

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067125.D
 Acq On : 07 Oct 2020 00:29
 Operator : VA/SY
 Sample : L4260-07
 Misc : 9.3G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B21-100220-17.5-18.5

Quant Time: Oct 07 02:08:37 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

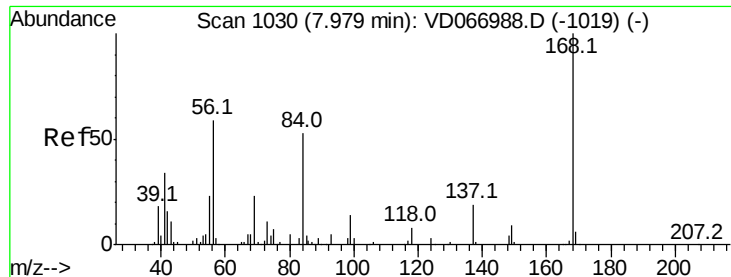
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	428901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	694954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	626268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	198158	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	7.91	113	227934	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.34	98	811976	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.64	95	259954	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1214	Below Cal		94
5) Bromomethane	2.78	94	631	Below Cal	#	59
11) Tert butyl alcohol	5.21	59	131	Below Cal	#	72
16) Acetone	4.16	43	9142	14.497	ug/l	97
25) 2-Butanone	7.23	43	3489	3.902	ug/l	96
26) 2,2-Dichloropropane	7.20	77	725	Below Cal	#	1
27) cis-1,2-Dichloroethene	7.21	96	55640	11.322	ug/l	87
31) Cyclohexane	7.98	56	9449	1.523	ug/l #	42
37) Ethyl Acetate	7.23	43	3489	1.555	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	126423	52.218	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	126423	130.185	ug/l #	12

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\  
Data File : VD067125.D  
Acq On    : 07 Oct 2020 00:29  
Operator  : VA/SY  
Sample    : L4260-07  
Misc      : 9.3G/5.00ml/MSVOA D/SOIL  
ALS Vial  : 34 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

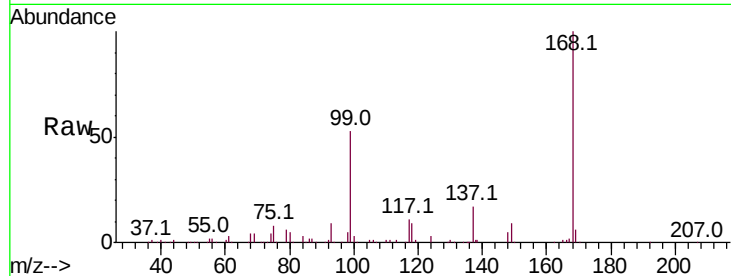
PAV-B21-100220-17.5-18.5

Tot Ion:168 Resp: 428901

Ion Ratio Lower Upper

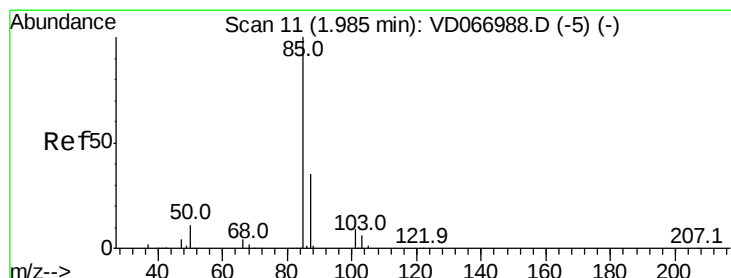
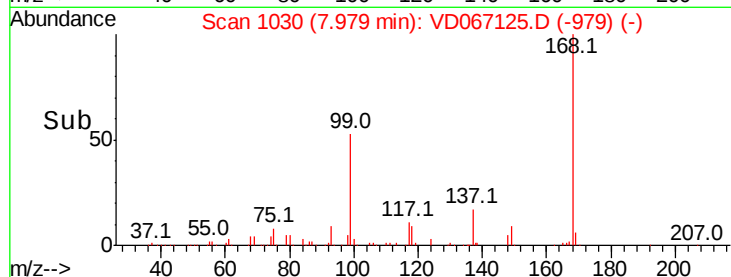
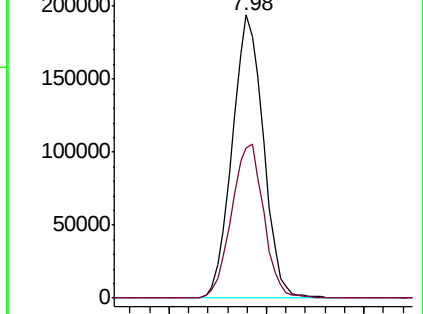
168 100

99 53.1 44.1 66.1



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. 0.00 min

Lab File: VD067125.D

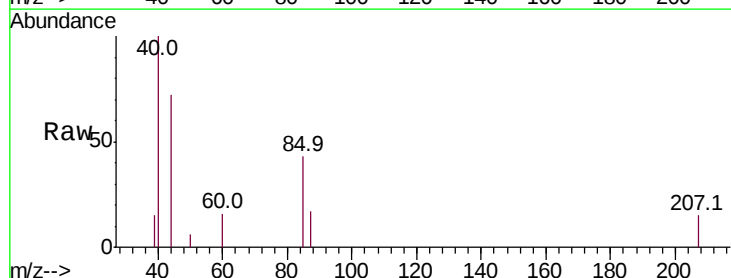
Acq: 07 Oct 2020 00:29

Tgt Ion: 85 Resp: 1214

Ion Ratio Lower Upper

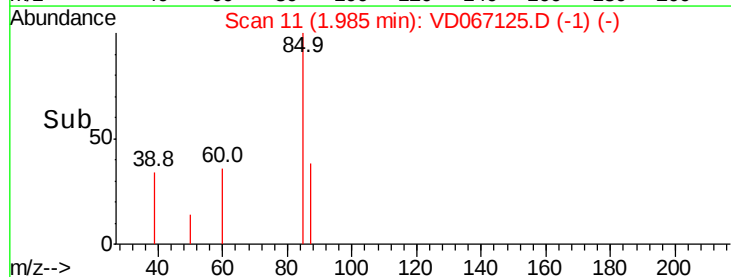
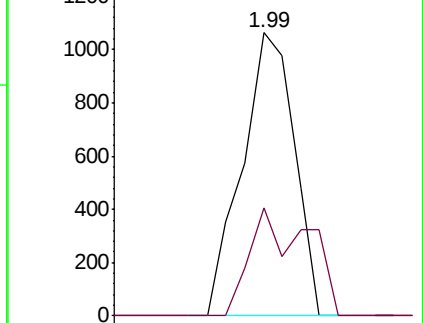
85 100

