

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067898.D
 Acq On : 07 Dec 2020 14:36
 Operator : VA/SY
 Sample : L4970-14
 Misc : 7.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 4S1-D-BOTTOM

Quant Time: Dec 08 03:14:09 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	7.99	168	208680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	290307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	243917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	91873	50.00	ug/l	0.00

System Monitoring Compounds

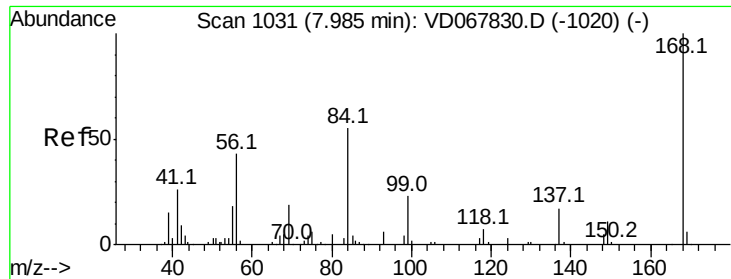
33) 1,2-Dichloroethane-d4	8.34	65	102843	45.91	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.82%
35) Dibromofluoromethane	7.92	113	87463	45.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.04%
50) Toluene-d8	10.34	98	325668	46.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.14%
62) 4-Bromofluorobenzene	12.64	95	94924	39.26	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.52%

Target Compounds

					Qvalue	
11) Tert butyl alcohol	5.21	59	125	Below Cal	#	74
16) Acetone	4.16	43	280	1.011	ug/l #	47
20) Methylene Chloride	4.96	84	1718	Below Cal	#	86
31) Cyclohexane	7.99	56	4311	1.826	ug/l #	40
36) 1,1-Dichloropropene	7.99	75	14371	5.718	ug/l #	50
38) Carbon Tetrachloride	7.99	117	22859	6.012	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	1176	1.864	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	53097	79.362	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	53097	189.841	ug/l #	7

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120720\
Data File : VD067898.D
Acq On : 07 Dec 2020 14:36
Operator : VA/SY
Sample : L4970-14
Misc : 7.36G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

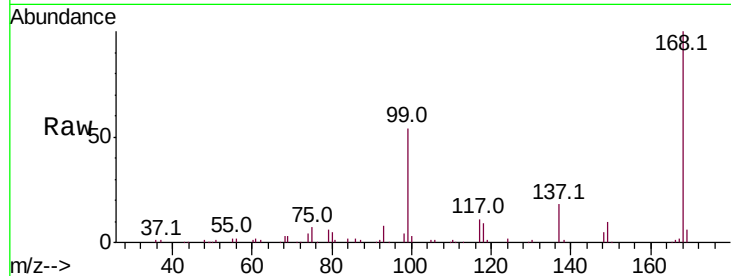
4S1-D-BOTTOM

Tot Ion:168 Resp: 208680

Ion Ratio Lower Upper

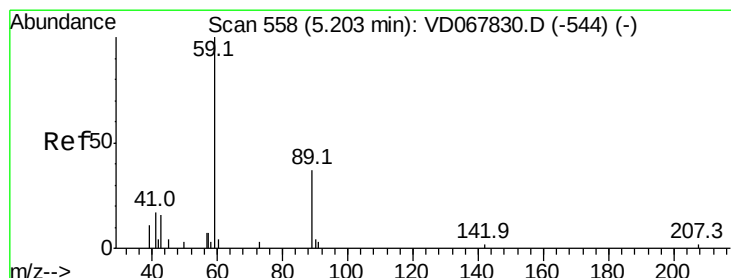
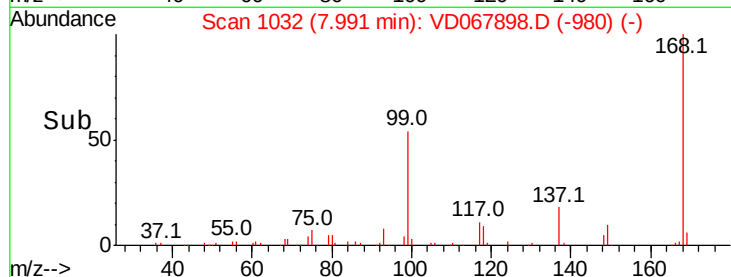
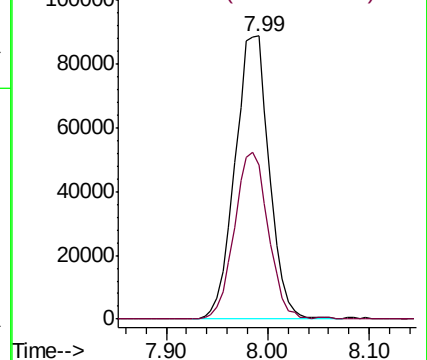
168 100

99 54.4 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: 5.21 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD067898.D

