

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067918.D
 Acq On : 09 Dec 2020 10:33
 Operator : VA/SY
 Sample : VD1209SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBL01

Quant Time: Dec 10 02:08:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	295569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	109873	42.48	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.96%
35) Dibromofluoromethane	7.92	113	97786	44.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.72%
50) Toluene-d8	10.34	98	369941	46.62	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.24%
62) 4-Bromofluorobenzene	12.64	95	121923	44.44	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.88%

Target Compounds

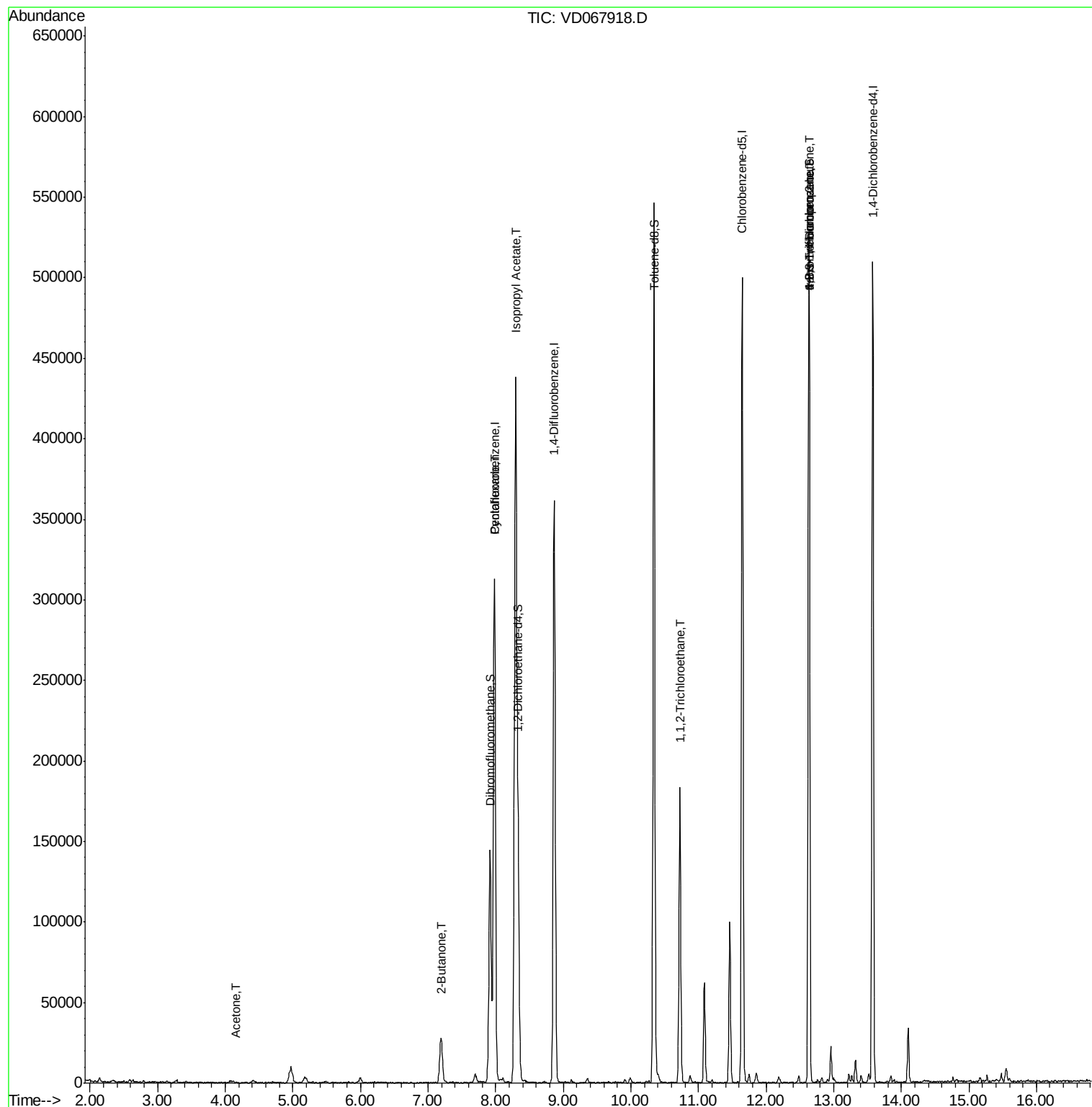
					Qvalue	
11) Tert butyl alcohol	5.18	59	2183	Below Cal	#	74
16) Acetone	4.15	43	409	1.280	ug/l #	47
18) Methyl Acetate	4.46	43	114	Below Cal	#	41
25) 2-Butanone	7.20	43	1429	4.251	ug/l #	36
31) Cyclohexane	7.98	56	5383	1.975	ug/l #	43
43) Isopropyl Acetate	8.29	43	8714	5.761	ug/l #	7
55) 1,1,2-Trichloroethane	10.73	97	2624	1.722	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	70291	66.651	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	70291	159.435	ug/l #	7

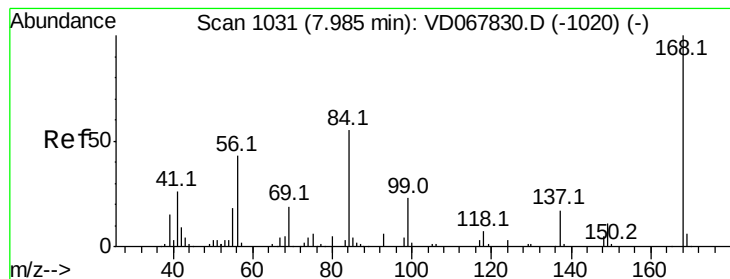
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD067918.D
Acq On : 09 Dec 2020 10:33
Operator : VA/SY
Sample : VD1209SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBL01

Quant Time: Dec 10 02:08:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067918.D

Acq: 09 Dec 2020 10:33

Instrument :

MSVOA_D

ClientSampleId :