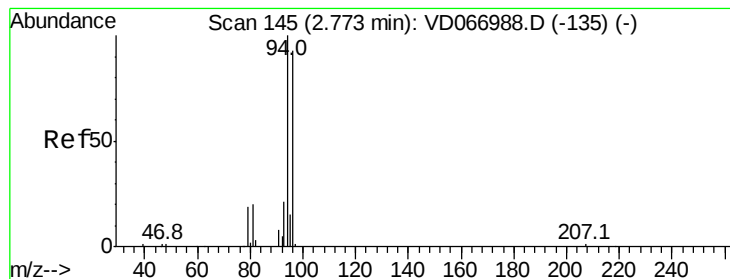
87 38.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

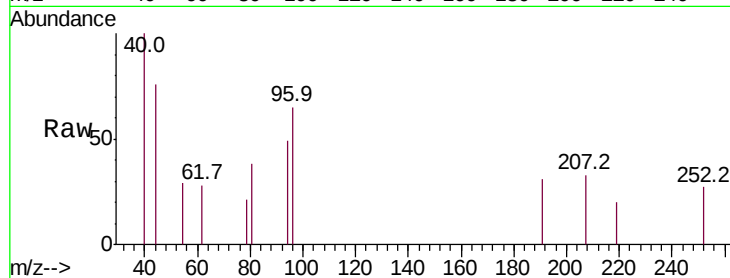
PAV-B21-100220-17.5-18.5

Tot Ion: 94 Resp: 631

Ion Ratio Lower Upper

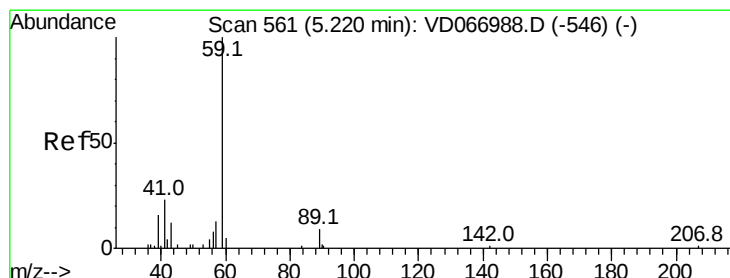
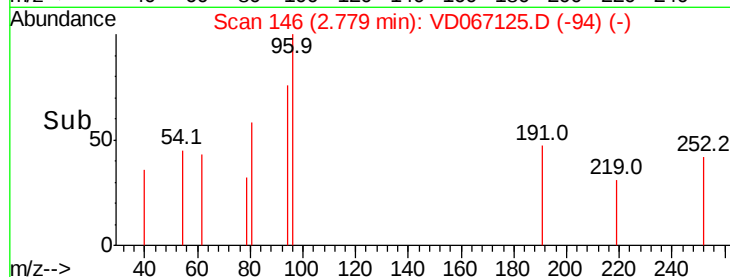
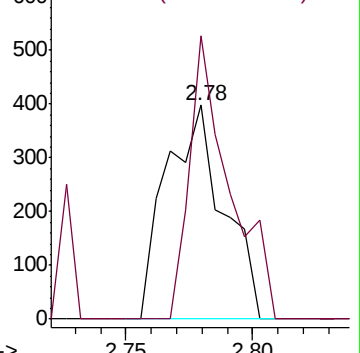
94 100

96 132.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067125.D

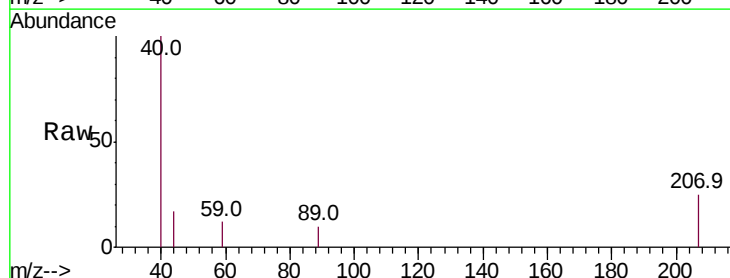
Acq: 07 Oct 2020 00:29

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

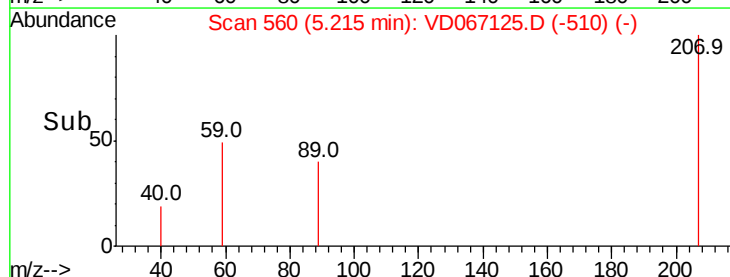
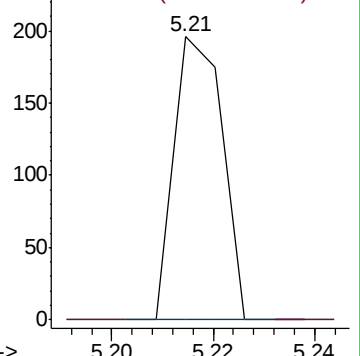
59 100

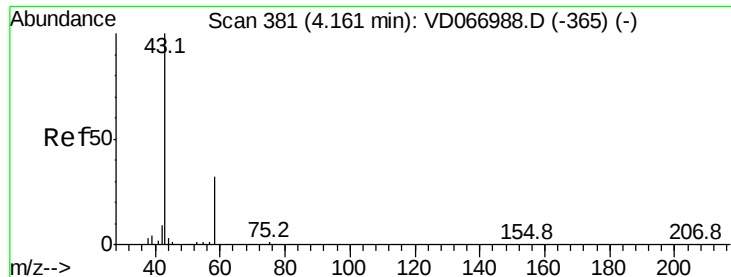
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 14.497 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

