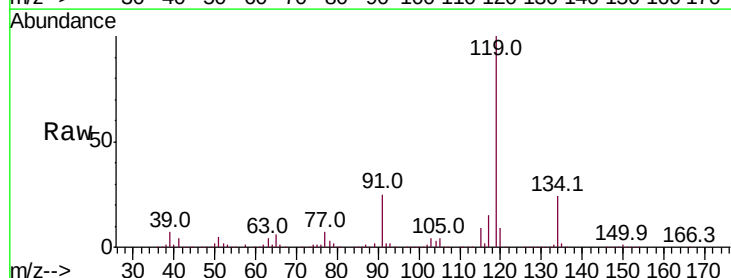
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

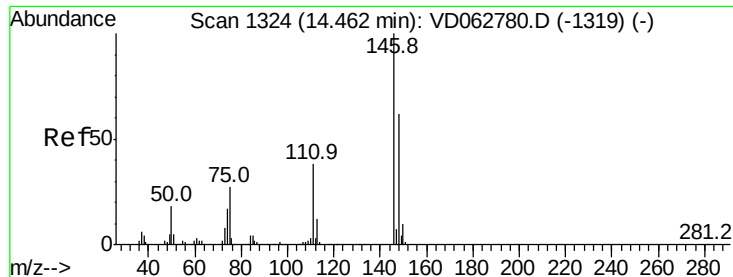
Tot Ion:105 Resp: 2875931
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 66.484 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion:119 Resp: 2441256
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.1 33.1
 91 25.2 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 71.078 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

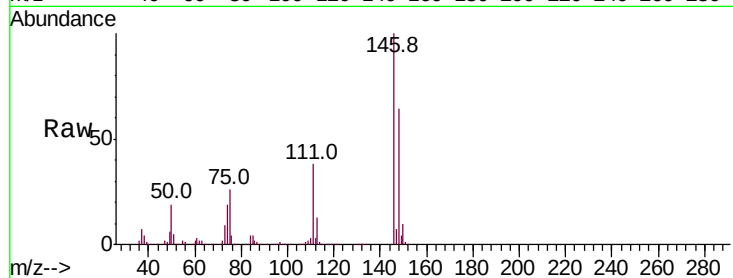
MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:146 Resp: 1351737

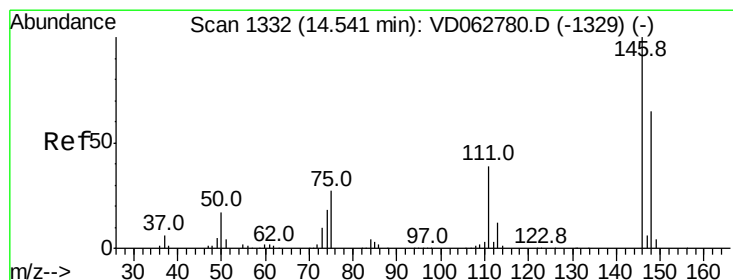
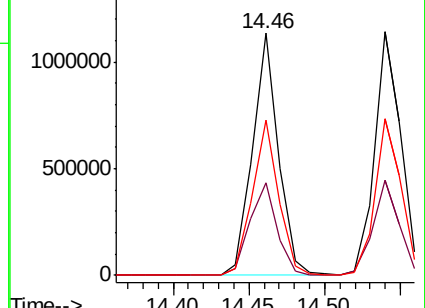
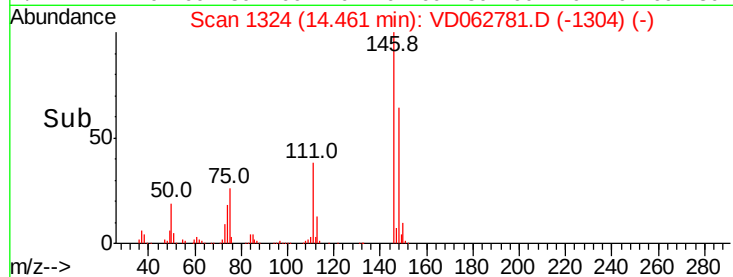
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.0	30.8	92.3



