

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067540.D
 Acq On : 05 Nov 2020 16:40
 Operator : VA/SY
 Sample : L4657-01
 Misc : 4.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B49-110520-0-1

Quant Time: Nov 06 00:15:36 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	310744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	495376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211914	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	153625	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.91	113	158935	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	10.34	98	574318	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.64	95	203185	56.11	ug/l	0.00
Spiked Amount			Recovery	=	112.22%	

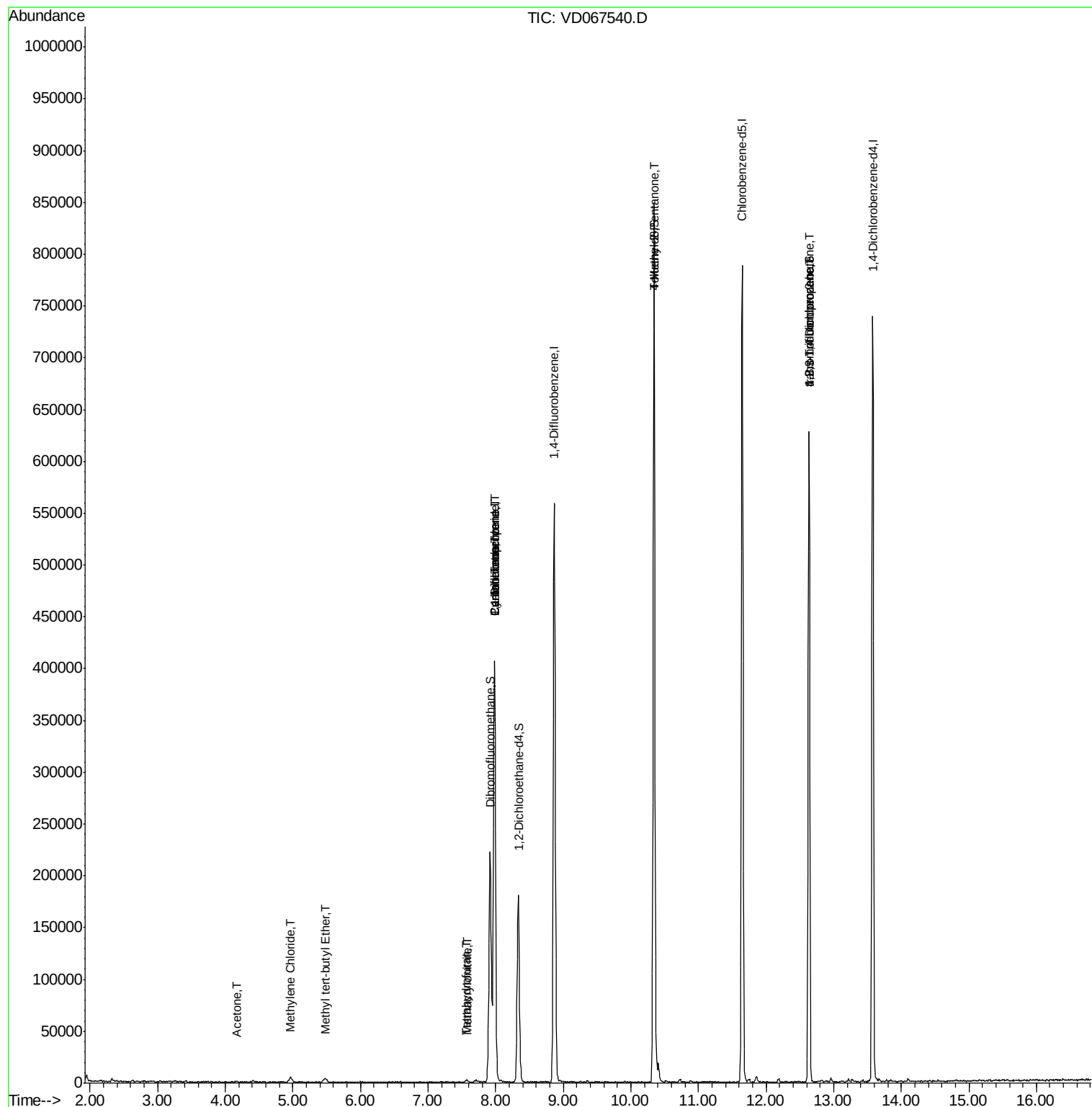
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	288	Below Cal	#	44
16) Acetone	4.16	43	628	1.545	ug/l #	43
19) Methyl tert-butyl Ether	5.47	73	5852	1.144	ug/l #	76
20) Methylene Chloride	4.96	84	4298	1.496	ug/l #	83
29) Tetrahydrofuran	7.57	42	1400	5.380	ug/l #	66
31) Cyclohexane	7.98	56	6735	1.709	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	22160	5.226	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31243	5.671	ug/l #	16
41) Methacrylonitrile	7.57	41	970	1.474	ug/l #	36
51) 4-Methyl-2-Pentanone	10.35	43	2053	1.972	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	103550	81.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103550	164.453	ug/l #	10

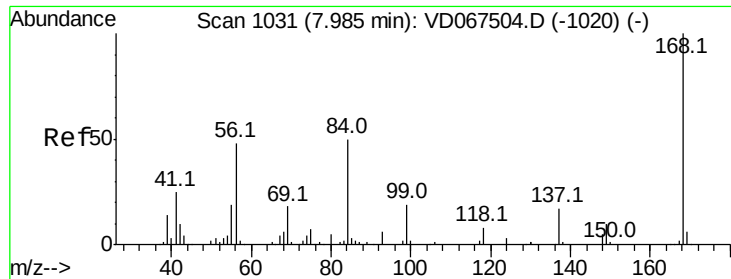
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

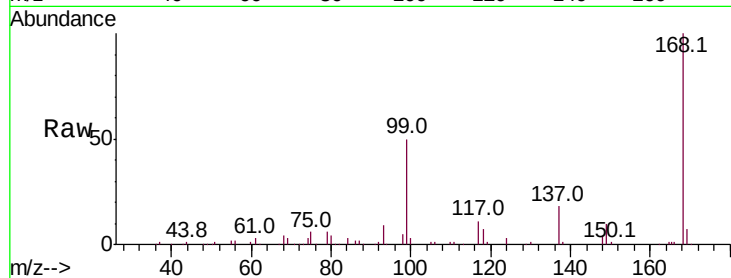
PAV-B49-110520-0-1

Tot Ion:168 Resp: 310744

Ion Ratio Lower Upper

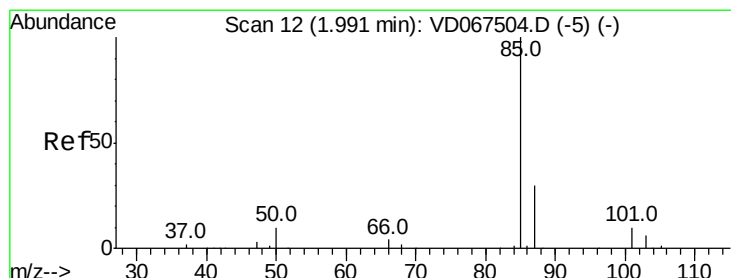
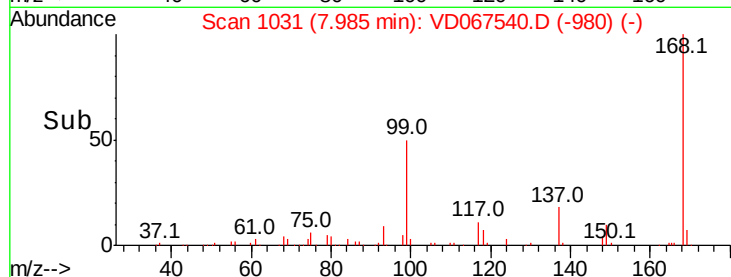
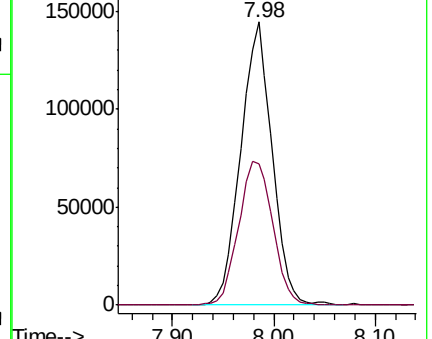
168 100

