

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067521.D
 Acq On : 04 Nov 2020 15:38
 Operator : VA/SY
 Sample : L4621-01
 Misc : 5.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110220-0-1

Quant Time: Nov 05 00:38:32 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	292934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	478203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	488241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244449	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	156832	61.23	ug/l	0.00
Spiked Amount			Recovery	=	122.46%	
35) Dibromofluoromethane	7.92	113	158892	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
50) Toluene-d8	10.34	98	572732	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
62) 4-Bromofluorobenzene	12.64	95	213170	60.98	ug/l	0.00
Spiked Amount			Recovery	=	121.96%	

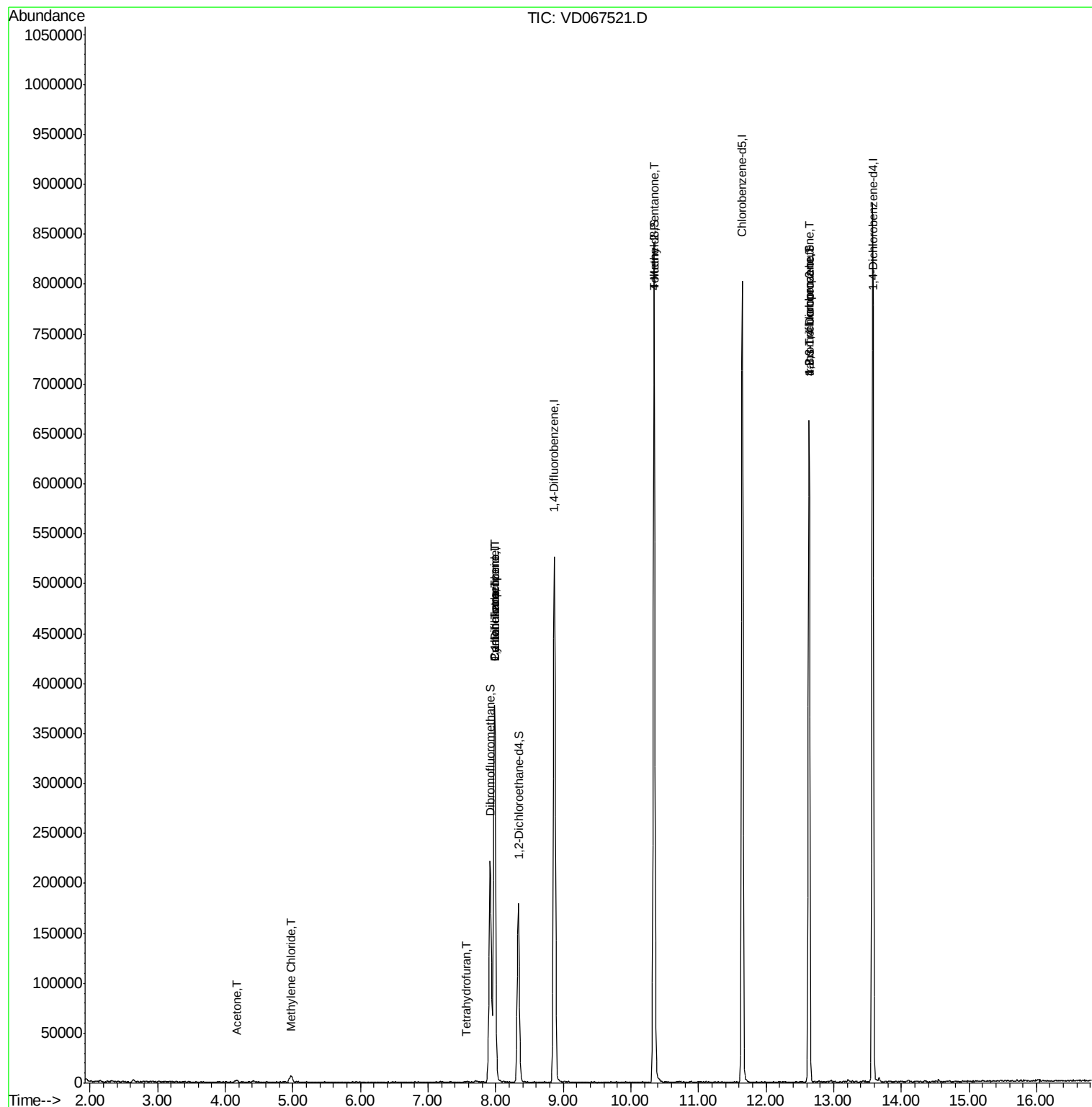
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	61	Below Cal	#	44
11) Tert butyl alcohol	5.20	59	58	Below Cal	#	79
16) Acetone	4.17	43	3432	8.954	ug/l #	72
20) Methylene Chloride	4.98	84	5648	2.086	ug/l #	74
29) Tetrahydrofuran	7.57	42	626	2.552	ug/l #	70
31) Cyclohexane	7.98	56	5761	1.551	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	20184	4.931	ug/l #	52
38) Carbon Tetrachloride	7.98	117	31308	5.887	ug/l #	14
51) 4-Methyl-2-Pentanone	10.35	43	2277	2.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	111916	75.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111916	154.083	ug/l #	10

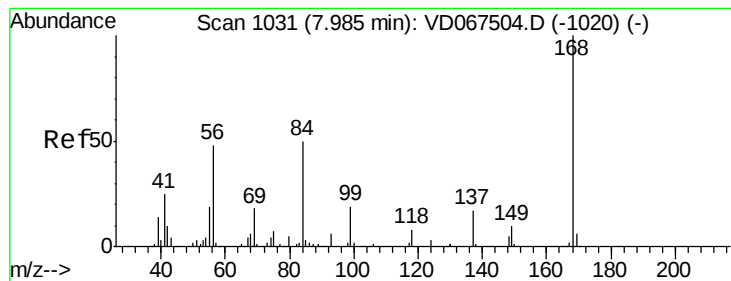
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110420\
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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: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