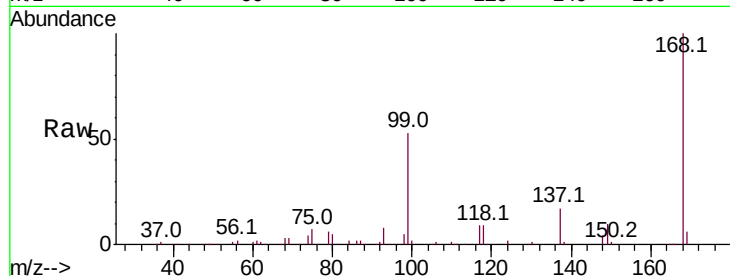
VD1209SBL01

Tot Ion:168 Resp: 240919

Ion Ratio Lower Upper

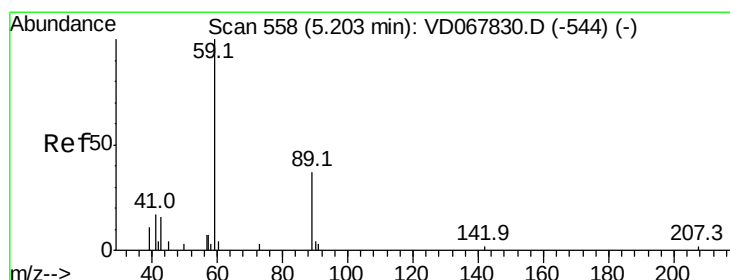
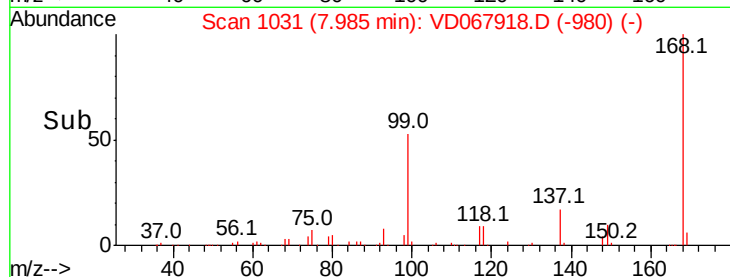
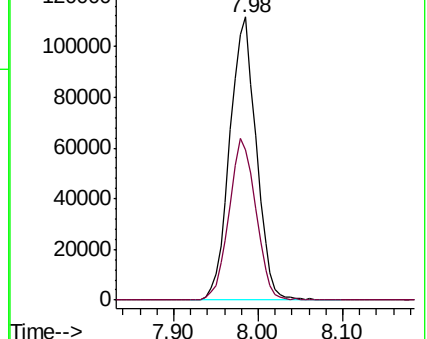
168 100

99 52.7 47.1 70.7



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: 5.18 min Scan# 554

Delta R.T. -0.02 min

Lab File: VD067918.D

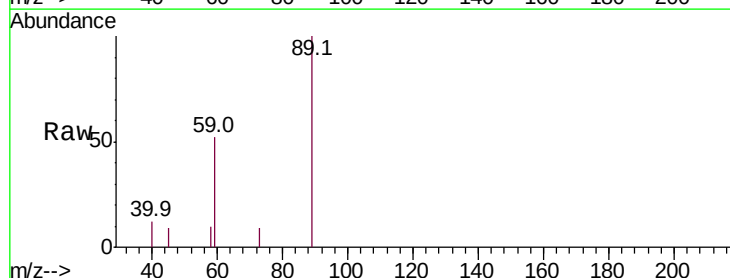
Acq: 09 Dec 2020 10:33

Tgt Ion: 59 Resp: 2183

Ion Ratio Lower Upper

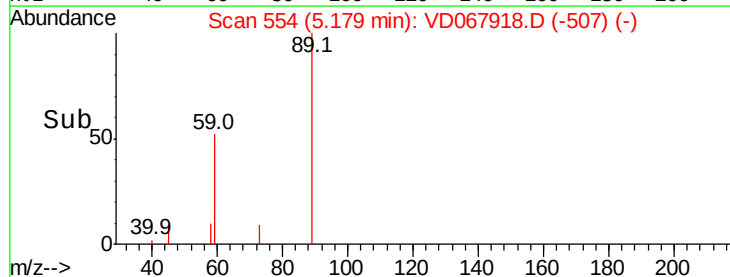
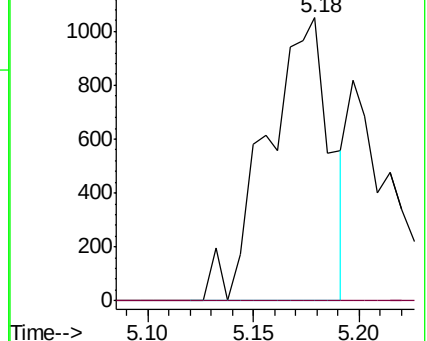
59 100

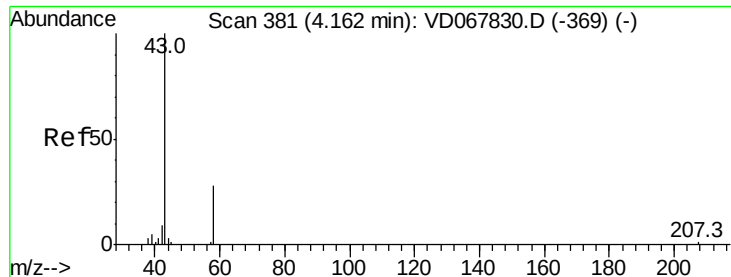
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.280 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067918.D

Acq: 09 Dec 2020 10:33

Instrument :

MSVOA_D

ClientSampleId :

