

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062828.D
 Acq On : 21 Jun 2019 20:37
 Operator : VA/AP
 Sample : K3482-05
 Misc : 6.82g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Jun 22 04:15:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	2560	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	5307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	4192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	4939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	3630	130.45	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	260.90%	
35) Dibromofluoromethane	6.93	113	1478	33.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.06%	
50) Toluene-d8	10.41	98	5449	55.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.90%	
62) 4-Bromofluorobenzene	13.56	95	9045	204.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	408.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	178	7.145	ug/l #	1
5) Bromomethane	2.18	94	2666	230.458	ug/l #	13
7) Trichlorofluoromethane	2.54	101	181	3.621	ug/l #	18
8) Diethyl Ether	2.92	74	183	28.811	ug/l #	1
10) Methyl Iodide	3.43	142	194	5.430	ug/l #	27
13) Acrolein	2.88	56	504	389.541	ug/l #	15
16) Acetone	3.22	43	2098	375.292	ug/l #	64
18) Methyl Acetate	3.59	43	204	24.285	ug/l #	58
23) Vinyl Acetate	5.21	43	293	7.670	ug/l #	82
25) 2-Butanone	5.97	43	191	36.699	ug/l #	64
28) Bromochloromethane	6.41	49	180	12.857	ug/l #	4
31) Cyclohexane	7.10	56	221	8.457	ug/l #	13
37) Ethyl Acetate	6.24	43	199	8.516	ug/l #	69
39) Methylcyclohexane	8.89	83	198	4.477	ug/l #	11
43) Isopropyl Acetate	9.30	43	201	7.632	ug/l #	48
48) Methyl methacrylate	9.02	41	1632	87.195	ug/l #	42
51) 4-Methyl-2-Pentanone	10.38	43	612	32.773	ug/l #	41
52) Toluene	10.65	92	204	3.009	ug/l #	1
55) 1,1,2-Trichloroethane	11.27	97	219	9.404	ug/l #	14
56) Ethyl methacrylate	11.09	69	1245	50.022	ug/l #	31
59) 2-Hexanone	11.50	43	36815	2768.218	ug/l #	37
65) Chlorobenzene	12.31	112	245	3.149	ug/l #	42
67) Ethyl Benzene	12.54	91	1023	7.324	ug/l #	46
68) m/p-Xylenes	12.63	106	201	4.132	ug/l #	1
69) o-Xylene	13.17	106	185	4.160	ug/l #	41
70) Styrene	13.10	104	181	2.317	ug/l #	25
73) Isopropylbenzene	13.41	105	5222	16.490	ug/l #	82
74) N-amyl acetate	13.23	43	136150	1770.369	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	13.72	83	42761	828.739	ug/l #	49
76) 1,2,3-Trichloropropane	13.85	75	180	3.157	ug/l #	1
78) n-propylbenzene	13.78	91	8023	21.767	ug/l #	96
79) 2-Chlorotoluene	13.90	91	4013	19.051	ug/l #	88
80) 1,3,5-Trimethylbenzene	13.94	105	663	2.492	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	868	58.086	ug/l #	1

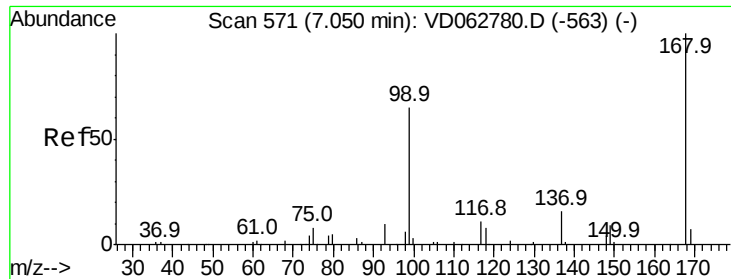
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.98	91	2154	8.494	ug/l	79
83) tert-Butylbenzene	14.19	119	2831	9.548	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.37	105	72361	265.412	ug/l #	33
85) sec-Butylbenzene	14.37	105	73686	228.660	ug/l	95
86) p-Isopropyltoluene	14.37	119	1473	4.996	ug/l #	1
87) 1,3-Dichlorobenzene	14.54	146	185	1.212	ug/l #	1
88) 1,4-Dichlorobenzene	14.54	146	185	1.206	ug/l #	1
89) n-Butylbenzene	14.78	91	26705	96.782	ug/l #	23
90) Hexachloroethane	15.06	117	36960	466.283	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	15.34	75	3586	356.077	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.97	180	1225	12.004	ug/l #	1
95) Naphthalene	16.12	128	10087	70.523	ug/l #	37
96) 1,2,3-Trichlorobenzene	16.26	180	2084	26.579	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

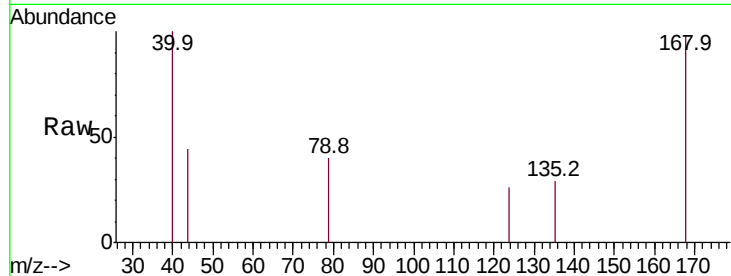
TP-3

Tot Ion:168 Resp: 2560

Ion Ratio Lower Upper

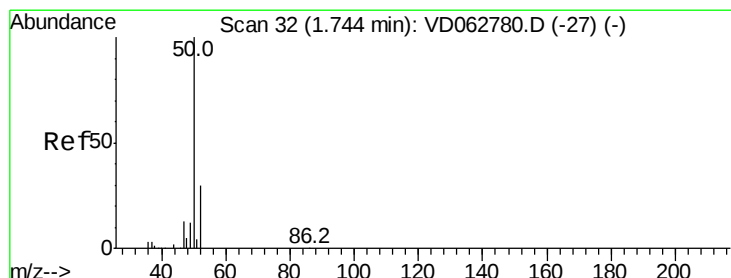
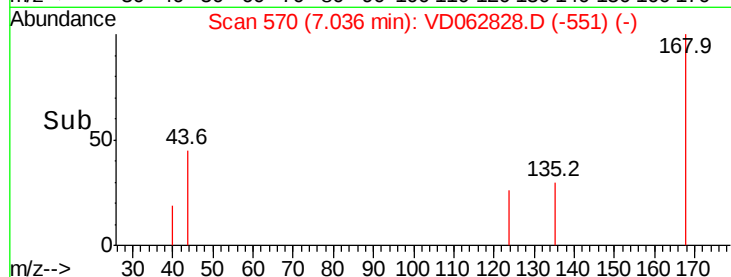
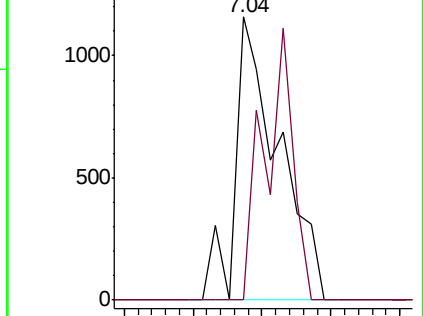
168 100

99 0.0 53.0 79.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 7.145 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062828.D

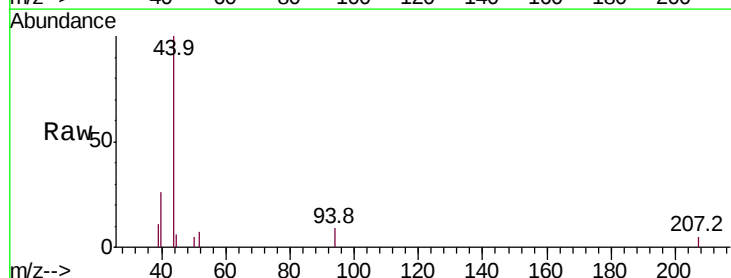
Acq: 21 Jun 2019 20:37

Tgt Ion: 50 Resp: 178

Ion Ratio Lower Upper

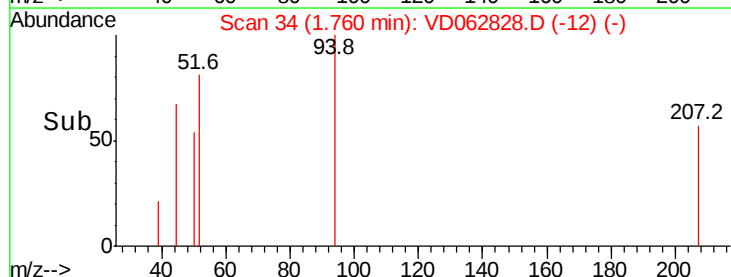
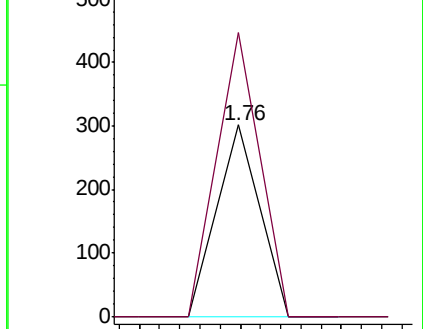
50 100

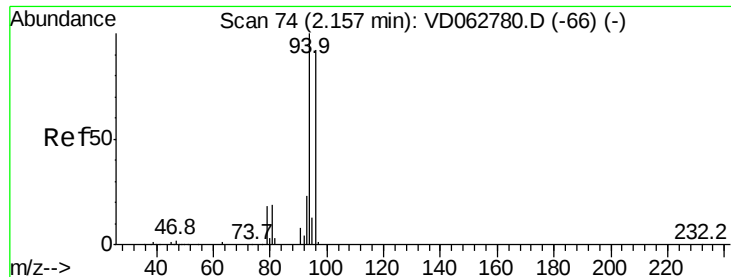
52 148.5 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 230.458 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
TP-3

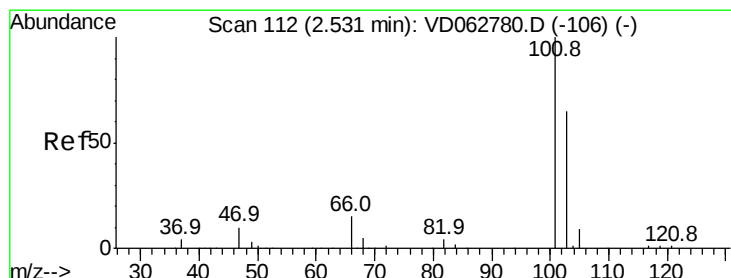
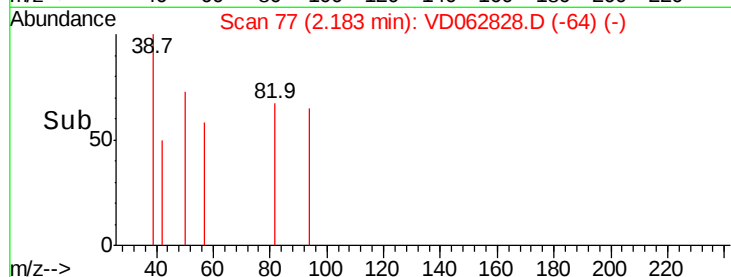
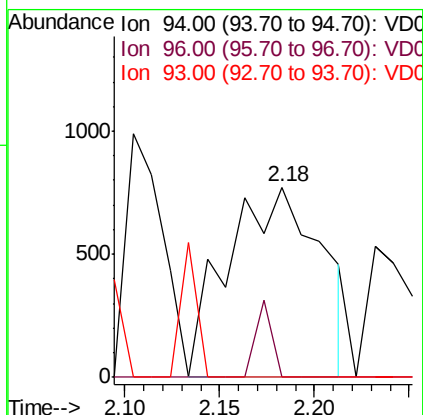
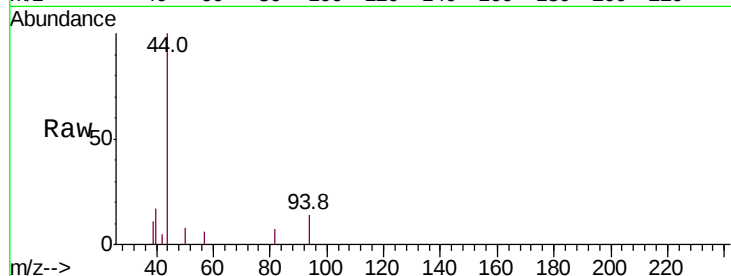
Tot Ion: 94 Resp: 2666

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



#7

Trichlorofluoromethane

Concen: 3.621 ug/l

RT: 2.54 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD062828.D

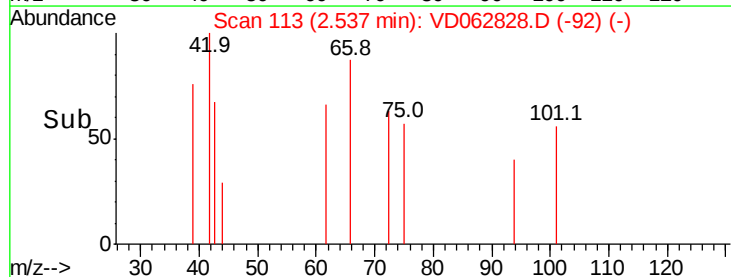
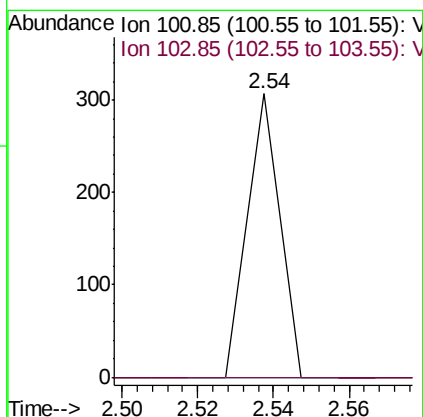
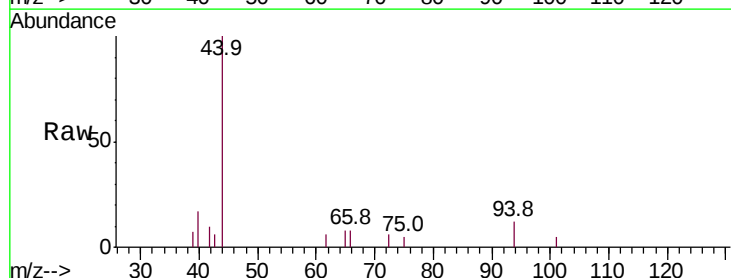
Acq: 21 Jun 2019 20:37

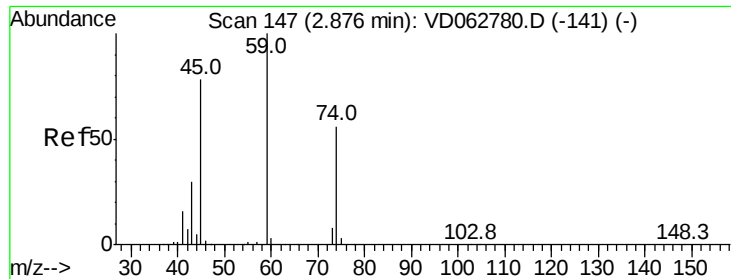
Tgt Ion: 101 Resp: 181

Ion Ratio Lower Upper

101 100

103 0.0 51.8 77.8#





#8

Diethyl Ether

Concen: 28.811 ug/l

RT: 2.92 min Scan# 152

Delta R.T. 0.05 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

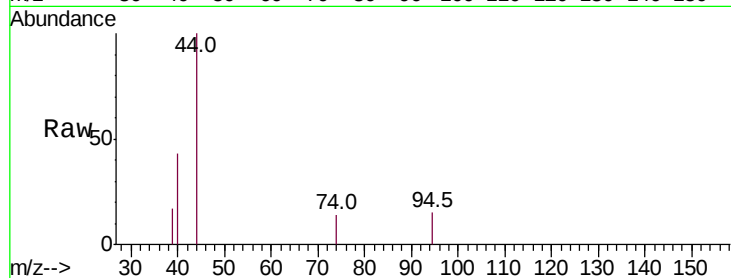
TP-3

Tot Ion: 74 Resp: 183

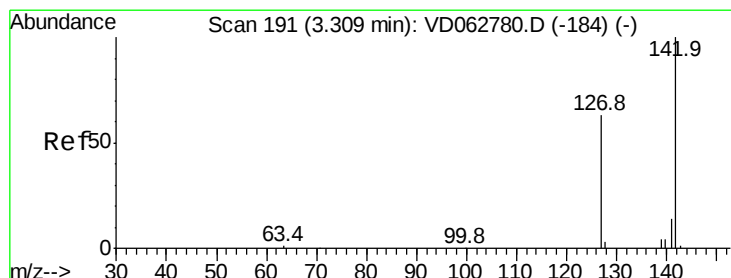
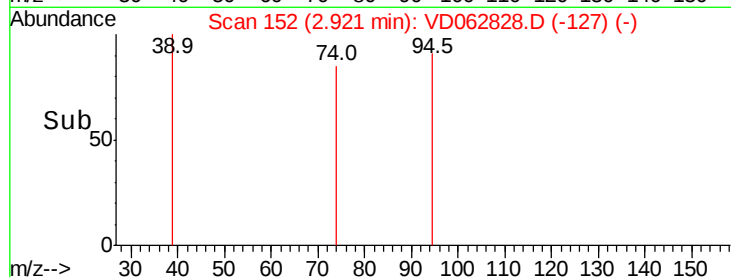
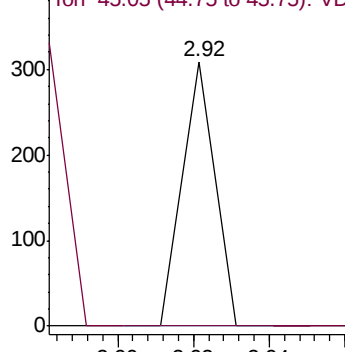
Ion Ratio Lower Upper

