

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067580.D
 Acq On : 10 Nov 2020 14:11
 Operator : VA/SY
 Sample : L4680-07
 Misc : 6.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110920-19-20

Quant Time: Nov 11 00:04:45 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

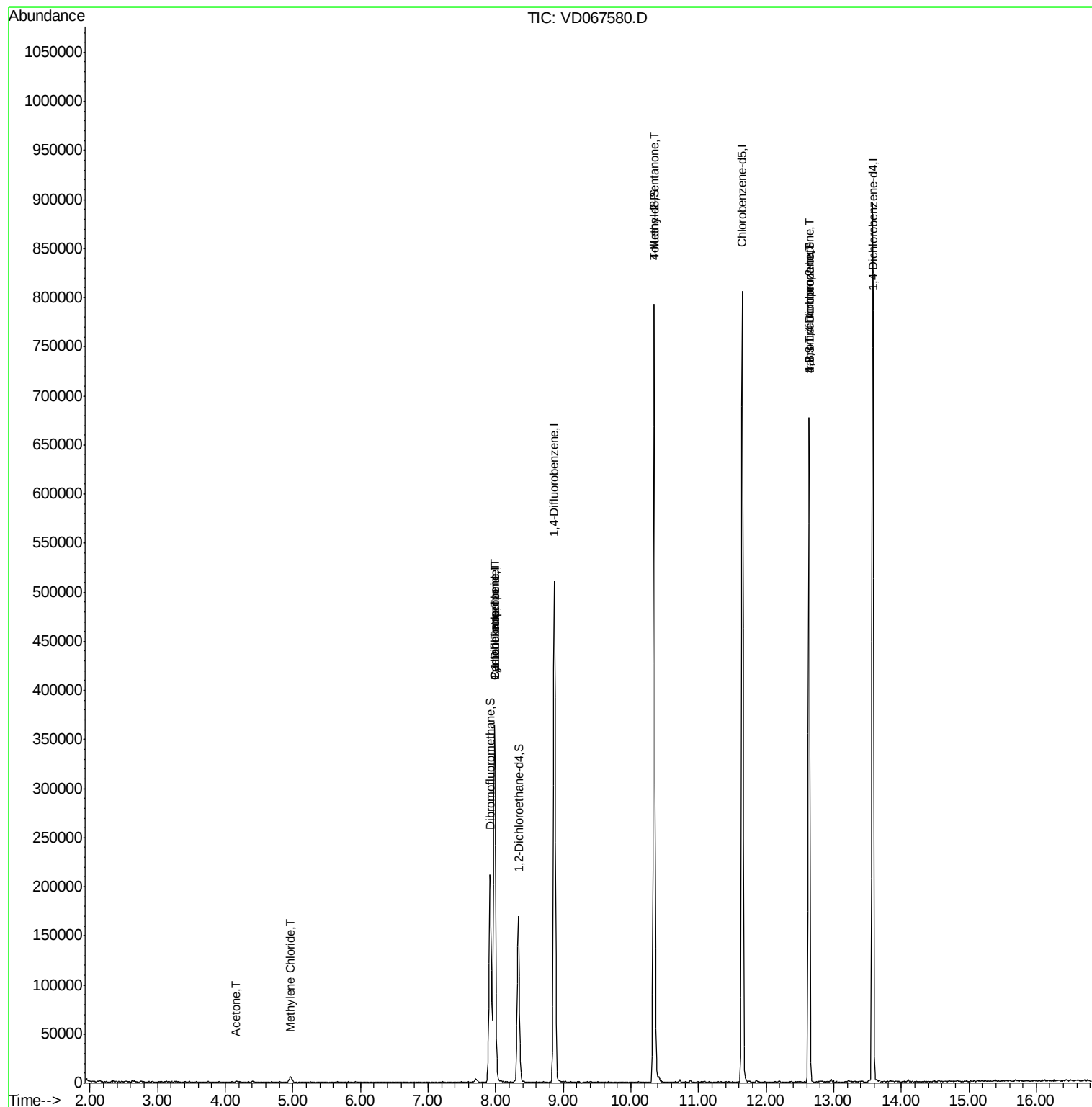
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	277783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	456479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	150016	61.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.52%	
35) Dibromofluoromethane	7.91	113	151151	54.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.92%	
50) Toluene-d8	10.34	98	539988	55.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.74%	
62) 4-Bromofluorobenzene	12.64	95	207583	62.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.42%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	304	Below Cal	#	44
16) Acetone	4.16	43	2339	6.435	ug/l	97
20) Methylene Chloride	4.96	84	4751	1.850	ug/l #	88
31) Cyclohexane	7.99	56	5028	1.427	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	17970	4.599	ug/l #	51
38) Carbon Tetrachloride	7.98	117	28478	5.609	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1954	2.037	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	107049	70.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107049	142.630	ug/l #	10

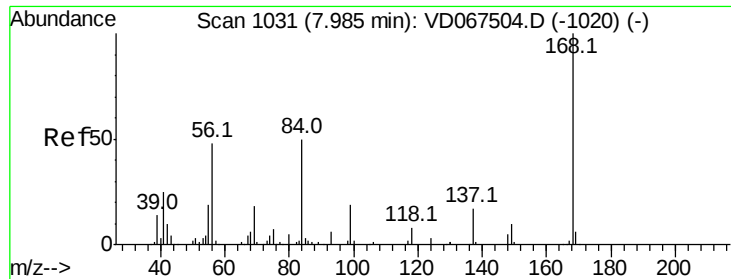
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
Data File : VD067580.D
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Quant Time: Nov 11 00:04:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