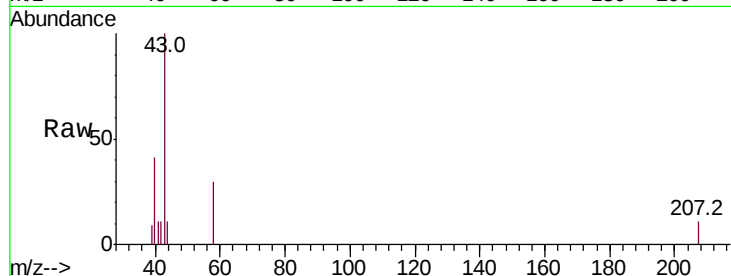
PAV-B21-100220-17.5-18.5

Tot Ion: 43 Resp: 9142

Ion Ratio Lower Upper

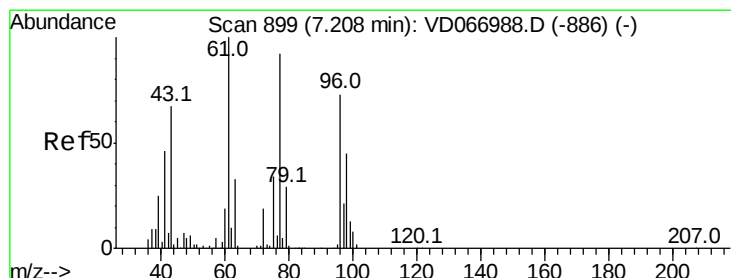
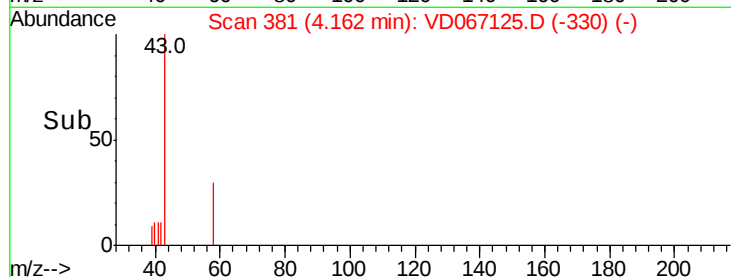
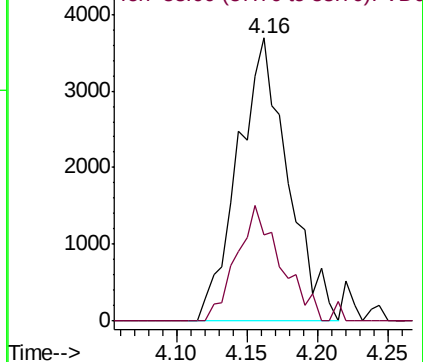
43 100

58 30.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 3.902 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD067125.D

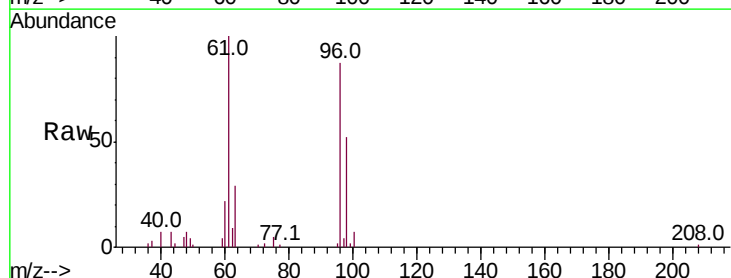
Acq: 07 Oct 2020 00:29

Tgt Ion: 43 Resp: 3489

Ion Ratio Lower Upper

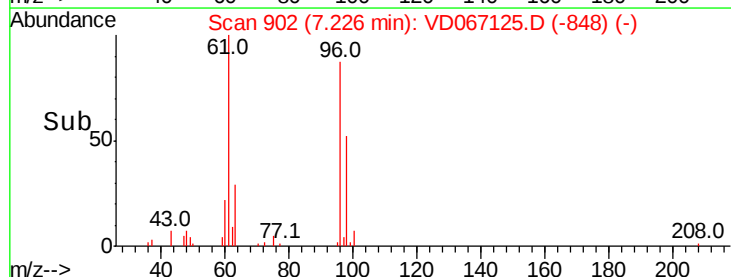
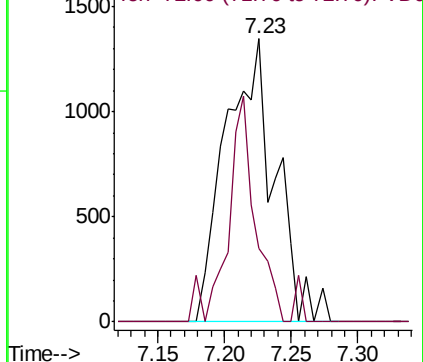
43 100

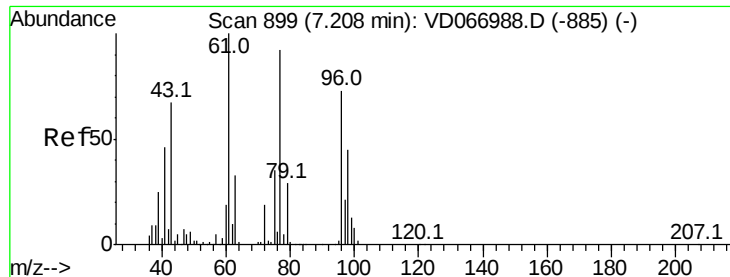
72 26.2 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

