

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067126.D
 Acq On : 07 Oct 2020 00:56
 Operator : VA/SY
 Sample : L4260-09
 Misc : 6.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-0-1

Quant Time: Oct 07 02:08:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

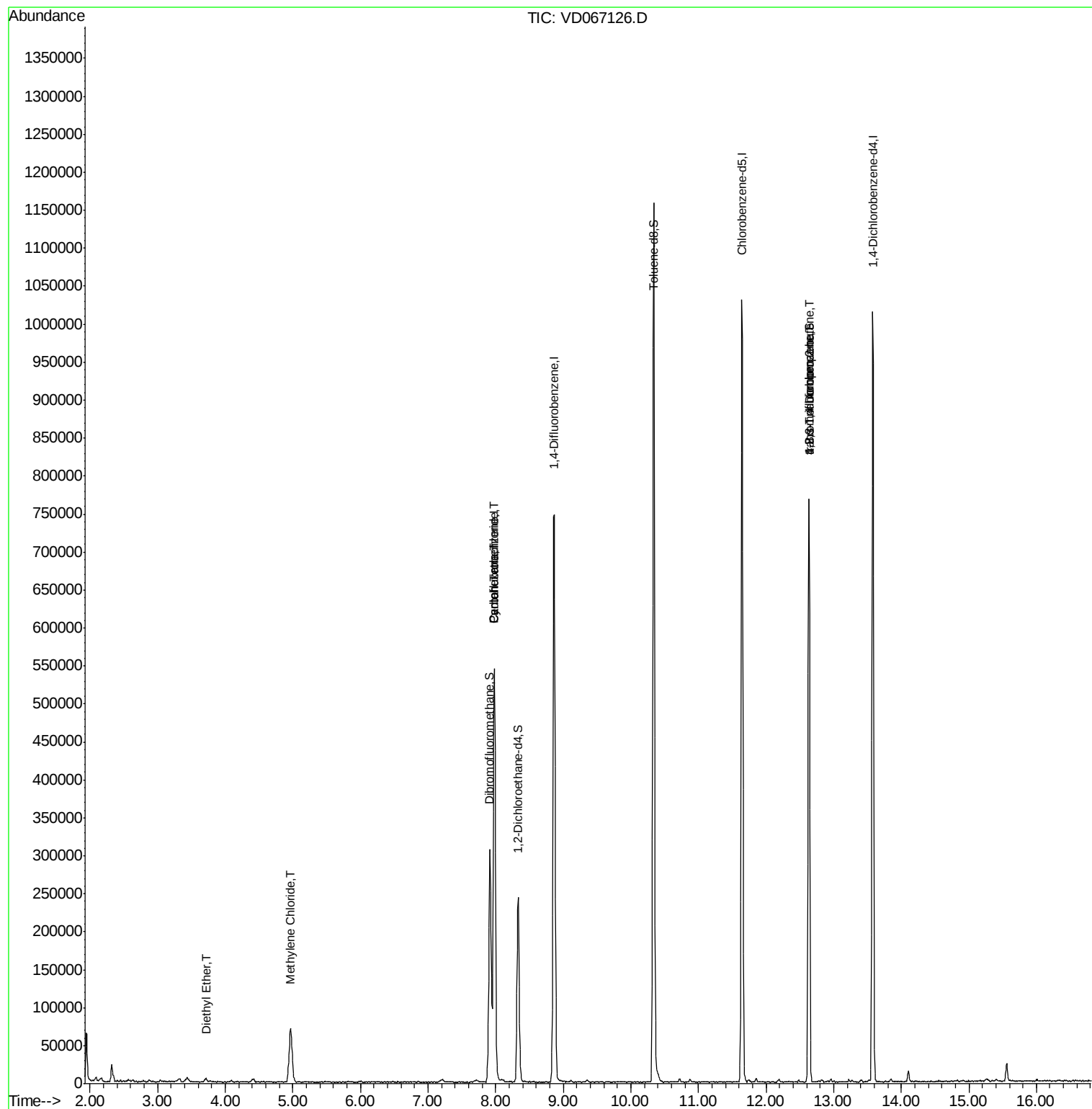
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	413584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	691300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	630791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280840	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	202268	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
35) Dibromofluoromethane	7.91	113	219570	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
50) Toluene-d8	10.34	98	796525	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.64	95	262557	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	827	Below Cal		89
5) Bromomethane	2.78	94	415	Below Cal	#	37
8) Diethyl Ether	3.71	74	2366	1.300	ug/l	97
11) Tert butyl alcohol	5.21	59	652	Below Cal	#	72
20) Methylene Chloride	4.97	84	59964	7.748	ug/l	88
26) 2,2-Dichloropropane	7.20	77	820	Below Cal	#	67
31) Cyclohexane	7.98	56	8672	1.450	ug/l #	14
38) Carbon Tetrachloride	7.98	117	41743	5.987	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	130047	53.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	130047	132.541	ug/l #	12

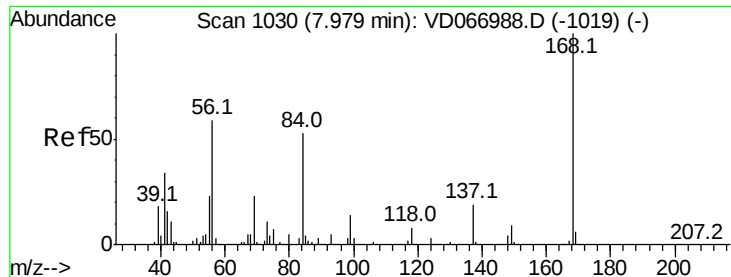
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

Instrument :

MSVOA_D

ClientSampleId :

