

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067867.D
 Acq On : 03 Dec 2020 14:38
 Operator : VA/SY
 Sample : L4935-01
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-12220

Quant Time: Dec 04 01:08:44 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	35385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	49207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	48963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	25881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	25169	66.26	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.52%
35) Dibromofluoromethane	7.92	113	15929	48.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.76%
50) Toluene-d8	10.34	98	55633	46.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.88%
62) 4-Bromofluorobenzene	12.64	95	19182	46.81	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.62%

Target Compounds

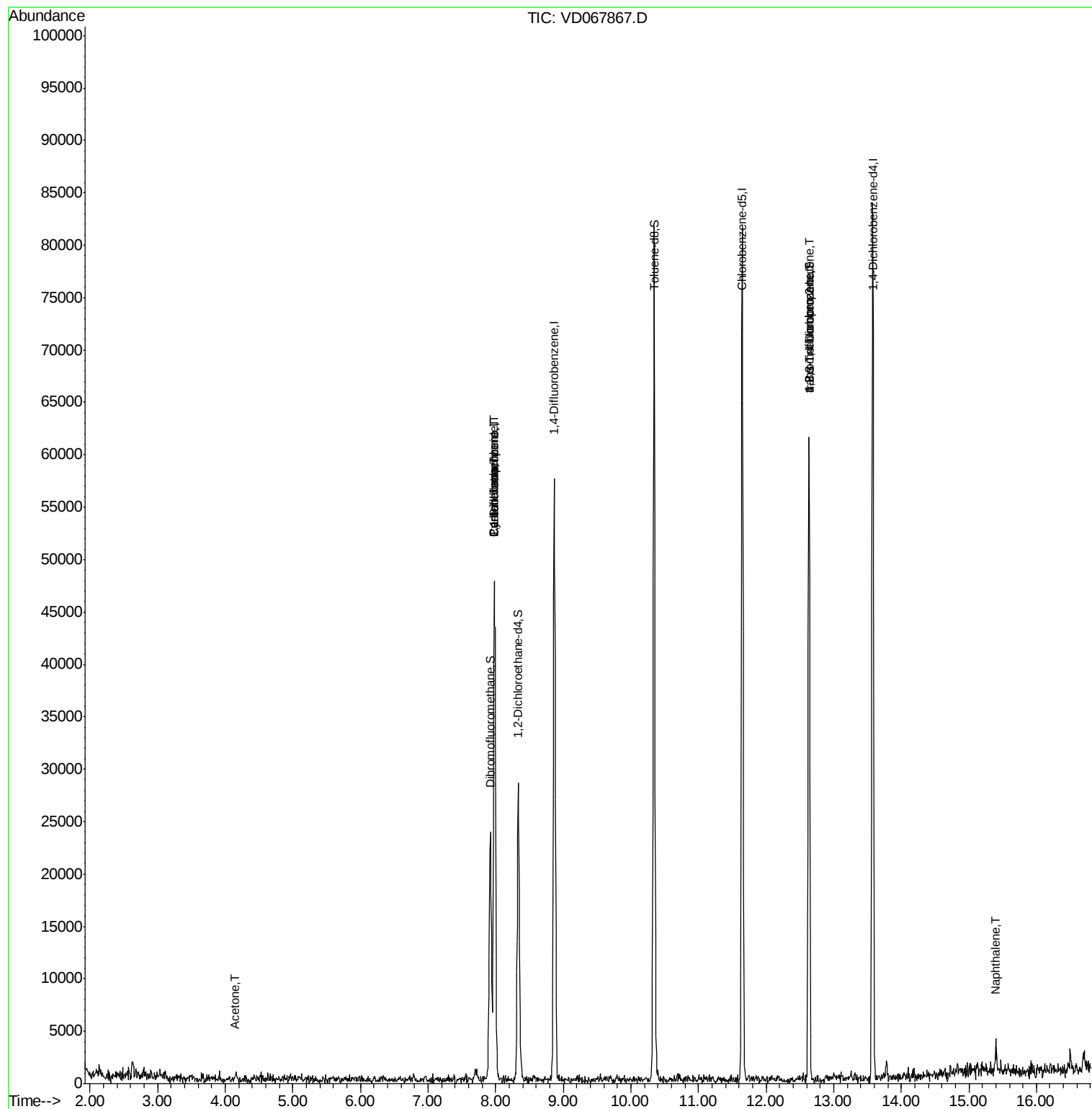
	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	1169	24.904	ug/l #	47
20) Methylene Chloride	4.96	84	257	Below Cal	#	58
31) Cyclohexane	7.98	56	824	2.059	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	2931	6.881	ug/l #	40
38) Carbon Tetrachloride	7.98	117	4190	6.501	ug/l #	10
76) 1,2,3-Trichloropropane	12.63	75	10625	56.374	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	10625	134.852	ug/l #	7
95) Naphthalene	15.40	128	3388	4.021	ug/l #	74

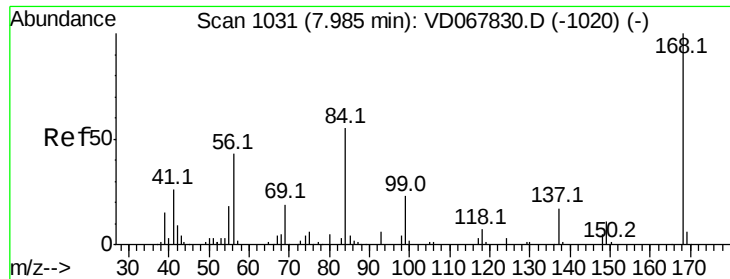
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120320\
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Acq On : 03 Dec 2020 14:38
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Misc : 7.12G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-12220

Quant Time: Dec 04 01:08:44 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: VD067867.D

