

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067821.D
 Acq On : 30 Nov 2020 18:22
 Operator : VA/SY
 Sample : L4891-07
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B3-112420-10.5-11.5

Quant Time: Dec 01 00:18:28 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	7.98	168	161799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	246967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	191802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	62470	50.00	ug/l	0.00

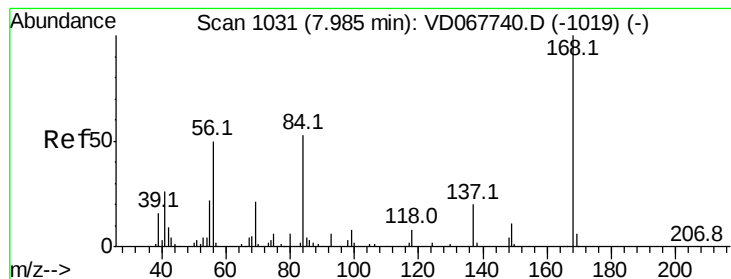
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99321	63.13	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.26%
35) Dibromofluoromethane	7.92	113	82540	52.52	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.04%
50) Toluene-d8	10.34	98	251876	43.83	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.66%
62) 4-Bromofluorobenzene	12.63	95	60247	30.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.34%

Target Compounds

					Qvalue	
16) Acetone	4.16	43	3009	14.805	ug/l #	87
20) Methylene Chloride	4.96	84	4514	Below Cal	#	78
25) 2-Butanone	7.21	43	791	3.468	ug/l #	74
29) Tetrahydrofuran	7.57	42	247	1.905	ug/l #	62
31) Cyclohexane	7.98	56	3475	1.826	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	10772	5.083	ug/l #	46
37) Ethyl Acetate	7.21	43	791	1.388	ug/l #	81
38) Carbon Tetrachloride	7.98	117	16356	5.324	ug/l #	12
51) 4-Methyl-2-Pentanone	10.34	43	982	1.834	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	32795	75.324	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	32795	176.177	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

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MSVOA_D

ClientSampleId :

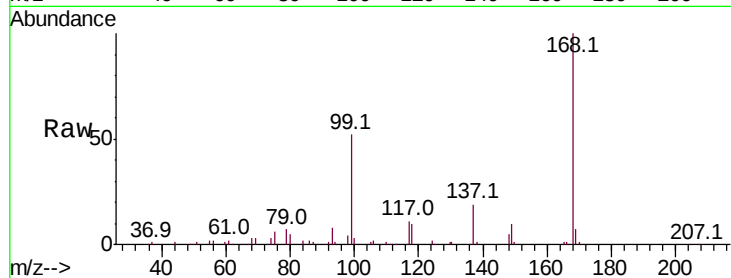
PAV-B3-112420-10.5-11.5

Tot Ion:168 Resp: 161799

Ion Ratio Lower Upper

168 100

99 52.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

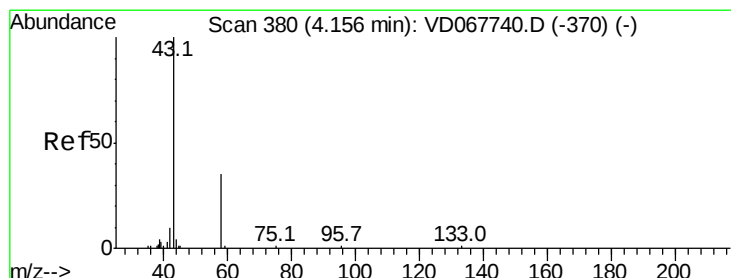
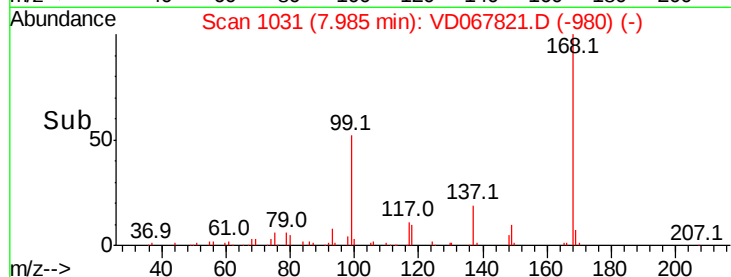
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 14.805 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067821.D