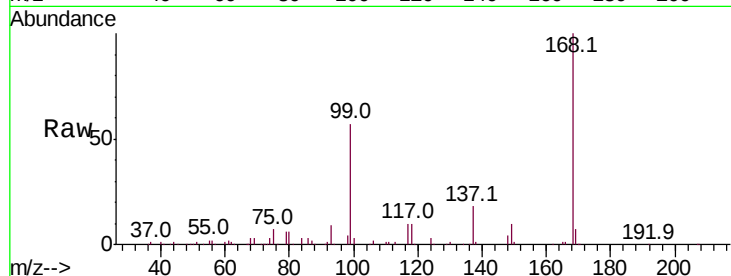
PAV-B23-100220-0-1

Tot Ion:168 Resp: 413584

Ion Ratio Lower Upper

168 100

99 57.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

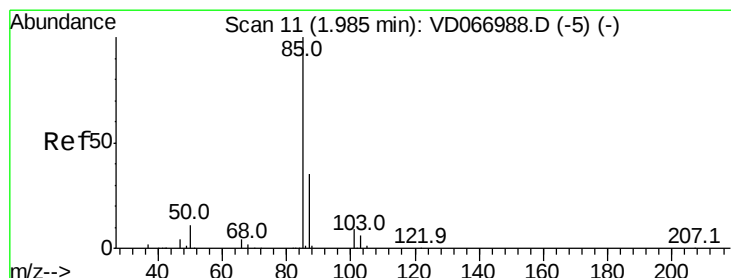
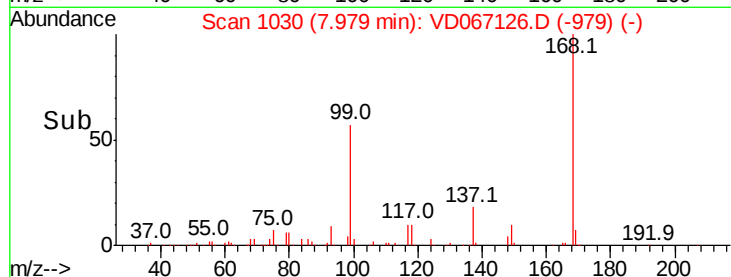
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067126.D

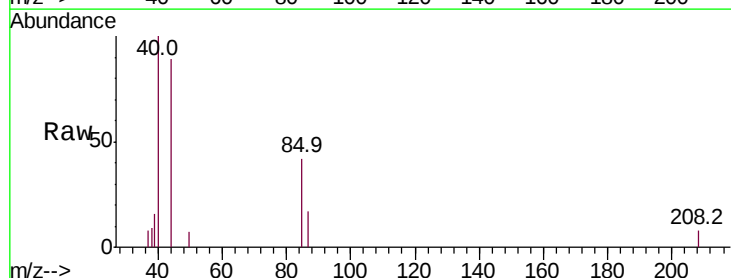
Acq: 07 Oct 2020 00:56

Tgt Ion: 85 Resp: 827

Ion Ratio Lower Upper

85 100

87 41.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

600

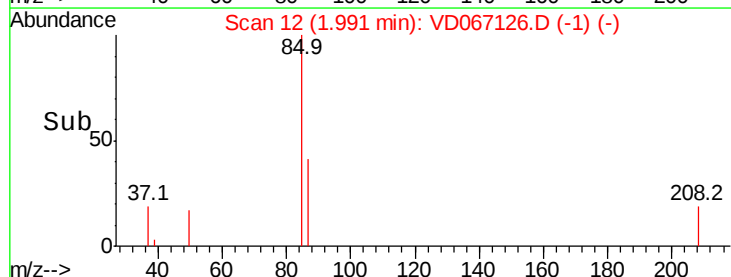
400

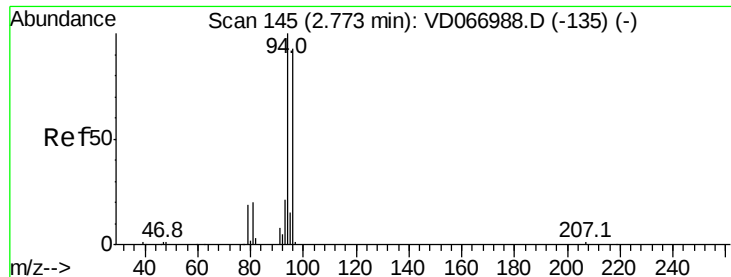
200

0

1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

Instrument :

MSVOA_D

ClientSampleId :

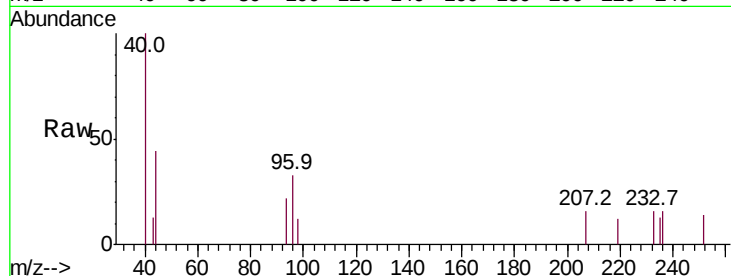
PAV-B23-100220-0-1

Tot Ion: 94 Resp: 415

Ion Ratio Lower Upper

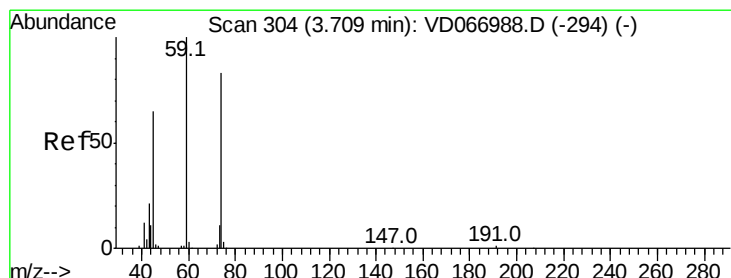
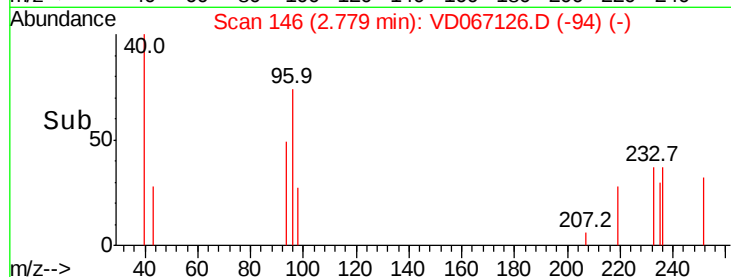
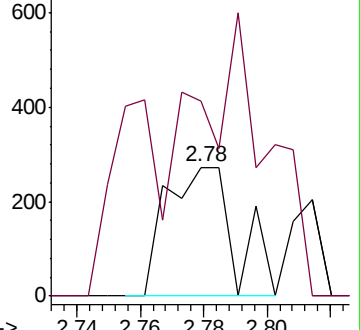
94 100

96 33.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.300 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067126.D