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: 72.584 ug/l

RT: 14.54 min Scan# 1332

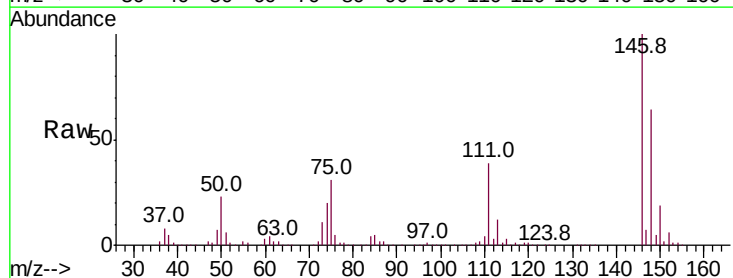
Delta R.T. -0.00 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Tgt Ion:146 Resp: 1386453

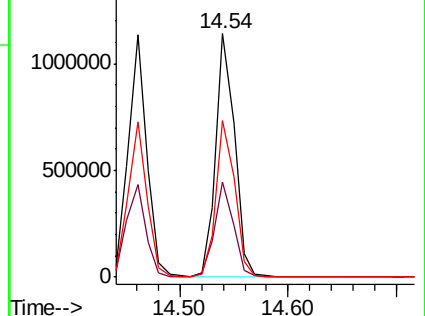
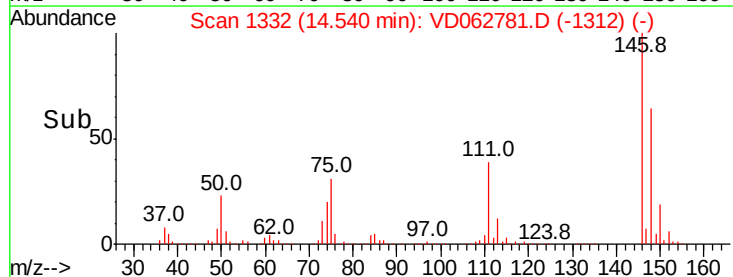
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.1	32.8	98.3

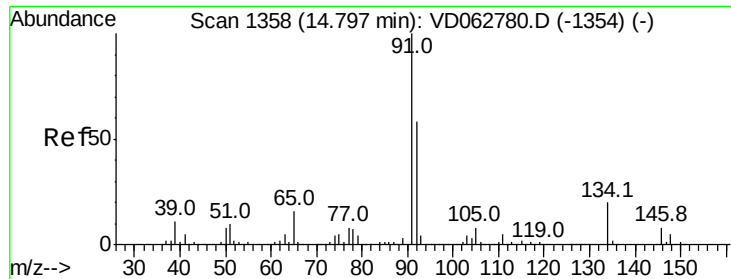


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 69.686 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062781.D

