

Data File : VD067778.D
Acq On : 24 Nov 2020 19:52
Operator : VA/SY
Sample : L4889-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-818-820

Quant Time: Nov 25 02:07:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	68820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	102885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	33245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	50481	75.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	150.88%		
35) Dibromofluoromethane	7.91	113	46172	70.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	141.04%		
50) Toluene-d8	10.34	98	75014	31.34	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	62.68%		
62) 4-Bromofluorobenzene	12.63	95	4974	6.08	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	12.16%#		

Target Compounds

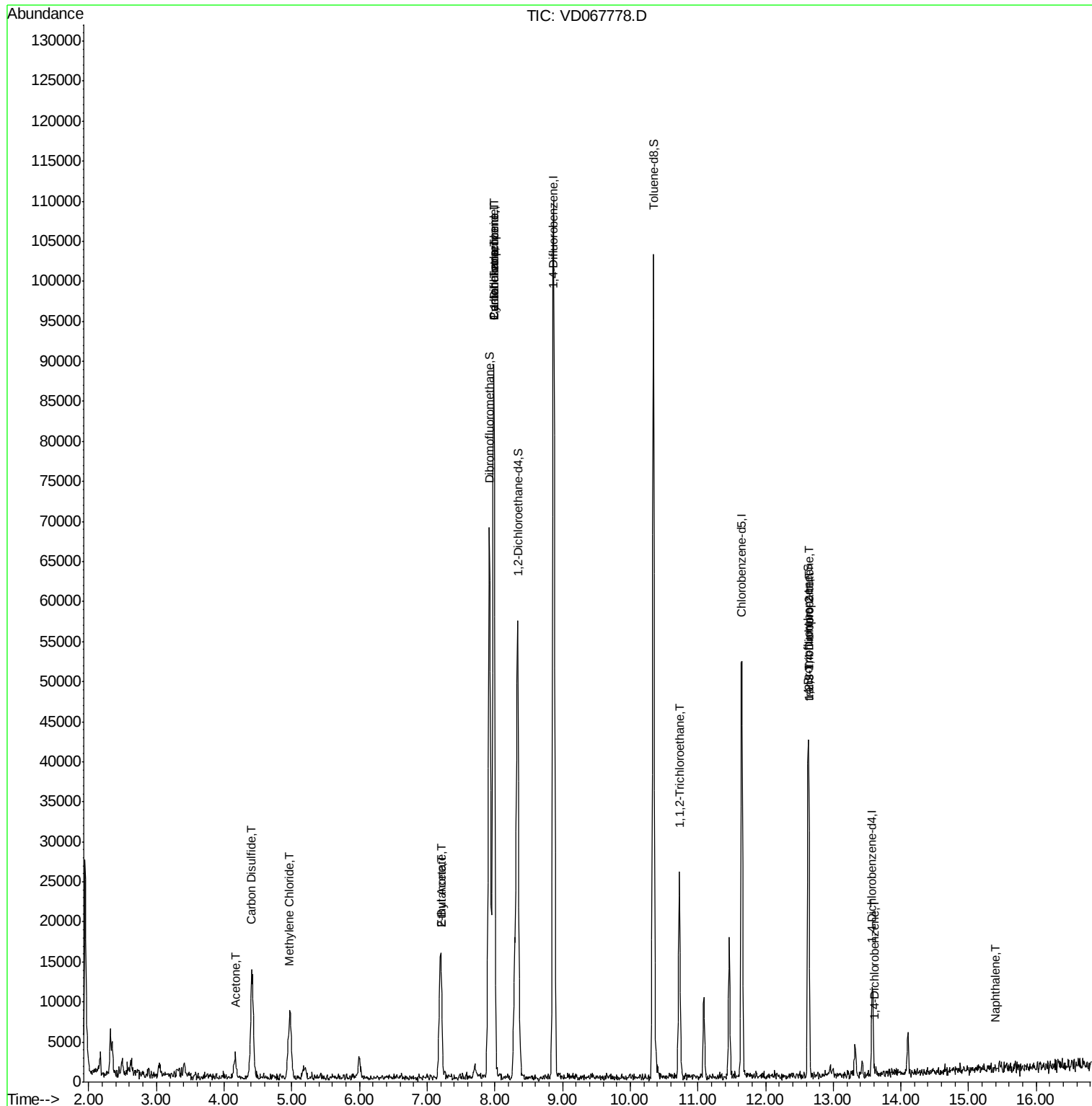
						Qvalue
11) Tert butyl alcohol	5.24	59	70	Below Cal	#	87
16) Acetone	4.17	43	4374	50.599	ug/l #	86
17) Carbon Disulfide	4.41	76	28623	17.518	ug/l #	99
20) Methylene Chloride	4.96	84	8167	6.130	ug/l #	83
25) 2-Butanone	7.21	43	1517	15.639	ug/l #	84
31) Cyclohexane	7.99	56	1777	2.195	ug/l #	64
36) 1,1-Dichloropropene	7.98	75	4711	5.336	ug/l #	41
37) Ethyl Acetate	7.21	43	1517	6.390	ug/l #	63
38) Carbon Tetrachloride	7.99	117	6900	5.392	ug/l #	12
55) 1,1,2-Trichloroethane	10.73	97	644	1.417	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	3019	107.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3019	251.341	ug/l #	11
88) 1,4-Dichlorobenzene	13.61	146	167	1.312	ug/l #	25
95) Naphthalene	15.40	128	249	1.963	ug/l #	69

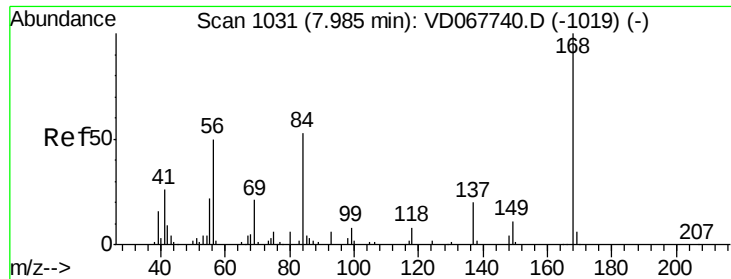
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

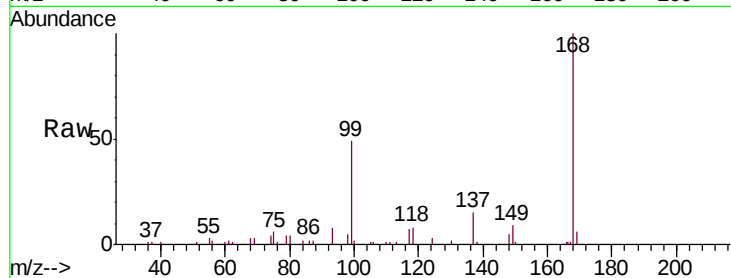
BP-VPB178-GW-818-820

Tgt Ion: 168 Resp: 68820

Ion Ratio Lower Upper

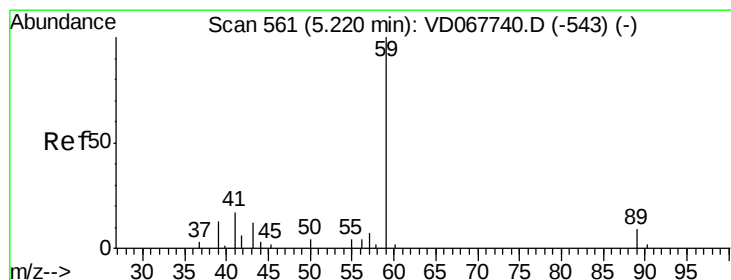
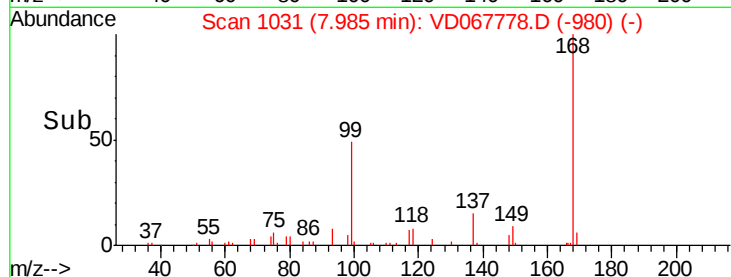
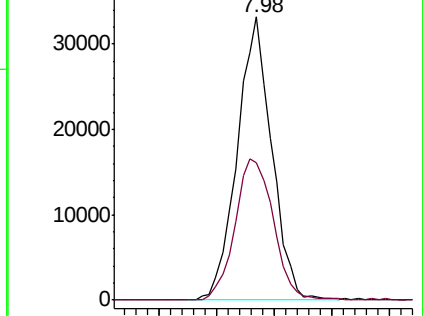
168 100

