

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067523.D
 Acq On : 04 Nov 2020 16:33
 Operator : VA/SY
 Sample : L4622-09
 Misc : 5.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110220-0-1

Quant Time: Nov 05 00:39:13 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	288659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245443	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	157011	62.21	ug/l	0.00
Spiked Amount			Recovery	=	124.42%	
35) Dibromofluoromethane	7.92	113	153971	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.34	98	560535	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
62) 4-Bromofluorobenzene	12.64	95	210584	60.79	ug/l	0.00
Spiked Amount			Recovery	=	121.58%	

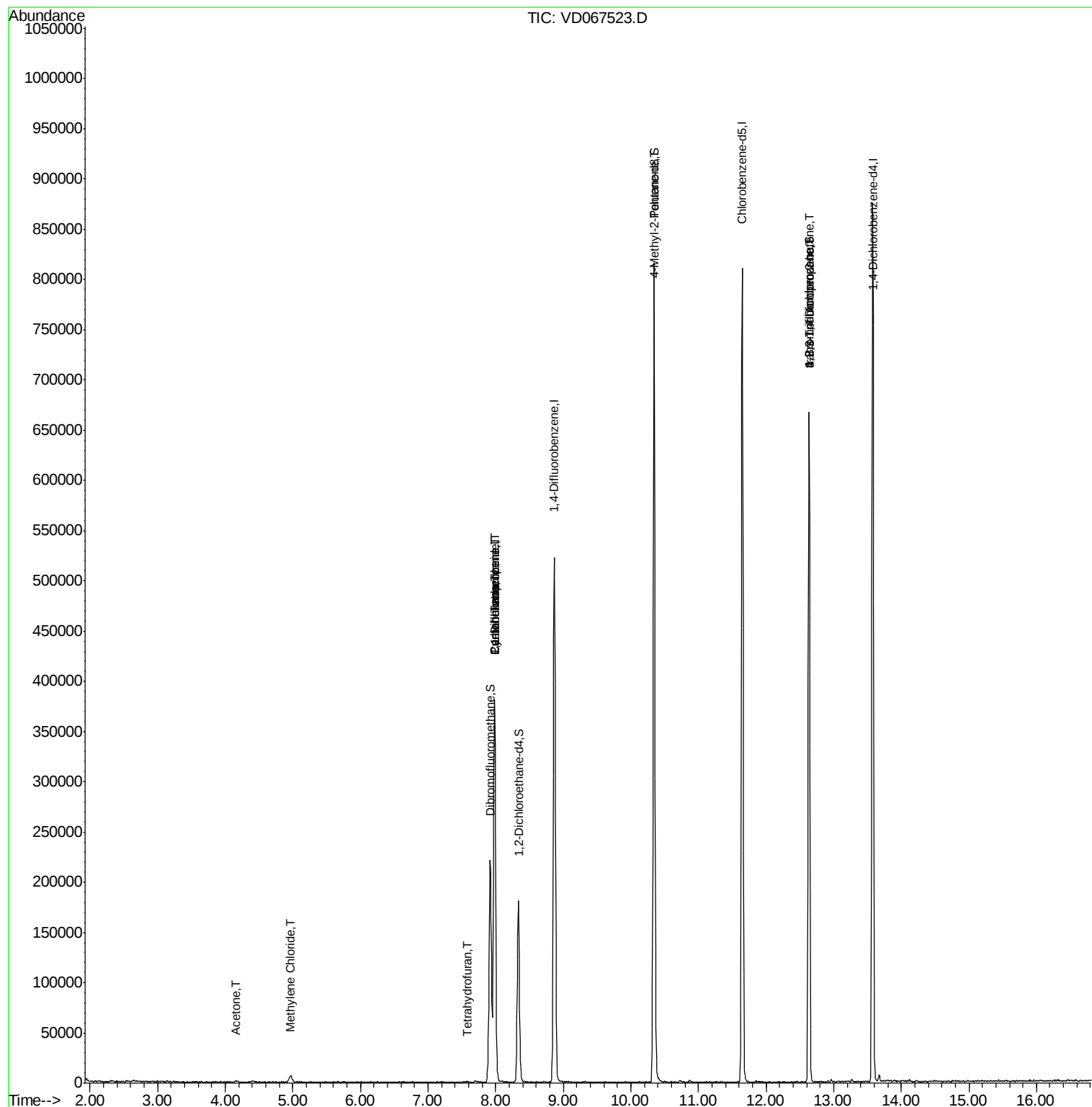
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	57	Below Cal	#	44
16) Acetone	4.16	43	2692	7.127	ug/l #	80
20) Methylene Chloride	4.96	84	5248	1.967	ug/l #	83
29) Tetrahydrofuran	7.58	42	317	1.311	ug/l	94
31) Cyclohexane	7.98	56	5570	1.522	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	19343	4.769	ug/l #	50
38) Carbon Tetrachloride	7.98	117	29356	5.570	ug/l #	17
51) 4-Methyl-2-Pentanone	10.36	43	2241	2.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110790	74.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110790	151.915	ug/l #	10

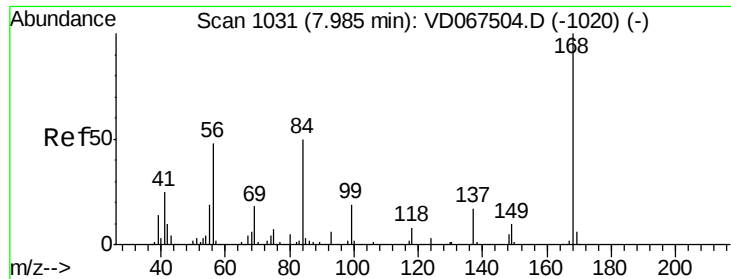
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 05 00:39:13 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: VD067523.D

