

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067522.D
 Acq On : 04 Nov 2020 16:05
 Operator : VA/SY
 Sample : L4621-07
 Misc : 7.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110320-19-20

Quant Time: Nov 05 00:38:53 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	275083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	480147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245341	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	152930	63.58	ug/l	0.00
Spiked Amount			Recovery	=	127.16%	
35) Dibromofluoromethane	7.92	113	152237	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
50) Toluene-d8	10.34	98	547035	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.64	95	209513	62.60	ug/l	0.00
Spiked Amount			Recovery	=	125.20%	

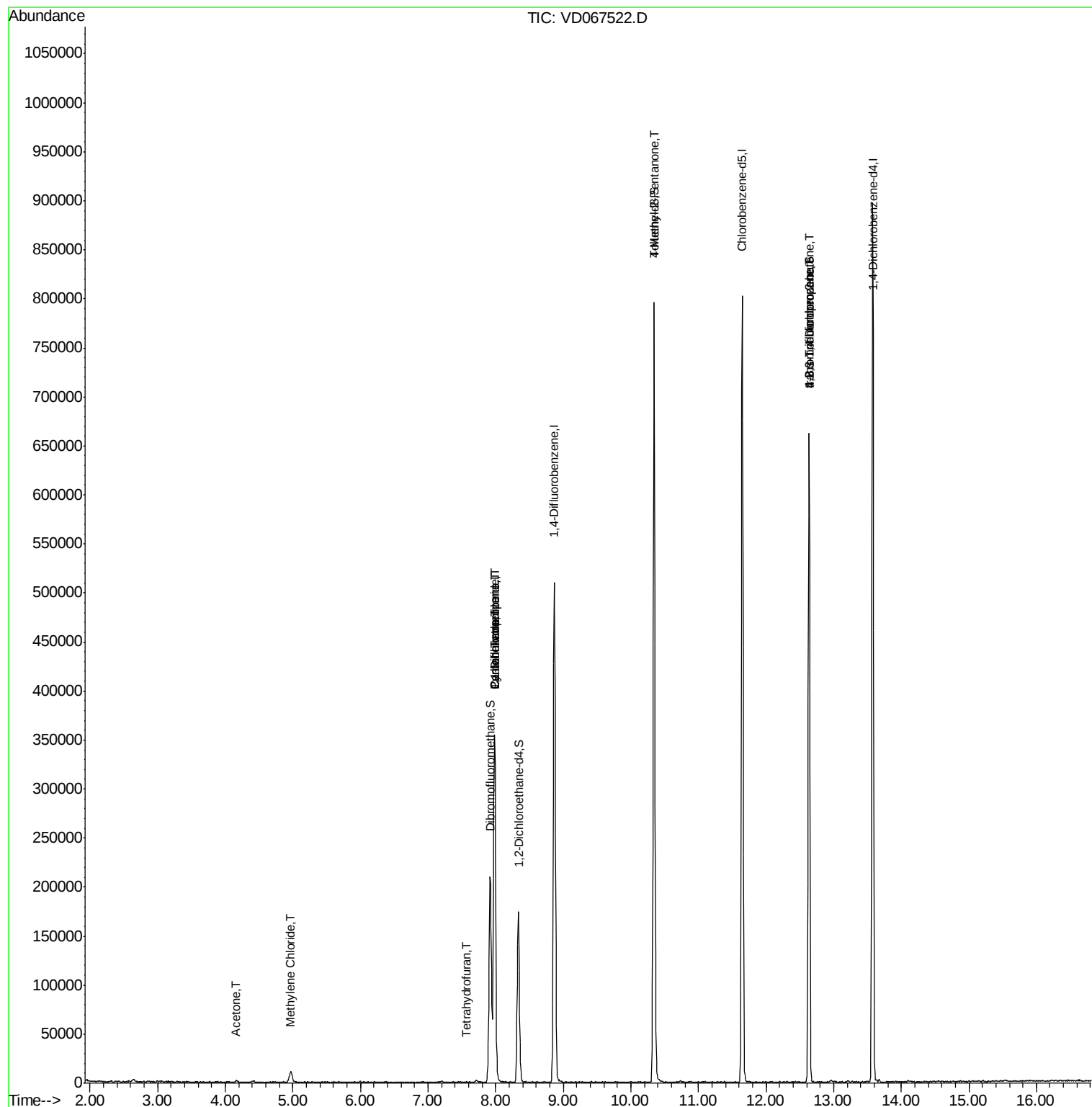
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	84	Below Cal	#	79
16) Acetone	4.16	43	2704	7.512	ug/l	99
20) Methylene Chloride	4.96	84	9389	3.693	ug/l	88
29) Tetrahydrofuran	7.57	42	278	1.207	ug/l #	53
31) Cyclohexane	7.98	56	5135	1.472	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	19227	4.906	ug/l #	48
38) Carbon Tetrachloride	7.98	117	28275	5.552	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2266	2.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108023	72.987	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108023	148.182	ug/l #	10

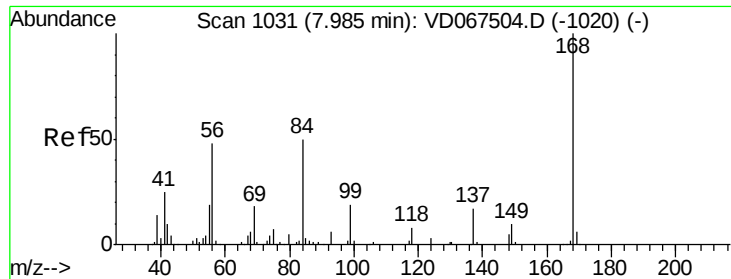
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110420\
Data File : VD067522.D
Acq On : 04 Nov 2020 16:05
Operator : VA/SY
Sample : L4621-07
Misc : 7.43G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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PAV-B8-110320-19-20

Quant Time: Nov 05 00:38:53 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: VD067522.D