99 50.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067540.D

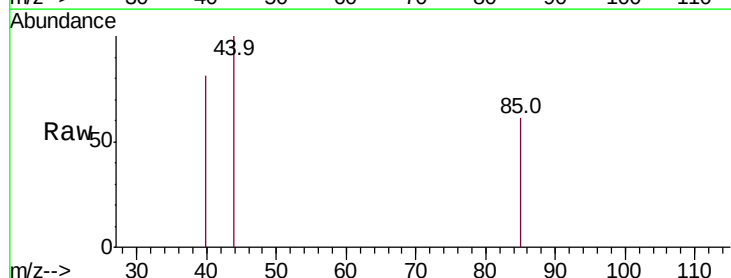
Acq: 05 Nov 2020 16:40

Tgt Ion: 85 Resp: 288

Ion Ratio Lower Upper

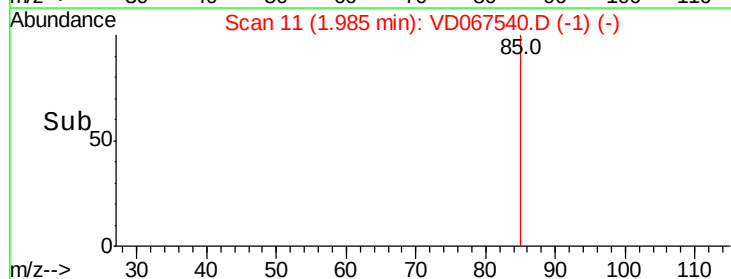
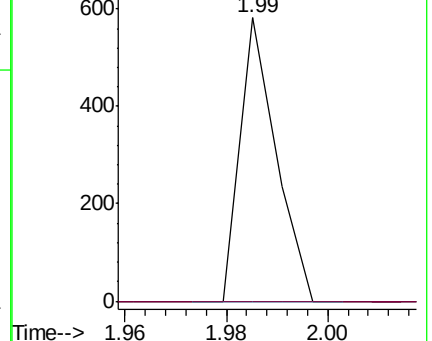
85 100

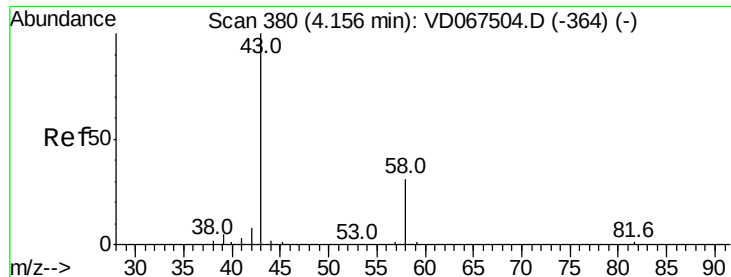
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.545 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

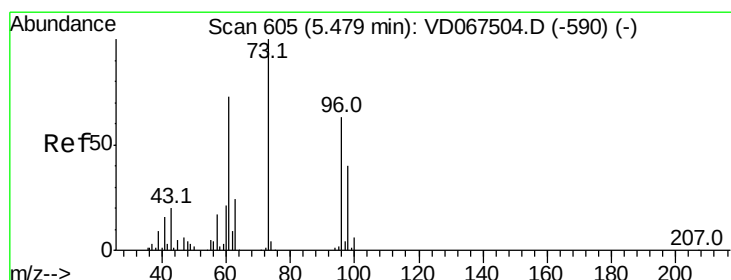
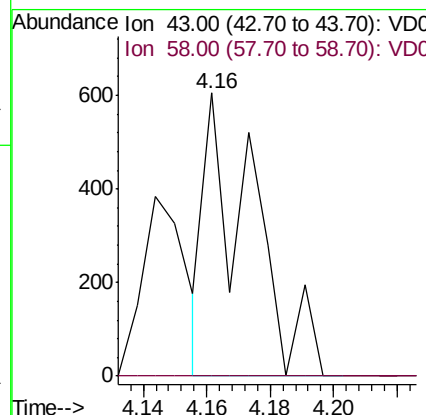
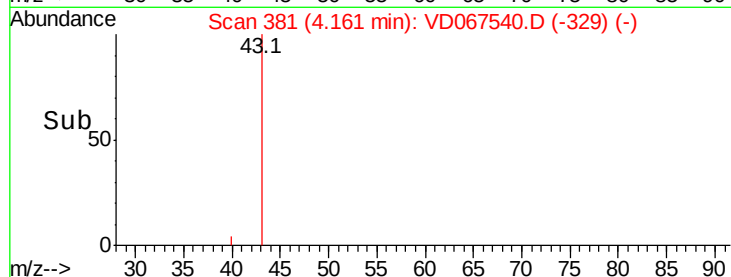
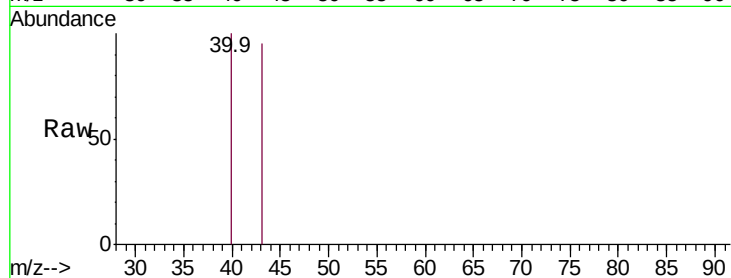
PAV-B49-110520-0-1