99 48.5 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD067778.D

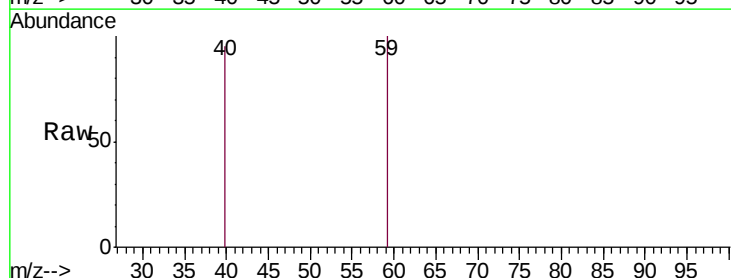
Acq: 24 Nov 2020 19:52

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

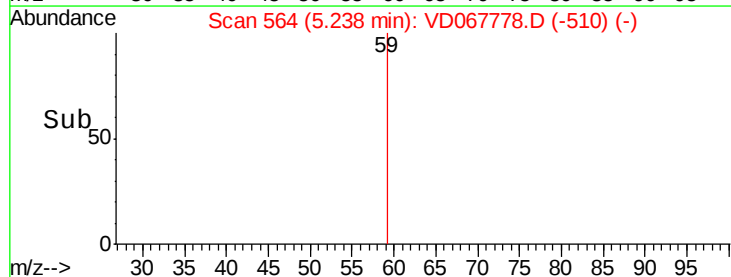
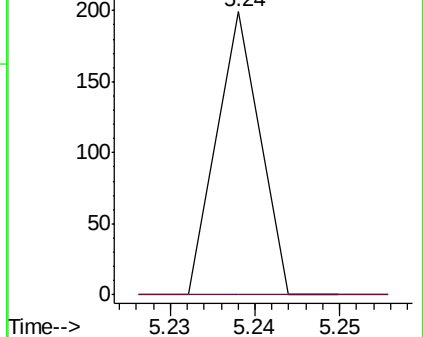
59 100

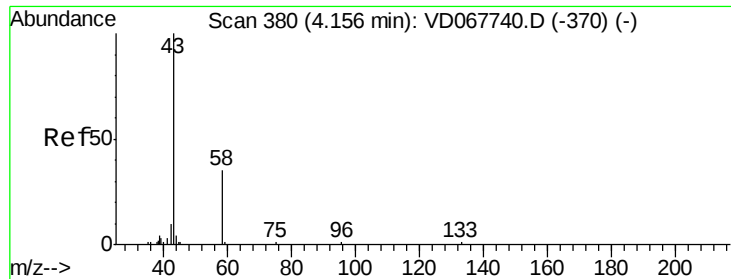
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 50.599 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

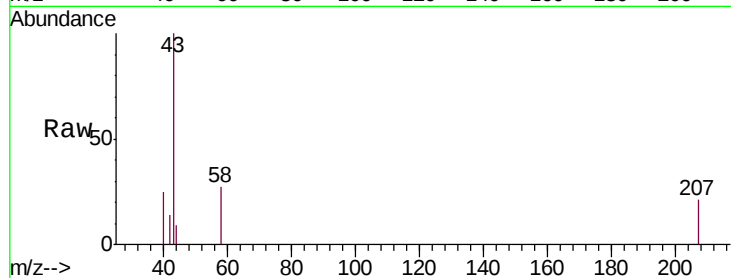
BP-VPB178-GW-818-820

Tgt Ion: 43 Resp: 4374

Ion Ratio Lower Upper

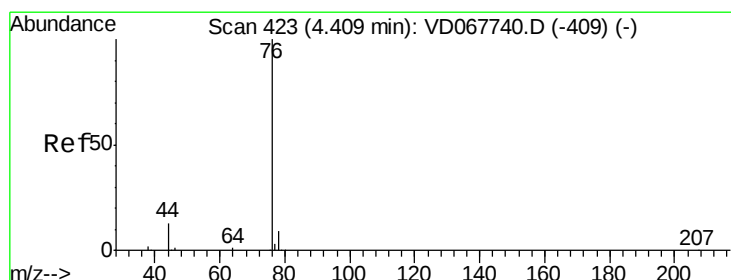
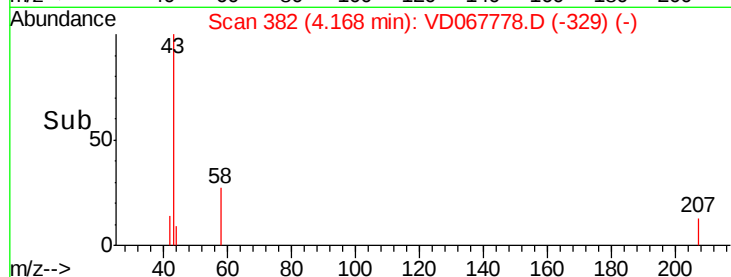
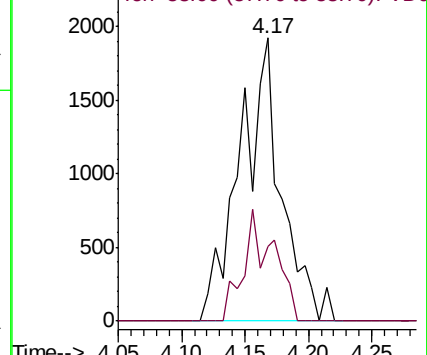
43 100

58 26.5 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 17.518 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067778.D

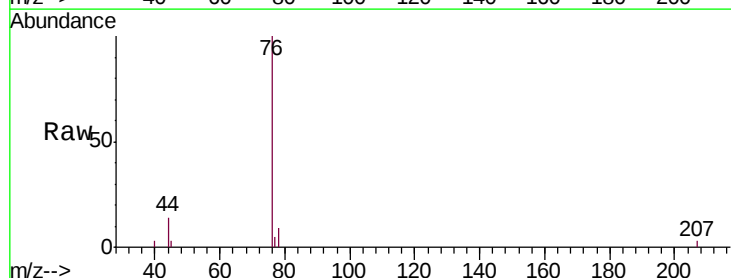
Acq: 24 Nov 2020 19:52

Tgt Ion: 76 Resp: 28623

Ion Ratio Lower Upper

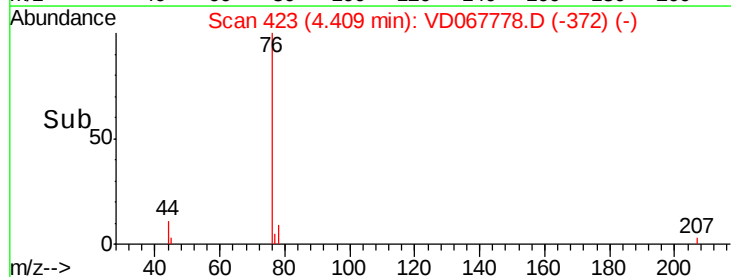
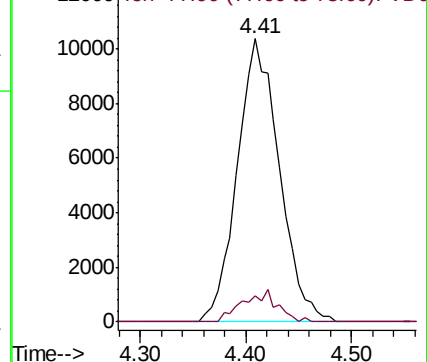
76 100

