

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067658.D
 Acq On : 17 Nov 2020 13:15
 Operator : VA/SY
 Sample : L4687-05RE
 Misc : 5.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-4

Quant Time: Nov 17 23:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	267601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	427770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	116975	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.92	113	133569	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.34	98	507984	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.64	95	184987	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	

Target Compounds

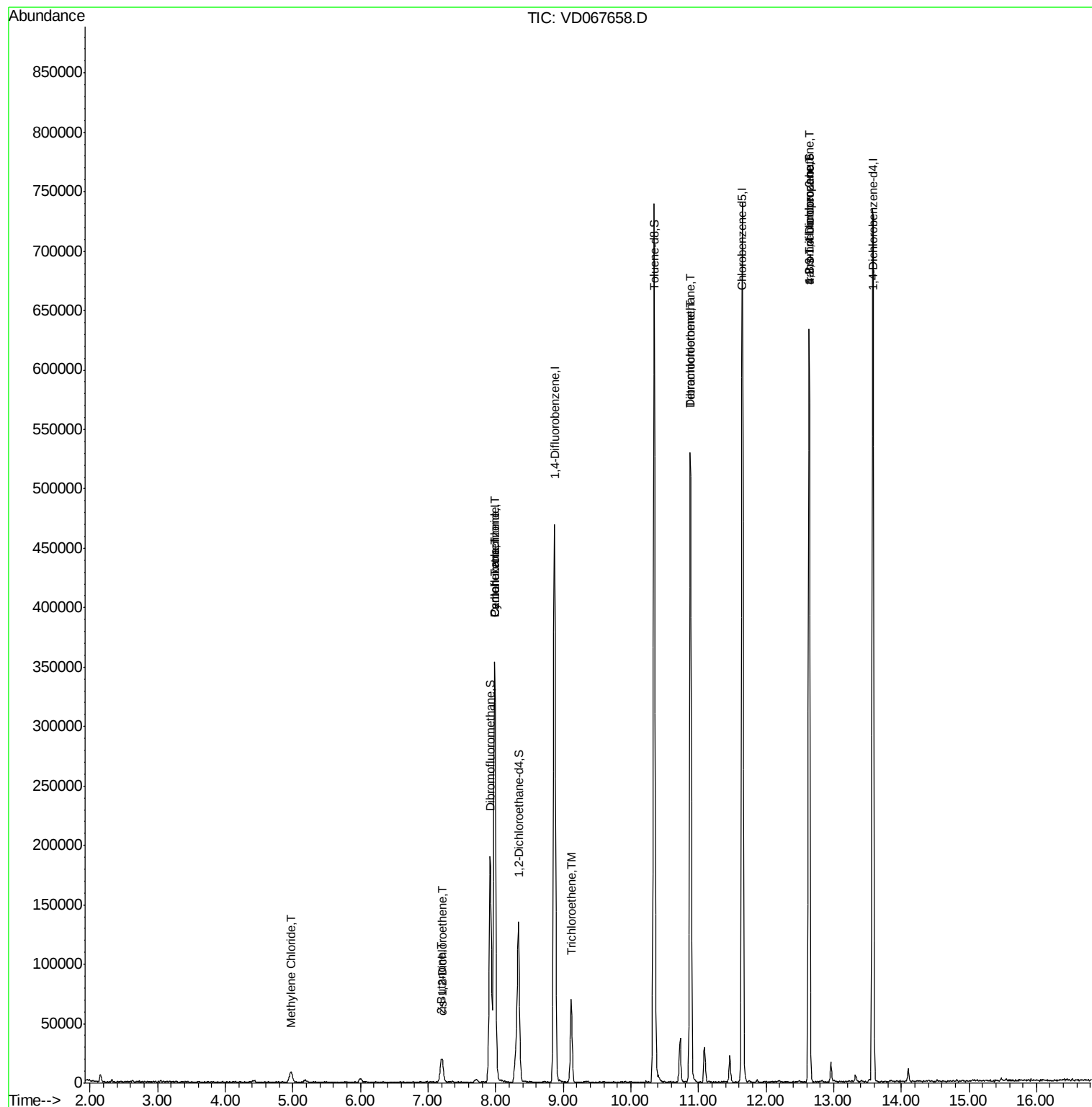
						Qvalue
2) Dichlorodifluoromethane	1.99	85	592	Below Cal		98
11) Tert butyl alcohol	5.18	59	1347	Below Cal	#	79
20) Methylene Chloride	4.97	84	7850	3.174	ug/l	88
25) 2-Butanone	7.20	43	497	1.328	ug/l #	42
27) cis-1,2-Dichloroethene	7.22	96	5303	1.964	ug/l	89
31) Cyclohexane	7.98	56	5633	1.660	ug/l #	19
38) Carbon Tetrachloride	7.98	117	25765	5.416	ug/l #	17
44) Trichloroethene	9.12	130	26732	8.197	ug/l	82
60) Dibromochloromethane	10.88	129	110605	41.445	ug/l #	11
64) Tetrachloroethene	10.88	164	126279	38.267	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	96059	75.086	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	96059	152.444	ug/l #	10

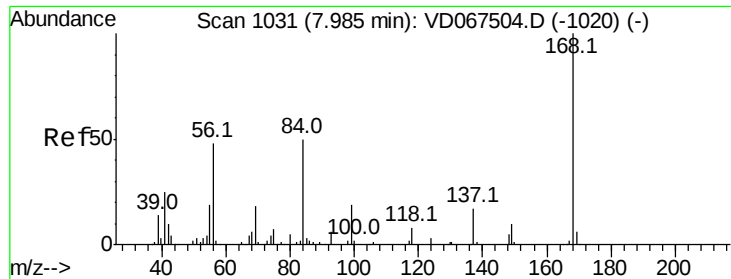
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111720\
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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: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampled :

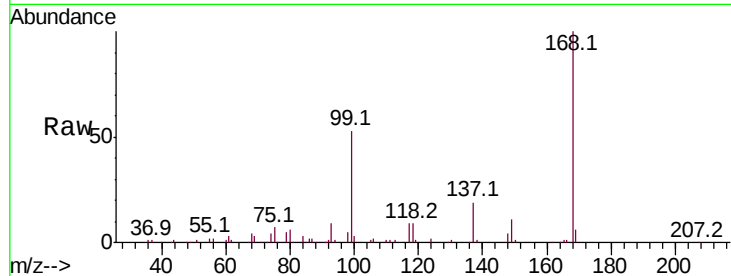
SS-4

Tot Ion:168 Resp: 267601

Ion Ratio Lower Upper

168 100

99 53.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

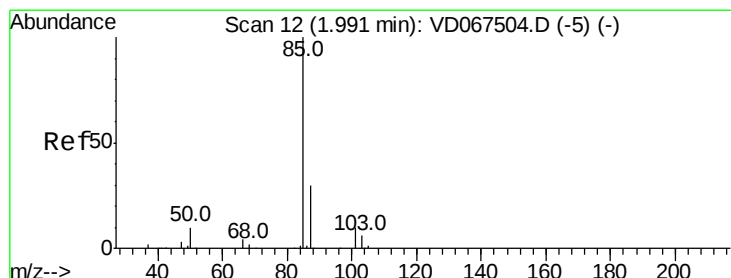
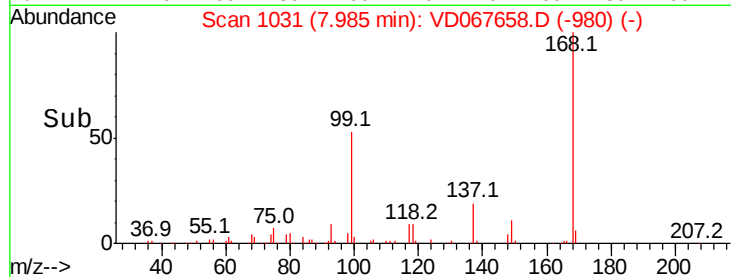
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067658.D

