

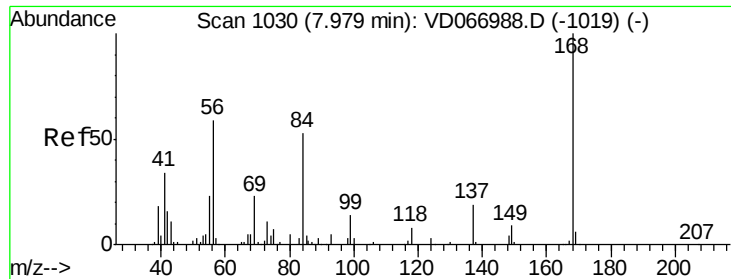
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067198.D
 Acq On : 08 Oct 2020 16:53
 Operator : VA/SY
 Sample : L4311-01
 Misc : 6.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-0-1

Quant Time: Oct 09 03:05:32 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	7.99	168	399786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	637135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	587027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	189564	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
35) Dibromofluoromethane	7.91	113	200408	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	10.34	98	754910	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.64	95	246962	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
Target Compounds						
5) Bromomethane	2.78	94	135	Below Cal	#	3
20) Methylene Chloride	4.97	84	20690	Below Cal	#	90
31) Cyclohexane	7.98	56	7574	1.310	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	29063	4.894	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39899	6.209	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2937	1.556	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127586	52.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127586	131.784	ug/l #	12
95) Naphthalene	15.41	128	35369	4.242	ug/l	98

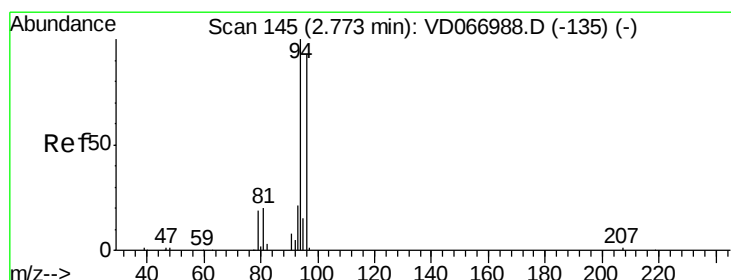
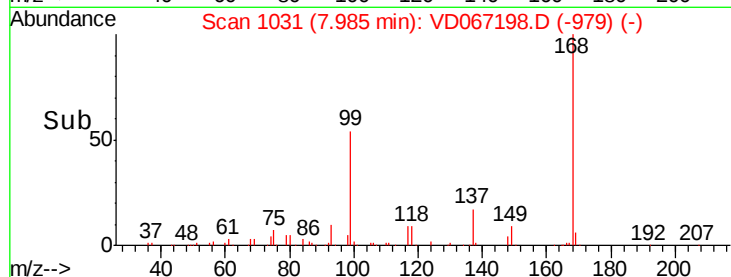
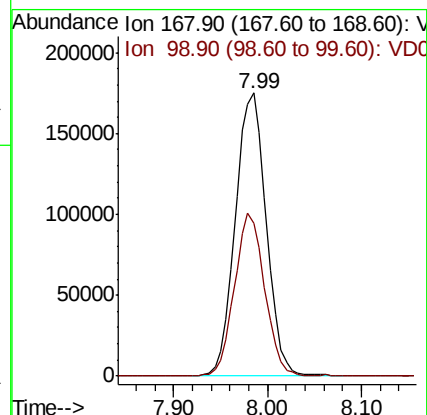
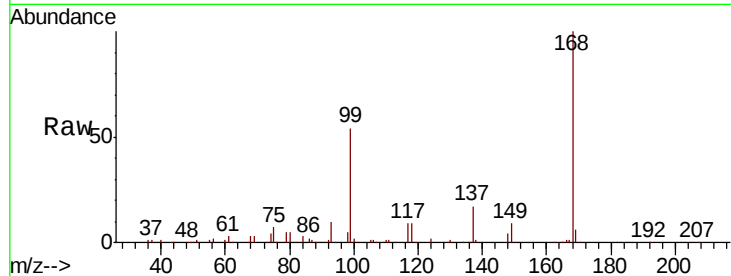
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

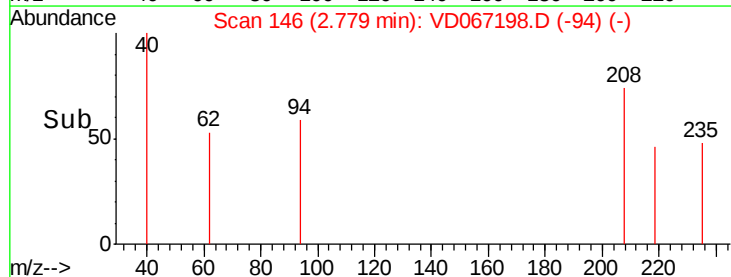
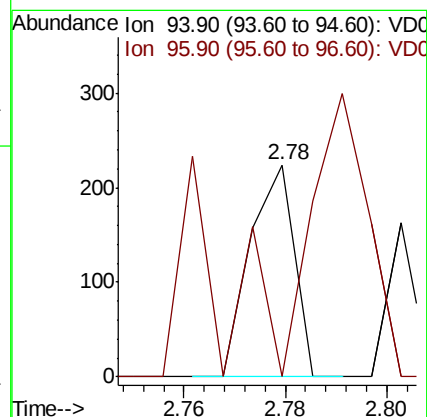
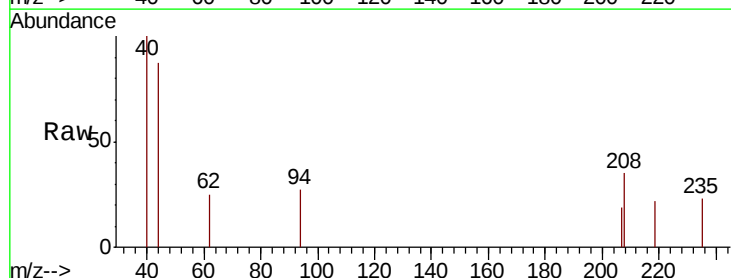
Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-0-1