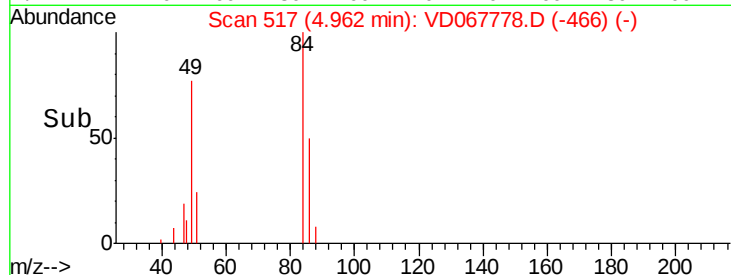
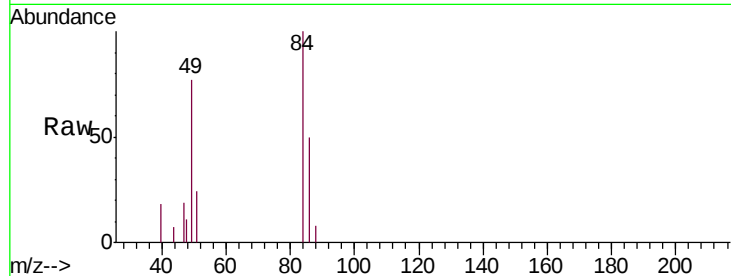
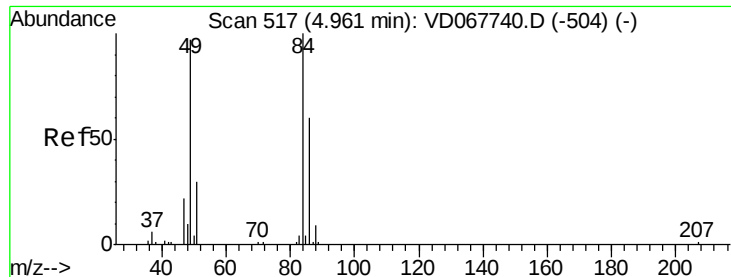
78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

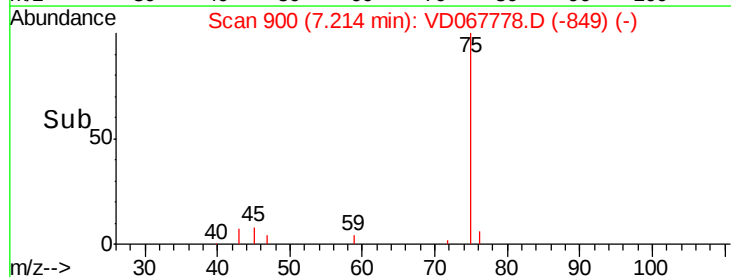
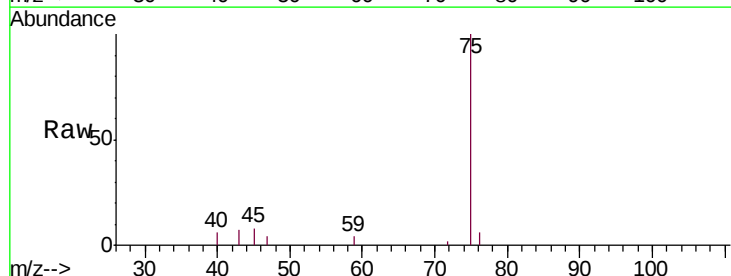
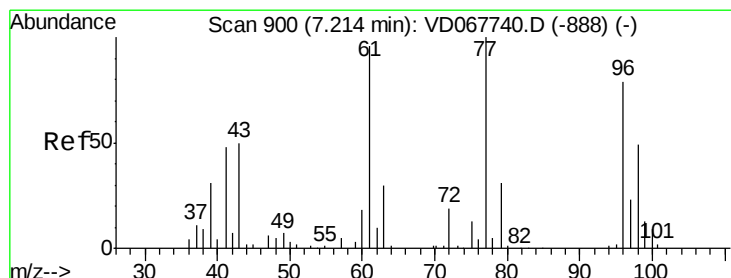
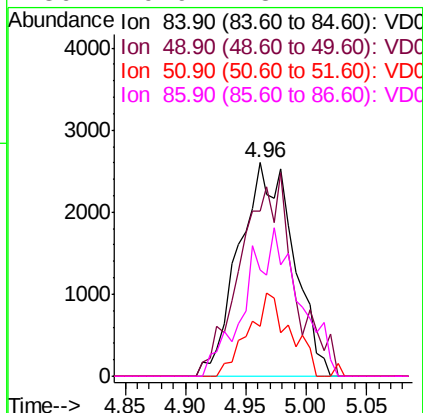




#20
Methylene Chloride
Concen: 6.130 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067778.D
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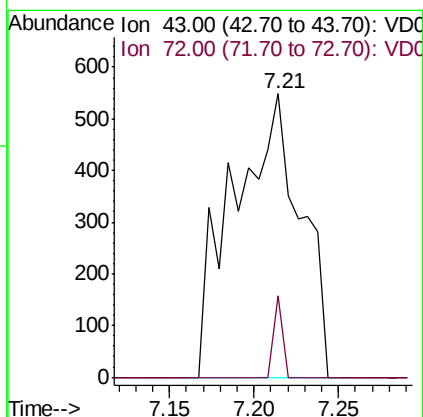
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-818-820

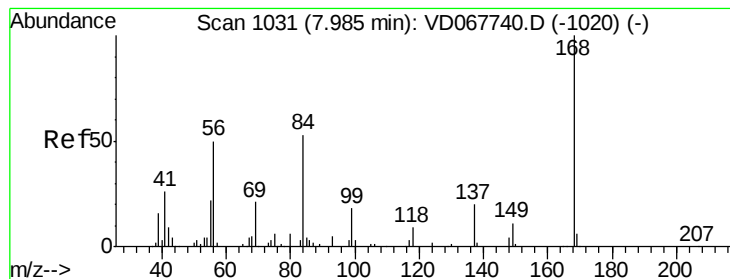
Tgt Ion: 84 Resp: 8167
Ion Ratio Lower Upper
84 100
49 77.2 77.4 116.2#
51 23.7 24.1 36.1#
86 49.9 48.2 72.2



#25
2-Butanone
Concen: 15.639 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067778.D
Acq: 24 Nov 2020 19:52

Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
72 28.8 30.8 46.2#





#31

Cyclohexane

Concen: 2.195 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-818-820

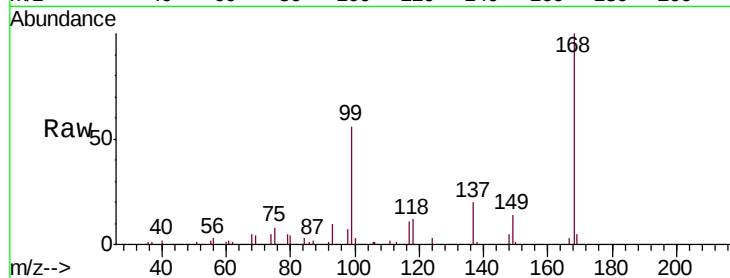
Tgt Ion: 56 Resp: 1777

Ion Ratio Lower Upper

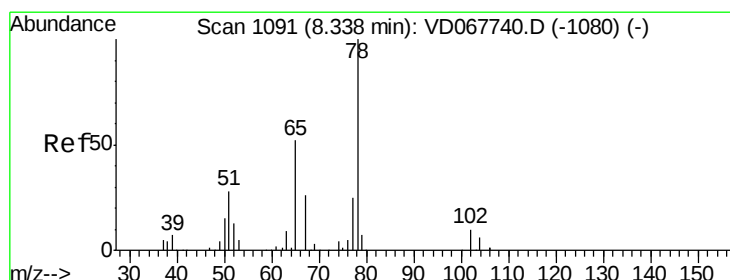
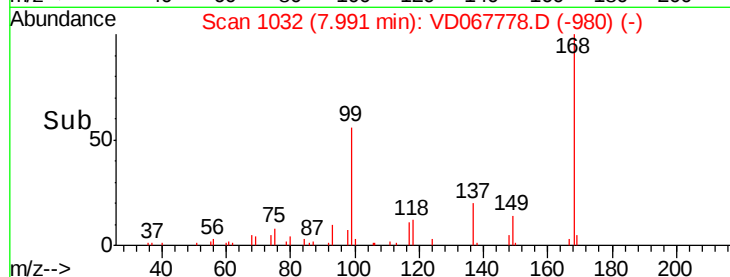
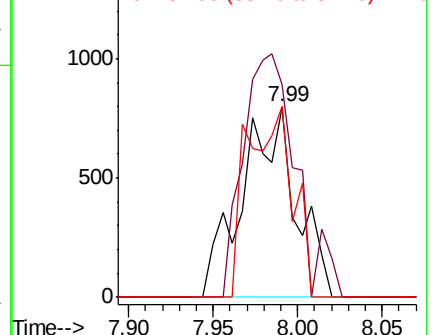
56 100