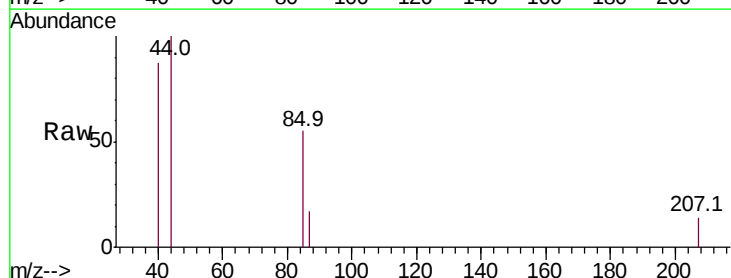
Acq: 17 Nov 2020 13:15

Tgt Ion: 85 Resp: 592

Ion Ratio Lower Upper

85 100

87 31.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

600

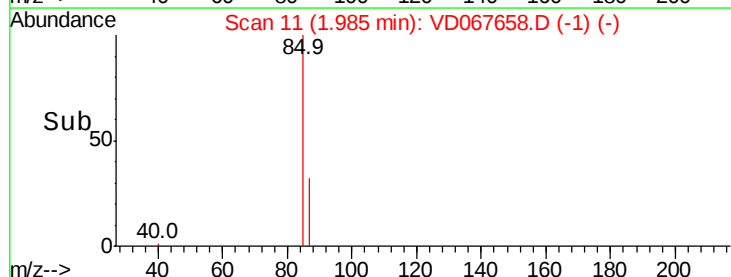
400

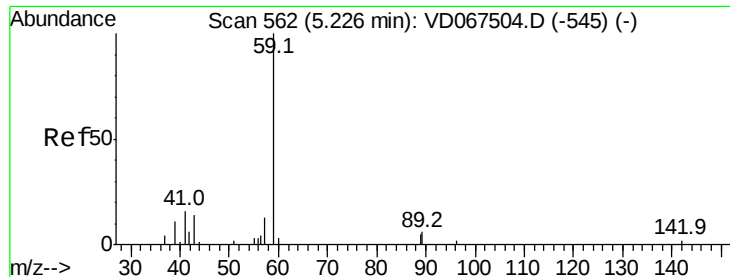
200

0

Time-->

1.96 1.98 2.00 2.02



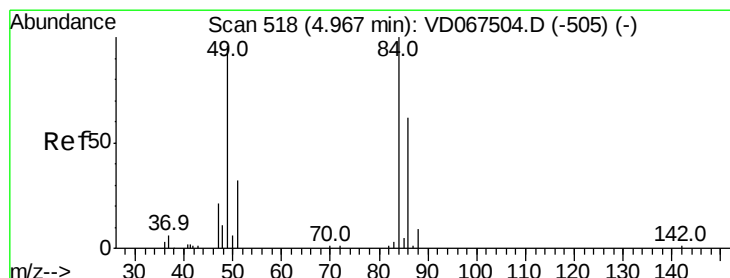
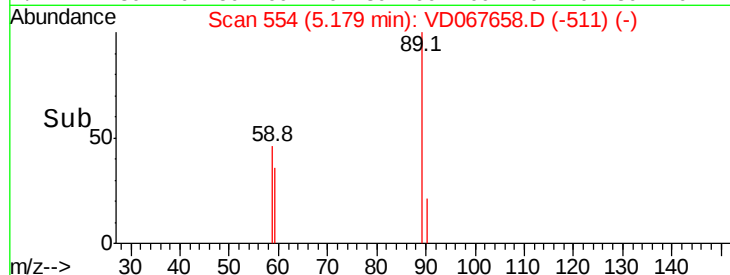
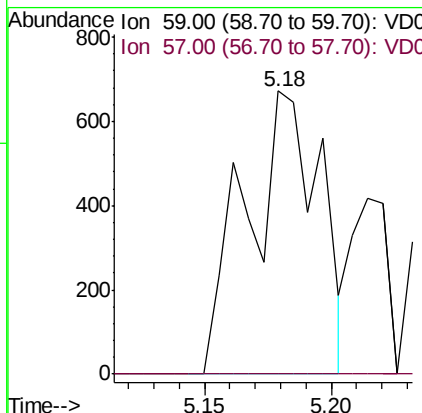
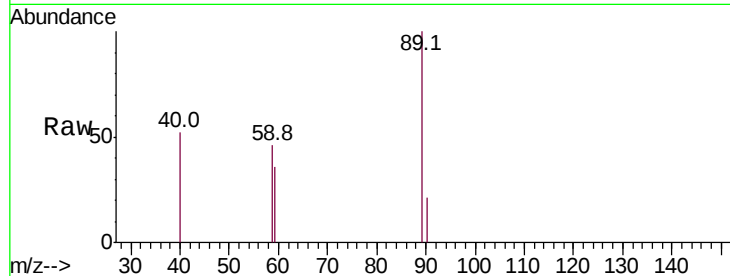


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.05 min
 Lab File: VD067658.D
 Acq: 17 Nov 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleID :
 SS-4

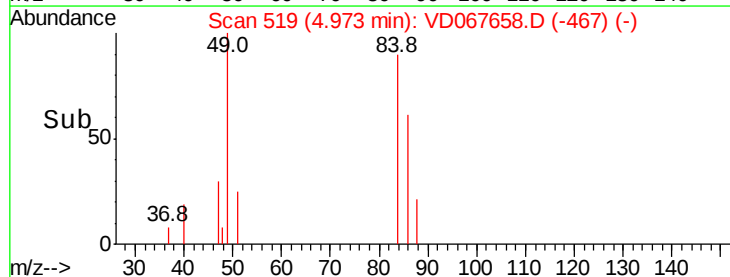
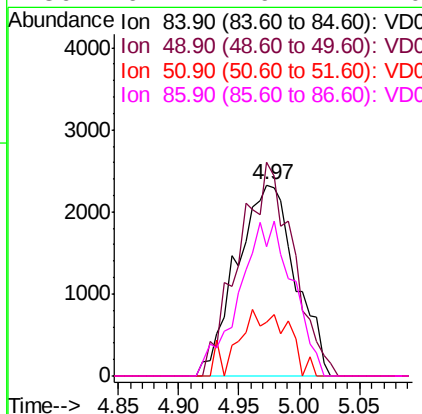
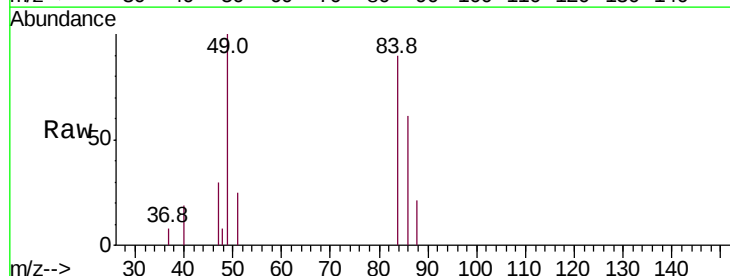
Tot Ion: 59 Resp: 1347
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

