

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067751.D
 Acq On : 23 Nov 2020 17:43
 Operator : VA/SY
 Sample : L4716-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-2

Quant Time: Nov 24 00:57:06 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	7.99	168	239186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	372347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	115176	49.52	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.04%
35) Dibromofluoromethane	7.92	113	114793	48.44	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.88%
50) Toluene-d8	10.34	98	433534	50.04	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.08%
62) 4-Bromofluorobenzene	12.64	95	179780	60.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.42%

Target Compounds

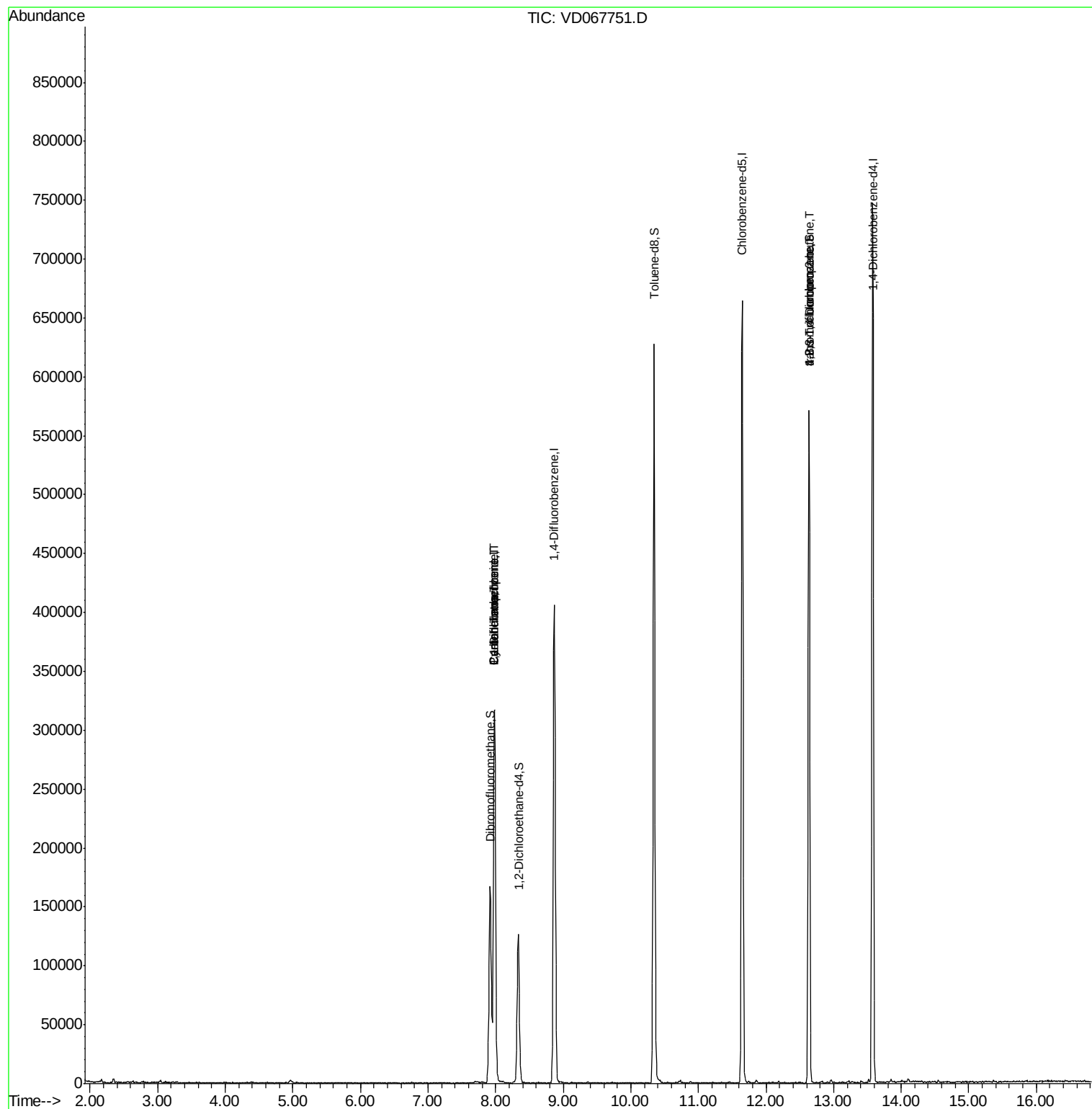
					Qvalue	
20) Methylene Chloride	4.96	84	1767	Below Cal	#	72
31) Cyclohexane	7.99	56	4914	1.746	ug/l #	29
36) 1,1-Dichloropropene	7.99	75	15438	4.832	ug/l #	50
38) Carbon Tetrachloride	7.98	117	25263	5.455	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	97179	65.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	97179	154.189	ug/l #	11