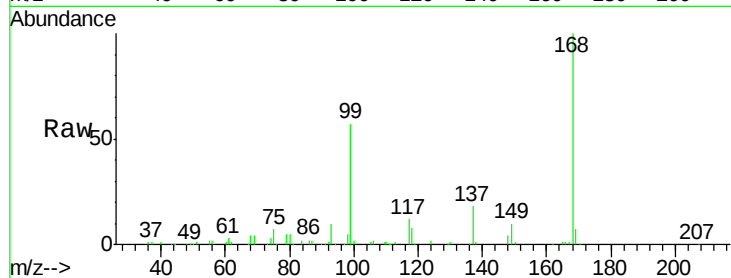
PAV-B8-110220-0-1

Tot Ion:168 Resp: 292934

Ion Ratio Lower Upper

168 100

99 56.6 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

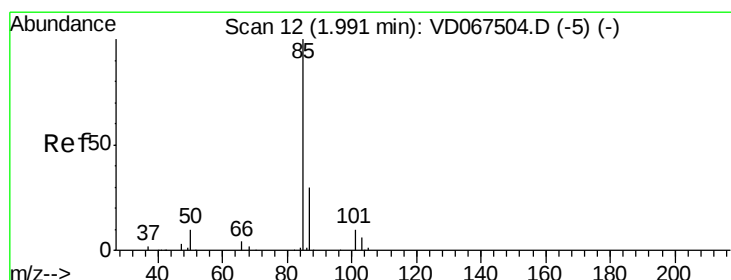
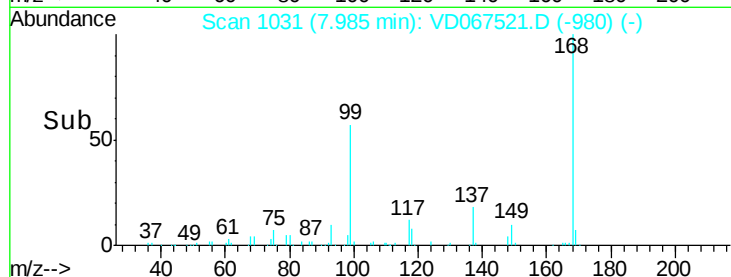
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067521.D

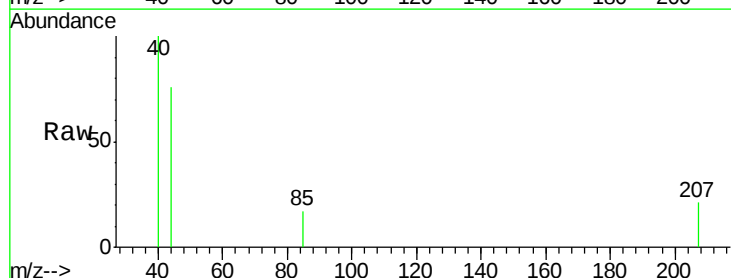
Acq: 04 Nov 2020 15:38

Tgt Ion: 85 Resp: 61

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

2.00

200

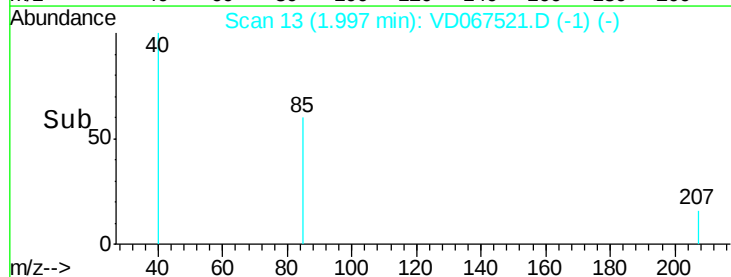
150

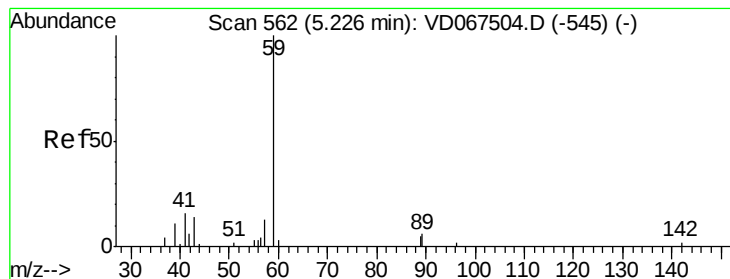
100

50

0

Time-->



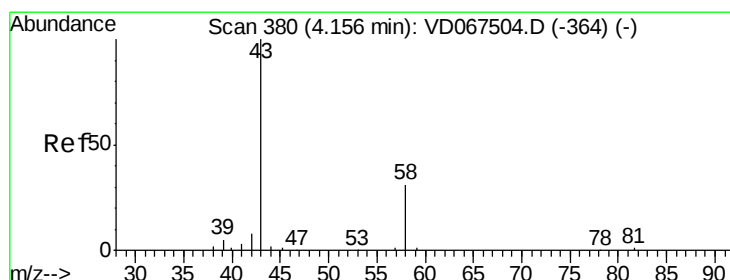
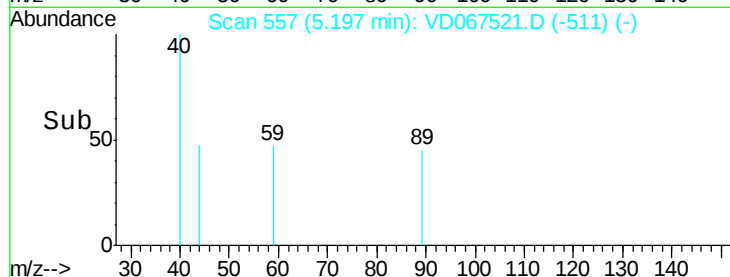
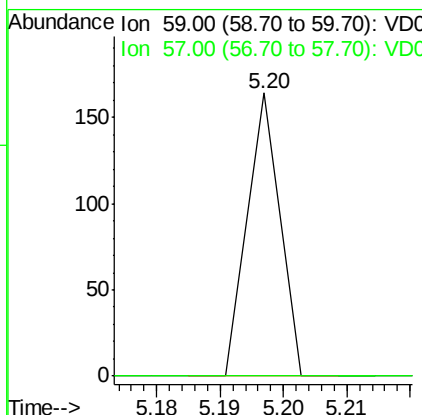
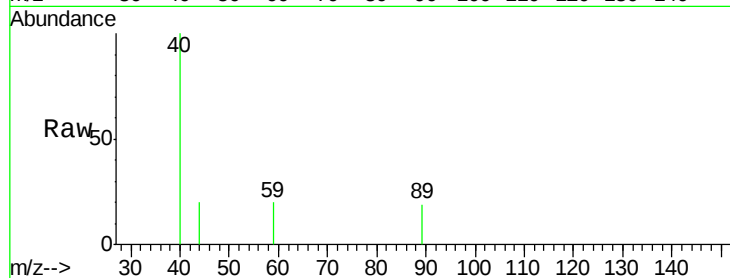


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD067521.D
 Acq: 04 Nov 2020 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110220-0-1