Acq: 03 Dec 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

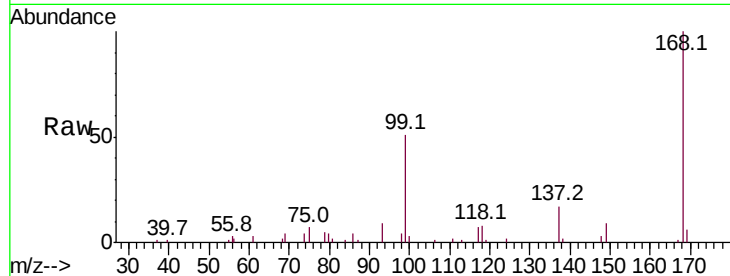
OK-02-12220

Tot Ion:168 Resp: 35385

Ion Ratio Lower Upper

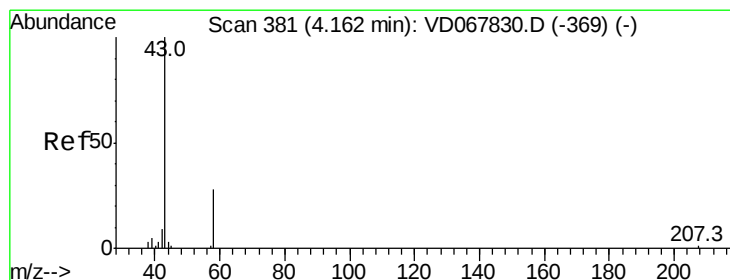
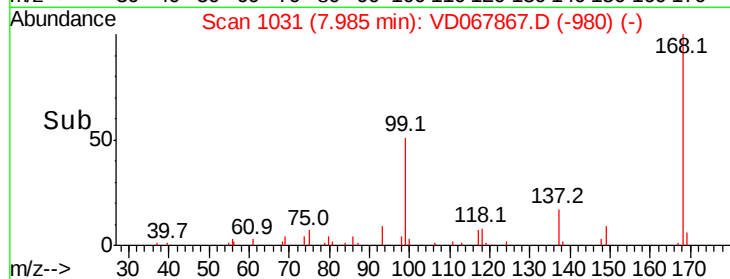
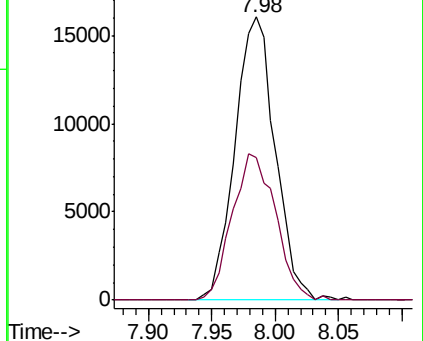
168 100

99 50.6 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 24.904 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067867.D

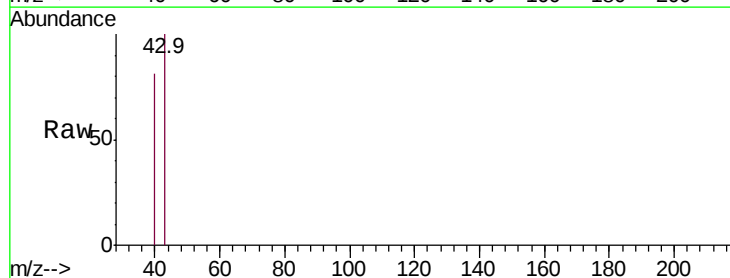
Acq: 03 Dec 2020 14:38

Tgt Ion: 43 Resp: 1169

Ion Ratio Lower Upper

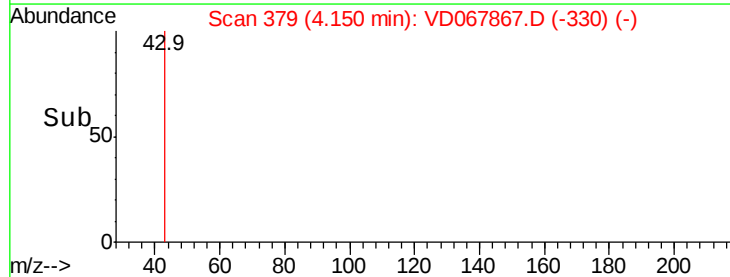
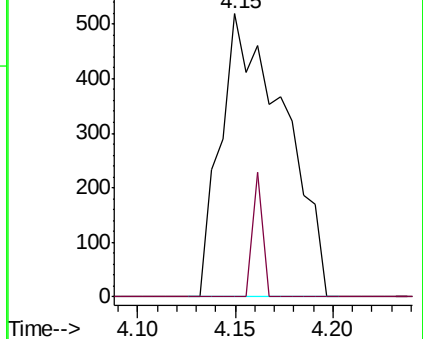
43 100

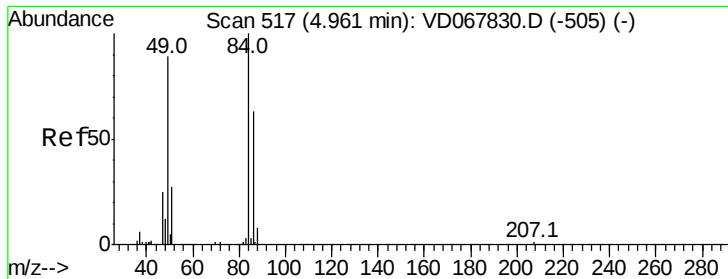
58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