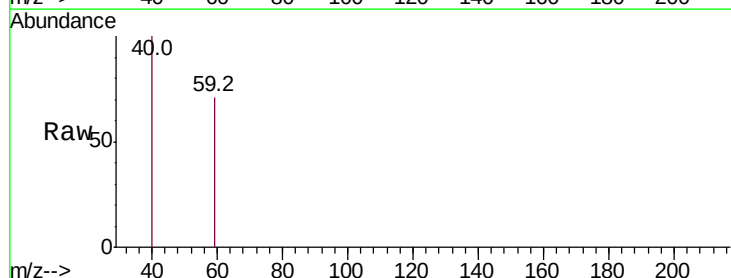
Acq: 07 Dec 2020 14:36

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

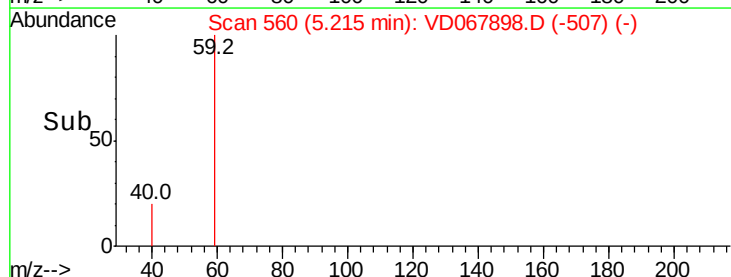
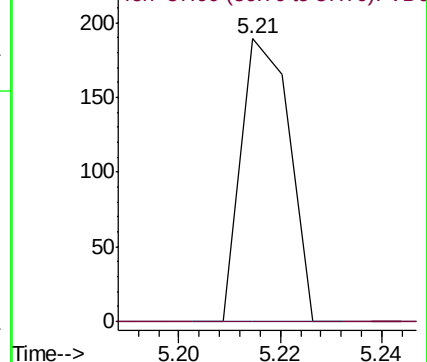
59 100

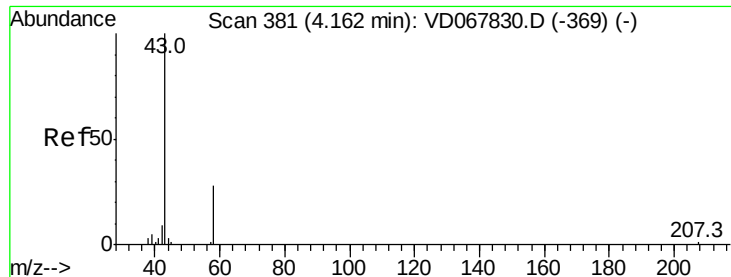
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.011 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

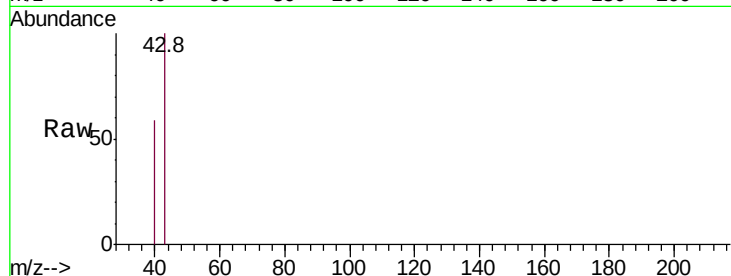
4S1-D-BOTTOM

Tot Ion: 43 Resp: 280

Ion Ratio Lower Upper

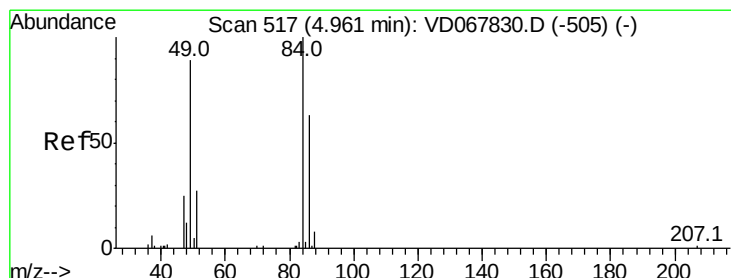
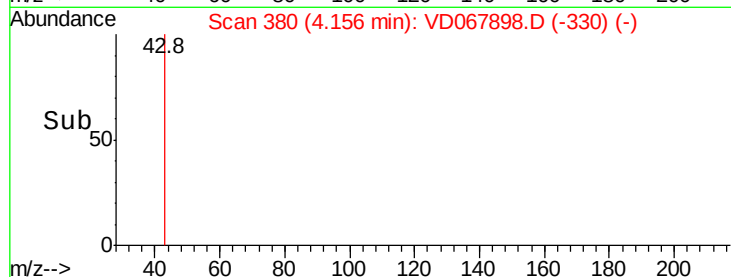
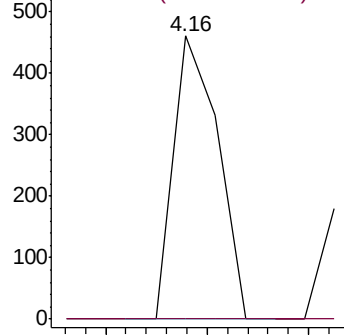
43 100

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# 516

Delta R.T. -0.01 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

Tgt Ion: 84 Resp: 1718

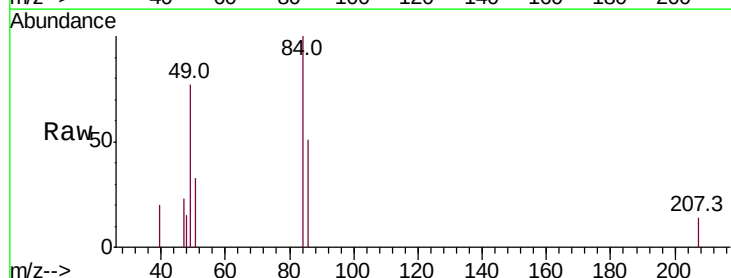
Ion Ratio Lower Upper

84 100

49 77.0 71.4 107.0

51 33.4 21.8 32.8#

86 51.4 50.6 75.8

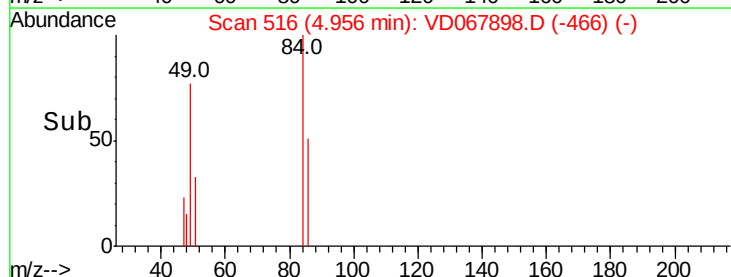
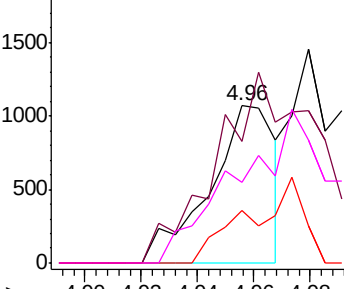