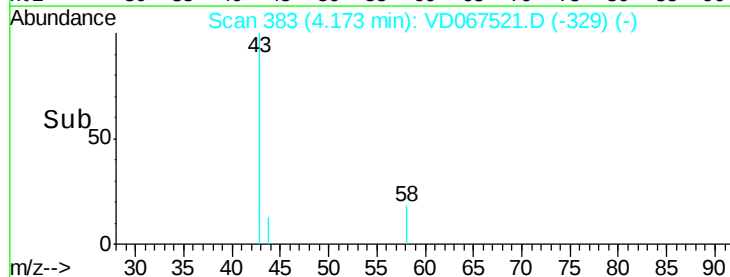
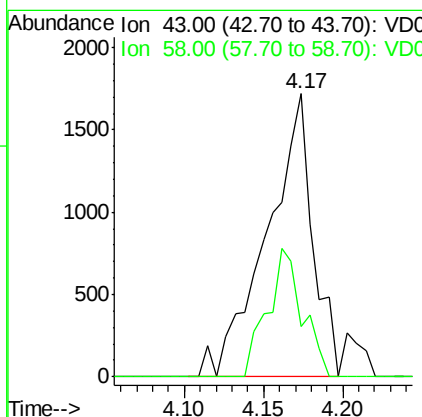
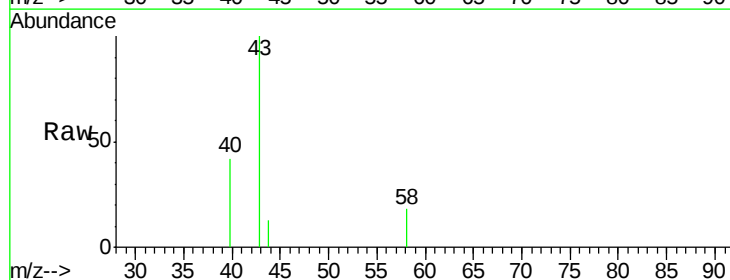
Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

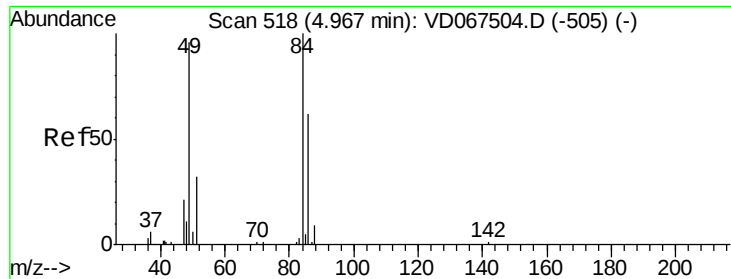


#16

Acetone
 Concen: 8.954 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD067521.D
 Acq: 04 Nov 2020 15:38

Tgt Ion: 43 Resp: 3432
 Ion Ratio Lower Upper
 43 100
 58 15.7 25.2 37.8#

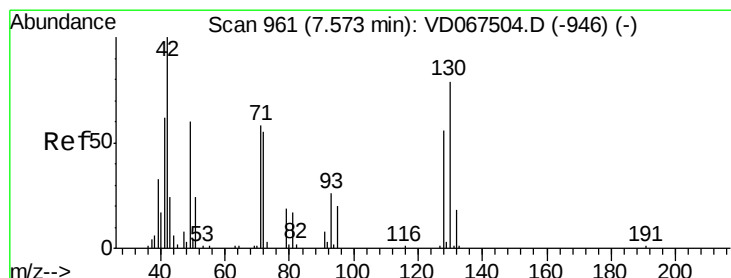
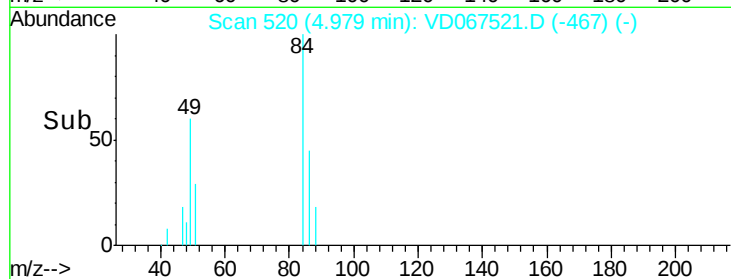
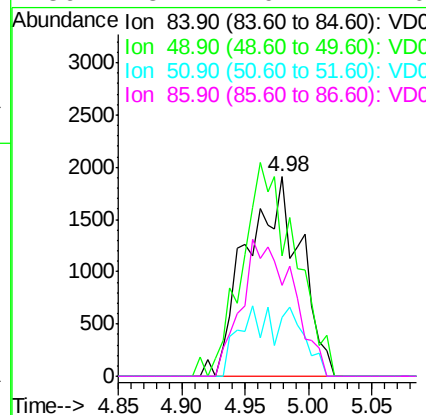
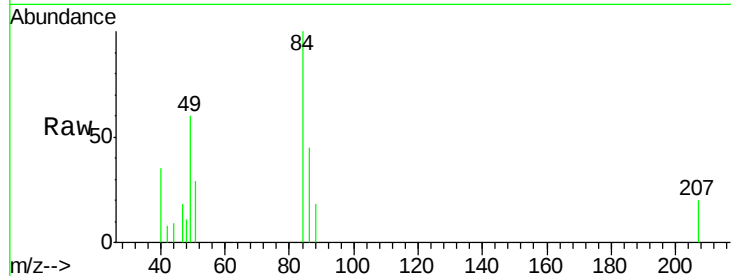




#20
Methvlene Chloride
Concen: 2.086 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

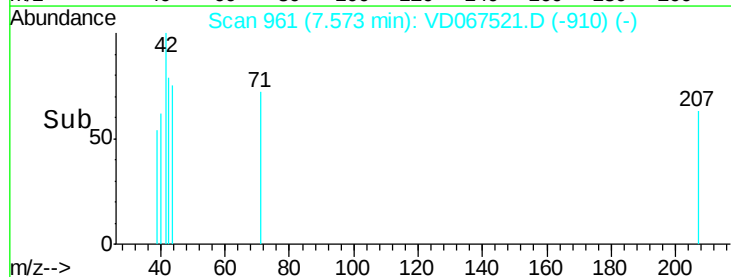
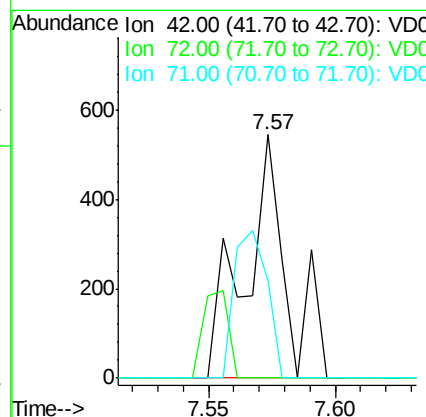
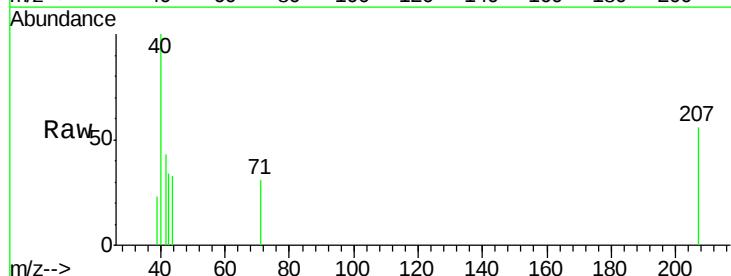
Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110220-0-1