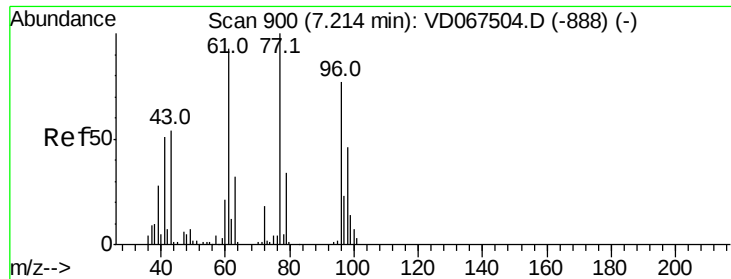


#20

Methylene Chloride
 Concen: 3.174 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067658.D
 Acq: 17 Nov 2020 13:15

Tgt Ion: 84 Resp: 7850
 Ion Ratio Lower Upper
 84 100
 49 111.7 77.0 115.4
 51 28.4 25.4 38.2
 86 67.7 49.4 74.0





#25

2-Butanone

Concen: 1.328 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampled :

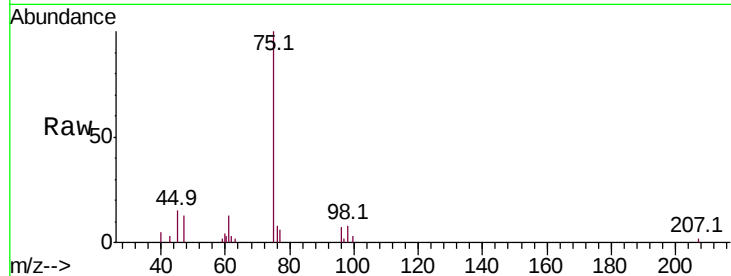
SS-4

Tot Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

250

200

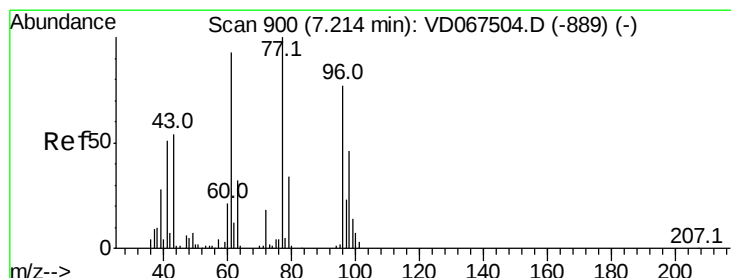
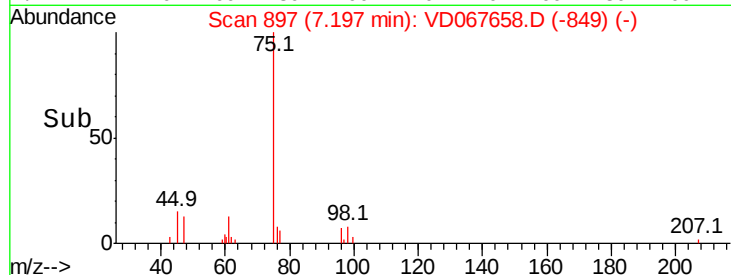
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.964 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