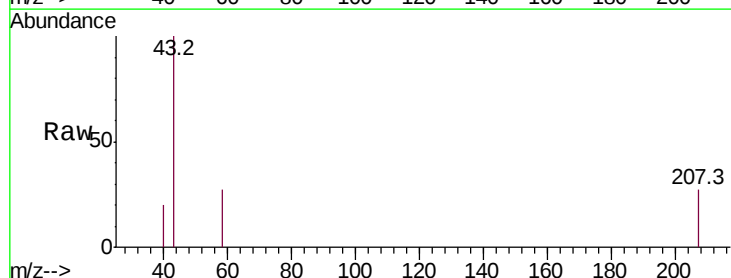
Acq: 30 Nov 2020 18:22

Tgt Ion: 43 Resp: 3009

Ion Ratio Lower Upper

43 100

58 27.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

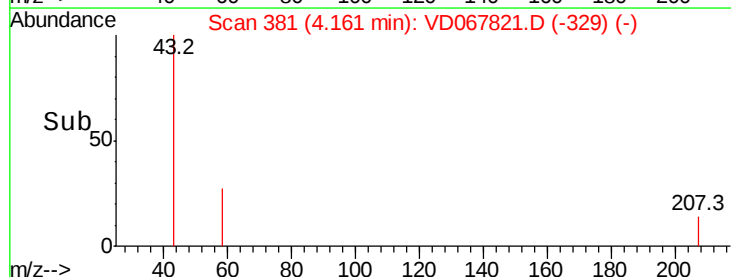
1000

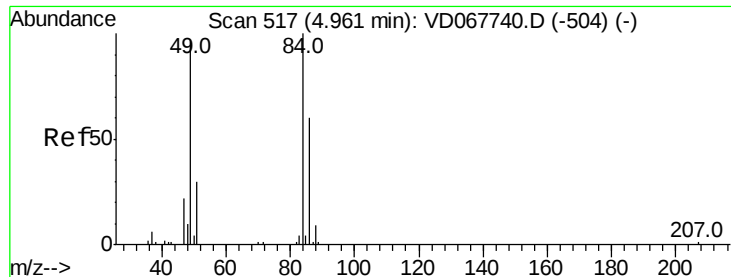
500

0

4.10 4.15 4.20

Time-->

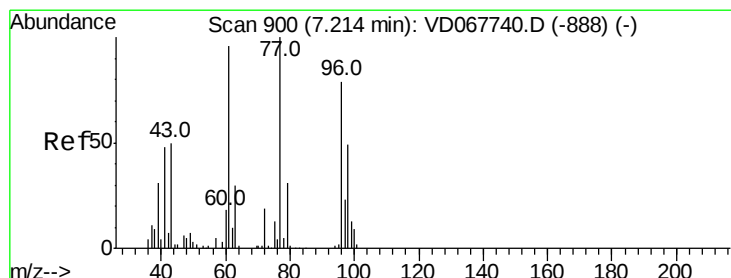
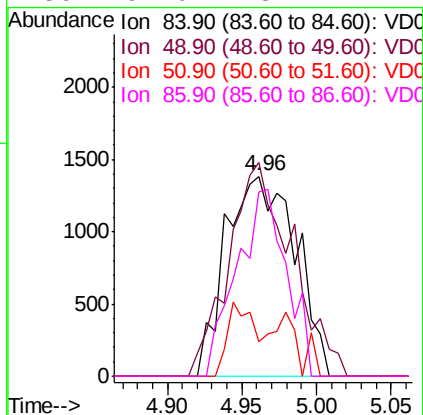
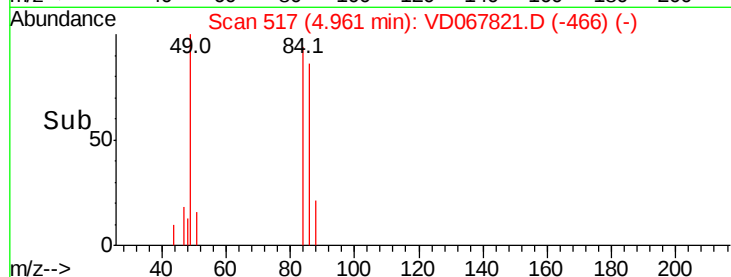
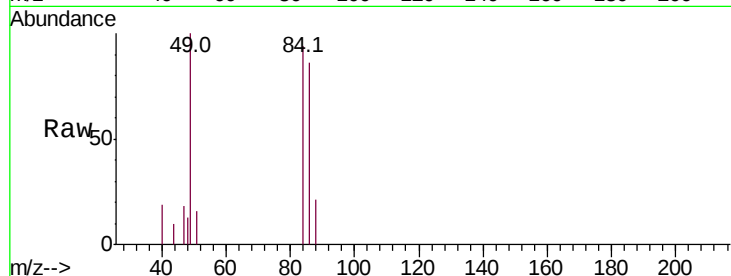




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067821.D
Acq: 30 Nov 2020 18:22

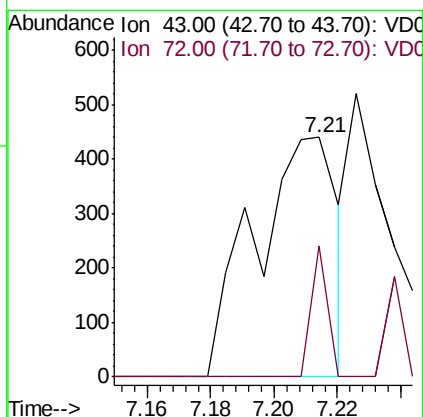
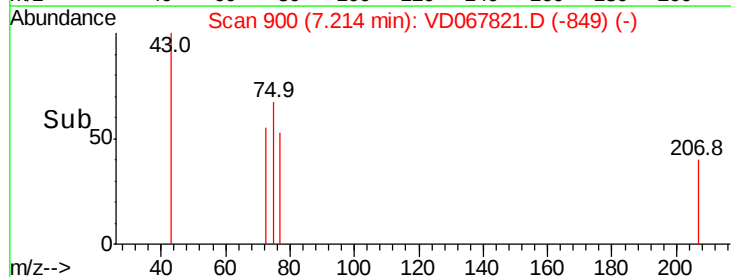
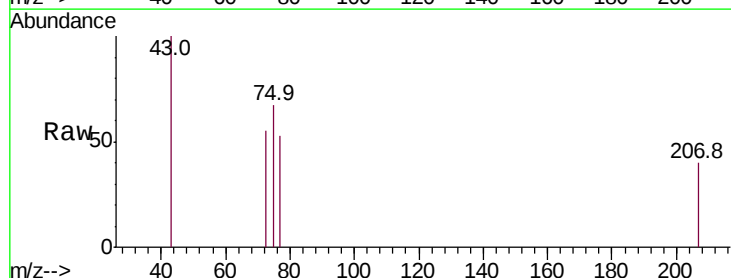
Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-10.5-11.5

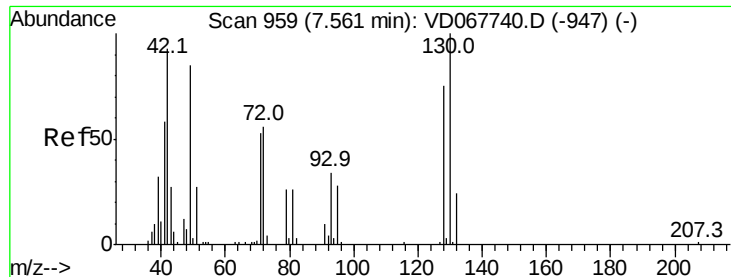
Tot Ion: 84 Resp: 4514
Ion Ratio Lower Upper
84 100
49 106.6 77.4 116.2
51 17.3 24.1 36.1#
86 92.0 48.2 72.2#