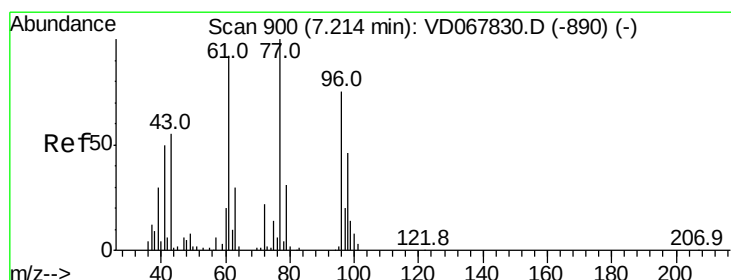
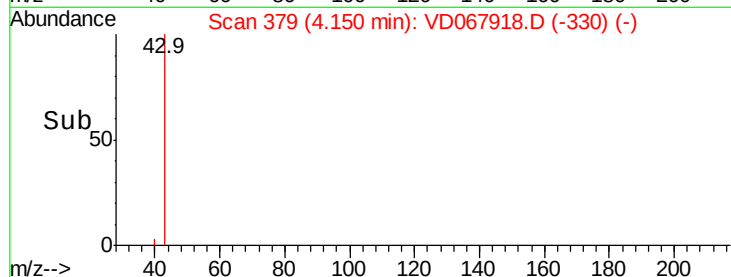
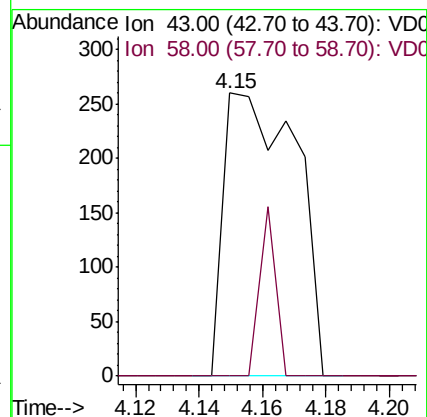
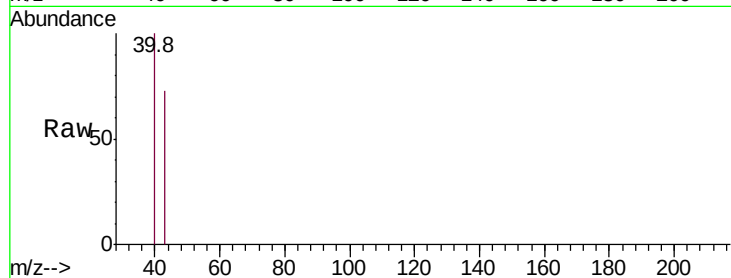
VD1209SBL01

Tot Ion: 43 Resp: 409

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#25

2-Butanone

Concen: 4.251 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067918.D

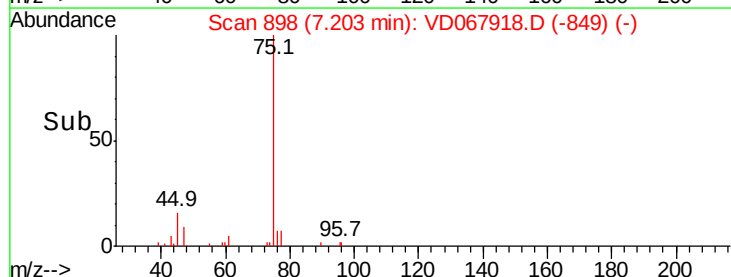
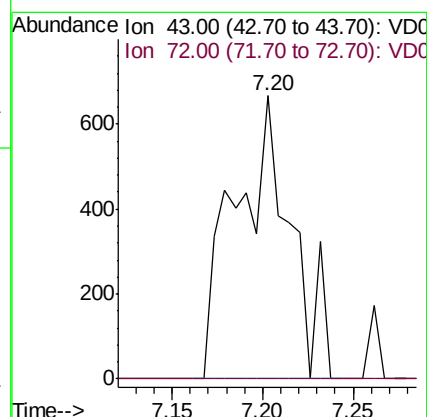
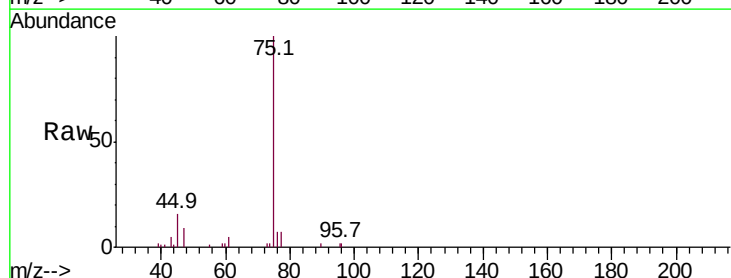
Acq: 09 Dec 2020 10:33