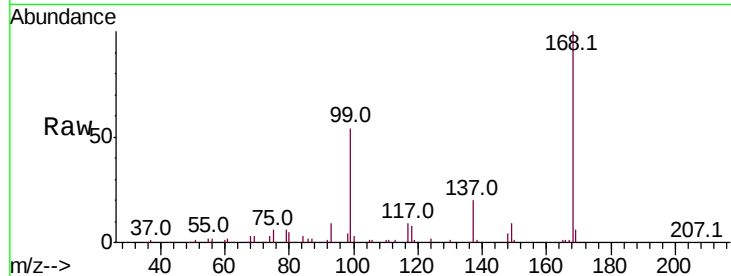
PAV-B7-110920-19-20

Tot Ion:168 Resp: 277783

Ion Ratio Lower Upper

168 100

99 54.0 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

150000

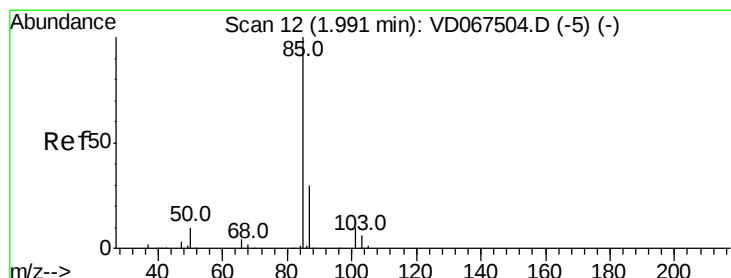
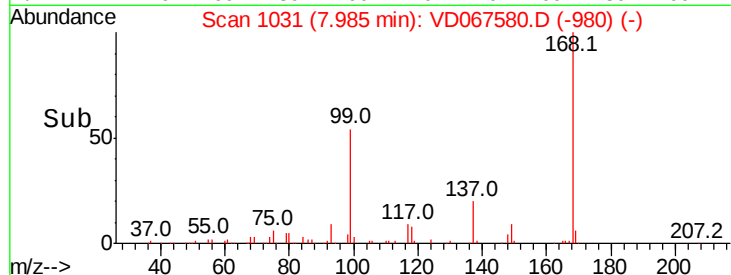
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067580.D

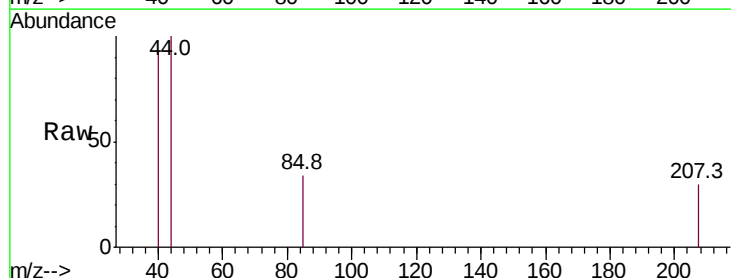
Acq: 10 Nov 2020 14:11

Tgt Ion: 85 Resp: 304

Ion Ratio Lower Upper

85 100

87 0.0 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

300

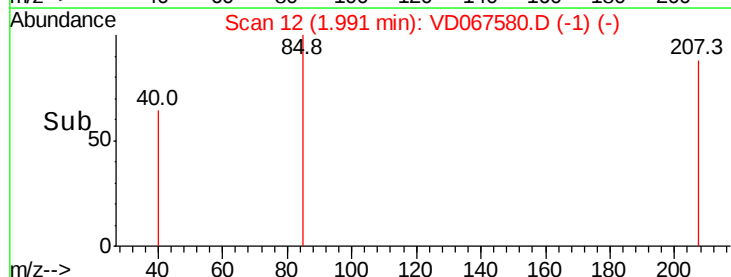
200

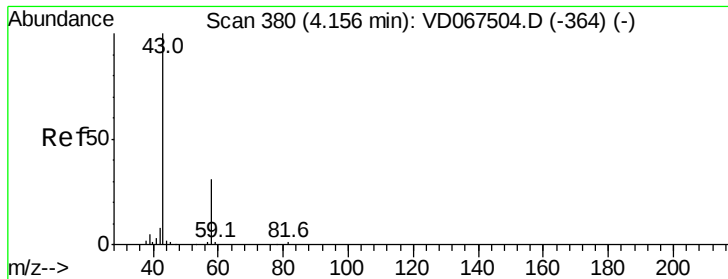
100

0

Time-->

1.96 1.98 2.00 2.02





#16

Acetone

Concen: 6.435 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

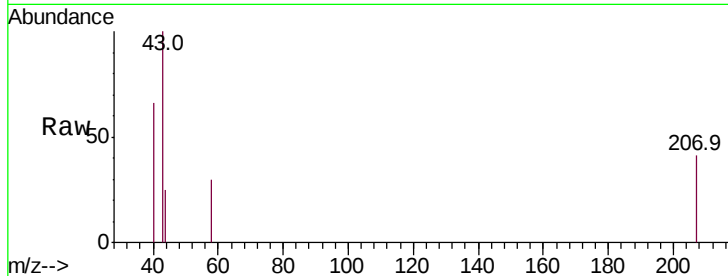
PAV-B7-110920-19-20

Tot Ion: 43 Resp: 2339

Ion Ratio Lower Upper

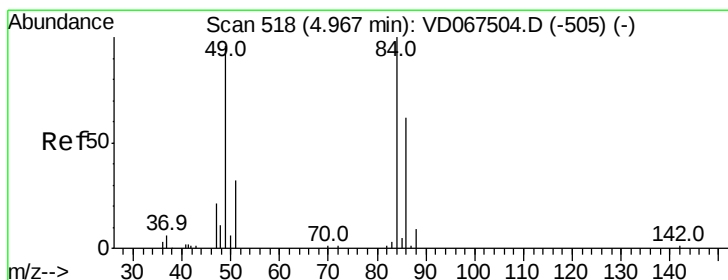
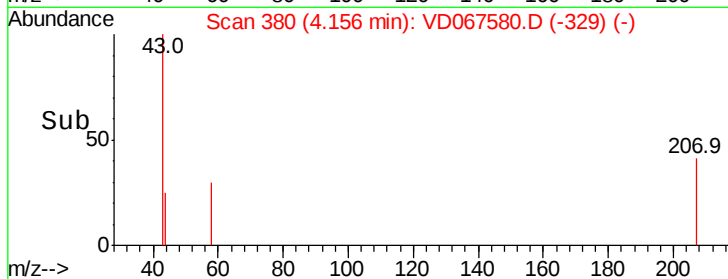
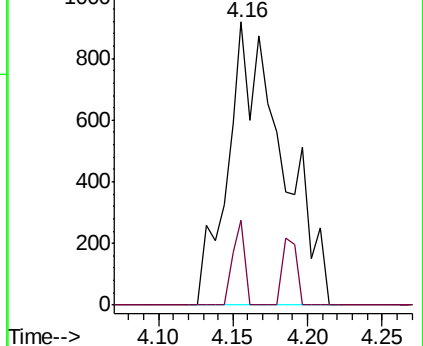
43 100