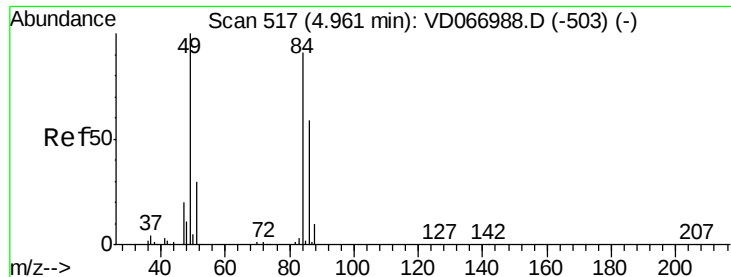
Tot Ion:168 Resp: 399786
Ion Ratio Lower Upper
168 100
99 53.9 44.1 66.1



#5
Bromomethane
Concen: Below Cal
RT: 2.78 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 74.6 112.0#

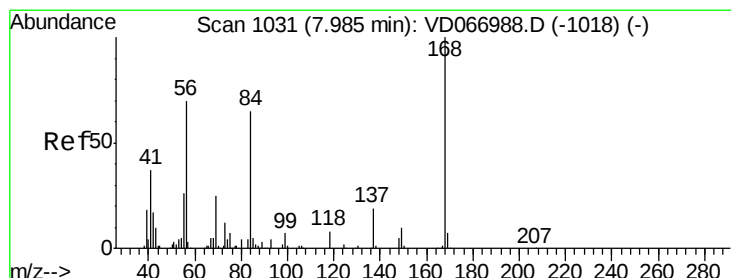
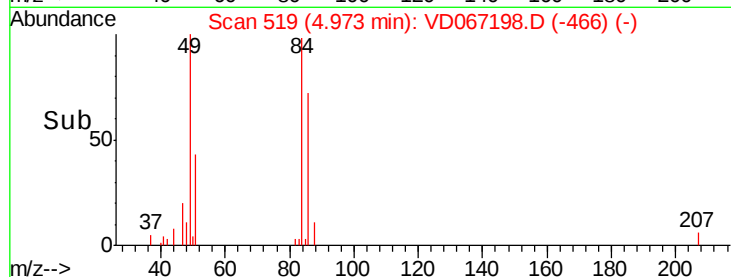
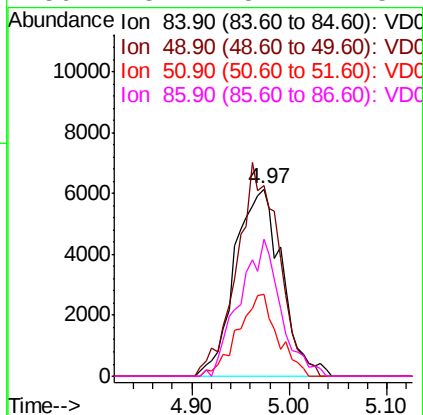
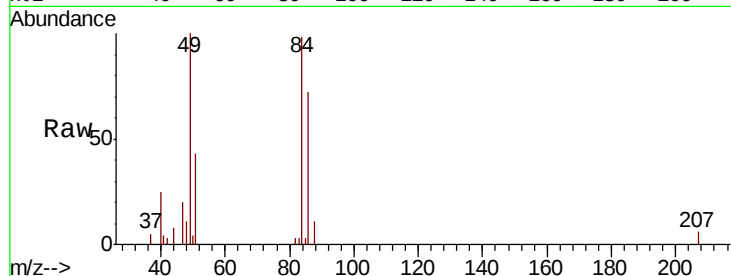




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

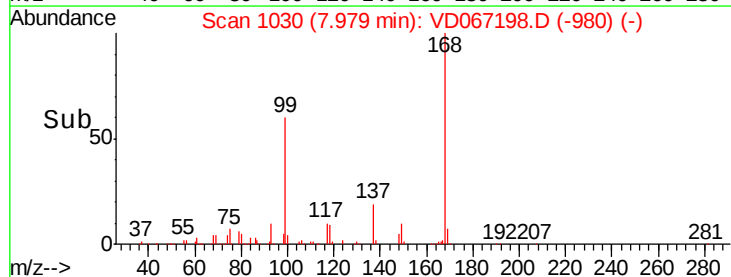
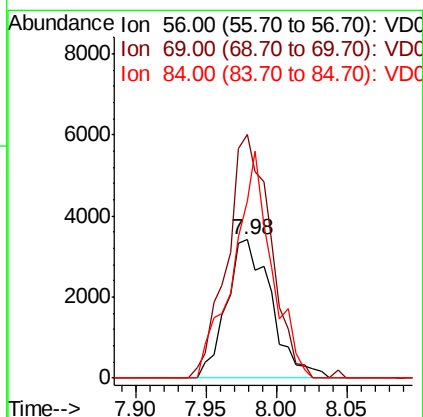
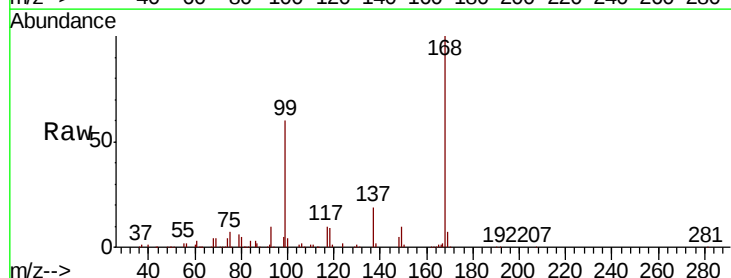
Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-0-1