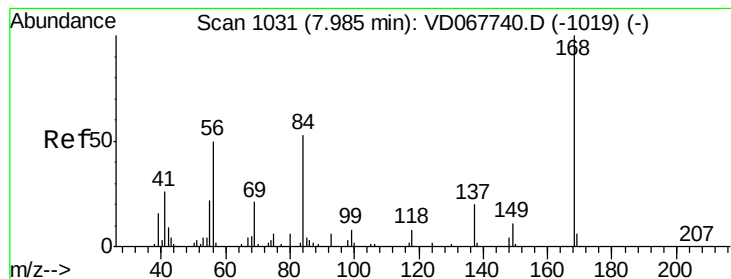
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

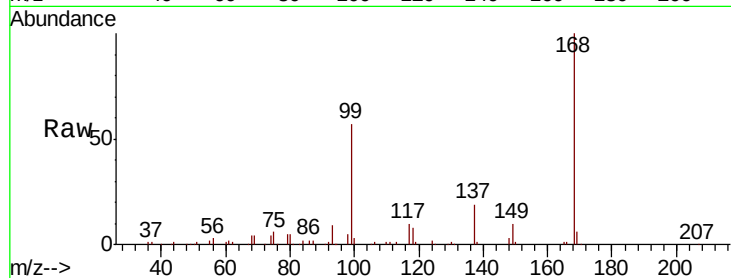
STOCKPILE-2

Tot Ion:168 Resp: 239186

Ion Ratio Lower Upper

168 100

99 56.8 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

120000

100000

80000

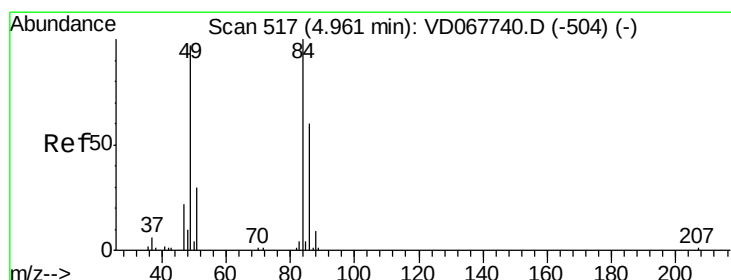
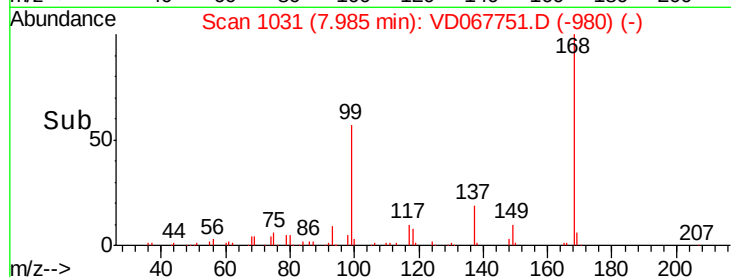
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