Tot Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#19

Methyl tert-butyl Ether

Concen: 1.144 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067540.D

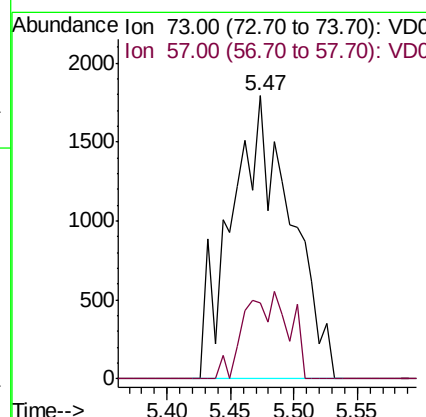
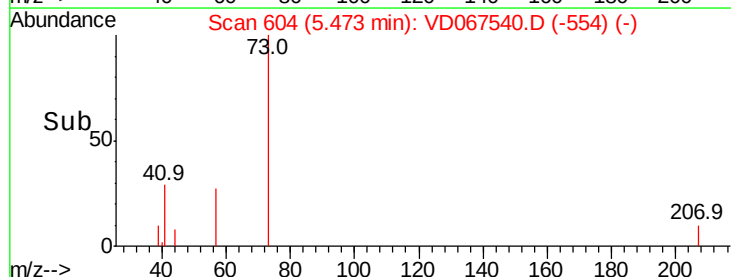
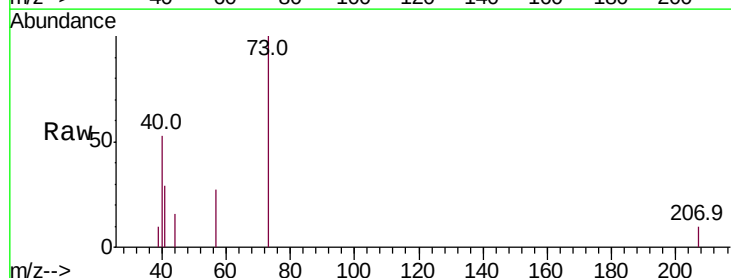
Acq: 05 Nov 2020 16:40

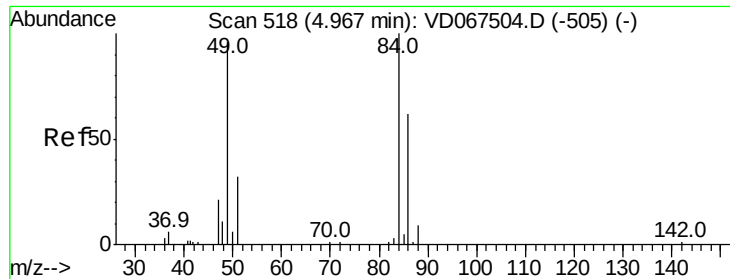
Tgt Ion: 73 Resp: 5852

Ion Ratio Lower Upper

73 100

57 27.0 13.4 20.0#

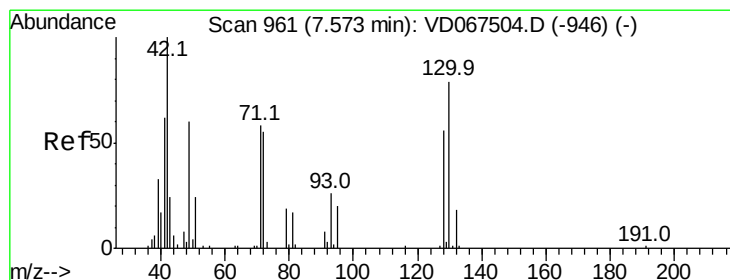
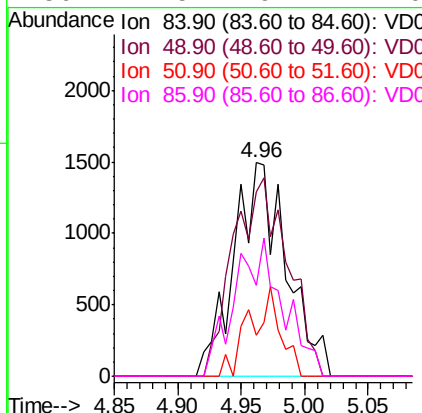
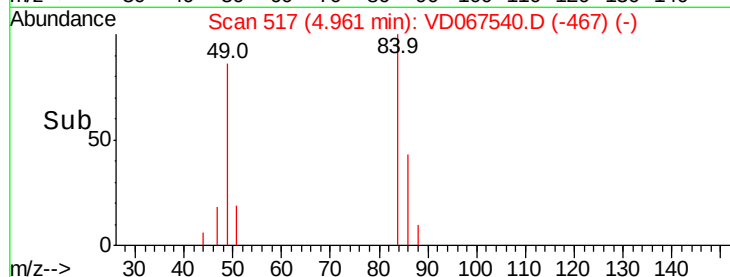
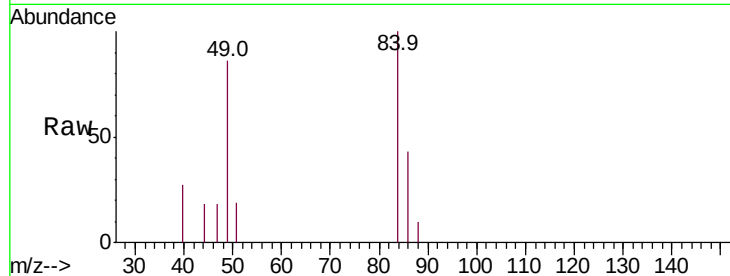




#20
Methylene Chloride
Concen: 1.496 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

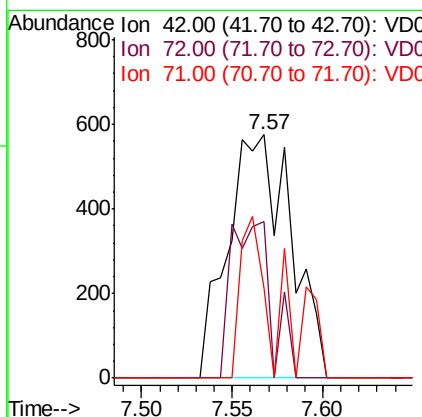
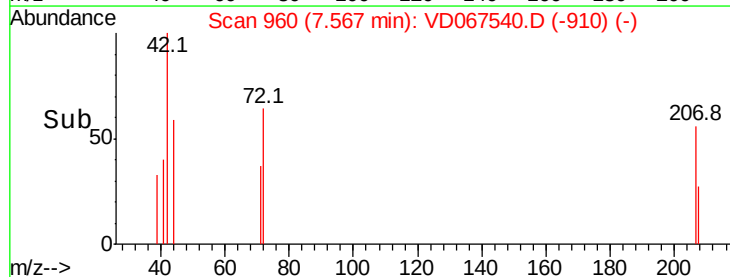
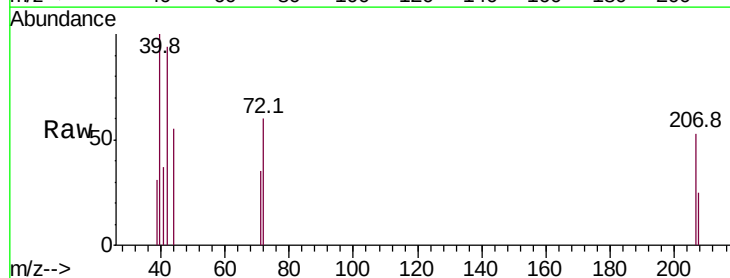
Instrument :
MSVOA_D
ClientSampleId :
PAV-B49-110520-0-1

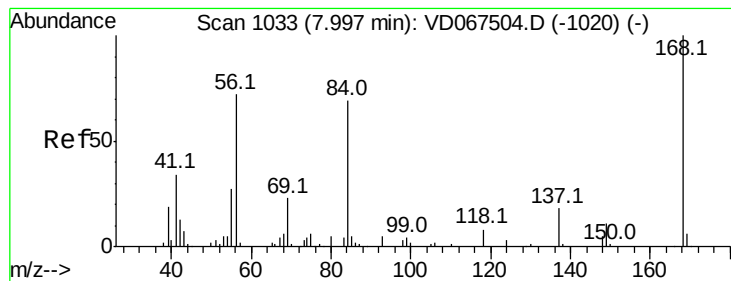
Tot Ion: 84 Resp: 4298
Ion Ratio Lower Upper
84 100
49 86.4 77.0 115.4
51 19.0 25.4 38.2#
86 42.5 49.4 74.0#