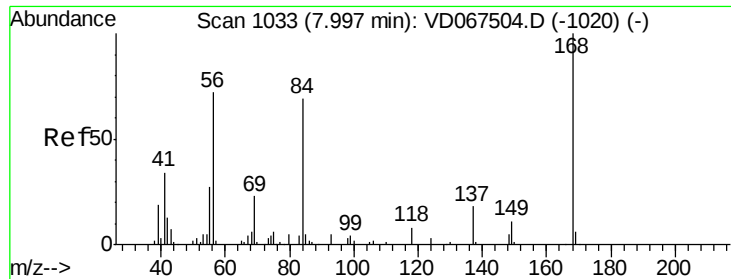
Tot Ion: 84 Resp: 5648
Ion Ratio Lower Upper
84 100
49 60.4 77.0 115.4#
51 29.5 25.4 38.2
86 45.4 49.4 74.0#



#29
Tetrahydrofuran
Concen: 2.552 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

Tgt Ion: 42 Resp: 626
Ion Ratio Lower Upper
42 100
72 21.4 46.3 69.5#
71 47.4 44.0 66.0

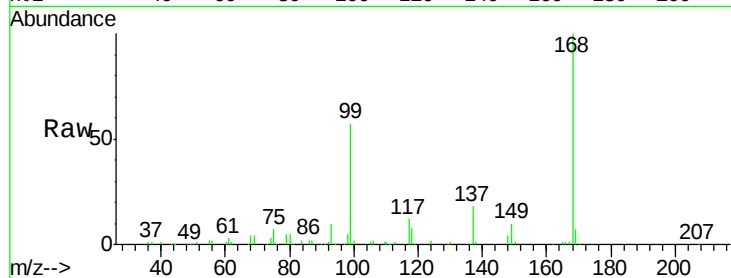




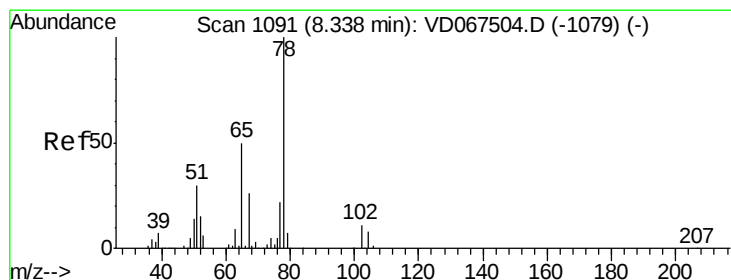
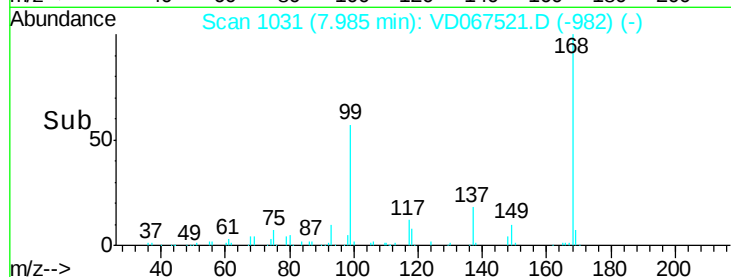
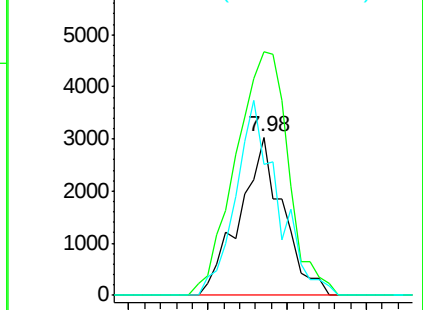
#31
Cyclohexane
Concen: 1.551 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110220-0-1

Tot Ion: 56 Resp: 5761
Ion Ratio Lower Upper
56 100
69 153.7 25.9 38.9#
84 82.5 76.2 114.4

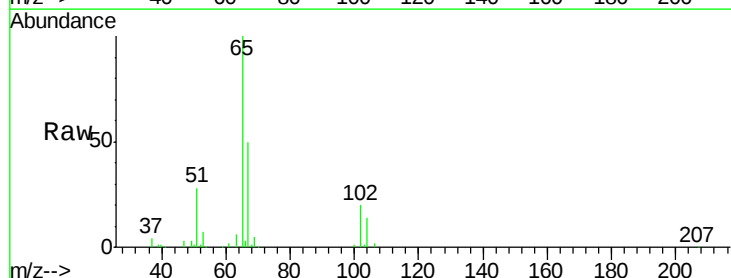


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

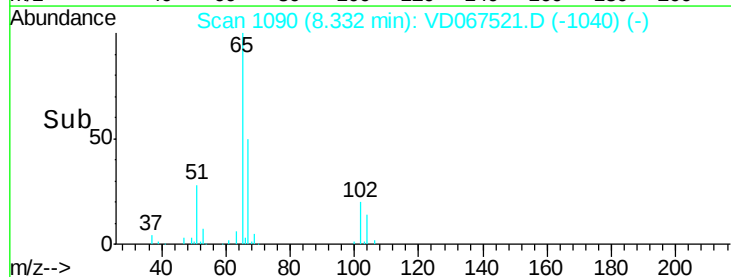
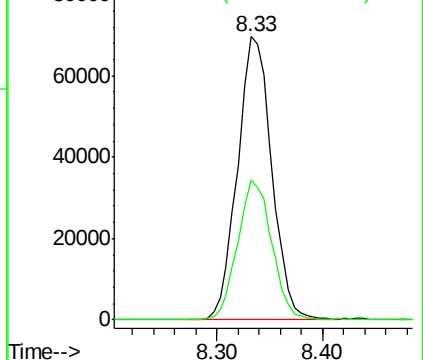


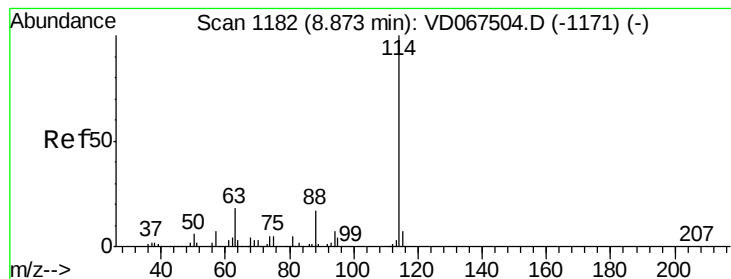
#33
1,2-Dichloroethane-d4
Concen: 61.229 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

Tgt Ion: 65 Resp: 156832
Ion Ratio Lower Upper
65 100
67 49.2 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: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