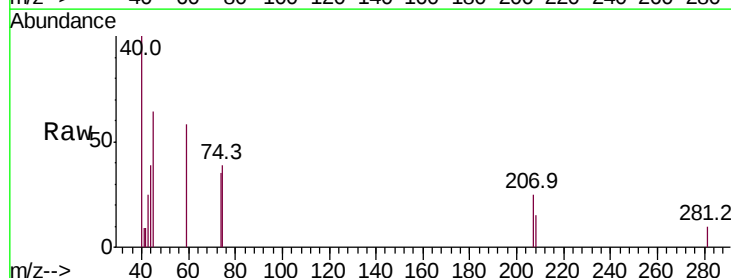
Acq: 07 Oct 2020 00:56

Tgt Ion: 74 Resp: 2366

Ion Ratio Lower Upper

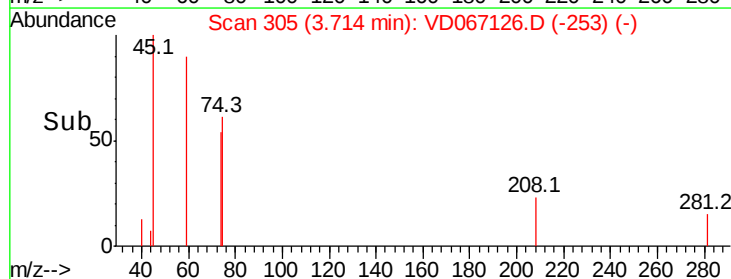
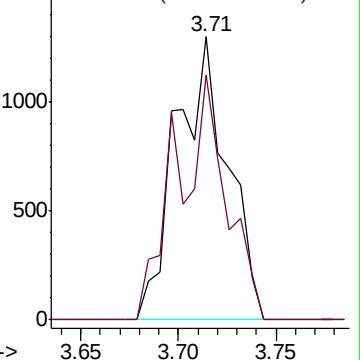
74 100

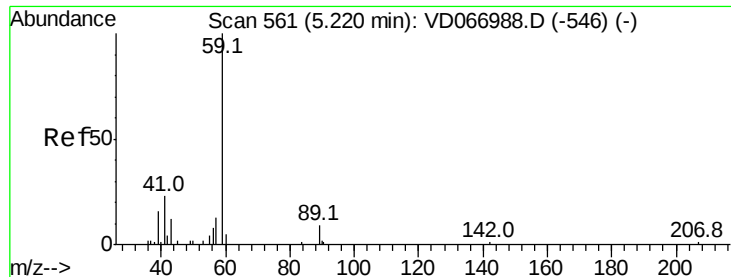
45 83.5 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



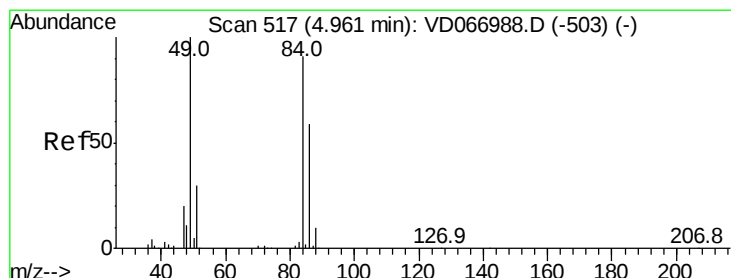
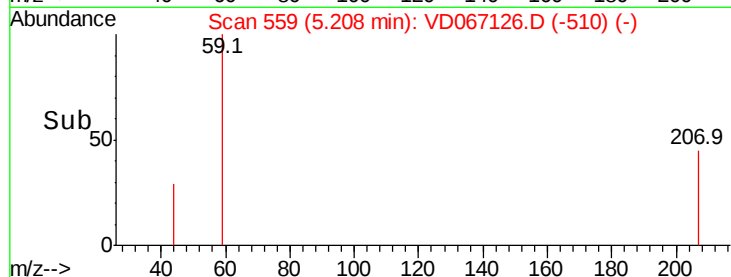
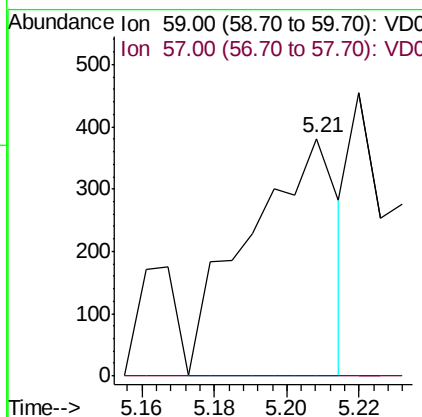
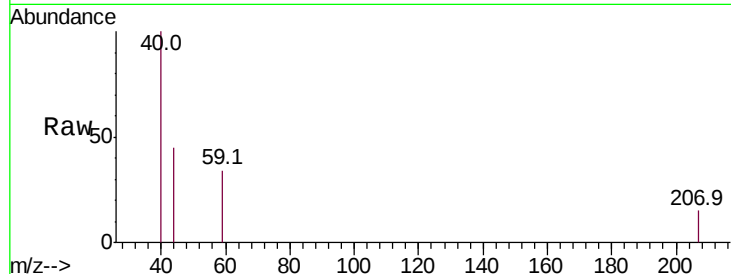


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067126.D
 Acq: 07 Oct 2020 00:56

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-0-1

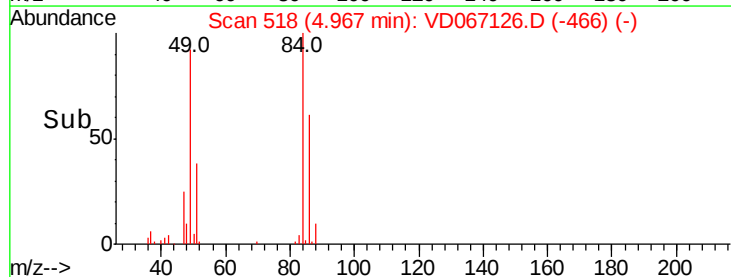
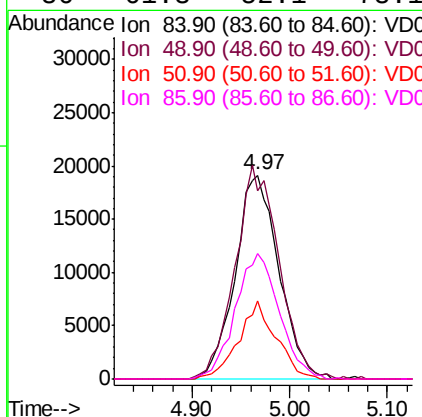
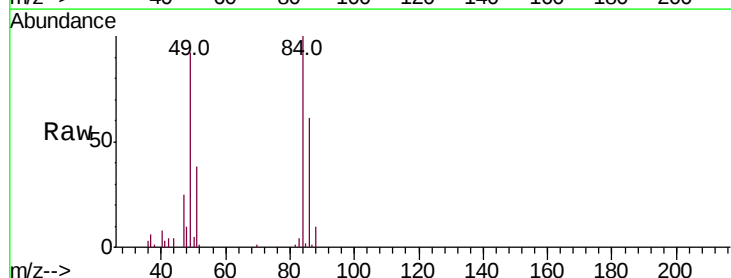
Tot Ion: 59 Resp: 652
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