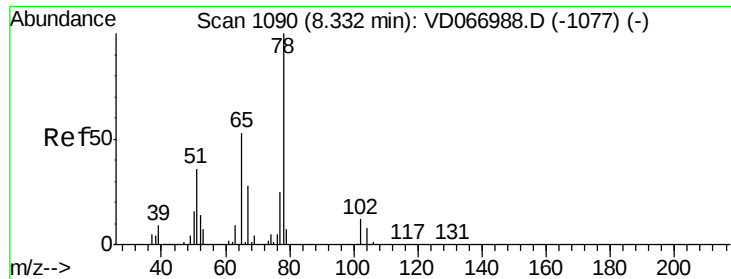
Tot Ion: 84 Resp: 20690
Ion Ratio Lower Upper
84 100
49 101.8 88.2 132.2
51 44.1 26.6 39.8#
86 73.1 52.1 78.1



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

Tgt Ion: 56 Resp: 7574
Ion Ratio Lower Upper
56 100
69 176.3 29.0 43.6#
84 128.7 74.2 111.2#

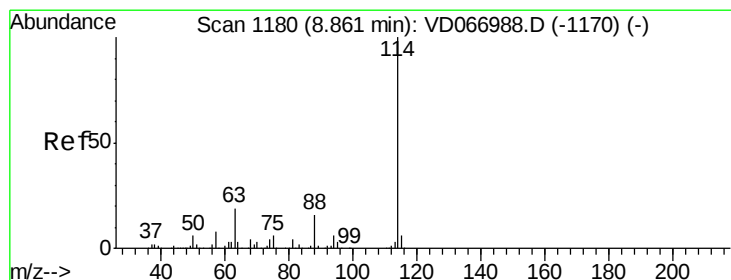
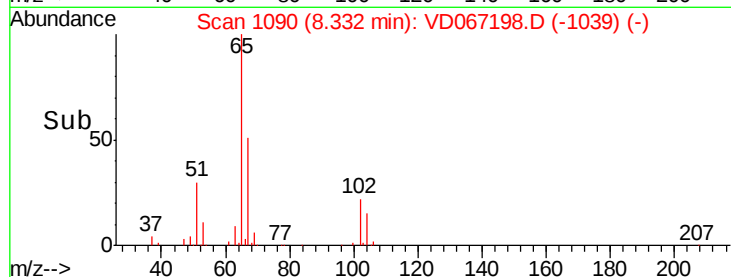
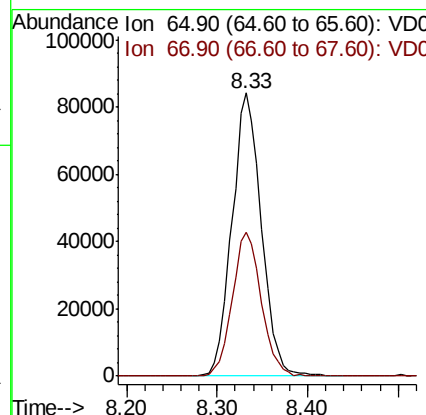
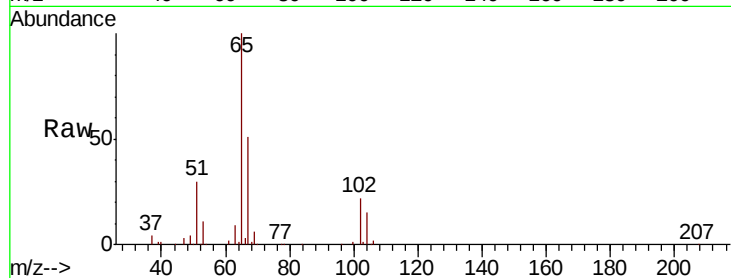




#33
 1,2-Dichloroethane-d4
 Concen: 49.228 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067198.D
 Acq: 08 Oct 2020 16:53

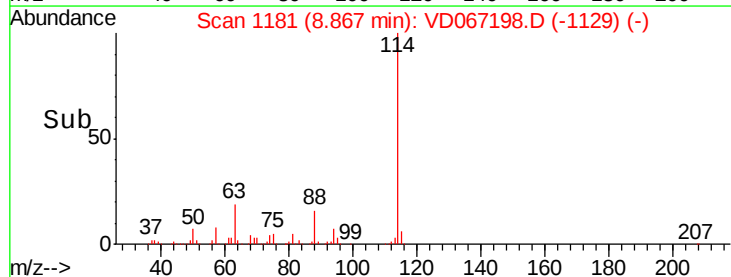
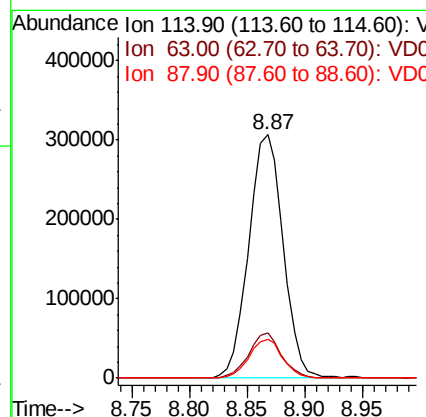
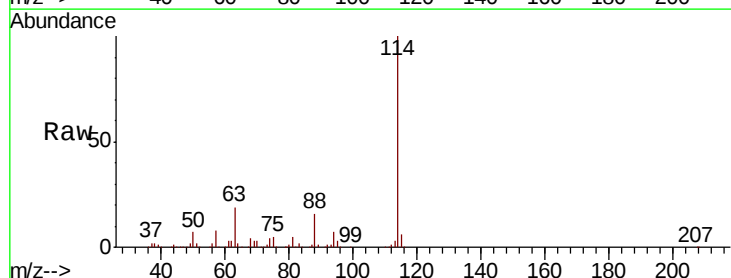
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-0-1