Acq: 04 Nov 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

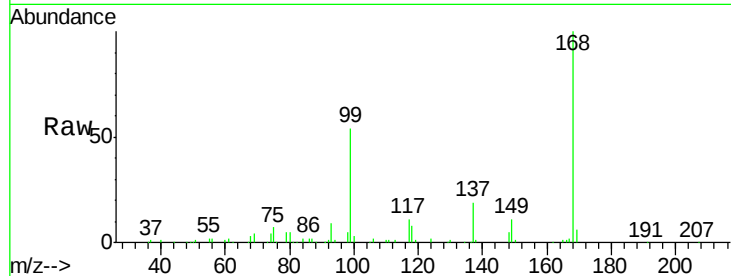
PAV-B8-110320-19-20

Tot Ion:168 Resp: 275083

Ion Ratio Lower Upper

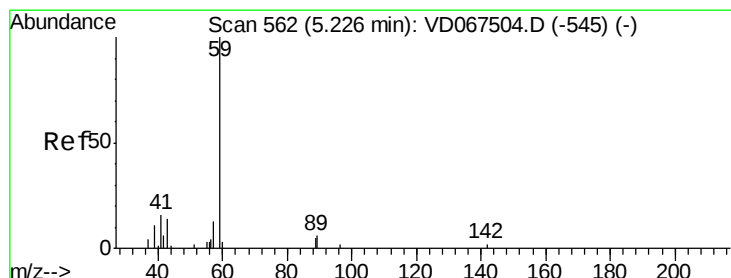
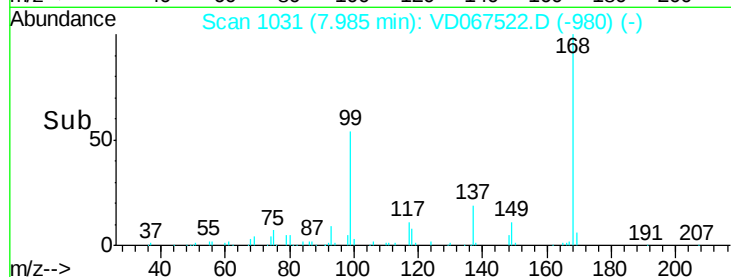
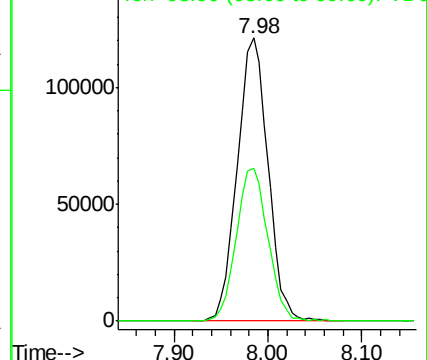
168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 554

Delta R.T. -0.05 min

Lab File: VD067522.D

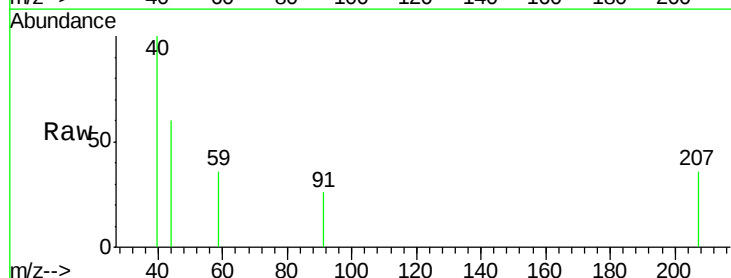
Acq: 04 Nov 2020 16:05

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

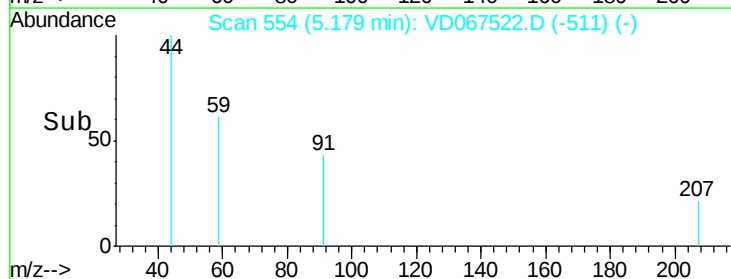
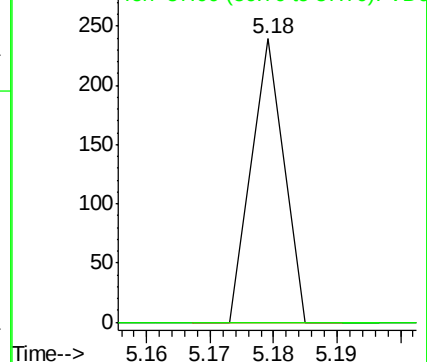
59 100

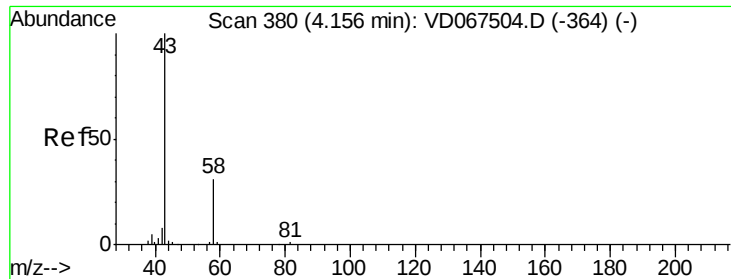
57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.512 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067522.D