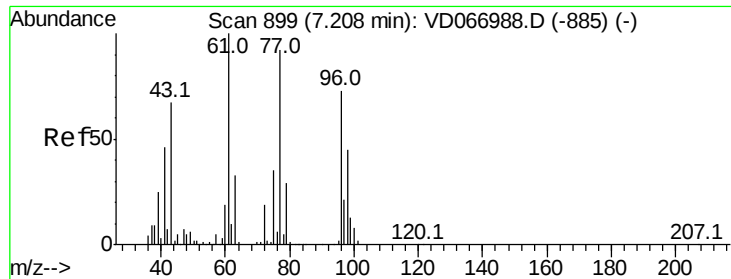


#20

Methylene Chloride
 Concen: 7.748 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067126.D
 Acq: 07 Oct 2020 00:56

Tgt Ion: 84 Resp: 59964
 Ion Ratio Lower Upper
 84 100
 49 92.3 88.2 132.2
 51 38.1 26.6 39.8
 86 61.3 52.1 78.1

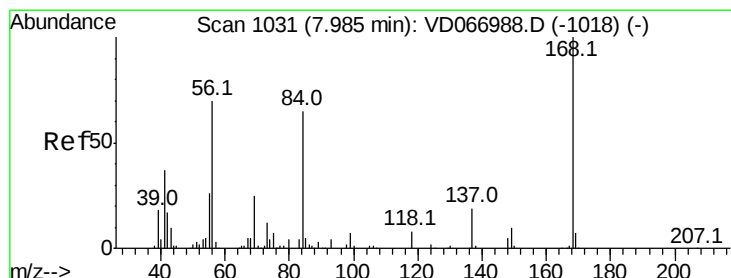
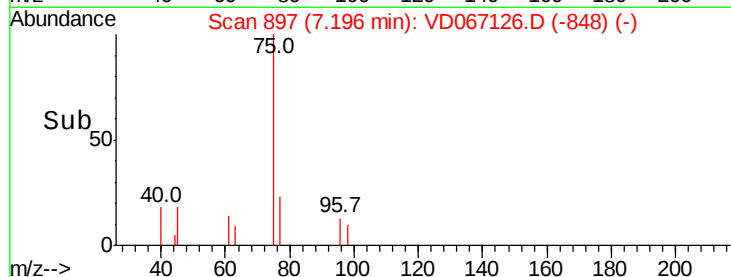
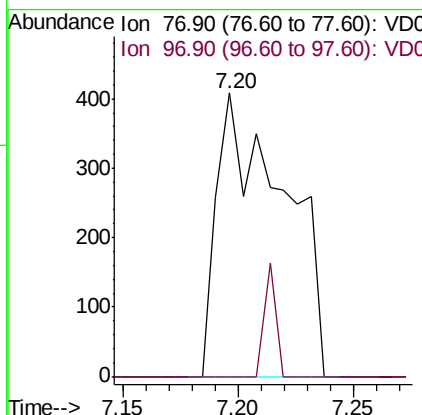
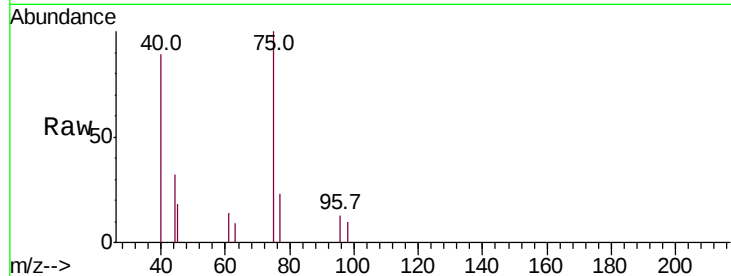




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067126.D
Acq: 07 Oct 2020 00:56

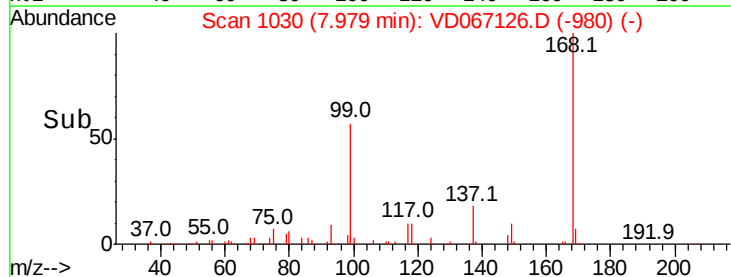
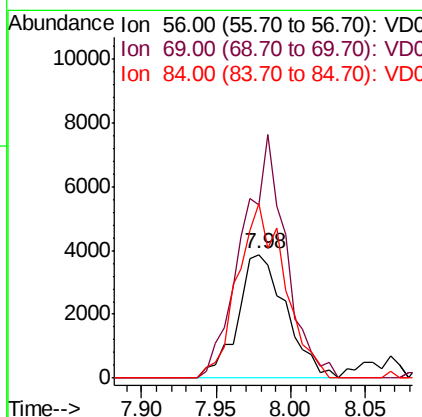
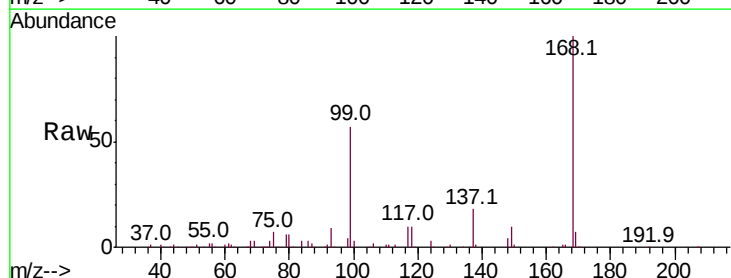
Instrument :
MSVOA_D
ClientSampleId :
PAV-B23-100220-0-1

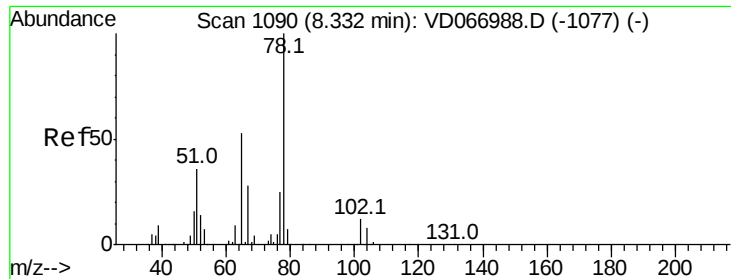
Tot Ion: 77 Resp: 820
Ion Ratio Lower Upper
77 100
97 7.1 11.4 34.2#