PAV-B8-110220-0-1

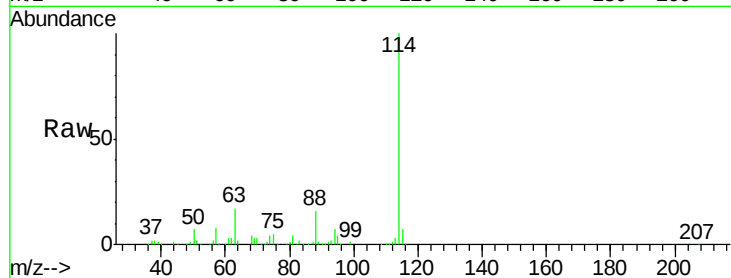
Tot Ion:114 Resp: 478203

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

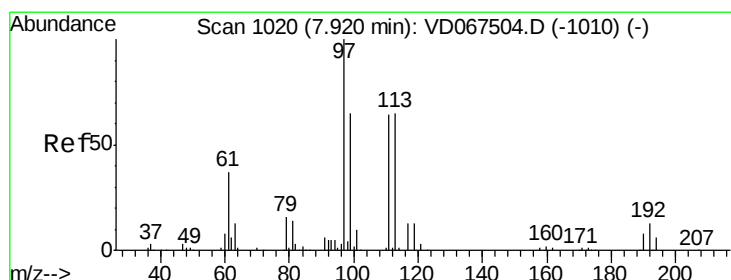
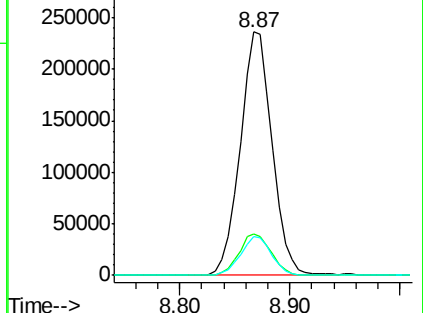
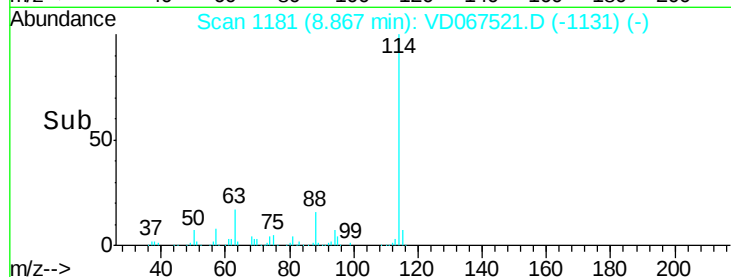
88 15.7 0.0 33.0



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: 55.149 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

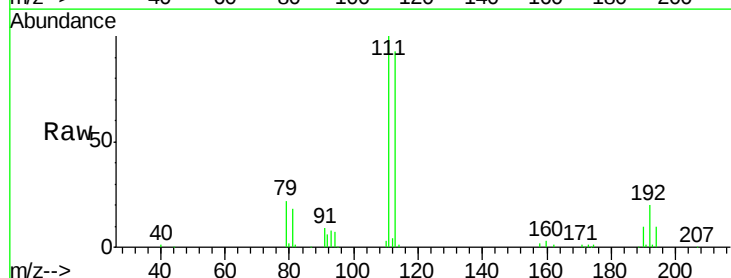
Tgt Ion:113 Resp: 158892

Ion Ratio Lower Upper

113 100

111 101.8 80.0 120.0

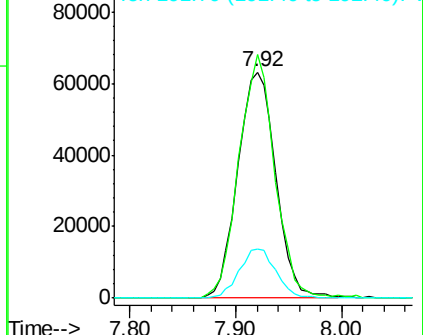
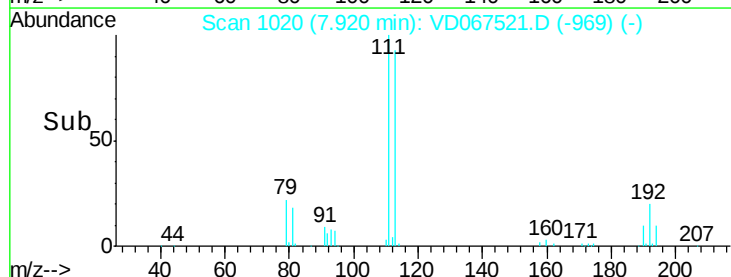
192 20.9 16.3 24.5

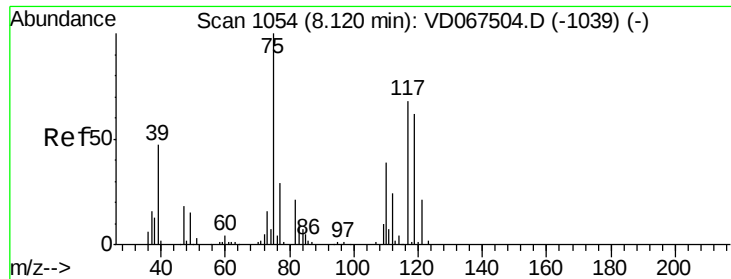


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

PAV-B8-110220-0-1

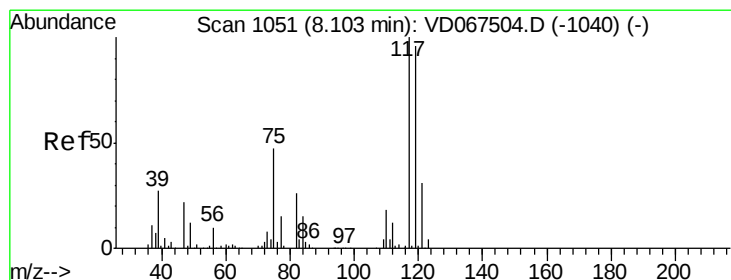
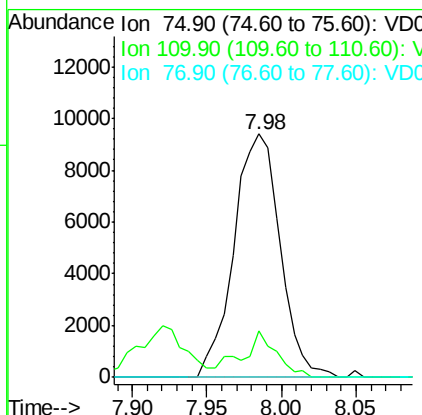
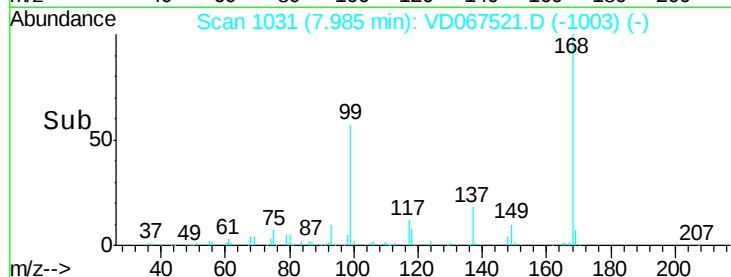
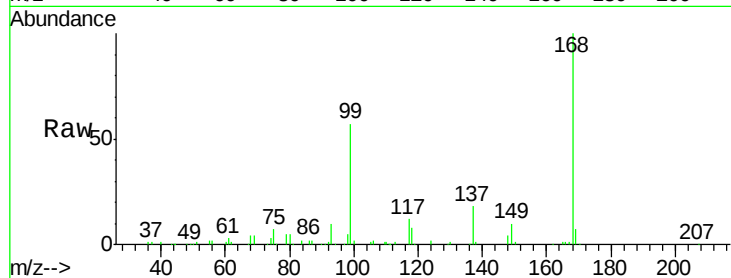
Tot Ion: 75 Resp: 20184