69 112.3 33.2 49.8#

84 100.4 84.8 127.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 75.441 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067778.D

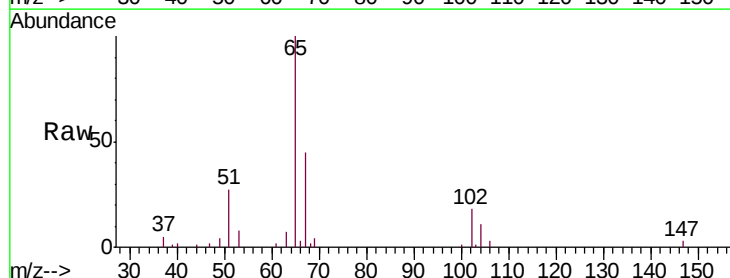
Acq: 24 Nov 2020 19:52

Tgt Ion: 65 Resp: 50481

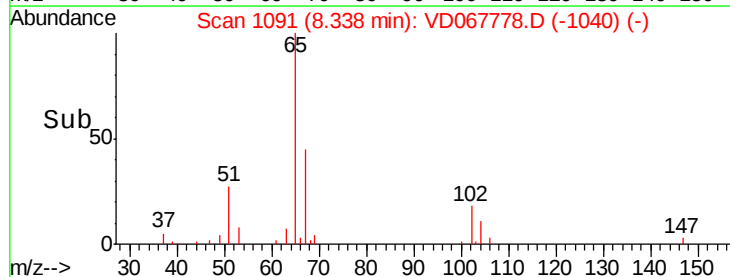
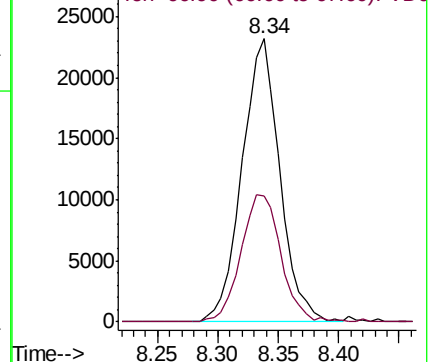
Ion Ratio Lower Upper

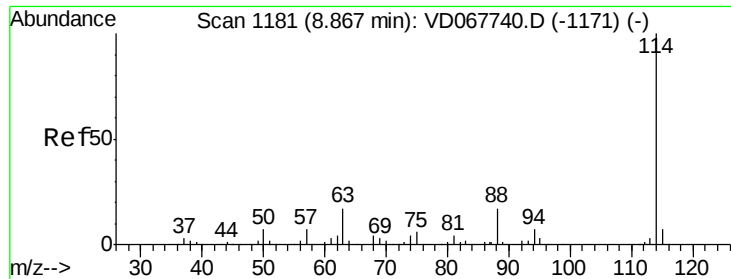
65 100

67 47.7 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

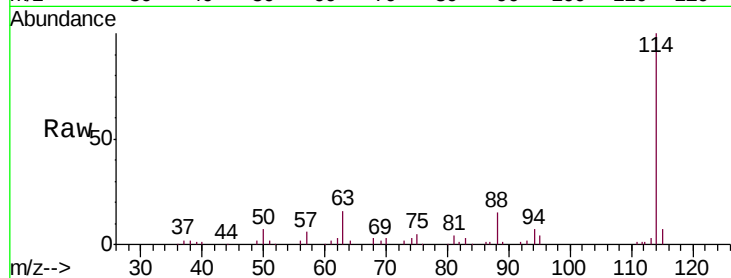




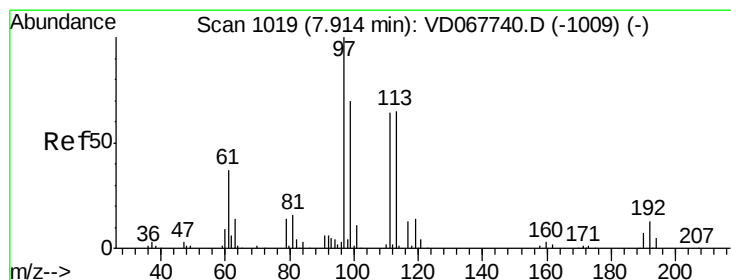
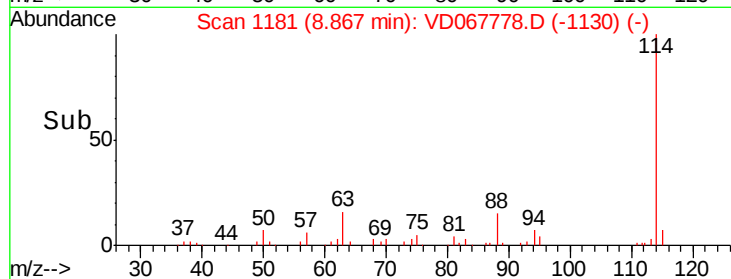
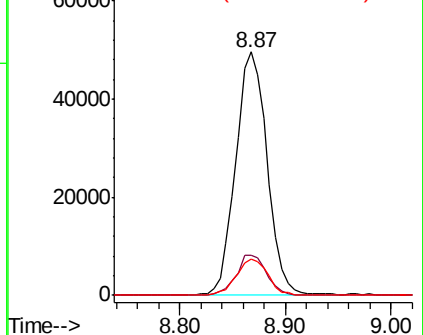
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-818-820

Tgt Ion:114 Resp: 102885
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 34.8
 88 15.0 0.0 34.4

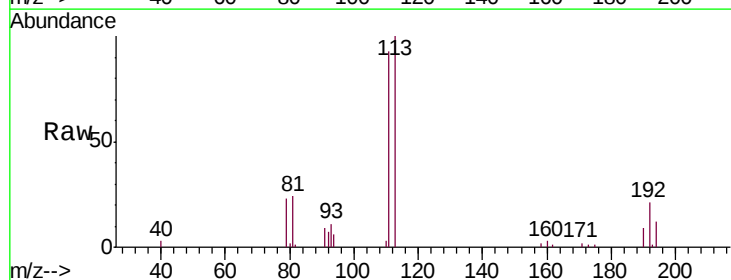


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

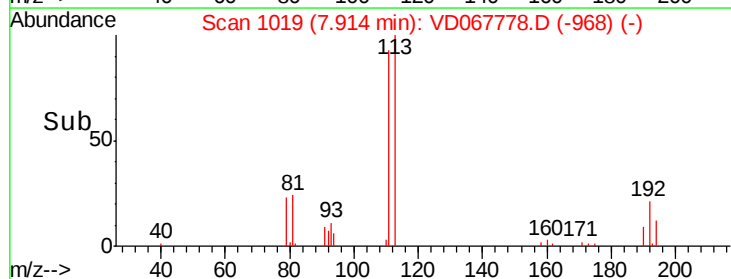
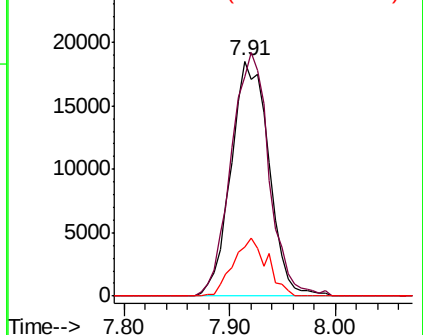