Acq: 04 Nov 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

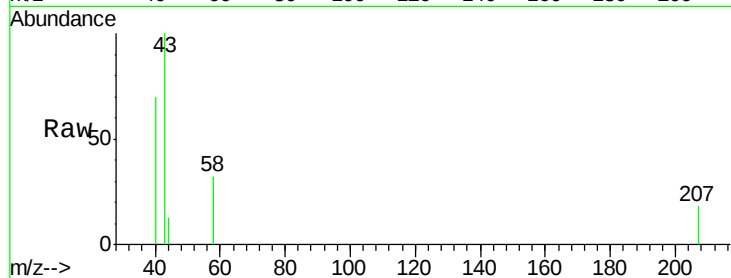
PAV-B8-110320-19-20

Tot Ion: 43 Resp: 2704

Ion Ratio Lower Upper

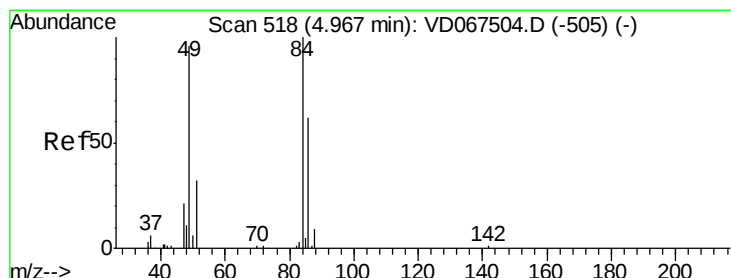
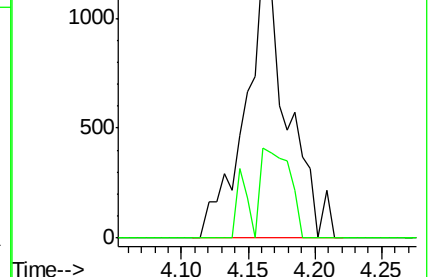
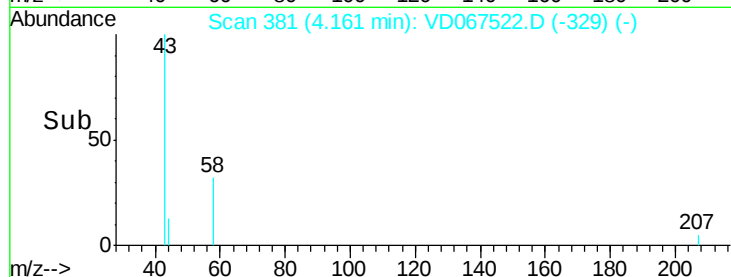
43 100

58 32.0 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: 3.693 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD067522.D

Acq: 04 Nov 2020 16:05

Tgt Ion: 84 Resp: 9389

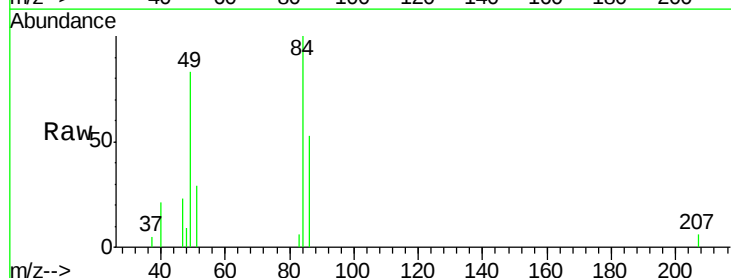
Ion Ratio Lower Upper

84 100

49 82.8 77.0 115.4

51 28.5 25.4 38.2

86 52.5 49.4 74.0

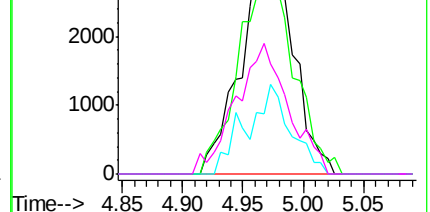
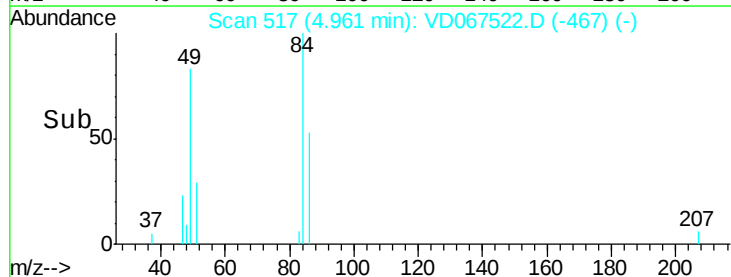
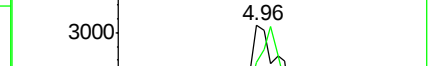


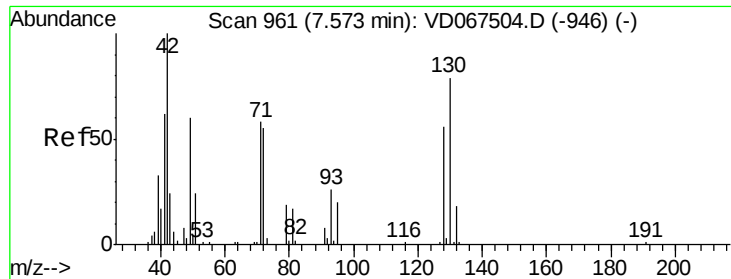
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

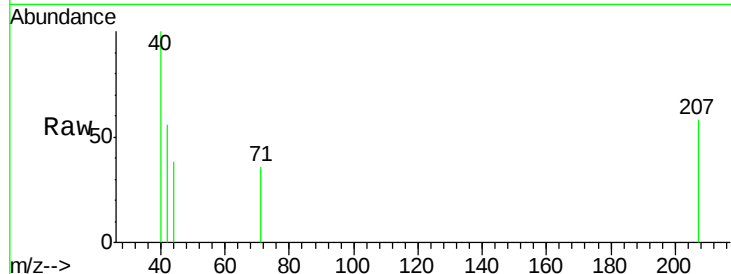




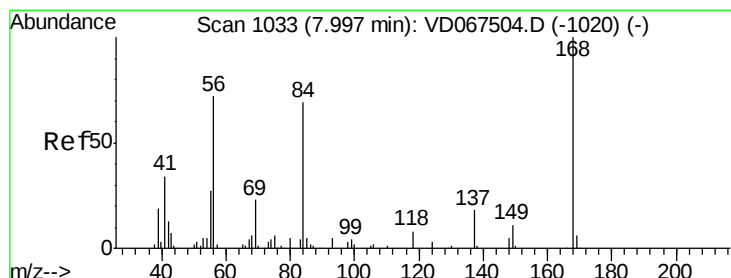
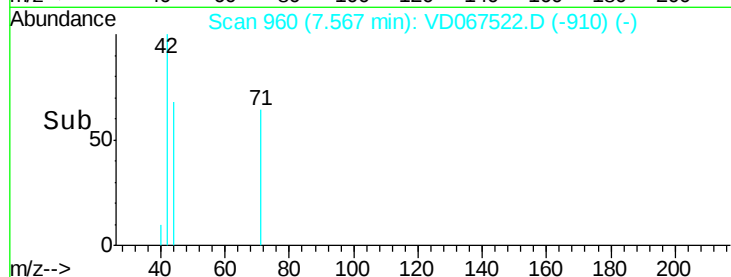
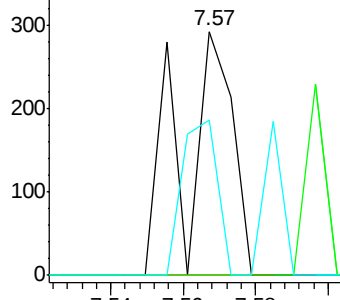
#29
Tetrahydrofuran
Concen: 1.207 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110320-19-20

Tot Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
72 0.0 46.3 69.5#
71 45.3 44.0 66.0