Ion Ratio Lower Upper

75 100

110 14.1 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

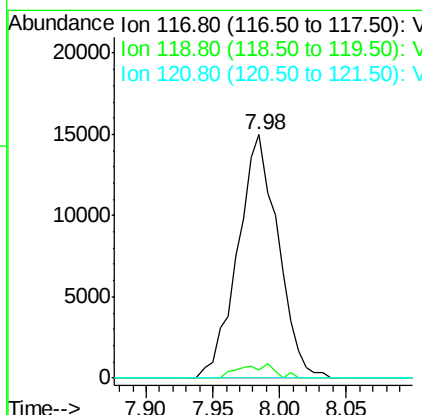
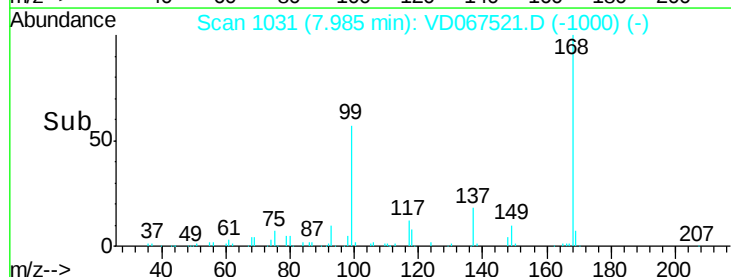
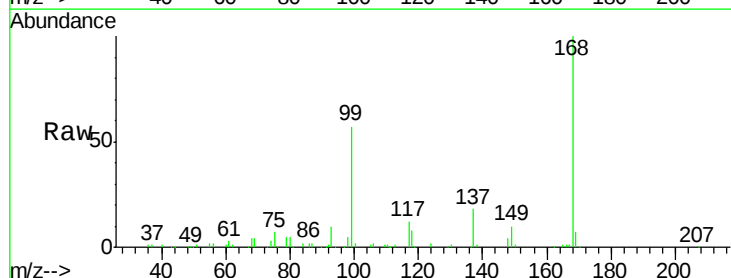
Tgt Ion: 117 Resp: 31308

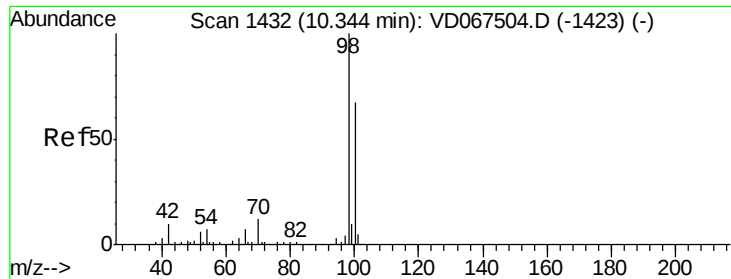
Ion Ratio Lower Upper

117 100

119 3.2 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 56.566 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

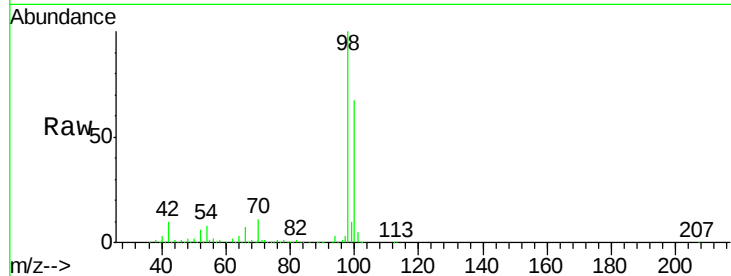
PAV-B8-110220-0-1

Tot Ion: 98 Resp: 572732

Ion Ratio Lower Upper

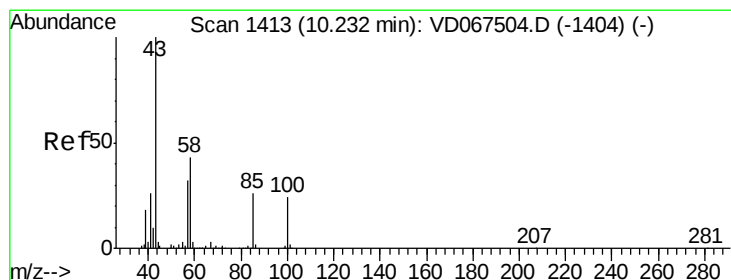
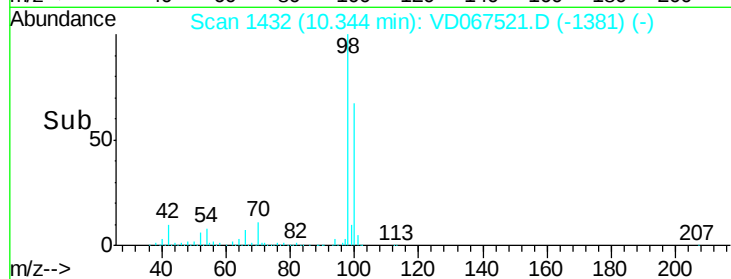
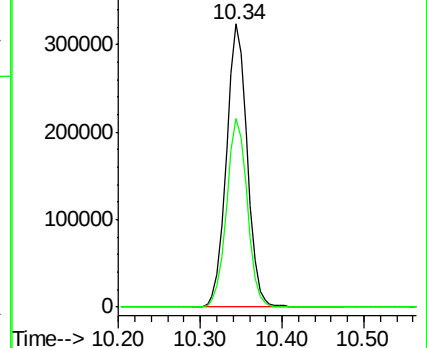
98 100

100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.265 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067521.D