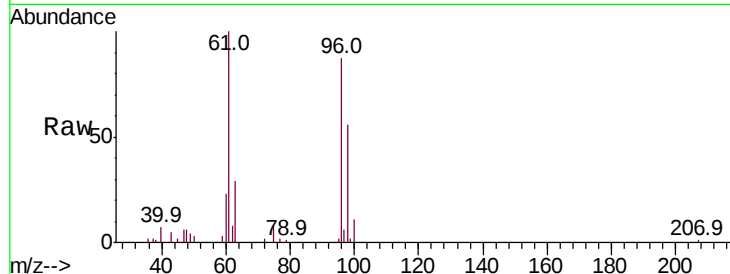
PAV-B21-100220-17.5-18.5

Tot Ion: 77 Resp: 725

Ion Ratio Lower Upper

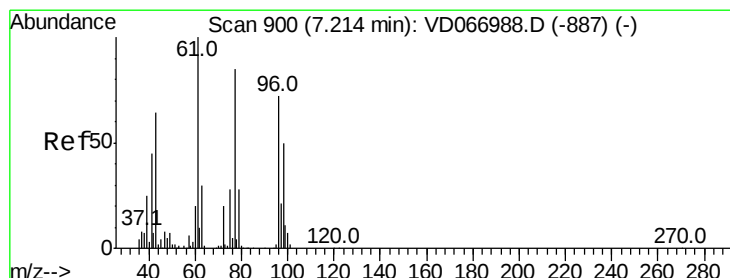
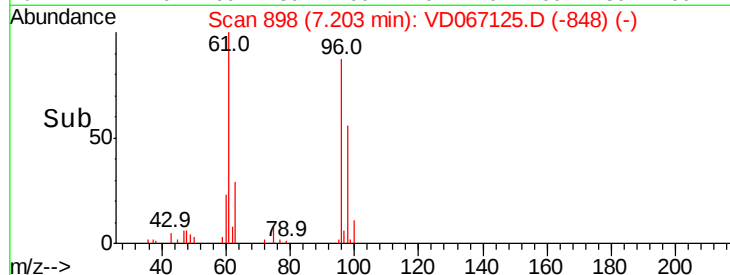
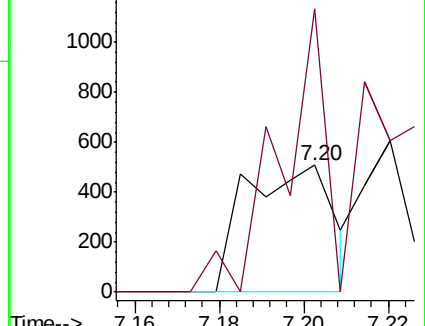
77 100

97 114.2 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#27

cis-1,2-Dichloroethene

Concen: 11.322 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

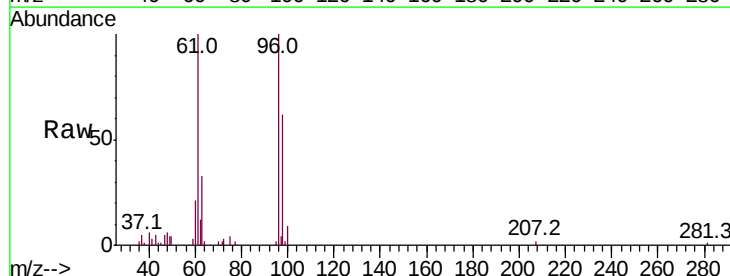
Tgt Ion: 96 Resp: 55640

Ion Ratio Lower Upper

96 100

61 112.9 0.0 269.2

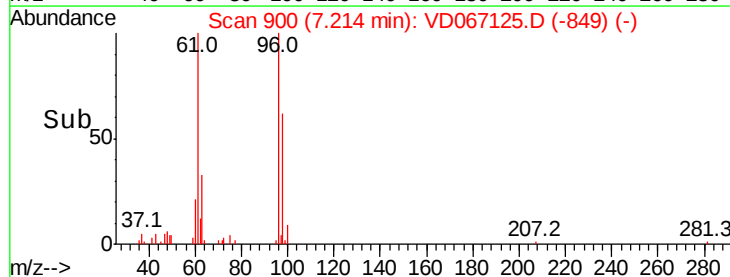
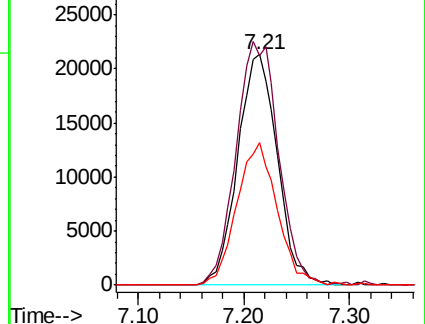
98 62.7 0.0 129.4

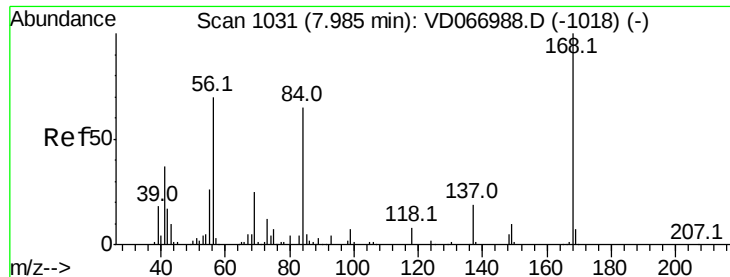


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

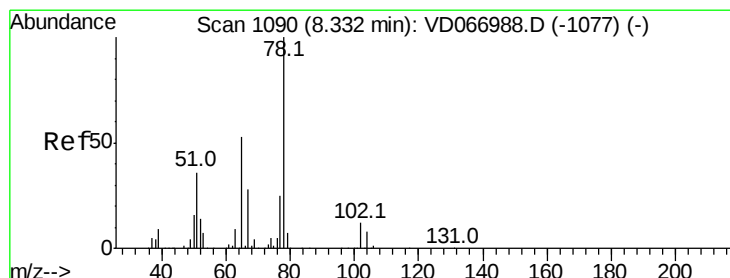
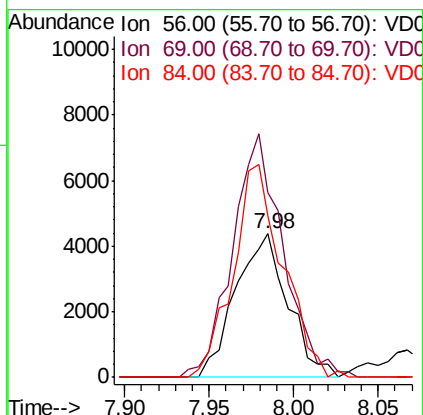
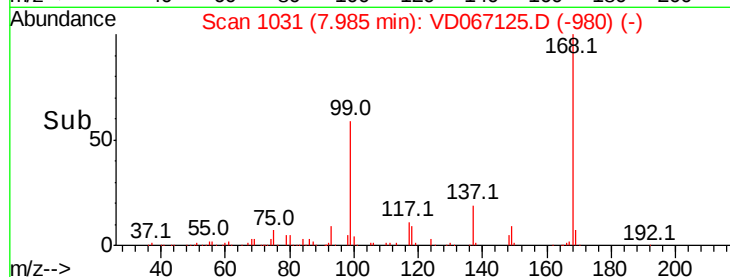
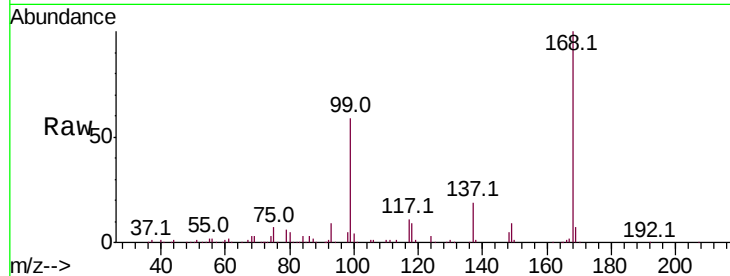