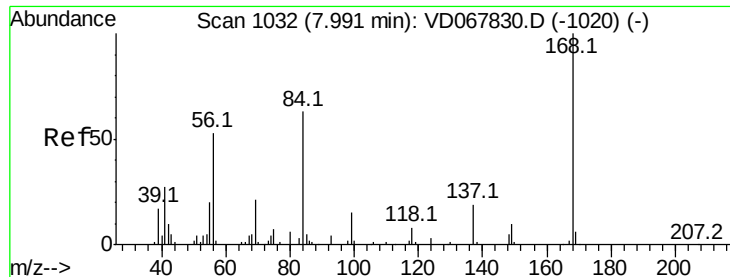
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

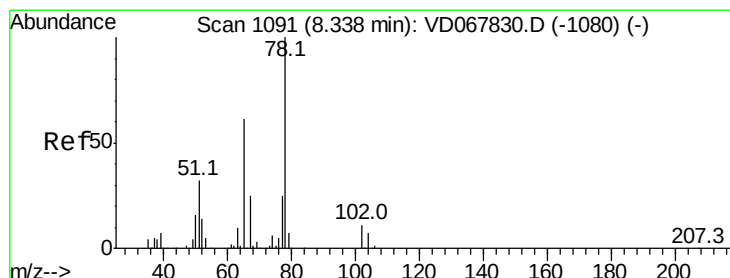
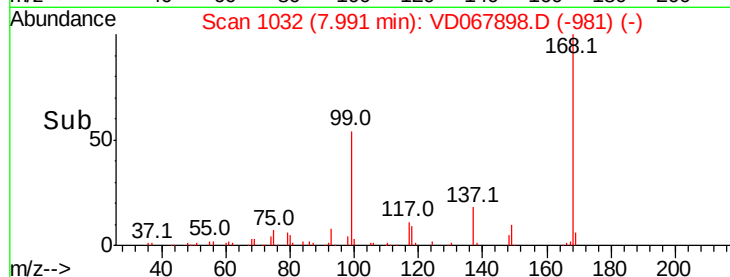
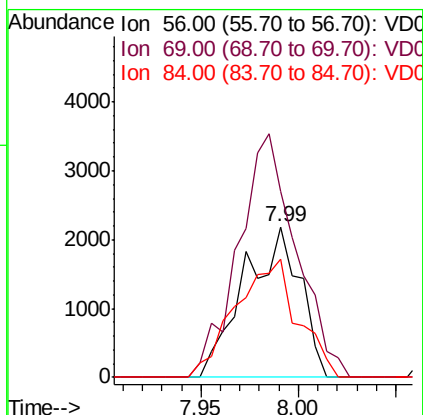
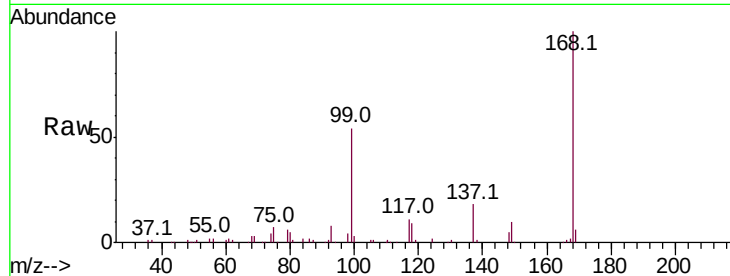




#31
Cyclohexane
Concen: 1.826 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

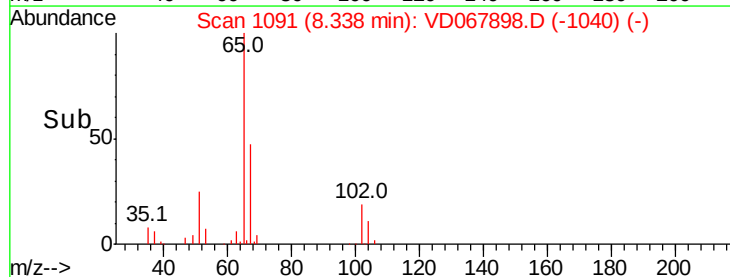
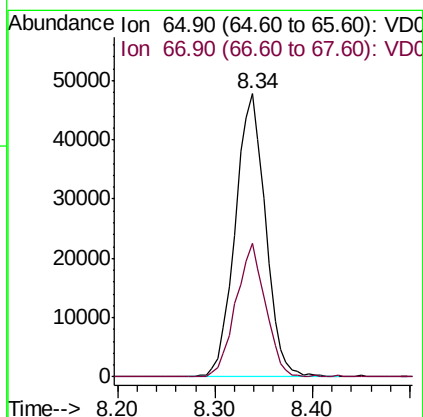
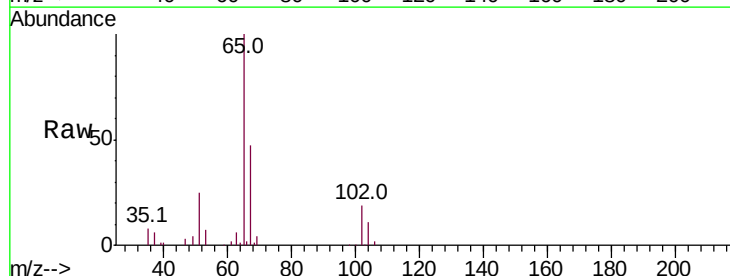
Instrument :
MSVOA_D
ClientSampleId :
4S1-D-BOTTOM