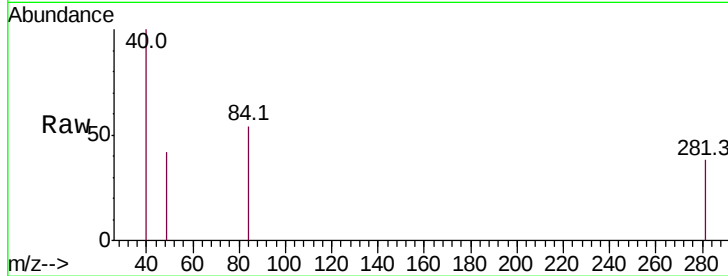


#20

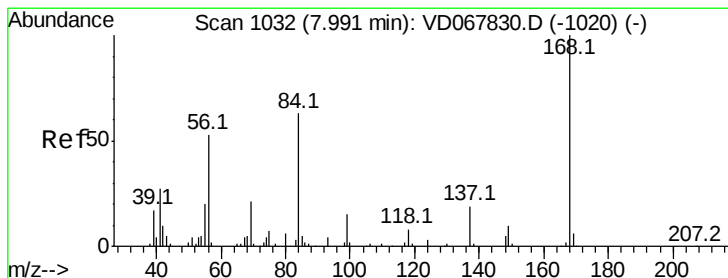
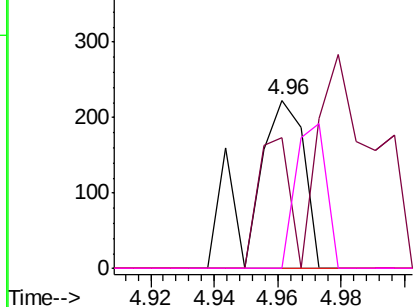
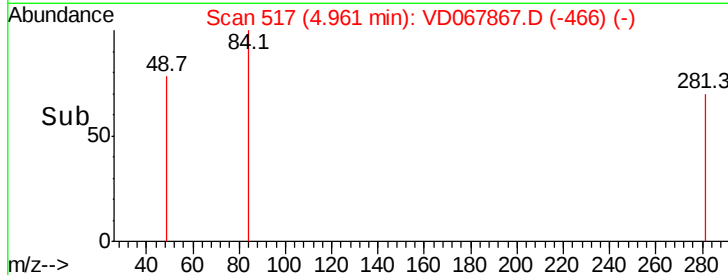
Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067867.D
 Acq: 03 Dec 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-12220

Tot Ion: 84 Resp: 257
 Ion Ratio Lower Upper
 84 100
 49 78.0 71.4 107.0
 51 0.0 21.8 32.8#
 86 0.0 50.6 75.8#



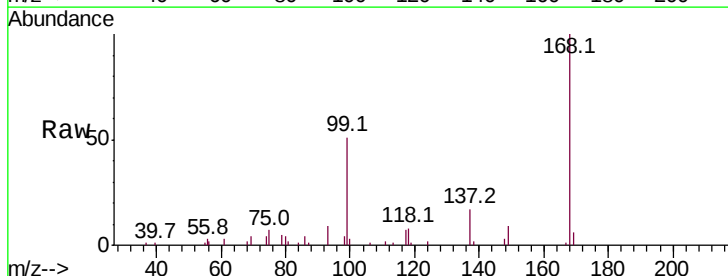
Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



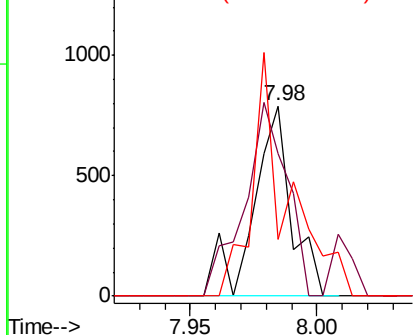
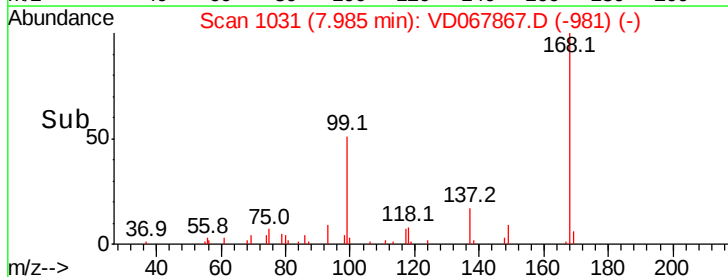
#31

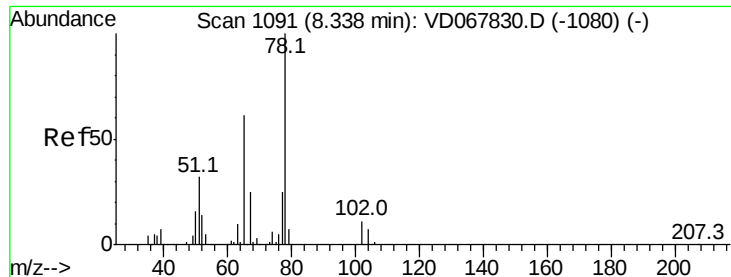
Cyclohexane
 Concen: 2.059 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD067867.D
 Acq: 03 Dec 2020 14:38

Tgt Ion: 56 Resp: 824
 Ion Ratio Lower Upper
 56 100
 69 74.9 32.1 48.1#
 84 30.1 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: 66.256 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067867.D