#31
Cyclohexane
Concen: 1.523 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

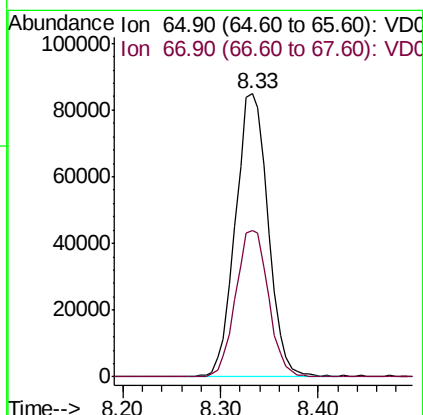
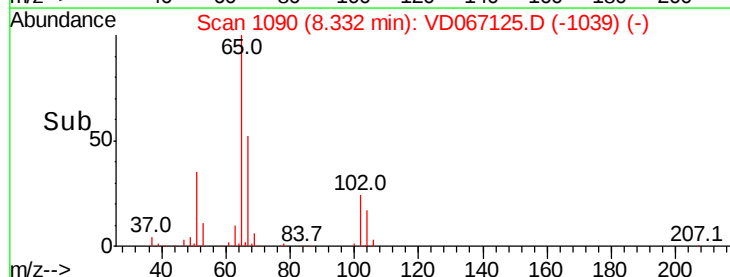
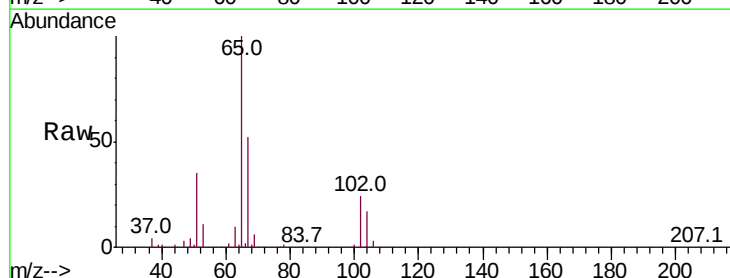
Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-17.5-18.5

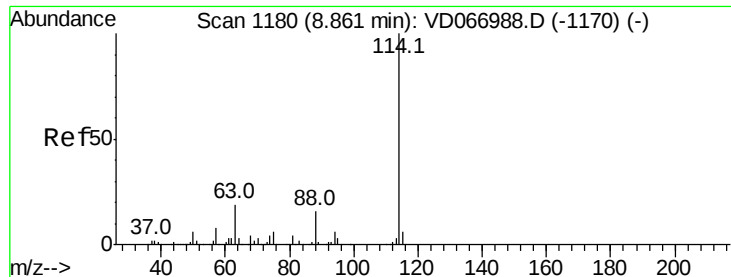
Tot Ion: 56 Resp: 9449
Ion Ratio Lower Upper
56 100
69 125.4 29.0 43.6#
84 112.8 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 47.967 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

Tgt Ion: 65 Resp: 198158
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

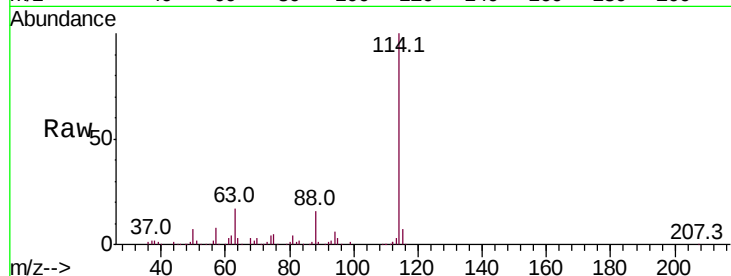




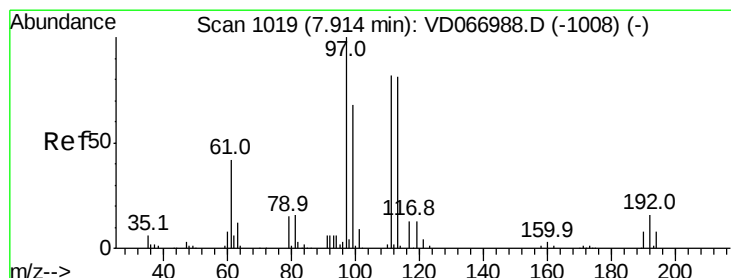
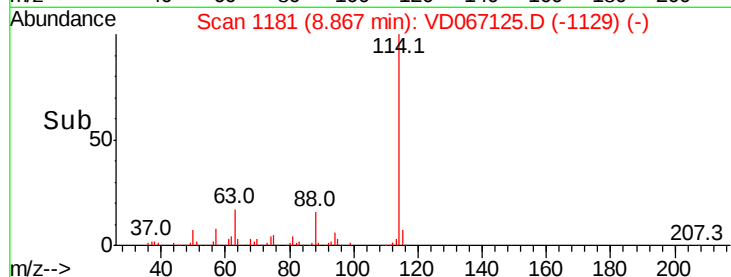
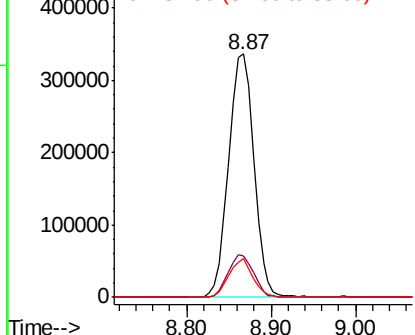
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-17.5-18.5

Tot Ion:114 Resp: 694954
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.4
88 15.7 0.0 31.2