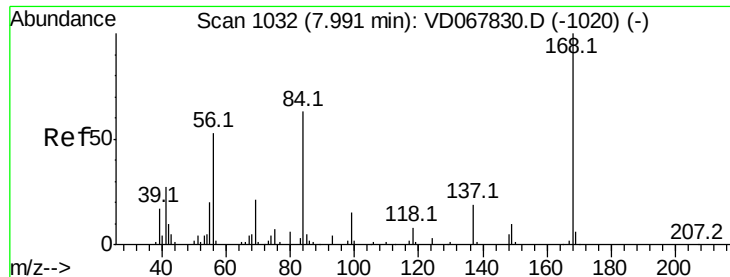
Tgt Ion: 43 Resp: 1429

Ion Ratio Lower Upper

43 100

72 0.0 31.3 46.9#

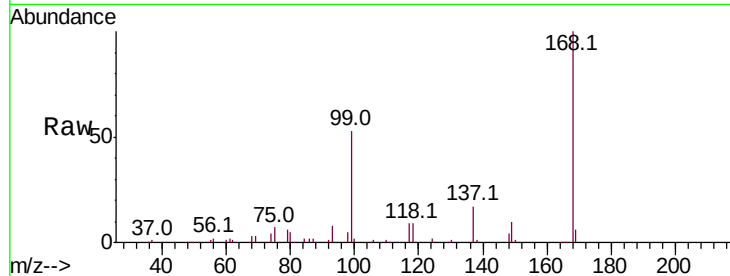




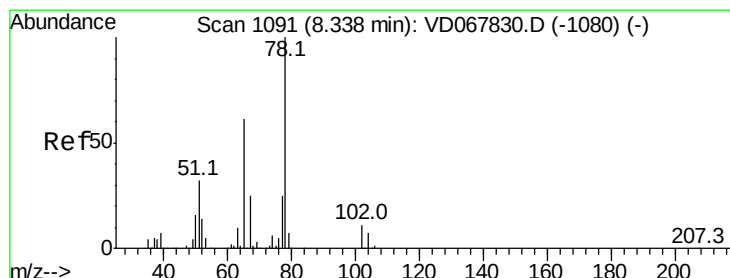
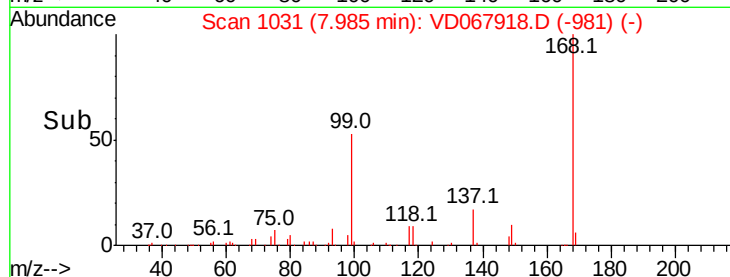
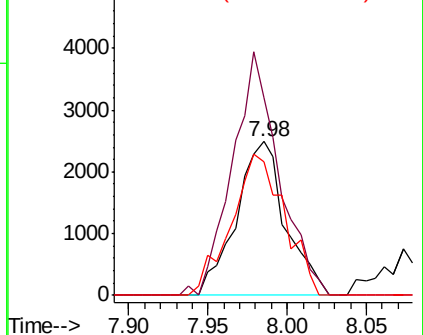
#31
Cyclohexane
Concen: 1.975 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBL01

Tot Ion: 56 Resp: 5383
Ion Ratio Lower Upper
56 100
69 128.6 32.1 48.1#
84 87.2 93.2 139.8#

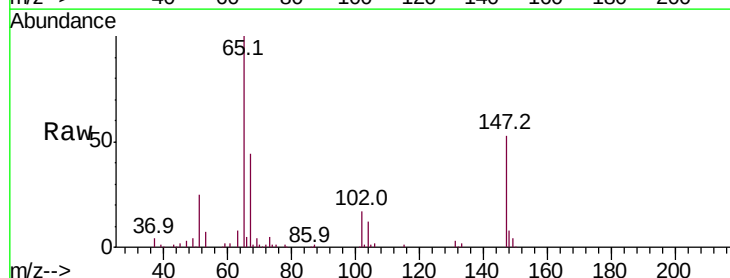


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

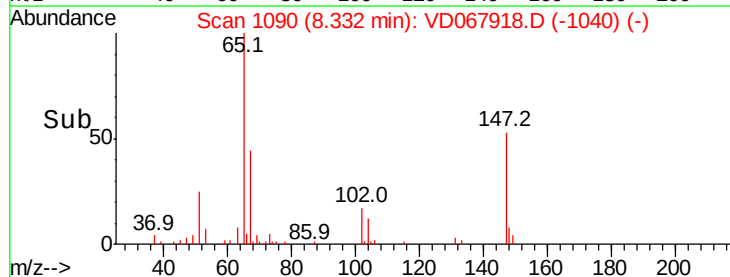
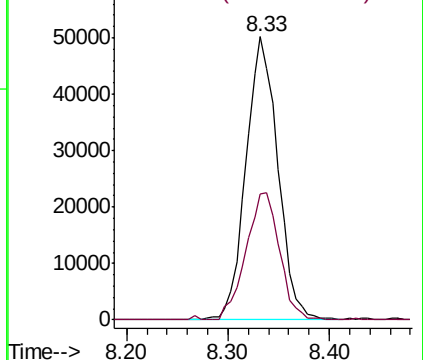


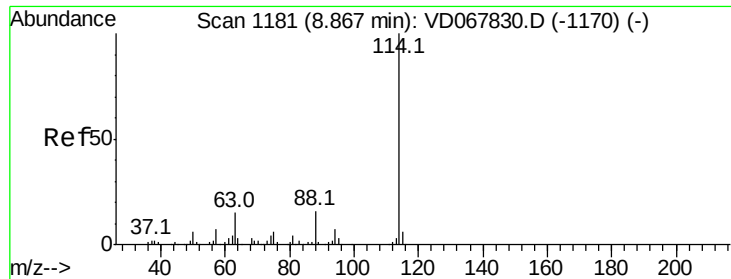
#33
1,2-Dichloroethane-d4
Concen: 42.482 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Tgt Ion: 65 Resp: 109873
Ion Ratio Lower Upper
65 100
67 47.0 0.0 92.0