Acq: 19 Jun 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

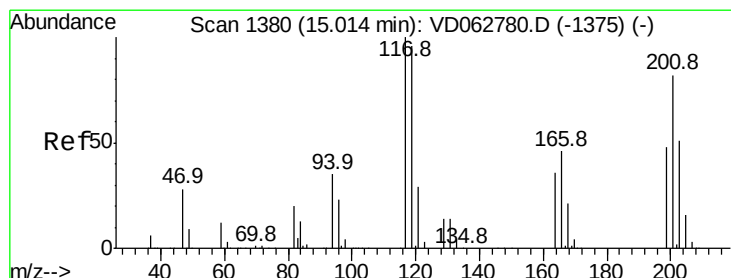
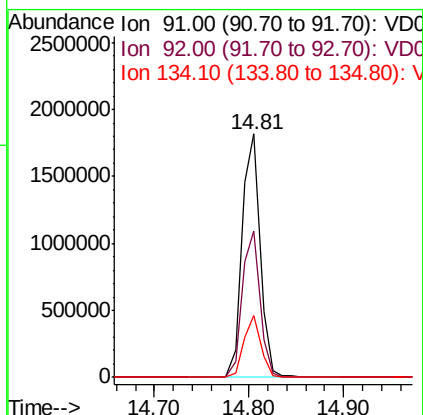
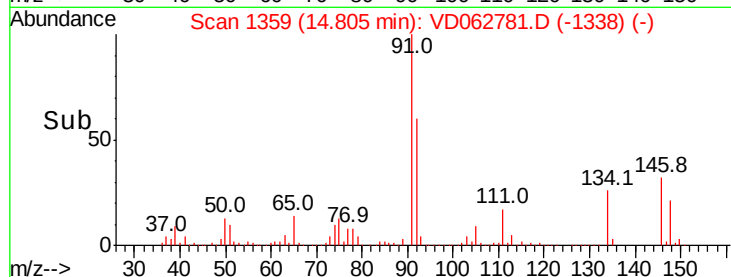
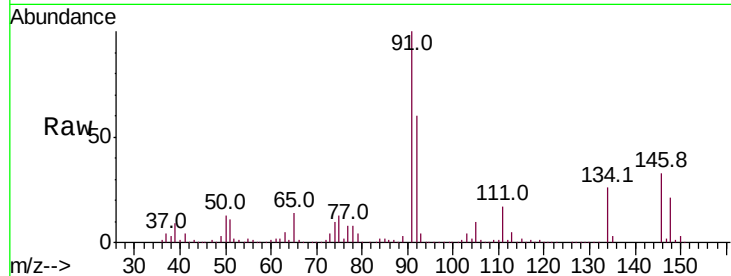
Tot Ion: 91 Resp: 2394973

Ion Ratio Lower Upper

91 100

92 60.1 28.9 86.7

134 25.5 10.1 30.3



#90

Hexachloroethane

Concen: 73.428 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062781.D

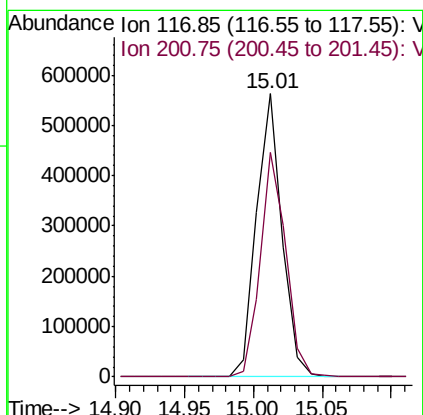
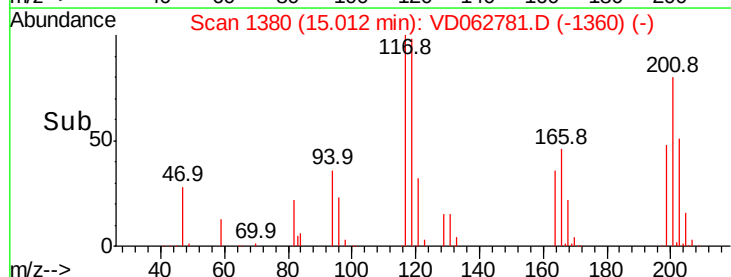
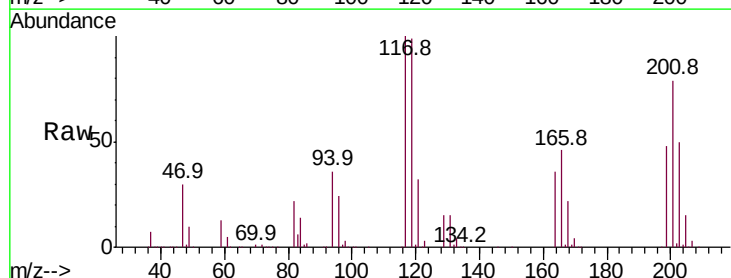
Acq: 19 Jun 2019 16:07