58 29.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.850 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Tgt Ion: 84 Resp: 4751

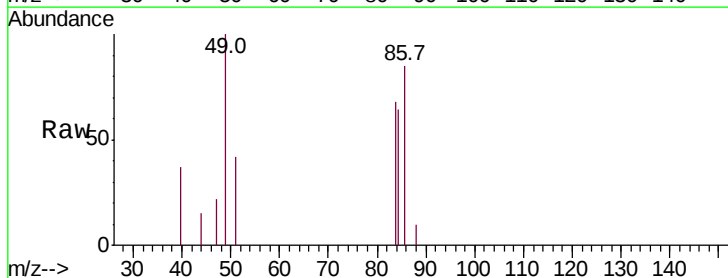
Ion Ratio Lower Upper

84 100

49 75.8 77.0 115.4#

51 31.9 25.4 38.2

86 64.7 49.4 74.0

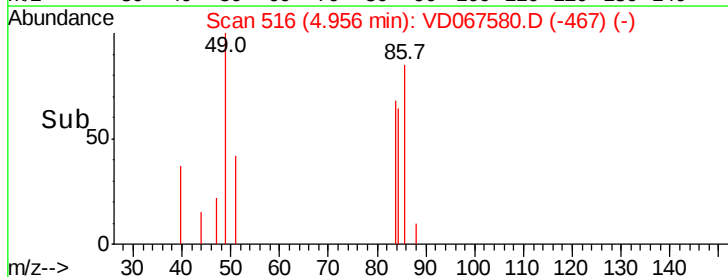
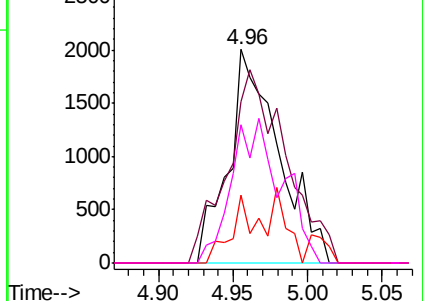


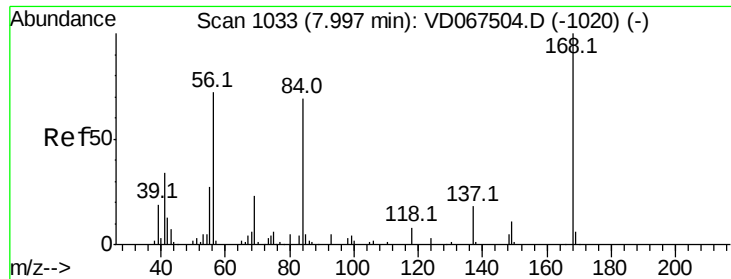
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

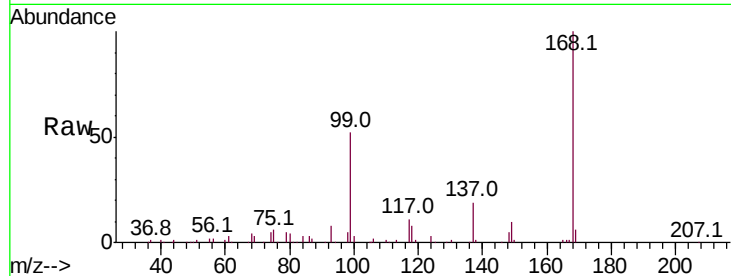




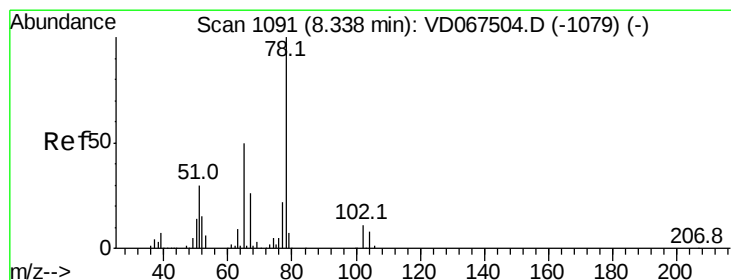
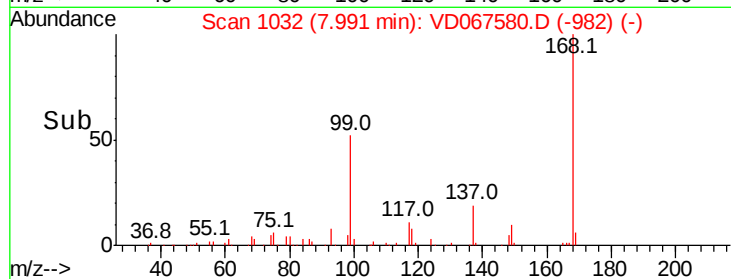
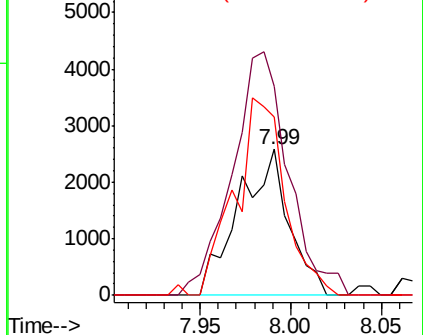
#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067580.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
PAV-B7-110920-19-20

Tot Ion: 56 Resp: 5028
Ion Ratio Lower Upper
56 100
69 133.9 25.9 38.9#
84 122.2 76.2 114.4#