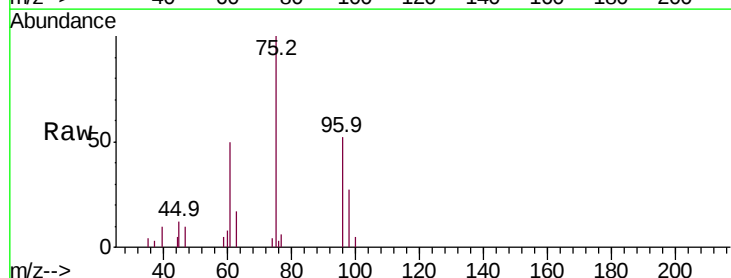
Tgt Ion: 96 Resp: 5303

Ion Ratio Lower Upper

96 100

61 114.2 0.0 251.6

98 74.8 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

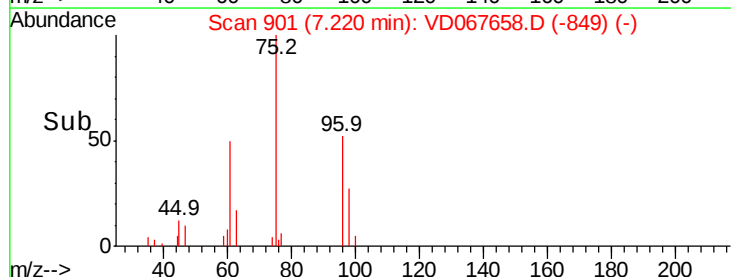
3000

2000

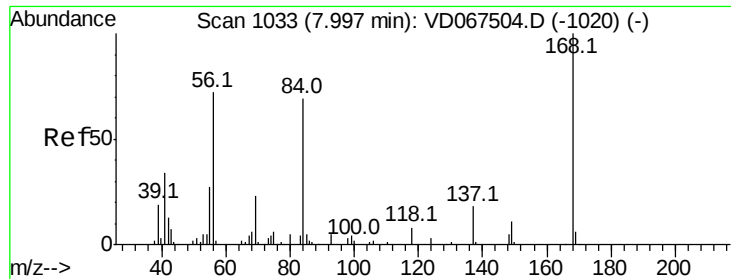
1000

0

Time-->



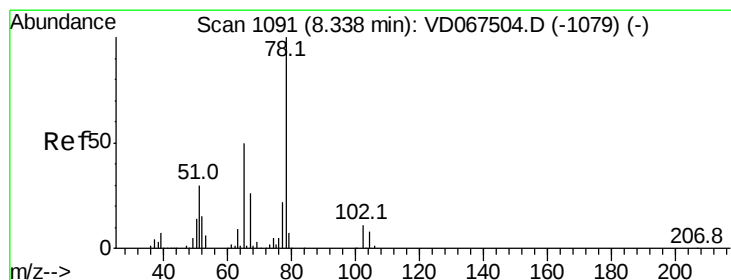
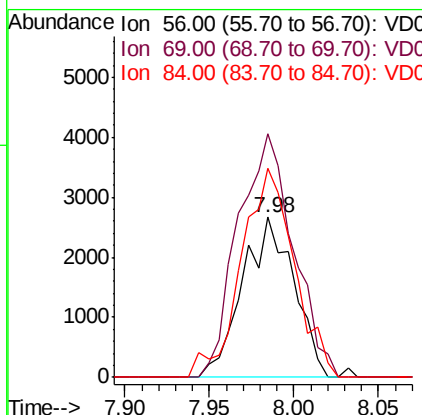
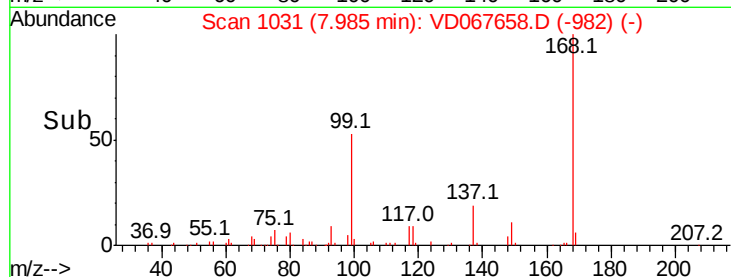
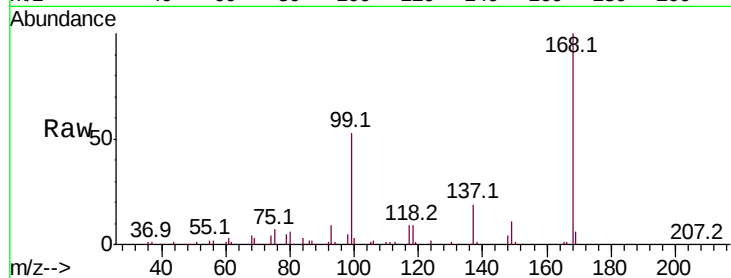
Time-->



#31
Cyclohexane
Concen: 1.660 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067658.D
Acq: 17 Nov 2020 13:15

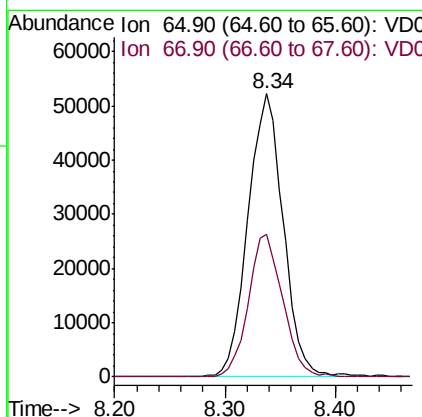
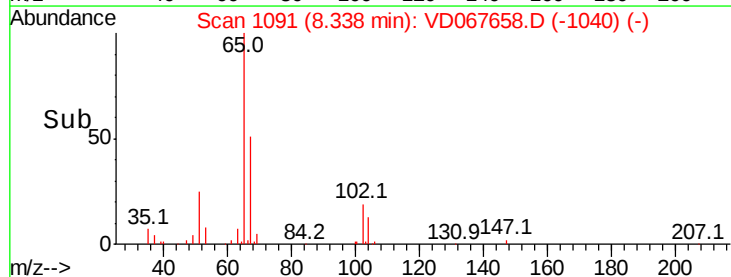
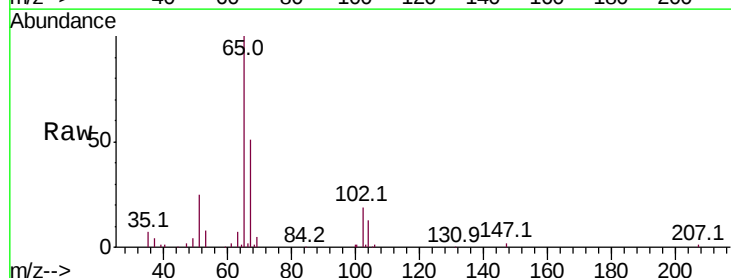
Instrument :
MSVOA_D
ClientSampled :
SS-4

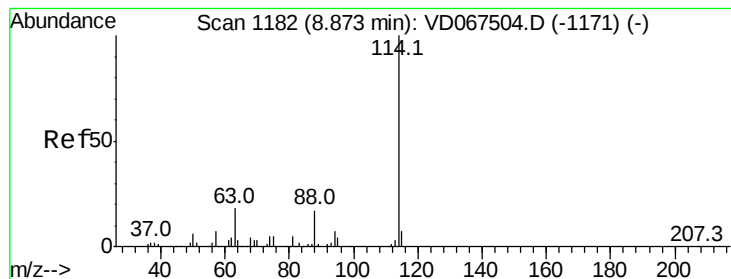
Tot Ion: 56 Resp: 5633
Ion Ratio Lower Upper
56 100
69 152.2 25.9 38.9#
84 130.3 76.2 114.4#



#33
1,2-Dichloroethane-d4
Concen: 49.992 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067658.D
Acq: 17 Nov 2020 13:15

Tgt Ion: 65 Resp: 116975
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SS-4

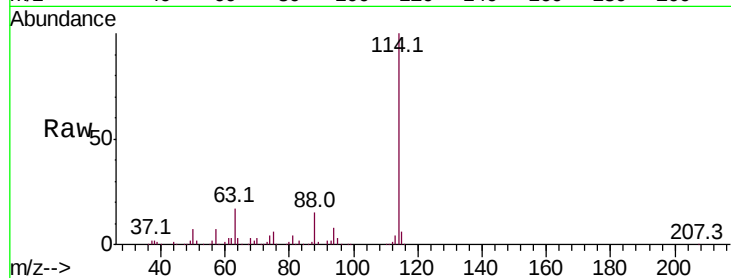
Tot Ion:114 Resp: 427770

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

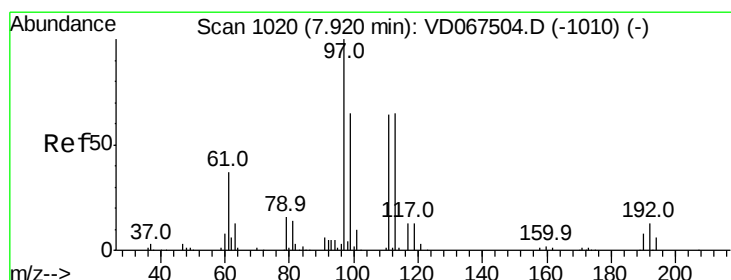
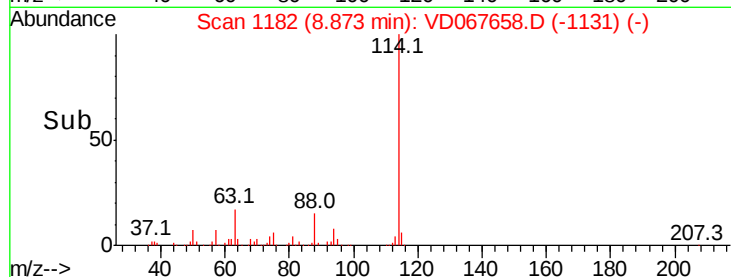
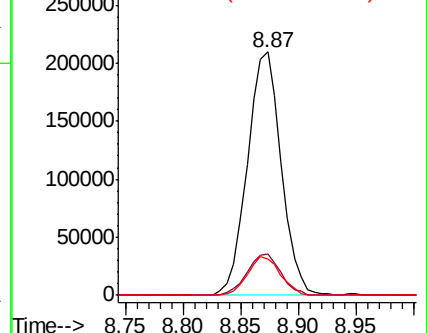
88 14.8 0.0 33.0