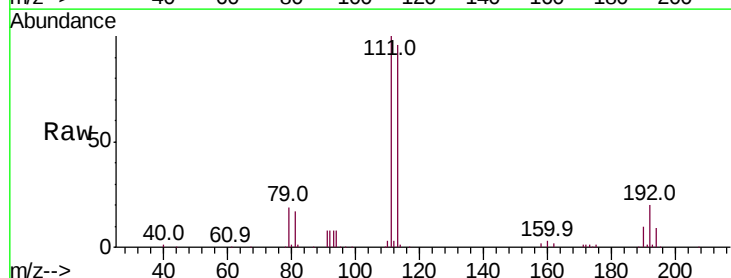


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

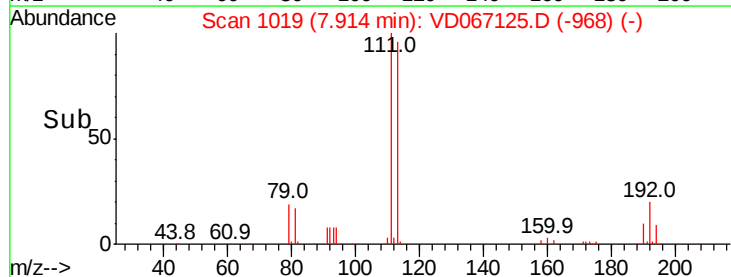
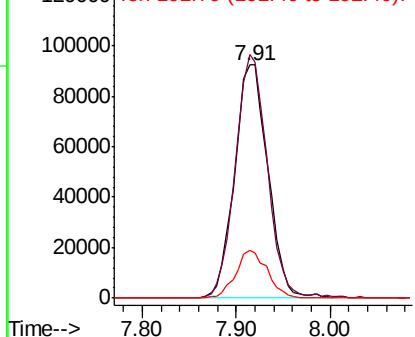


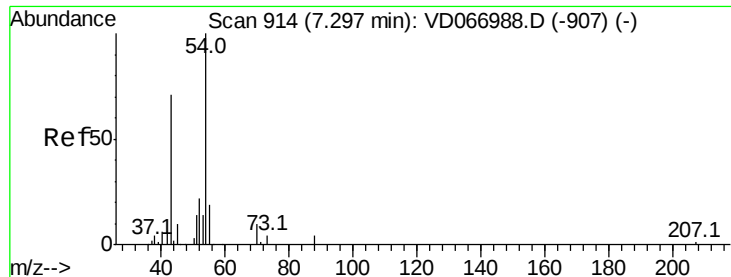
#35
Dibromofluoromethane
Concen: 50.098 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

Tgt Ion:113 Resp: 227934
Ion Ratio Lower Upper
113 100
111 100.4 83.0 124.4
192 19.3 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

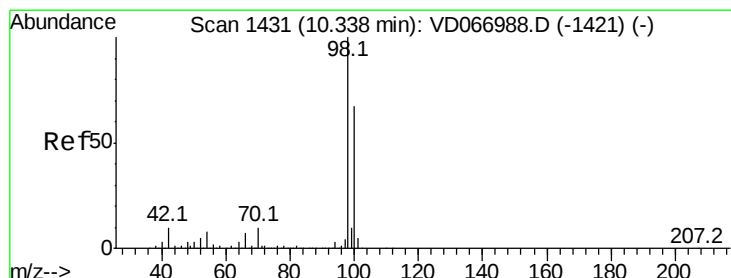
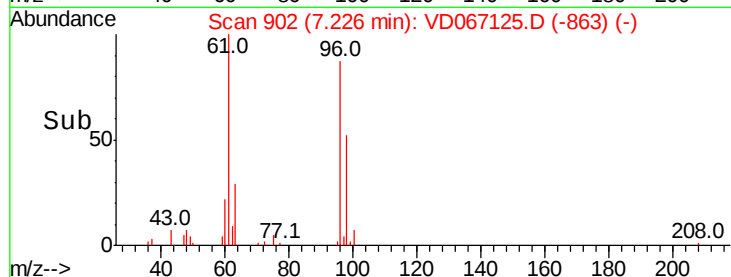
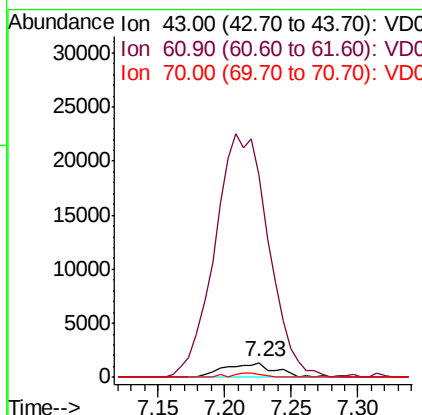
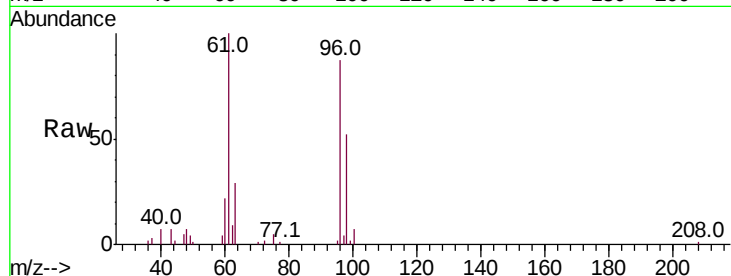




#37
Ethyl Acetate
Concen: 1.555 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

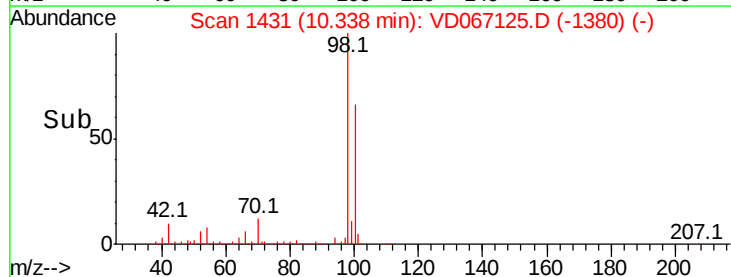
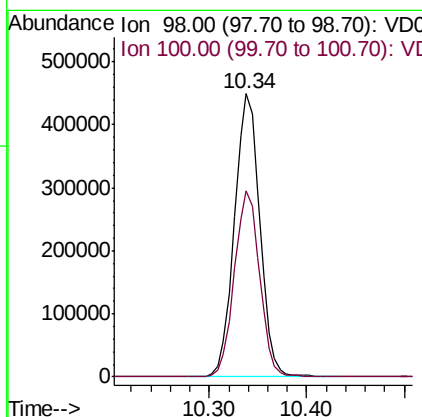
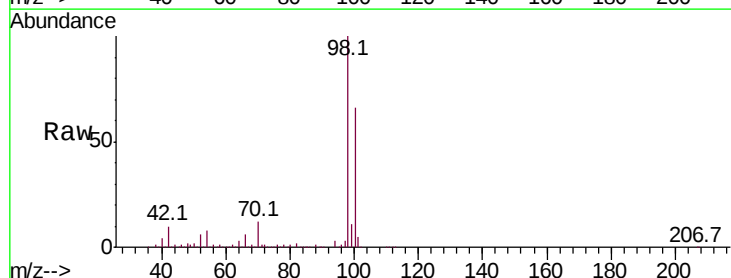
Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-17.5-18.5