Acq: 04 Nov 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

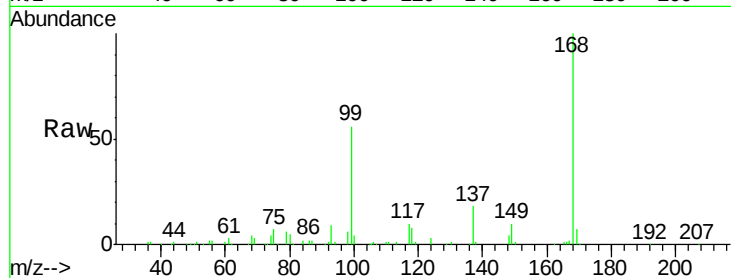
PAV-B7-110220-0-1

Tot Ion:168 Resp: 288659

Ion Ratio Lower Upper

168 100

99 56.3 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

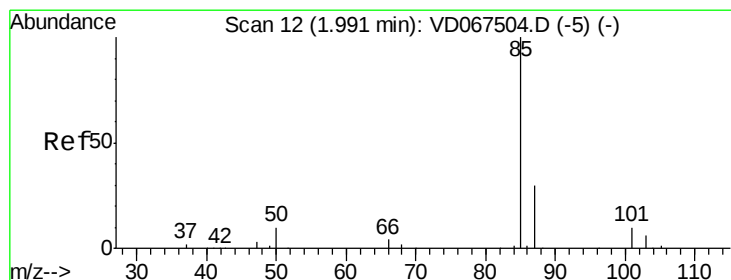
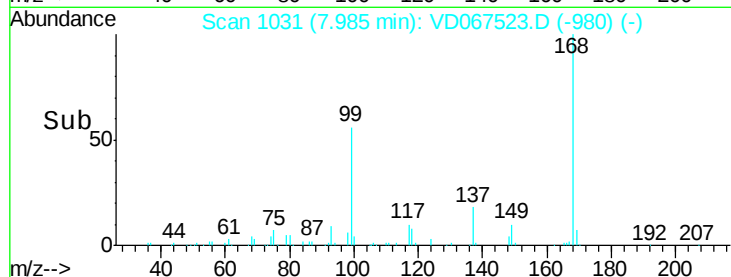
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067523.D

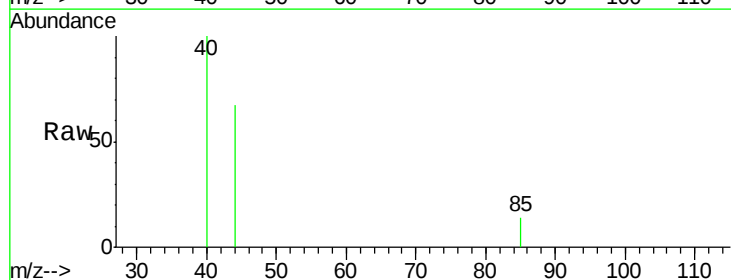
Acq: 04 Nov 2020 16:33

Tgt Ion: 85 Resp: 57

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

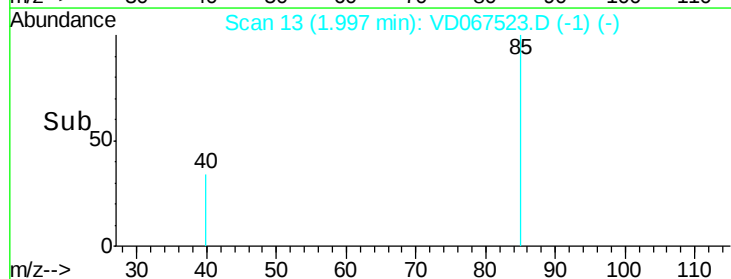
150

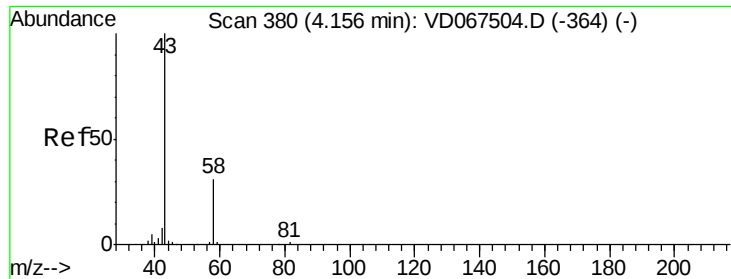
100

50

0

Time-->





#16

Acetone

Concen: 7.127 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067523.D

Acq: 04 Nov 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

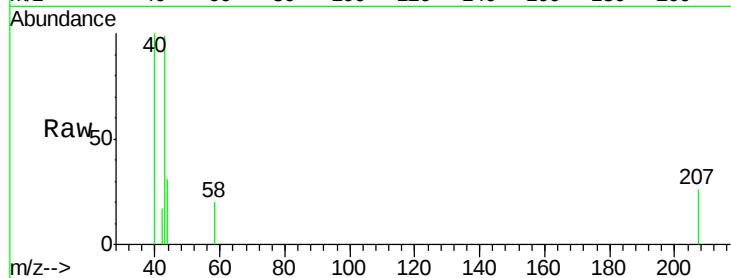
PAV-B7-110220-0-1

Tot Ion: 43 Resp: 2692

Ion Ratio Lower Upper

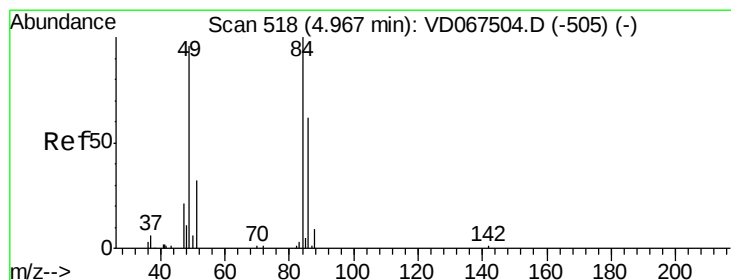
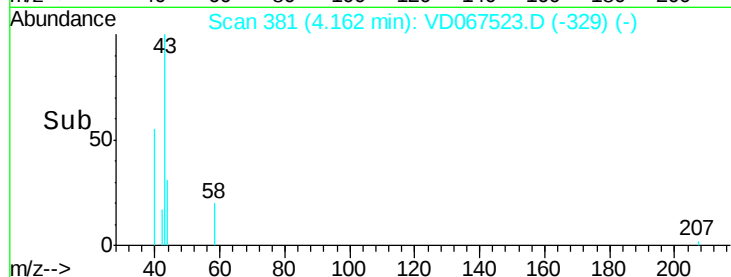
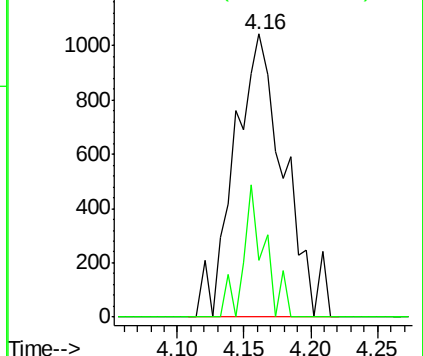
43 100

58 20.2 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: 1.967 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067523.D