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: 51.825 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

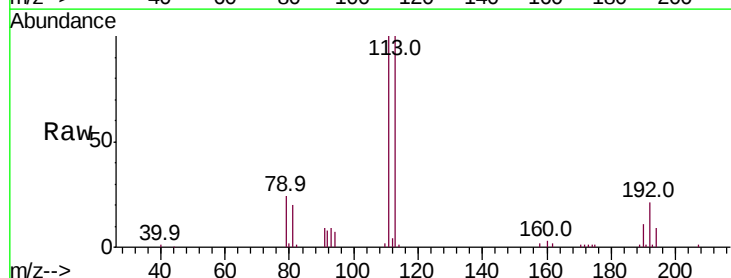
Tgt Ion:113 Resp: 133569

Ion Ratio Lower Upper

113 100

111 101.3 80.0 120.0

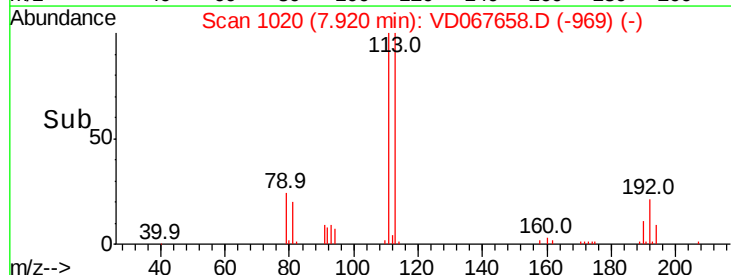
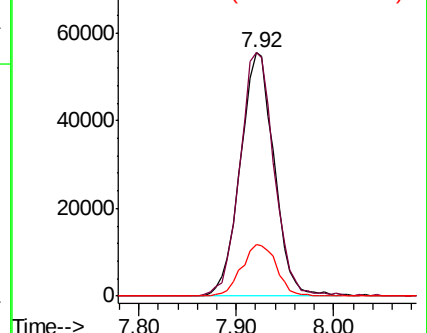
192 21.9 16.3 24.5

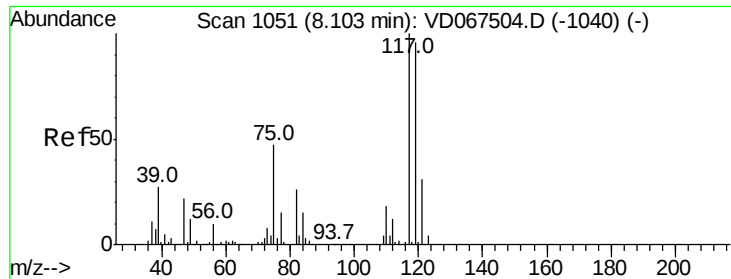


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.416 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SS-4

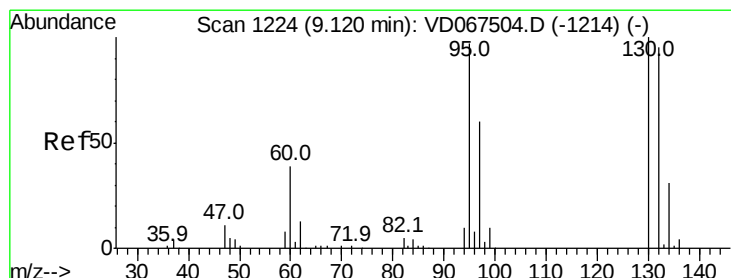
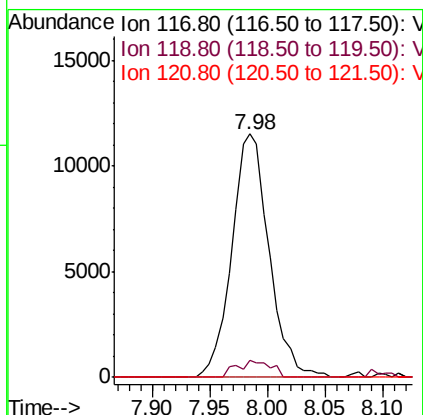
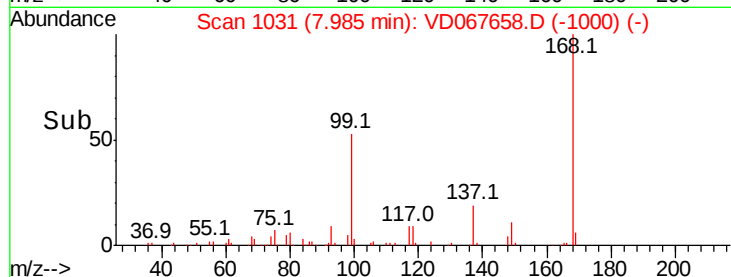
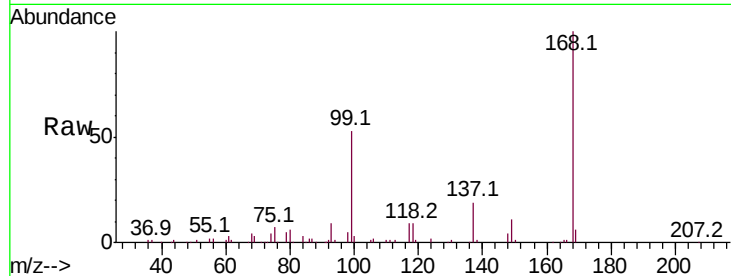
Tot Ion:117 Resp: 25765

Ion Ratio Lower Upper

117 100

119 7.2 76.9 115.3#

121 0.0 24.5 36.7#



#44

Trichloroethene

Concen: 8.197 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067658.D

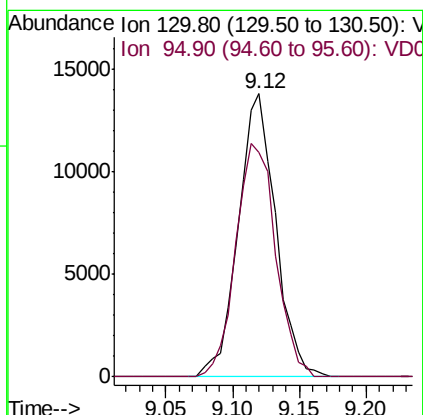
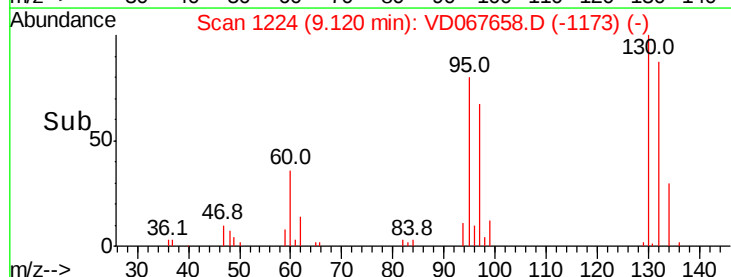
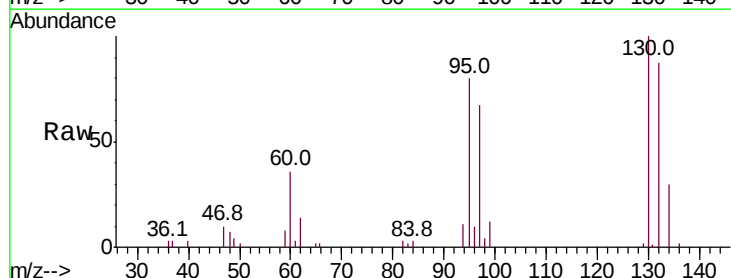
Acq: 17 Nov 2020 13:15