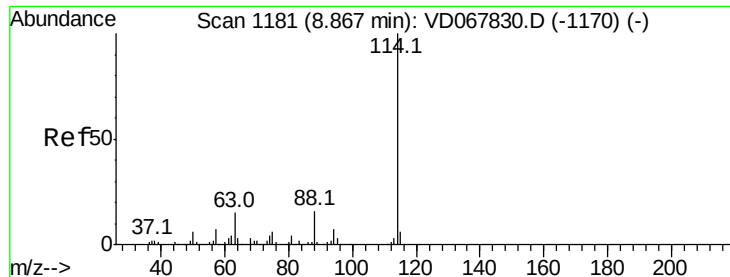
Tot Ion: 56 Resp: 4311
Ion Ratio Lower Upper
56 100
69 123.2 32.1 48.1#
84 78.4 93.2 139.8#



#33
1,2-Dichloroethane-d4
Concen: 45.907 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Tgt Ion: 65 Resp: 102843
Ion Ratio Lower Upper
65 100
67 46.2 0.0 92.0

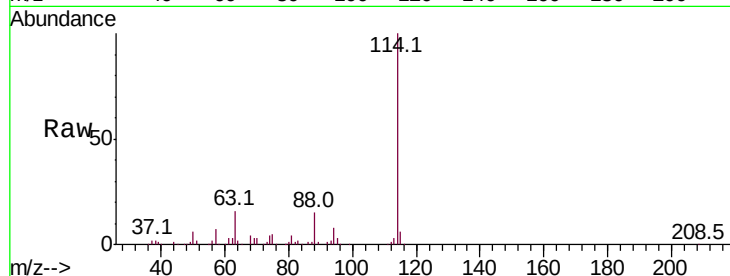




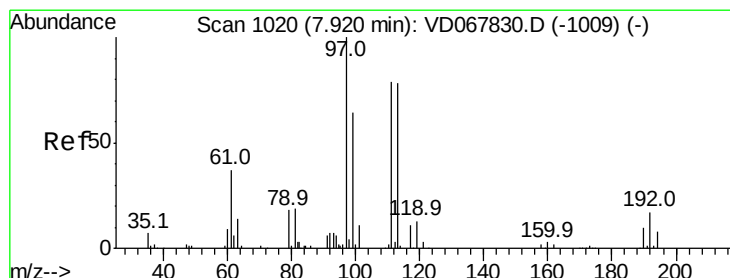
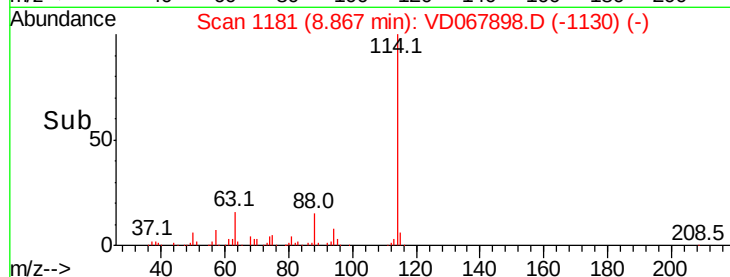
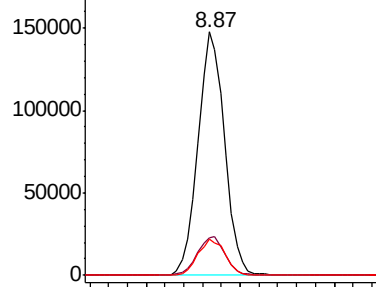
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
4S1-D-BOTTOM

Tot Ion	Ratio	Lower	Upper
114	100		
63	15.7	0.0	30.8
88	14.7	0.0	31.8

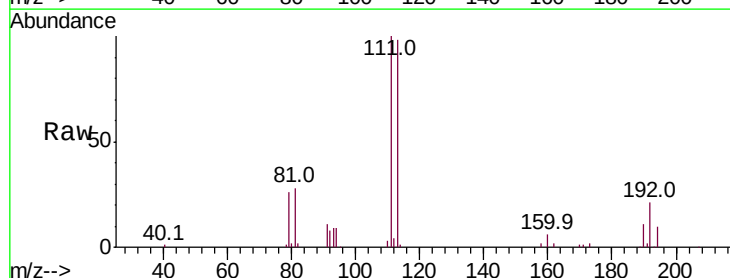


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

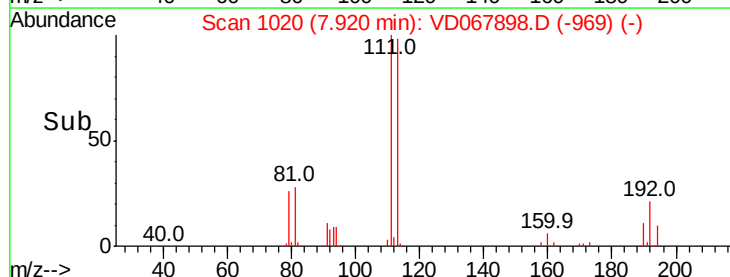
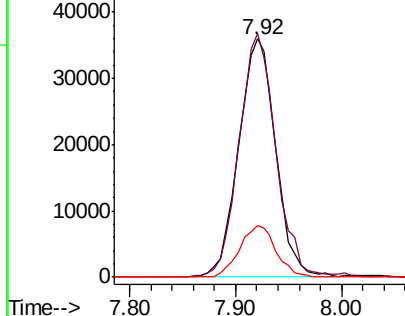