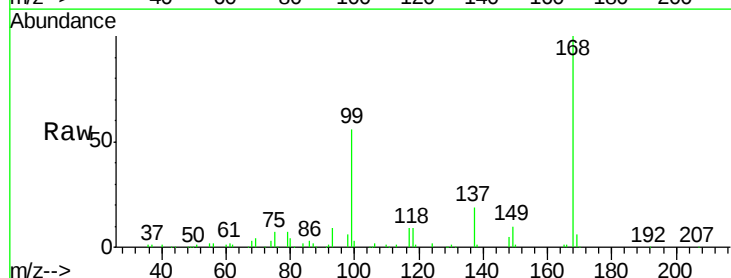


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

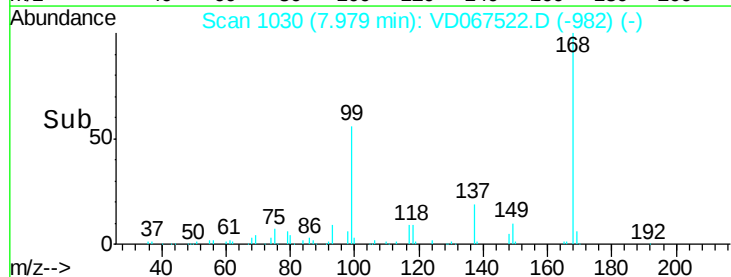
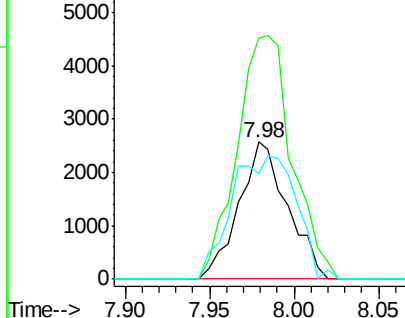


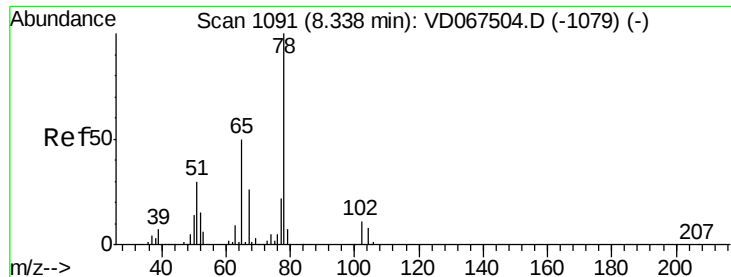
#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 175.6 25.9 38.9#
84 76.8 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

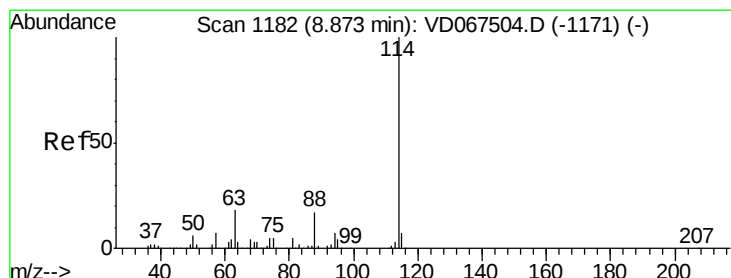
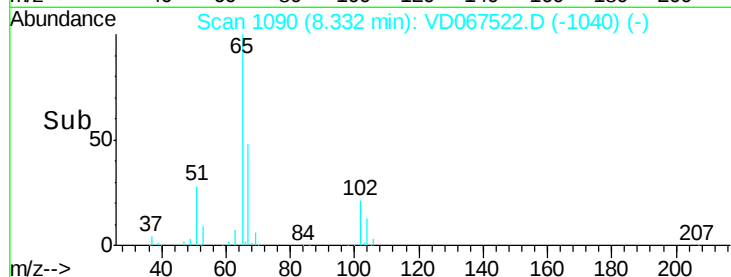
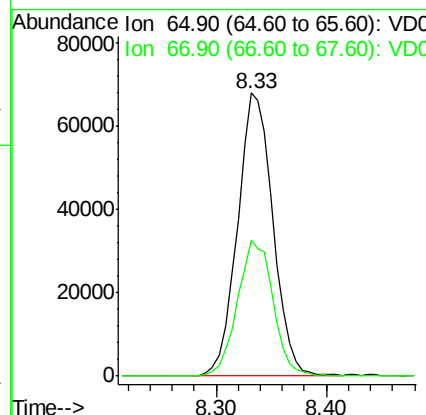
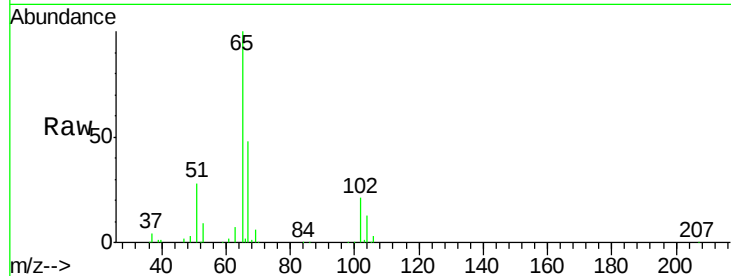




#33
 1,2-Dichloroethane-d4
 Concen: 63.580 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

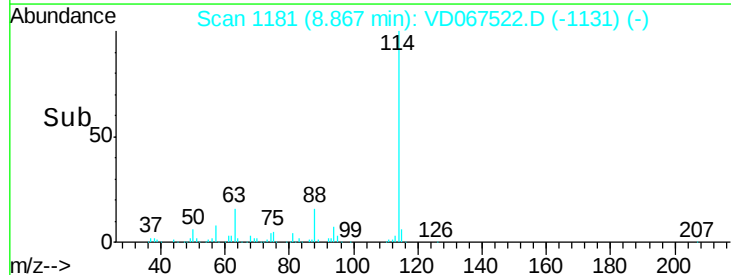
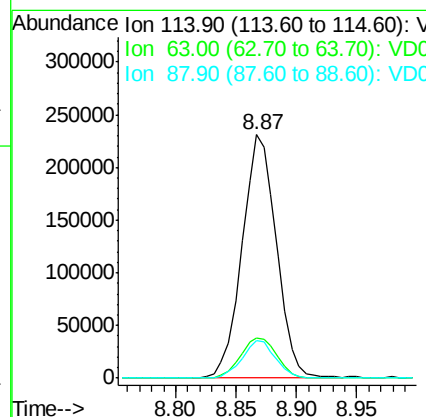
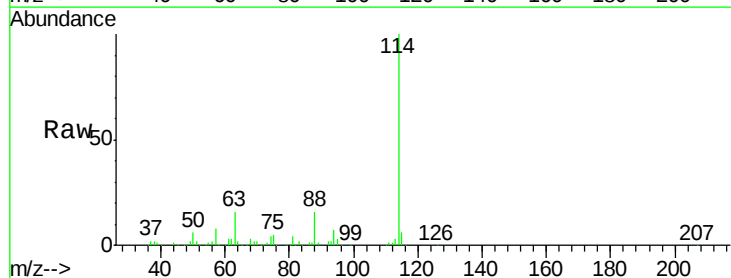
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110320-19-20