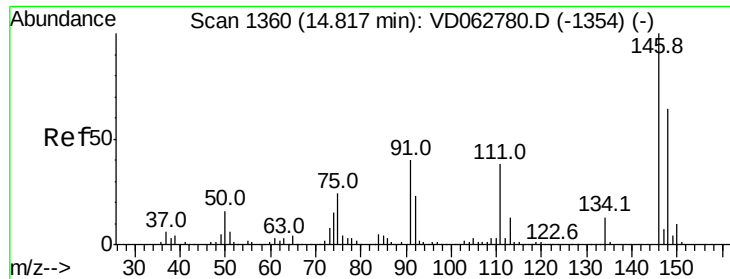
Tgt Ion: 117 Resp: 724939

Ion Ratio Lower Upper

117 100

201 79.4 40.8 122.2

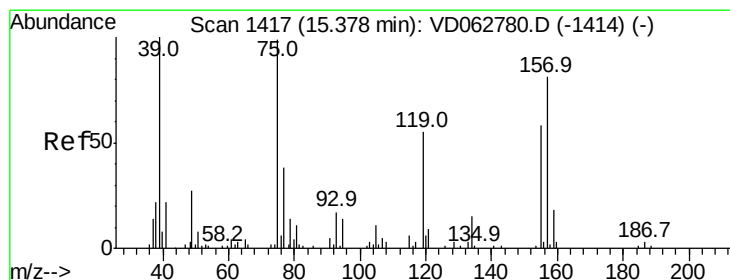
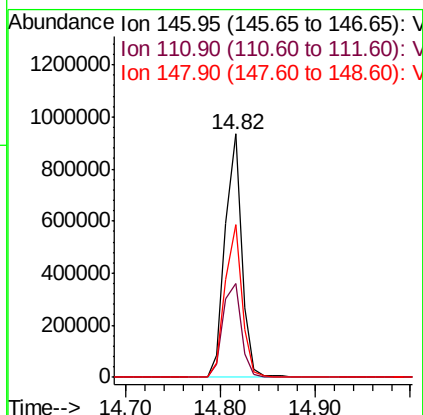
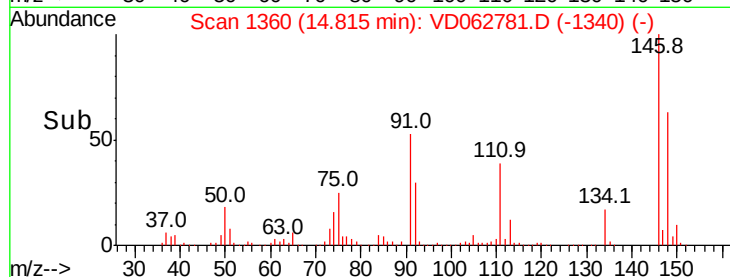
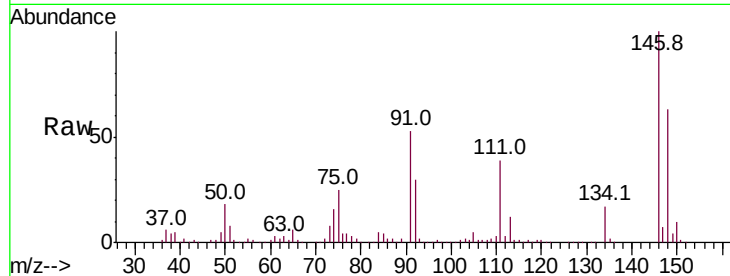




#91
 1,2-Dichlorobenzene
 Concen: 70.287 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