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

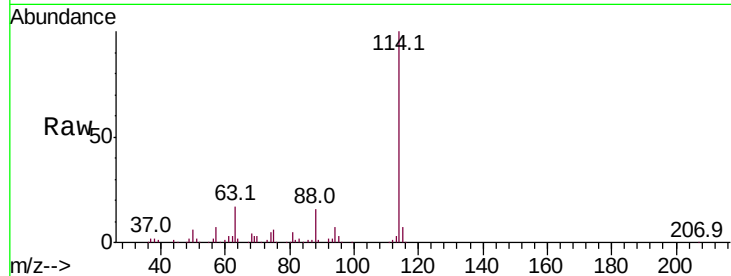




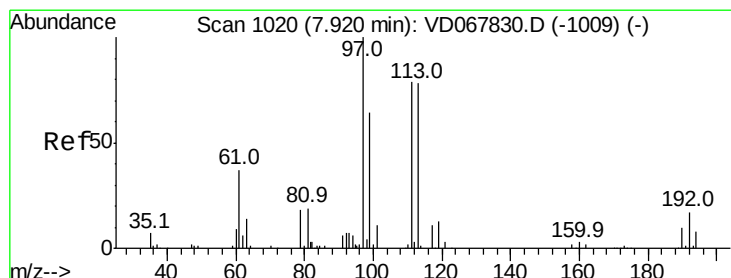
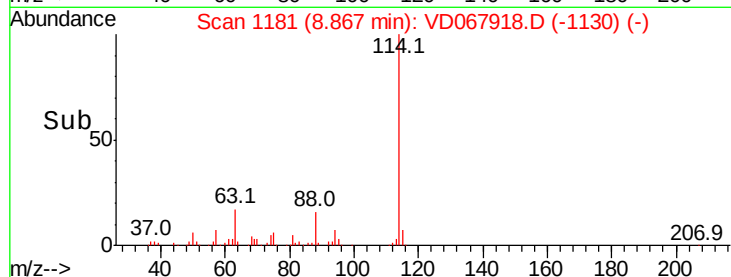
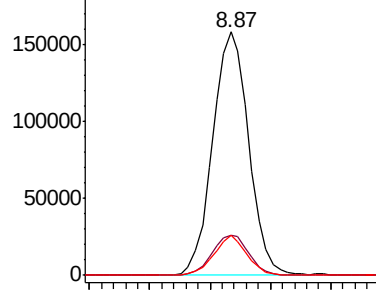
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBL01

Tot Ion:114 Resp: 329456
Ion Ratio Lower Upper
114 100
63 16.5 0.0 30.8
88 16.2 0.0 31.8

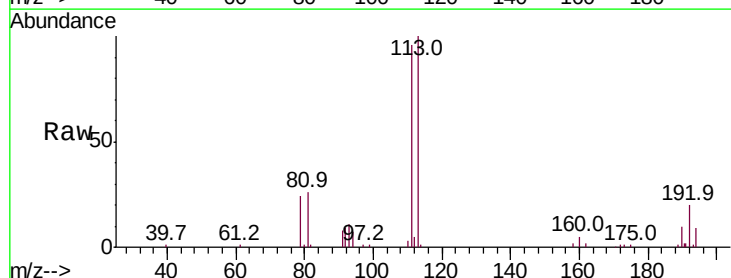


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

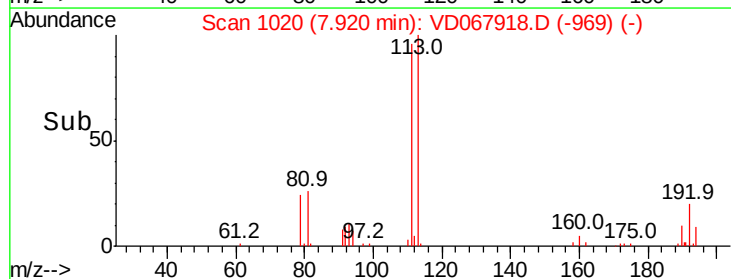
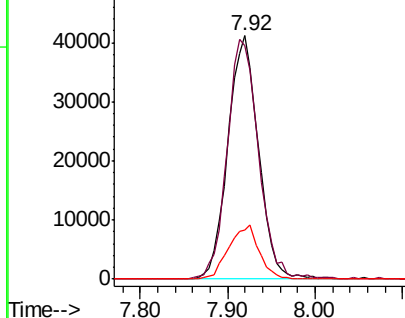


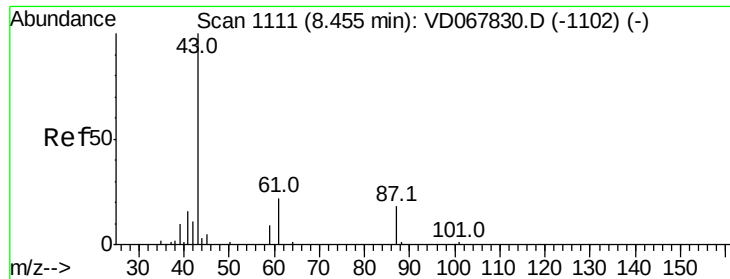
#35
Dibromofluoromethane
Concen: 44.357 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Tgt Ion:113 Resp: 97786
Ion Ratio Lower Upper
113 100
111 100.7 81.2 121.8
192 21.8 16.8 25.2