Acq: 04 Nov 2020 16:33

Tgt Ion: 84 Resp: 5248

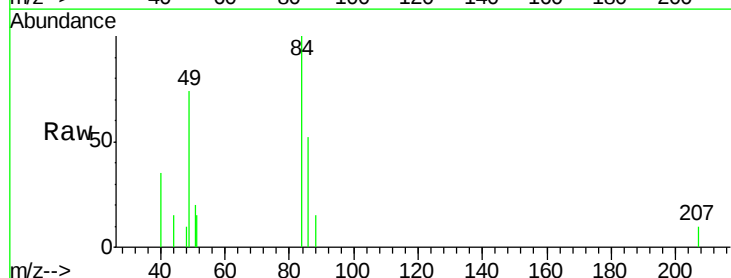
Ion Ratio Lower Upper

84 100

49 73.7 77.0 115.4#

51 34.9 25.4 38.2

86 52.3 49.4 74.0

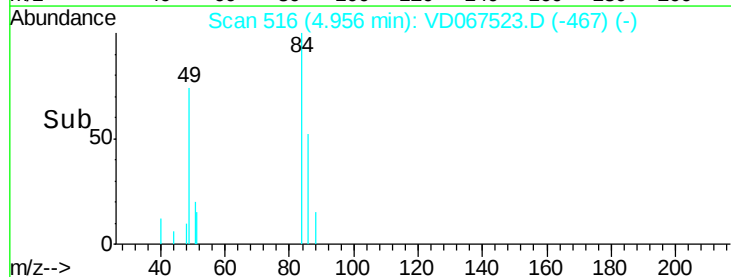
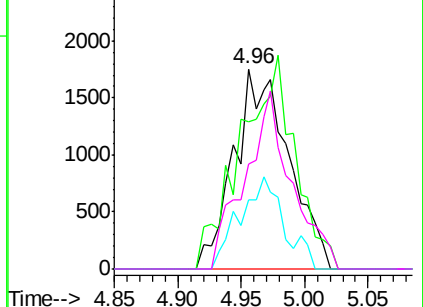


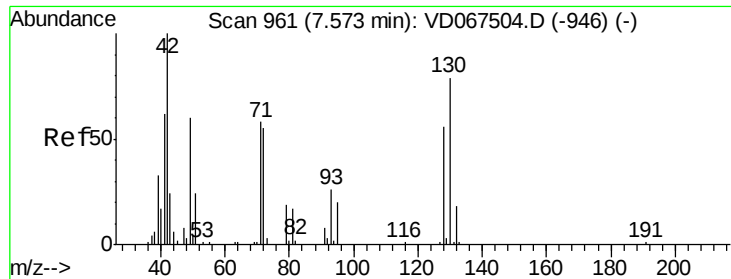
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

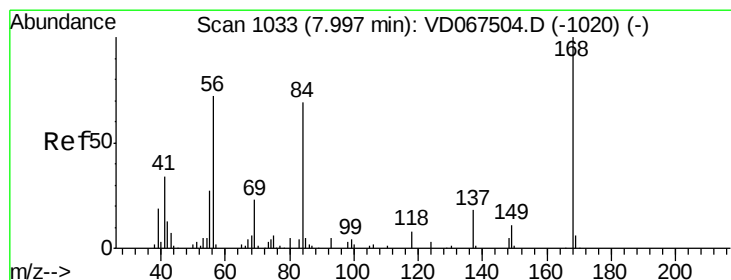
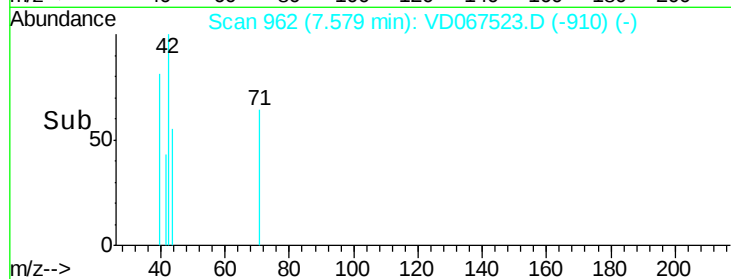
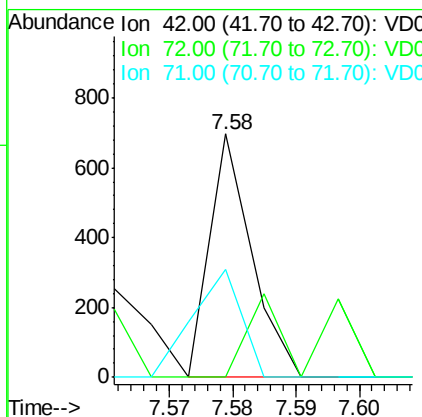
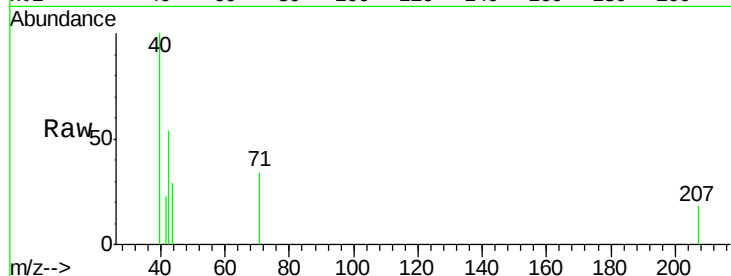




#29
Tetrahydrofuran
Concen: 1.311 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

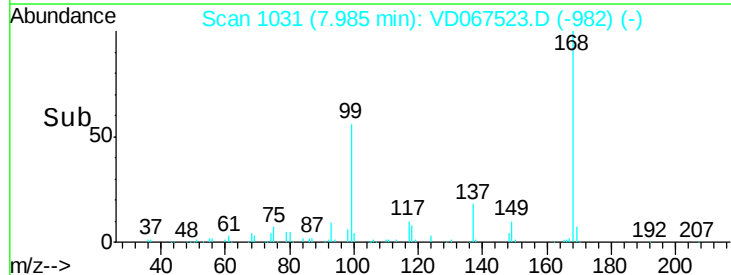
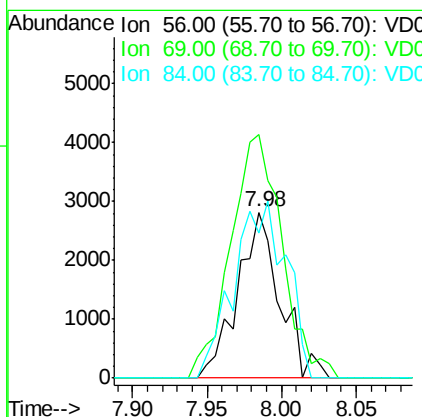
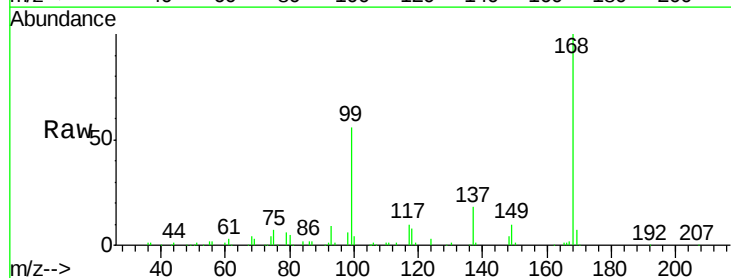
Instrument :
MSVOA_D
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PAV-B7-110220-0-1