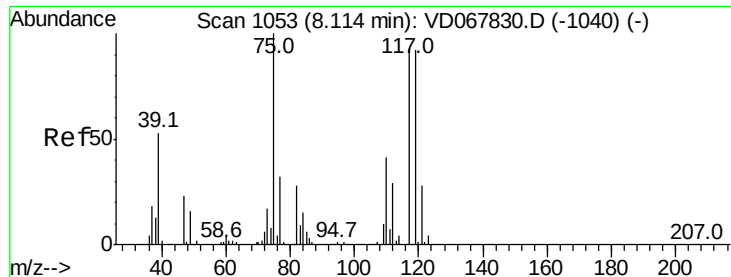
#35
Dibromofluoromethane
Concen: 45.024 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	21.0	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





#36

1,1-Dichloropropene

Concen: 5.718 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

4S1-D-BOTTOM

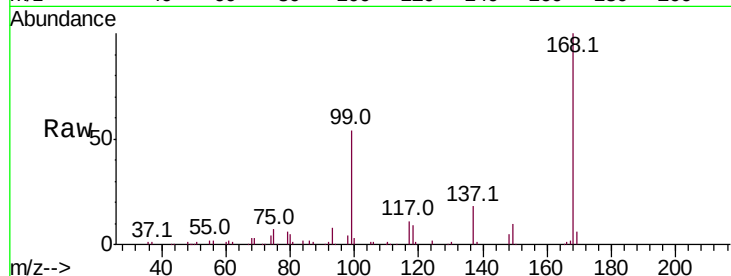
Tot Ion: 75 Resp: 14371

Ion Ratio Lower Upper

75 100

110 12.4 20.3 61.0#

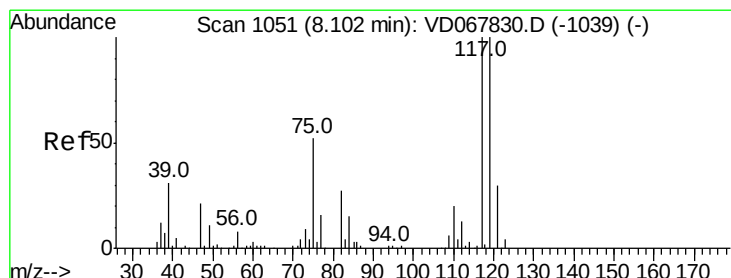
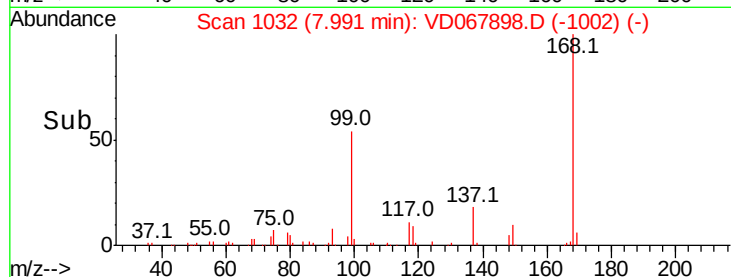
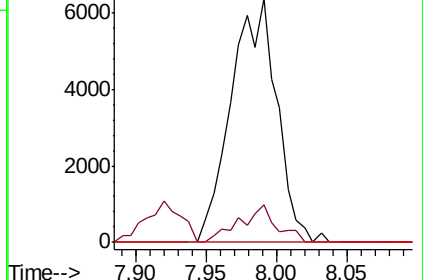
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

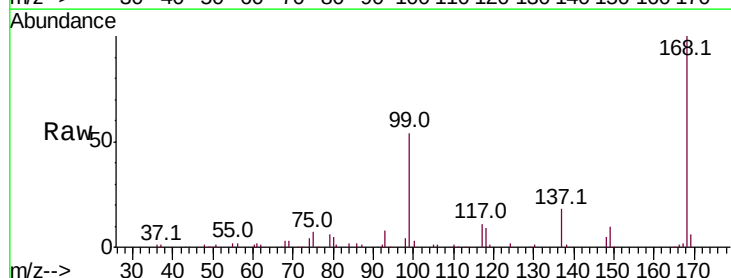
Tgt Ion: 117 Resp: 22859

Ion Ratio Lower Upper

117 100

119 6.1 79.7 119.5#

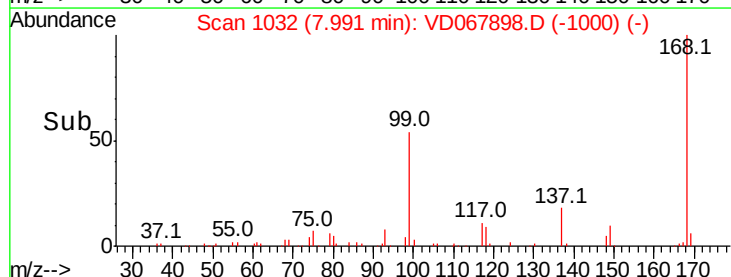
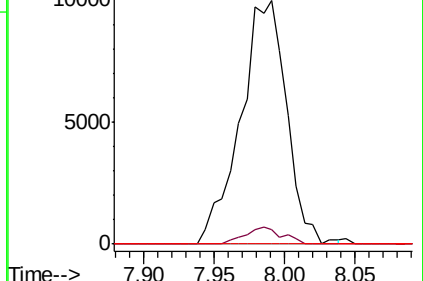
121 0.0 23.8 35.6#