74 100

45 0.0 70.2 210.6#



Abundance Ion 74.00 (73.70 to 74.70): VDC



#10

Methyl Iodide

Concen: 5.430 ug/l

RT: 3.43 min Scan# 204

Delta R.T. 0.12 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

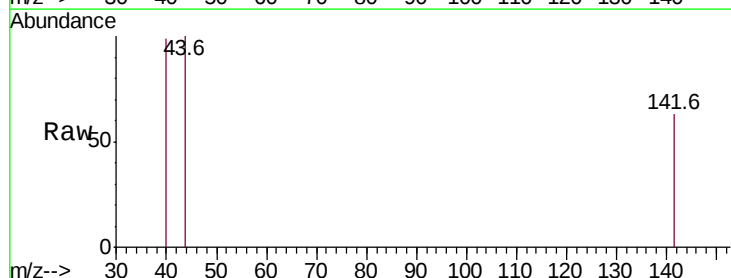
Tgt Ion: 142 Resp: 194

Ion Ratio Lower Upper

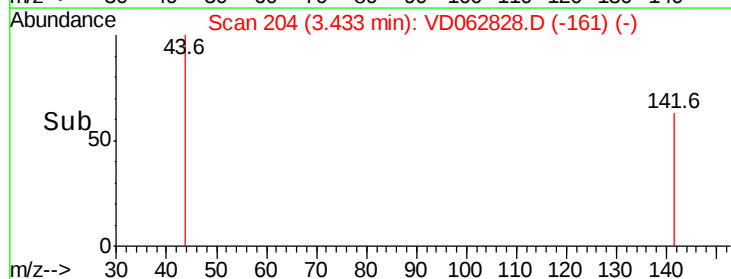
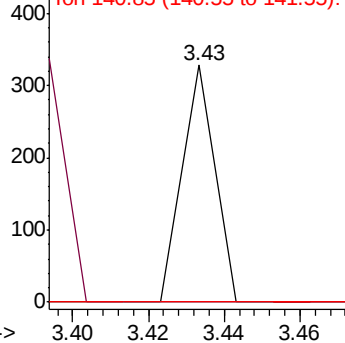
142 100

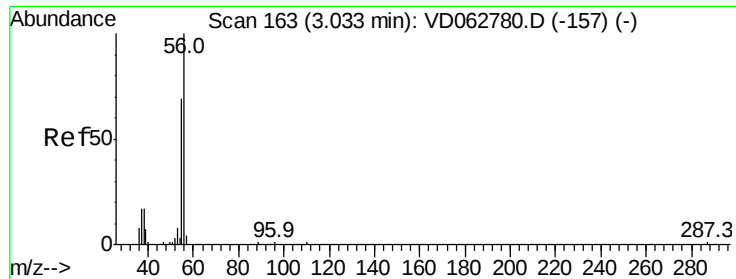
127 0.0 50.1 75.1#

141 0.0 11.0 16.4#



Abundance Ion 141.85 (141.55 to 142.55): V





#13

Acrolein

Concen: 389.541 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.15 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

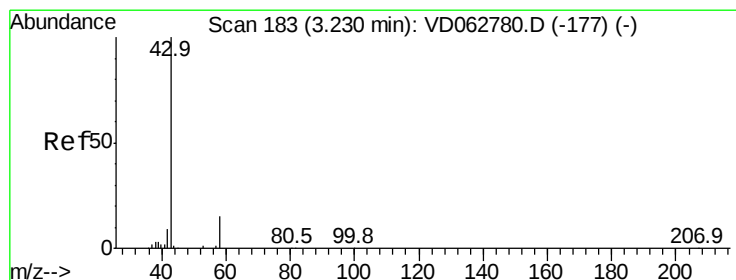
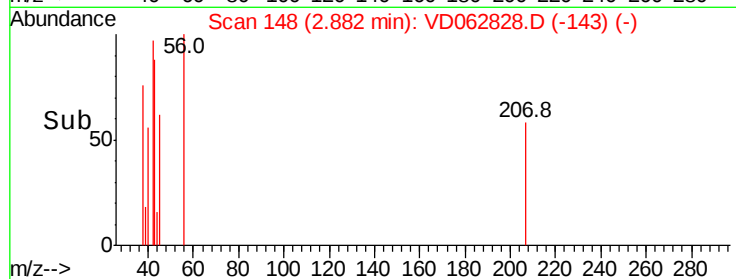
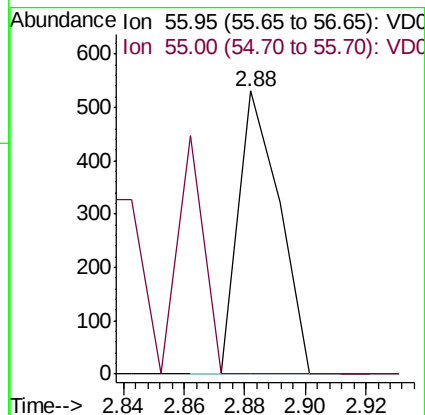
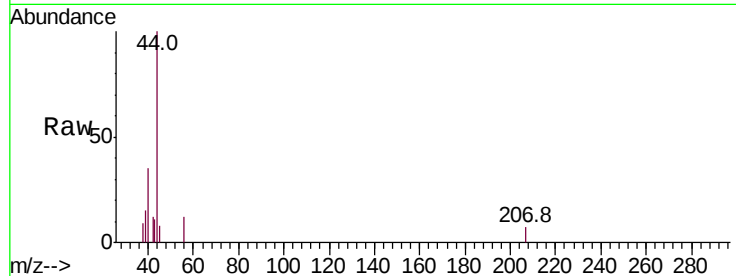
TP-3

Tot Ion: 56 Resp: 504

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: 375.292 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062828.D

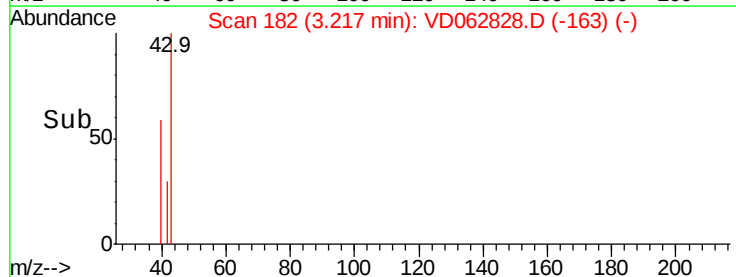
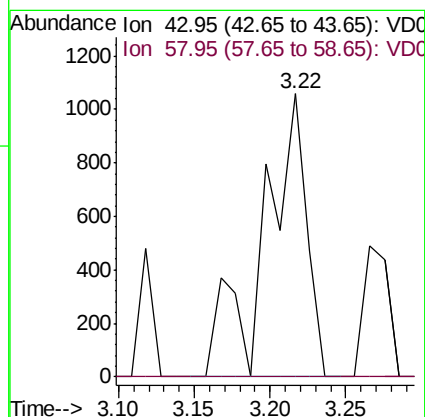
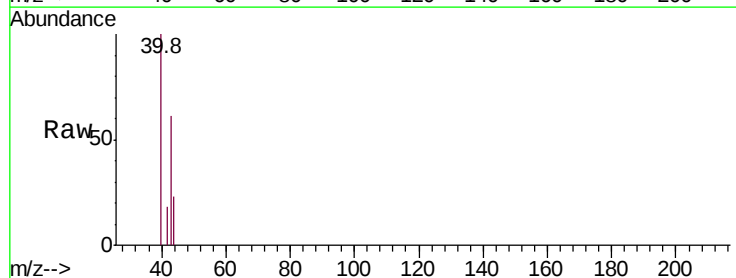
Acq: 21 Jun 2019 20:37

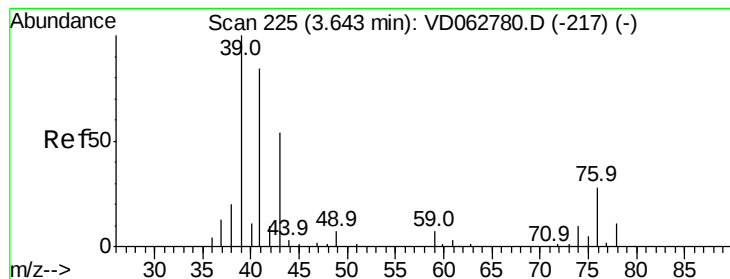
Tgt Ion: 43 Resp: 2098

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#





#18

Methvl Acetate

Concen: 24.285 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.05 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

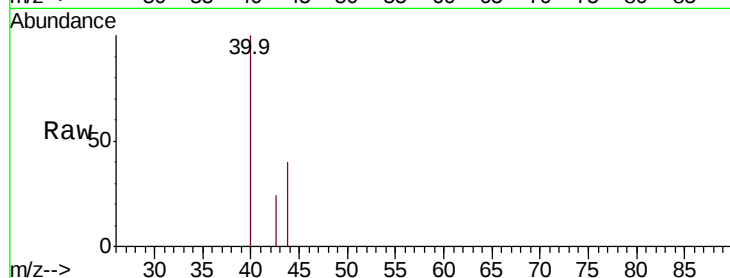
TP-3

Tot Ion: 43 Resp: 204

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.59

300

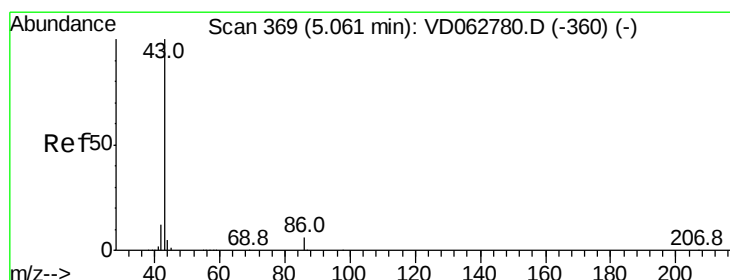
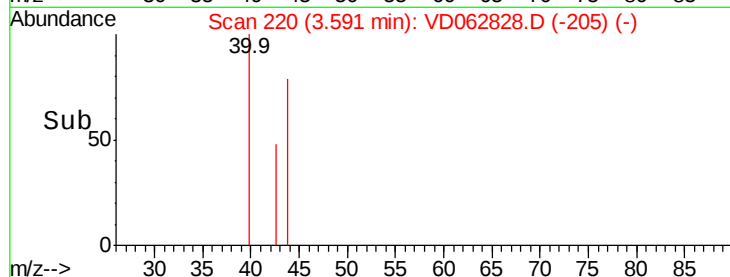
200

100

0

Time-->

3.56 3.58 3.60 3.62



#23

Vinyl Acetate

Concen: 7.670 ug/l

RT: 5.21 min Scan# 384

Delta R.T. 0.14 min

Lab File: VD062828.D

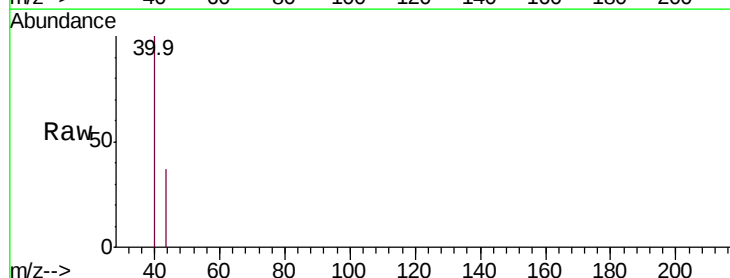
Acq: 21 Jun 2019 20:37

Tgt Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

86 0.0 4.7 7.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.21

500

400

300

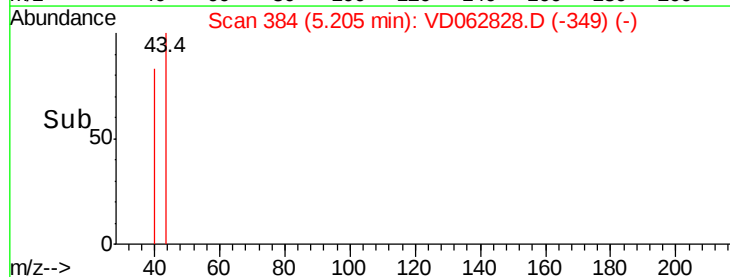
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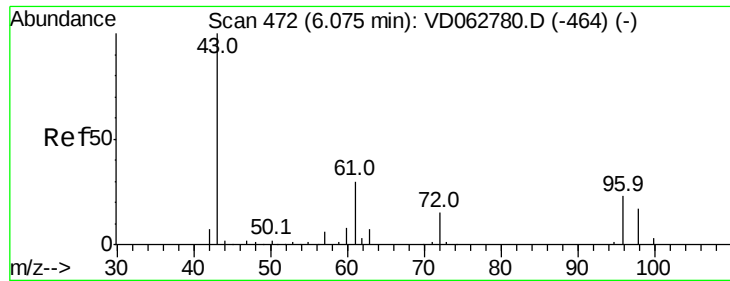
100

0

Time-->

5.18 5.20 5.22





#25

2-Butanone

Concen: 36.699 ug/l

RT: 5.97 min Scan# 462

Delta R.T. -0.10 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

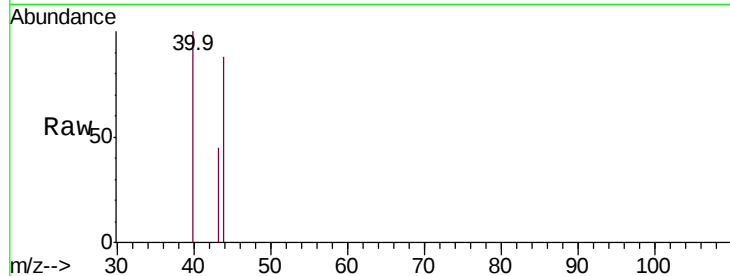
TP-3

Tot Ion: 43 Resp: 191

Ion Ratio Lower Upper

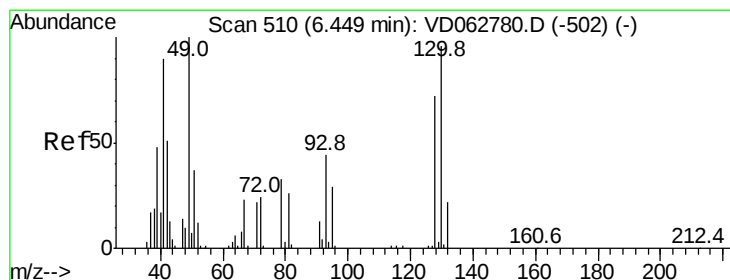
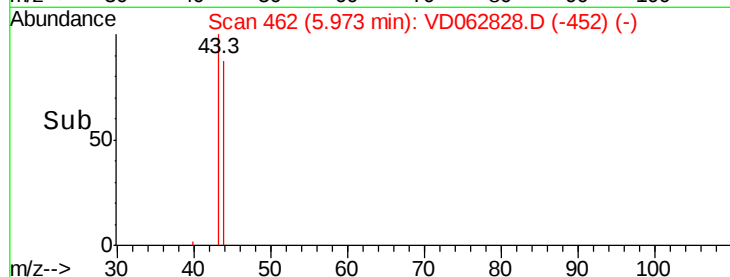
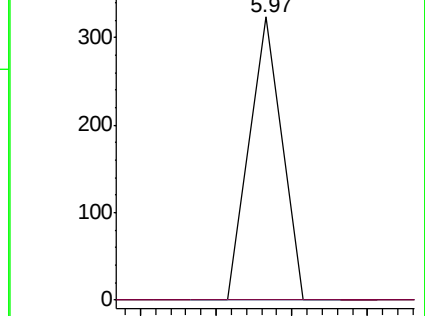
43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#28

Bromochloromethane

Concen: 12.857 ug/l

RT: 6.41 min Scan# 506

Delta R.T. -0.04 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

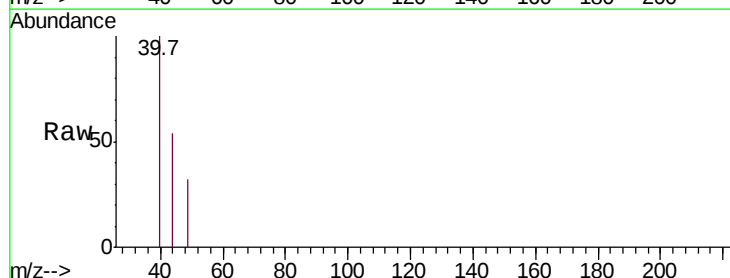
Tgt Ion: 49 Resp: 180

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

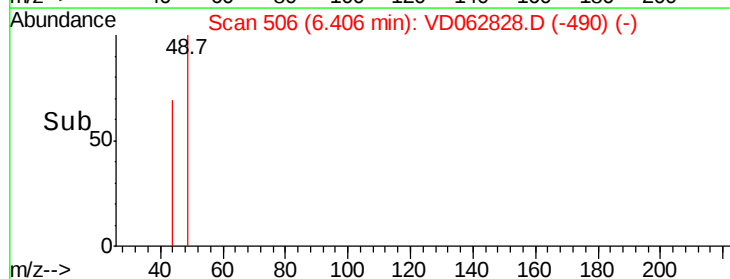
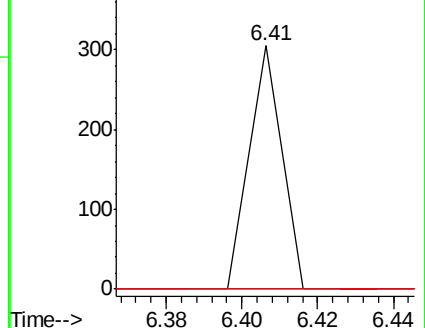
130 0.0 76.6 114.8#

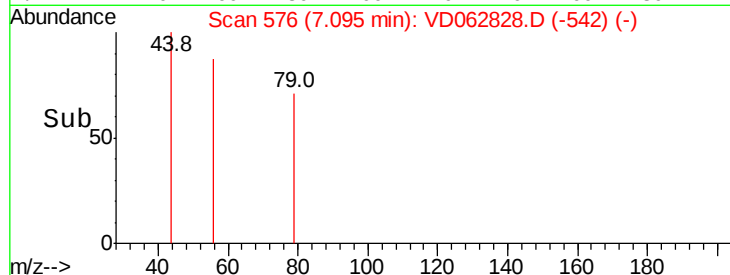
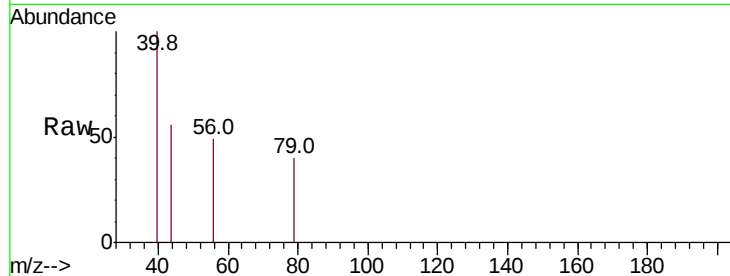
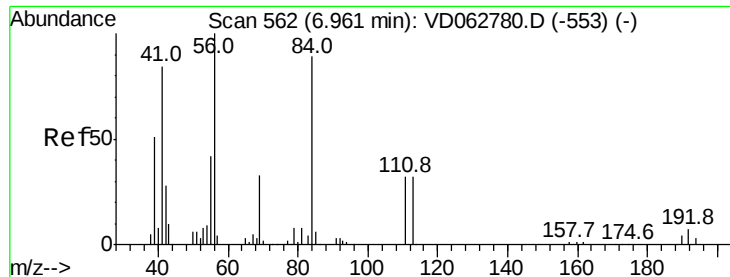