#25
2-Butanone
Concen: 3.468 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067821.D
Acq: 30 Nov 2020 18:22

Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
72 54.5 30.8 46.2#





#29

Tetrahydrofuran

Concen: 1.905 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

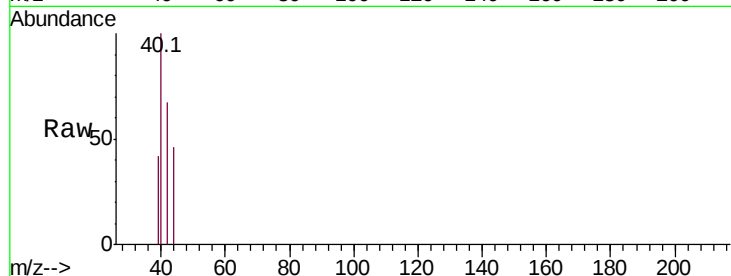
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

72 60.7 49.3 73.9

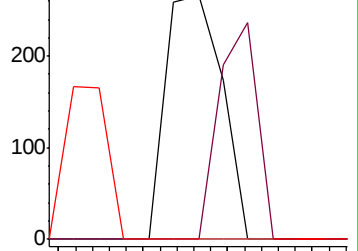
71 0.0 45.9 68.9#



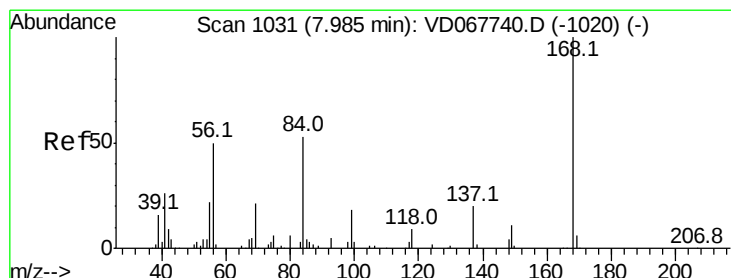
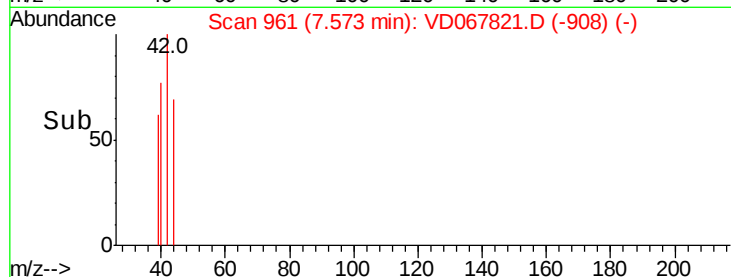
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.826 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

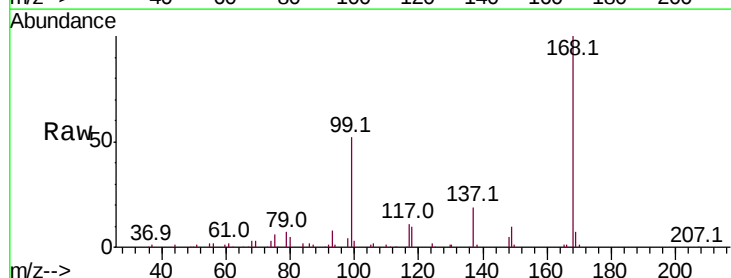
Tgt Ion: 56 Resp: 3475

Ion Ratio Lower Upper

56 100

69 134.4 33.2 49.8#

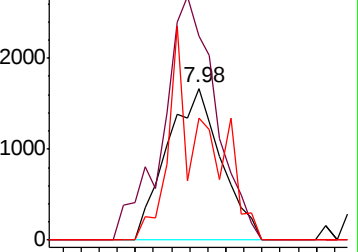
84 80.9 84.8 127.2#



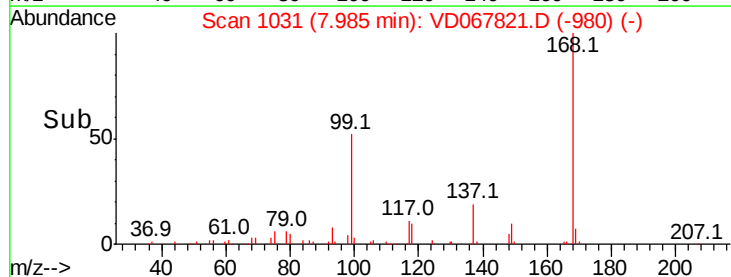
Abundance Ion 56.00 (55.70 to 56.70): VDC

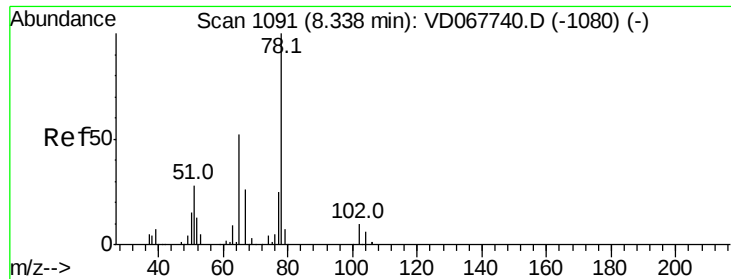
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: 63.133 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