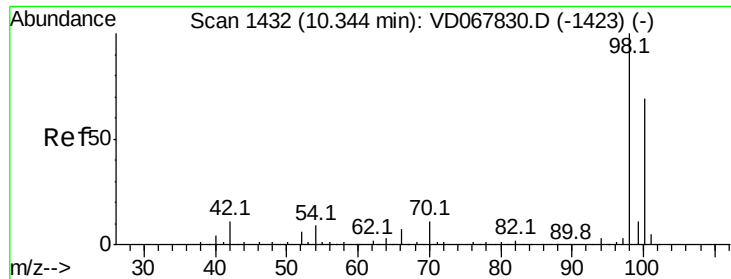


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

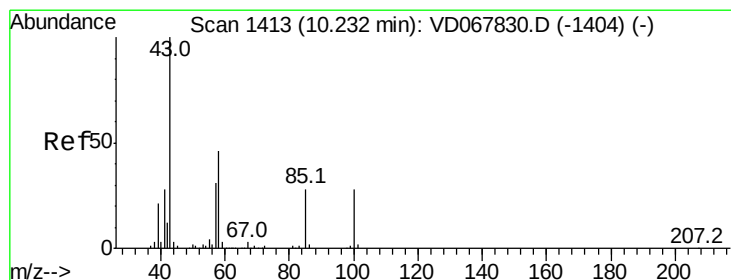
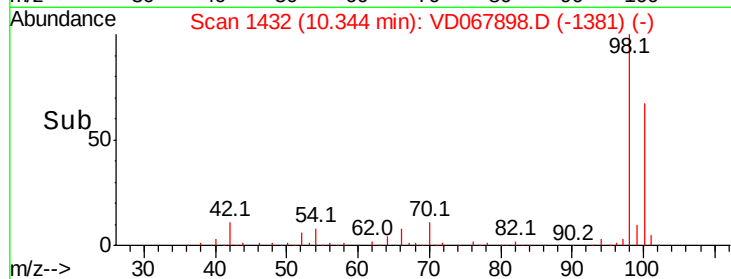
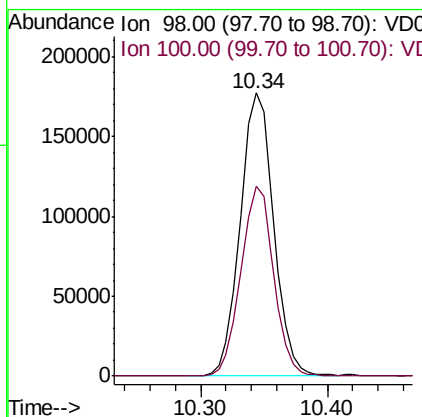
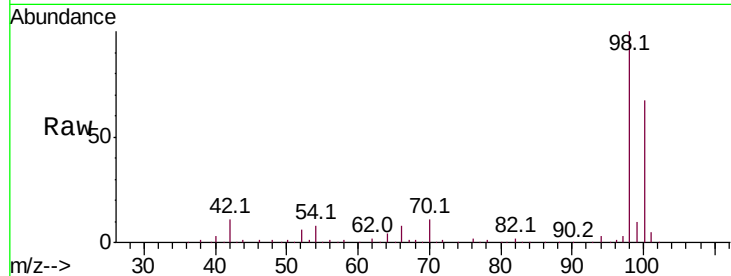




#50
Toluene-d8
Concen: 46.571 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

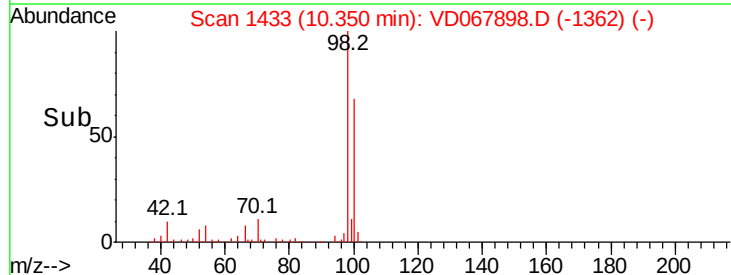
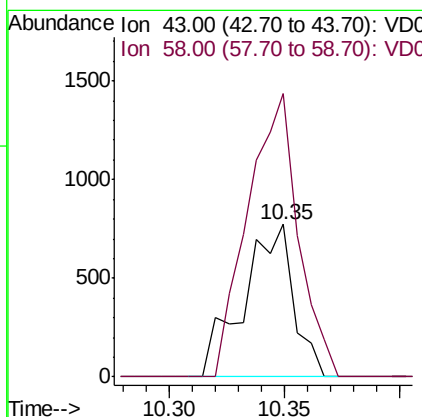
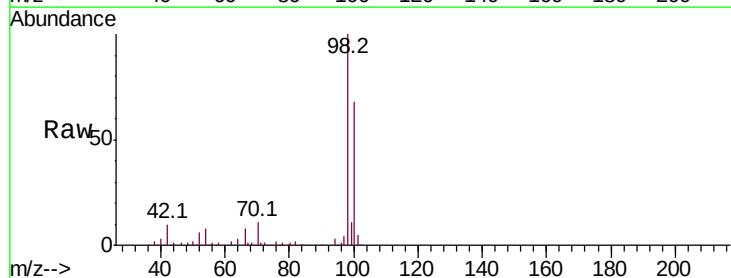
Instrument :
MSVOA_D
ClientSampleId :
4S1-D-BOTTOM

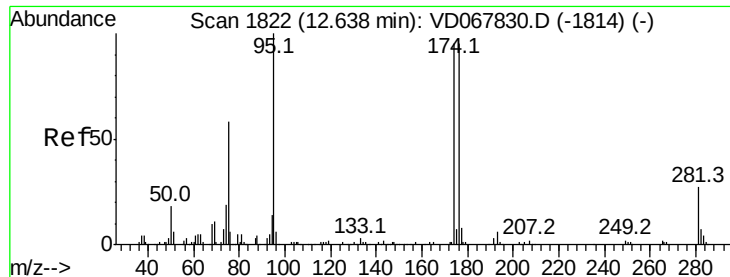
Tot Ion: 98 Resp: 325668
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.864 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
58 185.8 35.7 53.5#