#29
Tetrahydrofuran
Concen: 5.380 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

Tgt Ion: 42 Resp: 1400
Ion Ratio Lower Upper
42 100
72 40.4 46.3 69.5#
71 23.1 44.0 66.0#





#31

Cyclohexane

Concen: 1.709 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

PAV-B49-110520-0-1

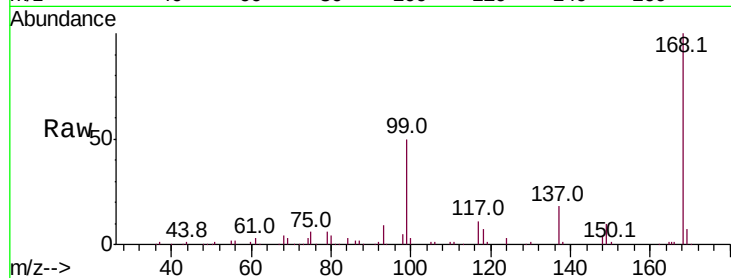
Tot Ion: 56 Resp: 6735

Ion Ratio Lower Upper

56 100

69 118.4 25.9 38.9#

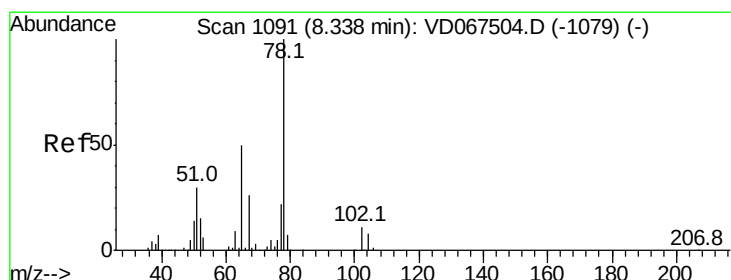
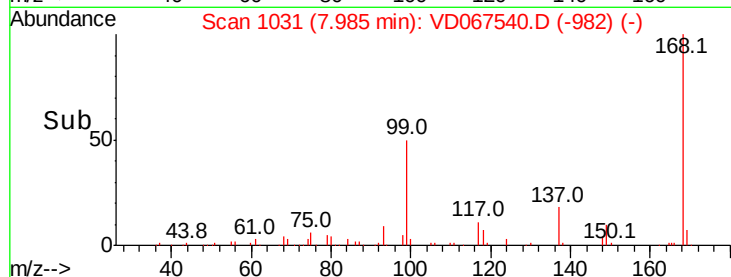
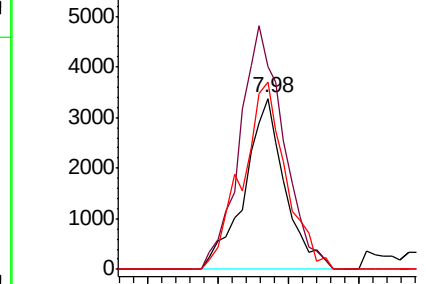
84 109.4 76.2 114.4



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: 56.540 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067540.D

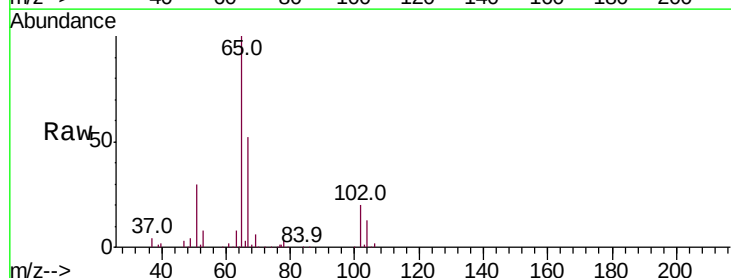
Acq: 05 Nov 2020 16:40

Tgt Ion: 65 Resp: 153625

Ion Ratio Lower Upper

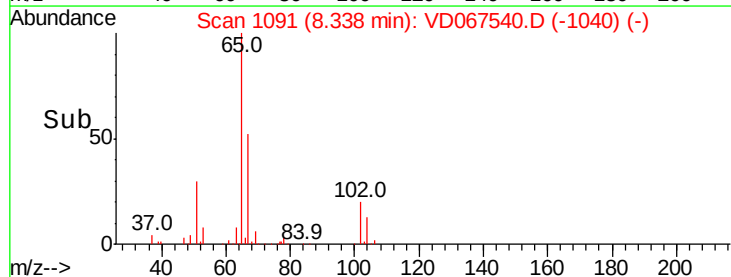
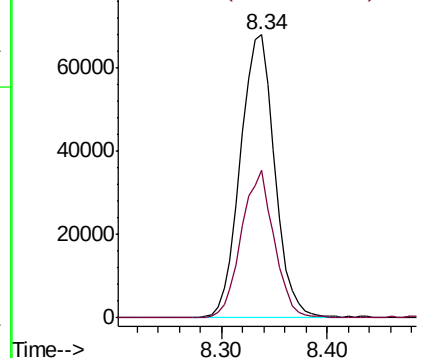
65 100

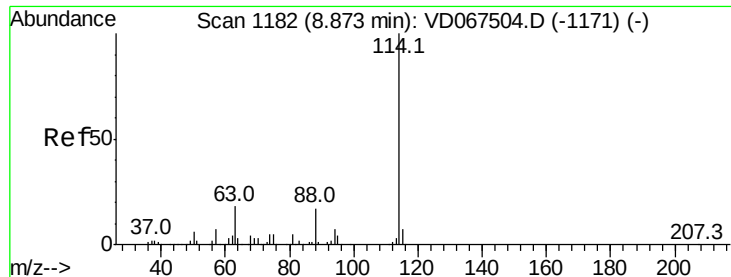
67 49.5 0.0 99.4



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: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