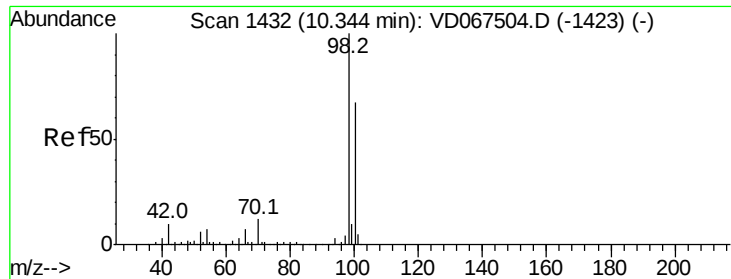
Tgt Ion:130 Resp: 26732

Ion Ratio Lower Upper

130 100

95 79.5 0.0 194.4

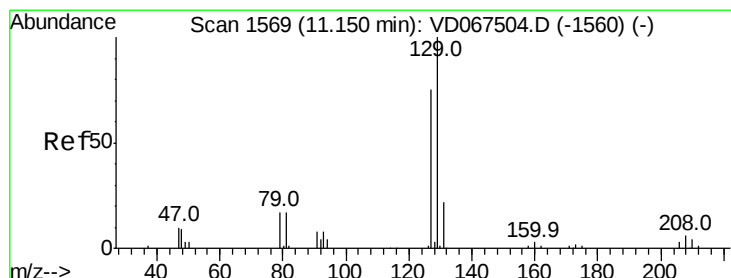
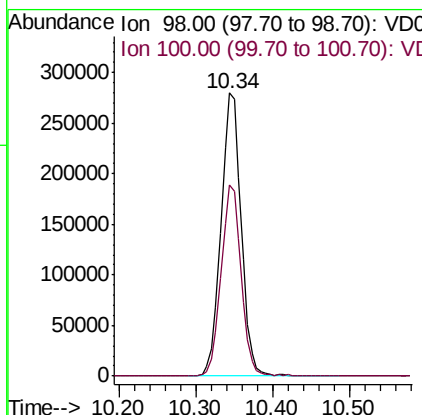
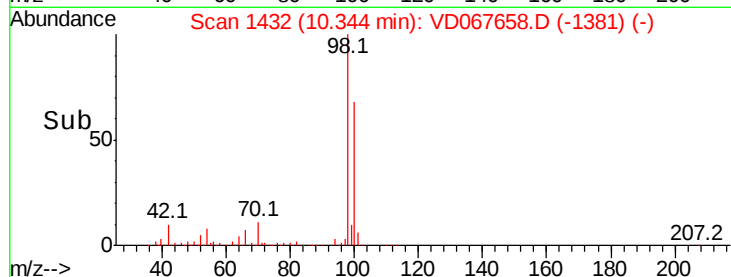
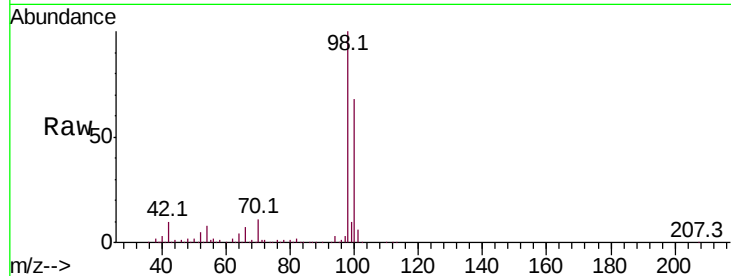




#50
Toluene-d8
Concen: 56.086 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067658.D
Acq: 17 Nov 2020 13:15

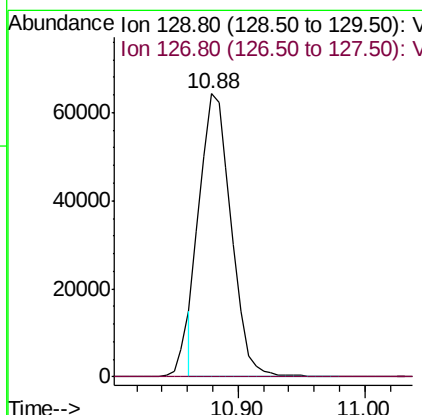
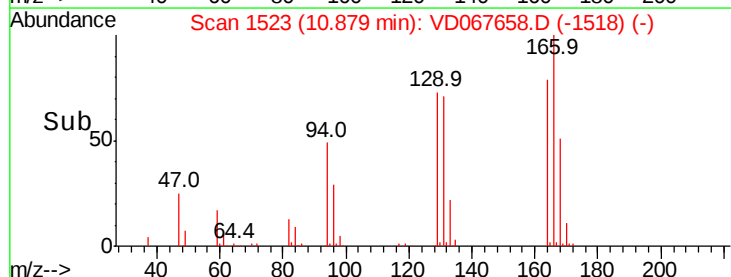
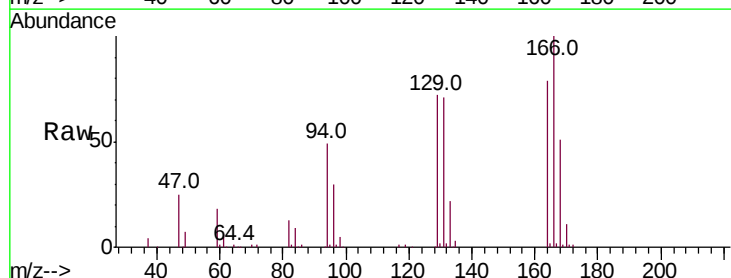
Instrument :
MSVOA_D
ClientSampleId :
SS-4

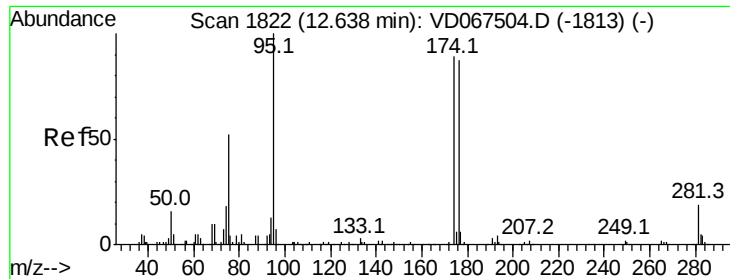
Tot Ion: 98 Resp: 507984
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6



#60
Dibromochloromethane
Concen: 41.445 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.27 min
Lab File: VD067658.D
Acq: 17 Nov 2020 13:15

Tgt Ion: 129 Resp: 110605
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.1#