Tgt Ion: 84 Resp: 1767

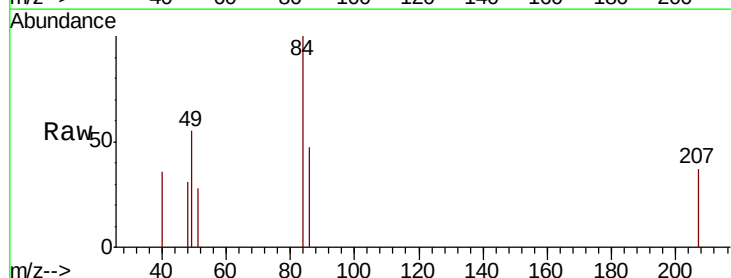
Ion Ratio Lower Upper

84 100

49 55.3 77.4 116.2#

51 28.5 24.1 36.1

86 47.0 48.2 72.2#



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

4.96

1200

1000

800

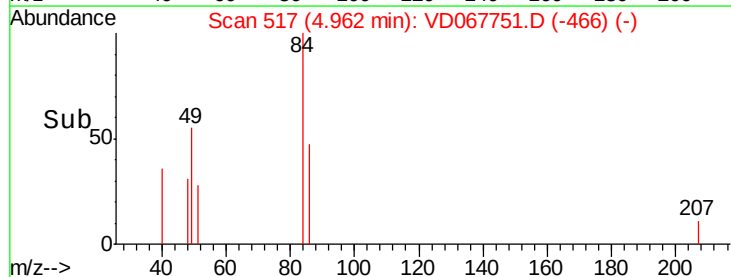
600

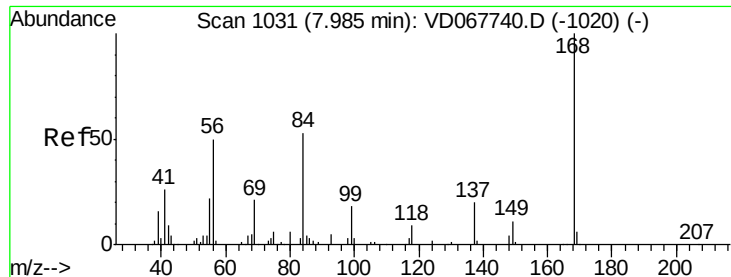
400

200

0

Time-->

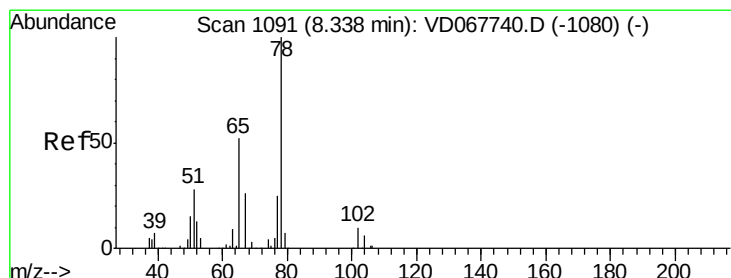
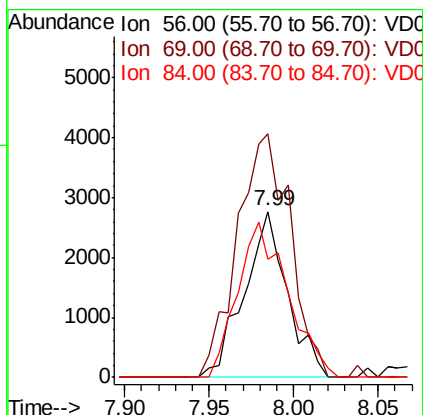
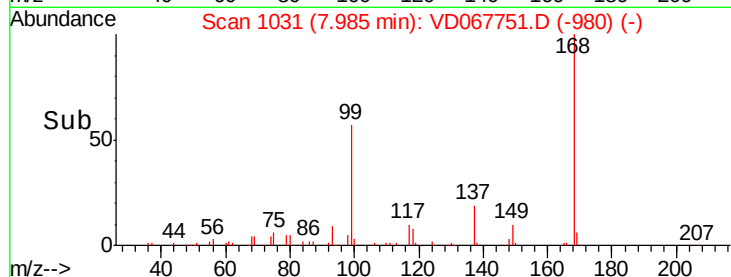
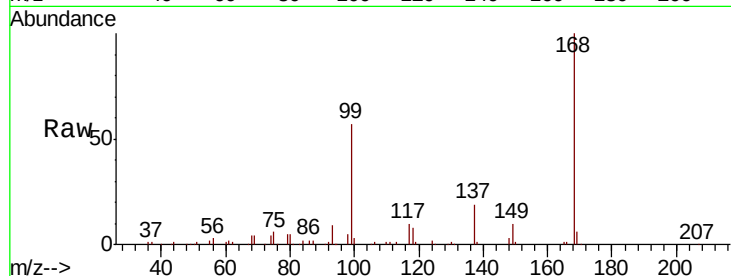




#31
Cyclohexane
Concen: 1.746 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067751.D
Acq: 23 Nov 2020 17:43

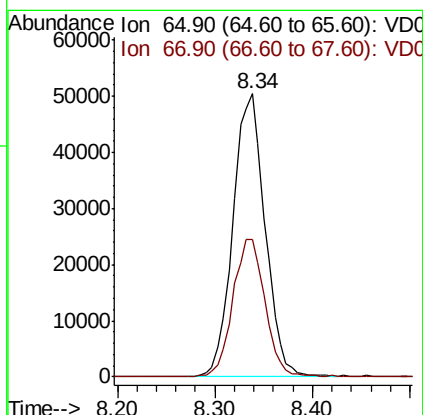
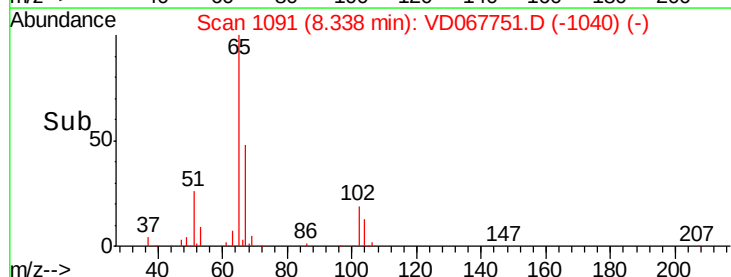
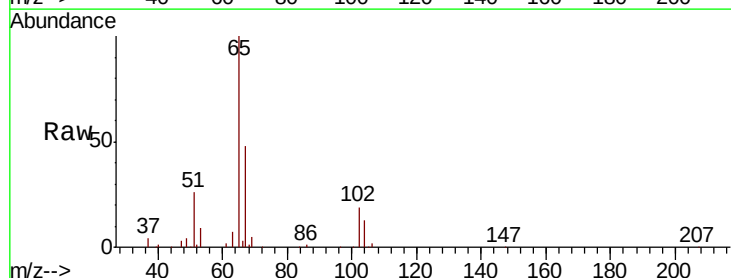
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-2