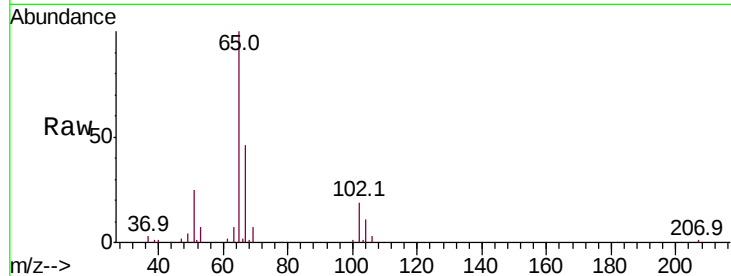
PAV-B3-112420-10.5-11.5

Tot Ion: 65 Resp: 99321

Ion Ratio Lower Upper

65 100

67 48.0 0.0 101.0

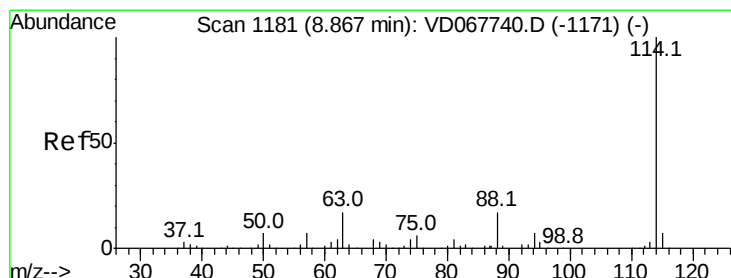
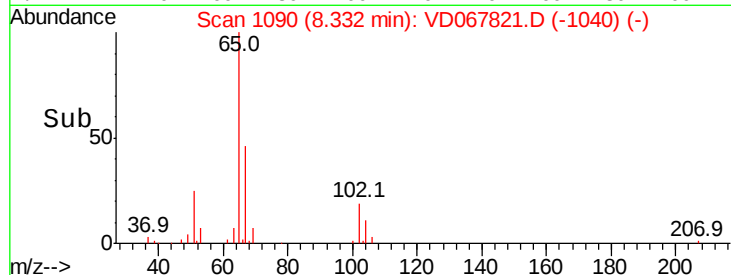


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

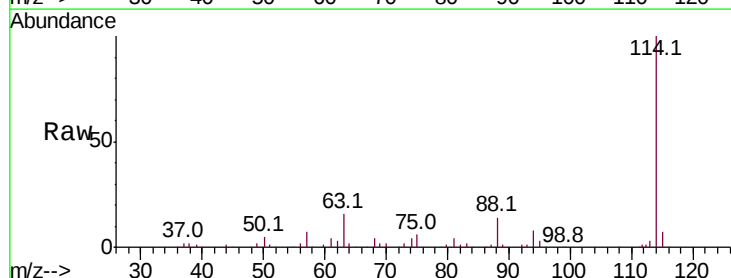
Tgt Ion:114 Resp: 246967

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.8

88 14.4 0.0 34.4



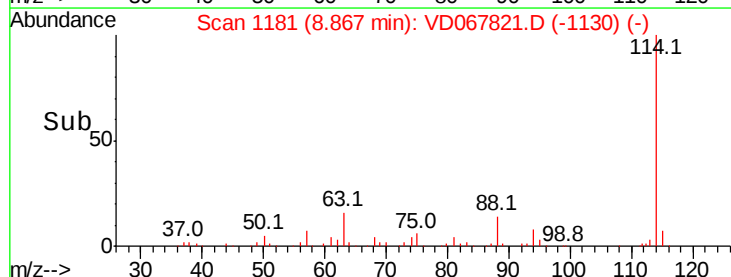
Abundance Ion 113.90 (113.60 to 114.60): V

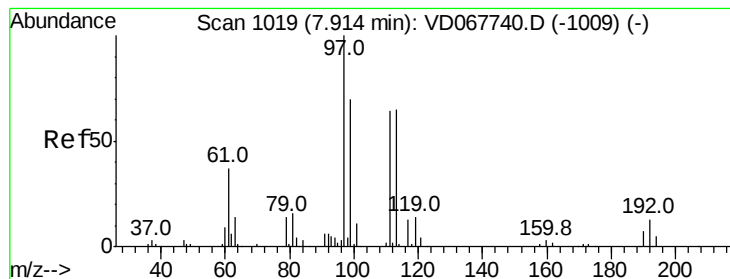
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->





#35

Dibromofluoromethane

Concen: 52.517 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

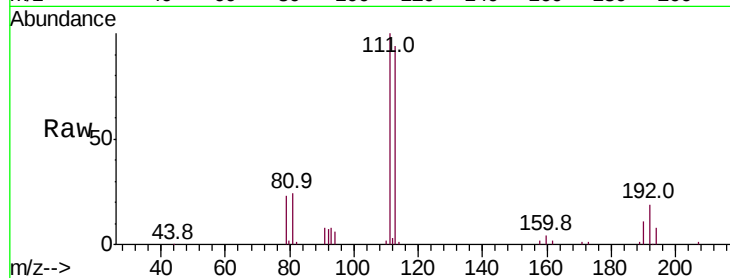
Tot Ion:113 Resp: 82540

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

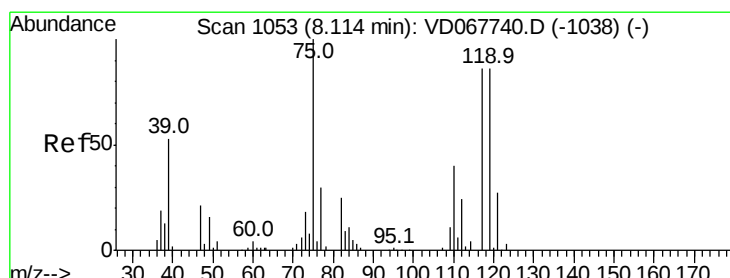
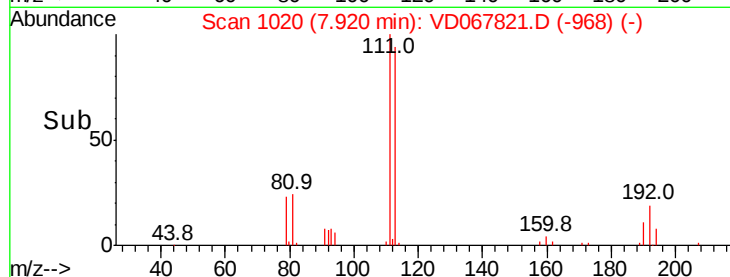
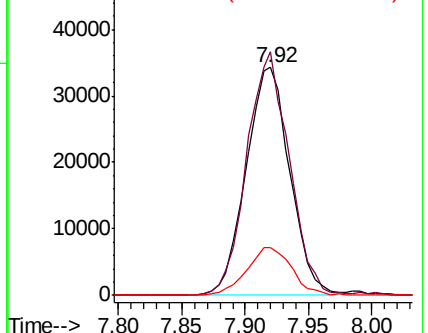
192 21.4 17.0 25.4