#62

4-Bromofluorobenzene

Concen: 59.158 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SS-4

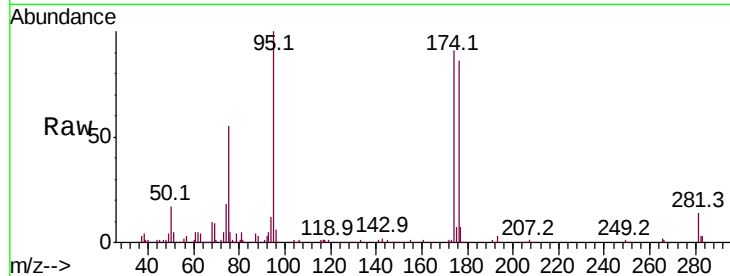
Tot Ion: 95 Resp: 184987

Ion Ratio Lower Upper

95 100

174 91.3 0.0 177.8

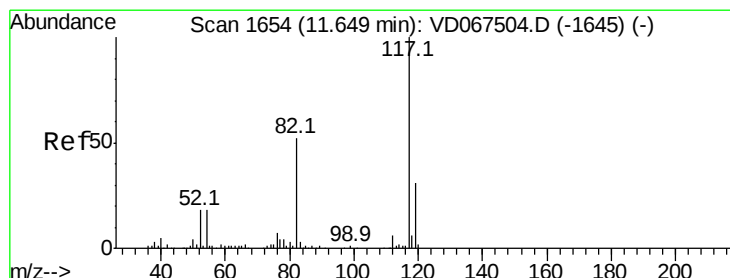
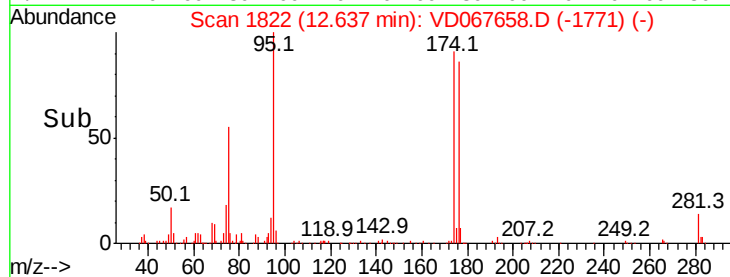
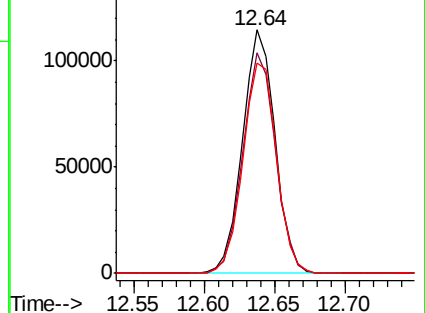
176 89.6 0.0 172.0



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: VD067658.D

Acq: 17 Nov 2020 13:15

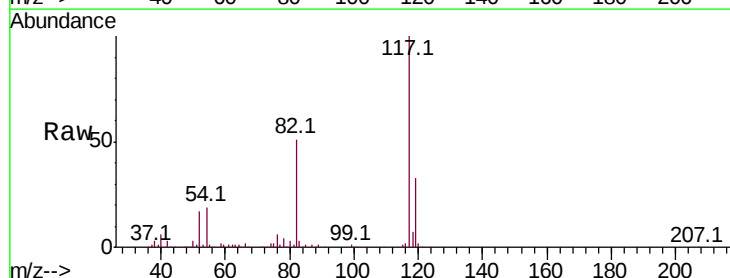
Tgt Ion: 117 Resp: 445584

Ion Ratio Lower Upper

117 100

82 51.4 41.6 62.4

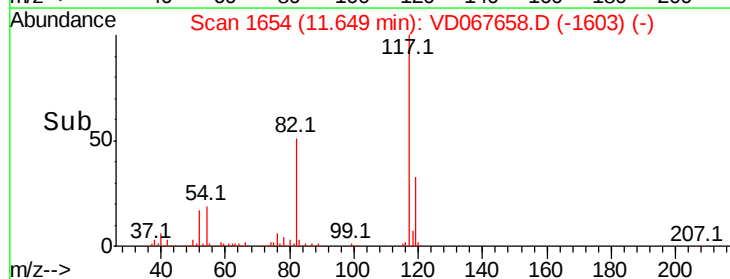
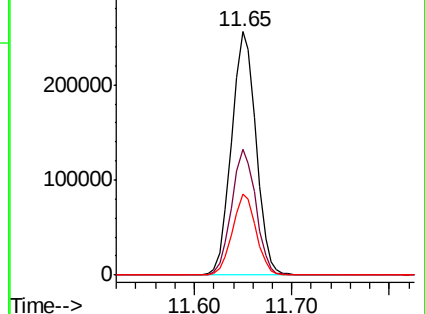
119 33.3 25.1 37.7

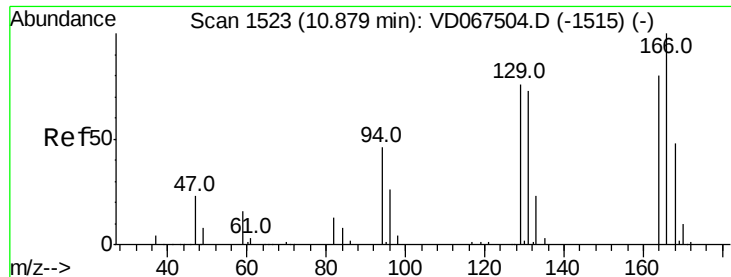


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 38.267 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SS-4

Tot Ion:164 Resp: 126279

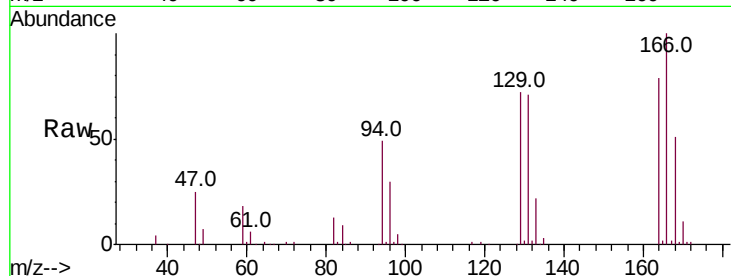
Ion Ratio Lower Upper

164 100

166 125.9 99.9 149.9

129 91.0 75.5 113.3

131 89.3 73.4 110.0

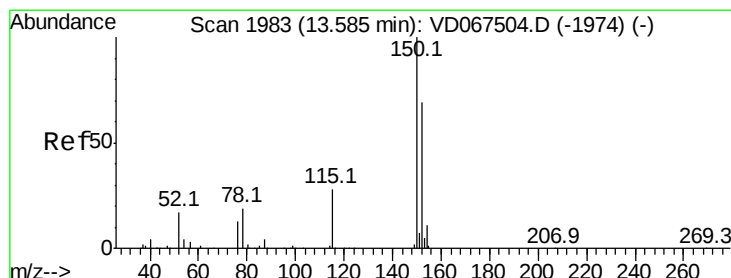
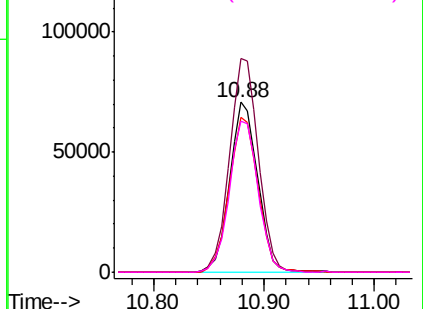
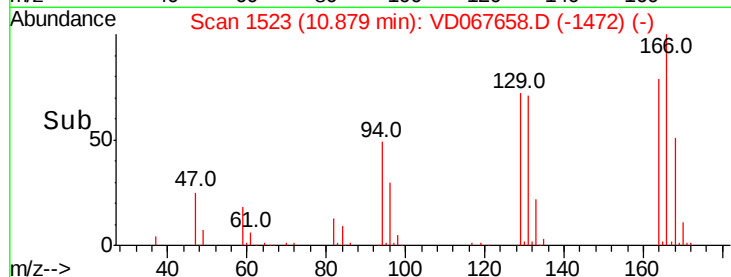