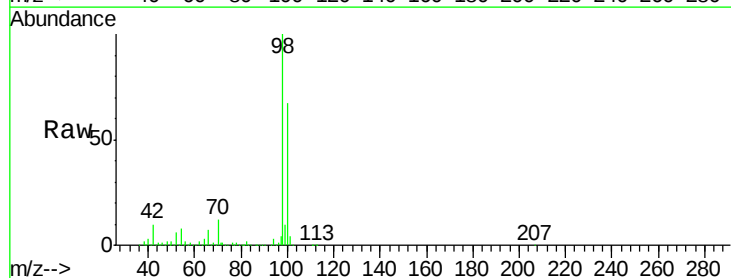
Acq: 04 Nov 2020 15:38

Tgt Ion: 43 Resp: 2277

Ion Ratio Lower Upper

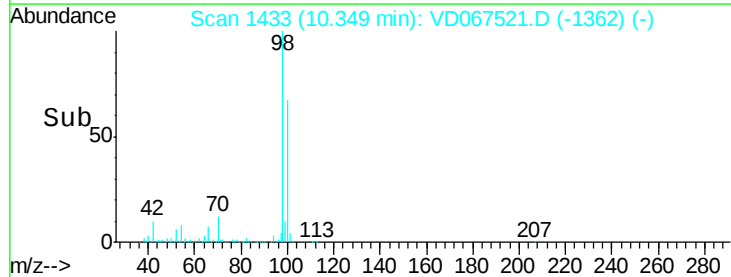
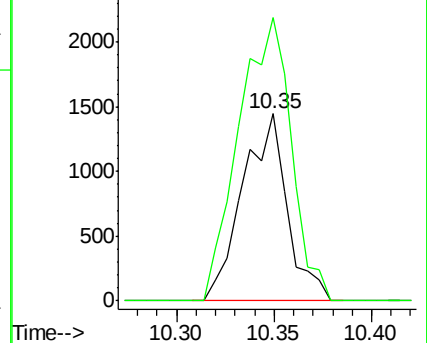
43 100

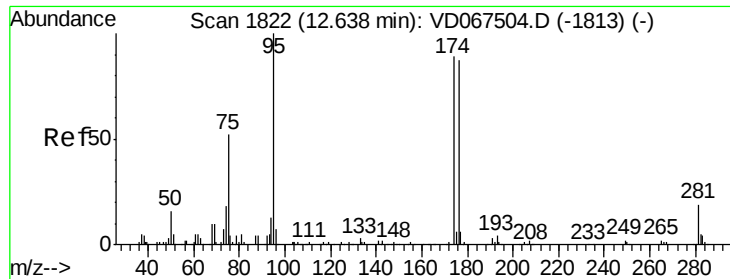
58 178.8 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

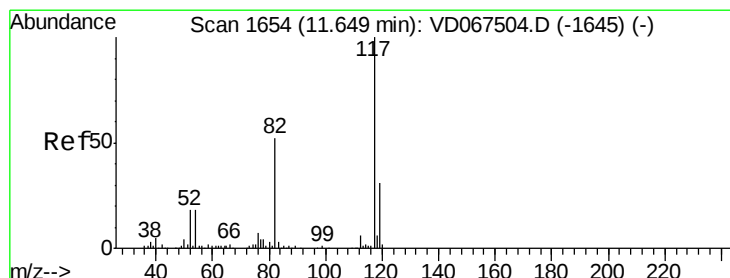
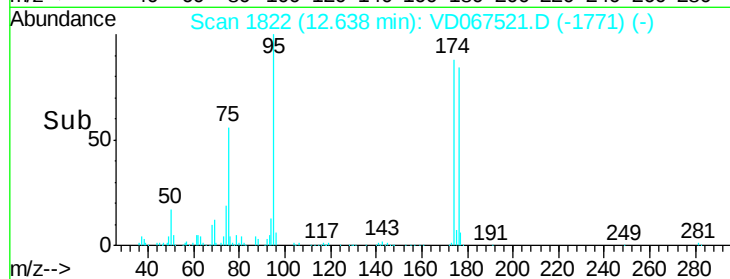
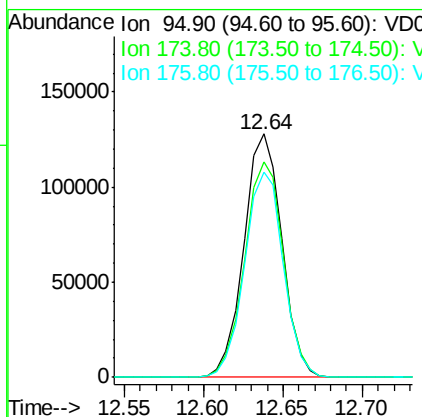
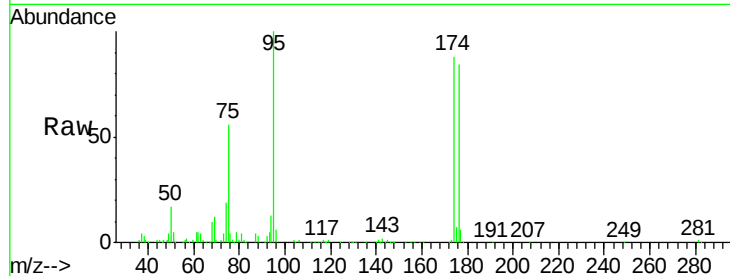




#62
4-Bromofluorobenzene
Concen: 60.982 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

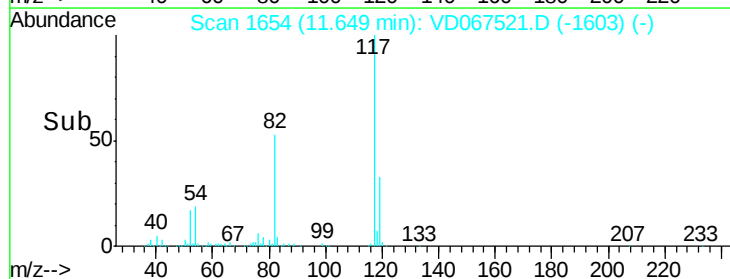
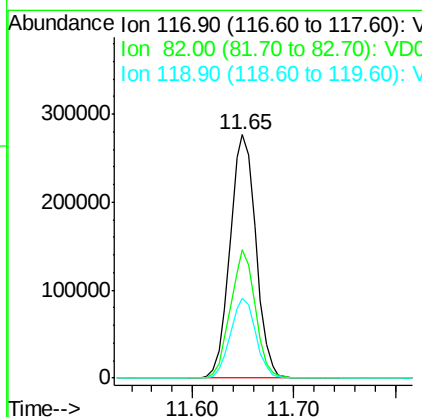
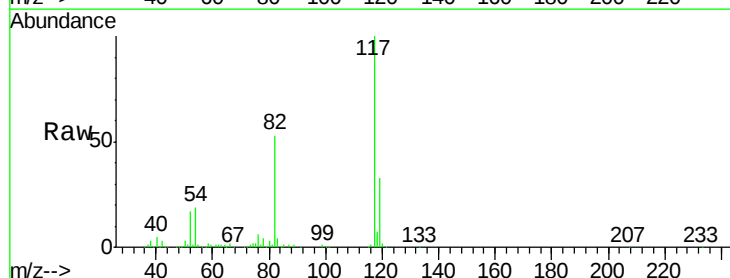
Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110220-0-1