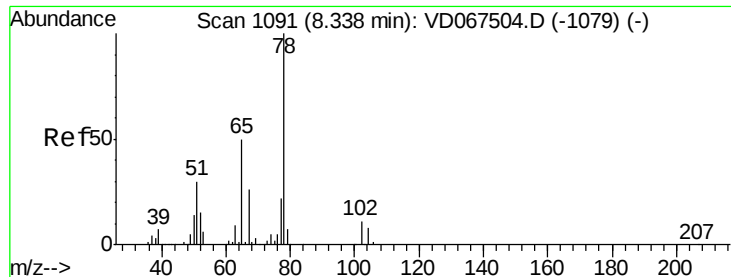
Tot Ion: 42 Resp: 317
Ion Ratio Lower Upper
42 100
72 51.4 46.3 69.5
71 52.1 44.0 66.0



#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

Tgt Ion: 56 Resp: 5570
Ion Ratio Lower Upper
56 100
69 146.5 25.9 38.9#
84 87.0 76.2 114.4

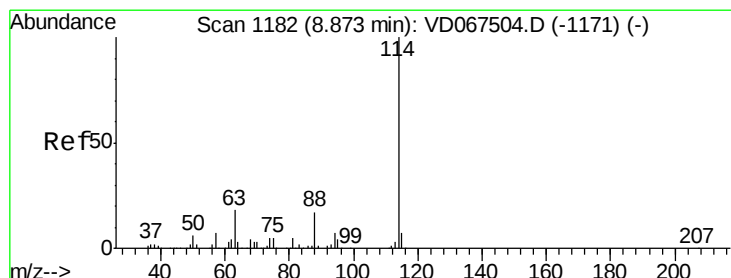
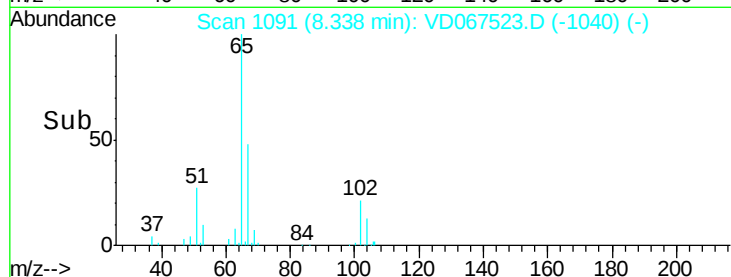
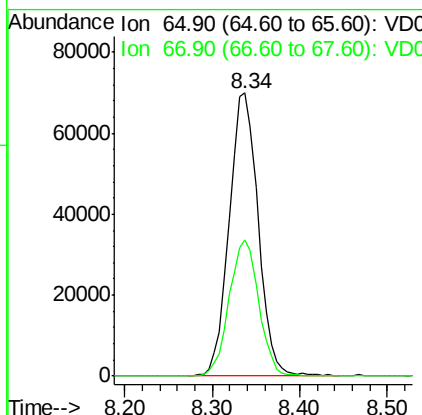
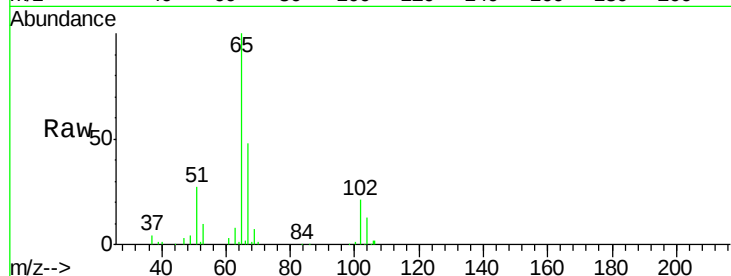




#33
 1,2-Dichloroethane-d4
 Concen: 62.207 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

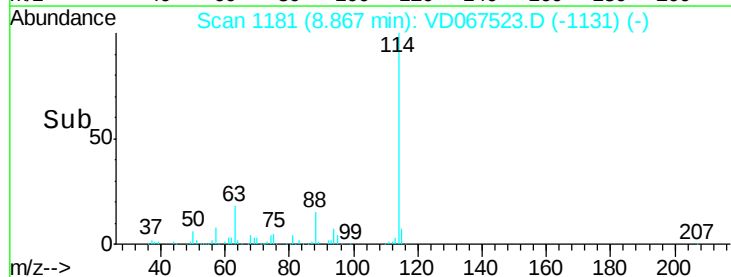
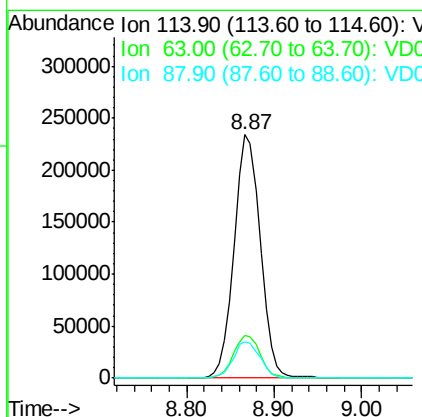
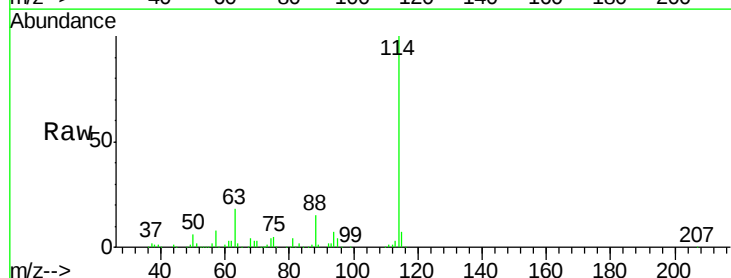
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110220-0-1