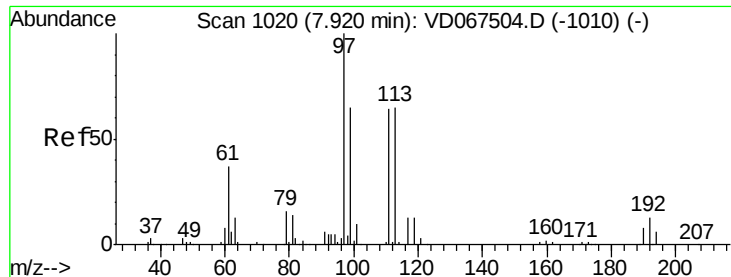
Tot Ion: 65 Resp: 152930
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

Tgt Ion: 114 Resp: 457885
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 35.0
 88 15.6 0.0 33.0

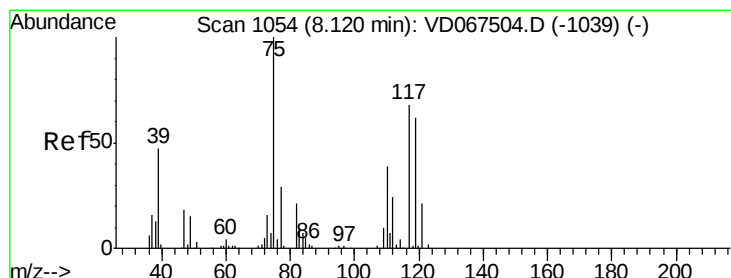
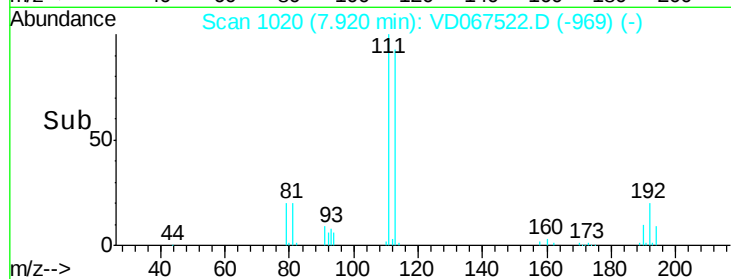
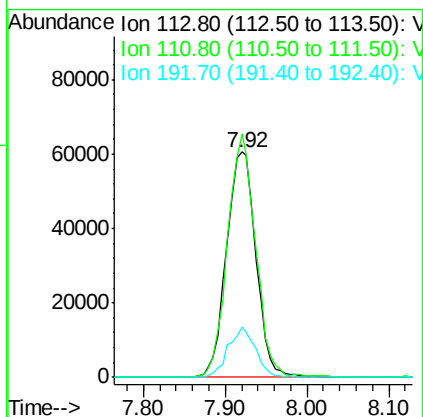
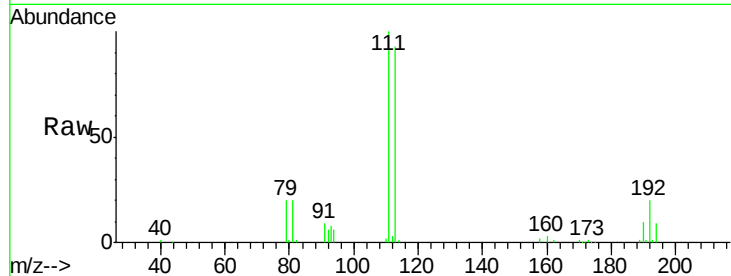




#35
 Dibromofluoromethane
 Concen: 55.183 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

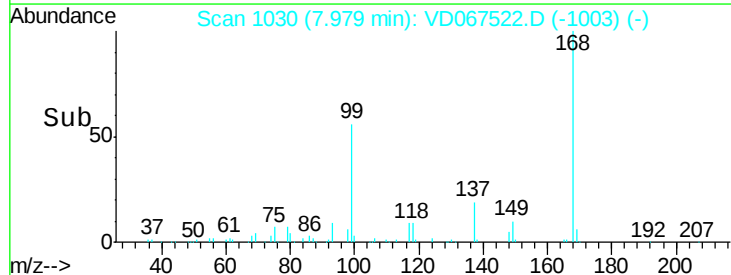
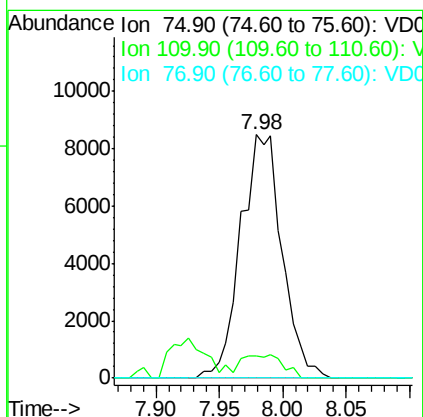
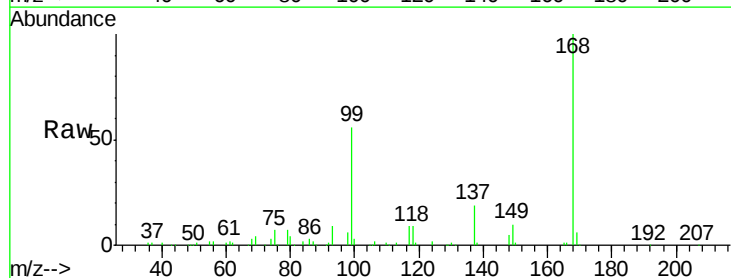
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110320-19-20