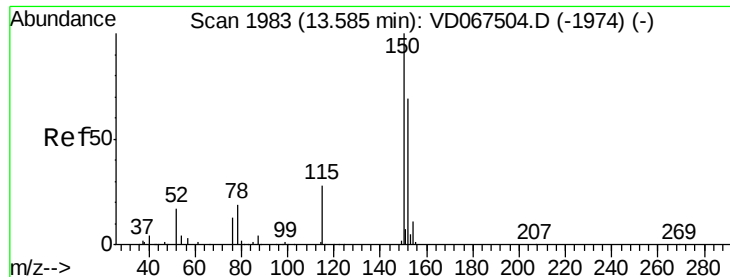
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	177.8
176	85.9	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067521.D
Acq: 04 Nov 2020 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.6	62.4
119	32.5	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

PAV-B8-110220-0-1

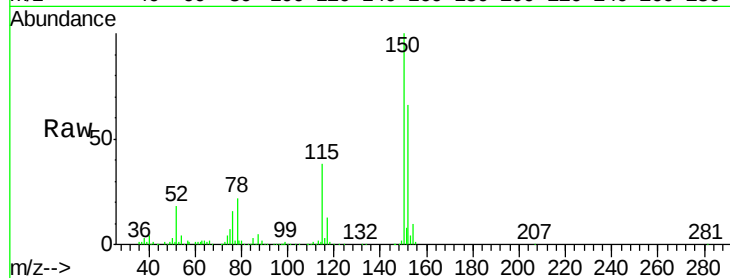
Tot Ion:152 Resp: 244449

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

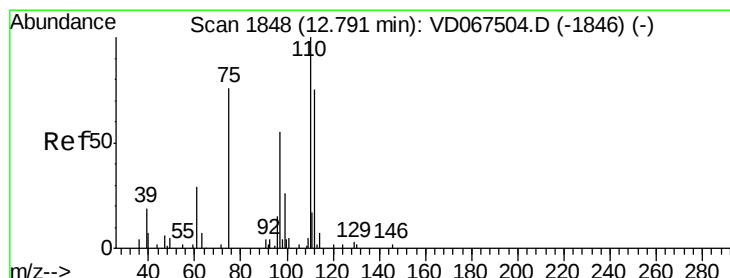
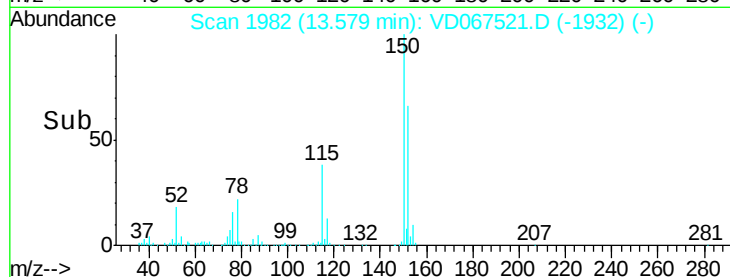
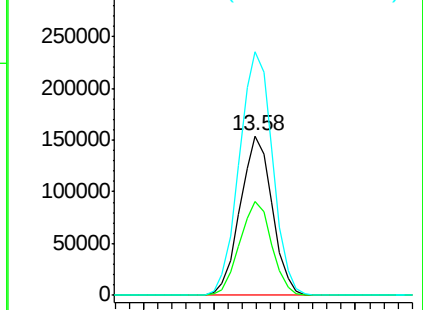
150 158.7 0.0 338.2



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: 75.893 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067521.D

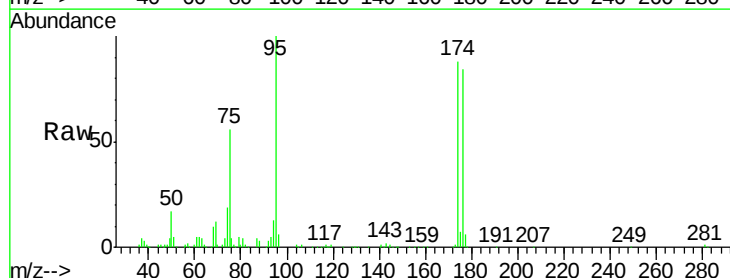
Acq: 04 Nov 2020 15:38

Tgt Ion: 75 Resp: 111916

Ion Ratio Lower Upper

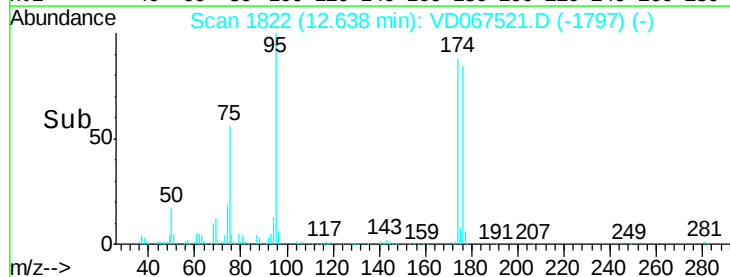
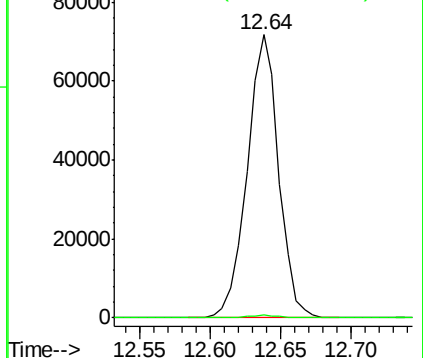
75 100

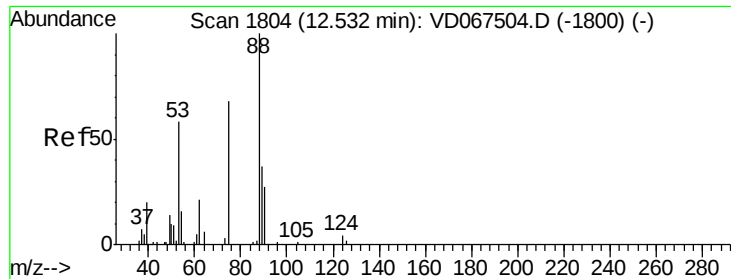
77 0.8 0.0 0.0#



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: 154.083 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067521.D

Acq: 04 Nov 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

PAV-B8-110220-0-1

Tot Ion: 75 Resp: 111916

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