Acq: 03 Dec 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

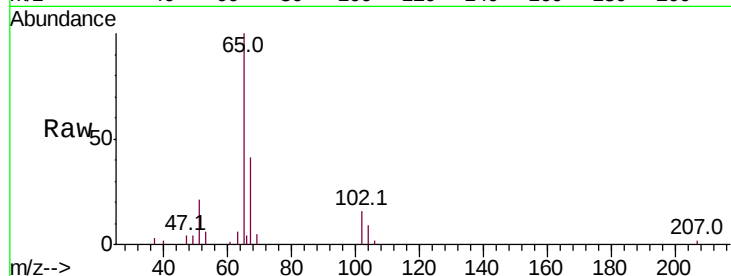
OK-02-12220

Tot Ion: 65 Resp: 25169

Ion Ratio Lower Upper

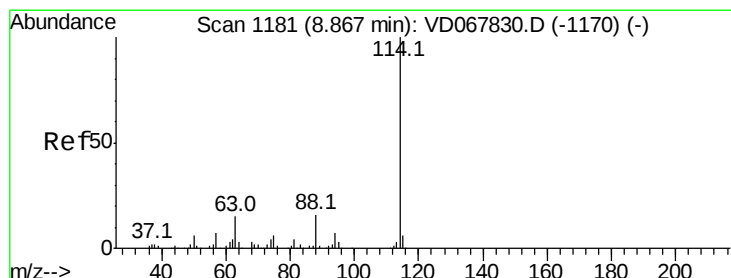
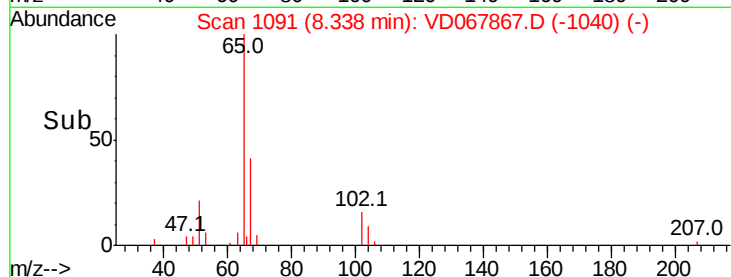
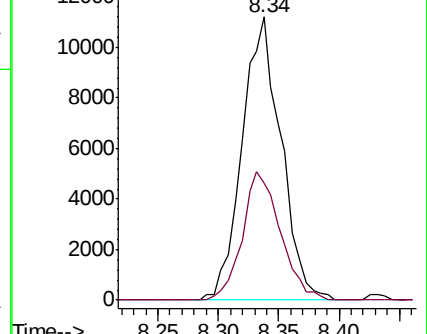
65 100

67 44.4 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: VD067867.D

Acq: 03 Dec 2020 14:38

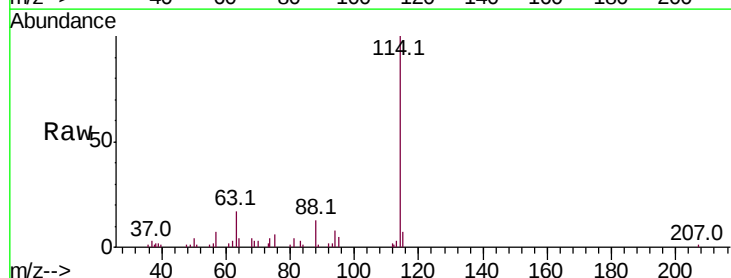
Tgt Ion: 114 Resp: 49207

Ion Ratio Lower Upper

114 100

63 17.2 0.0 30.8

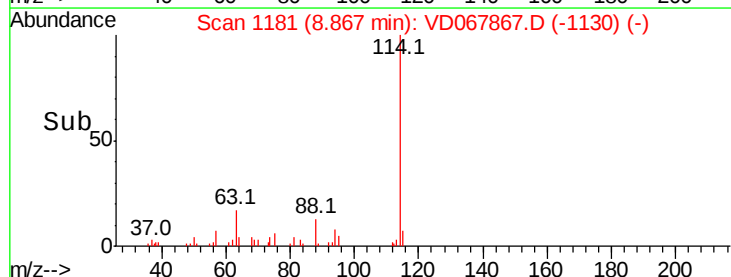
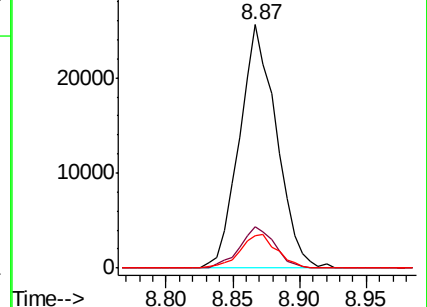
88 13.3 0.0 31.8

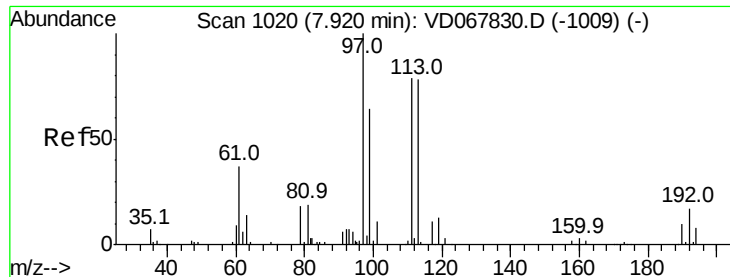


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

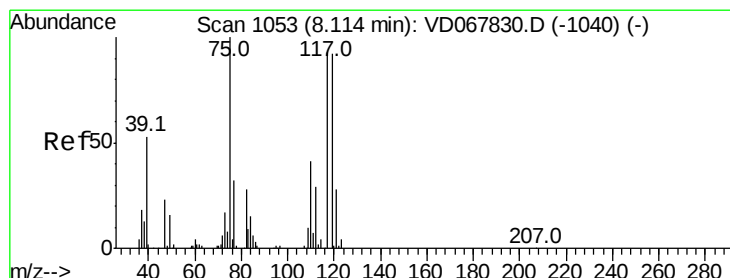
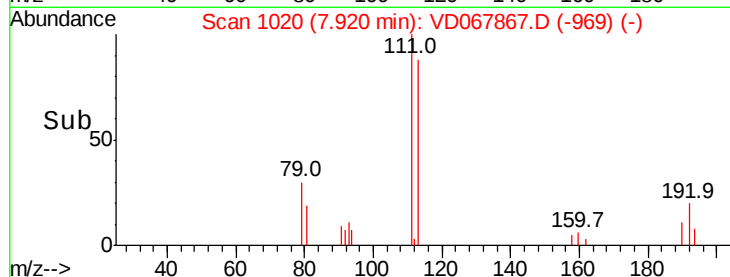
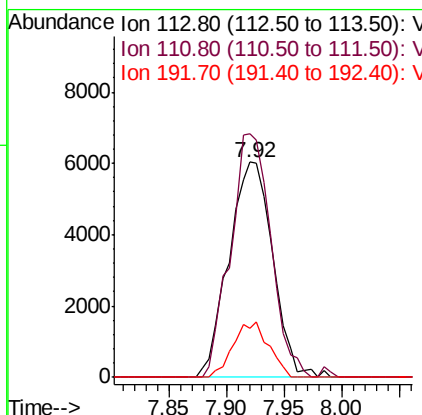
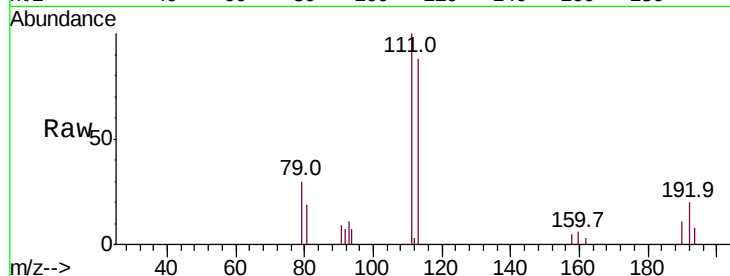