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





#43

Isopropyl Acetate

Concen: 5.761 ug/l

RT: 8.29 min Scan# 1083

Delta R.T. -0.16 min

Lab File: VD067918.D

Acq: 09 Dec 2020 10:33

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBL01

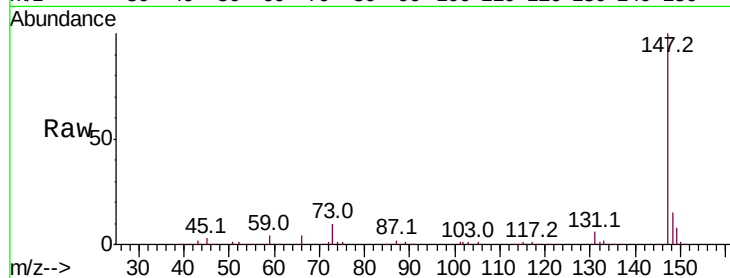
Tot Ion: 43 Resp: 8714

Ion Ratio Lower Upper

43 100

61 16.9 30.4 45.6#

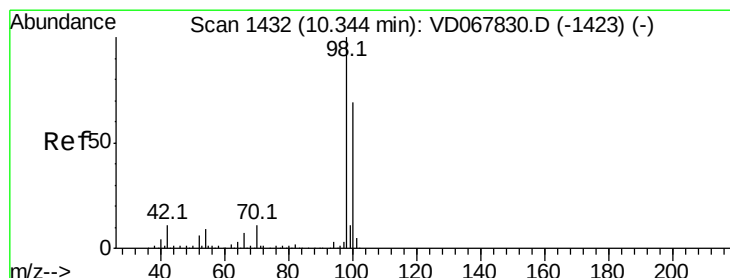
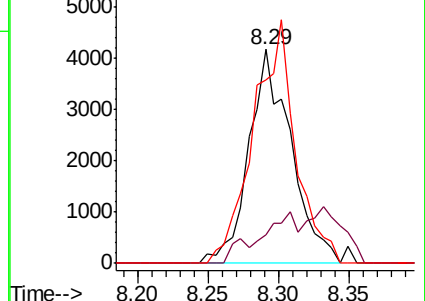
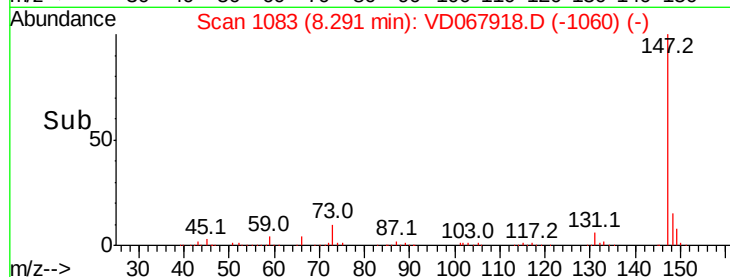
87 113.3 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 46.616 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067918.D

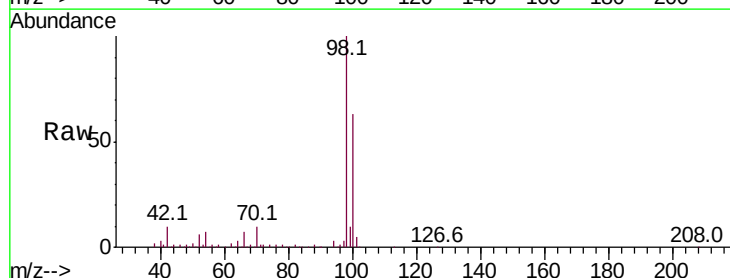
Acq: 09 Dec 2020 10:33

Tgt Ion: 98 Resp: 369941

Ion Ratio Lower Upper

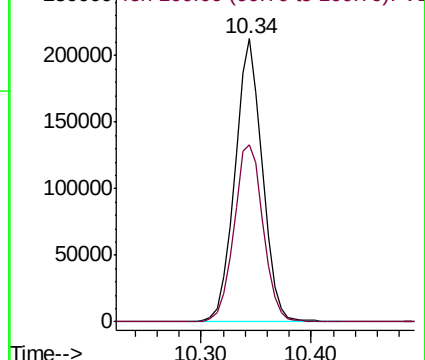
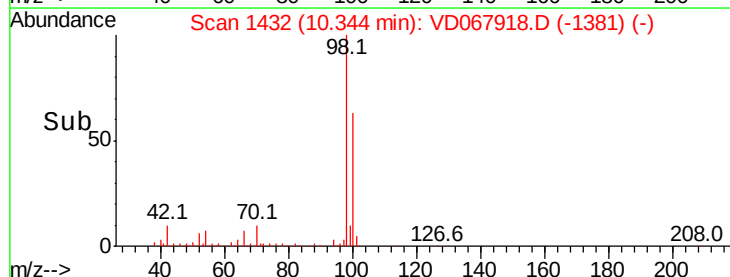
98 100

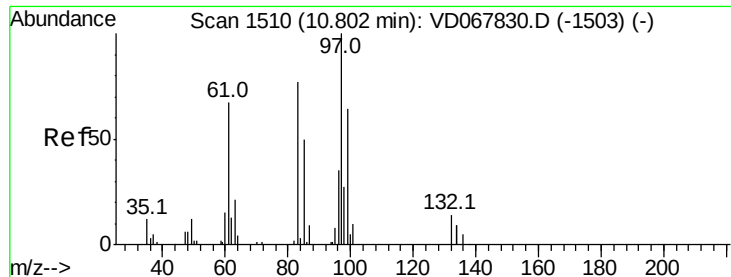
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

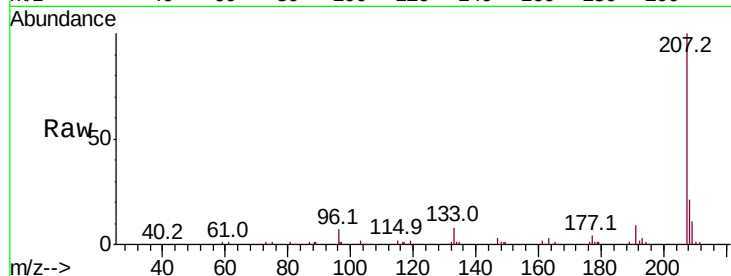




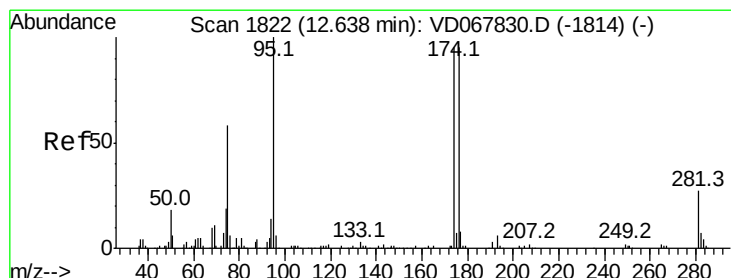
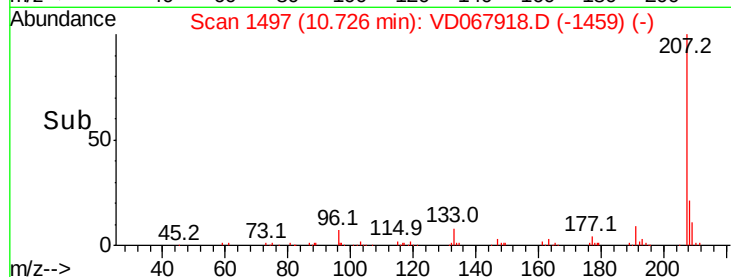
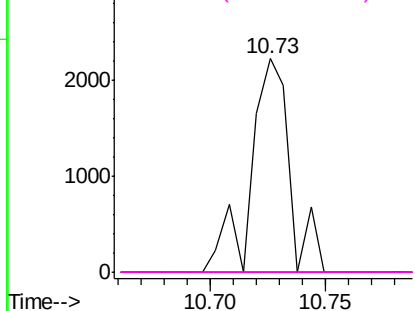
#55
 1,1,2-Trichloroethane
 Concen: 1.722 ug/l
 RT: 10.73 min Scan# 1497
 Delta R.T. -0.08 min
 Lab File: VD067918.D
 Acq: 09 Dec 2020 10:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBL01