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: 5.083 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

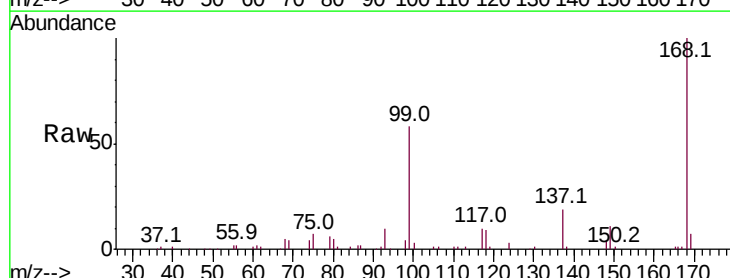
Tgt Ion: 75 Resp: 10772

Ion Ratio Lower Upper

75 100

110 7.4 20.1 60.2#

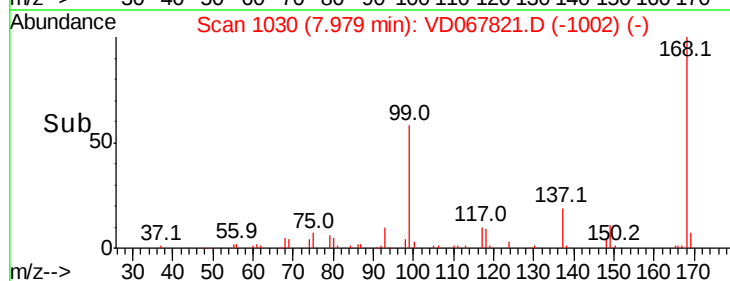
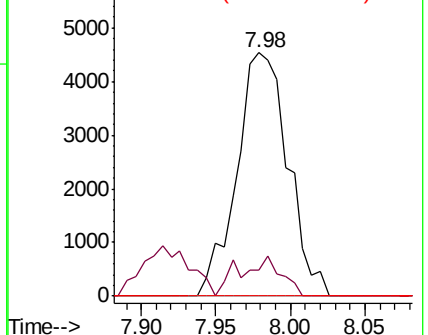
77 0.0 24.8 37.2#

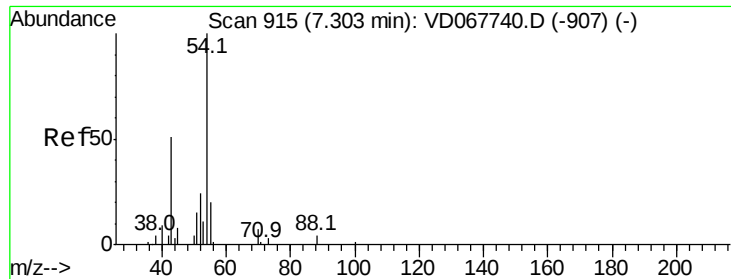


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.388 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.09 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

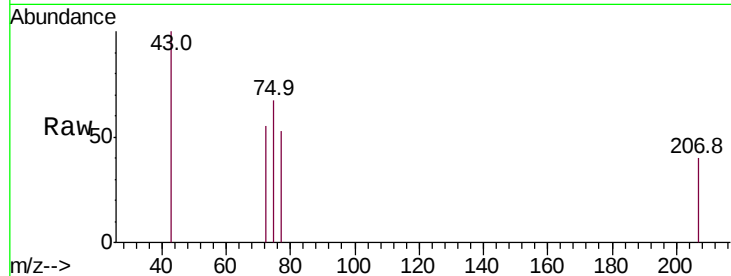
Tot Ion: 43 Resp: 791

Ion Ratio Lower Upper

43 100

61 16.9 12.9 19.3

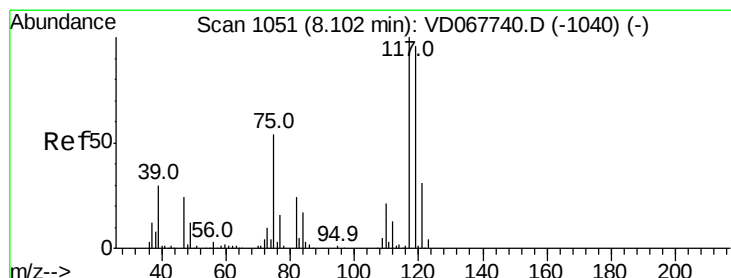
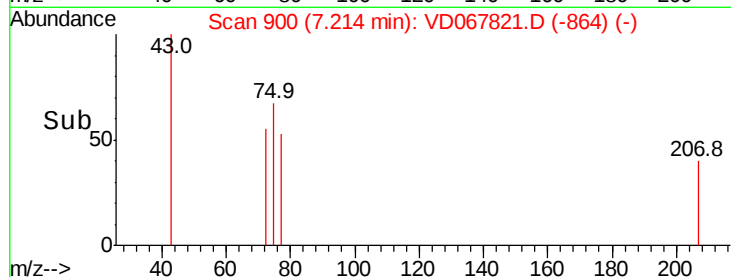
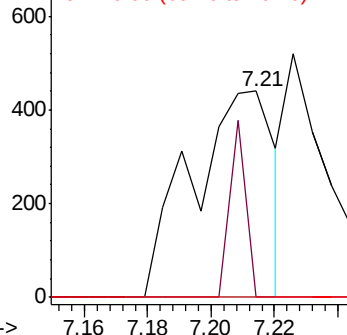
70 0.0 12.2 18.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