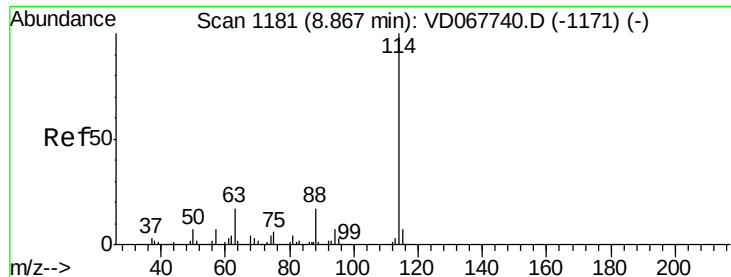
Tot Ion: 56 Resp: 4914
Ion Ratio Lower Upper
56 100
69 147.1 33.2 49.8#
84 71.4 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 49.524 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067751.D
Acq: 23 Nov 2020 17:43

Tgt Ion: 65 Resp: 115176
Ion Ratio Lower Upper
65 100
67 48.7 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-2

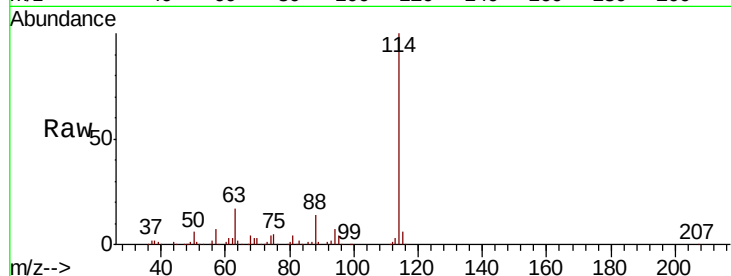
Tot Ion:114 Resp: 372347

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.8

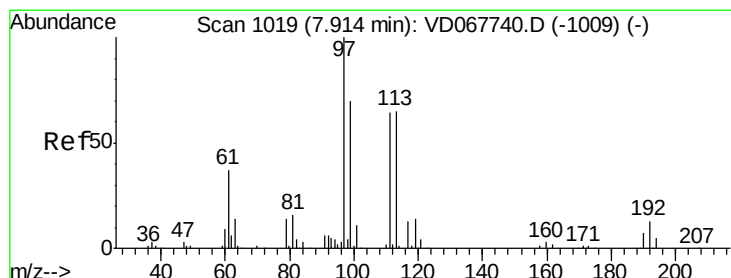
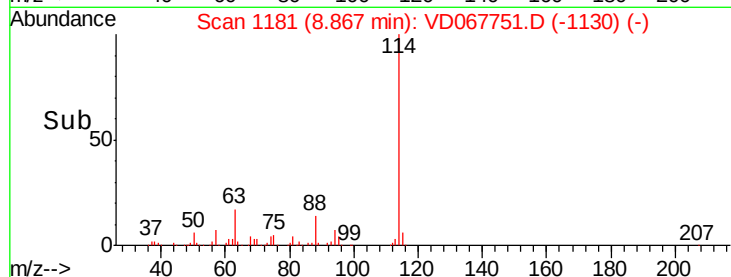
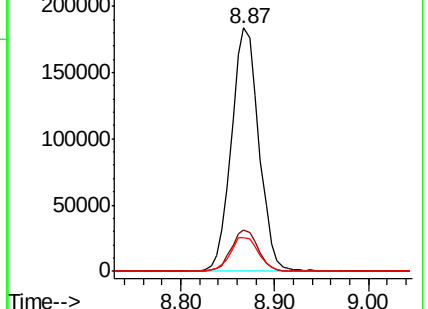
88 13.9 0.0 34.4



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: 48.444 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

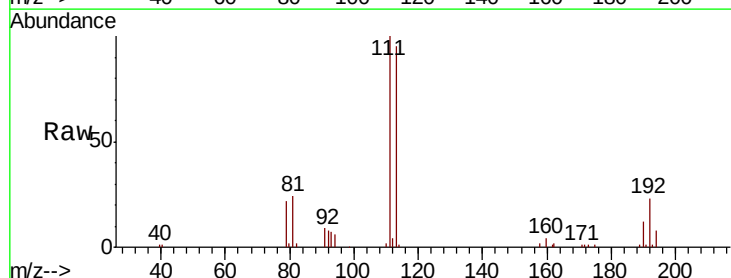
Tgt Ion:113 Resp: 114793

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

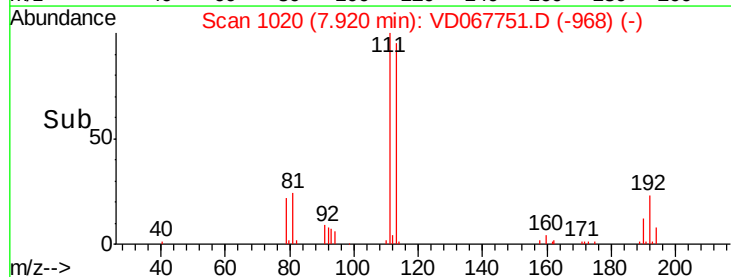
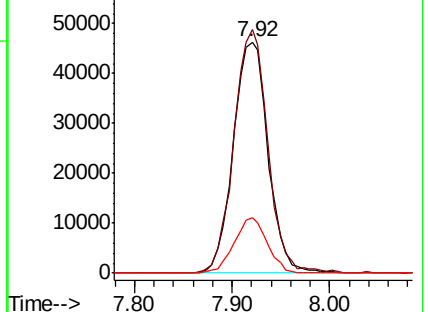
192 22.8 17.0 25.4