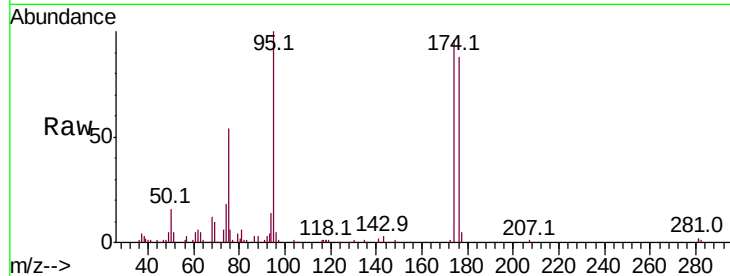




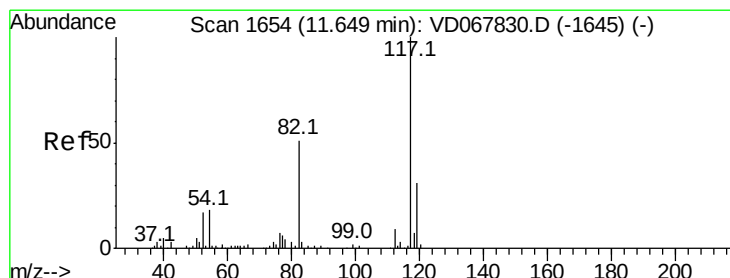
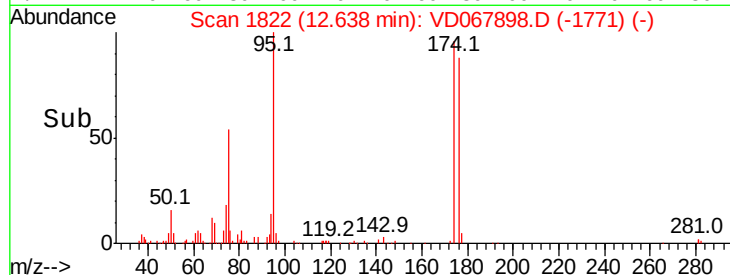
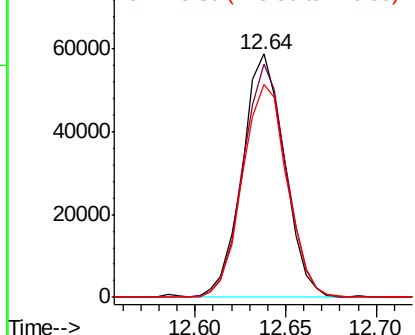
#62
4-Bromofluorobenzene
Concen: 39.263 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
4S1-D-BOTTOM

Tot Ion: 95 Resp: 94924
Ion Ratio Lower Upper
95 100
174 98.3 0.0 186.0
176 93.2 0.0 184.2

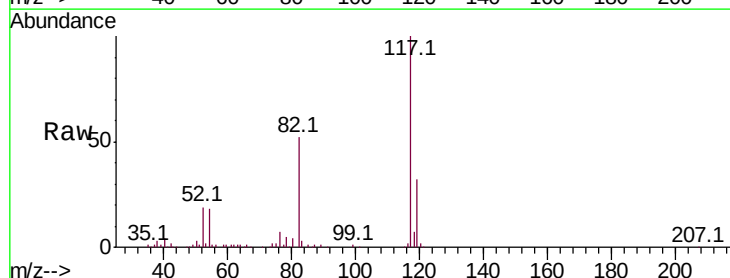


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

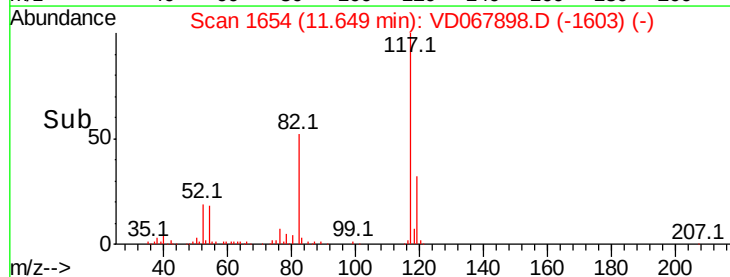
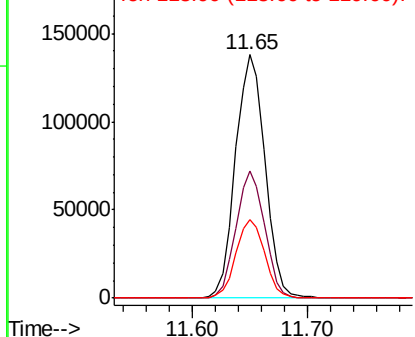


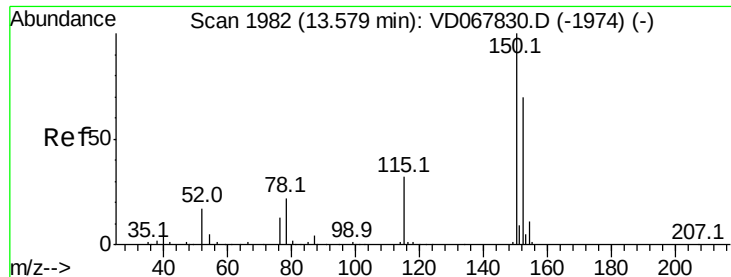
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067898.D
Acq: 07 Dec 2020 14:36

Tgt Ion: 117 Resp: 243917
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.2 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