Tot Ion: 97 Resp: 2624
 Ion Ratio Lower Upper
 97 100
 83 0.0 61.9 92.9#
 85 0.0 40.2 60.4#
 99 0.0 51.0 76.6#

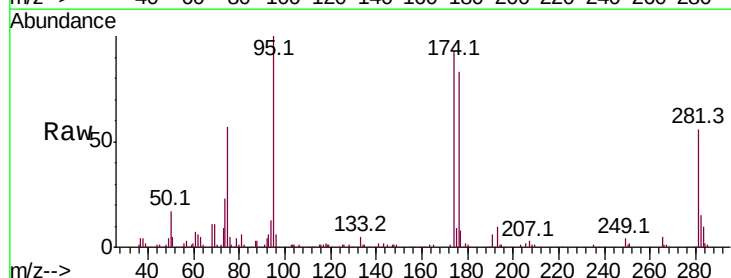


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

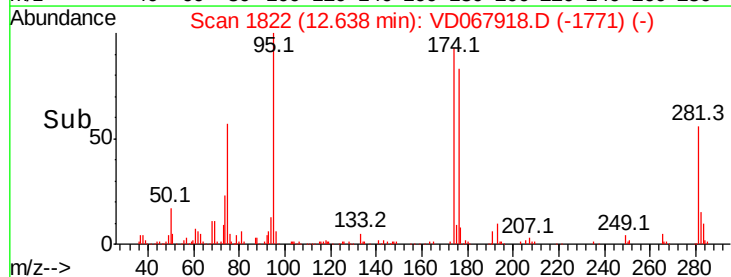
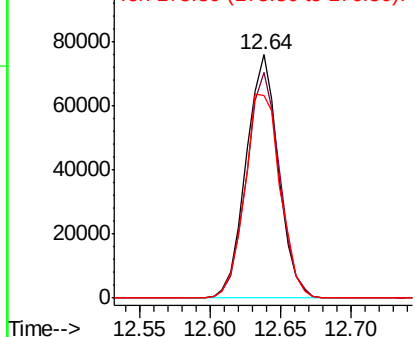


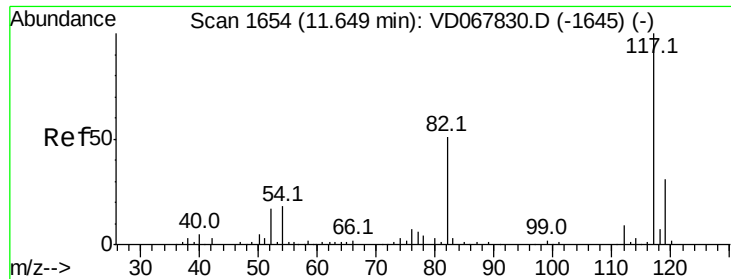
#62
 4-Bromofluorobenzene
 Concen: 44.438 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067918.D
 Acq: 09 Dec 2020 10:33

Tgt Ion: 95 Resp: 121923
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 186.0
 176 92.0 0.0 184.2



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

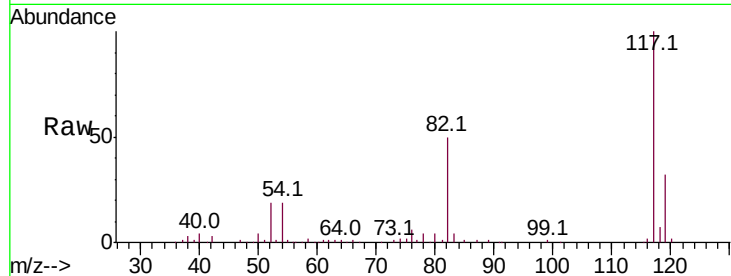




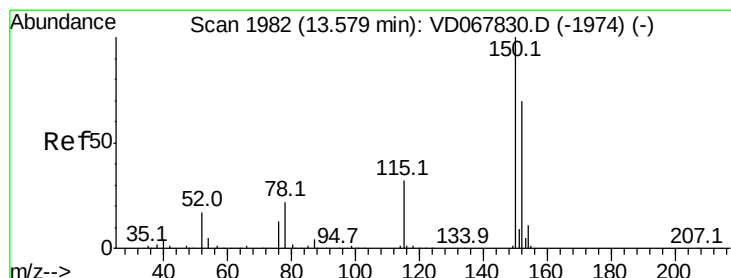
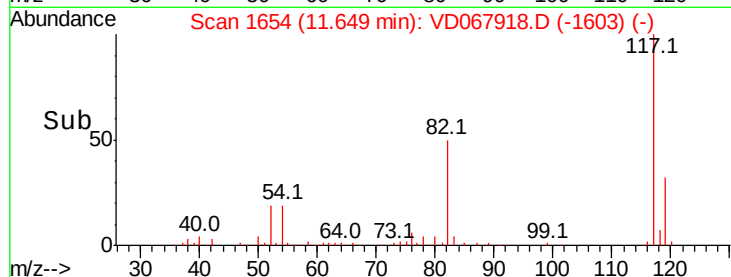
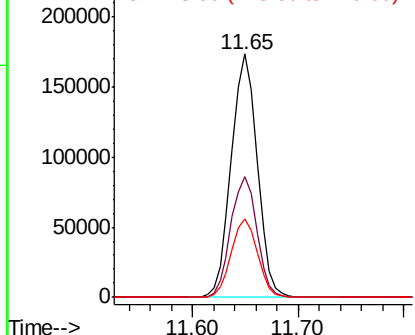
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBL01