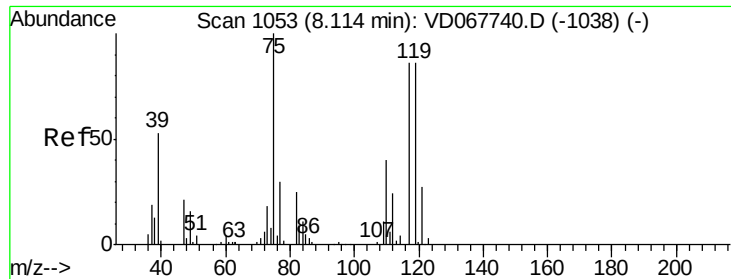


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-2

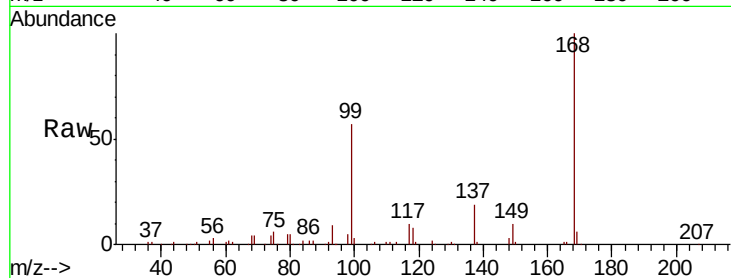
Tot Ion: 75 Resp: 15438

Ion Ratio Lower Upper

75 100

110 12.3 20.1 60.2#

77 0.0 24.8 37.2#

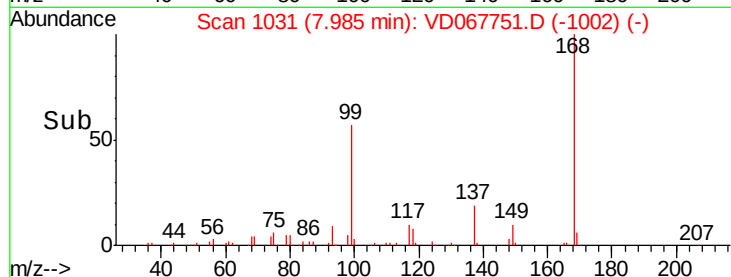


Abundance Ion 74.90 (74.60 to 75.60): VD067740.D (-1038) (-)

Ion 109.90 (109.60 to 110.60): VD067740.D (-1038) (-)

Ion 76.90 (76.60 to 77.60): VD067740.D (-1038) (-)

Time-->

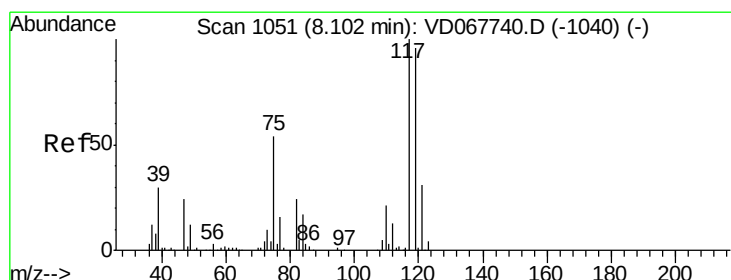


Abundance Ion 74.90 (74.60 to 75.60): VD067740.D (-1038) (-)

Ion 109.90 (109.60 to 110.60): VD067740.D (-1038) (-)

Ion 76.90 (76.60 to 77.60): VD067740.D (-1038) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.455 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

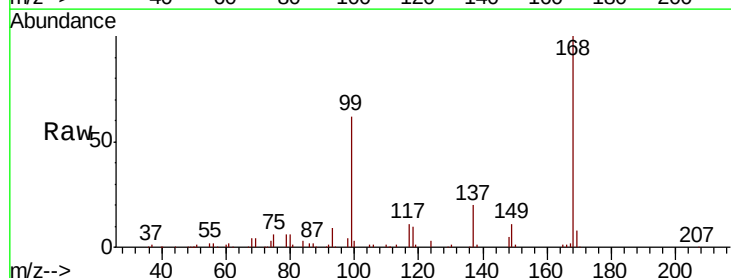
Tgt Ion: 117 Resp: 25263

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

121 0.0 24.5 36.7#

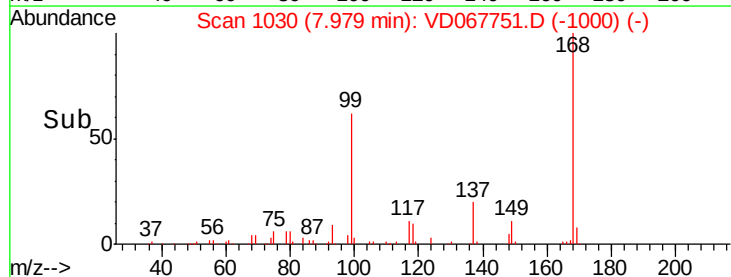


Abundance Ion 116.80 (116.50 to 117.50): VD067740.D (-1040) (-)