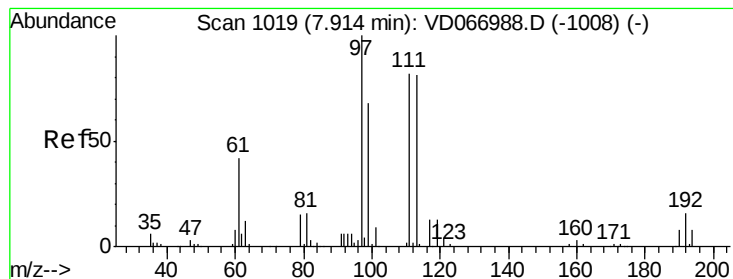
Tot Ion: 65 Resp: 189564
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067198.D
 Acq: 08 Oct 2020 16:53

Tgt Ion: 114 Resp: 637135
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.046 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

PAV-B10-100720-0-1

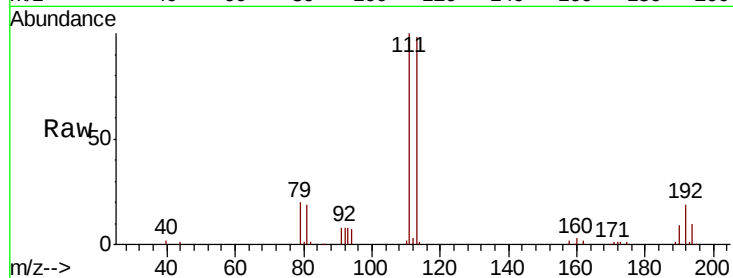
Tot Ion:113 Resp: 200408

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

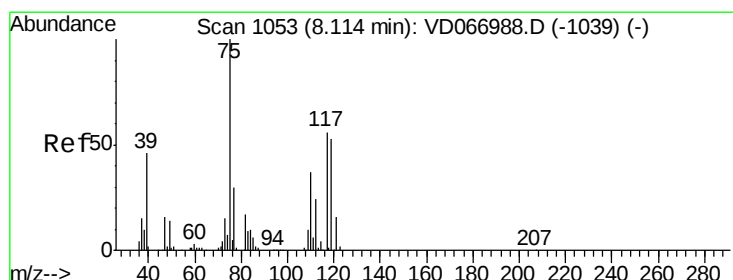
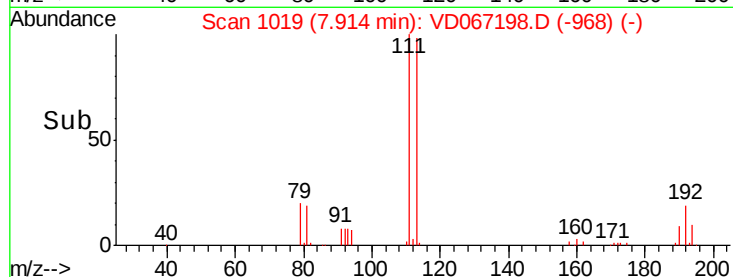
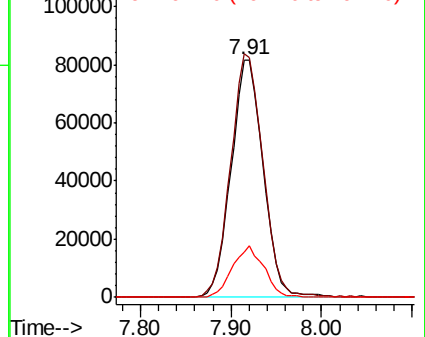
192 21.2 15.5 23.3



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



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

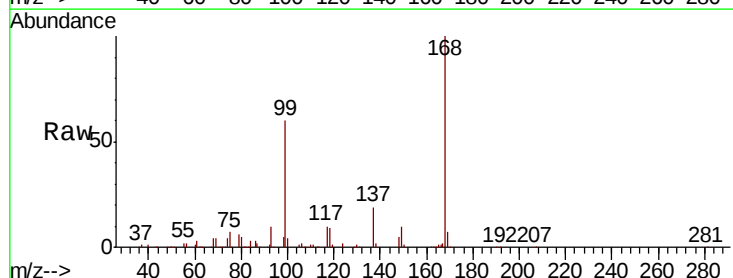
Tgt Ion: 75 Resp: 29063

Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.0#

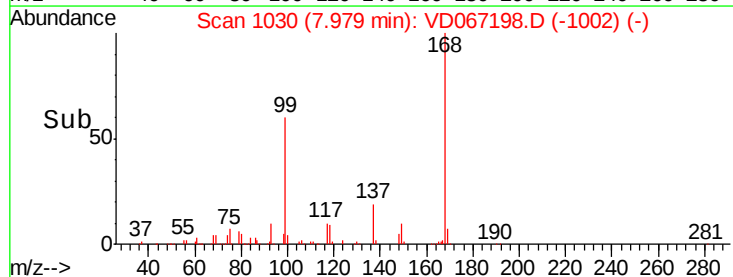
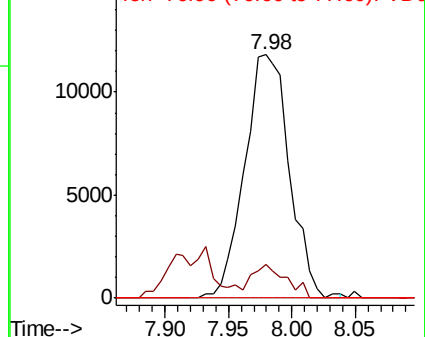
77 0.0 24.8 37.2#