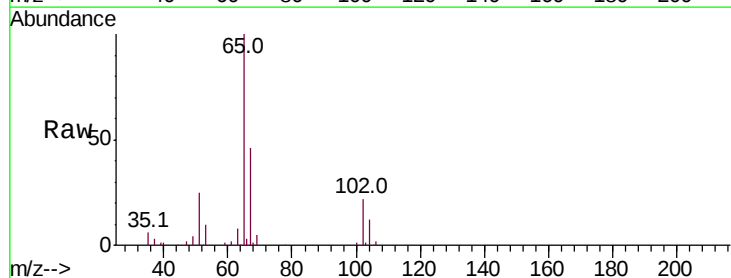


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

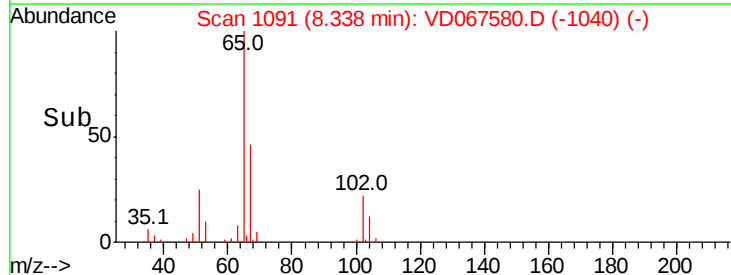
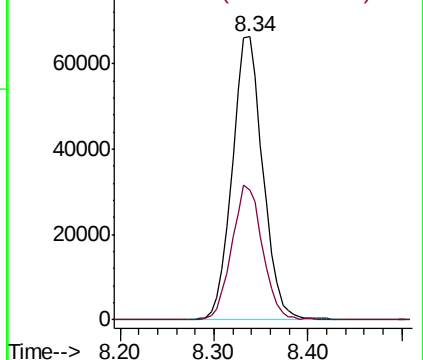


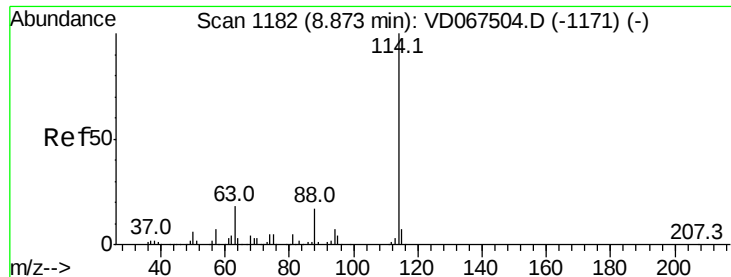
#33
1,2-Dichloroethane-d4
Concen: 61.763 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067580.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 65 Resp: 150016
Ion Ratio Lower Upper
65 100
67 47.7 0.0 99.4



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. -0.01 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20

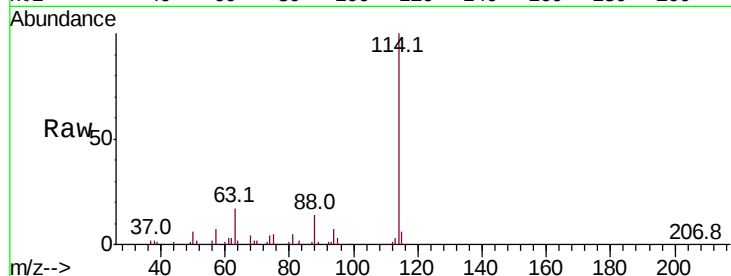
Tot Ion:114 Resp: 456479

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 14.3 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

300000

250000

200000

150000

100000

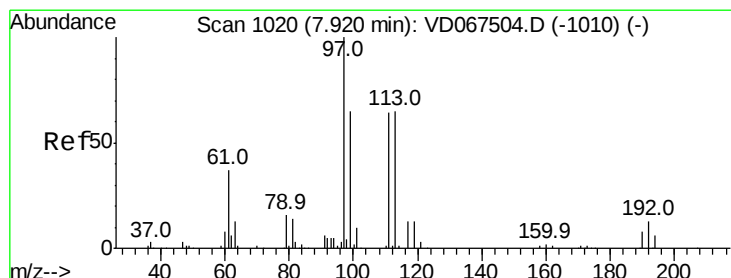
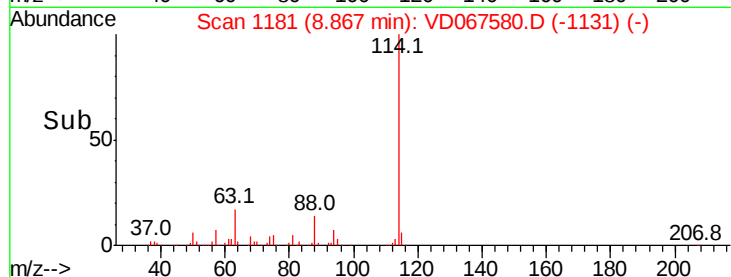
50000