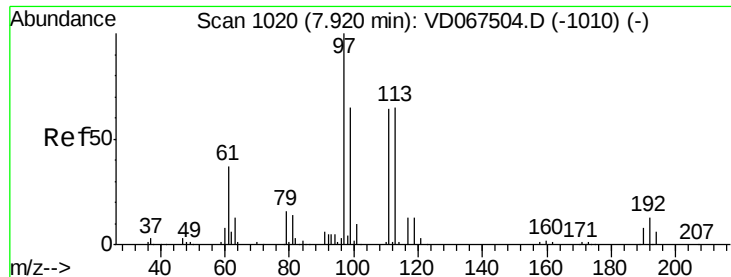
Tot Ion: 65 Resp: 157011
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

Tgt Ion: 114 Resp: 473858
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 15.0 0.0 33.0

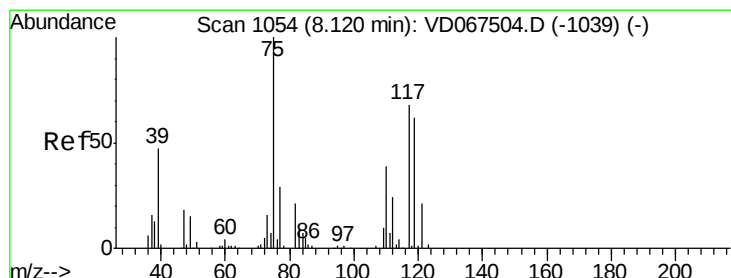
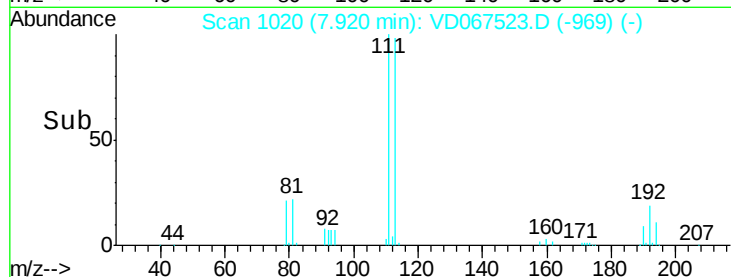
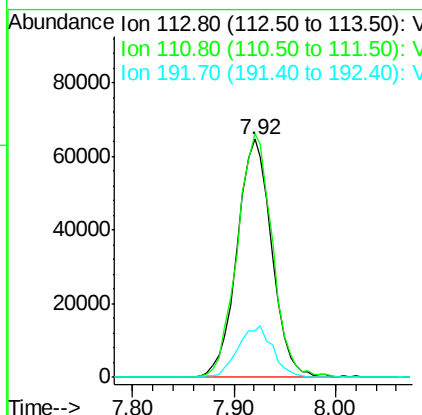
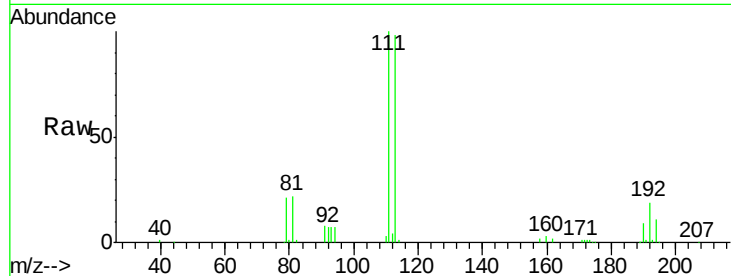




#35
 Dibromofluoromethane
 Concen: 53.931 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

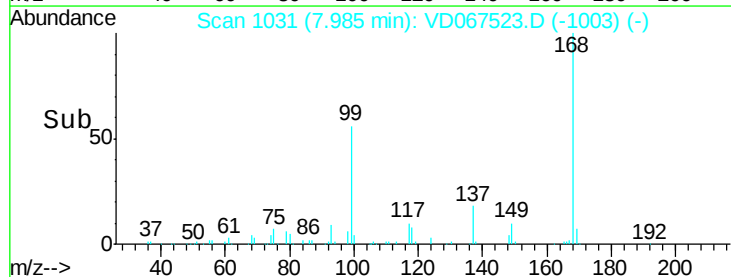
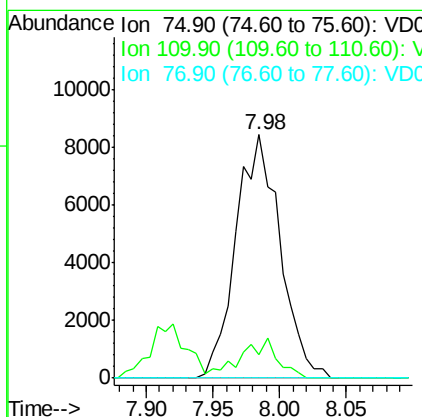
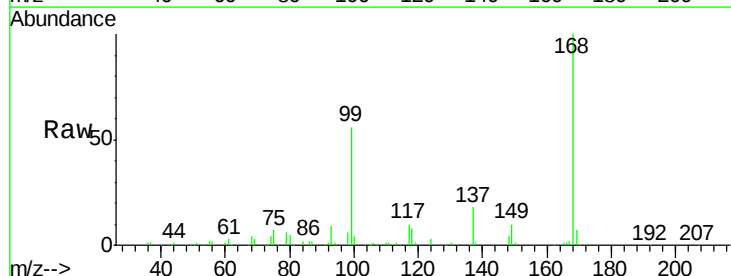
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110220-0-1

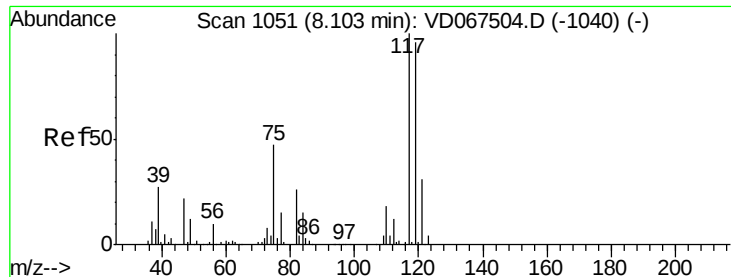
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.0	120.0
192	21.3	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	19.9	59.7#
77	0.0	24.8	37.2#