#35
 Dibromofluoromethane
 Concen: 48.377 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067867.D
 Acq: 03 Dec 2020 14:38

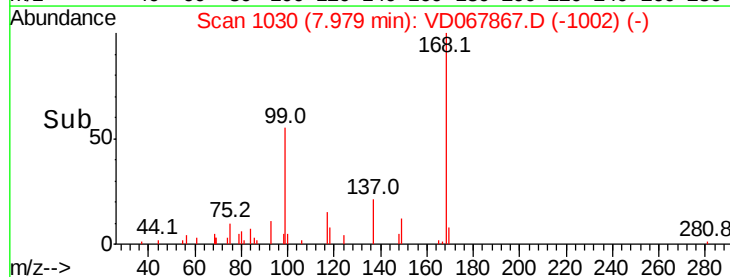
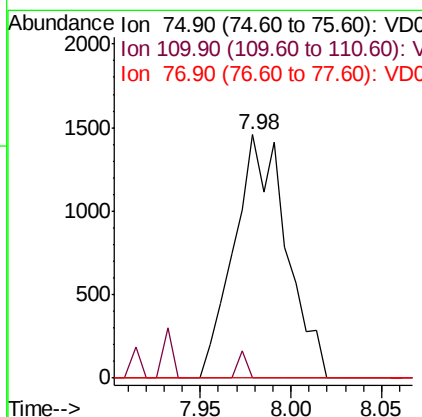
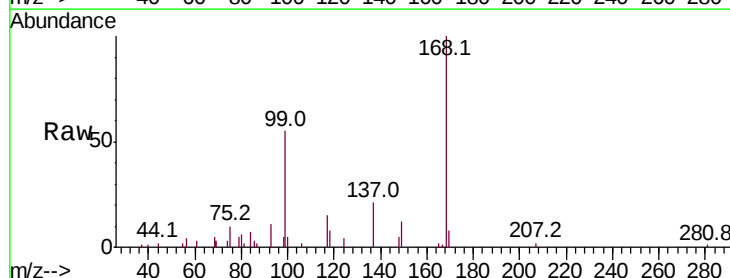
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-12220

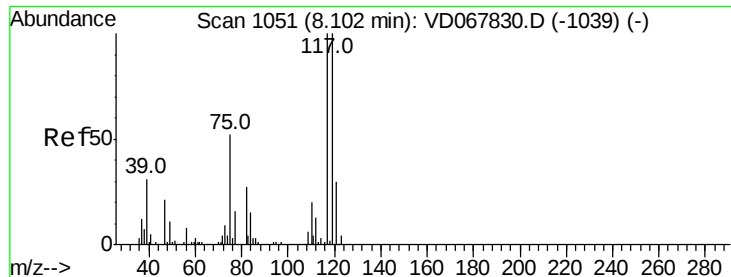
Tot Ion:113 Resp: 15929
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.2 121.8
 192 20.6 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 6.881 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067867.D
 Acq: 03 Dec 2020 14:38

Tgt Ion: 75 Resp: 2931
 Ion Ratio Lower Upper
 75 100
 110 2.0 20.3 61.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.501 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067867.D

Acq: 03 Dec 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

OK-02-12220

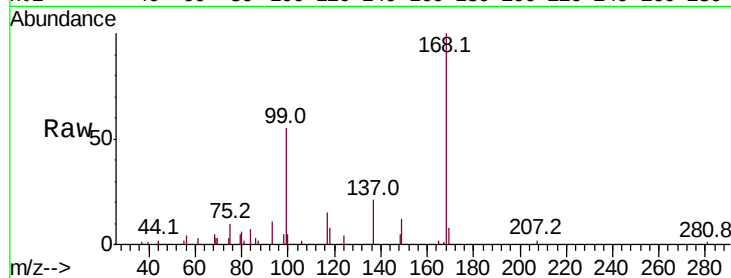
Tot Ion:117 Resp: 4190

Ion Ratio Lower Upper

117 100

119 0.0 79.7 119.5#

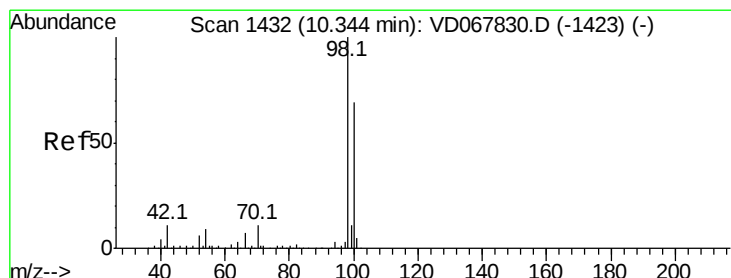
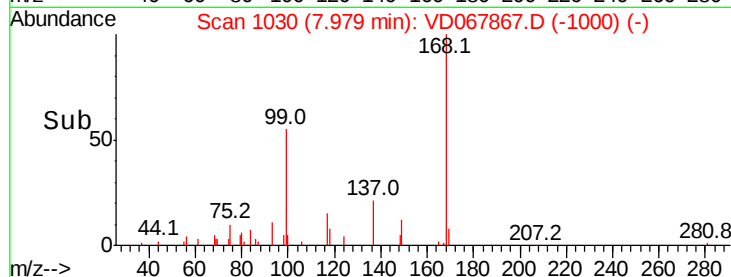
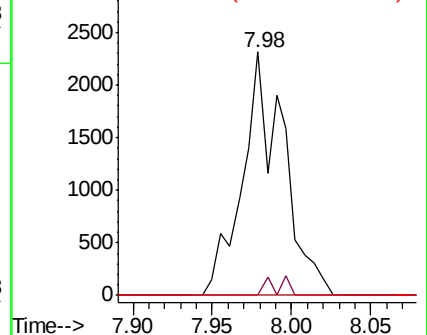
121 0.0 23.8 35.6#