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

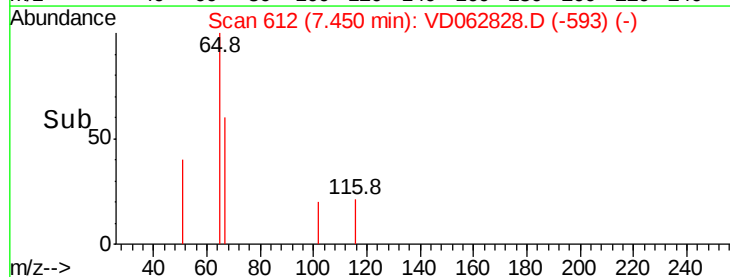
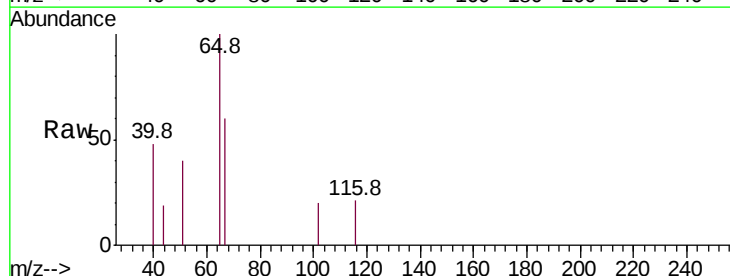
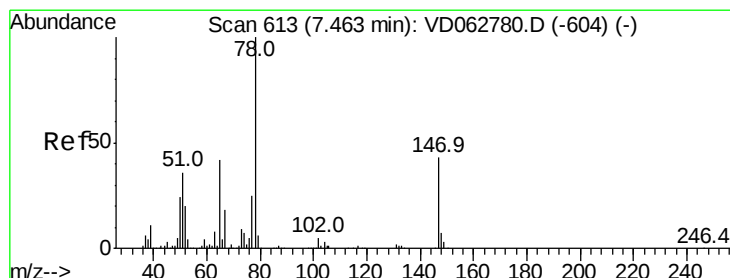
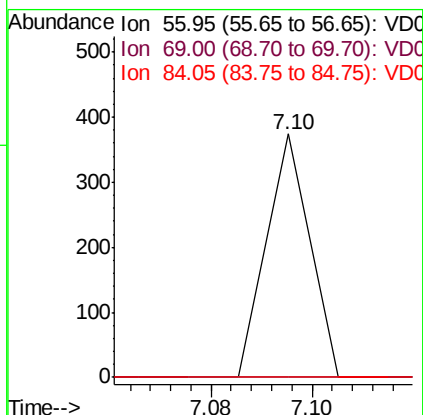




#31
Cyclohexane
Concen: 8.457 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.13 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

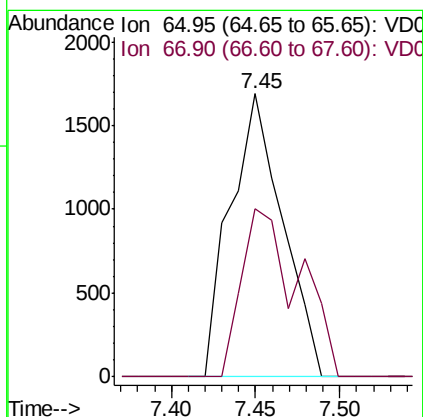
Instrument :
MSVOA_D
ClientSampleID :
TP-3

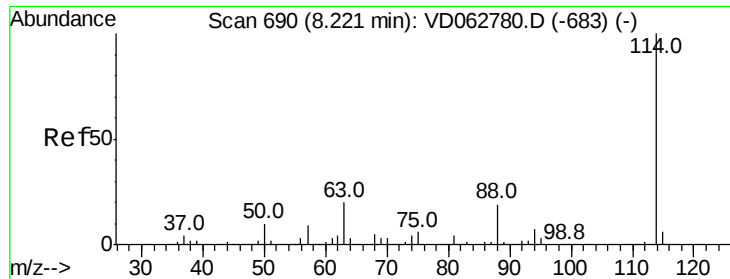
Tot Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
69 0.0 26.6 39.8#
84 0.0 75.5 113.3#



#33
1,2-Dichloroethane-d4
Concen: 130.450 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 65 Resp: 3630
Ion Ratio Lower Upper
65 100
67 59.6 0.0 87.4

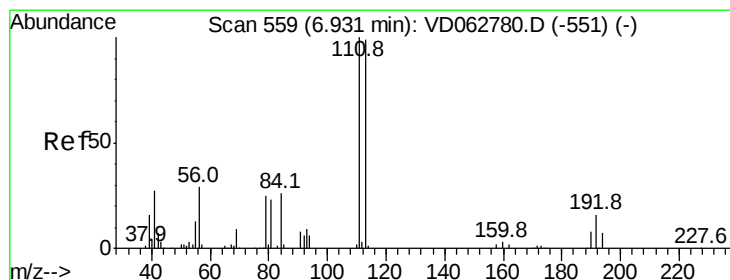
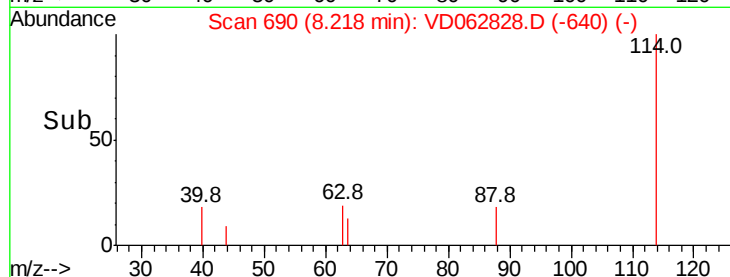
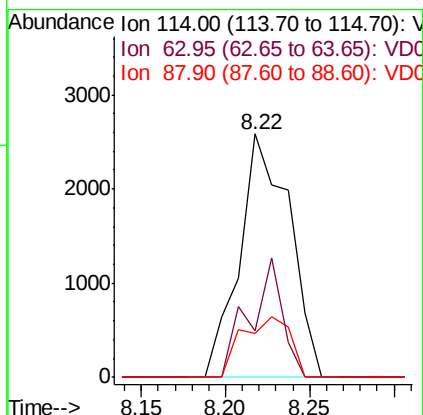
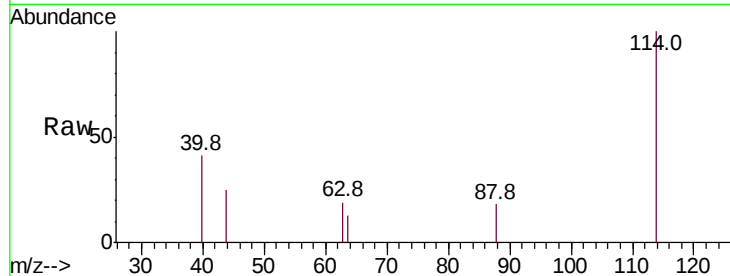




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062828.D
 Acq: 21 Jun 2019 20:37

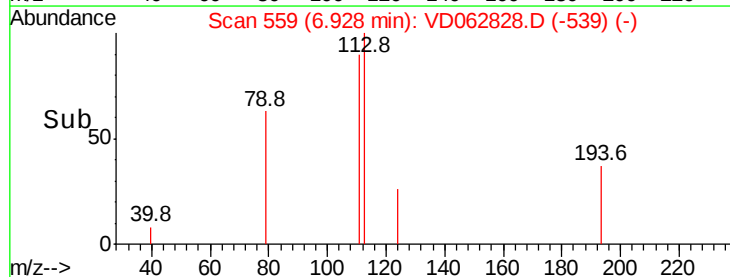
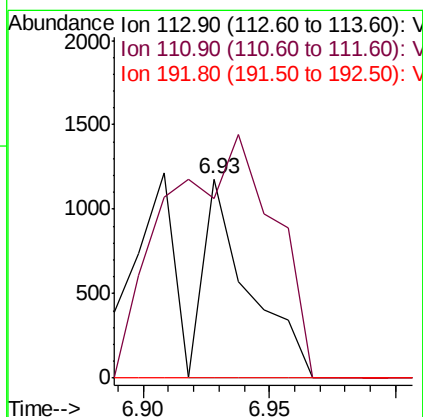
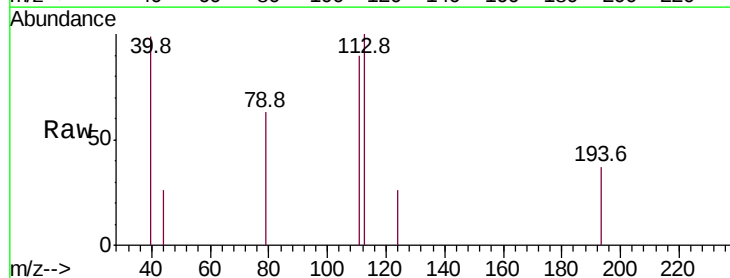
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

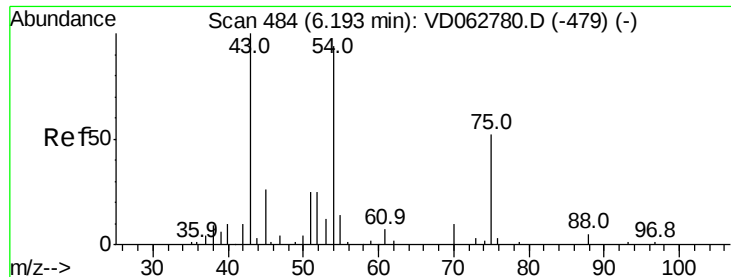
Tot Ion:114 Resp: 5307
 Ion Ratio Lower Upper
 114 100
 63 31.9 0.0 40.0
 88 17.9 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 33.029 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062828.D
 Acq: 21 Jun 2019 20:37

Tgt Ion:113 Resp: 1478
 Ion Ratio Lower Upper
 113 100
 111 90.3 81.2 121.8
 192 0.0 12.9 19.3#





#37

Ethyl Acetate

Concen: 8.516 ug/l

RT: 6.24 min Scan# 489

Delta R.T. 0.05 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

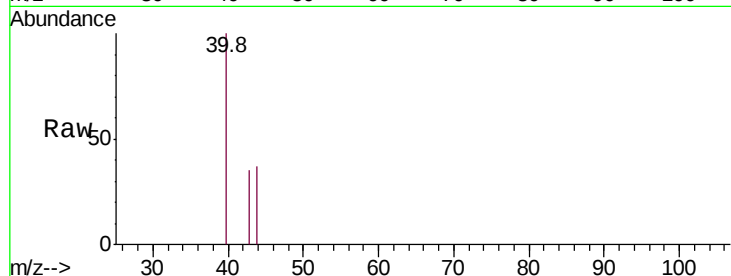
Tot Ion: 43 Resp: 199

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

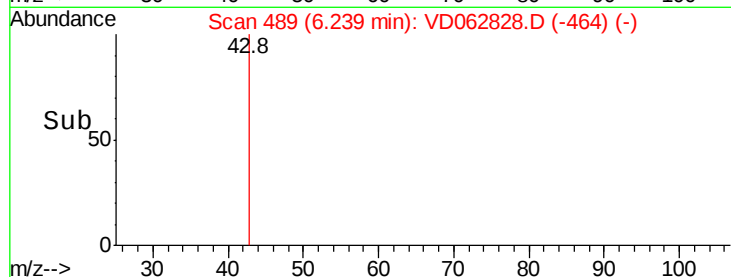
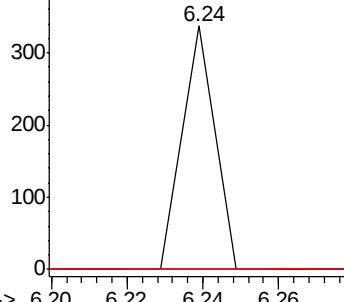
70 0.0 6.4 9.6#



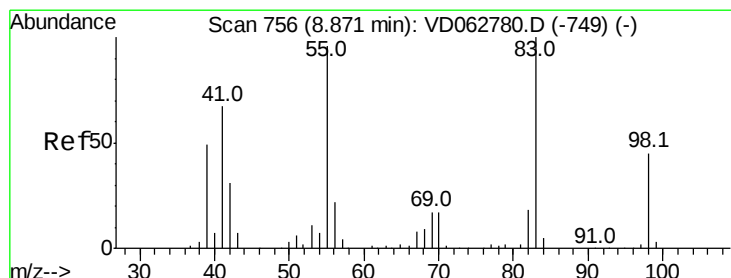
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time--> 6.20 6.22 6.24 6.26



#39

Methylcyclohexane

Concen: 4.477 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

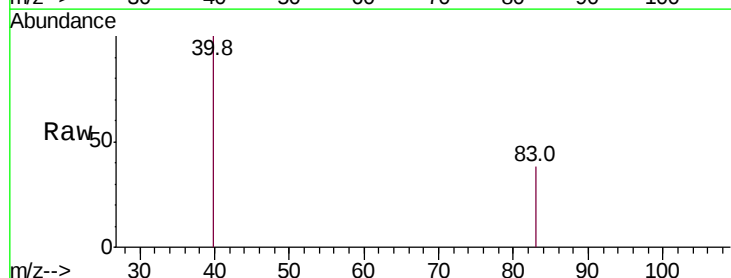
Tgt Ion: 83 Resp: 198

Ion Ratio Lower Upper

83 100

55 0.0 76.6 115.0#

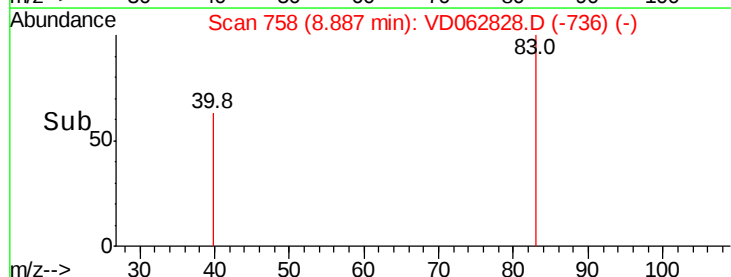
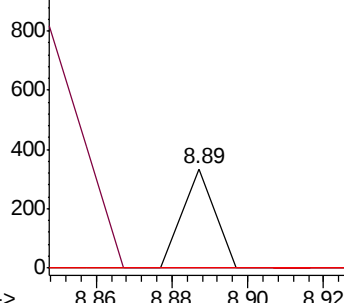
98 0.0 35.7 53.5#

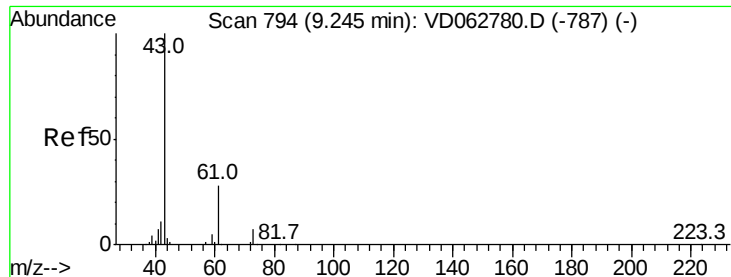


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#43

Isopropyl Acetate

Concen: 7.632 ug/l

RT: 9.30 min Scan# 800

Delta R.T. 0.06 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

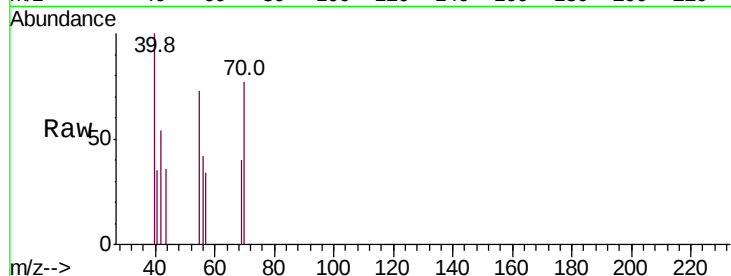
Tot Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

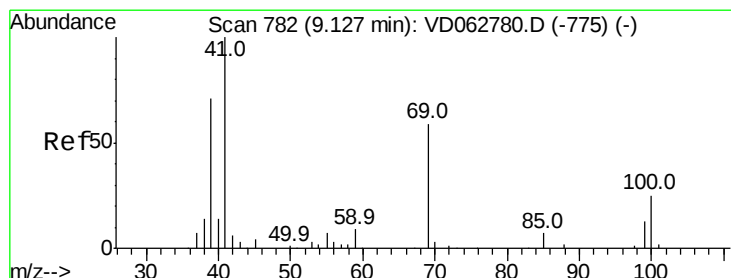
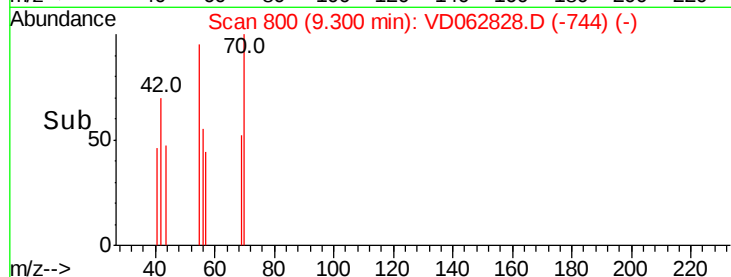
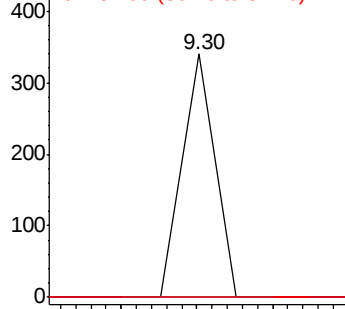
87 0.0 0.3 0.5#



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



#48

Methyl methacrylate

Concen: 87.195 ug/l

RT: 9.02 min Scan# 772

Delta R.T. -0.10 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

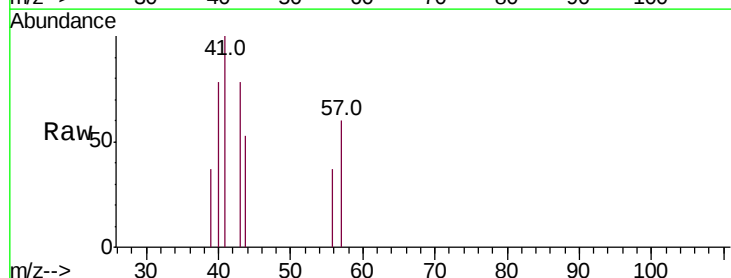
Tgt Ion: 41 Resp: 1632

Ion Ratio Lower Upper

41 100

69 0.0 47.2 70.8#

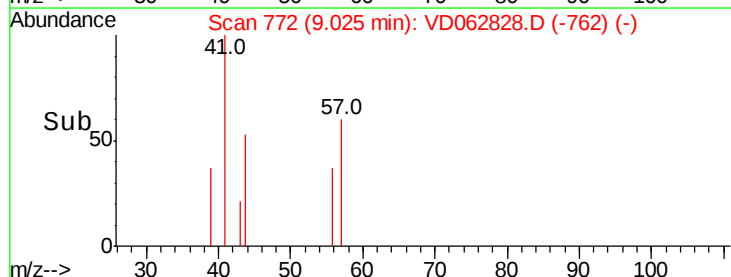
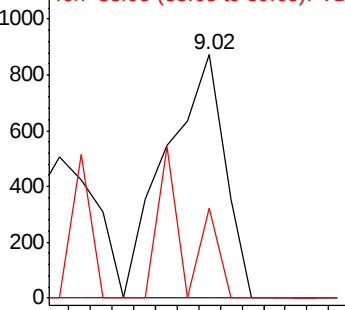
39 37.2 57.4 86.2#