PAV-B49-110520-0-1

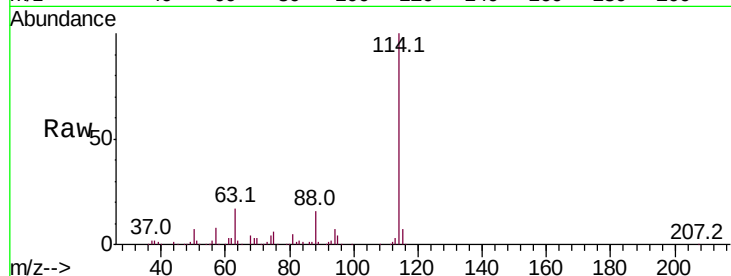
Tot Ion:114 Resp: 495376

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

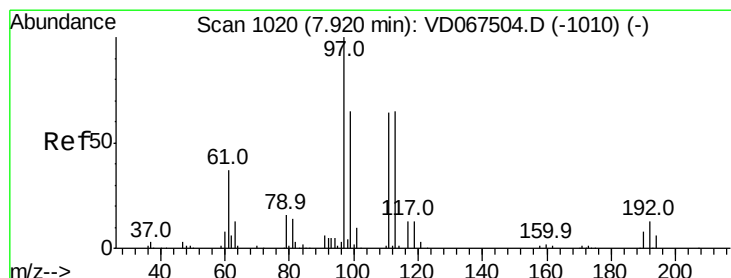
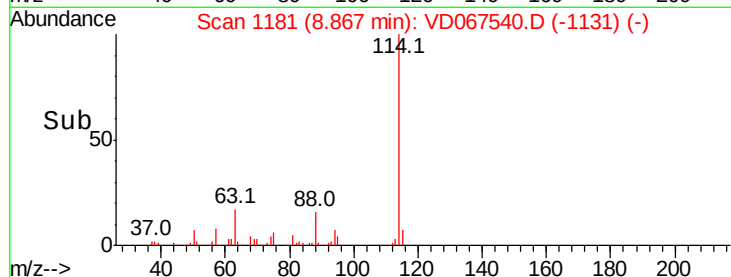
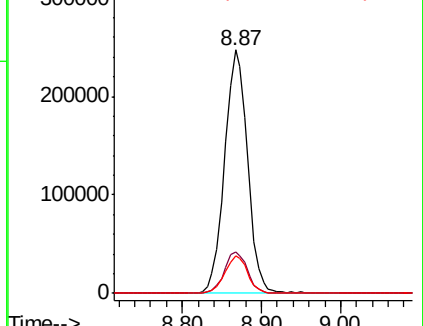
88 15.6 0.0 33.0



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: 53.251 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

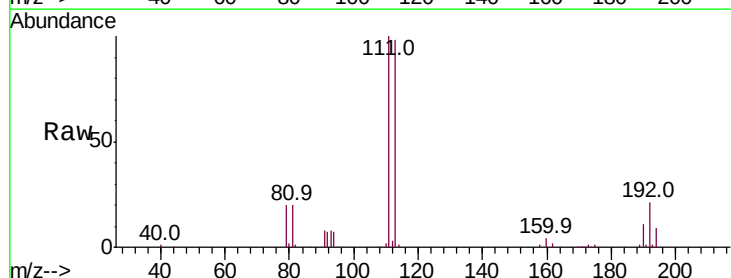
Tgt Ion:113 Resp: 158935

Ion Ratio Lower Upper

113 100

111 101.6 80.0 120.0

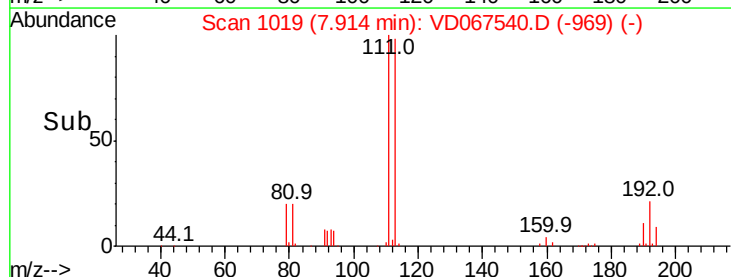
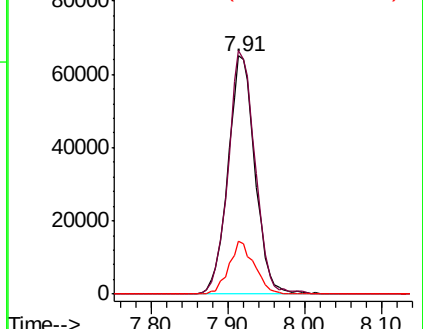
192 20.7 16.3 24.5

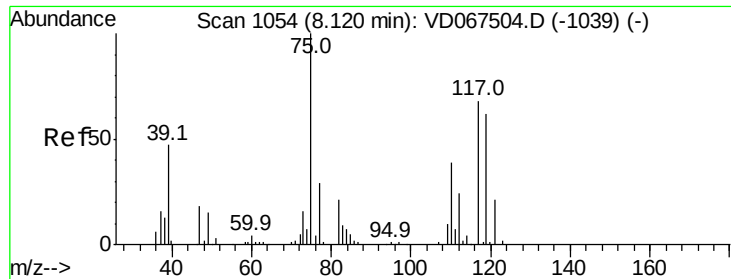


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.226 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

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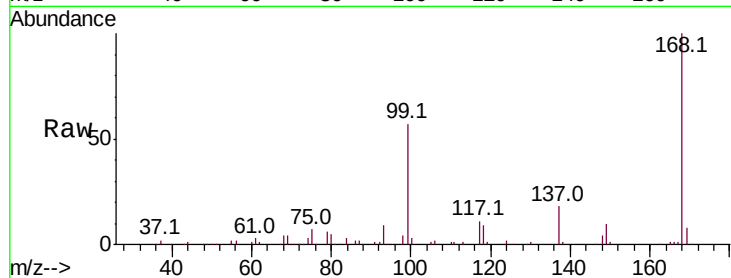
Tot Ion: 75 Resp: 22160

Ion Ratio Lower Upper

75 100

110 10.8 19.9 59.7#

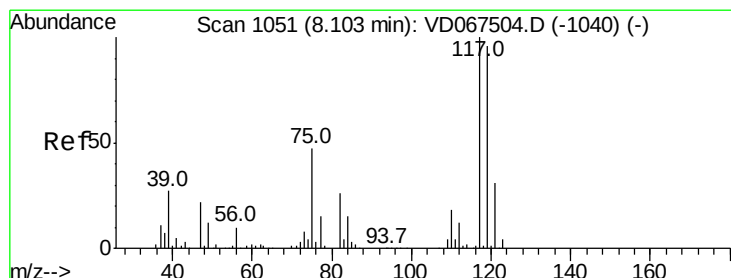
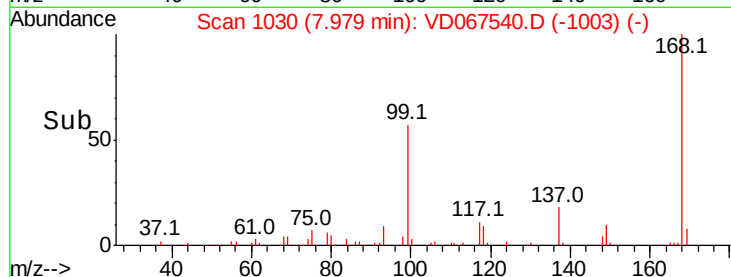
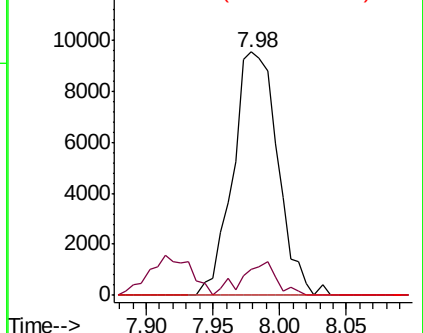
77 0.0 24.8 37.2#