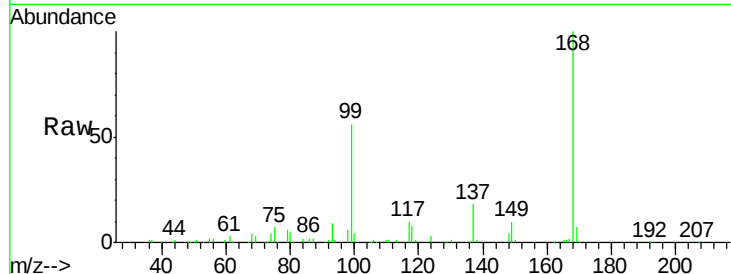




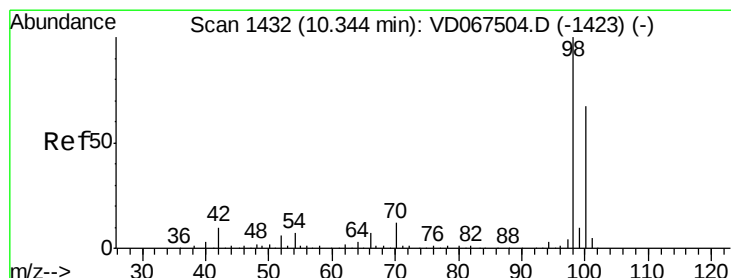
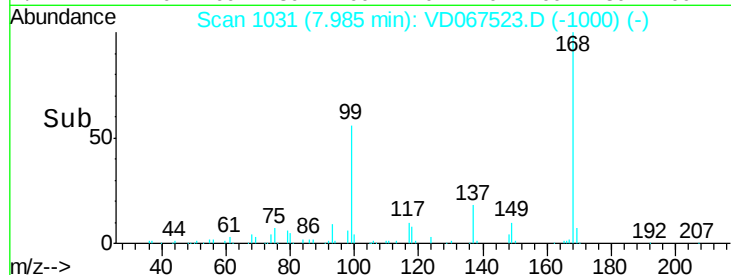
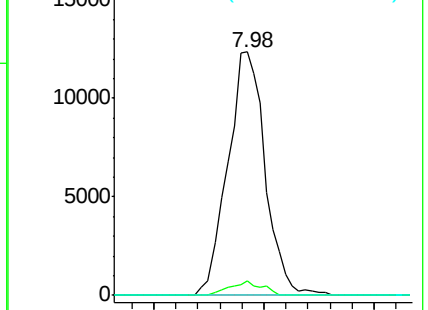
#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

Instrument :
MSVOA_D
ClientSampleId :
PAV-B7-110220-0-1

Tot Ion:117 Resp: 29356
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 24.5 36.7#

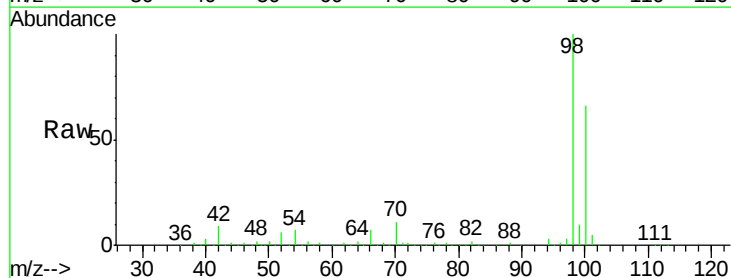


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

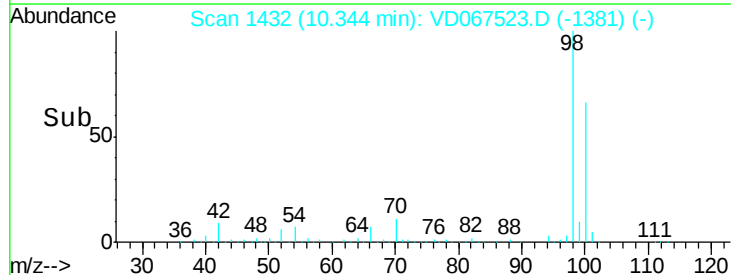
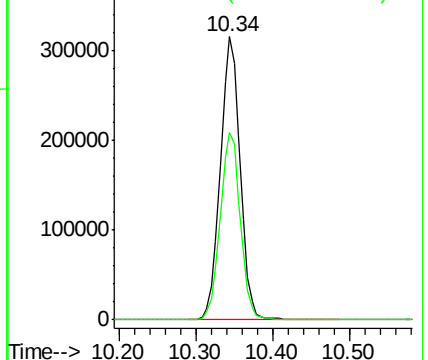


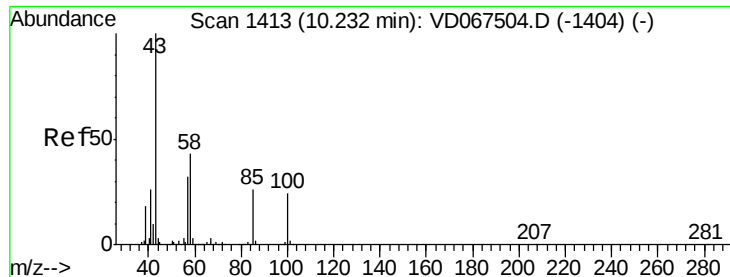
#50
Toluene-d8
Concen: 55.869 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

Tgt Ion: 98 Resp: 560535
Ion Ratio Lower Upper
98 100
100 66.7 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: 2.250 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.12 min