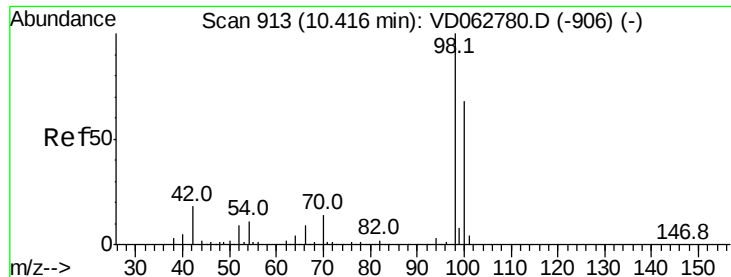


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

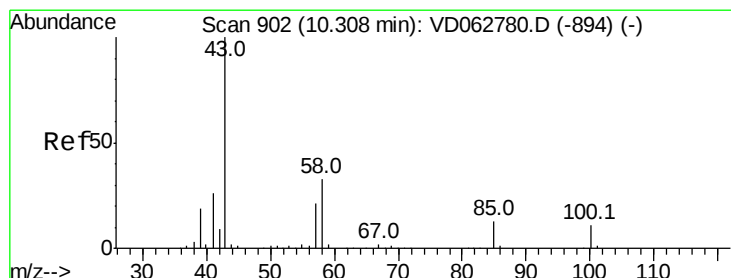
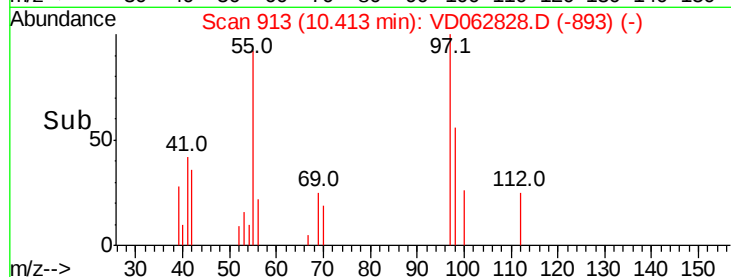
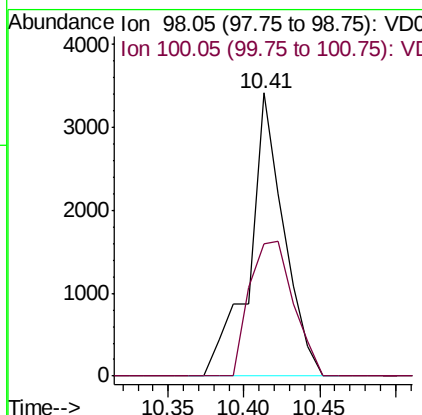
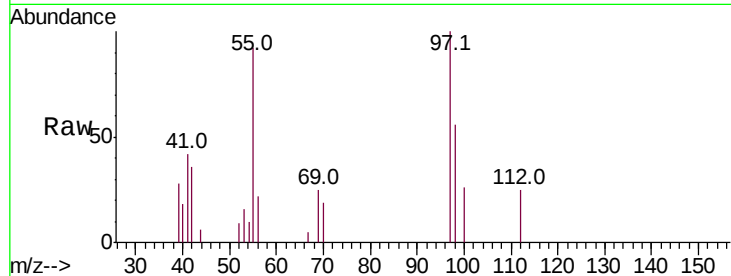




#50
Toluene-d8
Concen: 55.949 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

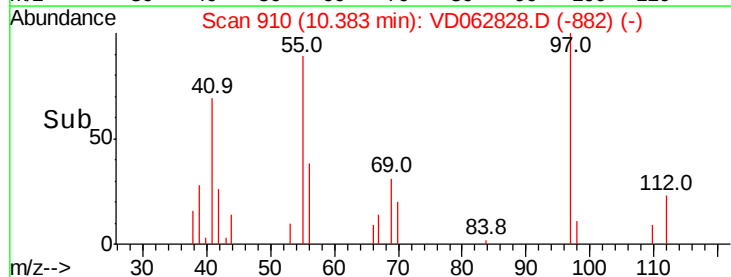
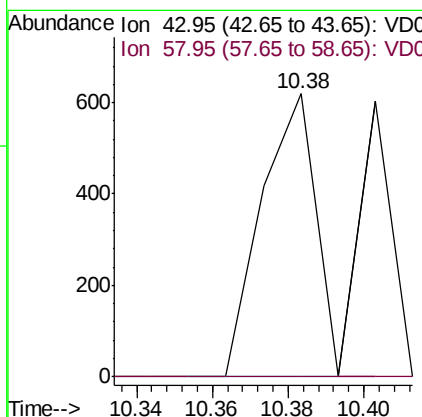
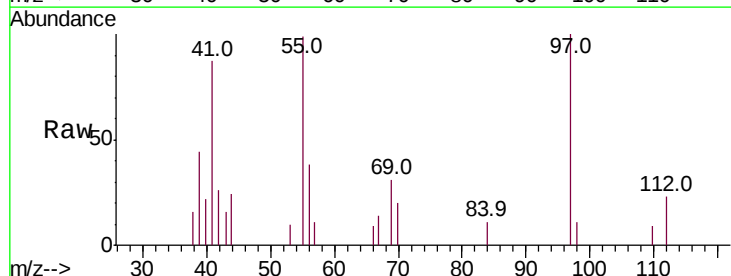
Instrument :
MSVOA_D
ClientSampleId :
TP-3

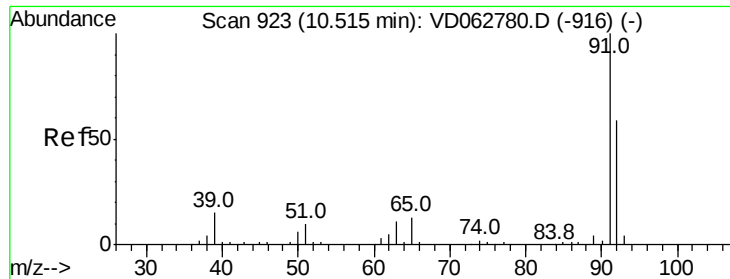
Tot Ion: 98 Resp: 5449
Ion Ratio Lower Upper
98 100
100 46.8 54.7 82.1#



#51
4-Methyl-2-Pentanone
Concen: 32.773 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.08 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 0.0 26.6 40.0#





#52

Toluene

Concen: 3.009 ug/l

RT: 10.65 min Scan# 937

Delta R.T. 0.13 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

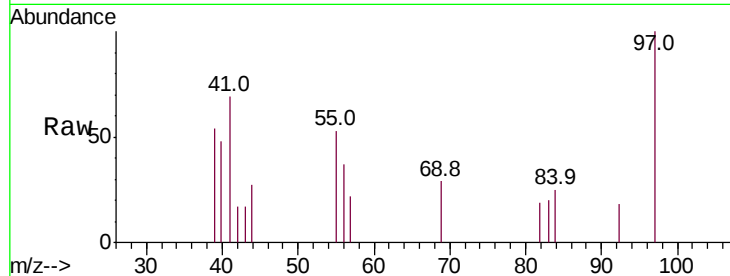
TP-3

Tot Ion: 92 Resp: 204

Ion Ratio Lower Upper

92 100

91 0.0 136.3 204.5#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.65

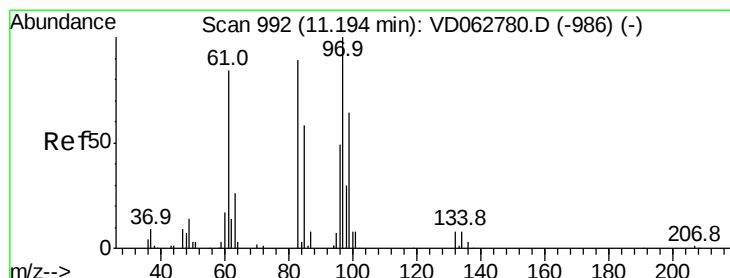
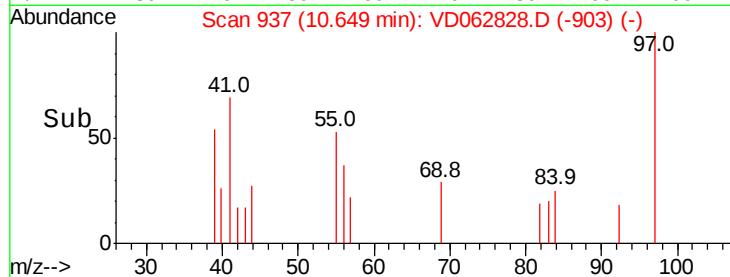
300

200

100

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 9.404 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. 0.08 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Tgt Ion: 97 Resp: 219

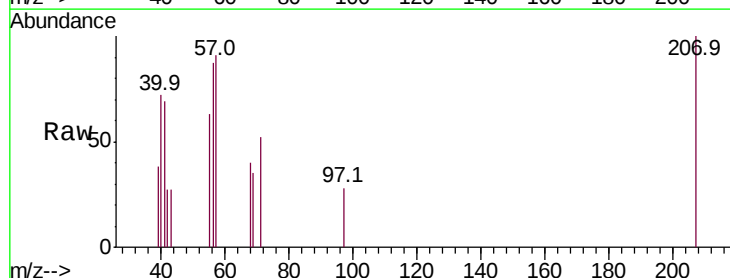
Ion Ratio Lower Upper

97 100

83 0.0 71.0 106.4#

85 0.0 46.6 69.8#

99 0.0 51.4 77.0#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

500

400

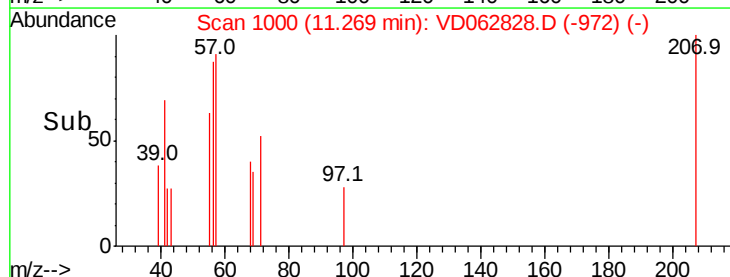
300

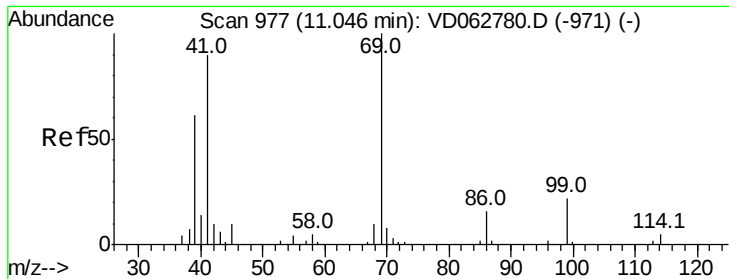
200

100

0

Time-->





#56

Ethyl methacrylate

Concen: 50.022 ug/l

RT: 11.09 min Scan# 982

Delta R.T. 0.05 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :
MSVOA_D
ClientSampled :
TP-3

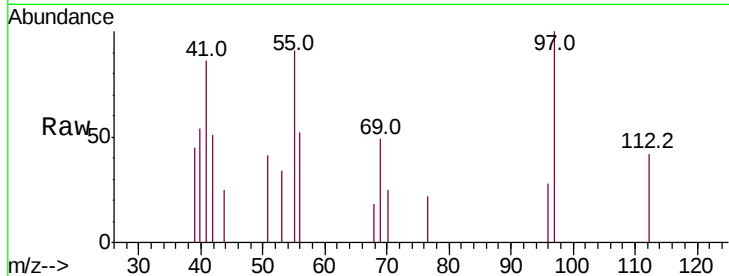
Tot Ion: 69 Resp: 1245

Ion Ratio Lower Upper

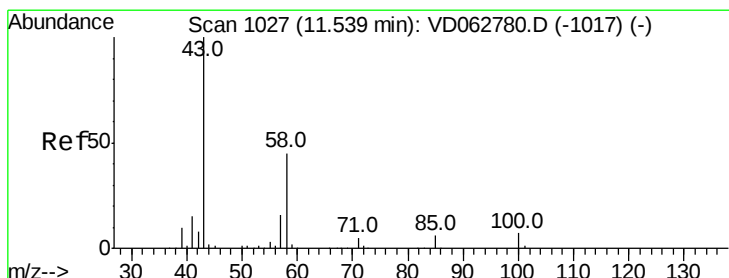
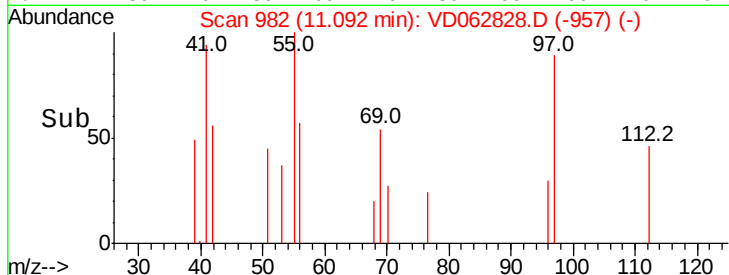
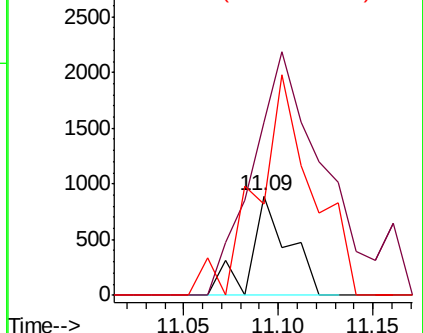
69 100

41 174.4 72.0 108.0#

39 92.0 49.5 74.3#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 2768.218 ug/l

RT: 11.50 min Scan# 1023

Delta R.T. -0.04 min

Lab File: VD062828.D

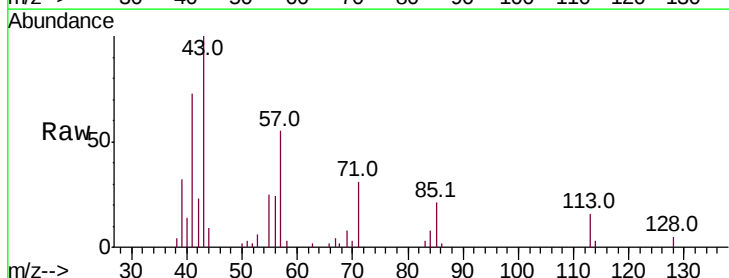
Acq: 21 Jun 2019 20:37

Tgt Ion: 43 Resp: 36815

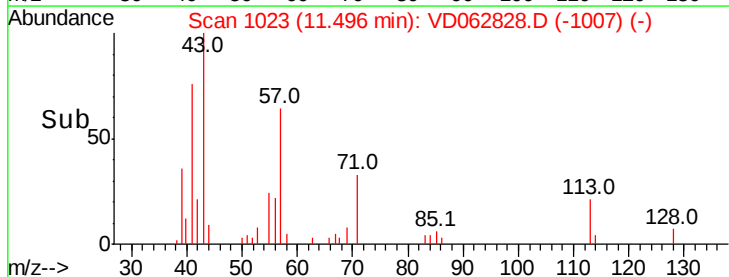
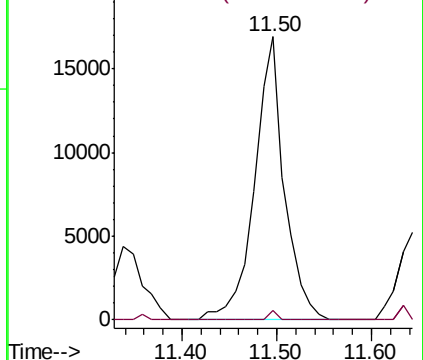
Ion Ratio Lower Upper

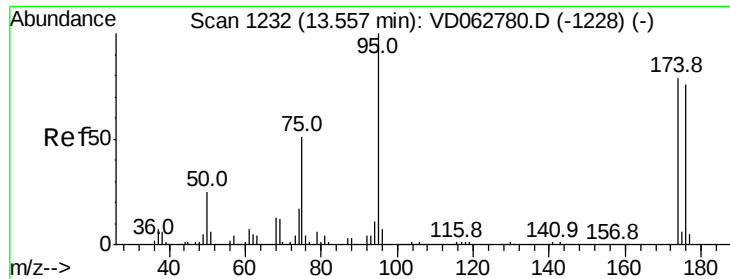
43 100

58 3.5 22.4 67.2#



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

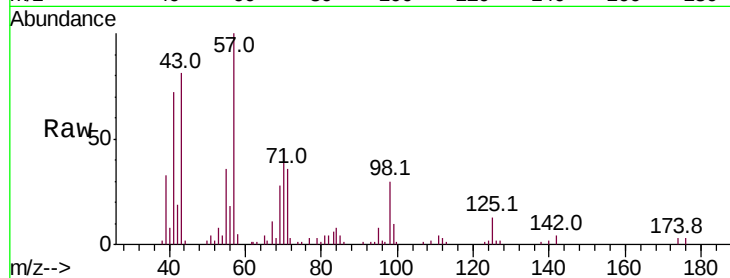




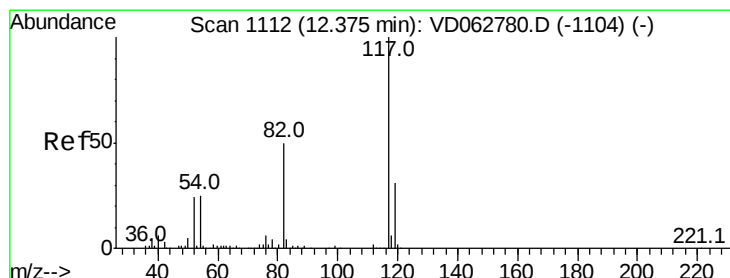
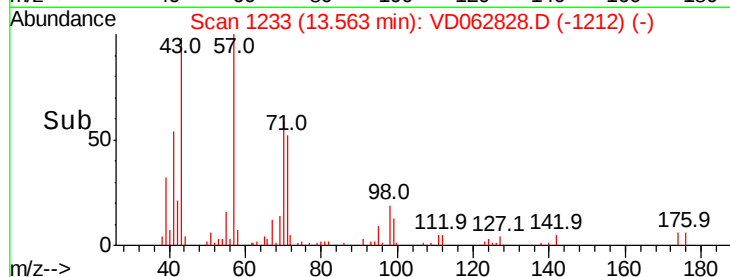
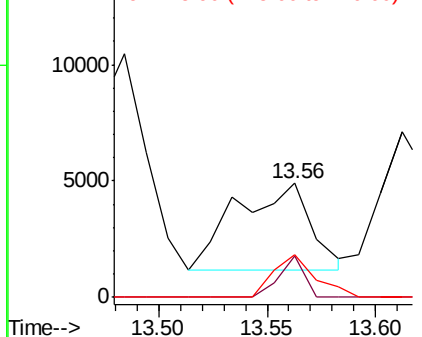
#62
4-Bromofluorobenzene
Concen: 204.244 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tot Ion: 95 Resp: 9045
Ion Ratio Lower Upper
95 100
174 36.4 0.0 158.0
176 37.9 0.0 151.6