0

8.87

8.85 8.90 8.95

Time-->



#35

Dibromofluoromethane

Concen: 54.959 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

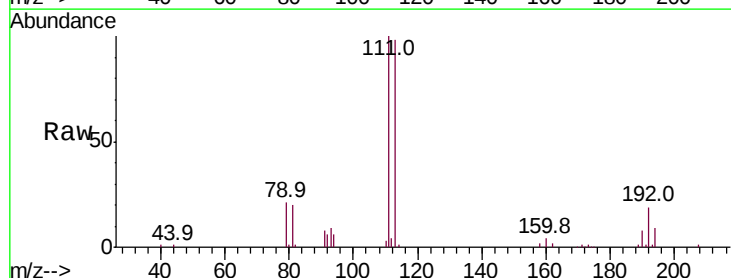
Tgt Ion:113 Resp: 151151

Ion Ratio Lower Upper

113 100

111 103.3 80.0 120.0

192 21.6 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

80000

60000

40000

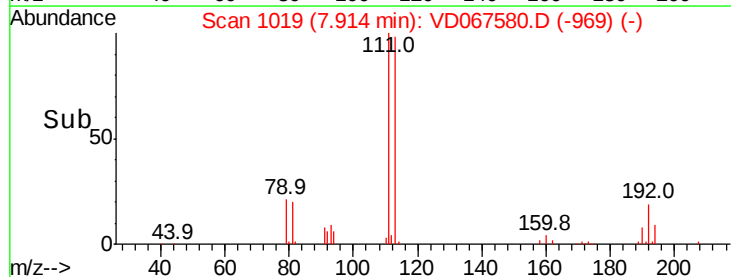
20000

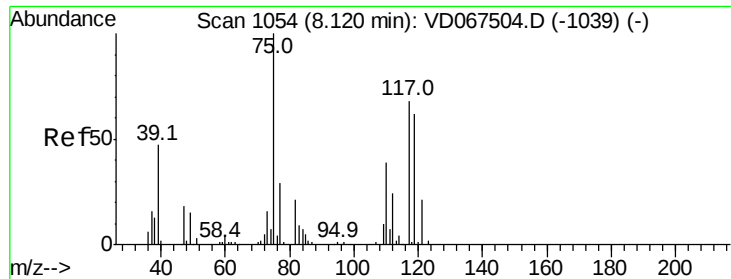
0

7.91

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20

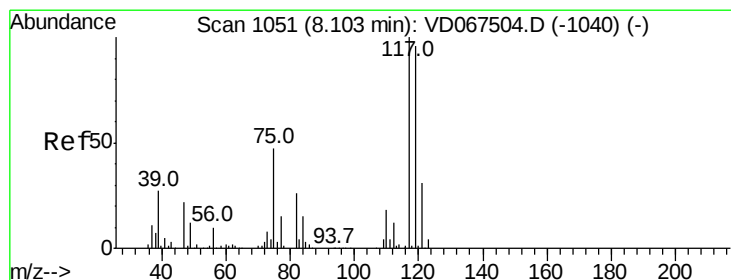
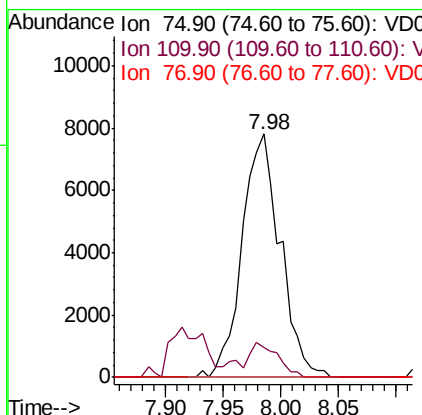
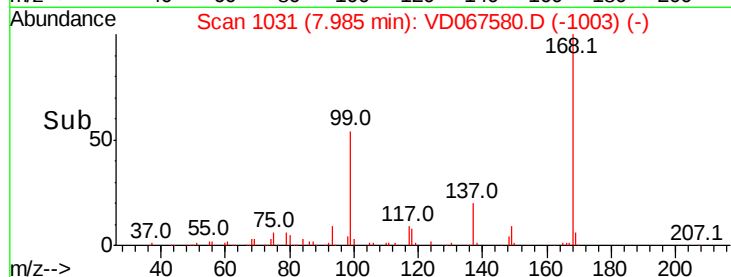
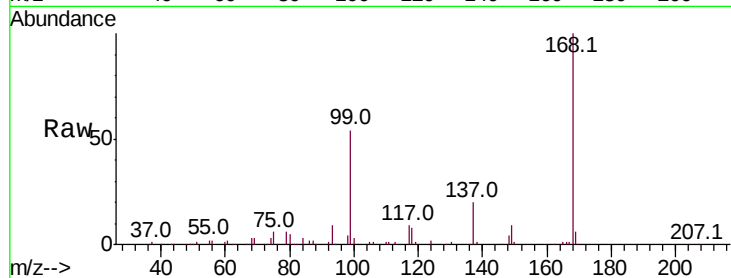
Tot Ion: 75 Resp: 17970

Ion Ratio Lower Upper

75 100

110 13.0 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

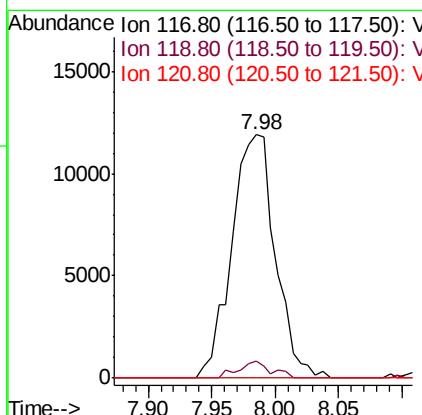
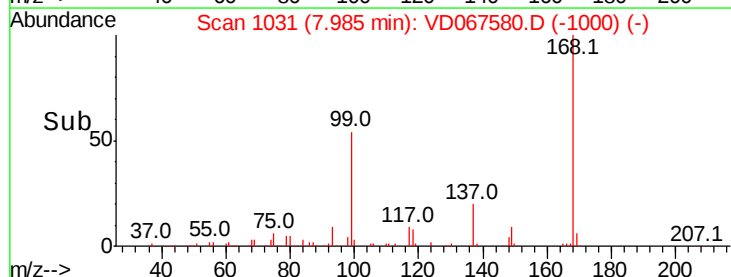
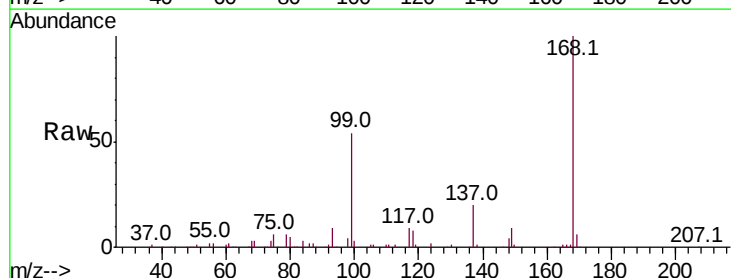
Tgt Ion: 117 Resp: 28478