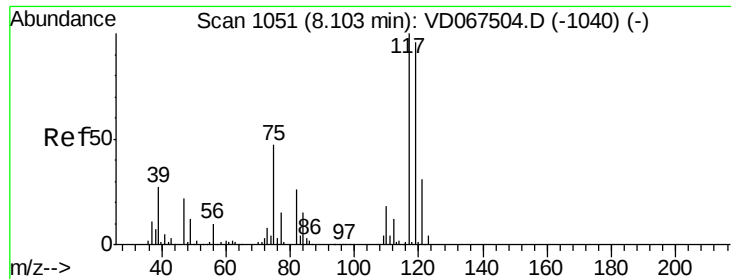
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.0	120.0
192	20.5	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.9	59.7#
77	0.0	24.8	37.2#

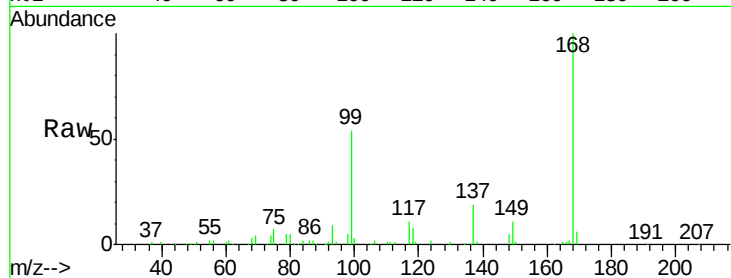




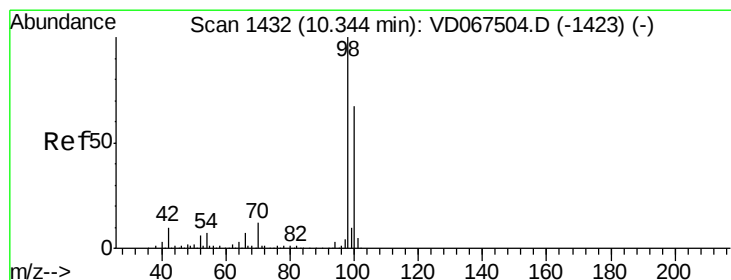
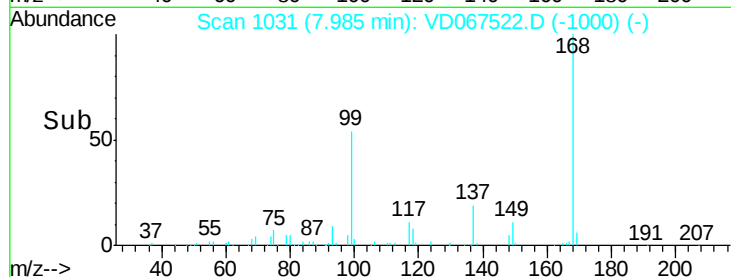
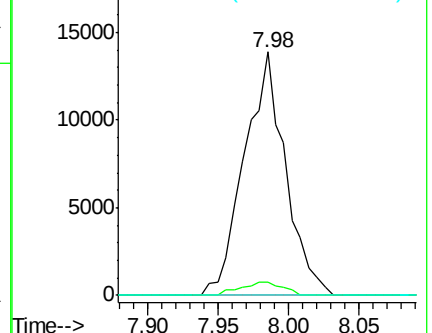
#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110320-19-20

Tot Ion:117 Resp: 28275
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.5 36.7#

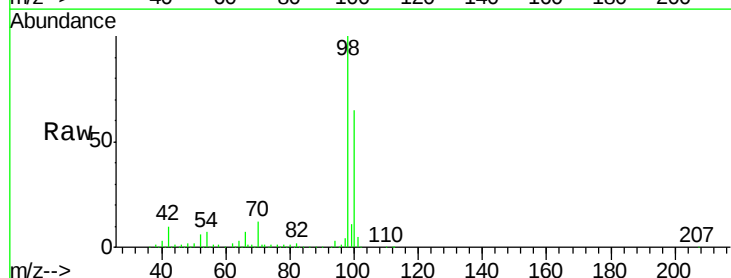


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

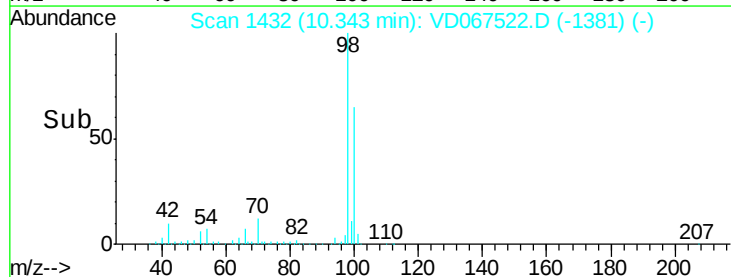
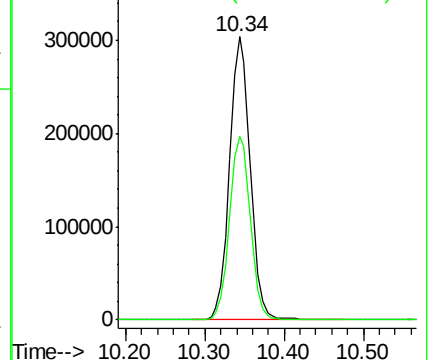


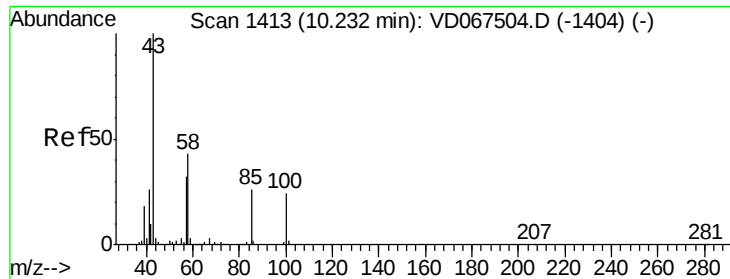
#50
Toluene-d8
Concen: 56.425 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Tgt Ion: 98 Resp: 547035
Ion Ratio Lower Upper
98 100
100 65.6 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: 2.354 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067522.D