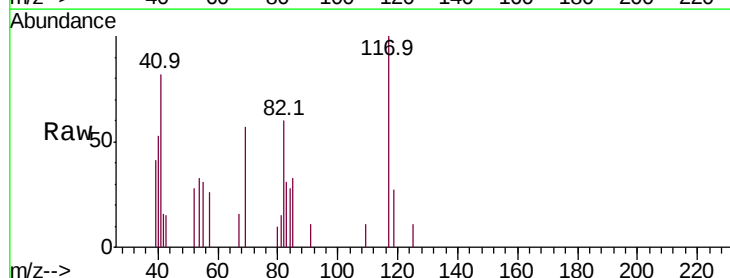


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

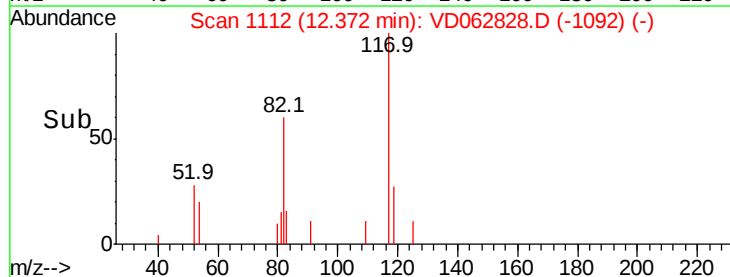
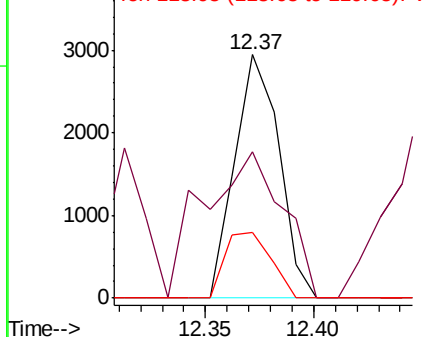


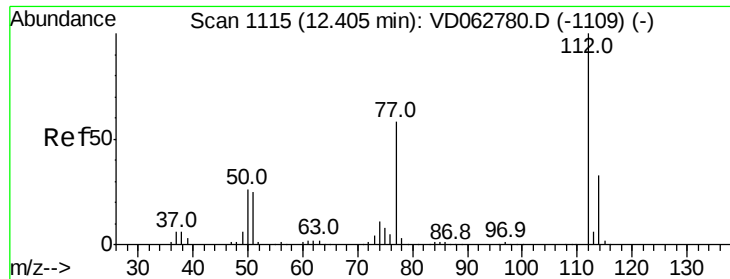
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 117 Resp: 4192
Ion Ratio Lower Upper
117 100
82 59.8 40.4 60.6
119 26.9 25.2 37.8



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

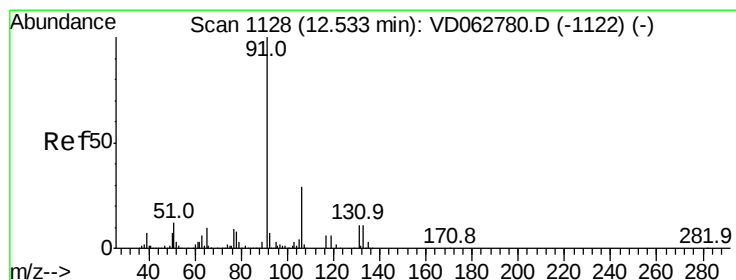
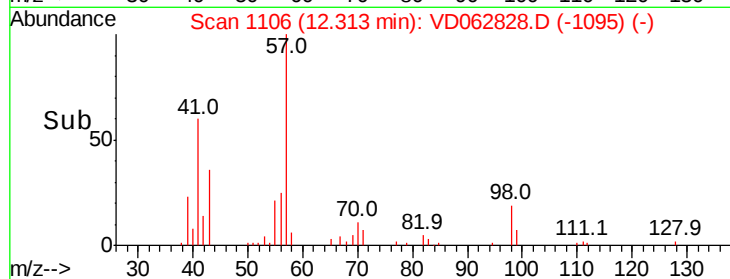
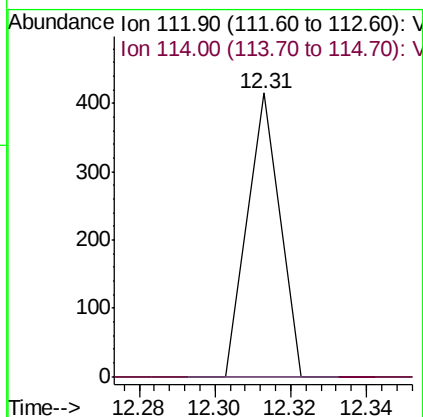
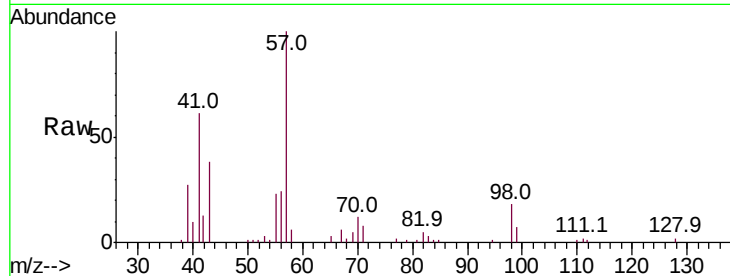




#65
Chlorobenzene
Concen: 3.149 ug/l
RT: 12.31 min Scan# 1106
Delta R.T. -0.09 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

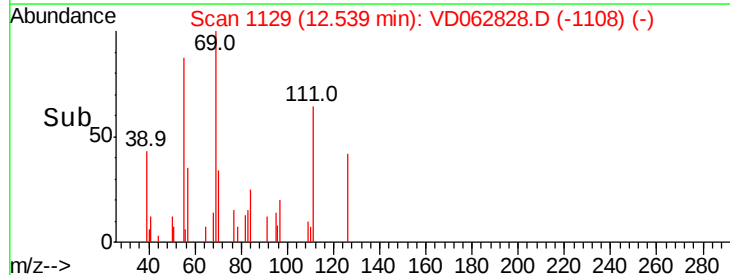
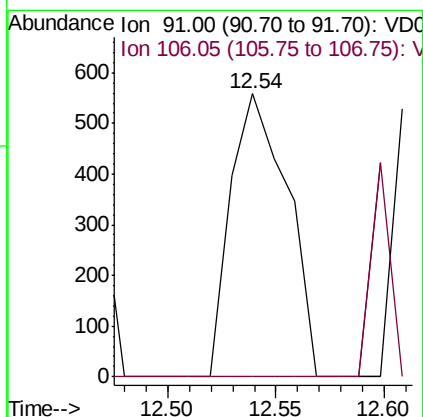
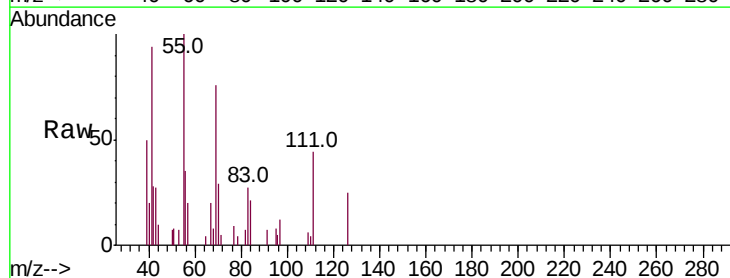
Instrument :
MSVOA_D
ClientSampleId :
TP-3

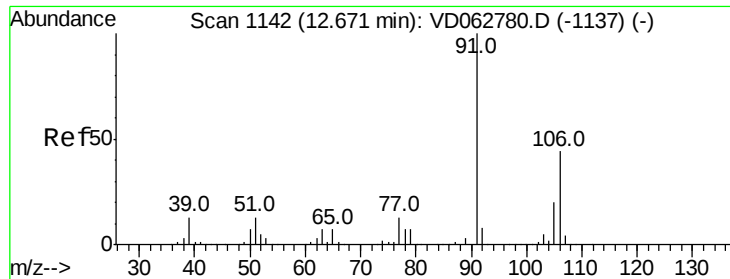
Tot Ion:112 Resp: 245
Ion Ratio Lower Upper
112 100
114 0.0 26.3 39.5#



#67
Ethyl Benzene
Concen: 7.324 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 91 Resp: 1023
Ion Ratio Lower Upper
91 100
106 0.0 23.1 34.7#

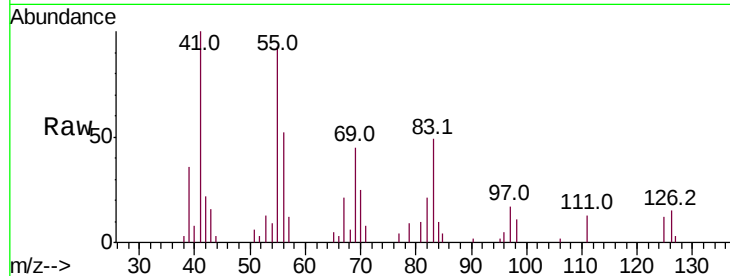




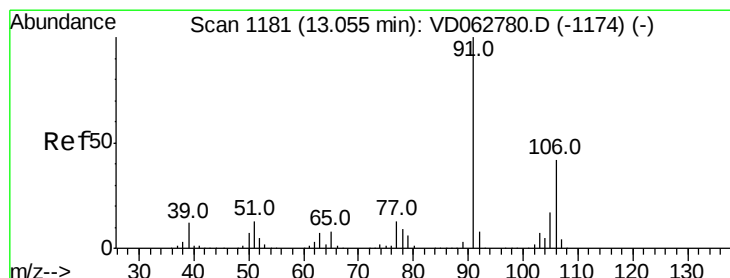
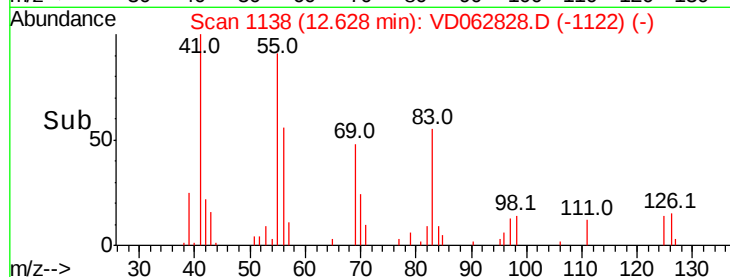
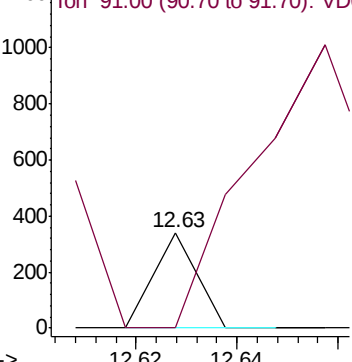
#68
m/p-Xylenes
Concen: 4.132 ug/l
RT: 12.63 min Scan# 1138
Delta R.T. -0.04 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tot Ion:106 Resp: 201
Ion Ratio Lower Upper
106 100
91 0.0 183.0 274.6#

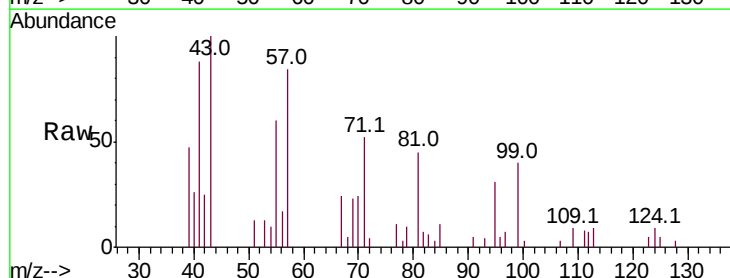


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

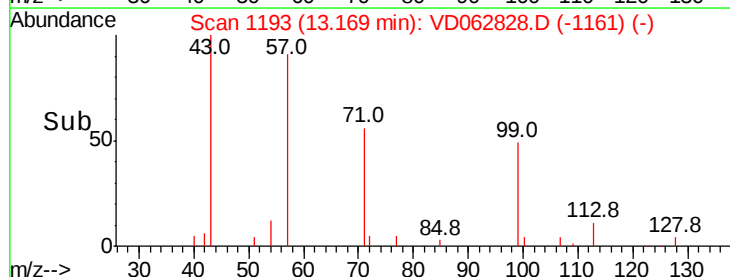
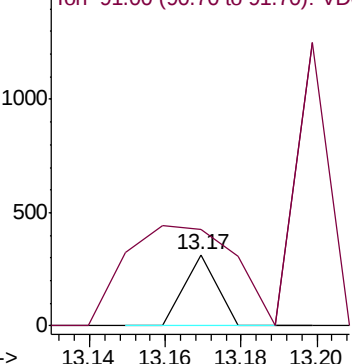


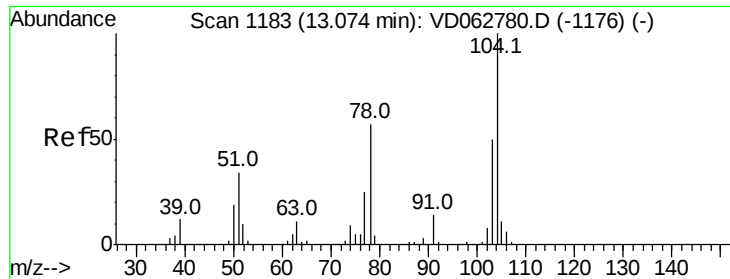
#69
o-Xylene
Concen: 4.160 ug/l
RT: 13.17 min Scan# 1193
Delta R.T. 0.11 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion:106 Resp: 185
Ion Ratio Lower Upper
106 100
91 135.8 117.9 353.6



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

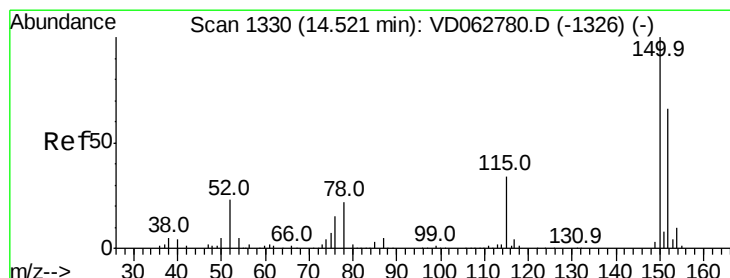
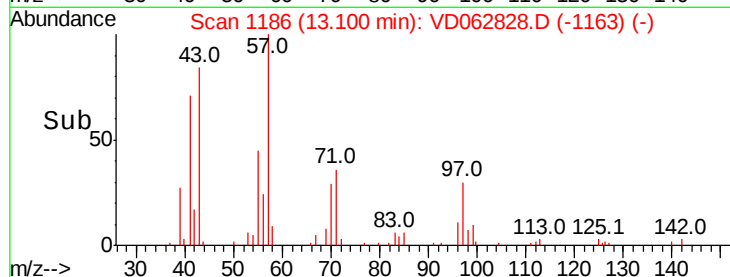
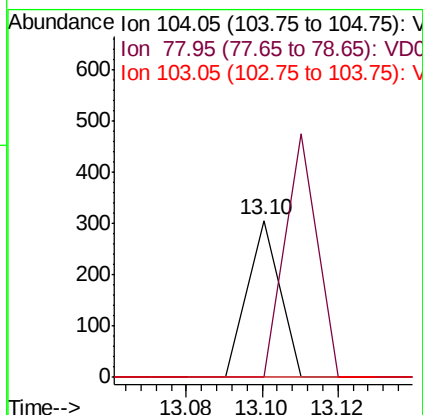
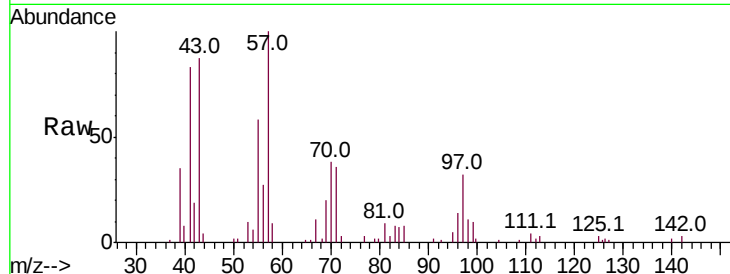




#70
Stvrene
Concen: 2.317 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.03 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

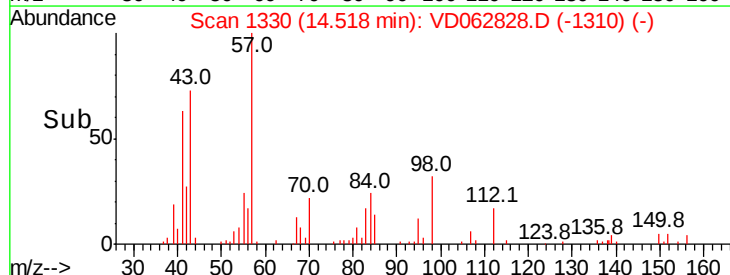
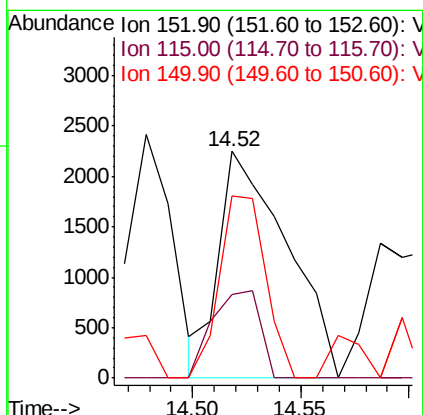
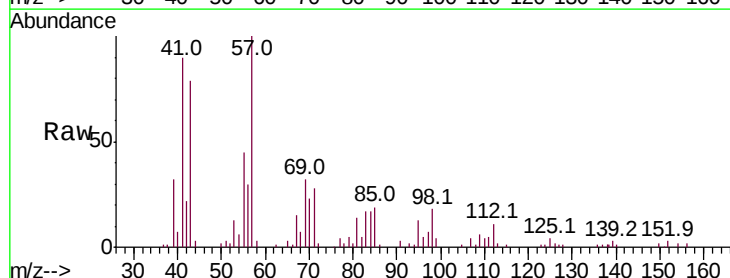
Instrument :
MSVOA_D
ClientSampleId :
TP-3