Ion 118.80 (118.50 to 119.50): VD067740.D (-1040) (-)

Ion 120.80 (120.50 to 121.50): VD067740.D (-1040) (-)

Time-->

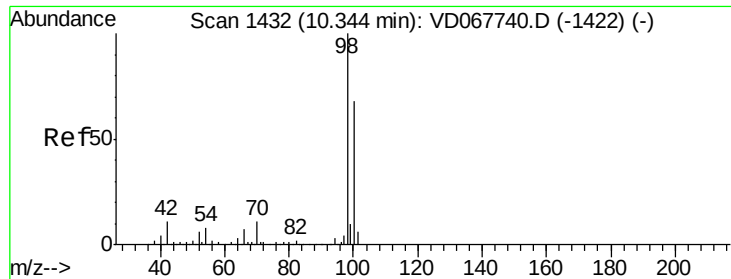


Abundance Ion 116.80 (116.50 to 117.50): VD067740.D (-1040) (-)

Ion 118.80 (118.50 to 119.50): VD067740.D (-1040) (-)

Ion 120.80 (120.50 to 121.50): VD067740.D (-1040) (-)

Time-->



#50

Toluene-d8

Concen: 50.042 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

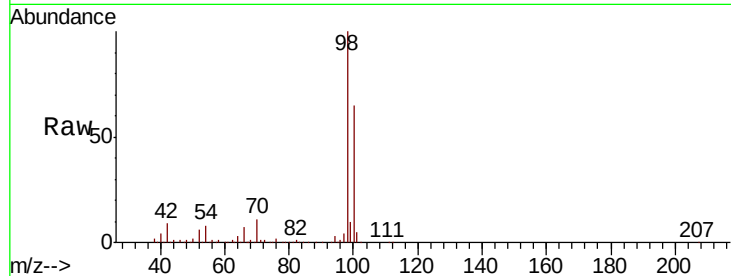
STOCKPILE-2

Tot Ion: 98 Resp: 433534

Ion Ratio Lower Upper

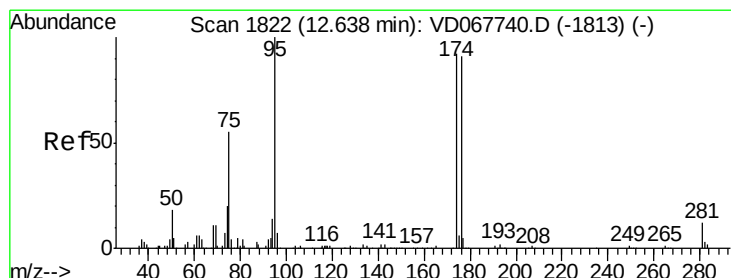
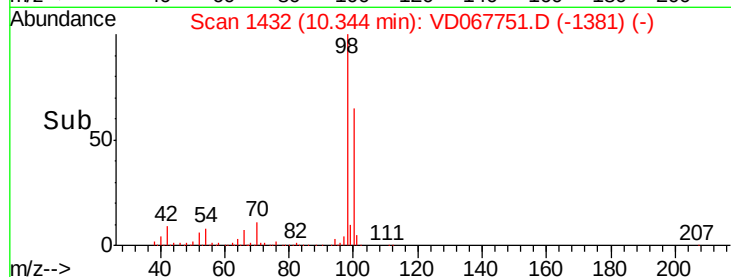
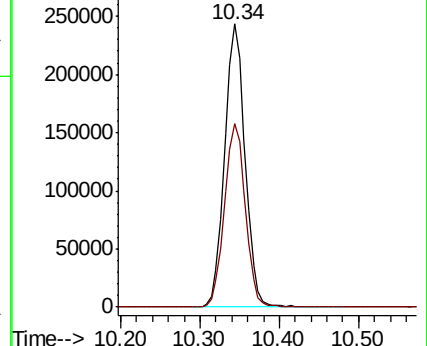
98 100

100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.712 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067751.D