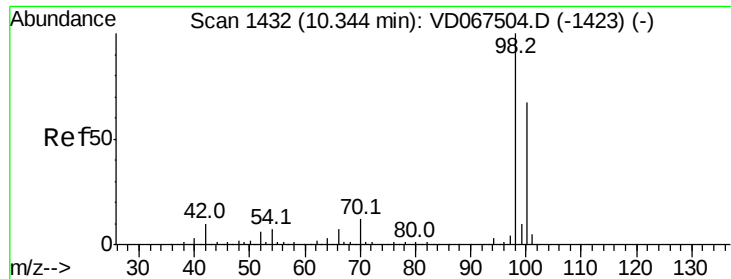
Ion Ratio Lower Upper

117 100

119 7.1 76.9 115.3#

121 0.0 24.5 36.7#

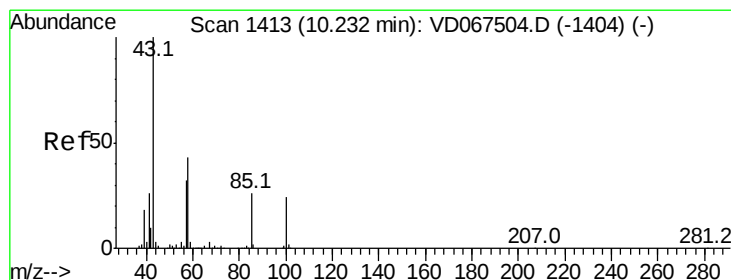
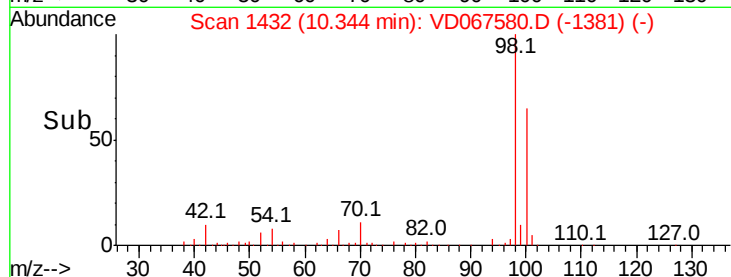
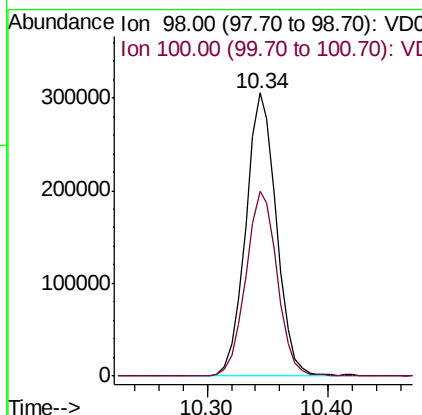
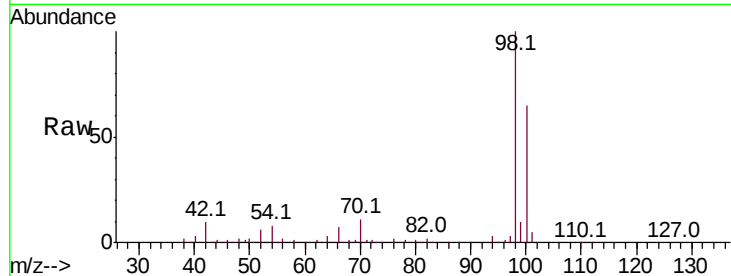




#50
Toluene-d8
Concen: 55.870 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067580.D
Acq: 10 Nov 2020 14:11

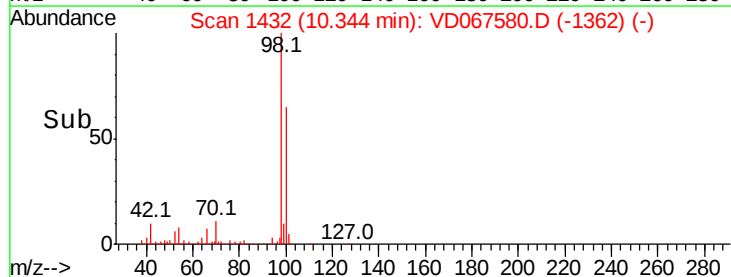
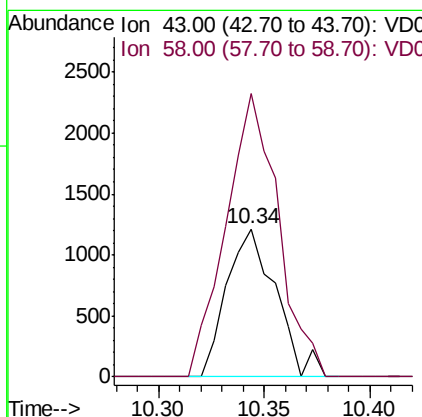
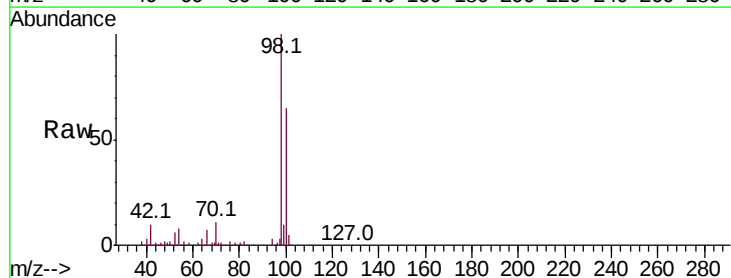
Instrument :
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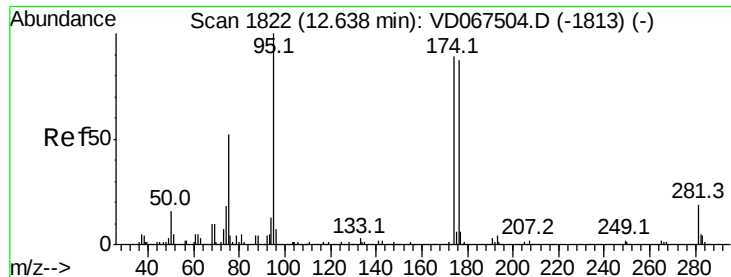
Tot Ion: 98 Resp: 539988
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.037 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067580.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 43 Resp: 1954
Ion Ratio Lower Upper
43 100
58 203.8 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 62.209 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20