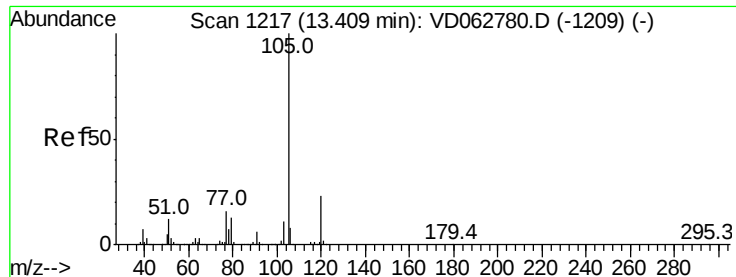
Tot Ion:104 Resp: 181
Ion Ratio Lower Upper
104 100
78 0.0 45.4 68.2#
103 0.0 39.7 59.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion:152 Resp: 4939
Ion Ratio Lower Upper
152 100
115 36.6 29.2 87.6
150 80.6 0.0 305.8





#73

Isopropylbenzene

Concen: 16.490 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

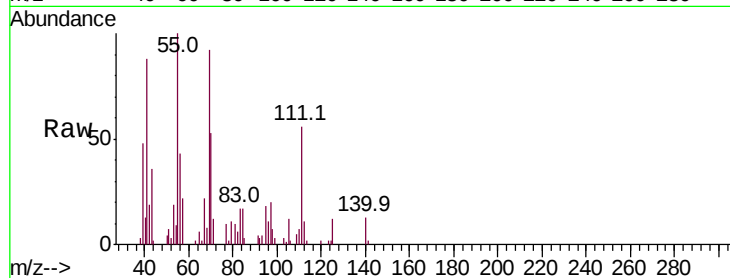
TP-3

Tot Ion:105 Resp: 5222

Ion Ratio Lower Upper

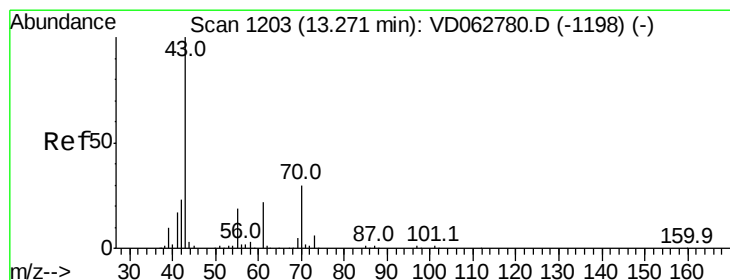
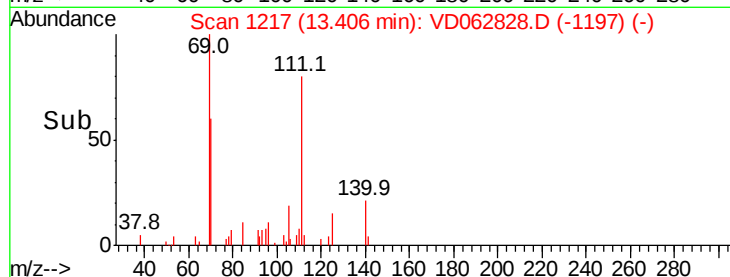
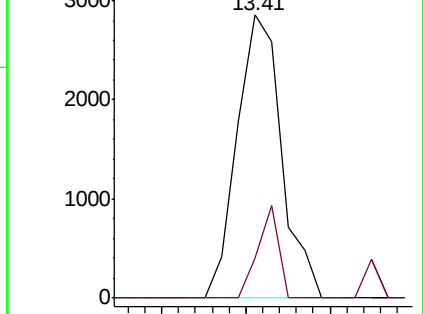
105 100

120 14.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 1770.369 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.04 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Tgt Ion: 43 Resp: 136150

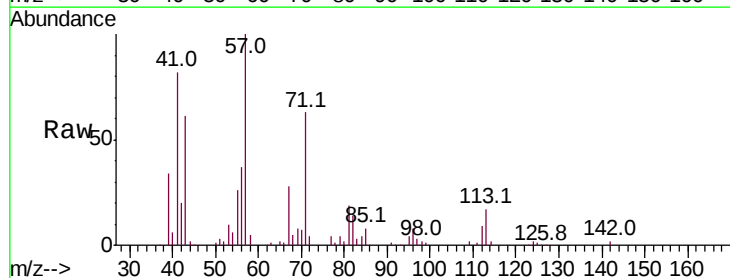
Ion Ratio Lower Upper

43 100

70 11.6 24.4 36.6#

55 42.5 15.2 22.8#

61 0.0 17.4 26.2#

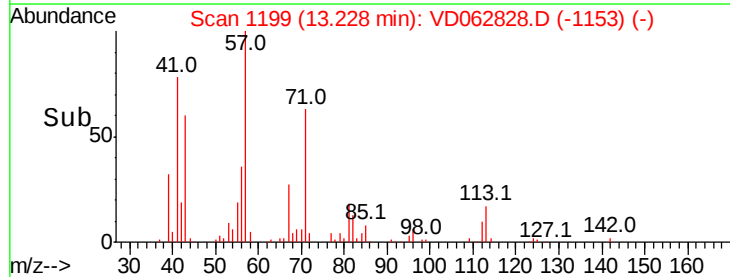
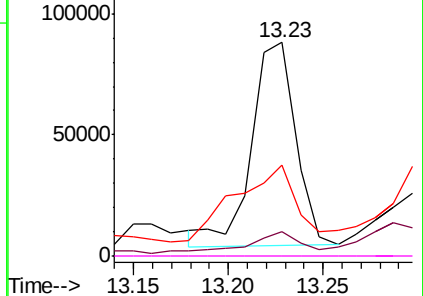


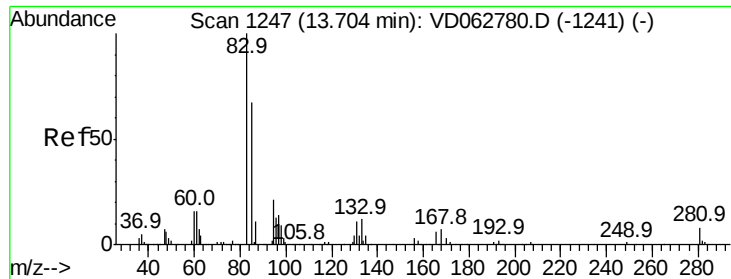
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 828.739 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

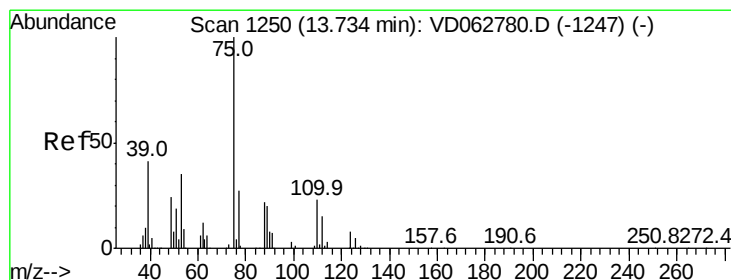
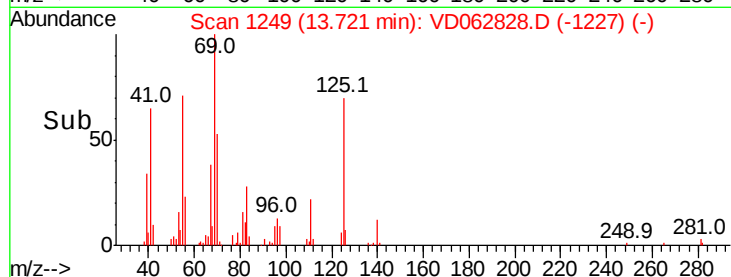
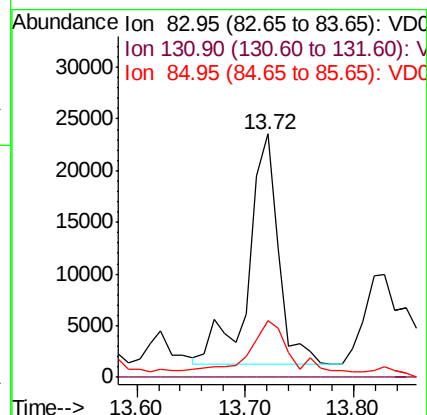
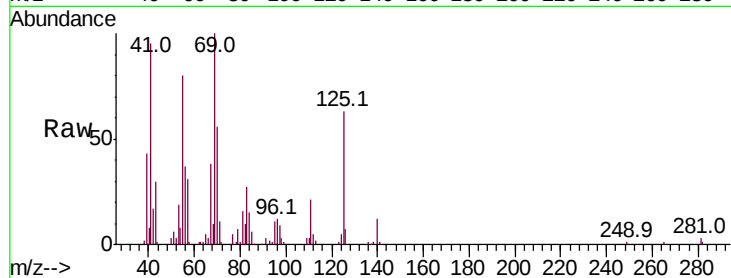
Tot Ion: 83 Resp: 42761

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 23.5 33.7 101.1#



#76

1,2,3-Trichloropropane

Concen: 3.157 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.11 min

Lab File: VD062828.D

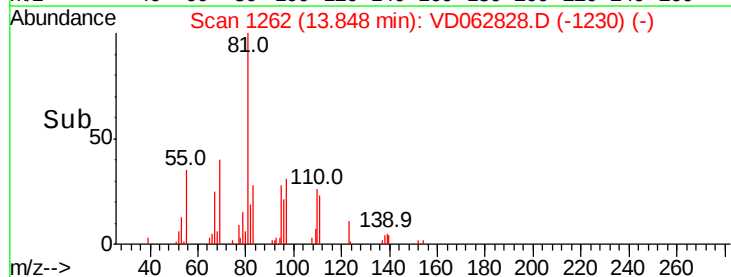
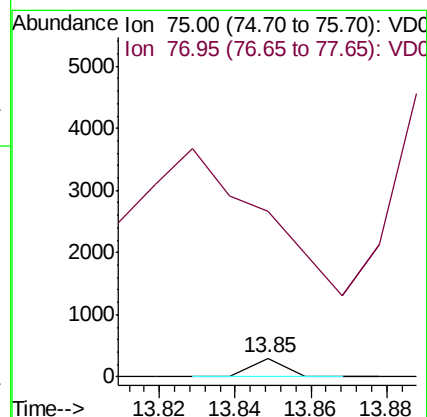
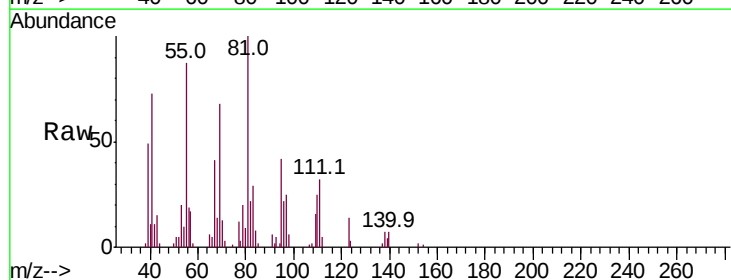
Acq: 21 Jun 2019 20:37

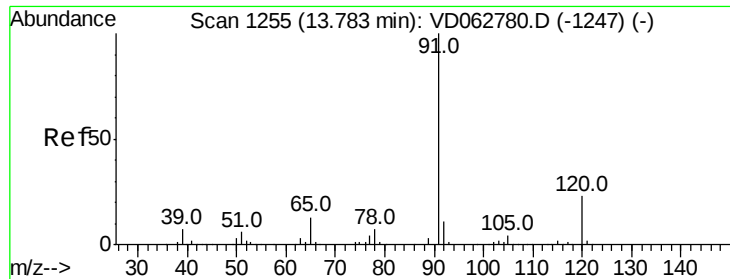
Tgt Ion: 75 Resp: 180

Ion Ratio Lower Upper

75 100

77 1071.5 15.0 45.1#





#78

n-propylbenzene

Concen: 21.767 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

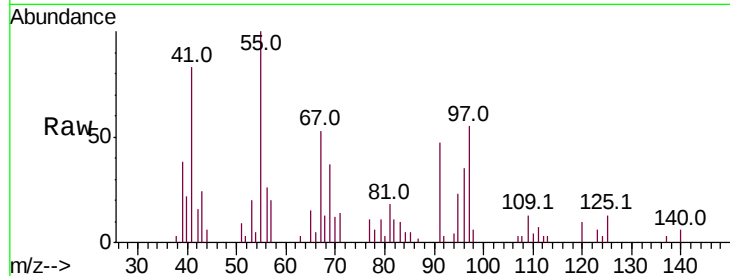
TP-3

Tot Ion: 91 Resp: 8023

Ion Ratio Lower Upper

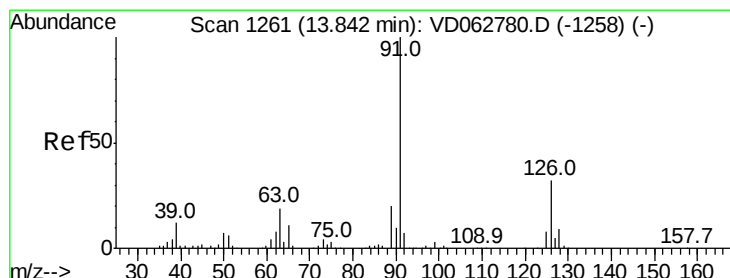
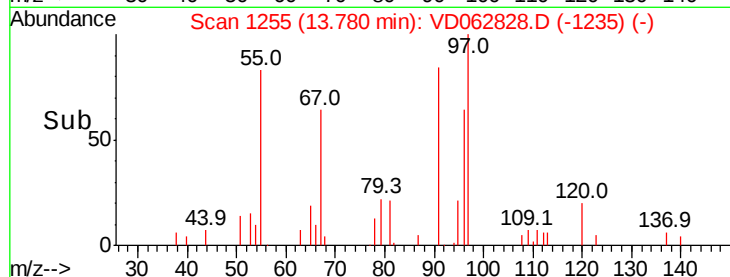
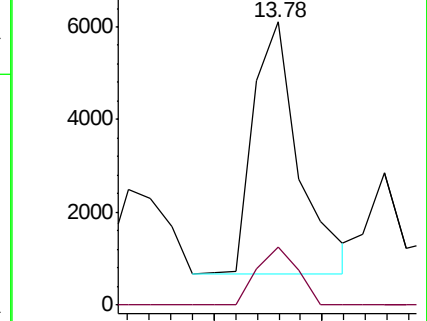
91 100

120 20.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 19.051 ug/l

RT: 13.90 min Scan# 1267

Delta R.T. 0.06 min

Lab File: VD062828.D

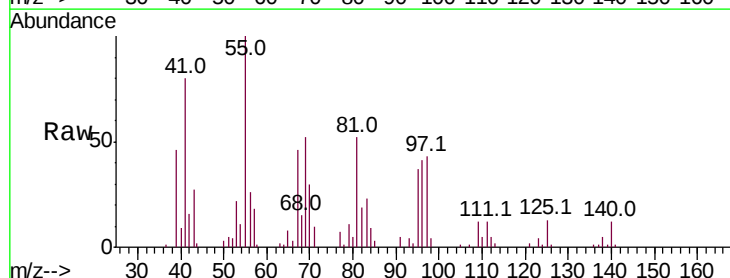
Acq: 21 Jun 2019 20:37

Tgt Ion: 91 Resp: 4013

Ion Ratio Lower Upper

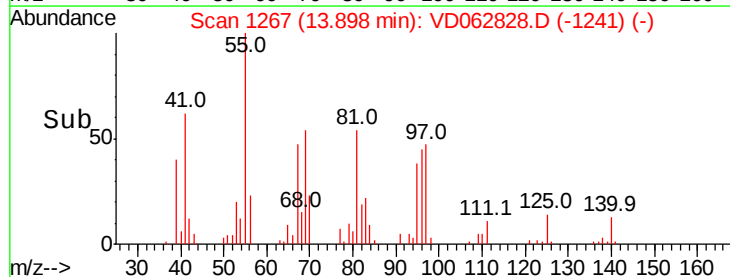
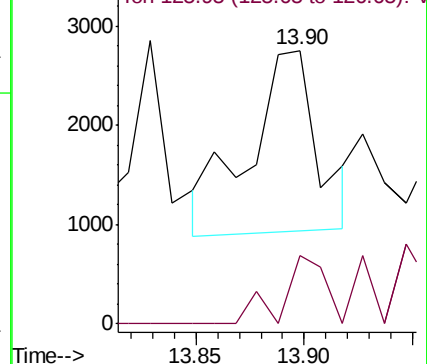
91 100

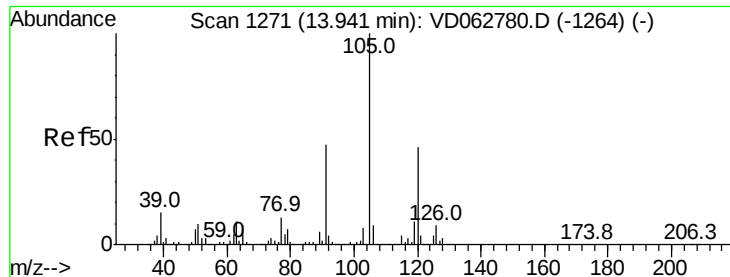
126 24.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 2.492 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

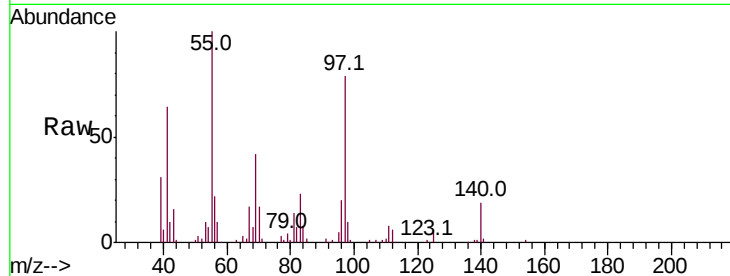
TP-3

Tot Ion:105 Resp: 663

Ion Ratio Lower Upper

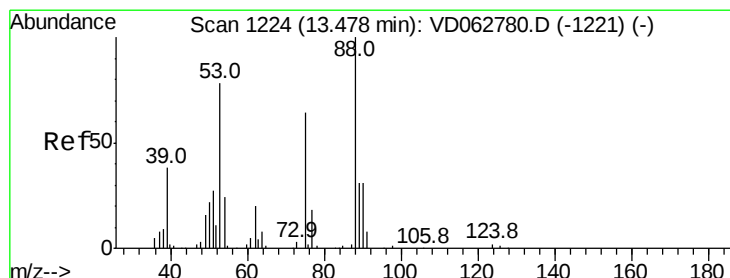
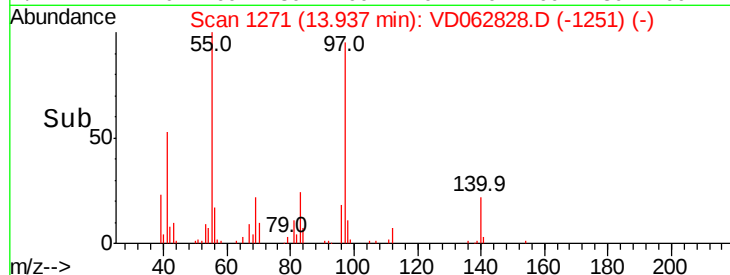
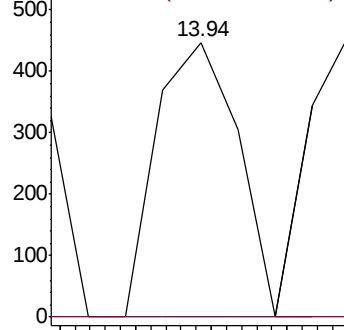
105 100