Acq: 23 Nov 2020 17:43

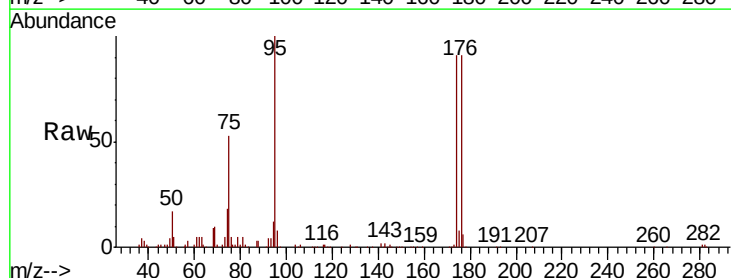
Tgt Ion: 95 Resp: 179780

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.4

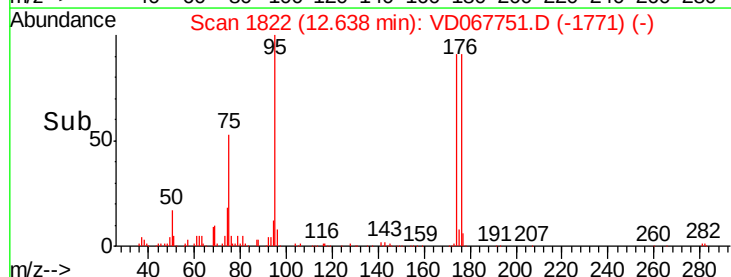
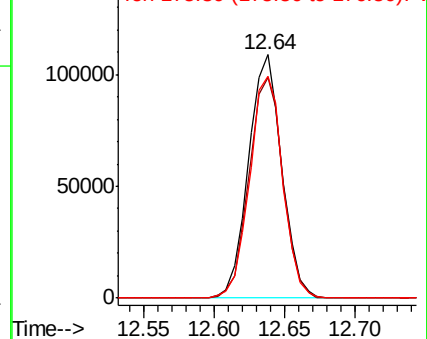
176 90.9 0.0 178.2

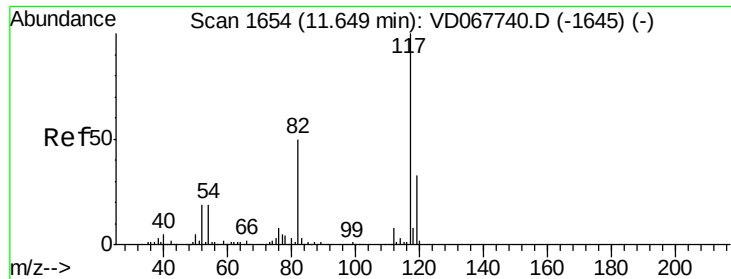


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

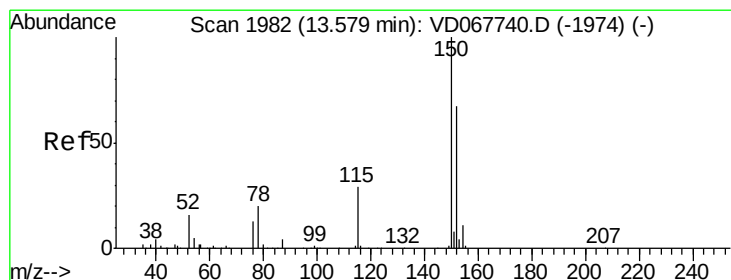
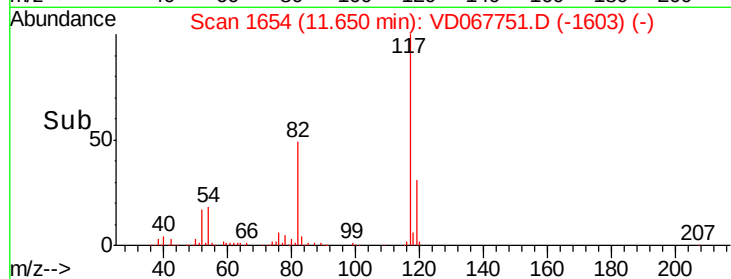
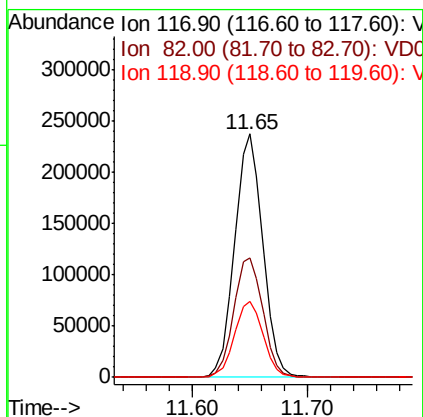
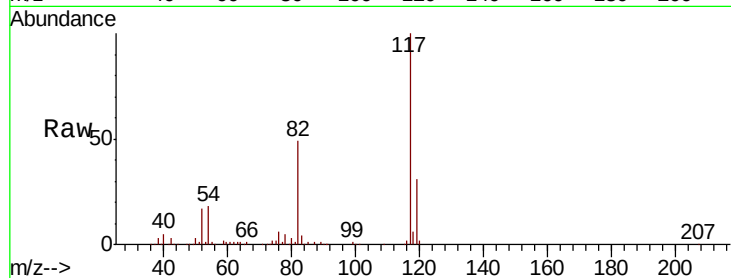




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067751.D
Acq: 23 Nov 2020 17:43