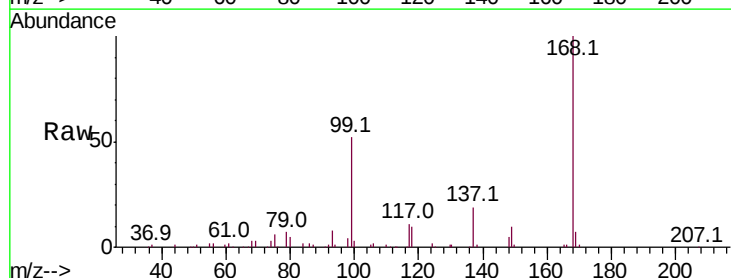
Tgt Ion: 117 Resp: 16356

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

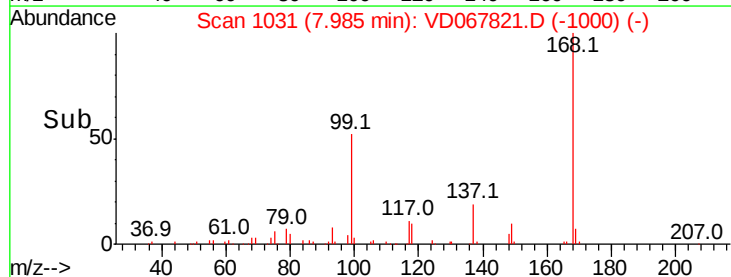
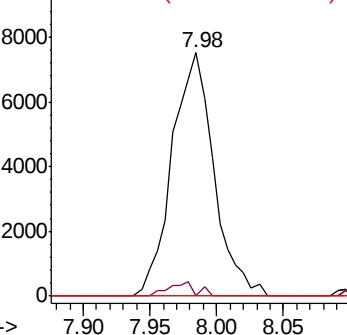
121 0.0 24.5 36.7#

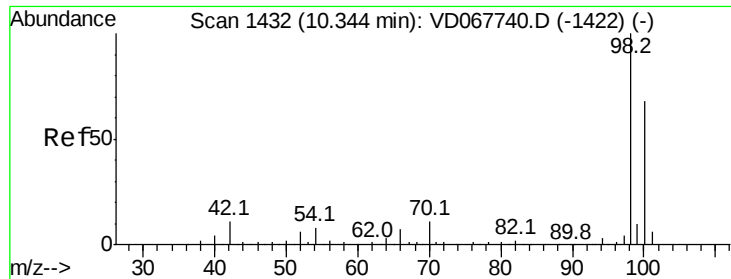


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 43.833 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

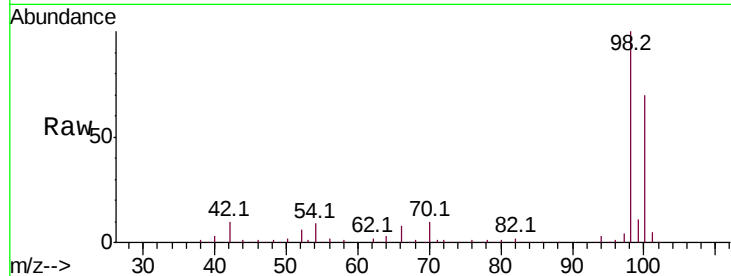
PAV-B3-112420-10.5-11.5

Tot Ion: 98 Resp: 251876

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

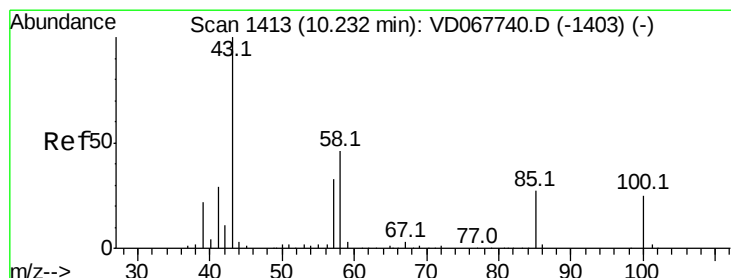
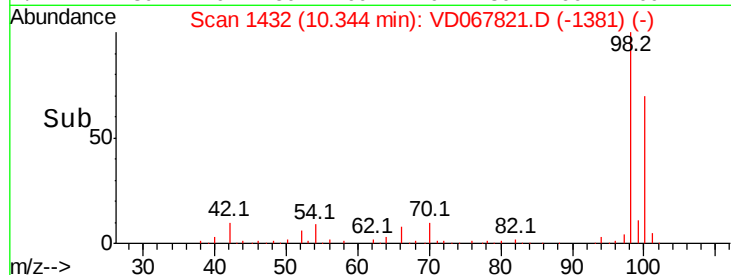
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.834 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067821.D