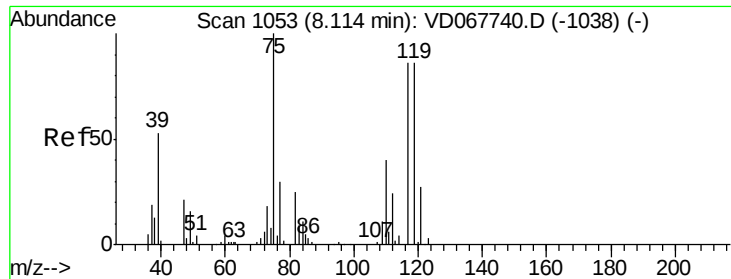
#35
 Dibromofluoromethane
 Concen: 70.518 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Tgt Ion:113 Resp: 46172
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.0
 192 22.3 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

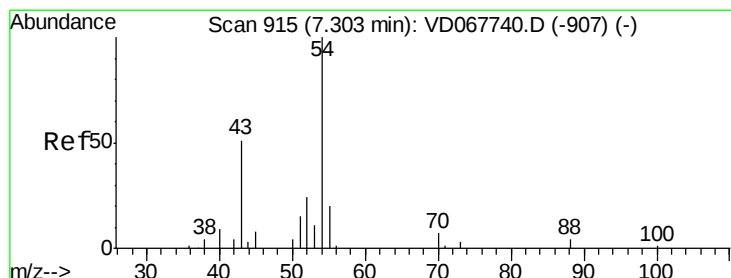
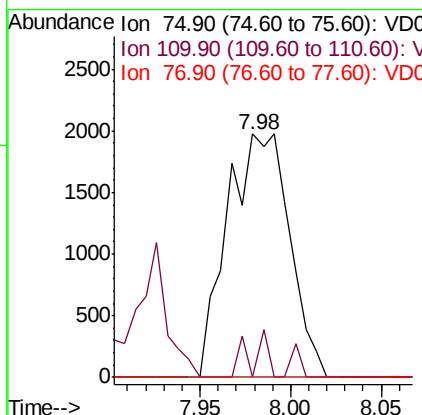
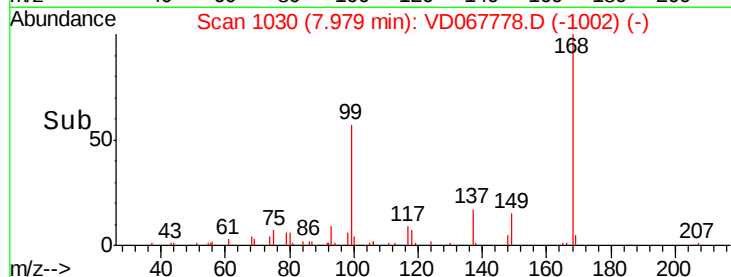
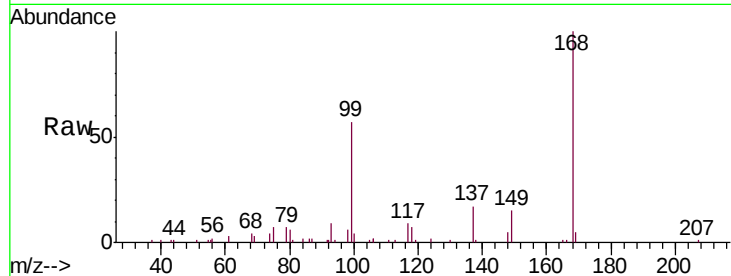




#36
 1,1-Dichloropropene
 Concen: 5.336 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

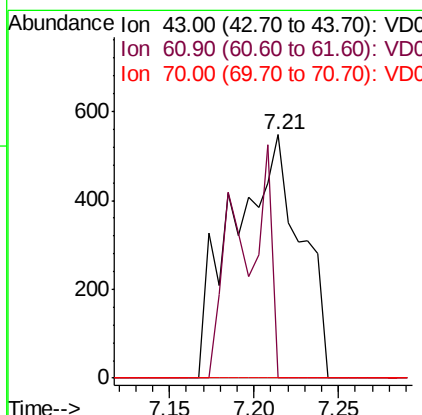
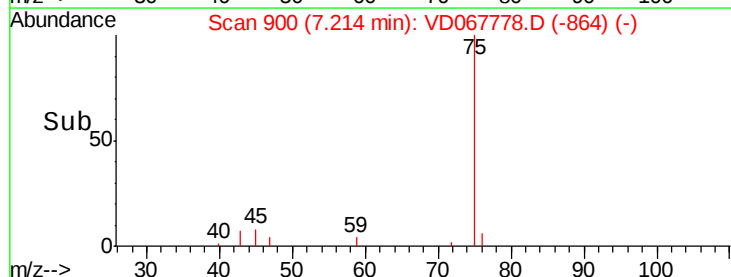
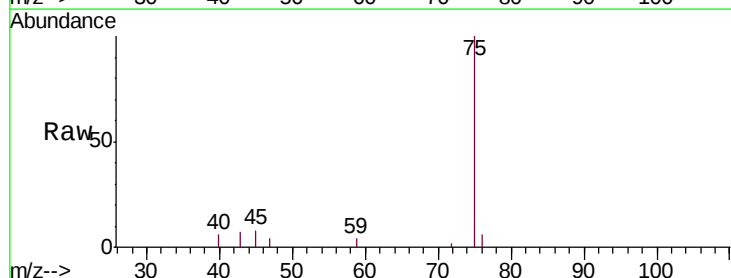
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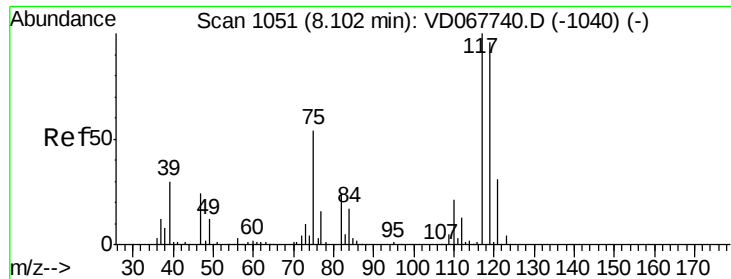
Tgt Ion: 75 Resp: 4711
 Ion Ratio Lower Upper
 75 100
 110 2.5 20.1 60.2#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 6.390 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.09 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Tgt Ion: 43 Resp: 1517
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.9 19.3#
 70 0.0 12.2 18.2#