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

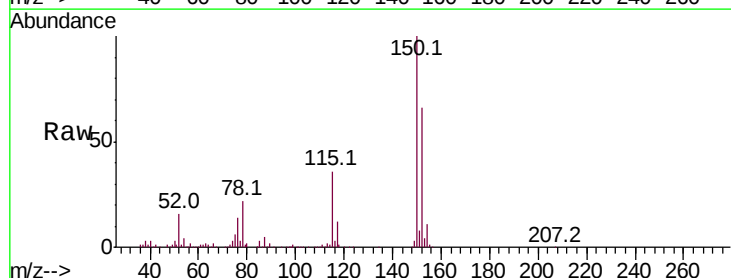
Tgt Ion:152 Resp: 212069

Ion Ratio Lower Upper

152 100

115 57.4 29.3 88.0

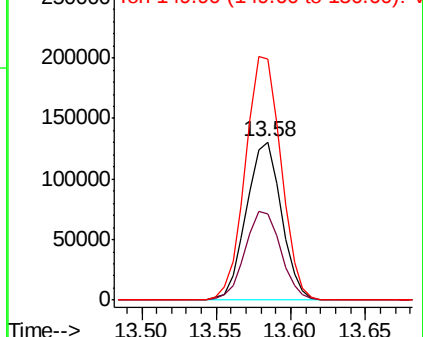
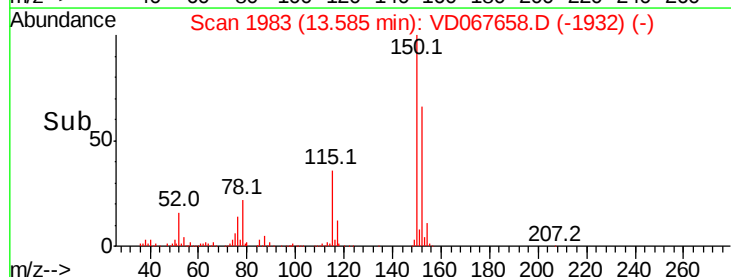
150 156.9 0.0 338.2

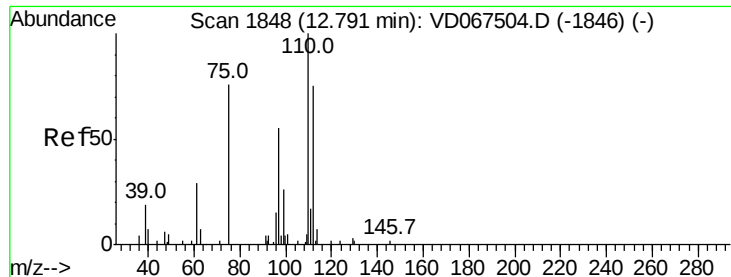


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 75.086 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

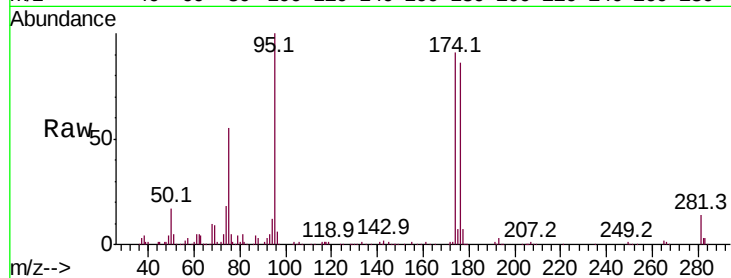
SS-4

Tot Ion: 75 Resp: 96059

Ion Ratio Lower Upper

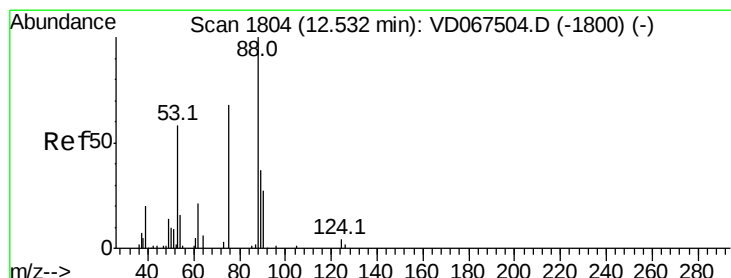
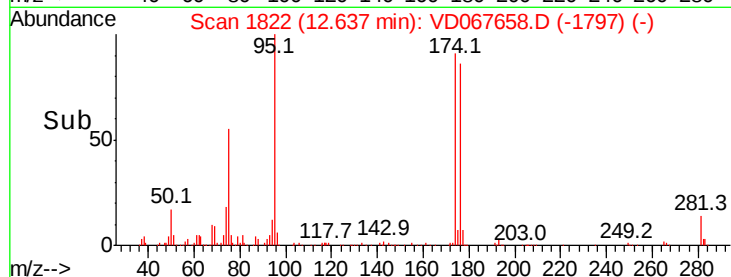
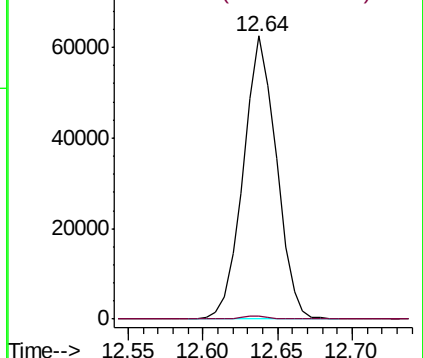
75 100

77 0.7 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: 152.444 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067658.D

Acq: 17 Nov 2020 13:15

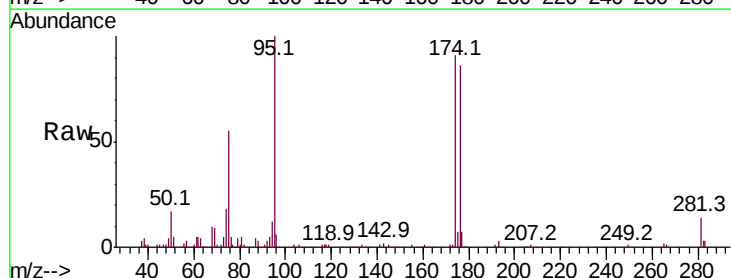
Tgt Ion: 75 Resp: 96059

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#



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