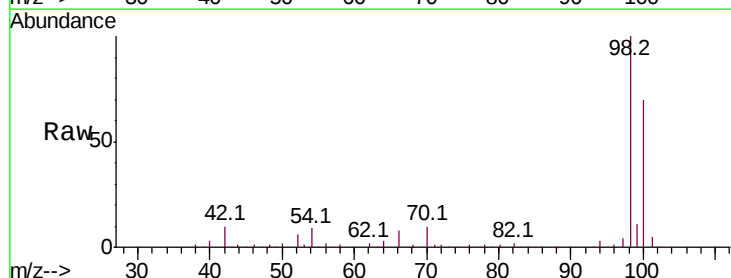
Acq: 30 Nov 2020 18:22

Tgt Ion: 43 Resp: 982

Ion Ratio Lower Upper

43 100

58 205.2 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.34

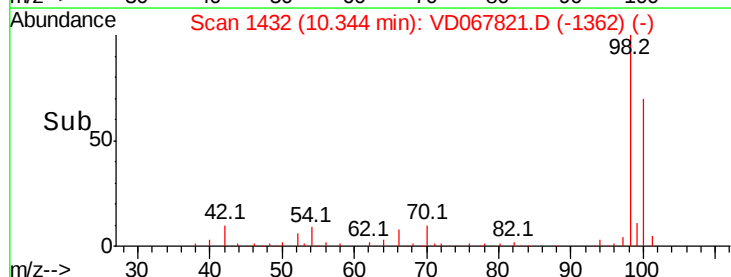
1500

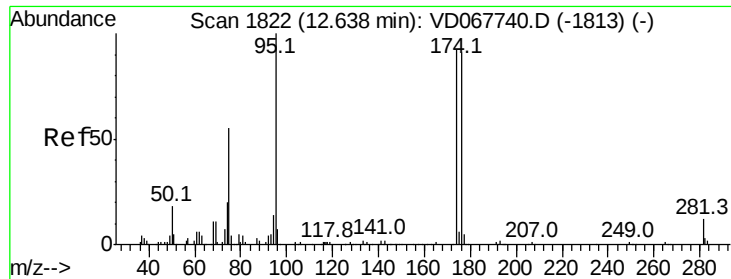
1000

500

0

Time-->

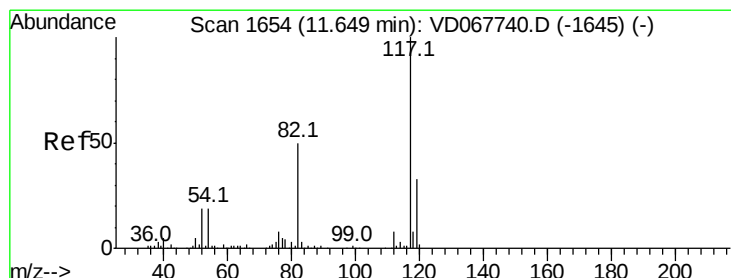
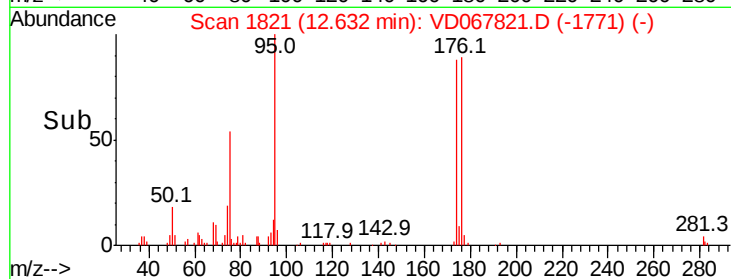
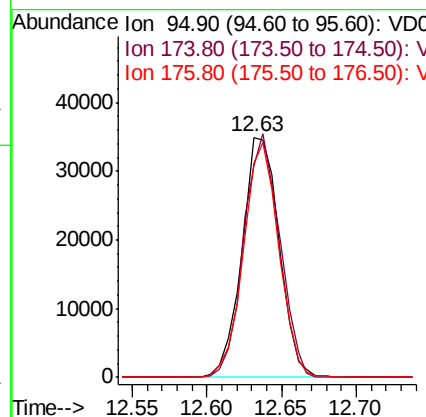
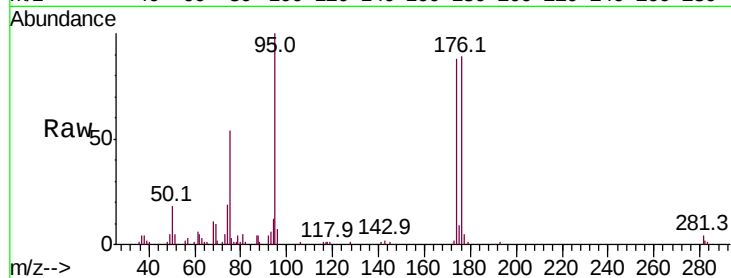




#62
4-Bromofluorobenzene
Concen: 30.674 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD067821.D
Acq: 30 Nov 2020 18:22

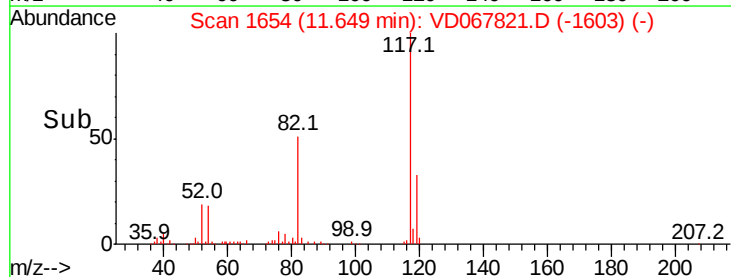
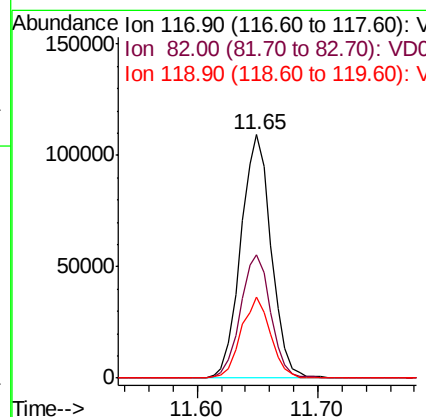
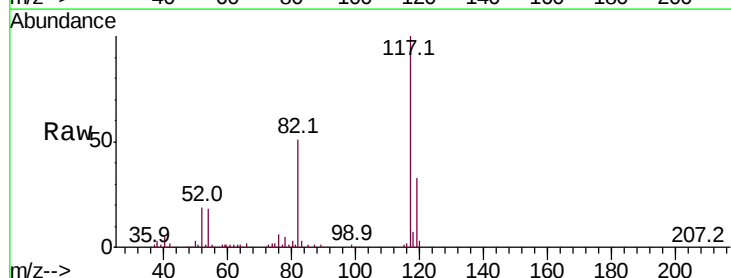
Instrument :
MSVOA_D
ClientSampleId :
PAV-B3-112420-10.5-11.5

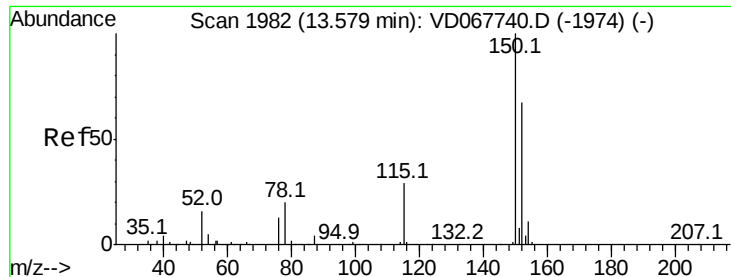
Tot Ion: 95 Resp: 60247
Ion Ratio Lower Upper
95 100
174 97.8 0.0 182.4
176 93.0 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067821.D
Acq: 30 Nov 2020 18:22