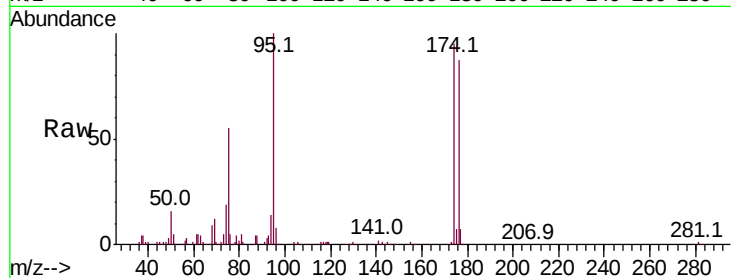
Tot Ion: 95 Resp: 207583

Ion Ratio Lower Upper

95 100

174 90.8 0.0 177.8

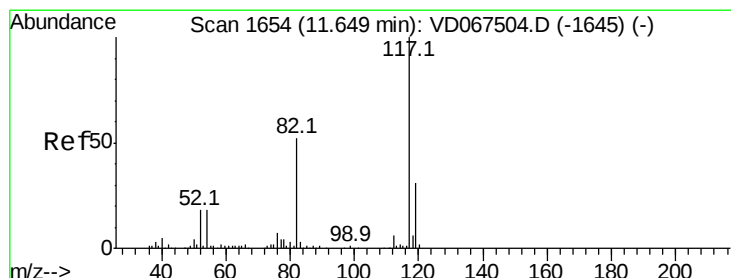
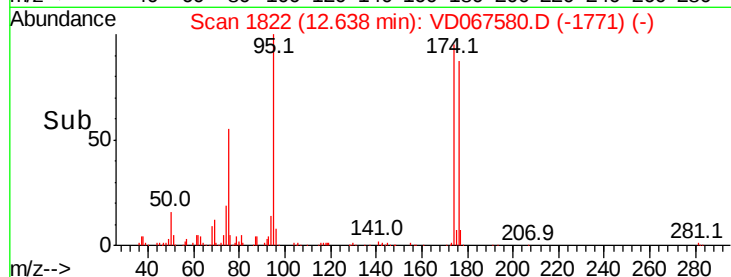
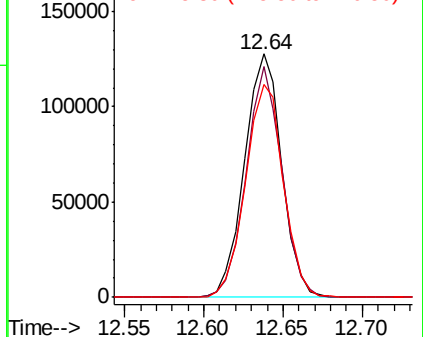
176 88.9 0.0 172.0



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: VD067580.D

Acq: 10 Nov 2020 14:11

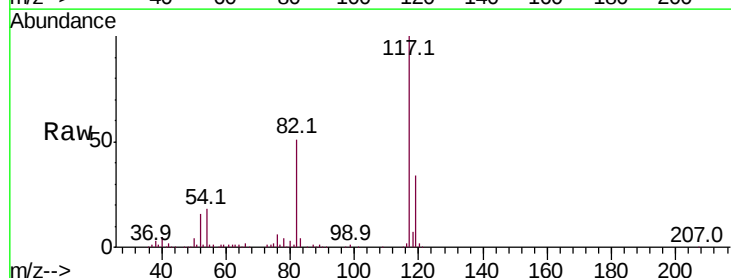
Tgt Ion: 117 Resp: 478733

Ion Ratio Lower Upper

117 100

82 50.8 41.6 62.4

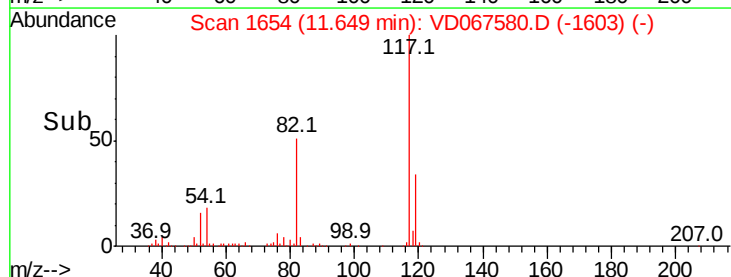
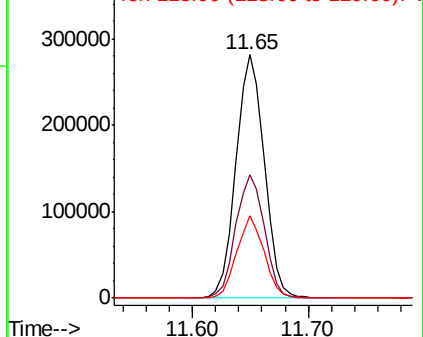
119 33.9 25.1 37.7

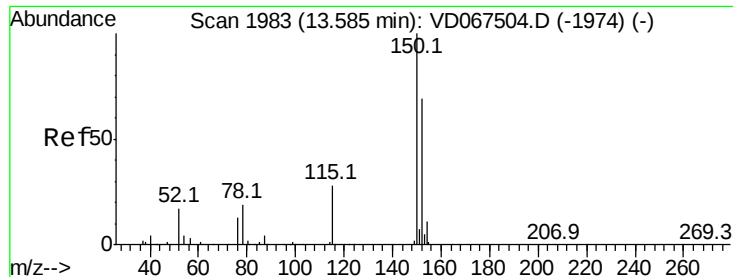


Abundance Ion 116.90 (116.60 to 117.60): V

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. -0.01 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20