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: 46.936 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067867.D

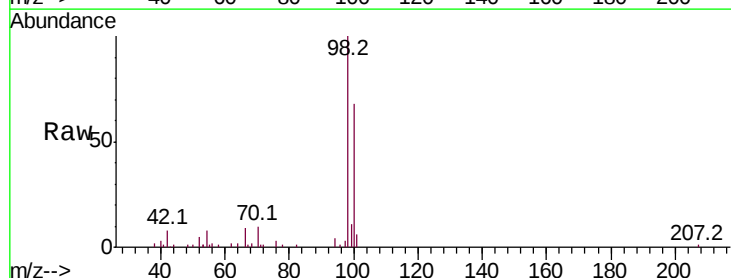
Acq: 03 Dec 2020 14:38

Tgt Ion: 98 Resp: 55633

Ion Ratio Lower Upper

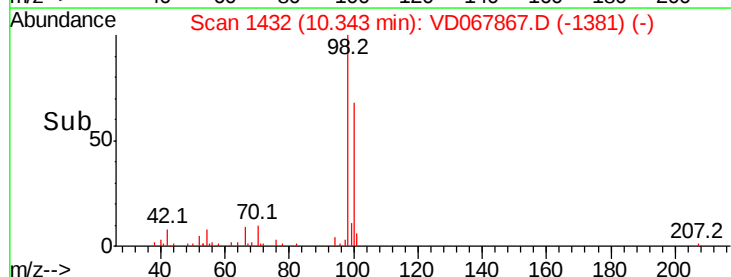
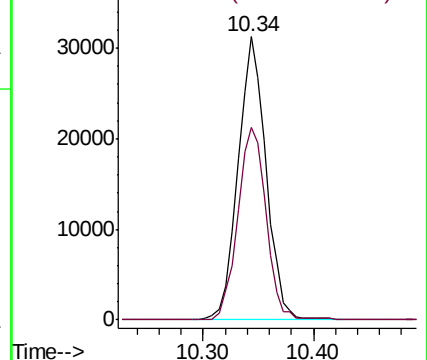
98 100

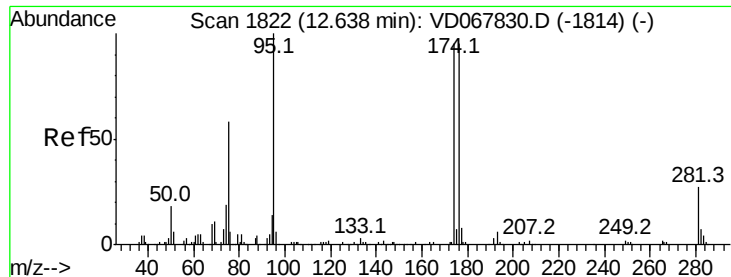
100 69.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

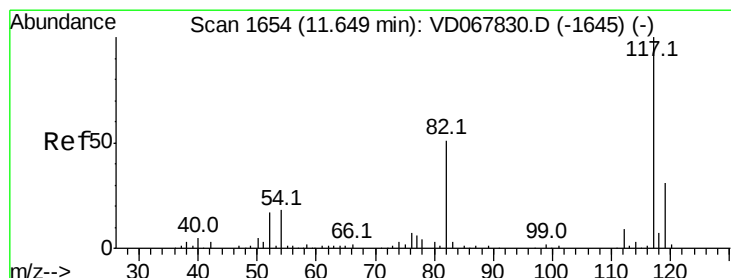
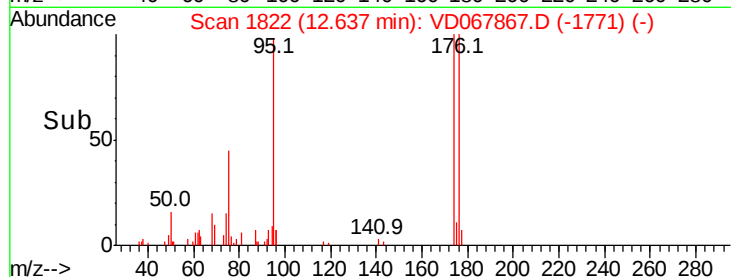
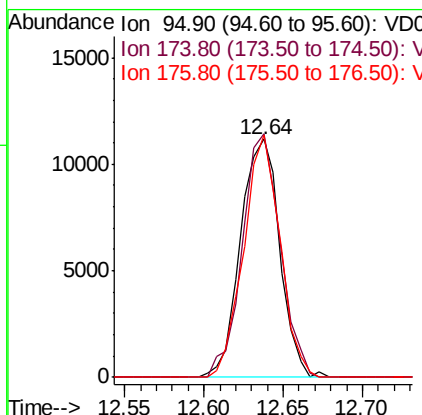
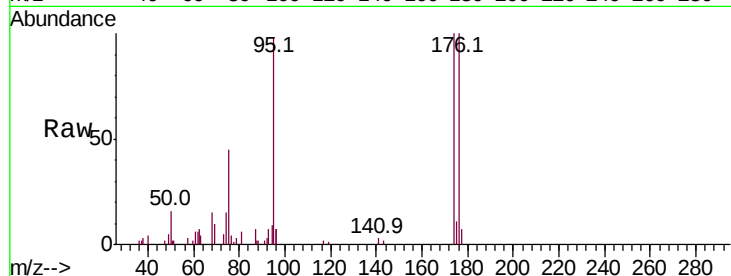




#62
4-Bromofluorobenzene
Concen: 46.809 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067867.D
Acq: 03 Dec 2020 14:38