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



#38

Carbon Tetrachloride

Concen: 5.671 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

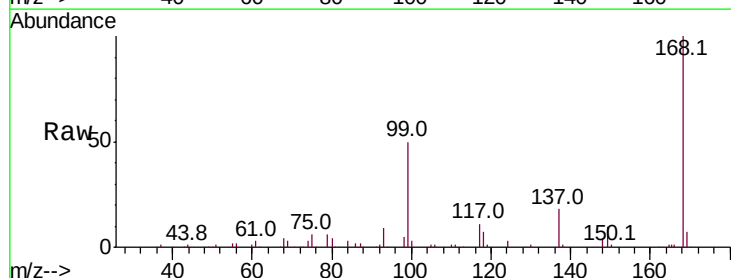
Tgt Ion: 117 Resp: 31243

Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

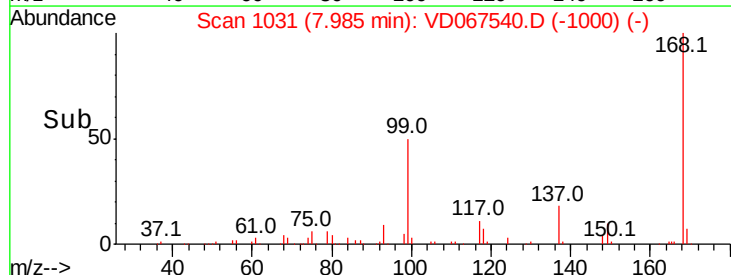
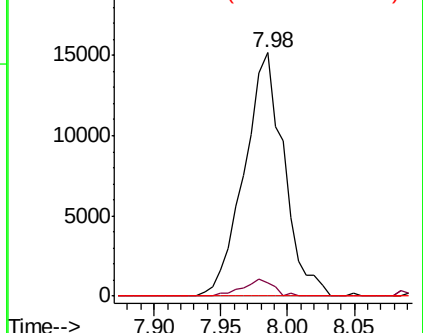
121 0.0 24.5 36.7#

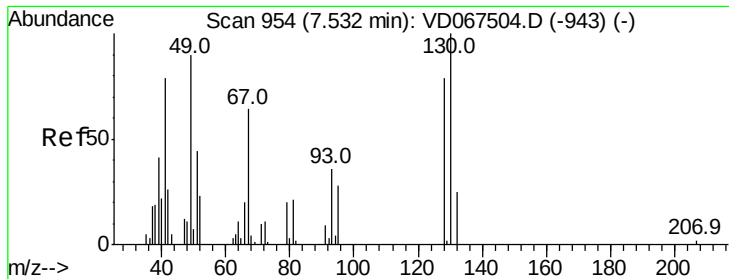


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

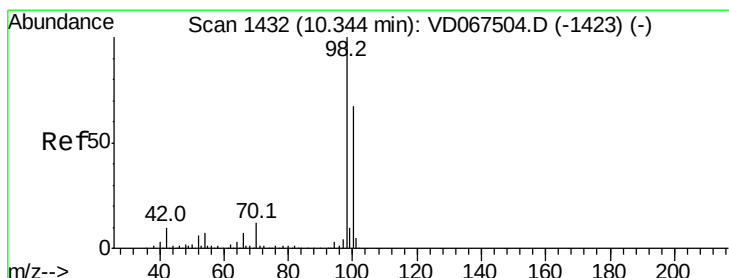
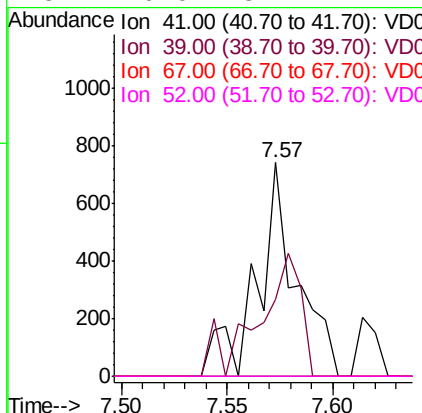
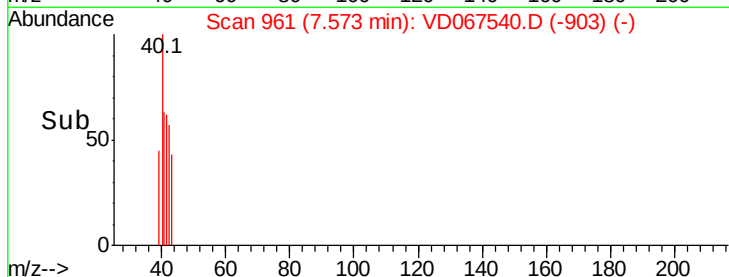
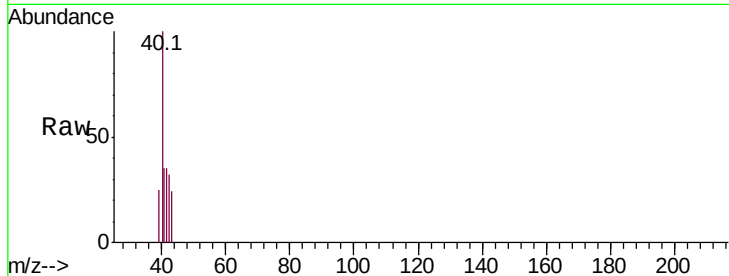




#41
Methacrylonitrile
Concen: 1.474 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

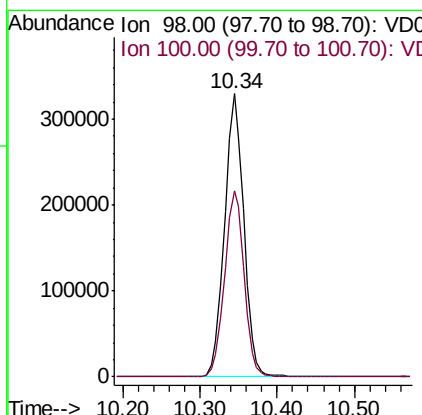
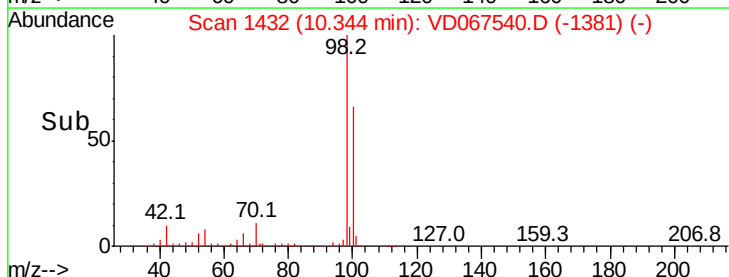
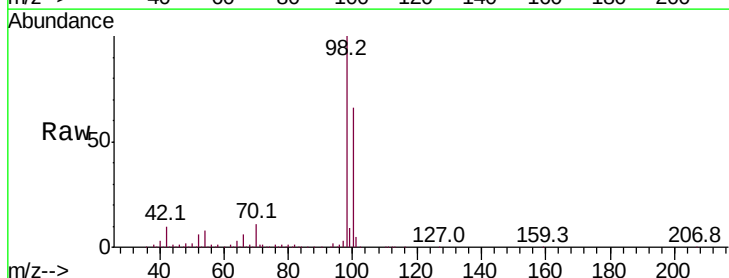
Instrument :
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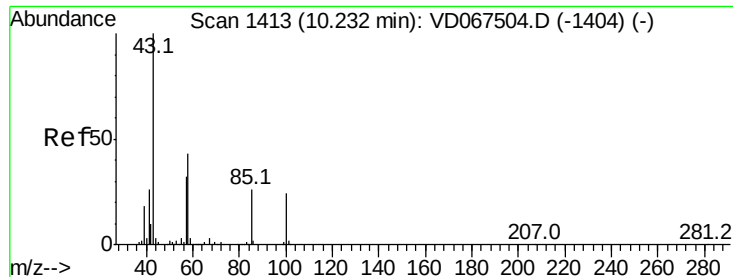
Tot Ion: 41 Resp: 970
Ion Ratio Lower Upper
41 100
39 55.7 51.3 76.9
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#