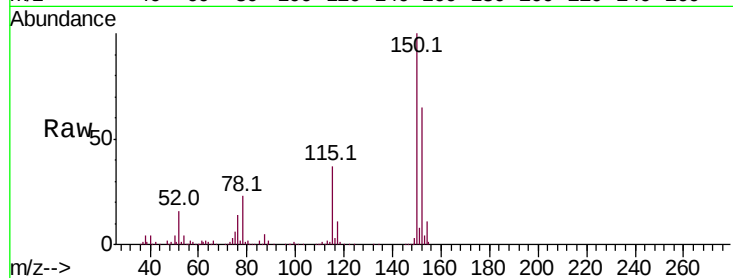
Tot Ion:152 Resp: 252593

Ion Ratio Lower Upper

152 100

115 57.4 29.3 88.0

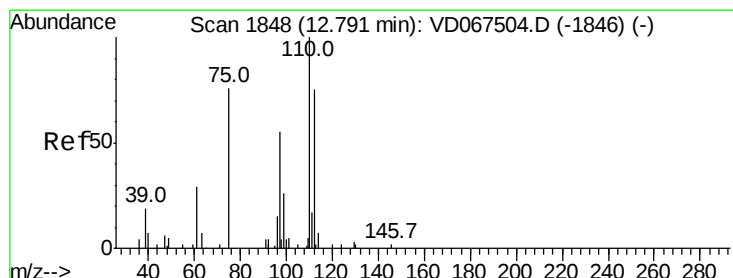
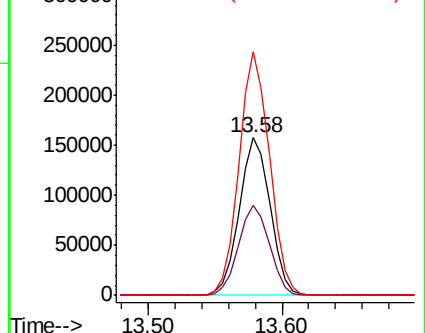
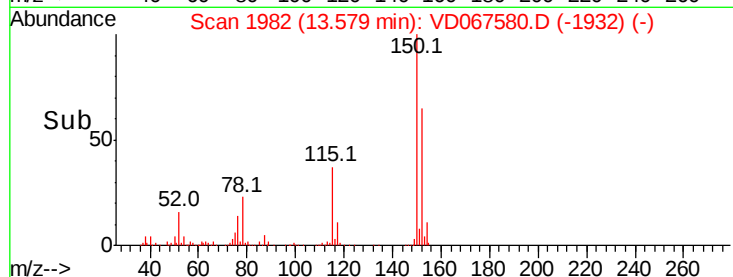
150 152.0 0.0 338.2



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: 70.252 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067580.D

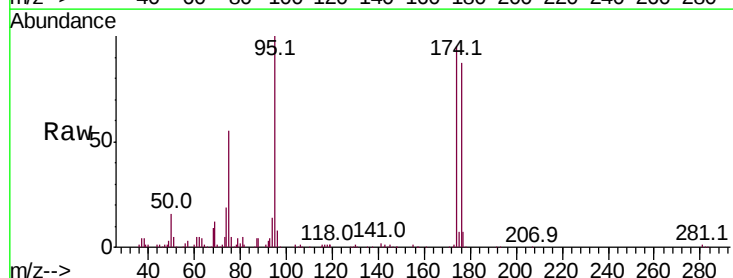
Acq: 10 Nov 2020 14:11

Tgt Ion: 75 Resp: 107049

Ion Ratio Lower Upper

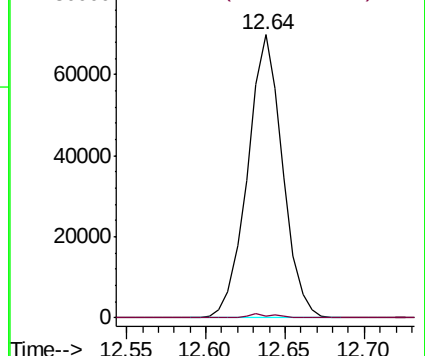
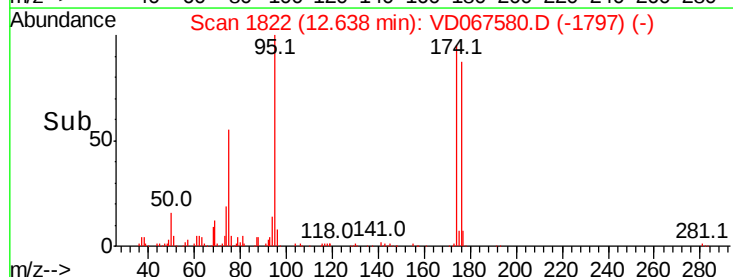
75 100

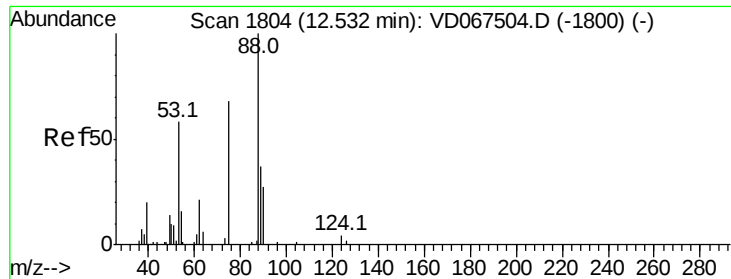
77 1.1 0.0 0.0#



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: 142.630 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067580.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20

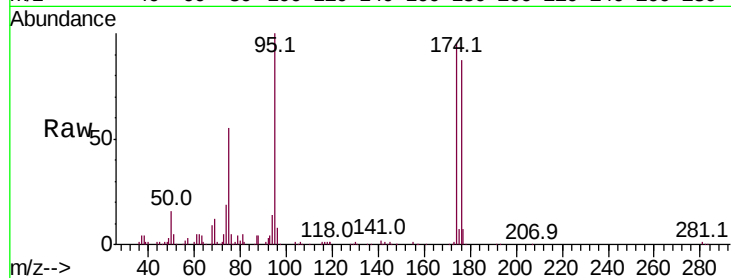
Tot Ion: 75 Resp: 107049

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 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