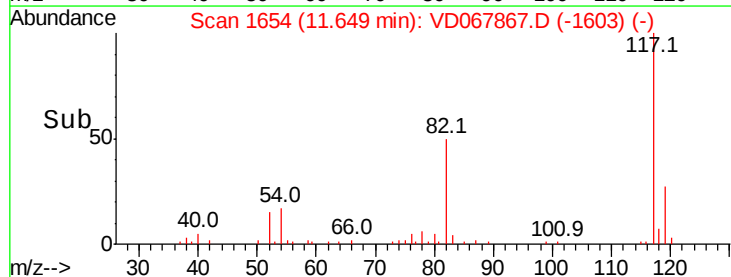
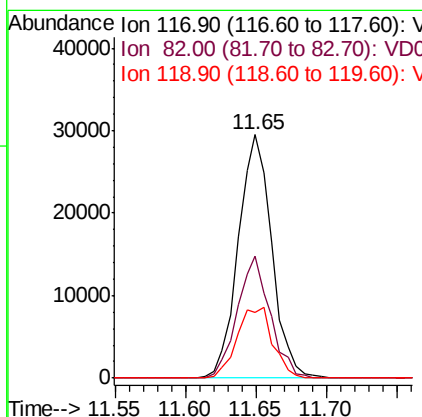
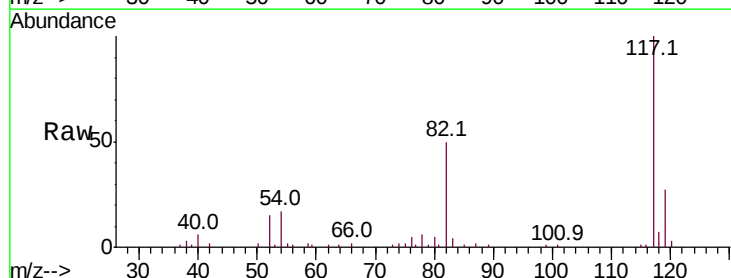
Instrument :
MSVOA_D
ClientSampleId :
OK-02-12220

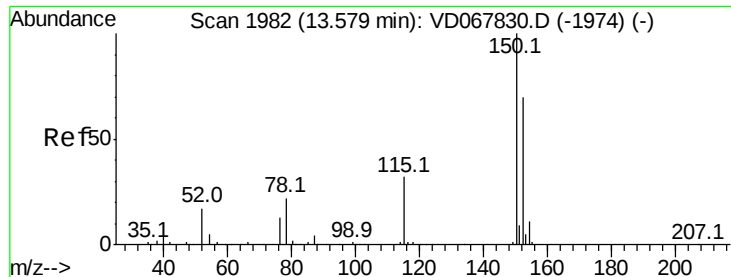
Tot Ion: 95 Resp: 19182
Ion Ratio Lower Upper
95 100
174 99.0 0.0 186.0
176 94.3 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067867.D
Acq: 03 Dec 2020 14:38

Tgt Ion: 117 Resp: 48963
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 27.0 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067867.D

Acq: 03 Dec 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

OK-02-12220

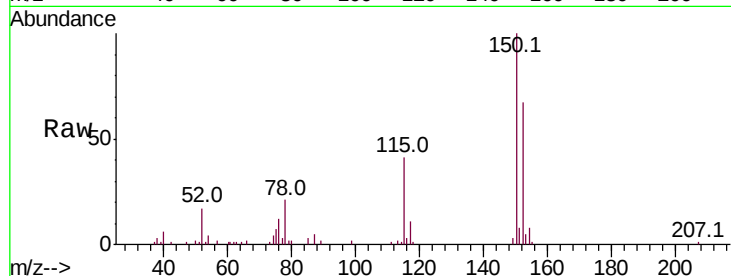
Tot Ion:152 Resp: 25881

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.4

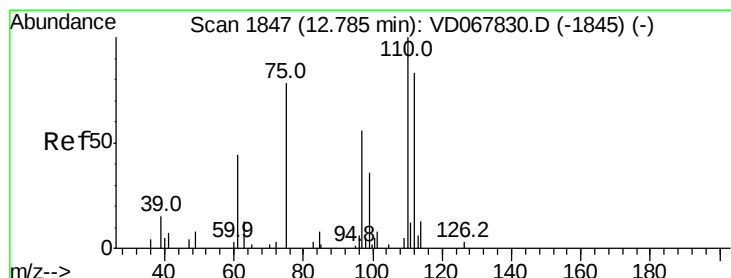
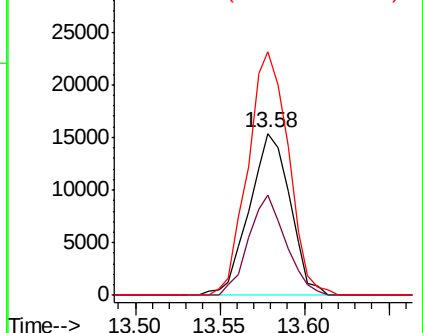
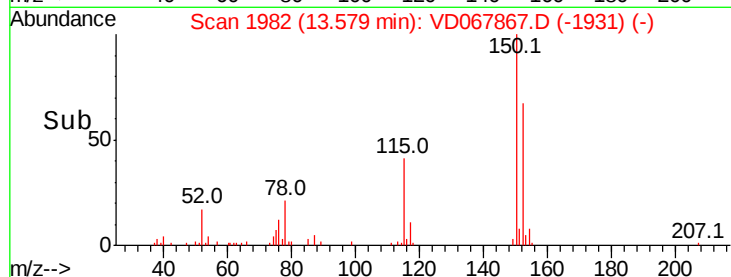
150 149.0 0.0 339.0



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: 56.374 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067867.D