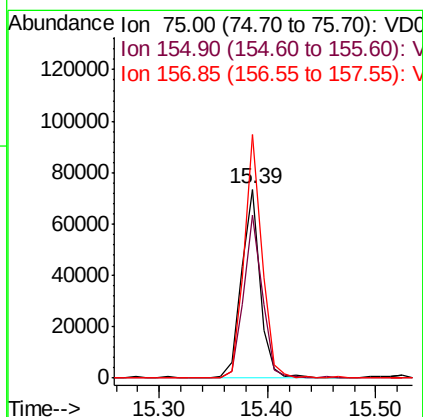
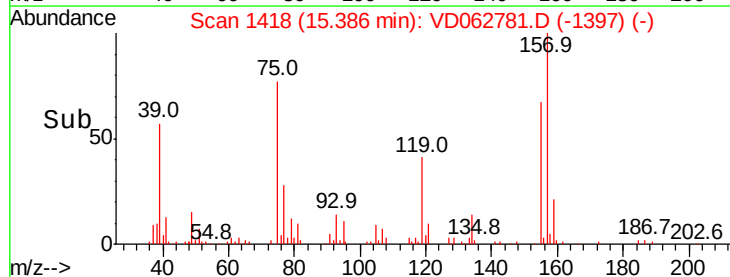
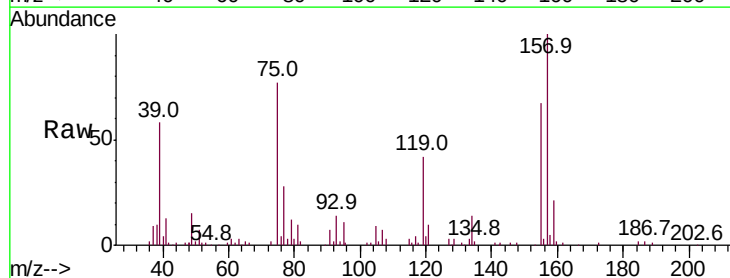
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

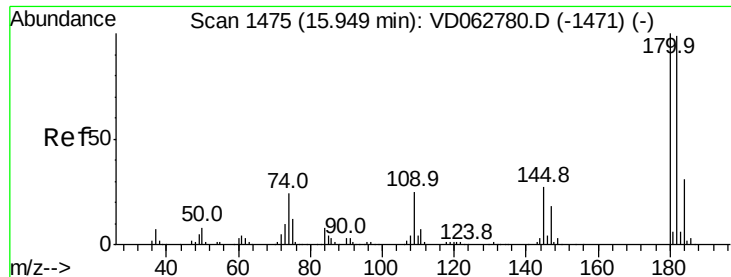
Tot Ion:146 Resp: 1143642
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.1
 148 63.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.490 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion: 75 Resp: 88420
 Ion Ratio Lower Upper
 75 100
 155 86.5 29.3 87.8
 157 129.1 41.3 123.7#