#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067126.D
Acq: 07 Oct 2020 00:56

Tgt Ion: 56 Resp: 8672
Ion Ratio Lower Upper
56 100
69 139.8 29.0 43.6#
84 141.2 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 50.775 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

Instrument :

MSVOA_D

ClientSampleId :

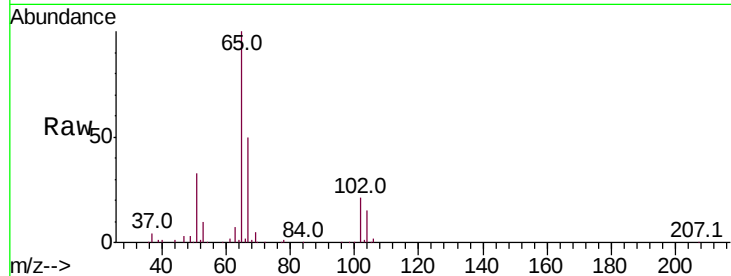
PAV-B23-100220-0-1

Tot Ion: 65 Resp: 202268

Ion Ratio Lower Upper

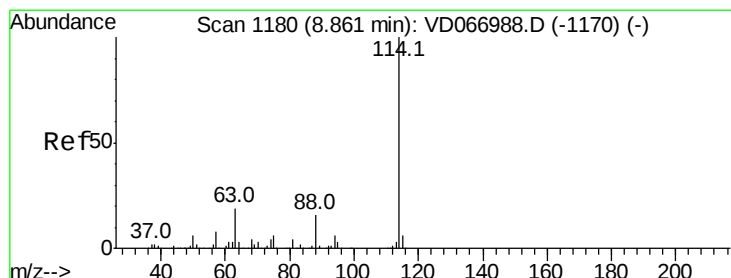
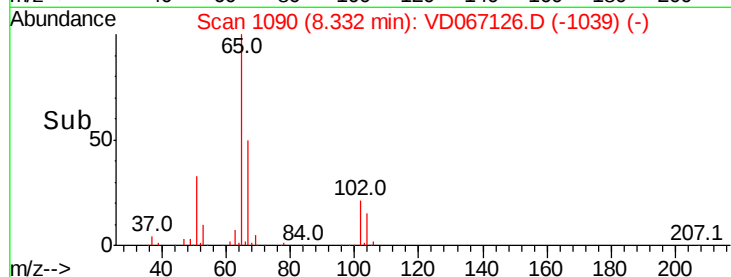
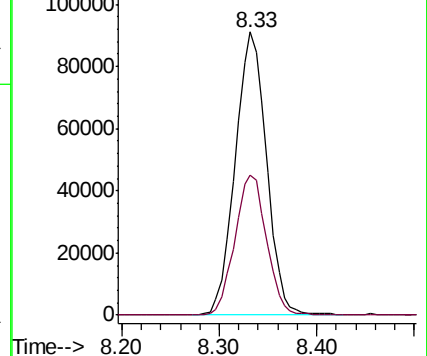
65 100

67 50.1 0.0 106.8



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: VD067126.D

Acq: 07 Oct 2020 00:56

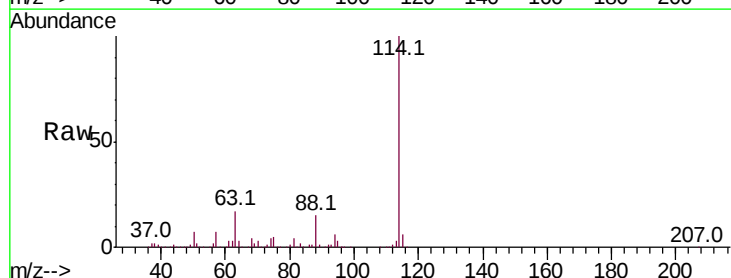
Tgt Ion: 114 Resp: 691300

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

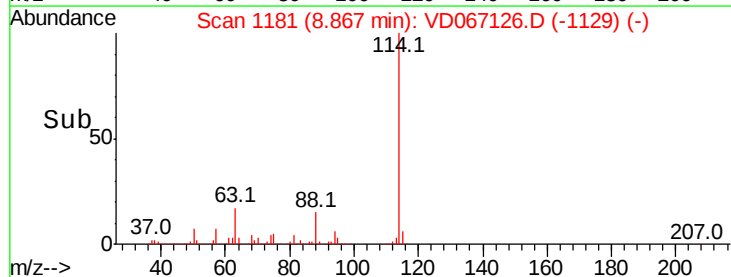
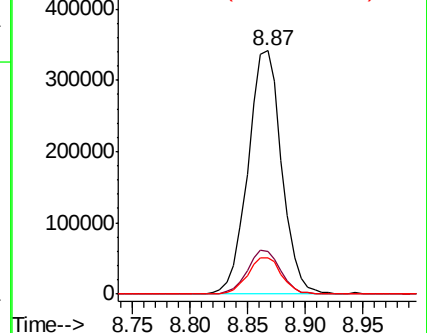
88 15.0 0.0 31.2

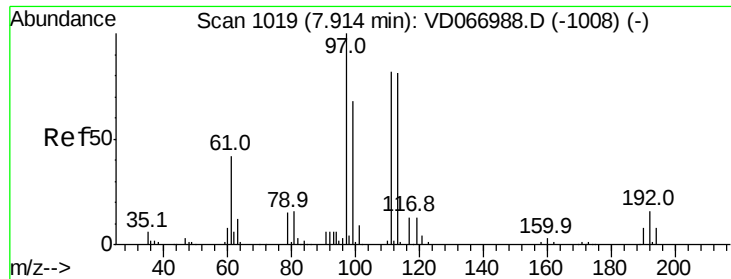


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

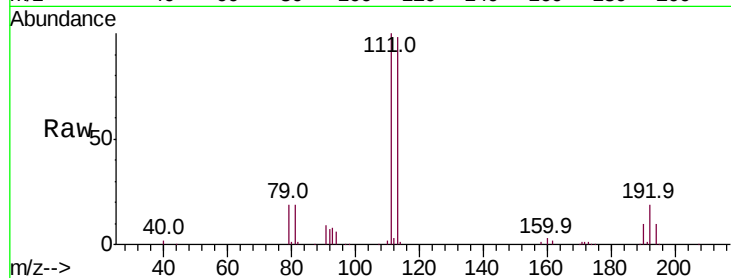




#35
 Dibromofluoromethane
 Concen: 48.515 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067126.D
 Acq: 07 Oct 2020 00:56