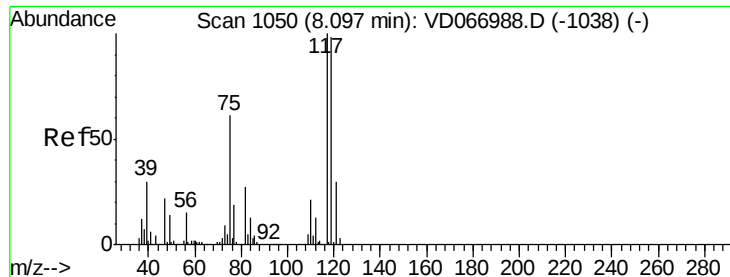


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

PAV-B10-100720-0-1

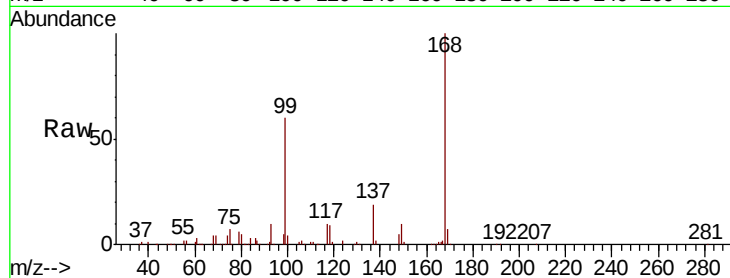
Tot Ion:117 Resp: 39899

Ion Ratio Lower Upper

117 100

119 5.9 78.7 118.1#

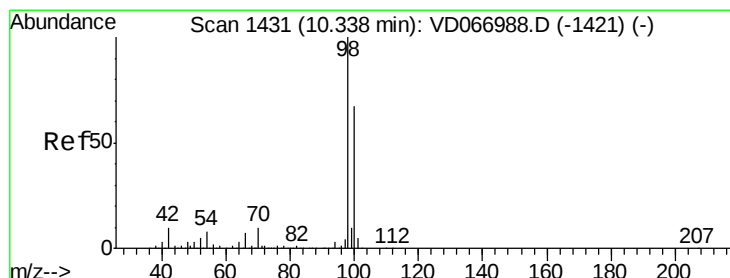
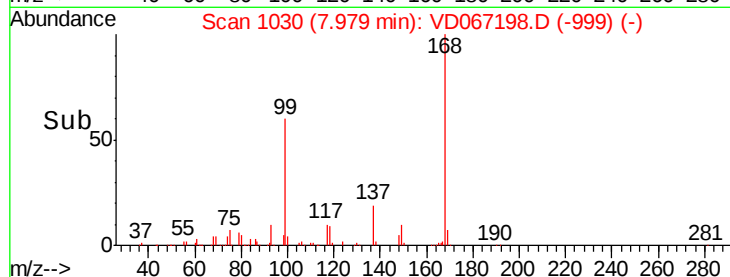
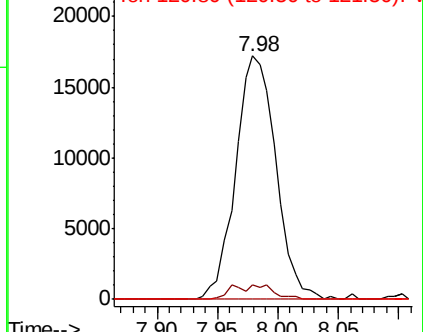
121 0.0 24.2 36.2#



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: 49.667 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067198.D

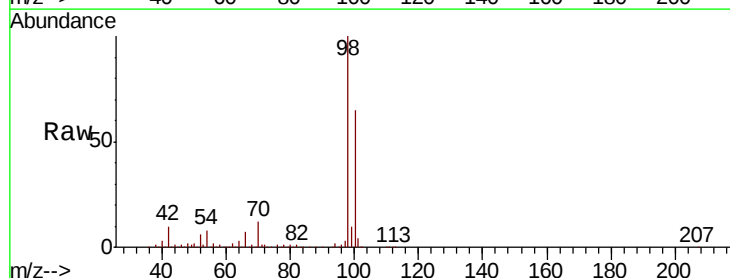
Acq: 08 Oct 2020 16:53

Tgt Ion: 98 Resp: 754910

Ion Ratio Lower Upper

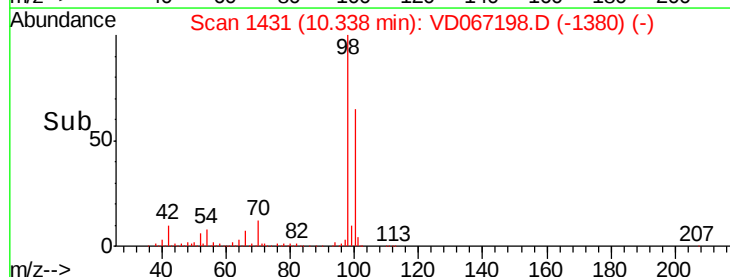
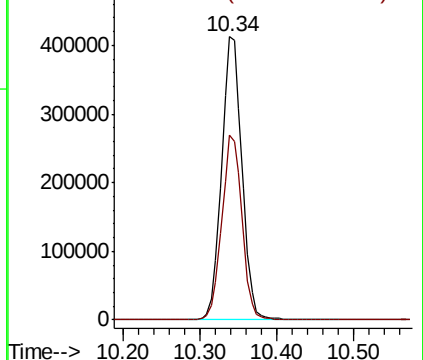
98 100

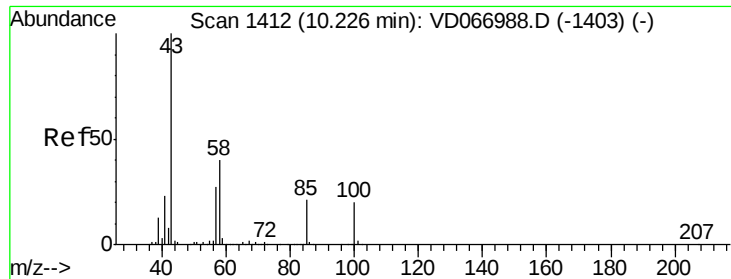
100 64.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.556 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