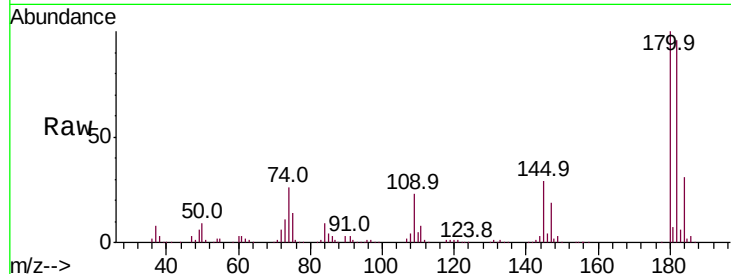




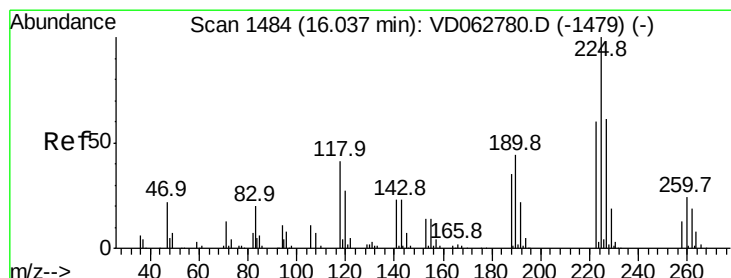
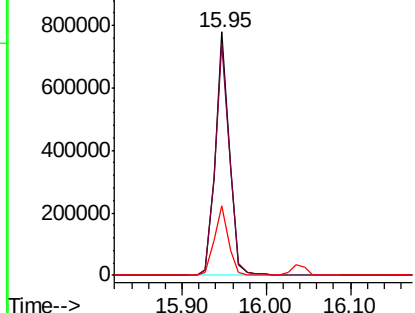
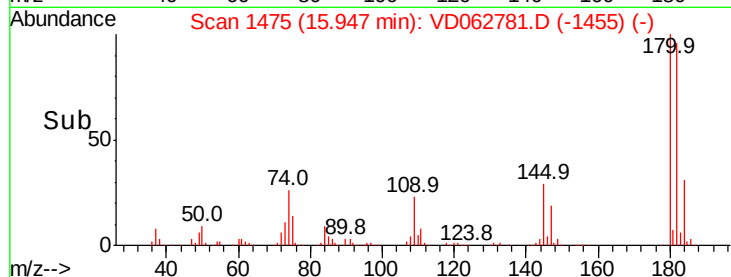
#93
 1,2,4-Trichlorobenzene
 Concen: 71.040 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	49.5	148.5
145	28.7	13.7	41.0

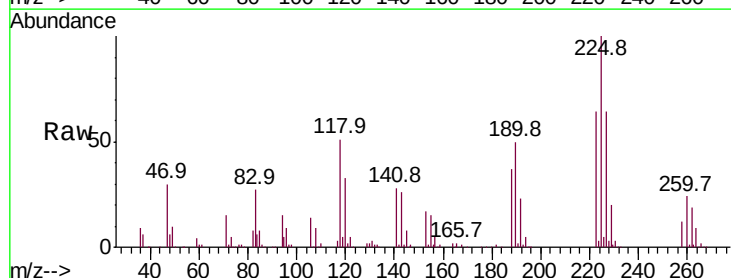


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

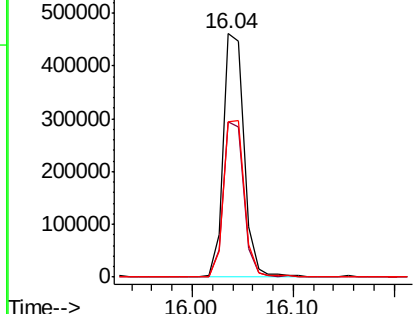
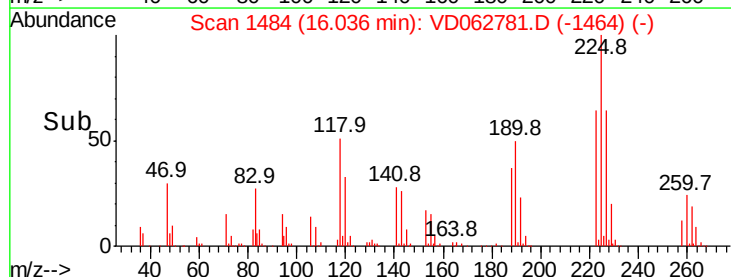


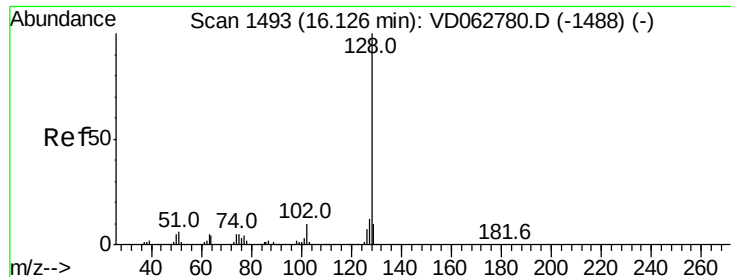
#94
 Hexachlorobutadiene
 Concen: 68.530 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062781.D
 Acq: 19 Jun 2019 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	29.8	89.5
227	63.6	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