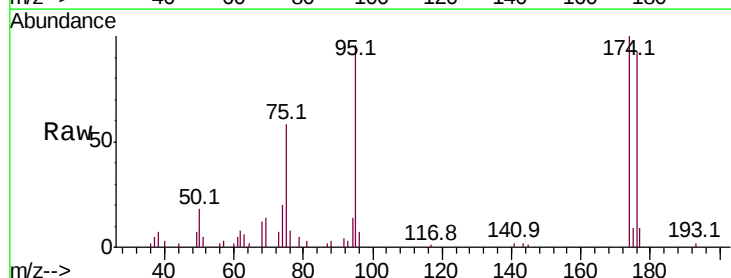
Acq: 03 Dec 2020 14:38

Tgt Ion: 75 Resp: 10625

Ion Ratio Lower Upper

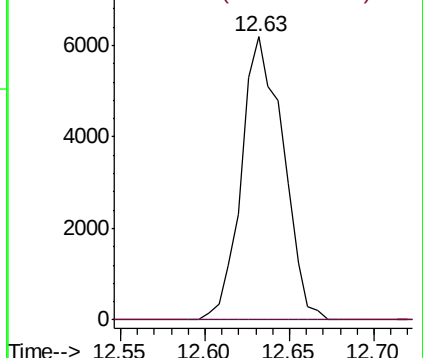
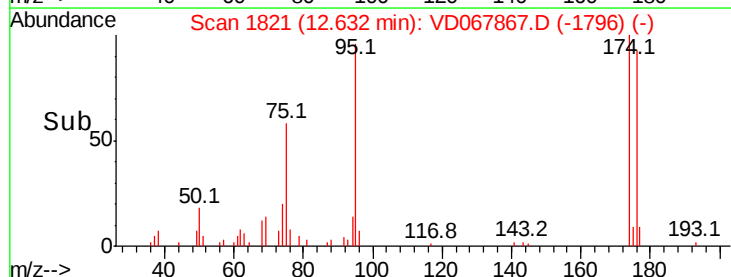
75 100

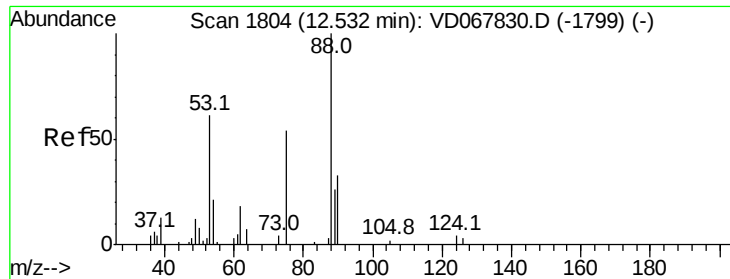
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 134.852 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067867.D

Acq: 03 Dec 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

OK-02-12220

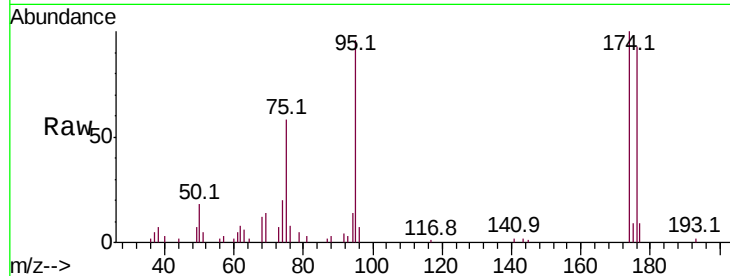
Tot Ion: 75 Resp: 10625

Ion Ratio Lower Upper

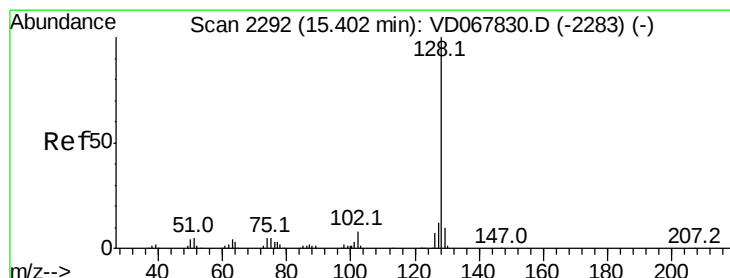
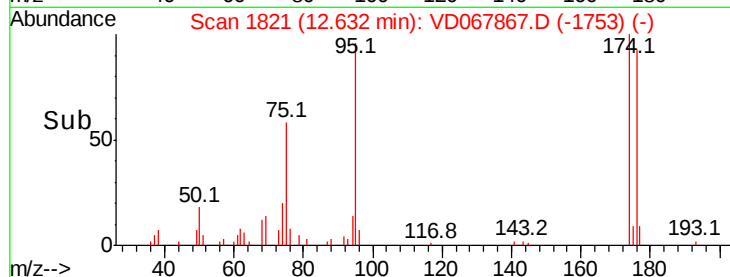
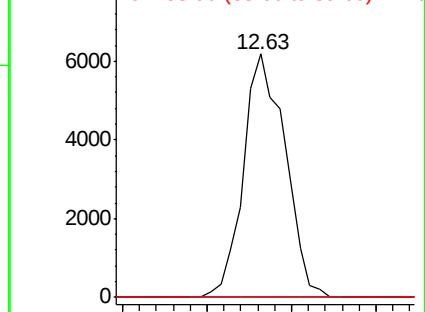
75 100

53 0.0 84.6 127.0#

89 0.0 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



#95

Naphthalene

Concen: 4.021 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.01 min

Lab File: VD067867.D

Acq: 03 Dec 2020 14:38

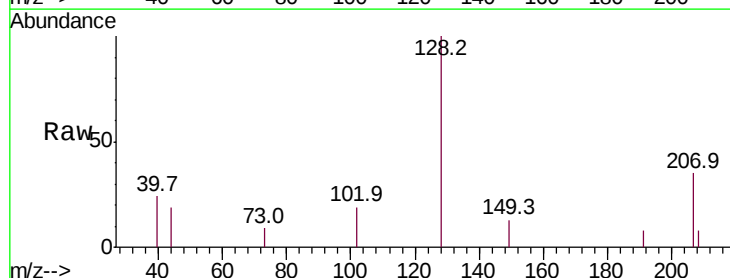
Tgt Ion:128 Resp: 3388

Ion Ratio Lower Upper

128 100

127 4.0 10.6 15.8#

129 0.0 9.0 13.6#



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