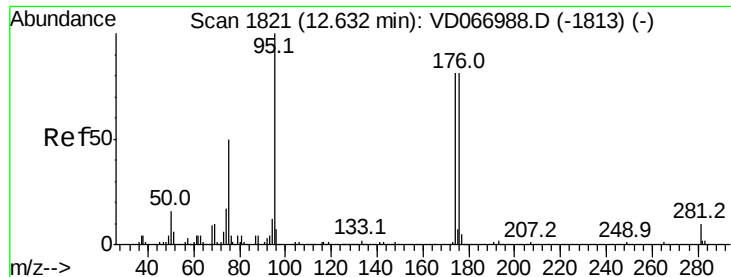
Tot Ion: 43 Resp: 3489
Ion Ratio Lower Upper
43 100
61 1799.9 12.5 18.7#
70 16.5 9.4 14.0#



#50
Toluene-d8
Concen: 48.977 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

Tgt Ion: 98 Resp: 811976
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2

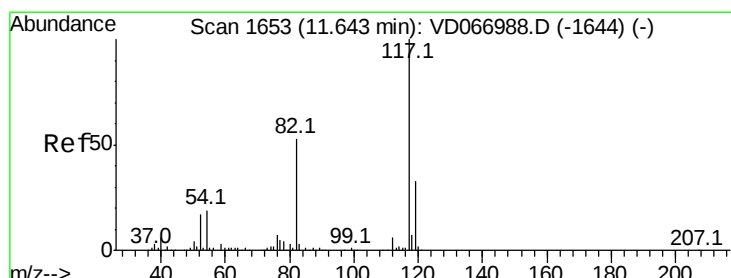
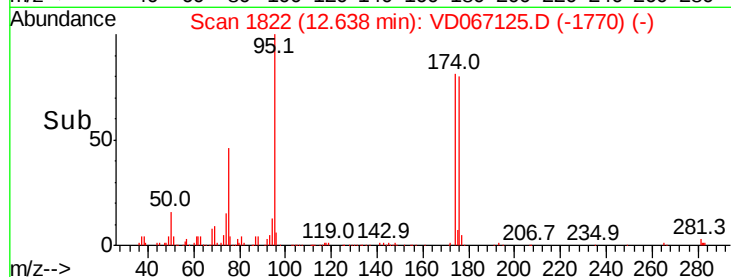
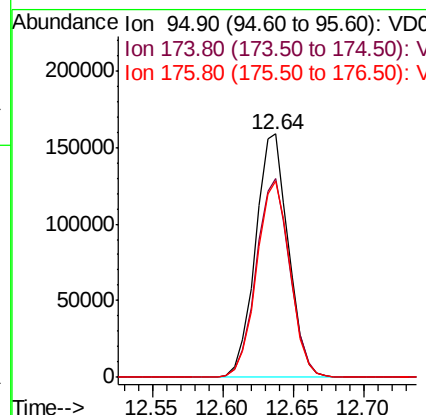
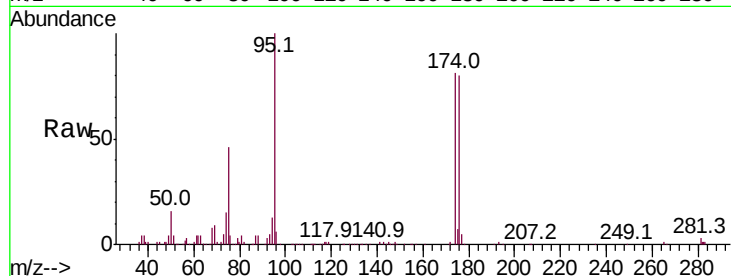




#62
4-Bromofluorobenzene
Concen: 46.189 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

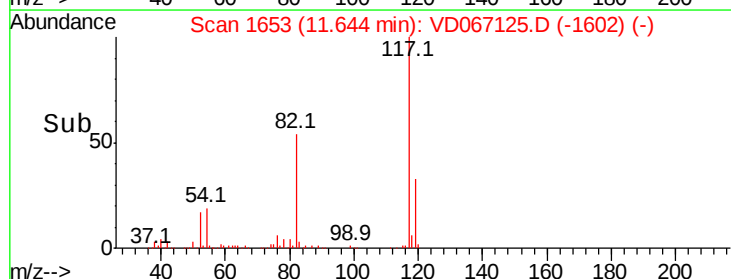
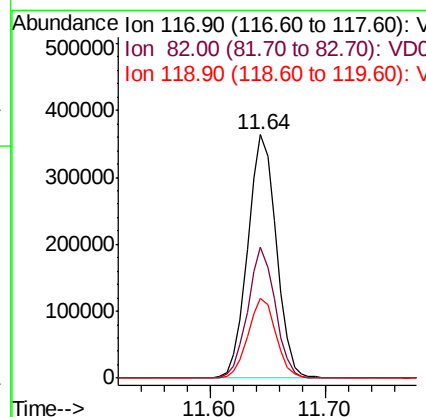
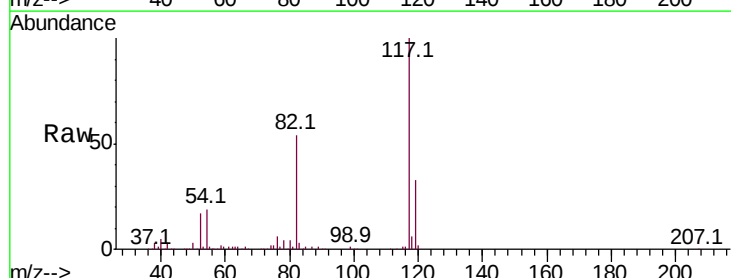
Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-17.5-18.5