Acq: 04 Nov 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

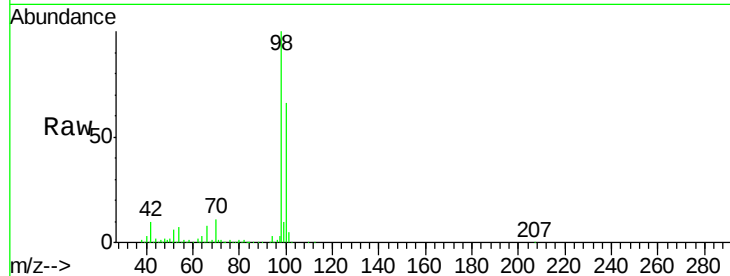
PAV-B8-110320-19-20

Tot Ion: 43 Resp: 2266

Ion Ratio Lower Upper

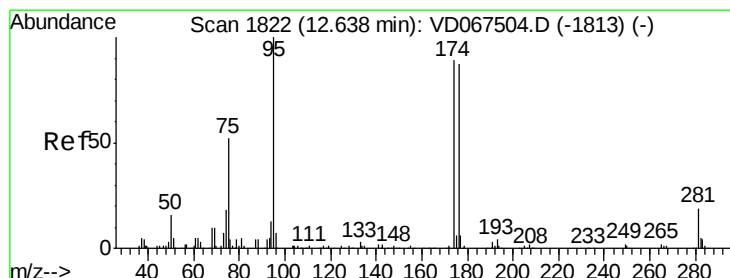
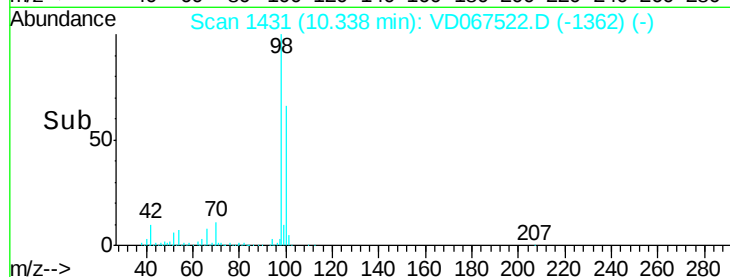
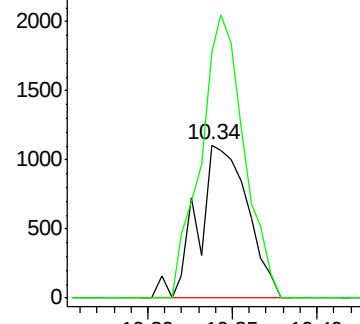
43 100

58 162.2 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: 62.595 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067522.D

Acq: 04 Nov 2020 16:05

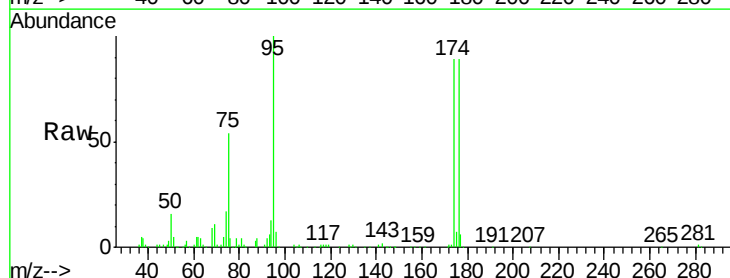
Tgt Ion: 95 Resp: 209513

Ion Ratio Lower Upper

95 100

174 89.5 0.0 177.8

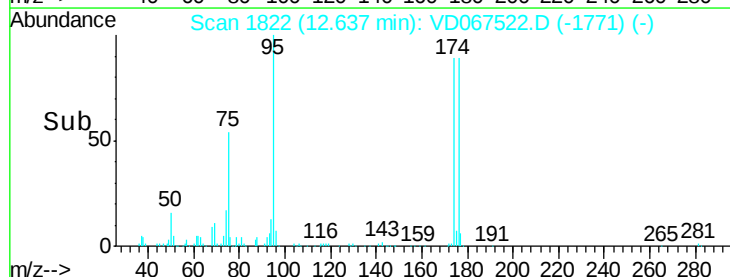
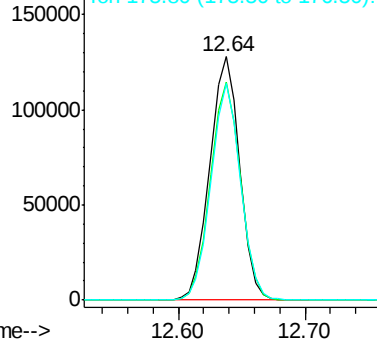
176 87.7 0.0 172.0

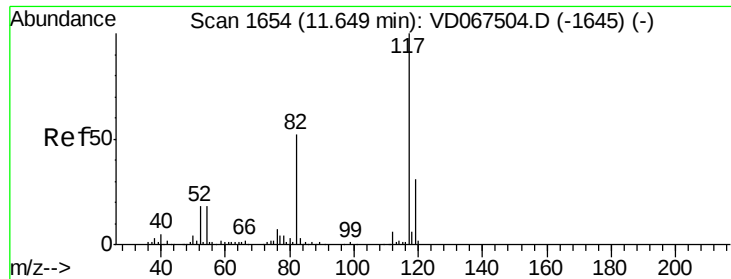


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

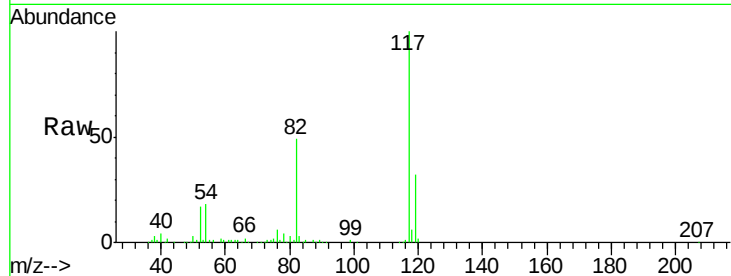




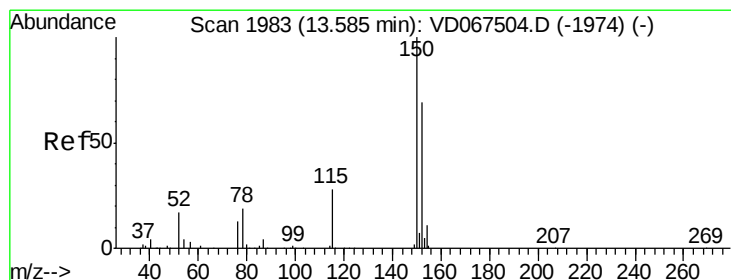
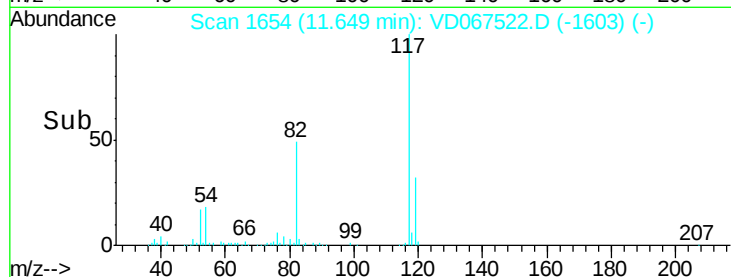
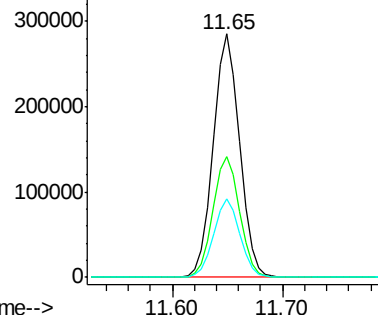
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
PAV-B8-110320-19-20