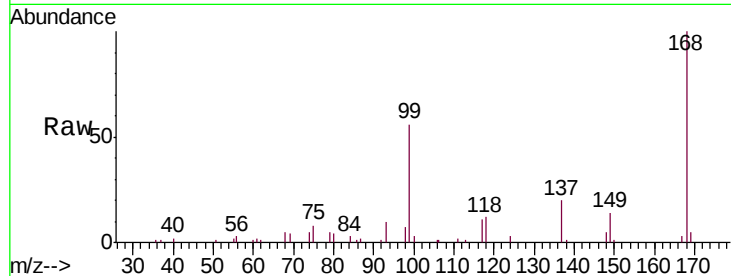




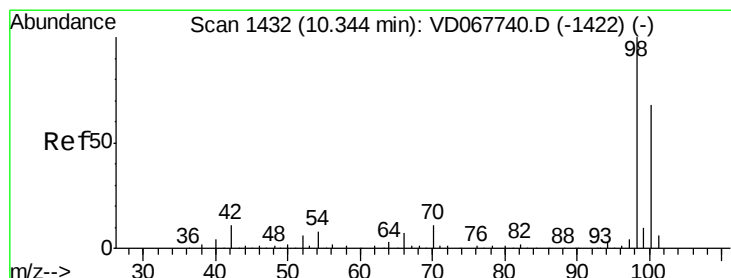
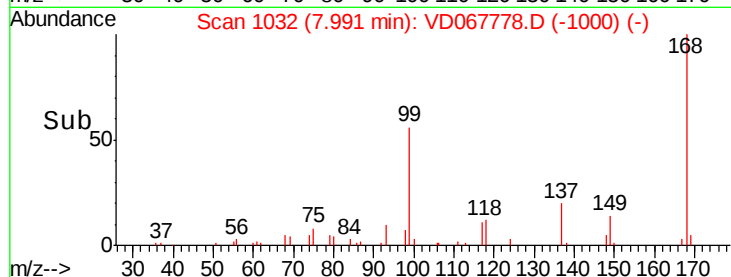
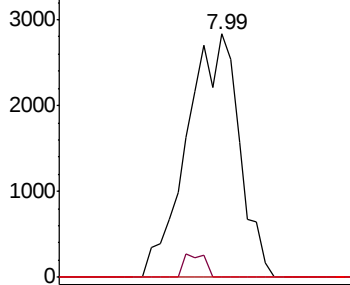
#38
 Carbon Tetrachloride
 Concen: 5.392 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-818-820

Tgt Ion: 117 Resp: 6900
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.6 115.0#
 121 0.0 24.5 36.7#

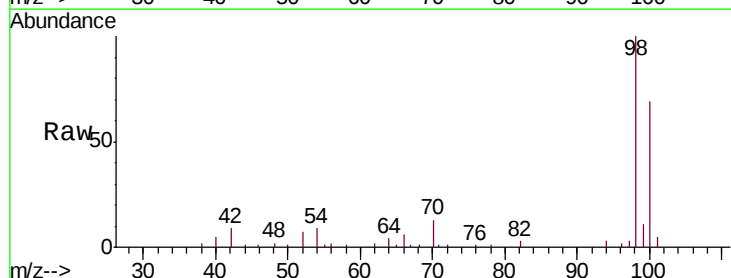


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

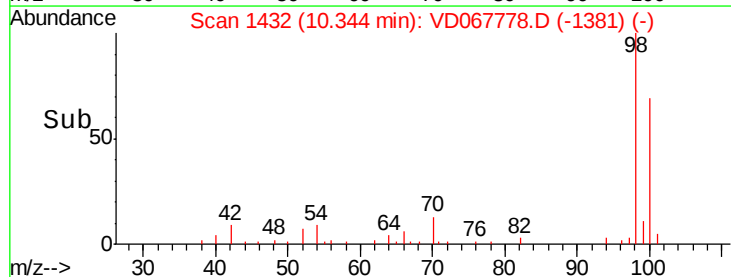
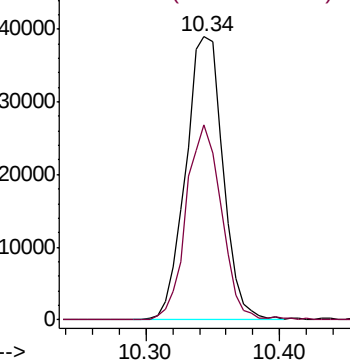


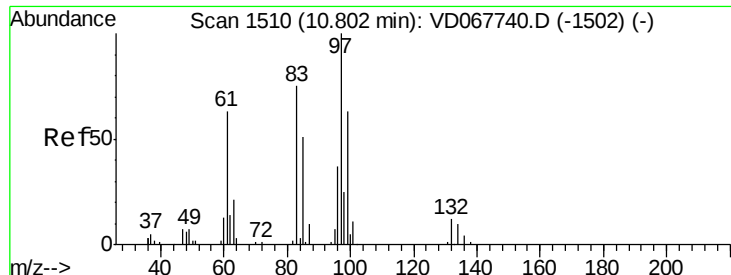
#50
 Toluene-d8
 Concen: 31.336 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Tgt Ion: 98 Resp: 75014
 Ion Ratio Lower Upper
 98 100
 100 65.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD

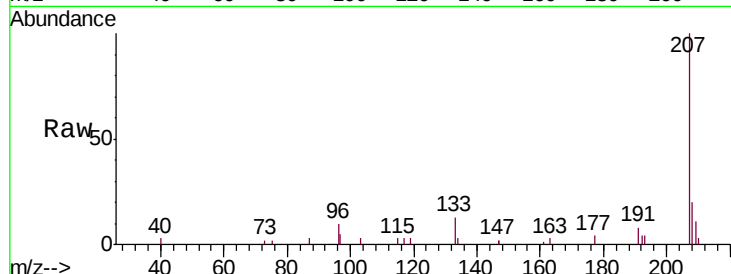




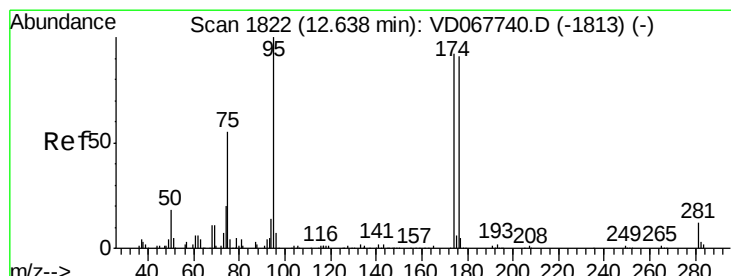
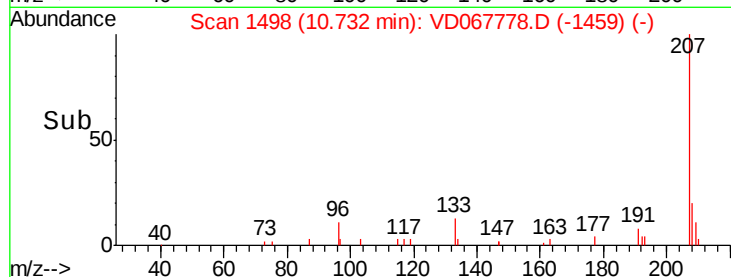
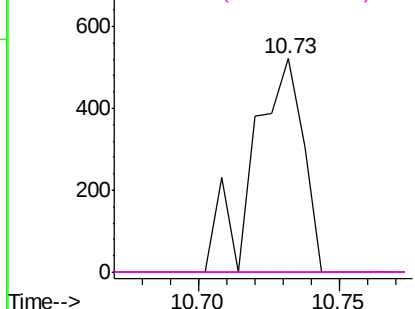
#55
 1,1,2-Trichloroethane
 Concen: 1.417 ug/l
 RT: 10.73 min Scan# 1498
 Delta R.T. -0.07 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-818-820

Tgt Ion: 97 Resp: 644
 Ion Ratio Lower Upper
 97 100
 83 0.0 60.2 90.4#
 85 0.0 40.5 60.7#
 99 0.0 50.6 76.0#

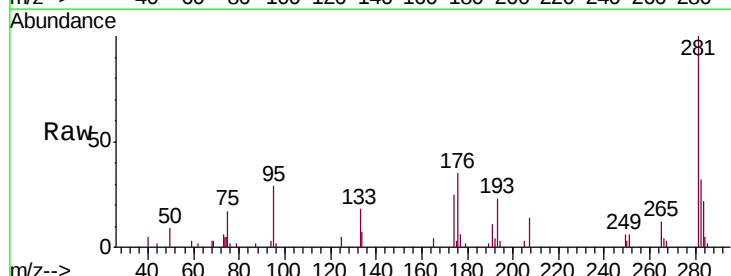


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

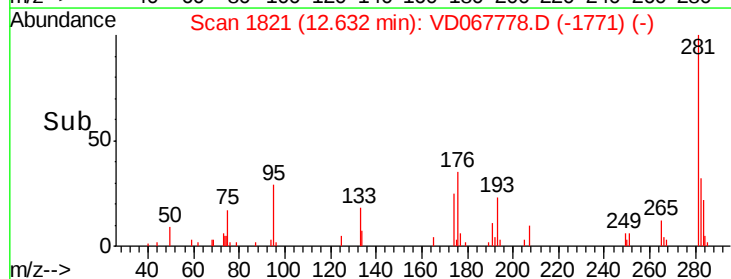
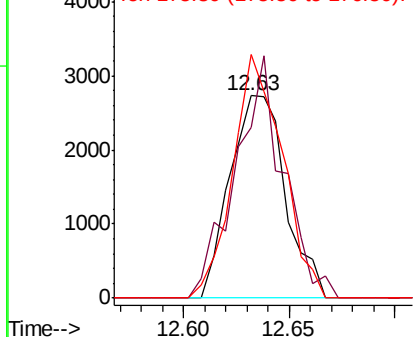