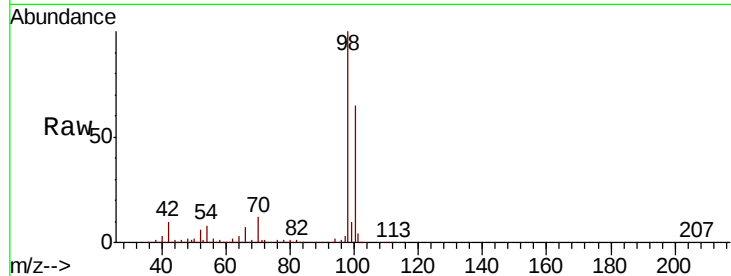
PAV-B10-100720-0-1

Tot Ion: 43 Resp: 2937

Ion Ratio Lower Upper

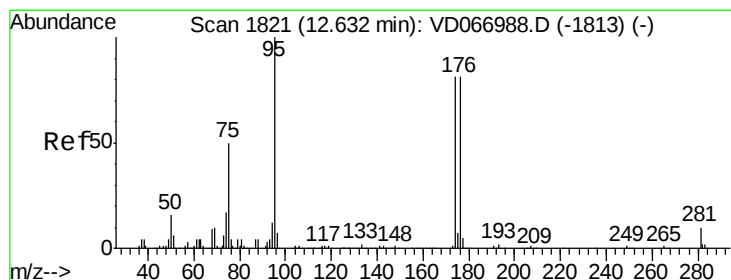
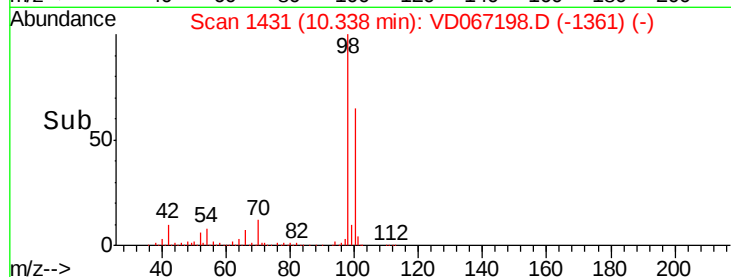
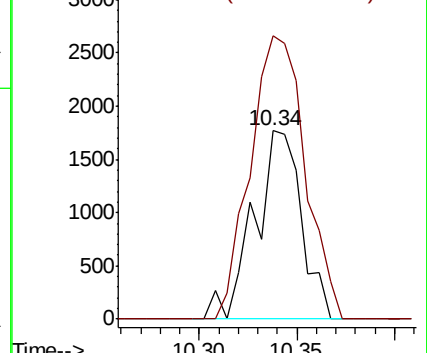
43 100

58 175.7 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.862 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

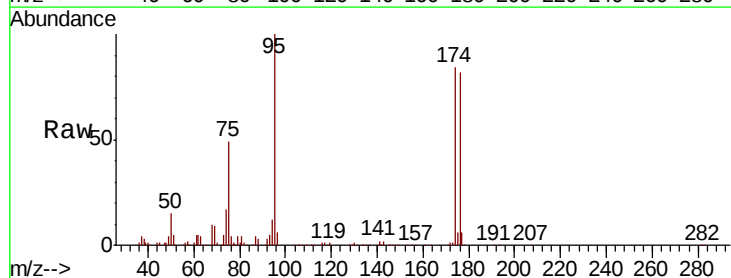
Tgt Ion: 95 Resp: 246962

Ion Ratio Lower Upper

95 100

174 87.5 0.0 167.6

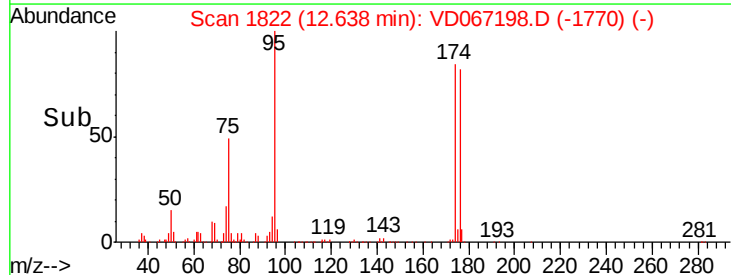
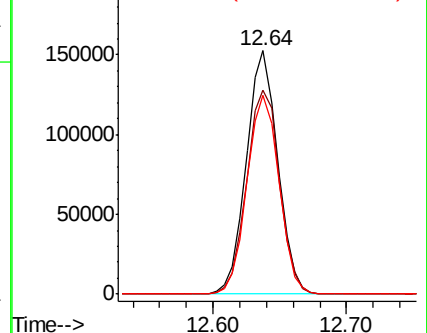
176 83.4 0.0 162.4