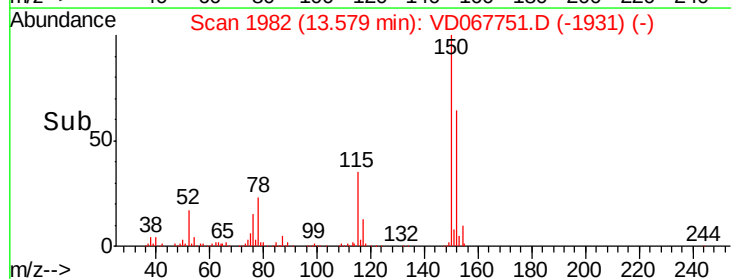
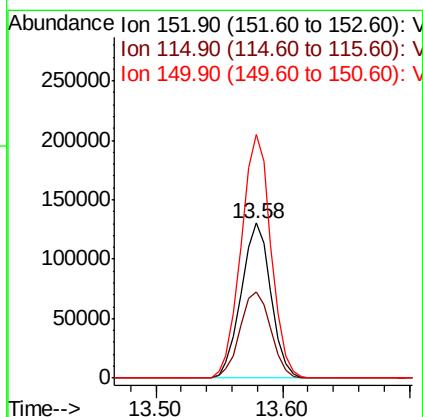
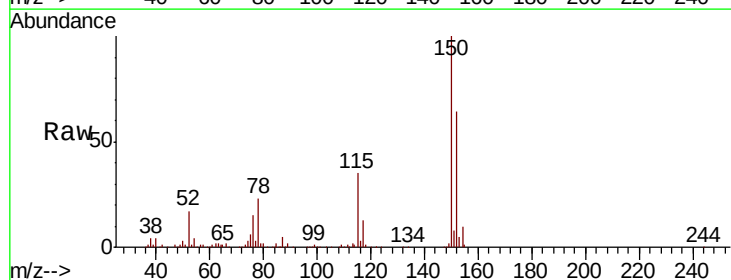
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-2

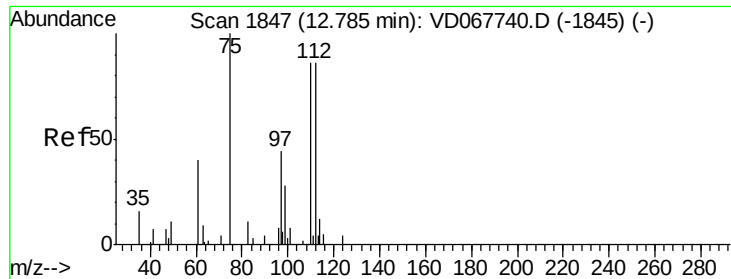
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	40.2	60.4
119	31.1	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067751.D
Acq: 23 Nov 2020 17:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.3
150	157.9	0.0	340.6

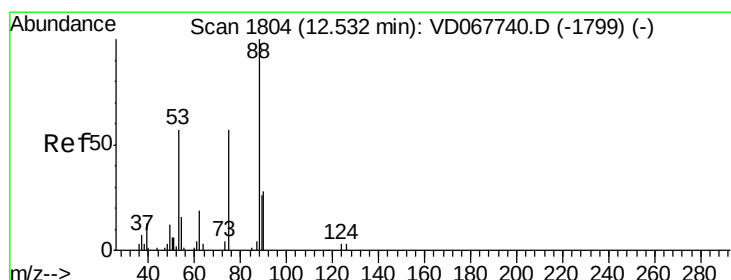
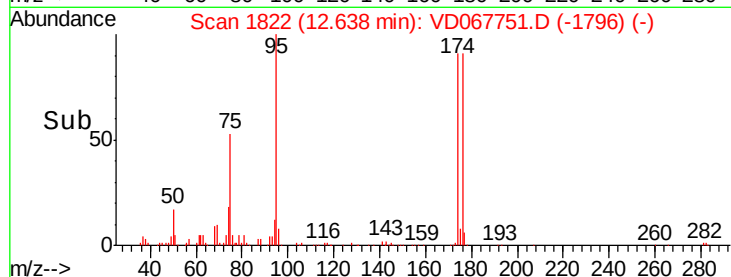
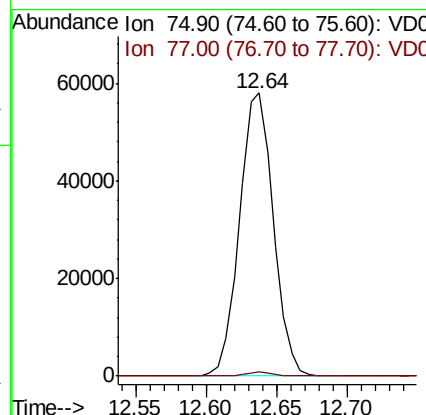
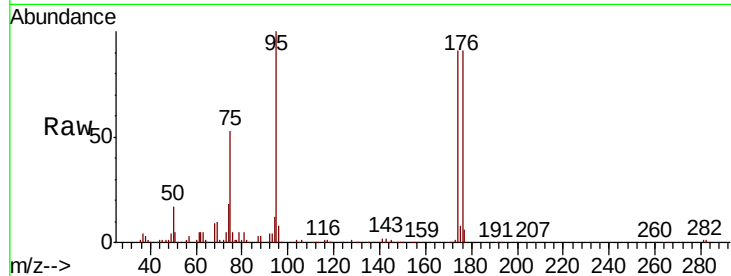




#76
 1,2,3-Trichloropropane
 Concen: 65.923 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067751.D
 Acq: 23 Nov 2020 17:43

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-2

Tot Ion: 75 Resp: 97179
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.189 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067751.D
 Acq: 23 Nov 2020 17:43

Tgt Ion: 75 Resp: 97179
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.0 114.0#
 89 0.0 40.2 60.4#