Tot Ion:117 Resp: 295569
Ion Ratio Lower Upper
117 100
82 49.5 40.6 60.8
119 32.3 25.1 37.7

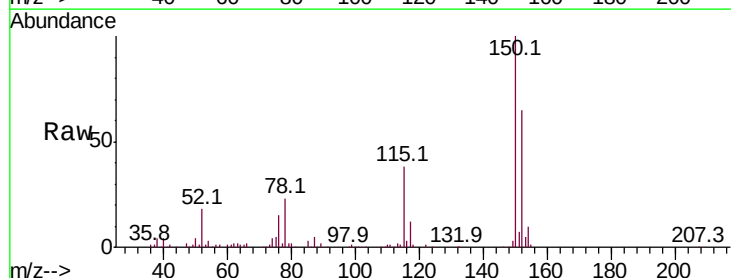


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

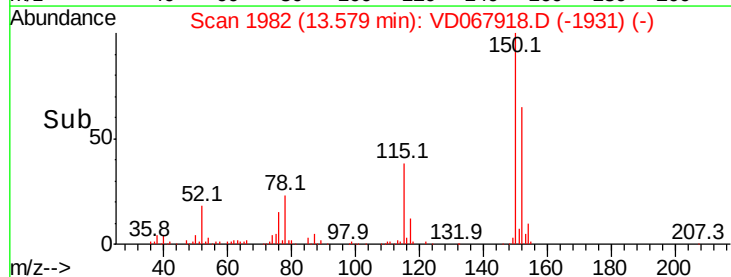
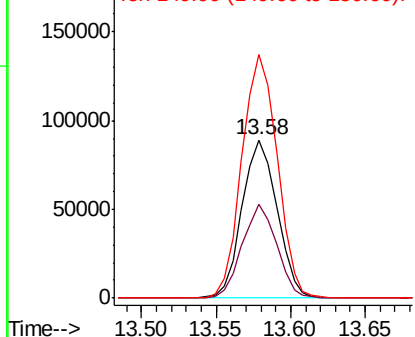


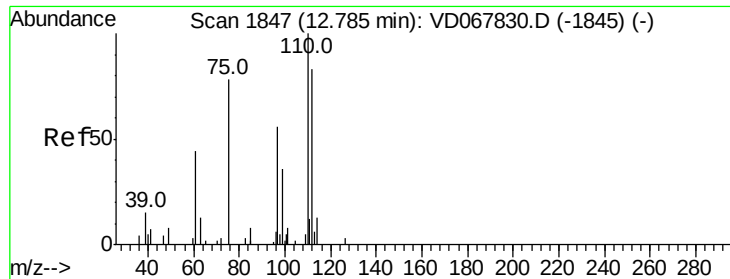
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067918.D
Acq: 09 Dec 2020 10:33

Tgt Ion:152 Resp: 144819
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 155.5 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 66.651 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067918.D

Acq: 09 Dec 2020 10:33

Instrument :

MSVOA_D

ClientSampleId :

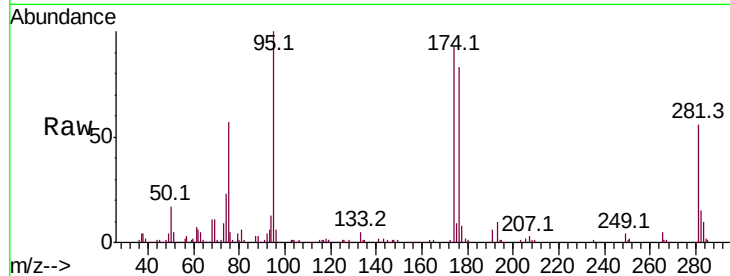
VD1209SBL01

Tot Ion: 75 Resp: 70291

Ion Ratio Lower Upper

75 100

77 1.2 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

40000

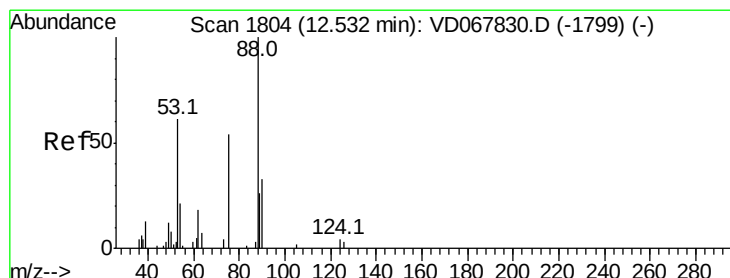
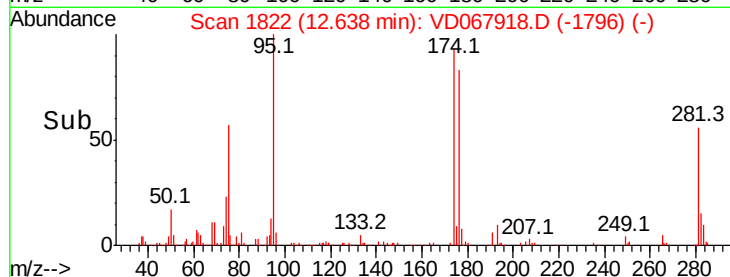
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 159.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067918.D

Acq: 09 Dec 2020 10:33

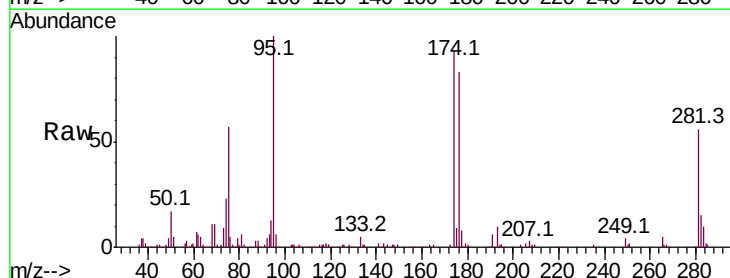
Tgt Ion: 75 Resp: 70291

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.7 41.0 61.6#



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

12.64

60000

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