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.6	62.4
119	32.2	25.1	37.7

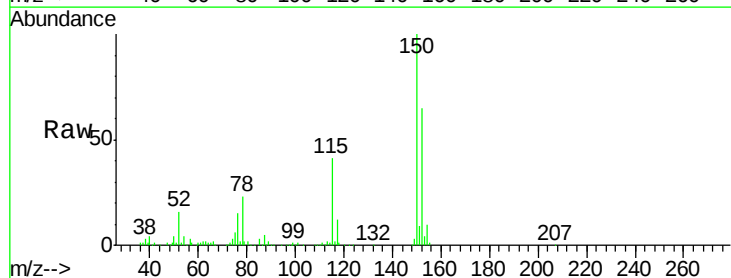


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

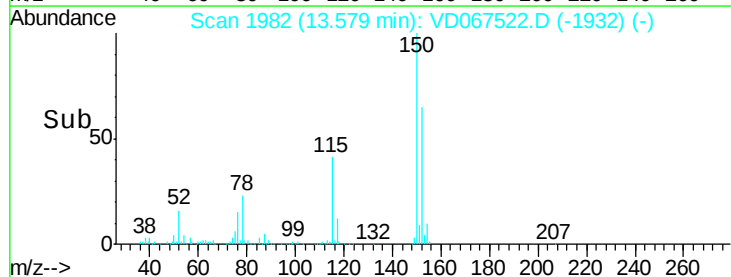
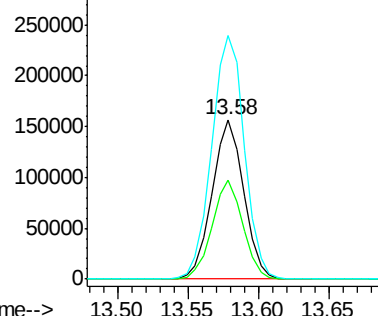


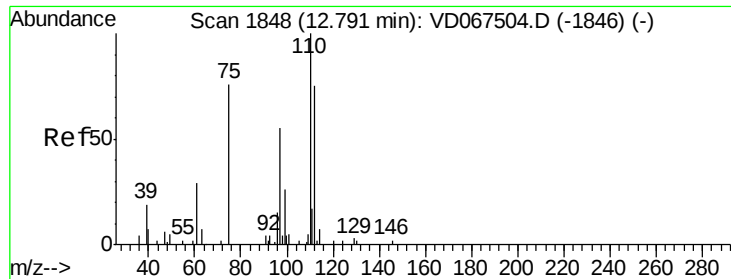
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067522.D
Acq: 04 Nov 2020 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.3	88.0
150	157.8	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

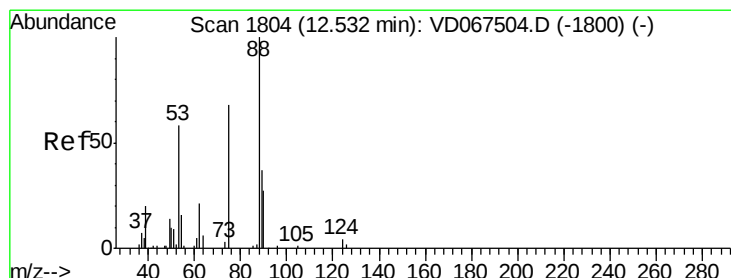
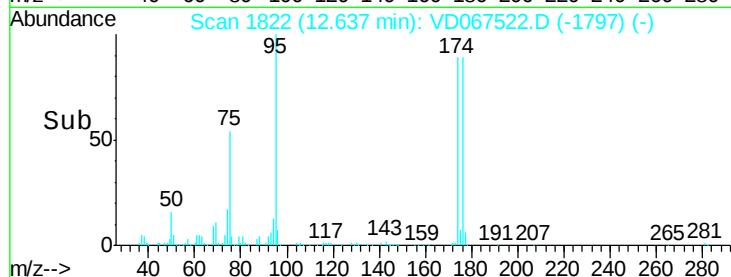
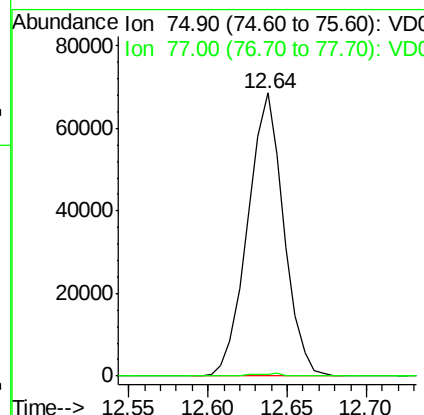
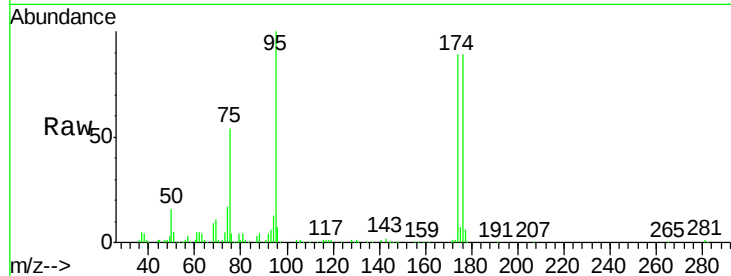




#76
 1,2,3-Trichloropropane
 Concen: 72.987 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B8-110320-19-20

Tot Ion: 75 Resp: 108023
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.182 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067522.D
 Acq: 04 Nov 2020 16:05

Tgt Ion: 75 Resp: 108023
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.9 113.9#
 89 0.0 44.6 67.0#