#50
Toluene-d8
Concen: 54.756 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

Tgt Ion: 98 Resp: 574318
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.972 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

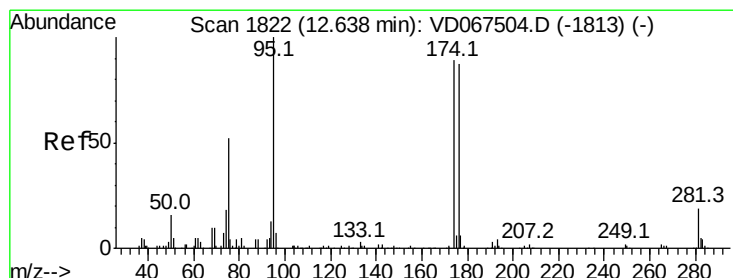
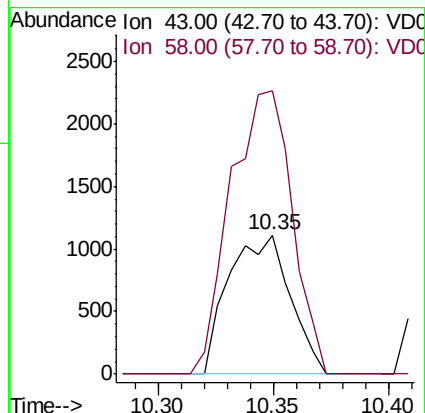
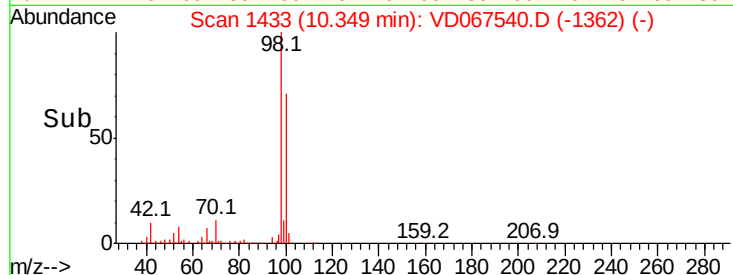
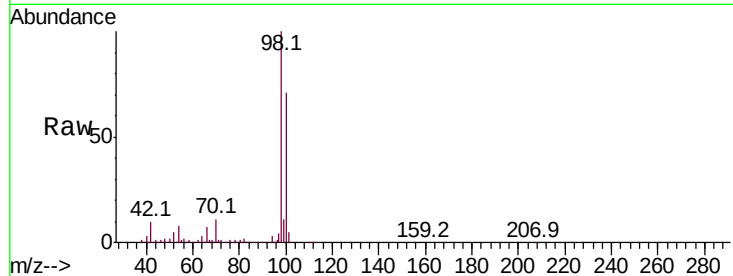
PAV-B49-110520-0-1

Tot Ion: 43 Resp: 2053

Ion Ratio Lower Upper

43 100

58 204.2 35.6 53.4#



#62

4-Bromofluorobenzene

Concen: 56.110 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

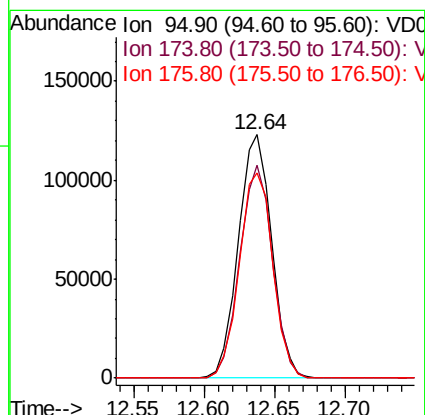
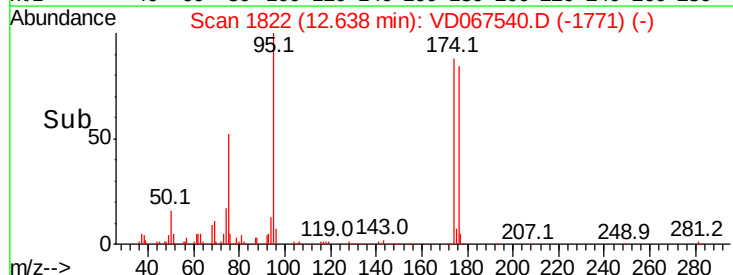
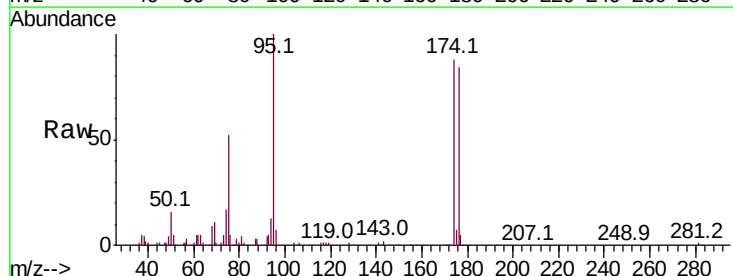
Tgt Ion: 95 Resp: 203185

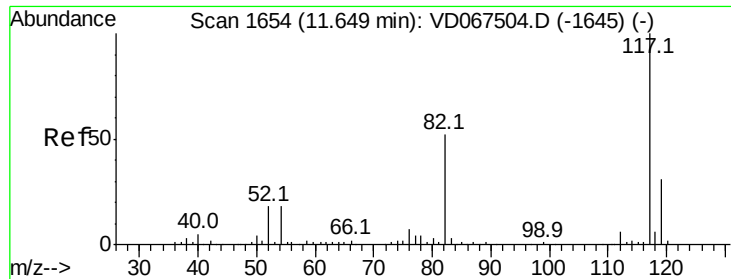
Ion Ratio Lower Upper

95 100

174 86.1 0.0 177.8

176 85.0 0.0 172.0

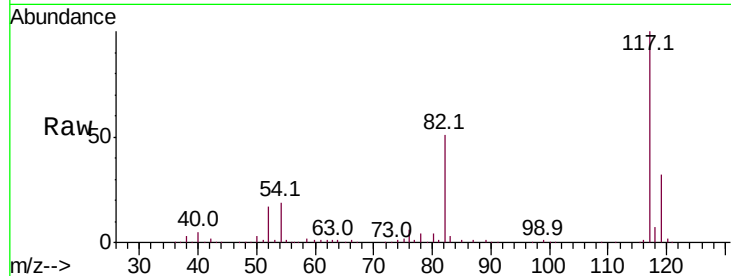




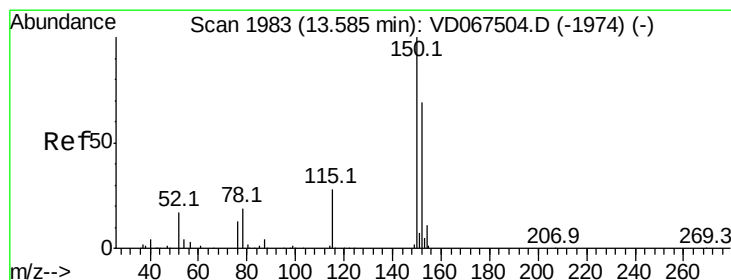
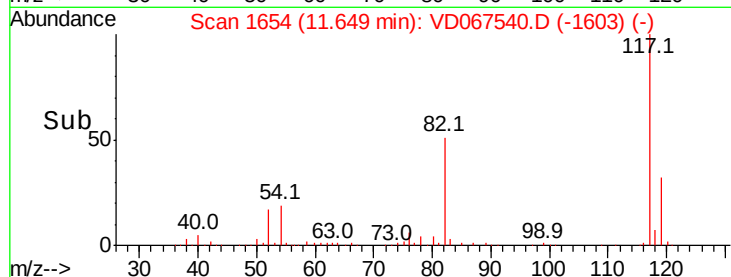
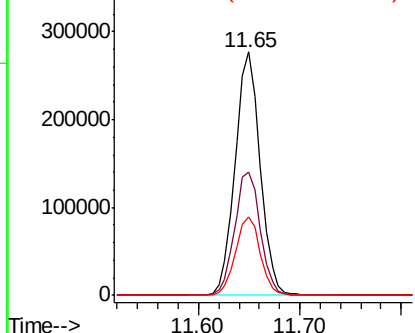
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