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-0-1

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.0	124.4
192	20.0	15.5	23.3

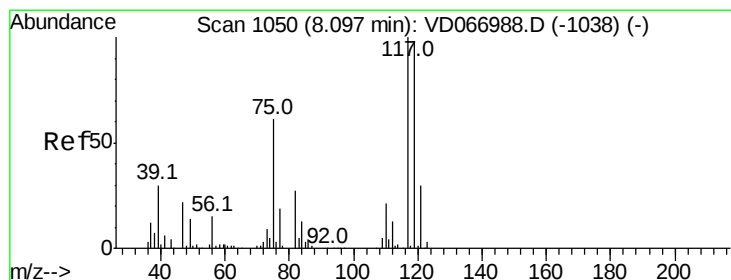
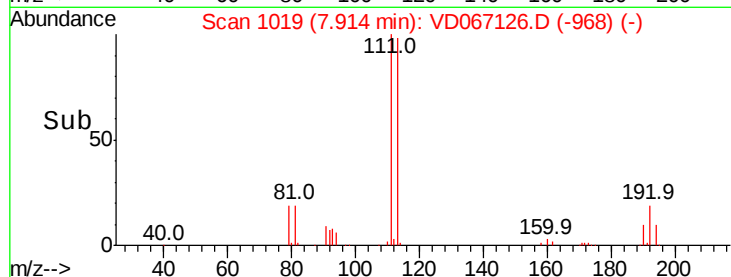
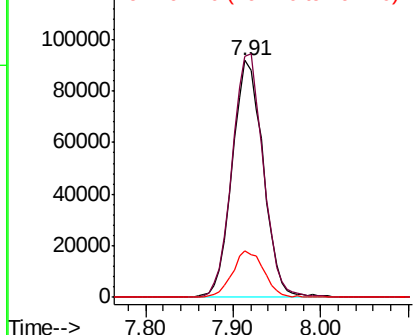


Abundance

Ion 112.80 (112.50 to 113.50): V

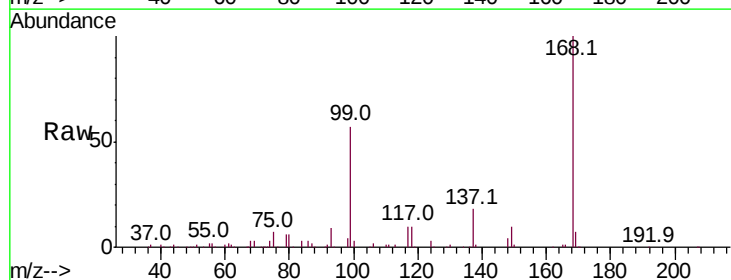
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
 Carbon Tetrachloride
 Concen: 5.987 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067126.D
 Acq: 07 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.7	118.1#
121	0.0	24.2	36.2#

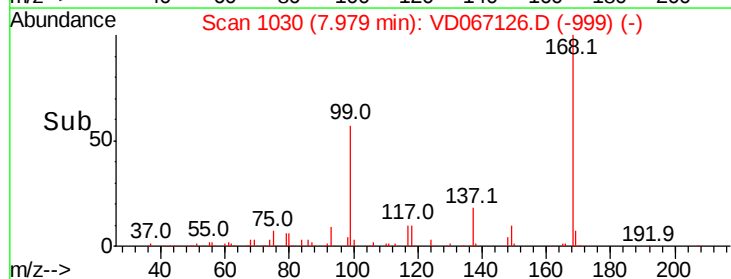
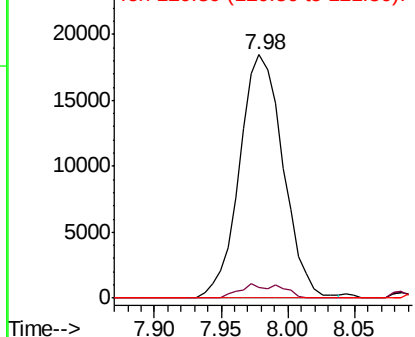


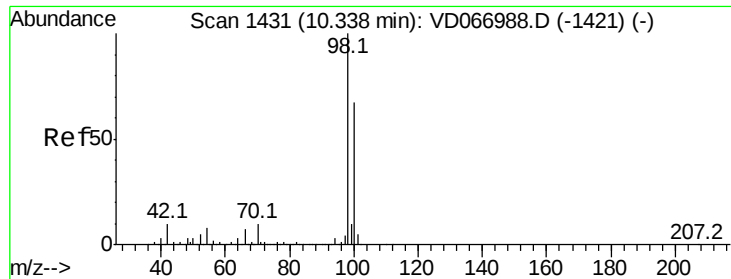
Abundance

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: 48.299 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

Instrument :

MSVOA_D

ClientSampleId :

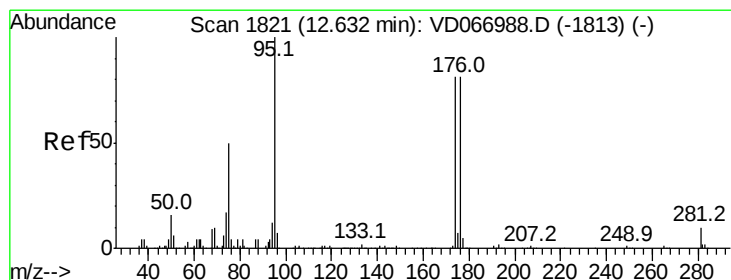
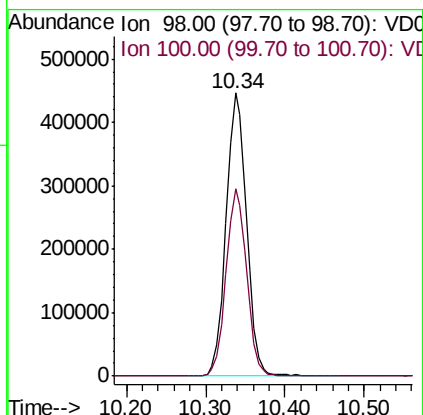
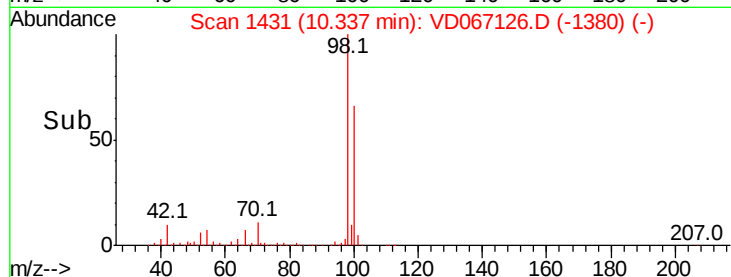
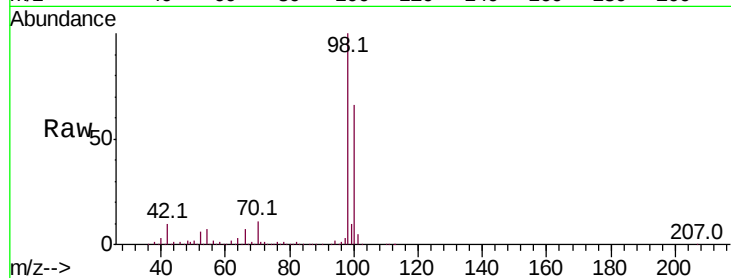
PAV-B23-100220-0-1