120 0.0 23.1 69.2#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 58.086 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

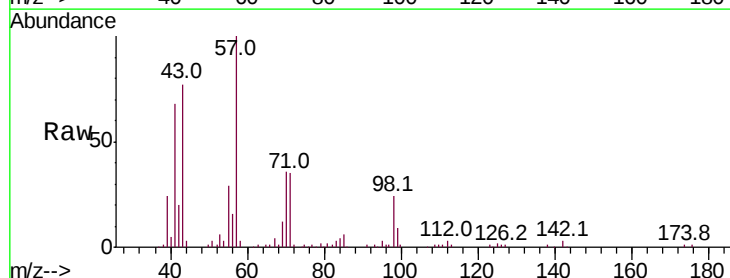
Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

53 924.0 97.8 146.8#

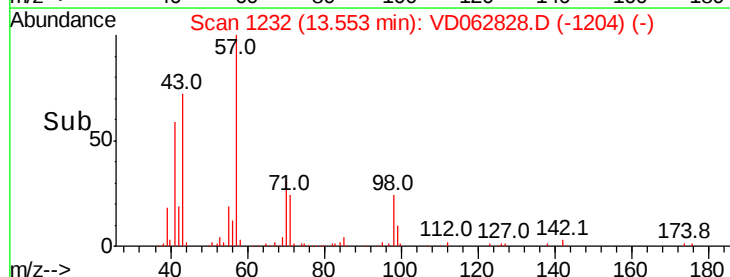
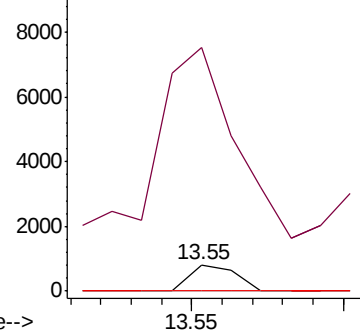
89 0.0 39.4 59.2#

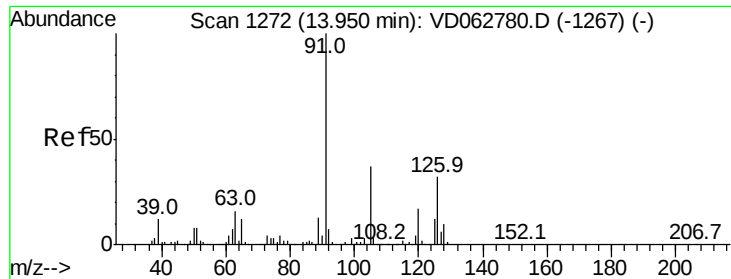


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

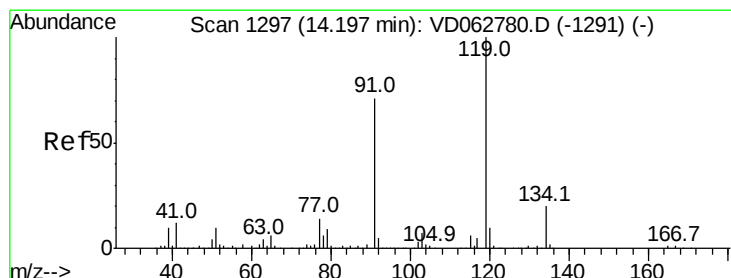
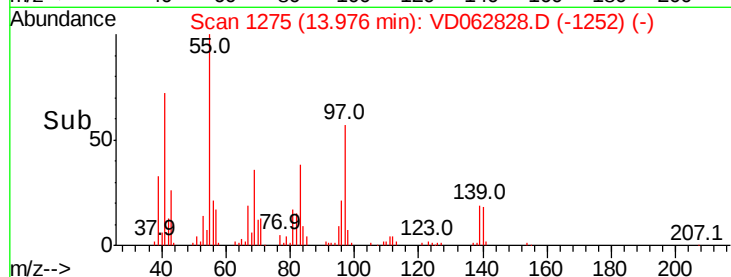
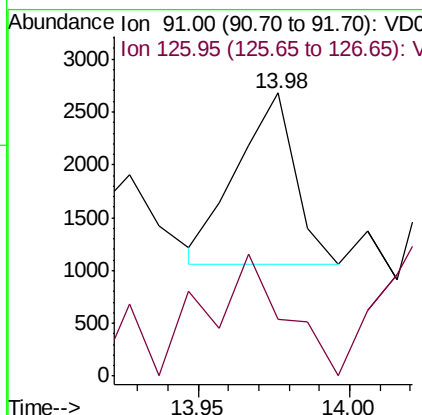
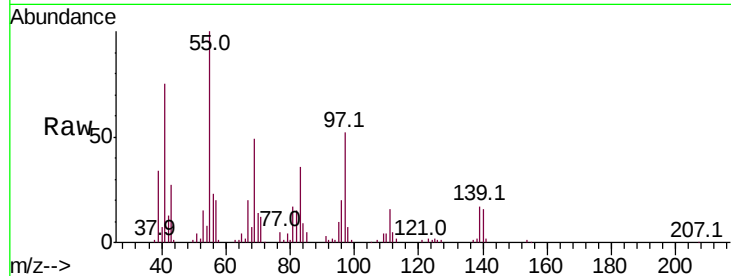




#82
4-Chlorotoluene
Concen: 8.494 ug/l
RT: 13.98 min Scan# 1275
Delta R.T. 0.03 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

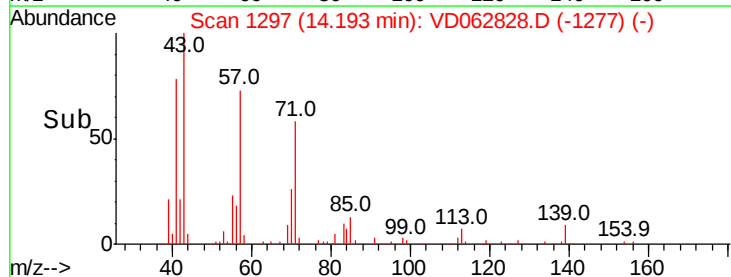
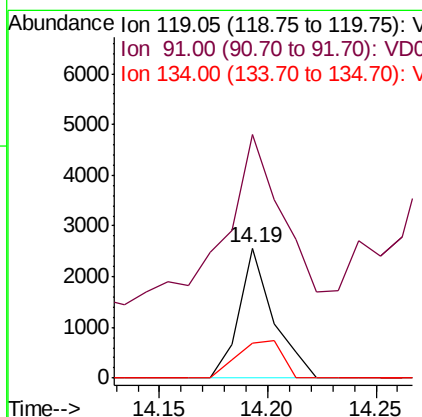
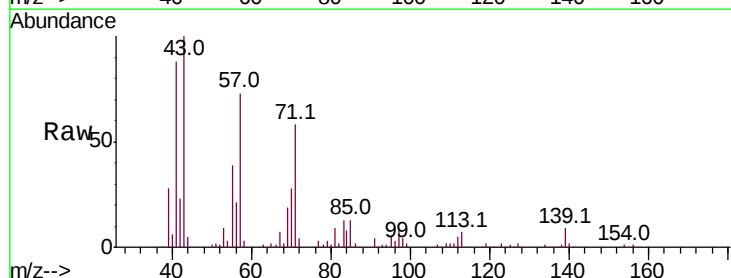
Instrument :
MSVOA_D
ClientSampled :
TP-3

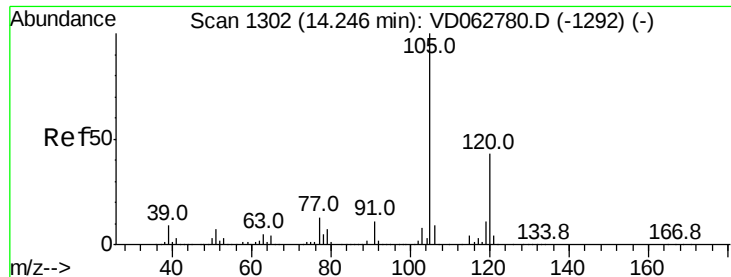
Tot Ion: 91 Resp: 2154
Ion Ratio Lower Upper
91 100
126 20.2 16.0 47.9



#83
tert-Butylbenzene
Concen: 9.548 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 119 Resp: 2831
Ion Ratio Lower Upper
119 100
91 187.8 35.5 106.5#
134 26.6 10.2 30.6

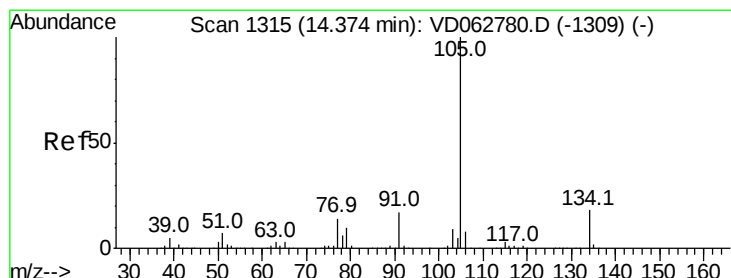
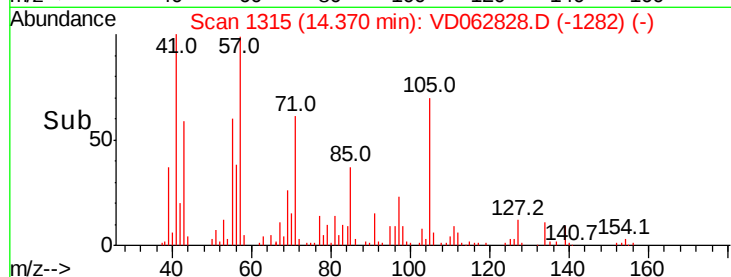
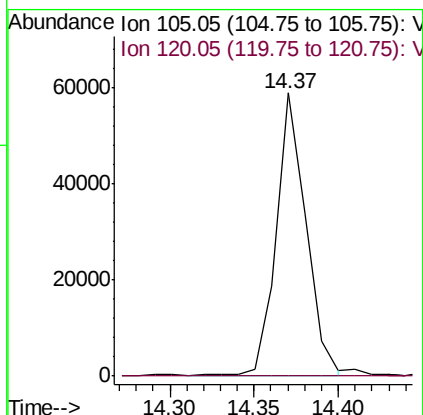
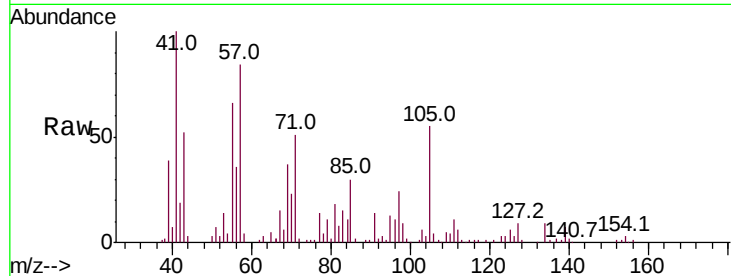




#84
1,2,4-Trimethylbenzene
Concen: 265.412 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.12 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

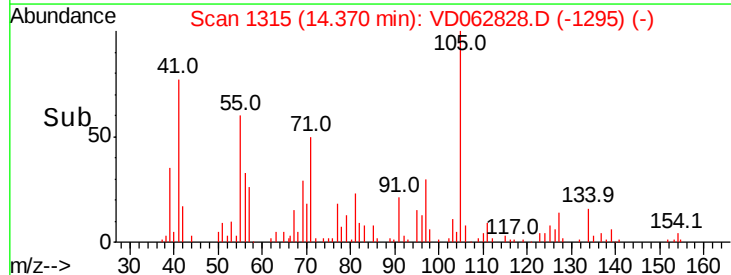
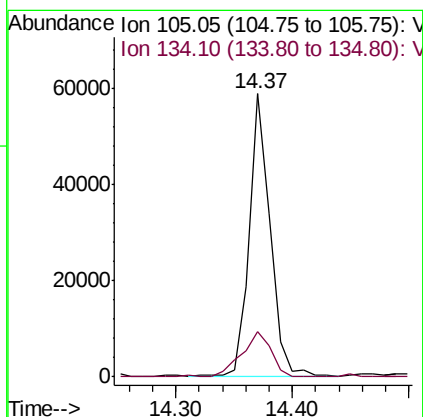
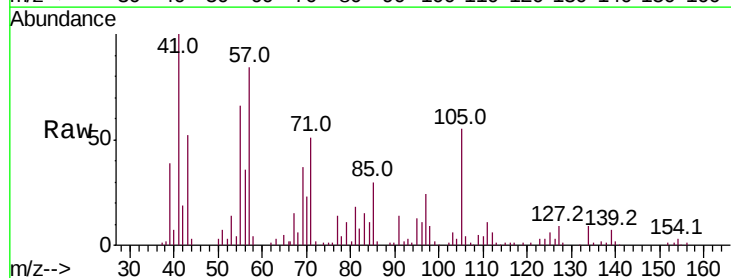
Instrument :
MSVOA_D
ClientSampleId :
TP-3

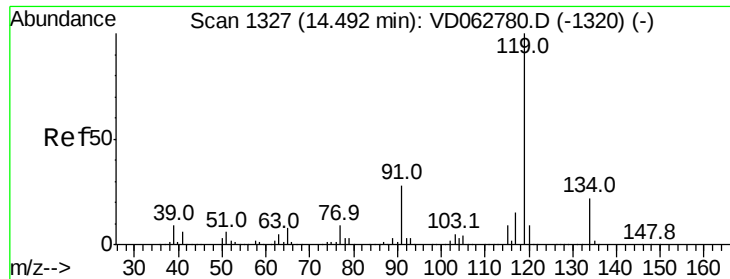
Tot Ion:105 Resp: 72361
Ion Ratio Lower Upper
105 100
120 0.0 21.3 63.9#



#85
sec-Butylbenzene
Concen: 228.660 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion:105 Resp: 73686
Ion Ratio Lower Upper
105 100
134 16.2 9.1 27.3





#86

p-Isopropyltoluene

Concen: 4.996 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.12 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

TP-3

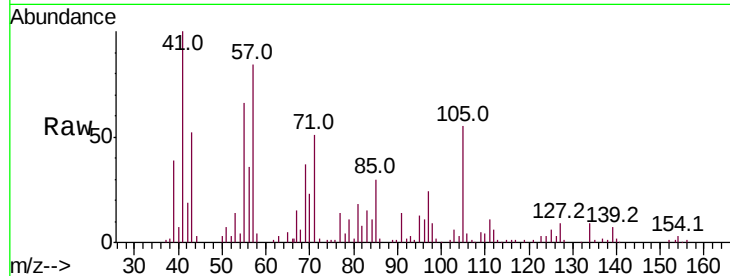
Tot Ion:119 Resp: 1473

Ion Ratio Lower Upper

119 100

134 1284.5 11.1 33.1#

91 1994.1 14.0 41.9#

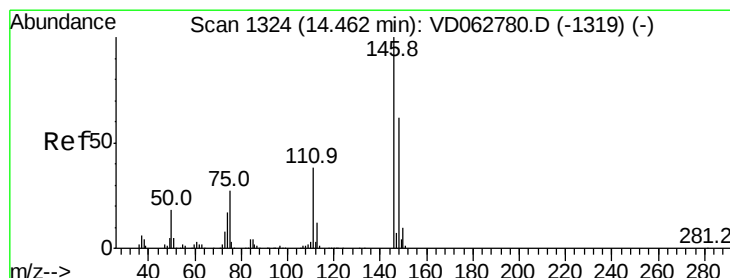
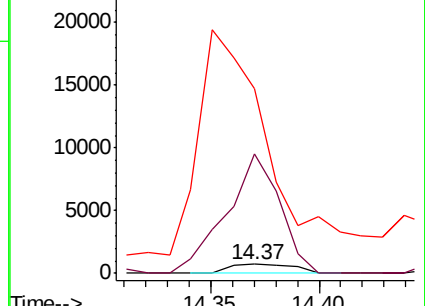
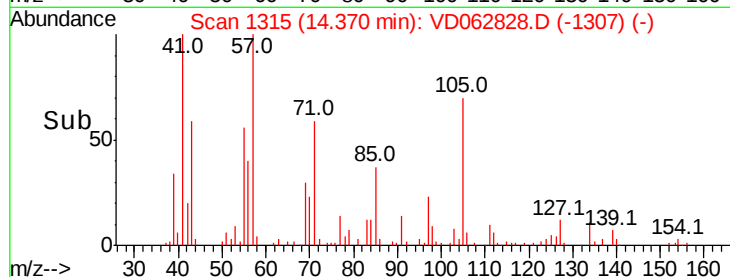


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#87

1,3-Dichlorobenzene

Concen: 1.212 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.08 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

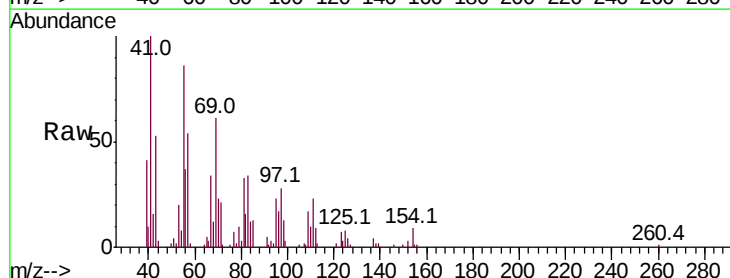
Tgt Ion:146 Resp: 185

Ion Ratio Lower Upper

146 100

111 4372.3 19.0 57.0#

148 0.0 30.8 92.3#

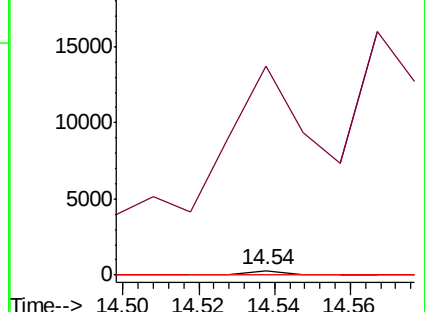
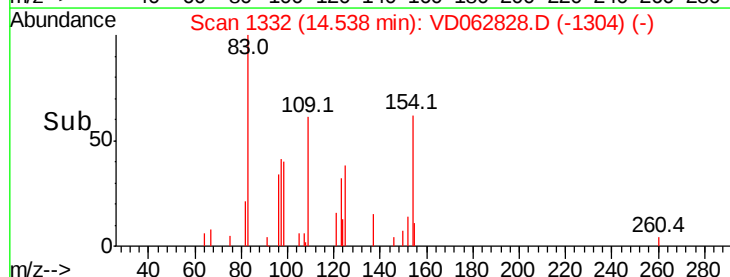