Lab File: VD067523.D

Acq: 04 Nov 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

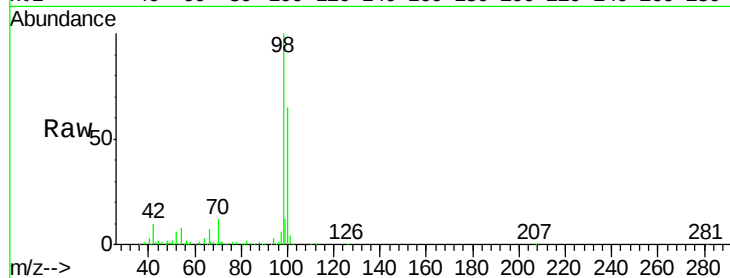
PAV-B7-110220-0-1

Tot Ion: 43 Resp: 2241

Ion Ratio Lower Upper

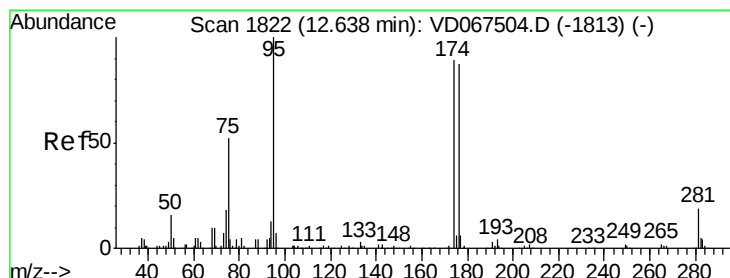
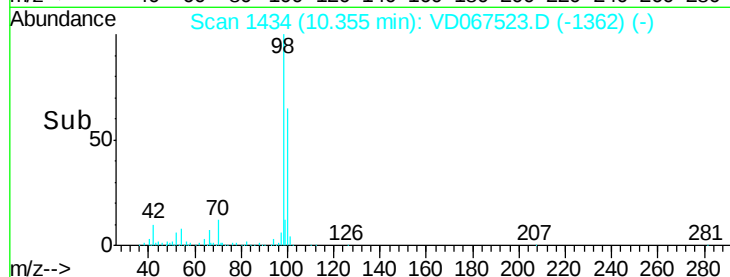
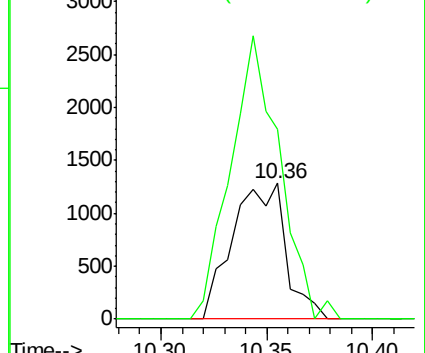
43 100

58 191.9 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: 60.794 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067523.D

Acq: 04 Nov 2020 16:33

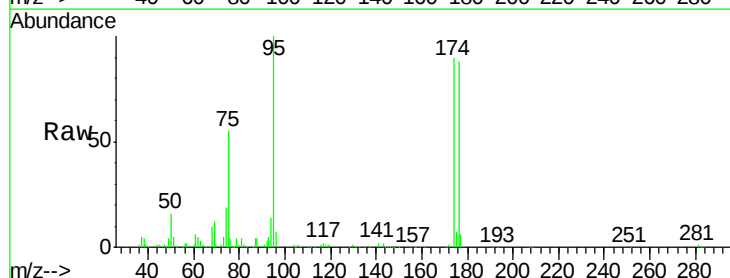
Tgt Ion: 95 Resp: 210584

Ion Ratio Lower Upper

95 100

174 88.8 0.0 177.8

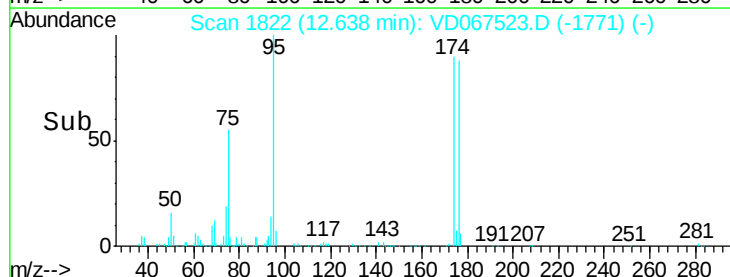
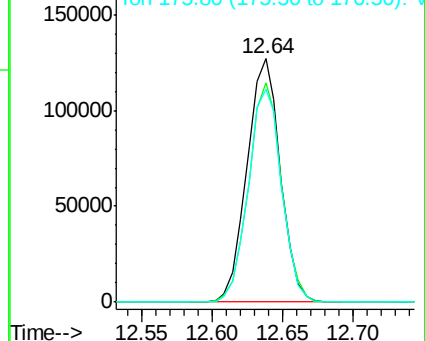
176 87.7 0.0 172.0

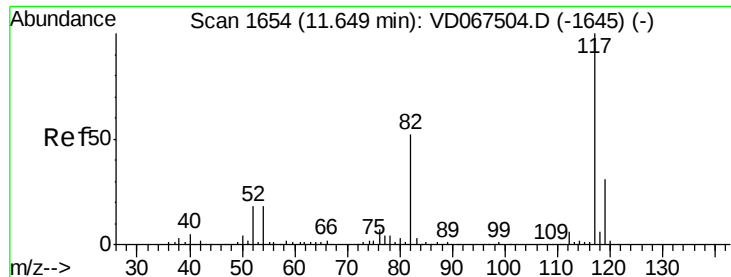


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

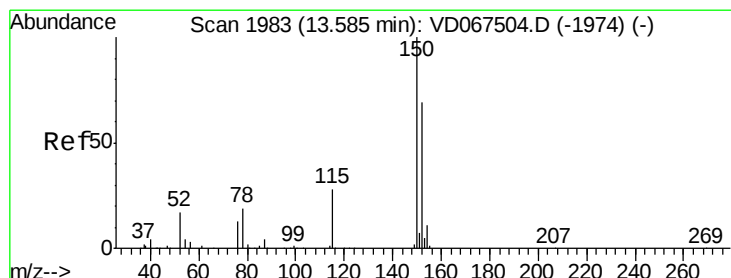
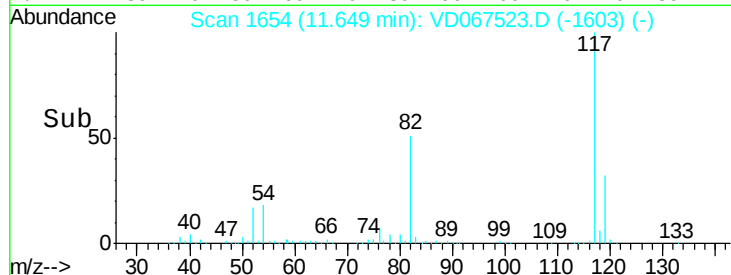
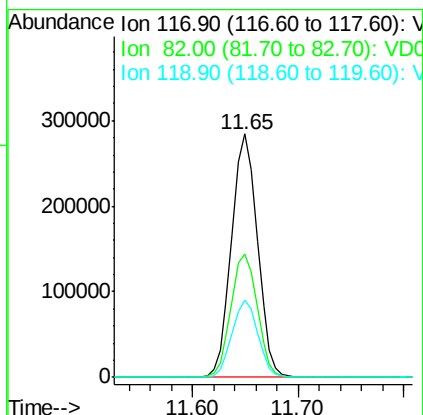
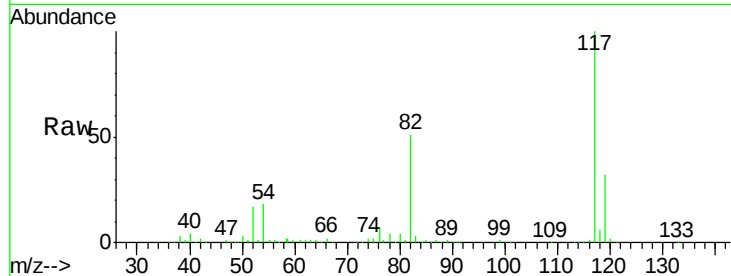