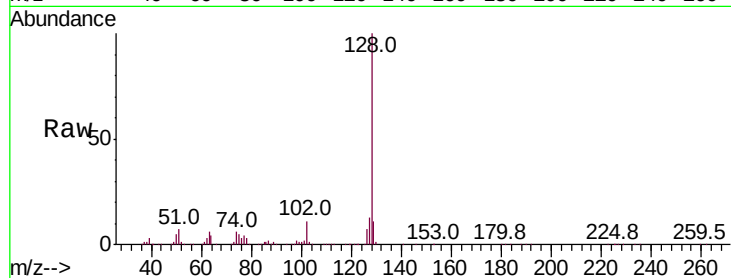




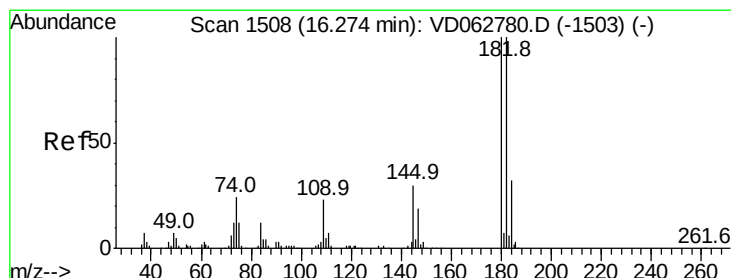
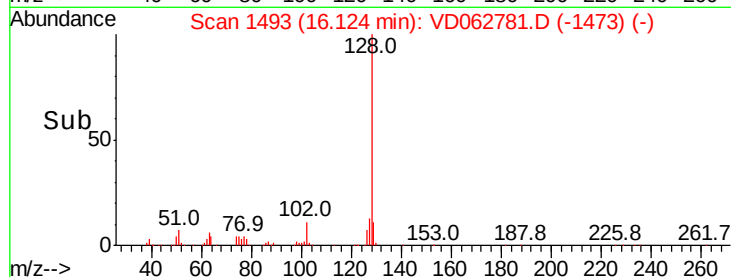
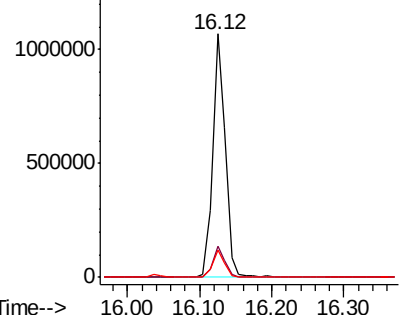
#95
Naphthalene
Concen: 72.351 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1288928
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.4 8.3 12.5

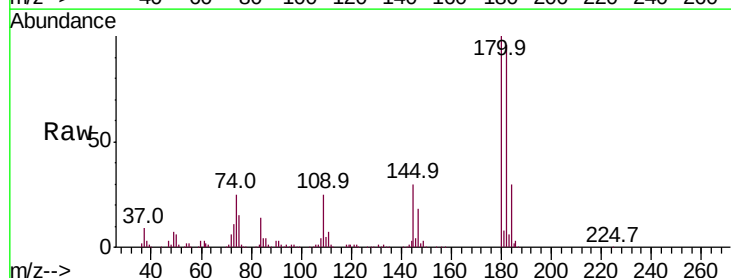


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 70.965 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062781.D
Acq: 19 Jun 2019 16:07

Tgt Ion:180 Resp: 693039
Ion Ratio Lower Upper
180 100
182 96.3 49.9 149.6
145 30.0 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