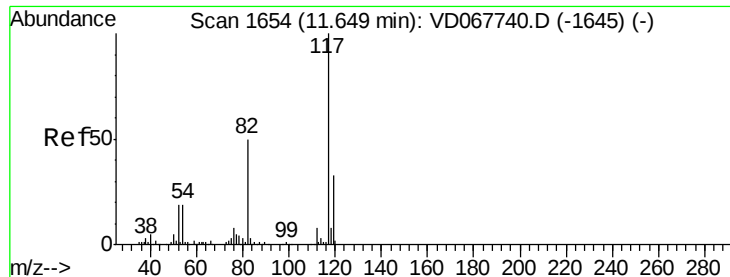
#62
 4-Bromofluorobenzene
 Concen: 6.079 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD067778.D
 Acq: 24 Nov 2020 19:52

Tgt Ion: 95 Resp: 4974
 Ion Ratio Lower Upper
 95 100
 174 103.1 0.0 182.4
 176 106.9 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): VDC
 Ion 175.80 (175.50 to 176.50): VDC

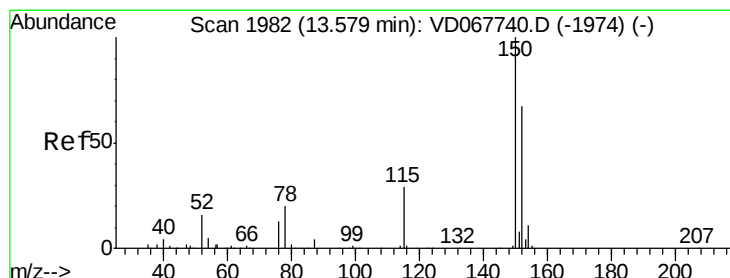
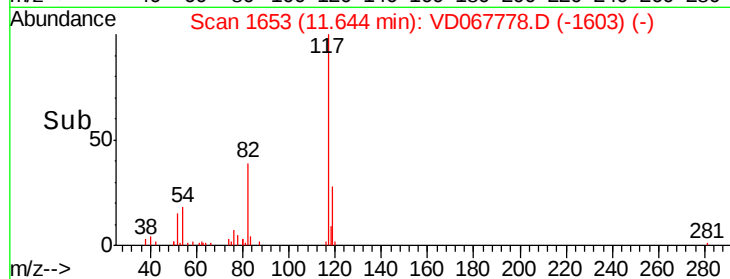
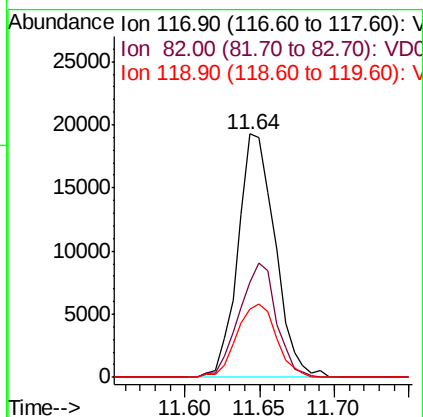
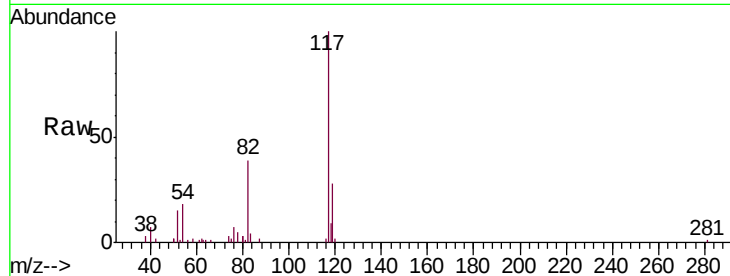




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD067778.D
Acq: 24 Nov 2020 19:52

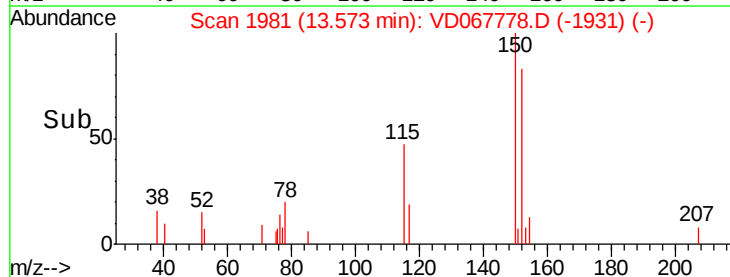
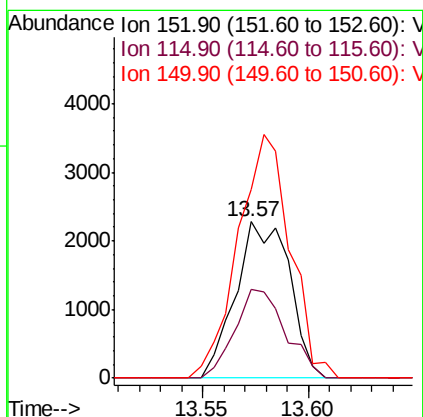
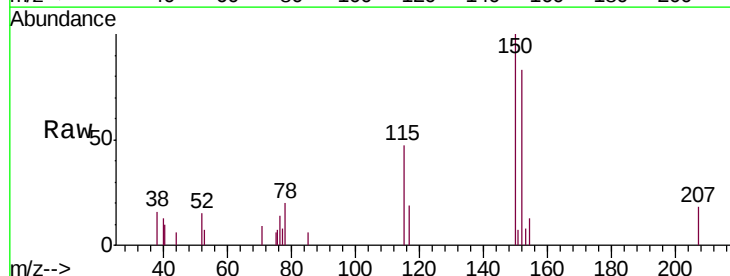
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-818-820

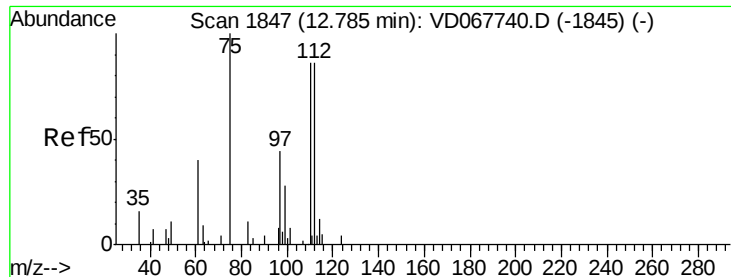
Tgt Ion:117 Resp: 33245
Ion Ratio Lower Upper
117 100
82 39.2 40.2 60.4#
119 28.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD067778.D
Acq: 24 Nov 2020 19:52

Tgt Ion:152 Resp: 4031
Ion Ratio Lower Upper
152 100
115 53.8 29.4 88.3
150 151.0 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 107.460 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.14 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