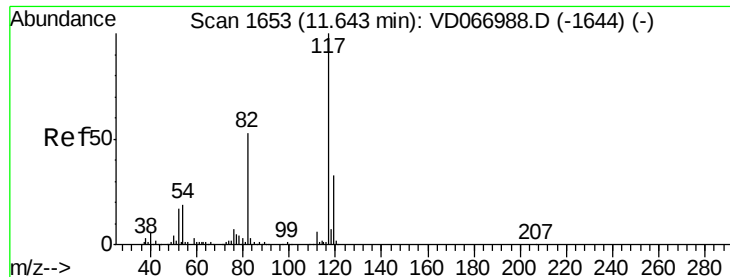


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

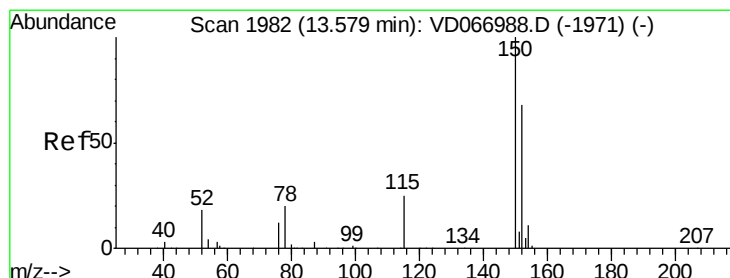
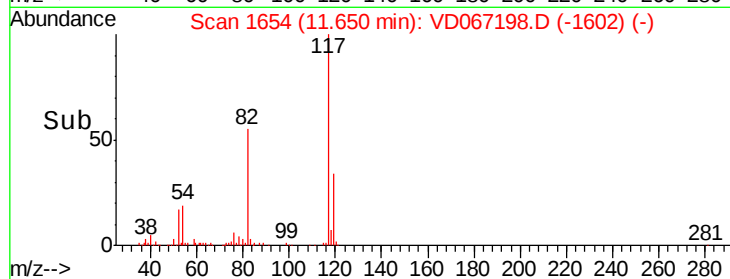
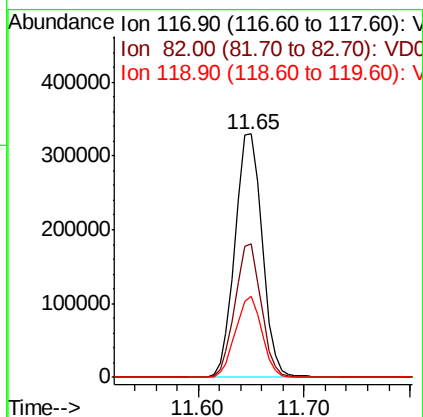
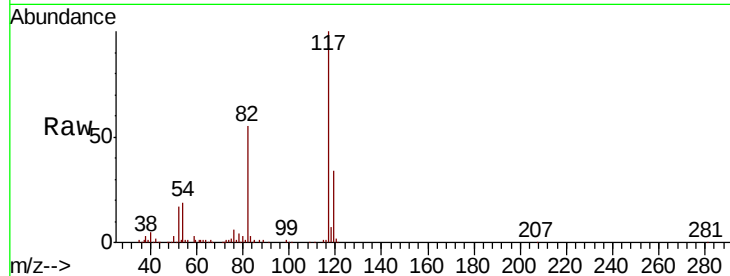




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

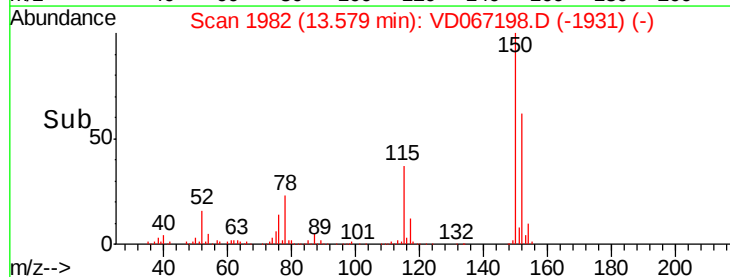
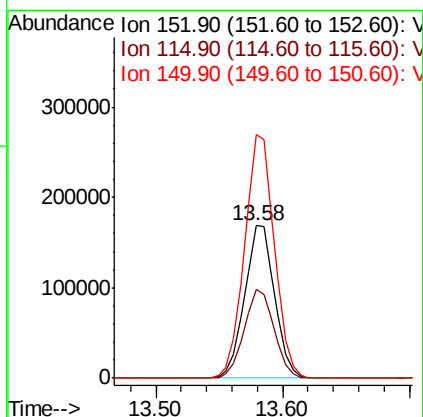
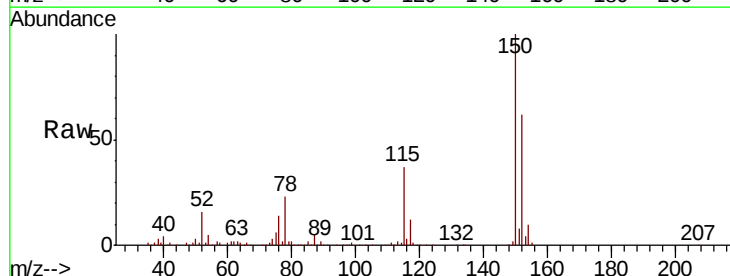
Instrument :
MSVOA_D
ClientSampleId :
PAV-B10-100720-0-1

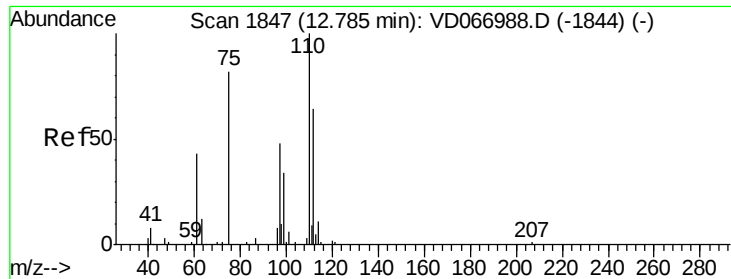
Tot Ion:117 Resp: 587027
Ion Ratio Lower Upper
117 100
82 54.6 42.6 63.8
119 33.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067198.D
Acq: 08 Oct 2020 16:53

Tgt Ion:152 Resp: 277108
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 158.8 0.0 344.8