Tot Ion: 98 Resp: 796525

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 46.898 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

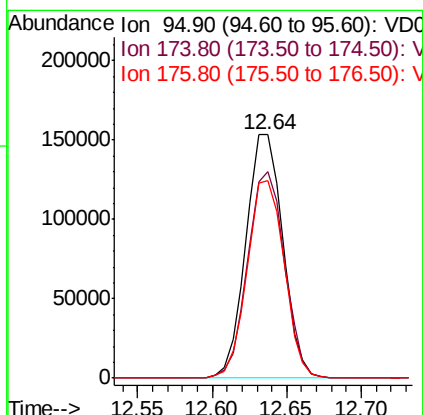
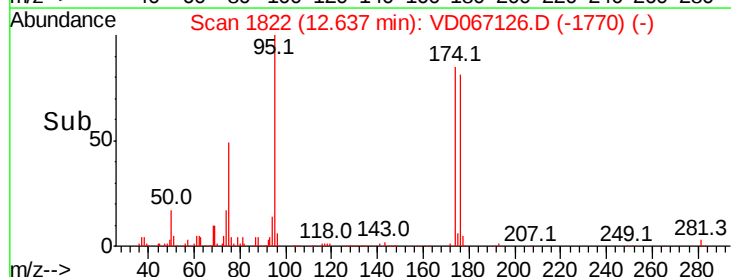
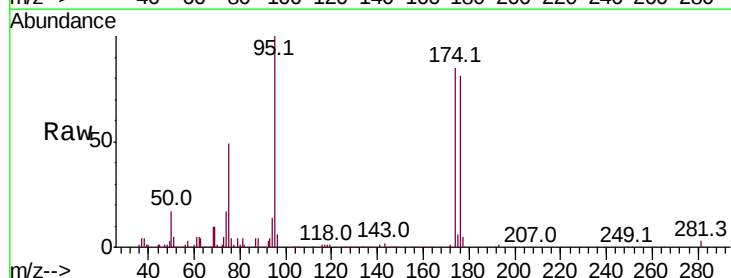
Tgt Ion: 95 Resp: 262557

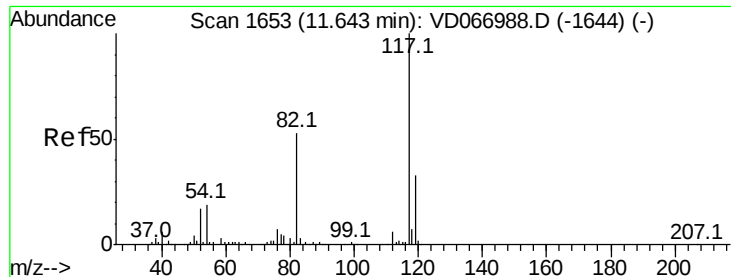
Ion Ratio Lower Upper

95 100

174 84.5 0.0 167.6

176 81.2 0.0 162.4

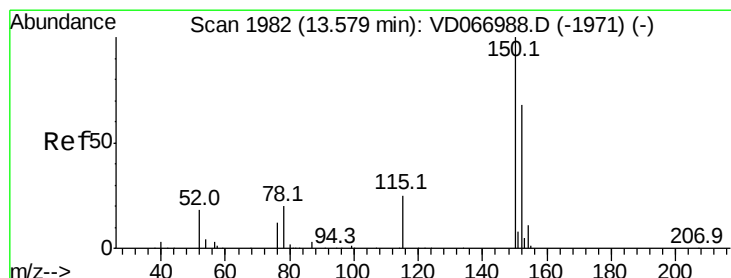
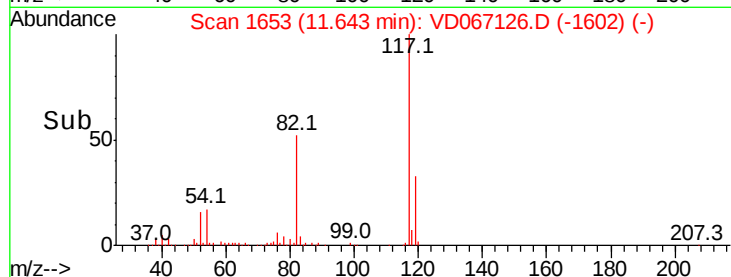
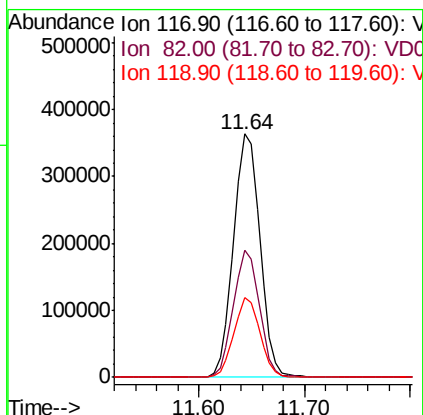
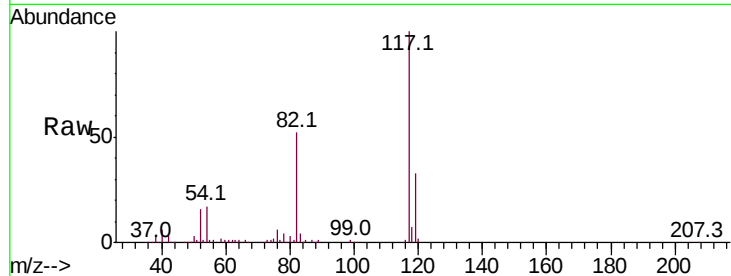