Tgt Ion: 117 Resp: 191802
Ion Ratio Lower Upper
117 100
82 50.9 40.2 60.4
119 33.2 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: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

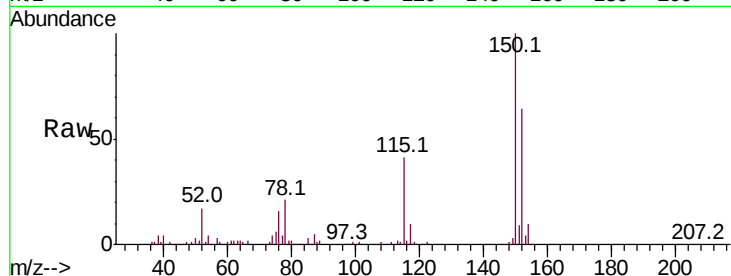
Tot Ion:152 Resp: 62470

Ion Ratio Lower Upper

152 100

115 57.6 29.4 88.3

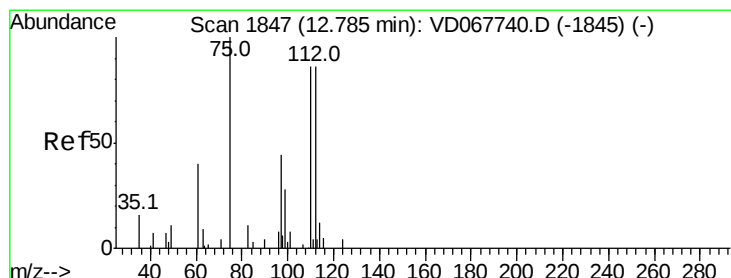
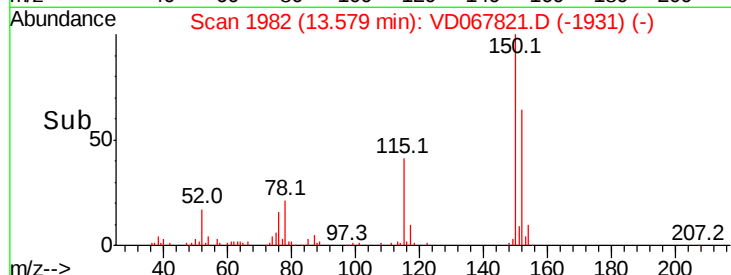
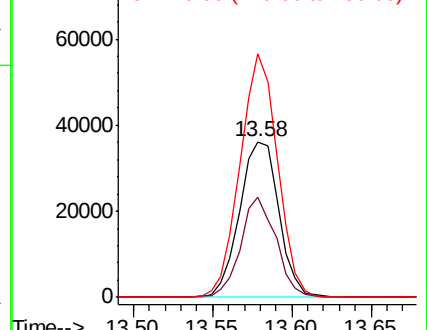
150 148.2 0.0 340.6



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: 75.324 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067821.D

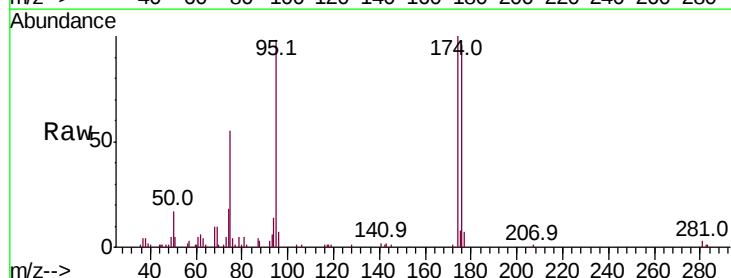
Acq: 30 Nov 2020 18:22

Tgt Ion: 75 Resp: 32795

Ion Ratio Lower Upper

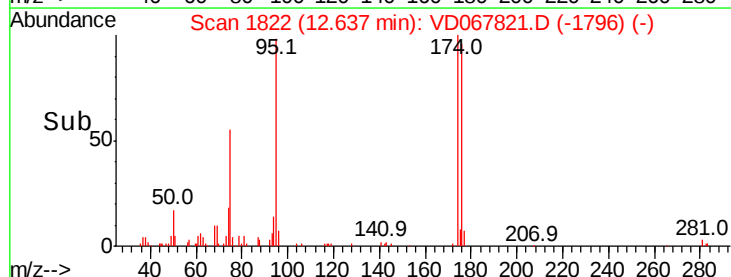
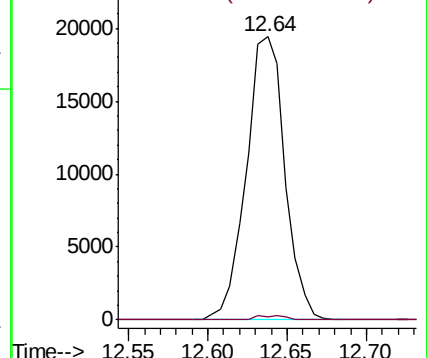
75 100

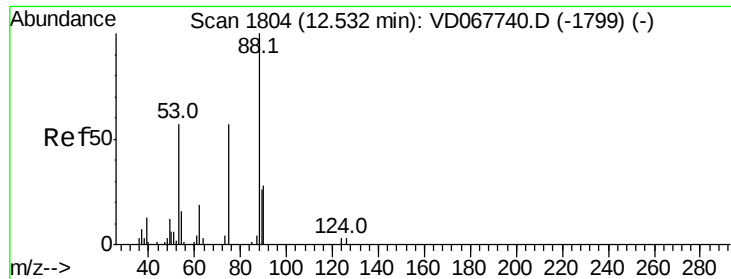
77 1.1 0.0 0.0#



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: 176.177 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

Tot Ion: 75 Resp: 32795

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.3 40.2 60.4#