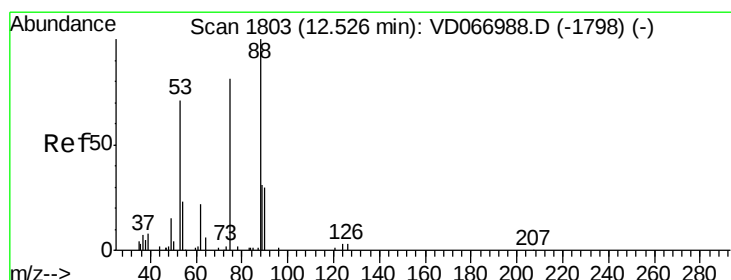
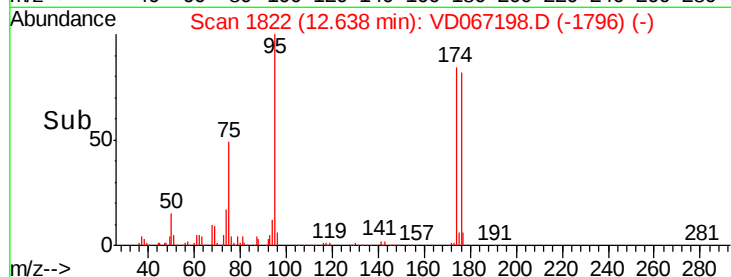
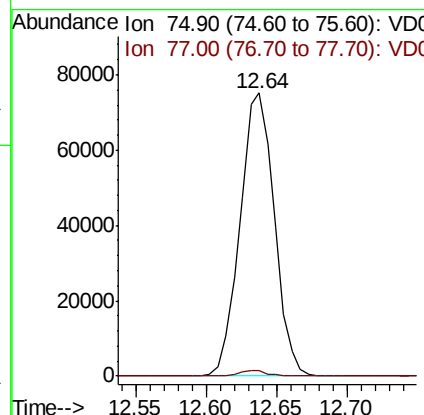
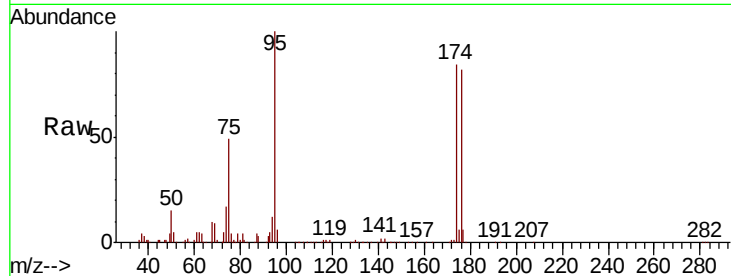




#76
 1,2,3-Trichloropropane
 Concen: 52.859 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067198.D
 Acq: 08 Oct 2020 16:53

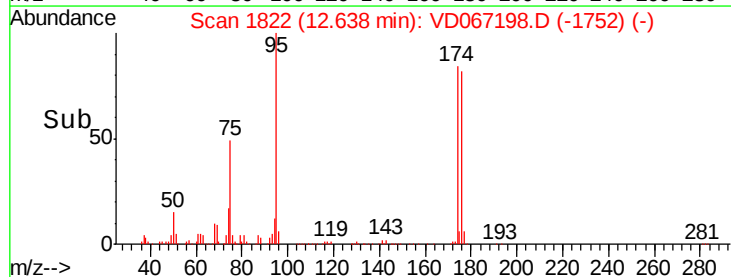
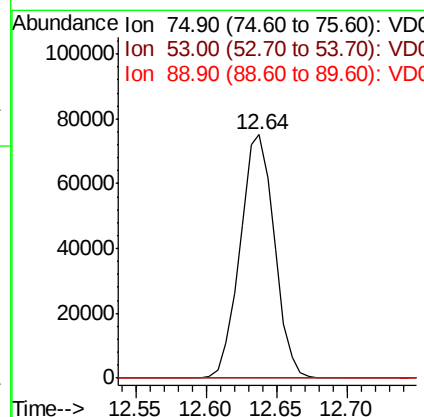
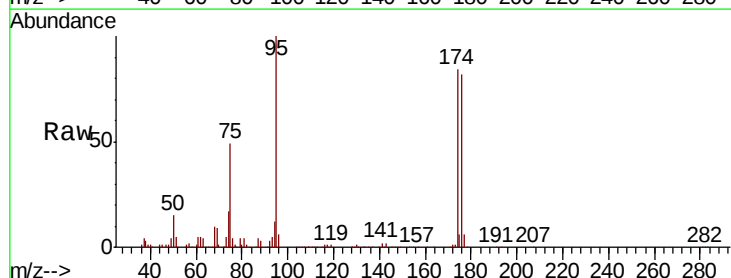
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B10-100720-0-1

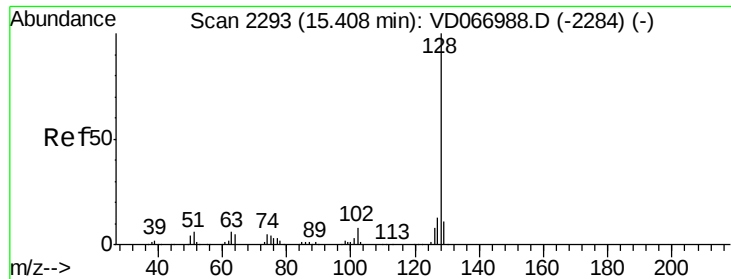
Tot Ion: 75 Resp: 127586
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.784 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067198.D
 Acq: 08 Oct 2020 16:53

Tgt Ion: 75 Resp: 127586
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.8 110.6#
 89 0.0 38.9 58.3#





#95

Naphthalene

Concen: 4.242 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067198.D

Acq: 08 Oct 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

PAV-B10-100720-0-1

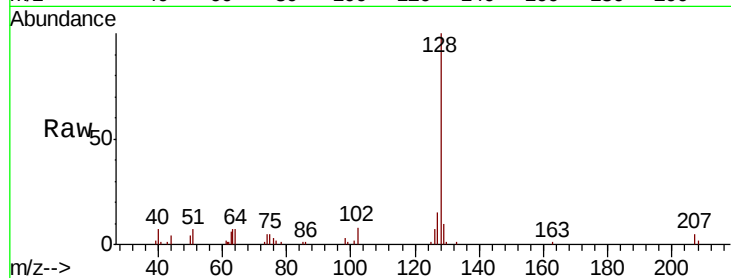
Tot Ion:128 Resp: 35369

Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

129 10.5 8.6 13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