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

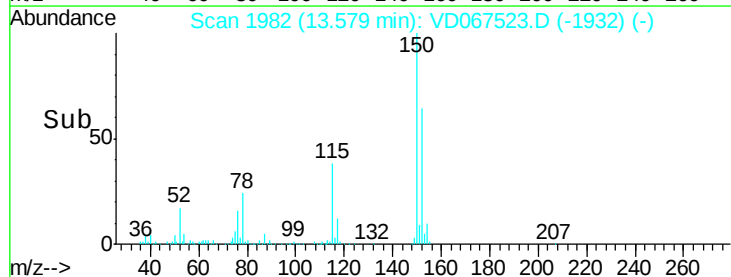
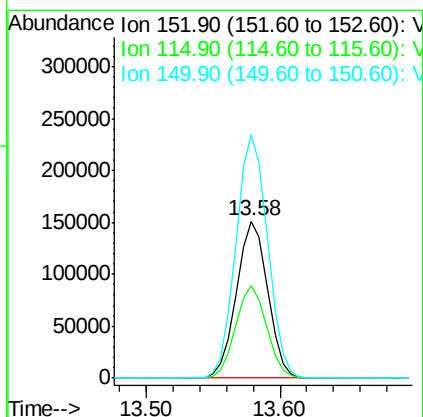
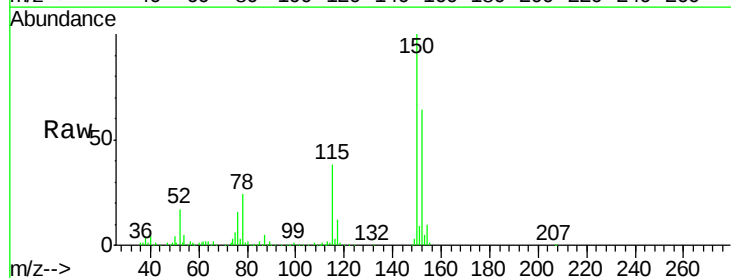
Instrument :
MSVOA_D
ClientSampleId :
PAV-B7-110220-0-1

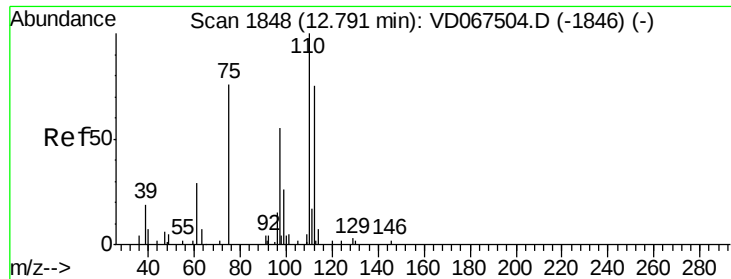
Tot Ion:117 Resp: 483385
Ion Ratio Lower Upper
117 100
82 50.7 41.6 62.4
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067523.D
Acq: 04 Nov 2020 16:33

Tgt Ion:152 Resp: 245443
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 156.6 0.0 338.2

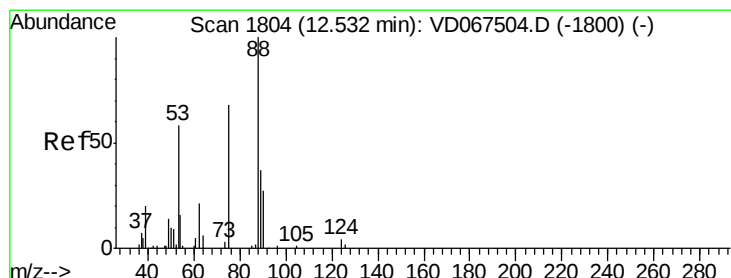
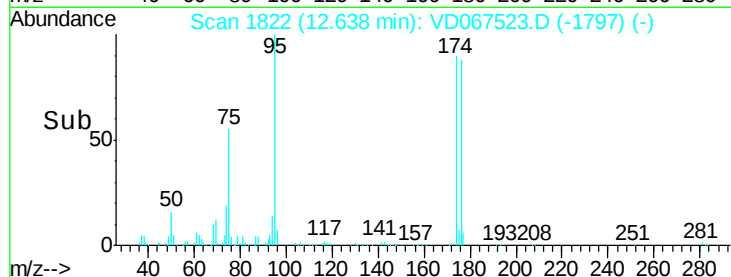
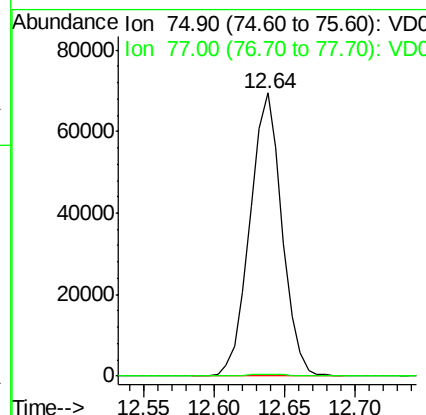
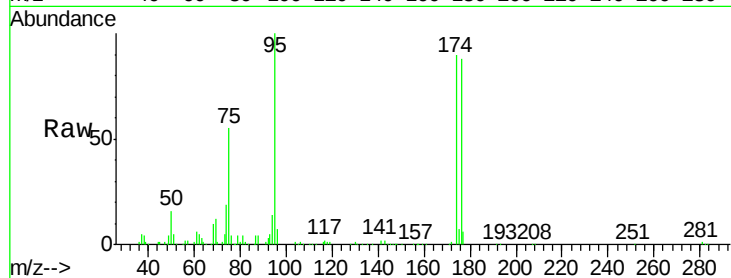




#76
 1,2,3-Trichloropropane
 Concen: 74.825 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110220-0-1

Tot Ion: 75 Resp: 110790
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.915 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067523.D
 Acq: 04 Nov 2020 16:33

Tgt Ion: 75 Resp: 110790
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.0 44.6 67.0#