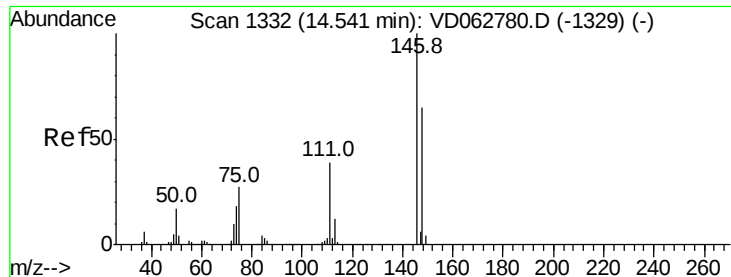
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->

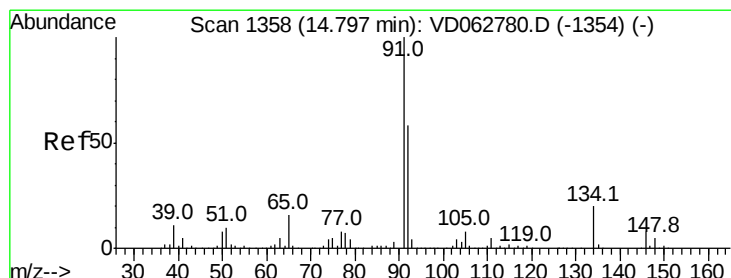
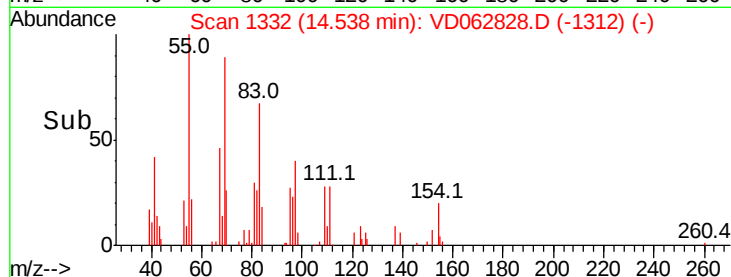
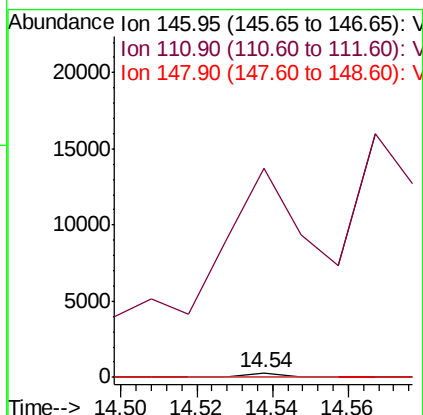
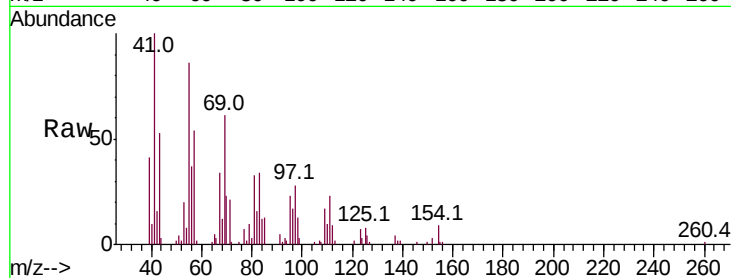




#88
1,4-Dichlorobenzene
Concen: 1.206 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

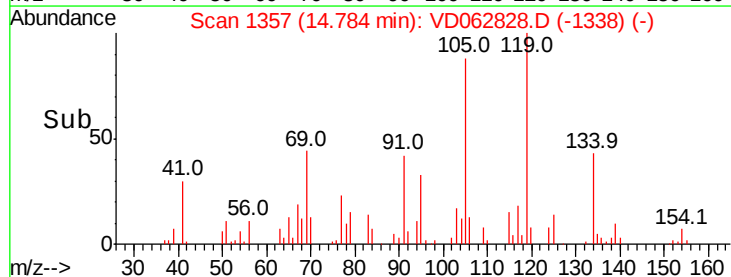
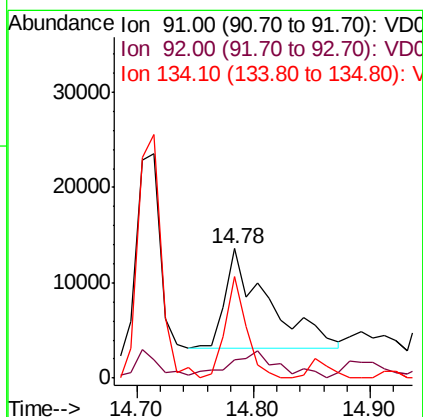
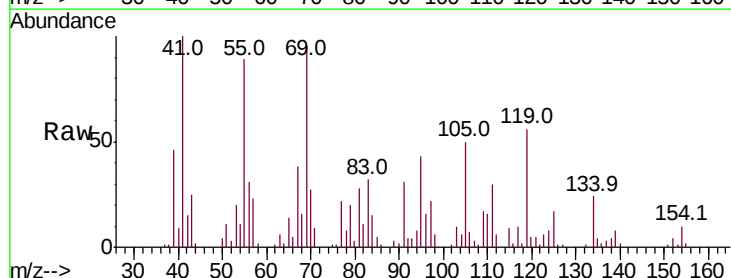
Instrument :
MSVOA_D
ClientSampled :
TP-3

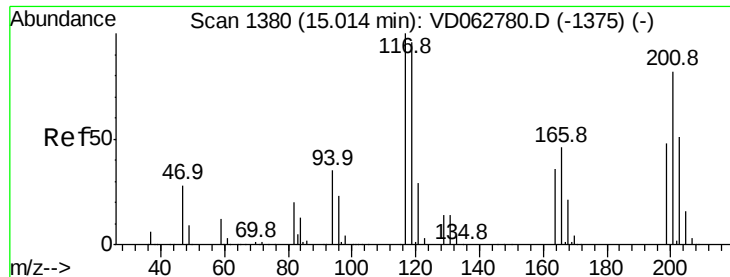
Tot Ion:146 Resp: 185
Ion Ratio Lower Upper
146 100
111 4372.3 19.7 59.1#
148 0.0 32.8 98.3#



#89
n-Butylbenzene
Concen: 96.782 ug/l
RT: 14.78 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion: 91 Resp: 26705
Ion Ratio Lower Upper
91 100
92 14.0 28.9 86.7#
134 78.7 10.1 30.3#





#90

Hexachloroethane

Concen: 466.283 ug/l

RT: 15.06 min Scan# 1385

Delta R.T. 0.05 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

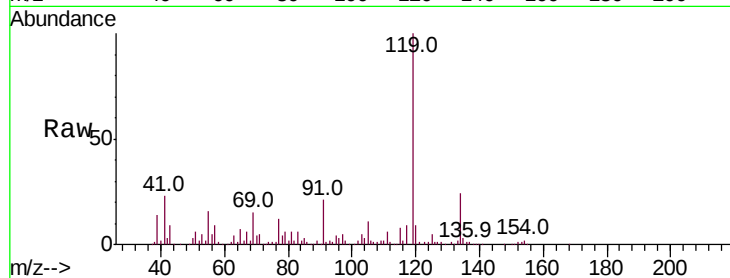
TP-3

Tot Ion:117 Resp: 36960

Ion Ratio Lower Upper

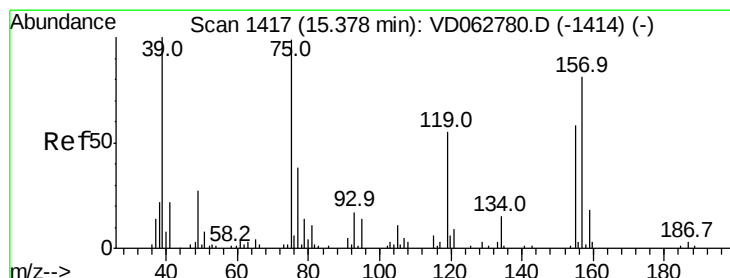
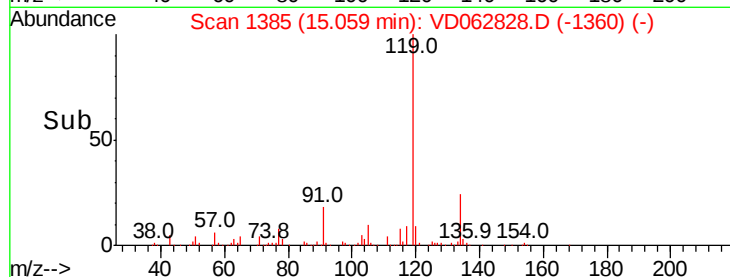
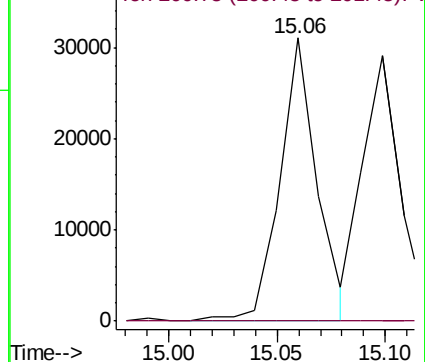
117 100

201 0.0 40.8 122.2#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 356.077 ug/l

RT: 15.34 min Scan# 1414

Delta R.T. -0.03 min

Lab File: VD062828.D

Acq: 21 Jun 2019 20:37

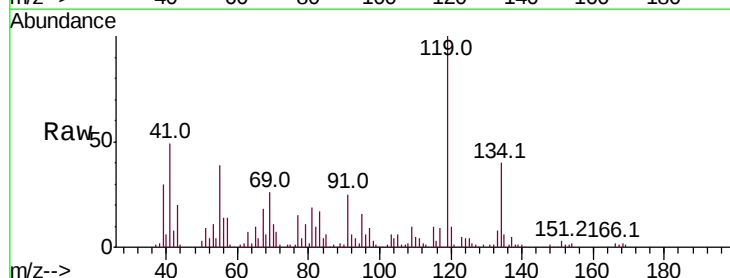
Tgt Ion: 75 Resp: 3586

Ion Ratio Lower Upper

75 100

155 0.0 29.3 87.8#

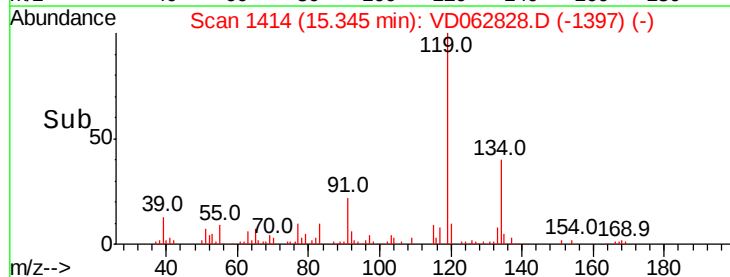
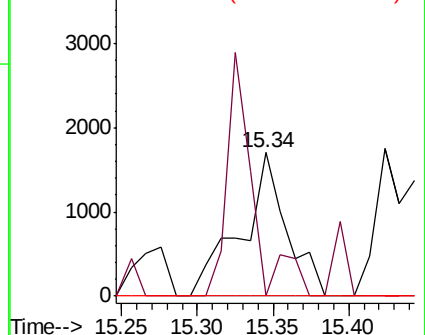
157 0.0 41.3 123.7#

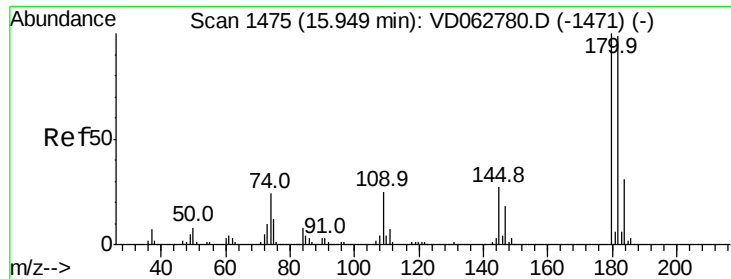


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

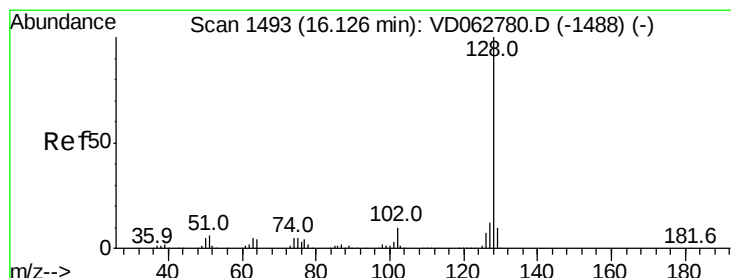
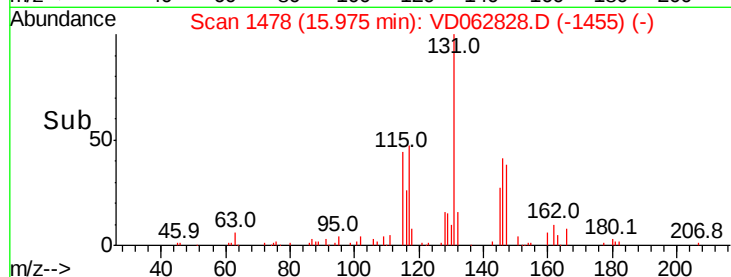
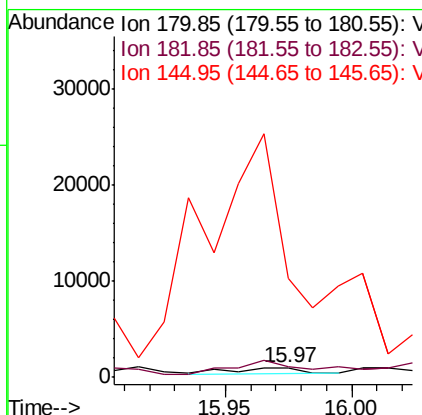
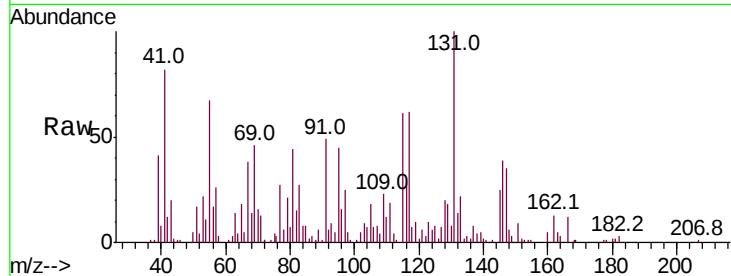




#93
1,2,4-Trichlorobenzene
Concen: 12.004 ug/l
RT: 15.97 min Scan# 1478
Delta R.T. 0.03 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

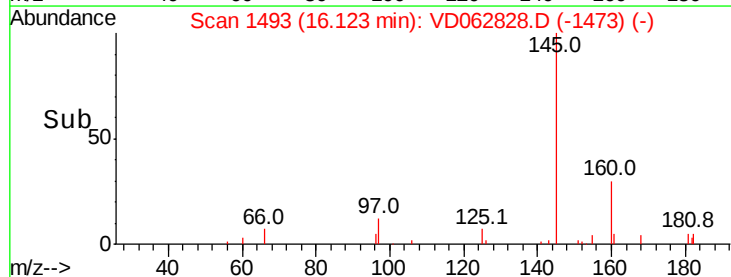
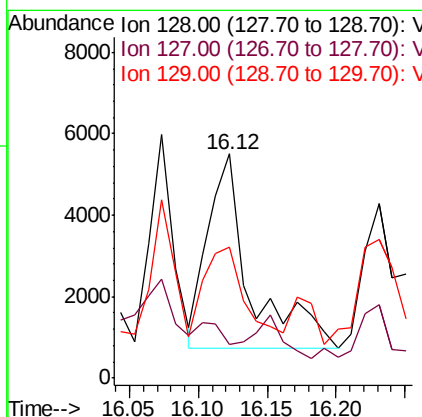
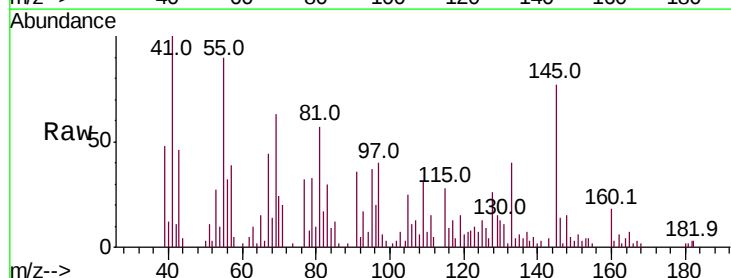
Instrument :
MSVOA_D
ClientSampleId :
TP-3

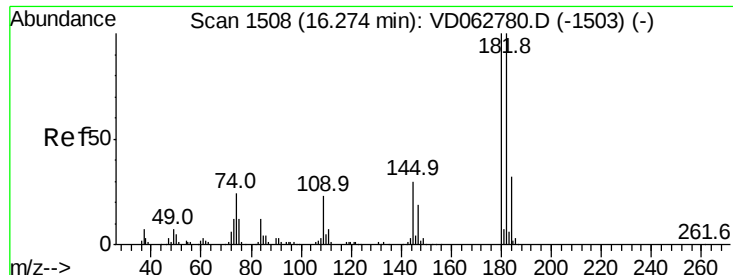
Tot Ion:180 Resp: 1225
Ion Ratio Lower Upper
180 100
182 111.1 49.5 148.5
145 1007.8 13.7 41.0#



#95
Naphthalene
Concen: 70.523 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062828.D
Acq: 21 Jun 2019 20:37

Tgt Ion:128 Resp: 10087
Ion Ratio Lower Upper
128 100
127 14.9 9.7 14.5#
129 58.3 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 26.579 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: VD062828.D
 Acq: 21 Jun 2019 20:37

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Tot Ion:180 Resp: 2084
 Ion Ratio Lower Upper
 180 100
 182 23.3 49.9 149.6#
 145 833.2 15.2 45.5#