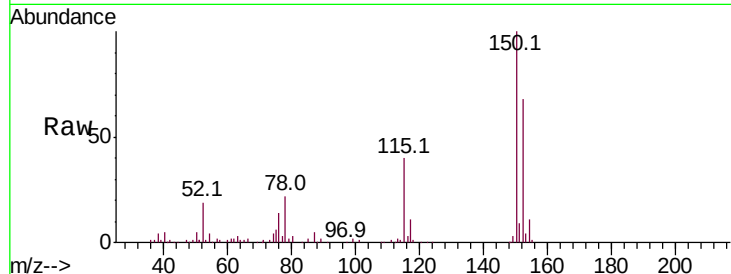




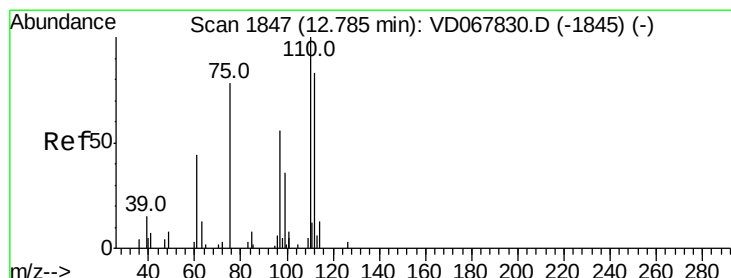
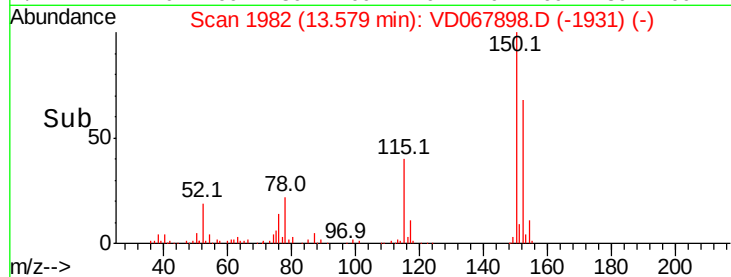
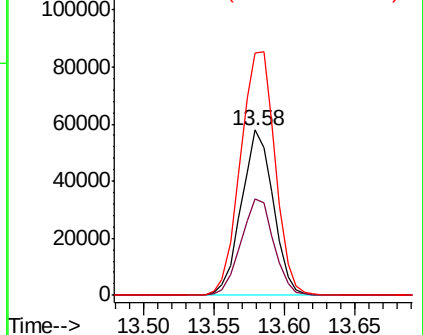
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD067898.D
 Acq: 07 Dec 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 4S1-D-BOTTOM

Tot Ion:152 Resp: 91873
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.1 87.4
 150 159.6 0.0 339.0

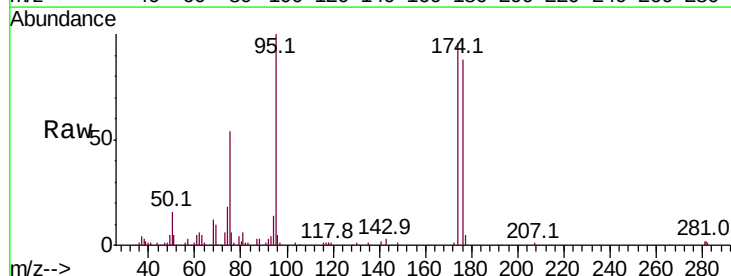


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

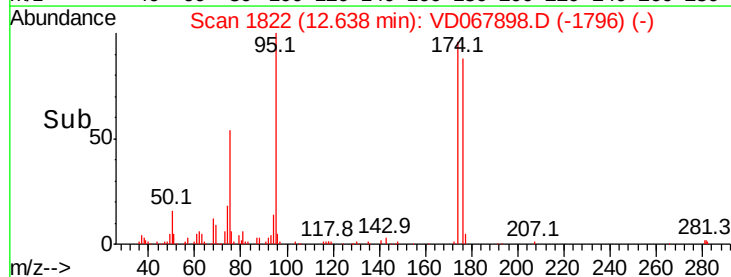
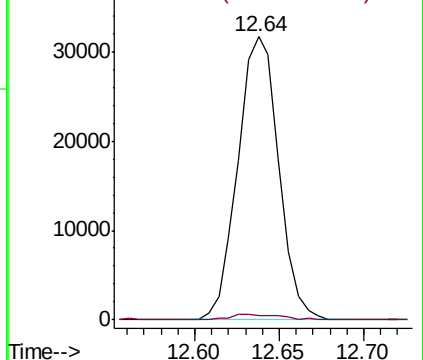


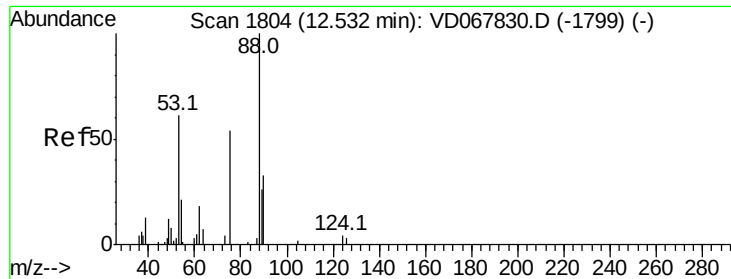
#76
 1,2,3-Trichloropropane
 Concen: 79.362 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067898.D
 Acq: 07 Dec 2020 14:36

Tgt Ion: 75 Resp: 53097
 Ion Ratio Lower Upper
 75 100
 77 2.4 175.9 527.7#



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: 189.841 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067898.D

Acq: 07 Dec 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

4S1-D-BOTTOM

Tot Ion: 75 Resp: 53097

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