Instrument :
MSVOA_D
ClientSampleId :
PAV-B49-110520-0-1

Tot Ion:117 Resp: 474983
Ion Ratio Lower Upper
117 100
82 50.9 41.6 62.4
119 32.4 25.1 37.7

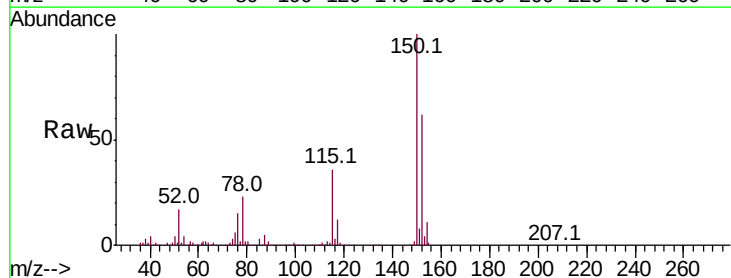


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

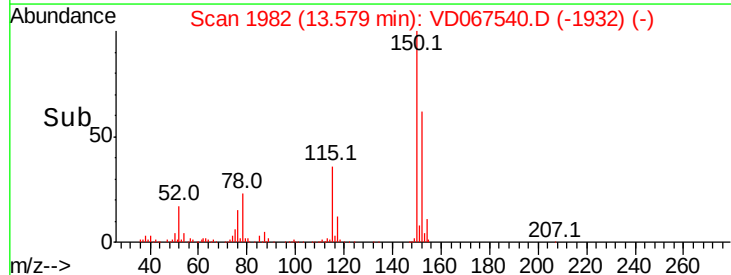
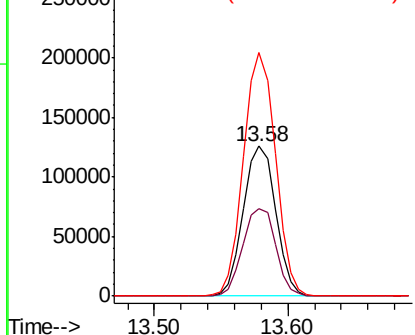


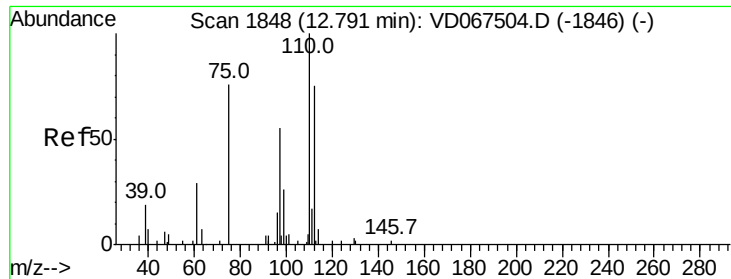
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067540.D
Acq: 05 Nov 2020 16:40

Tgt Ion:152 Resp: 211914
Ion Ratio Lower Upper
152 100
115 59.2 29.3 88.0
150 159.8 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: 81.001 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

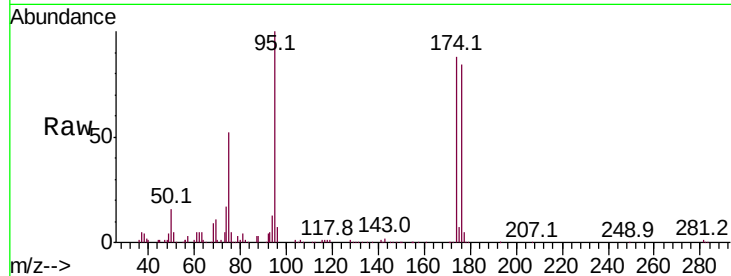
PAV-B49-110520-0-1

Tot Ion: 75 Resp: 103550

Ion Ratio Lower Upper

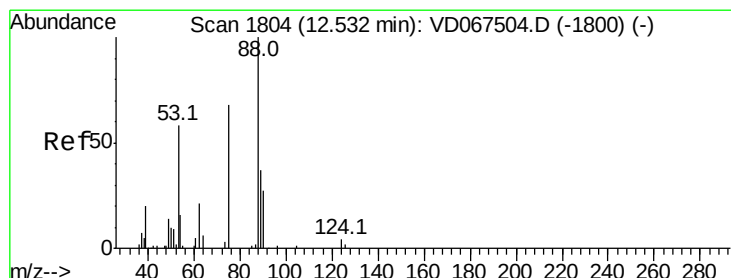
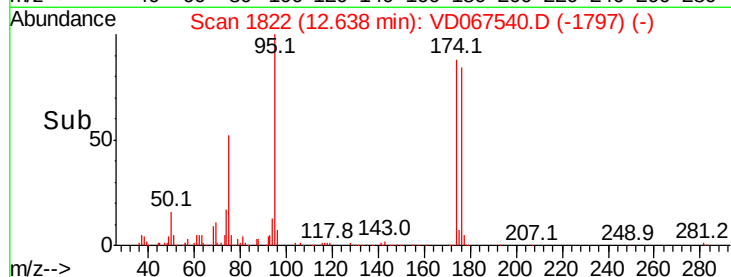
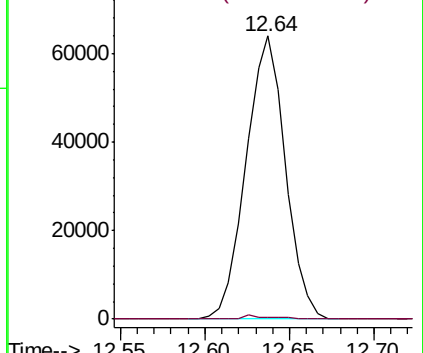
75 100

77 1.1 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: 164.453 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067540.D

Acq: 05 Nov 2020 16:40

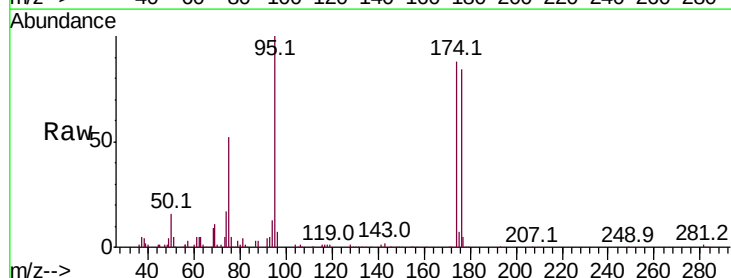
Tgt Ion: 75 Resp: 103550

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