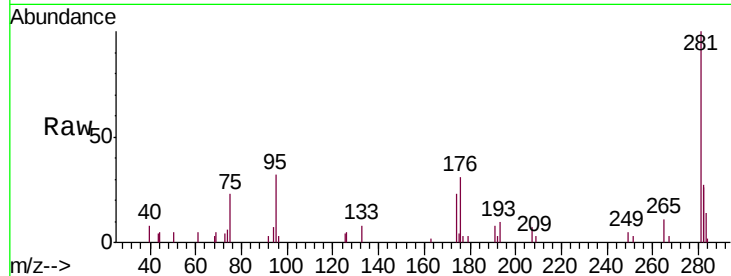
BP-VPB178-GW-818-820

Tgt Ion: 75 Resp: 3019

Ion Ratio Lower Upper

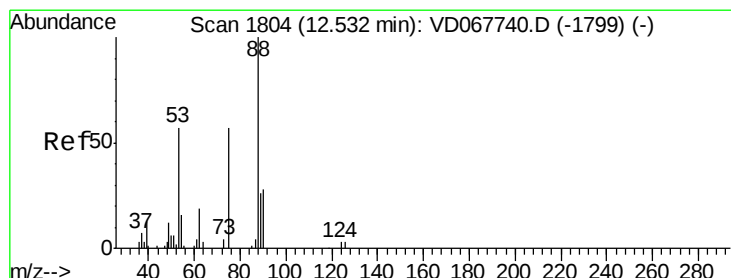
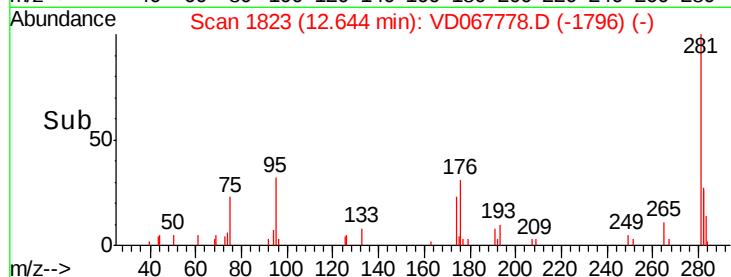
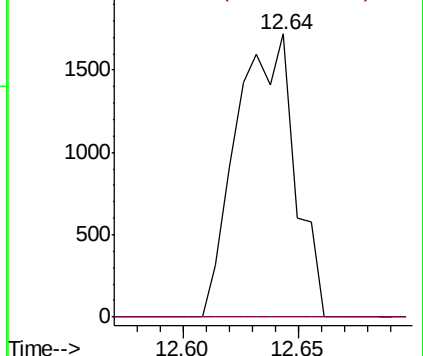
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 251.341 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

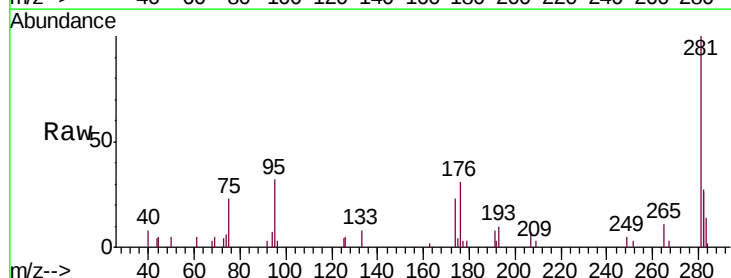
Tgt Ion: 75 Resp: 3019

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

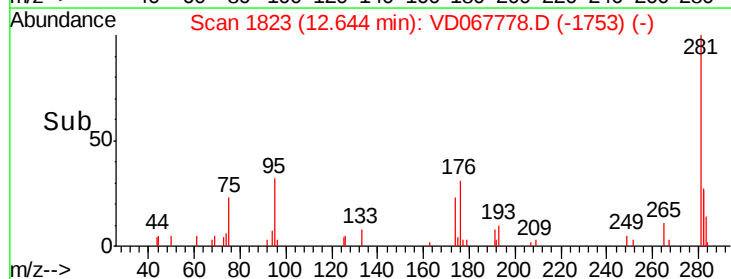
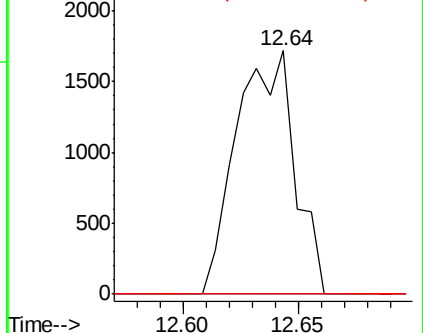
89 0.0 40.2 60.4#

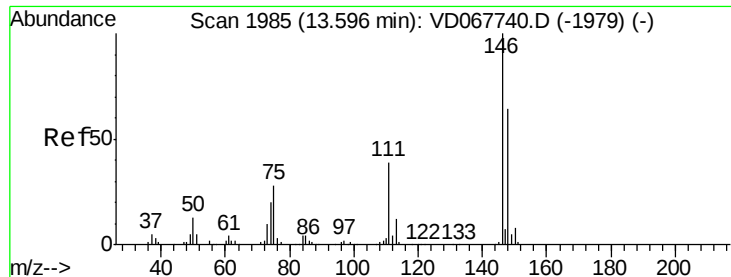


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#88

1,4-Dichlorobenzene

Concen: 1.312 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-818-820

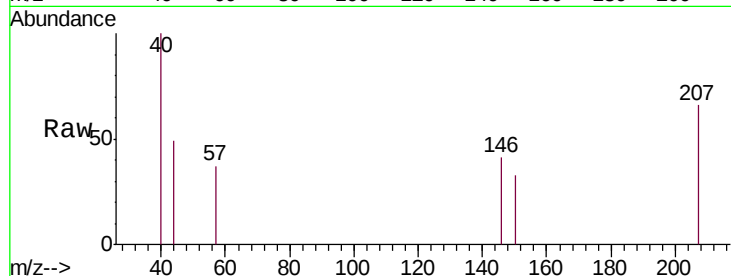
Tgt Ion:146 Resp: 167

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

148 0.0 31.6 94.8#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

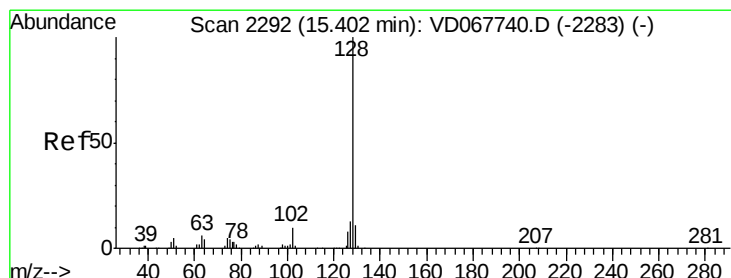
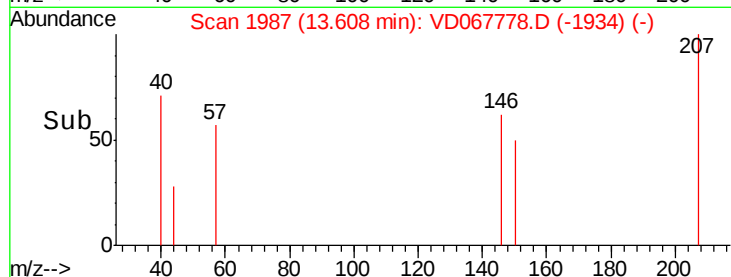
13.61

200

100

0

Time--> 13.58 13.60 13.62



#95

Naphthalene

Concen: 1.963 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067778.D

Acq: 24 Nov 2020 19:52

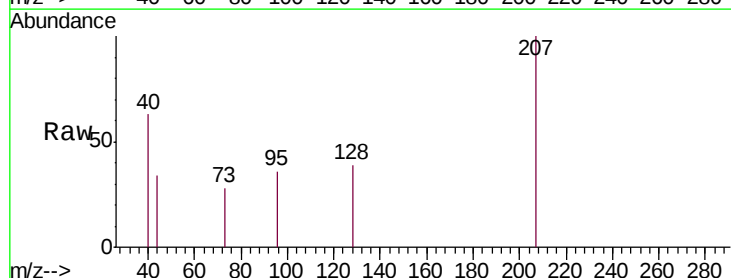
Tgt Ion:128 Resp: 249

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 12.8#



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

15.40

200

100

0

Time--> 15.38 15.40 15.42