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067126.D
Acq: 07 Oct 2020 00:56

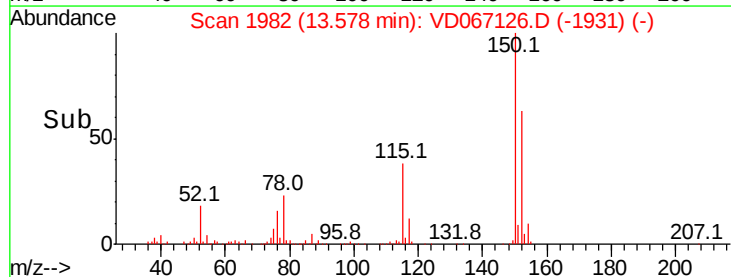
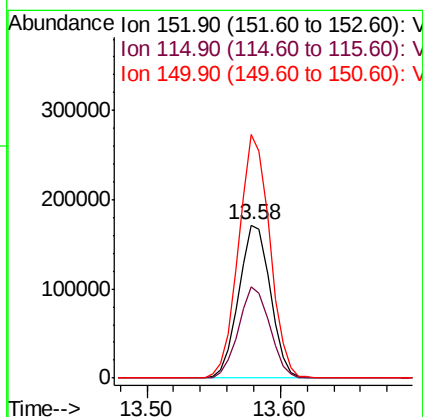
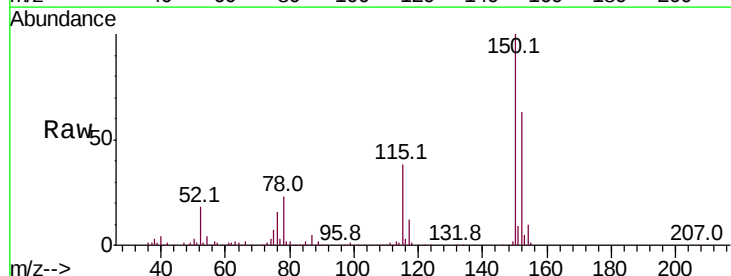
Instrument :
MSVOA_D
ClientSampleId :
PAV-B23-100220-0-1

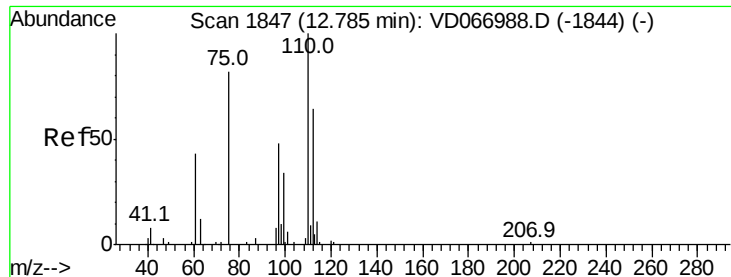
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.6	63.8
119	32.8	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067126.D
Acq: 07 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.6	88.8
150	156.9	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 53.163 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

Instrument :

MSVOA_D

ClientSampleId :

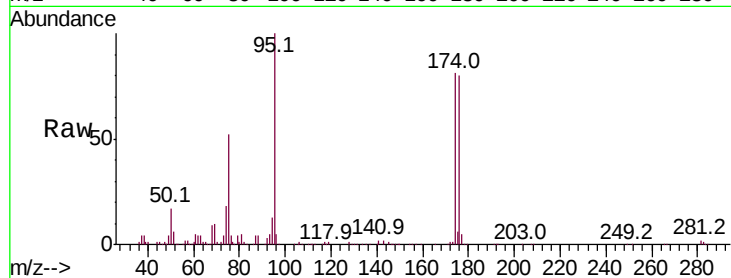
PAV-B23-100220-0-1

Tot Ion: 75 Resp: 130047

Ion Ratio Lower Upper

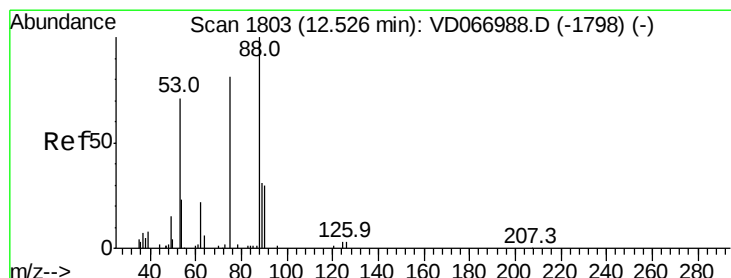
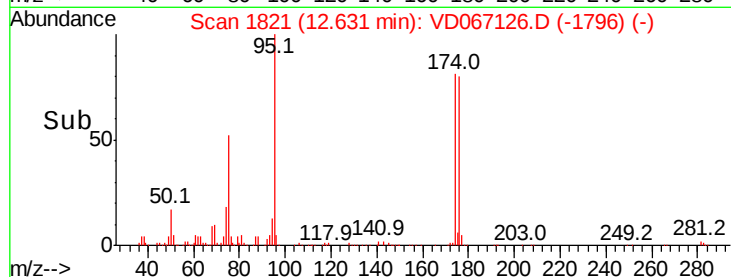
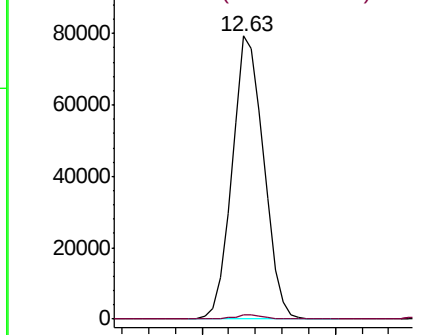
75 100

77 1.3 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: 132.541 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067126.D

Acq: 07 Oct 2020 00:56

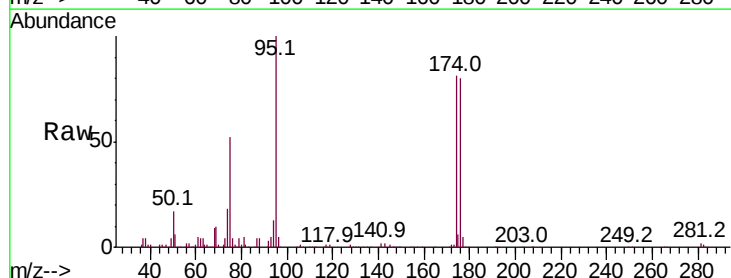
Tgt Ion: 75 Resp: 130047

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



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