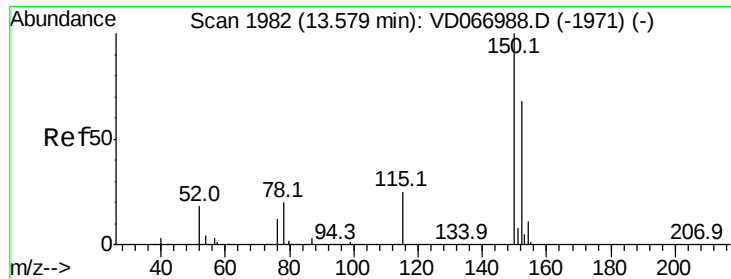
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	167.6
176	81.8	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067125.D
Acq: 07 Oct 2020 00:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	32.6	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: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

PAV-B21-100220-17.5-18.5

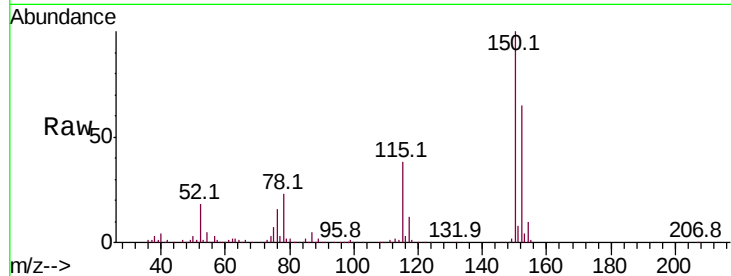
Tot Ion:152 Resp: 277955

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

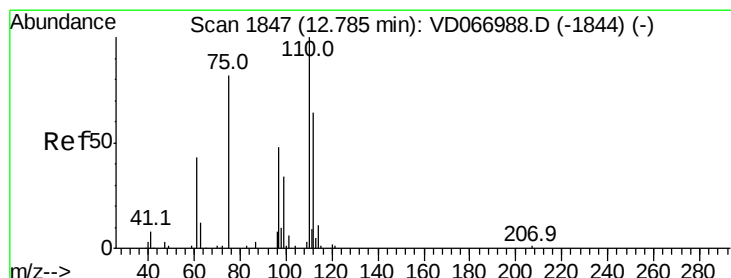
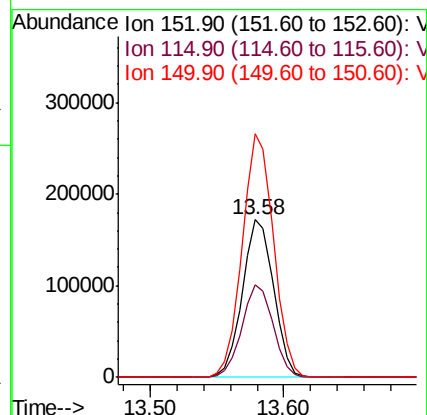
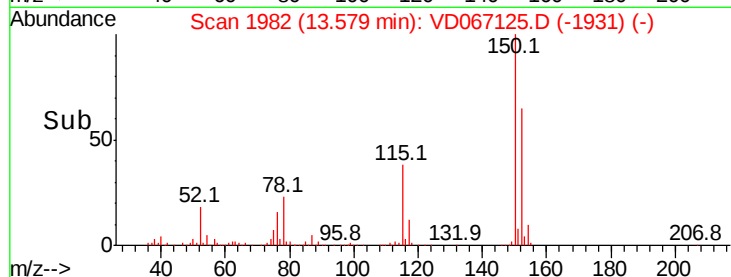
150 154.7 0.0 344.8



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: 52.218 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067125.D

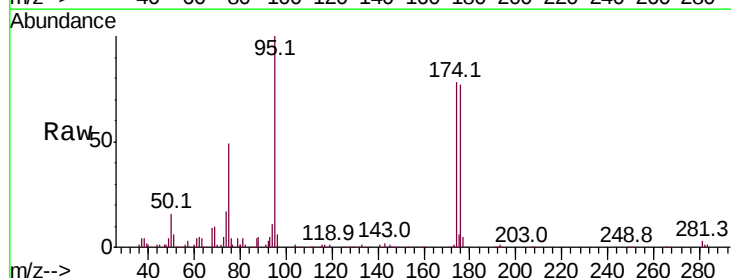
Acq: 07 Oct 2020 00:29

Tgt Ion: 75 Resp: 126423

Ion Ratio Lower Upper

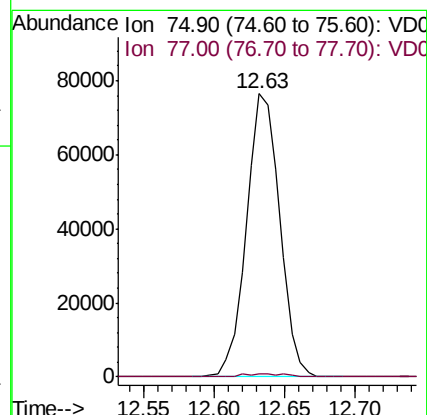
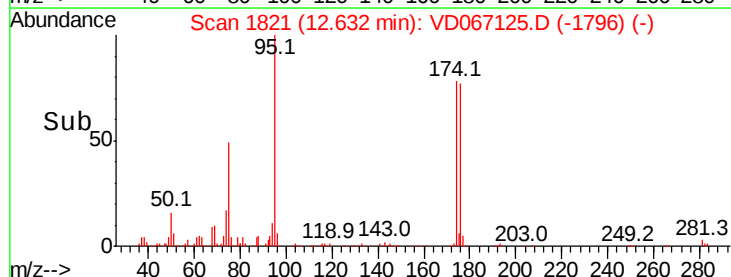
75 100

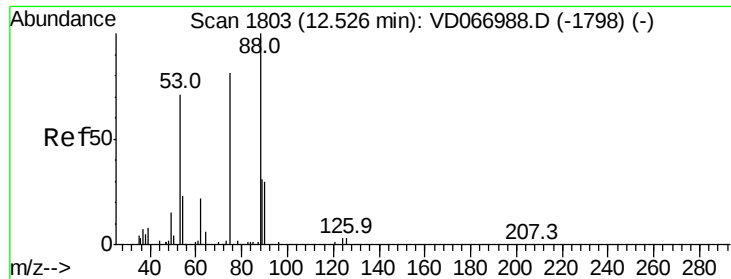
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.185 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067125.D

Acq: 07 Oct 2020 00:29

Instrument :

MSVOA_D

ClientSampleId :

PAV-B21-100220-17.5-18.5

Tot Ion: 75 Resp: 126423

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

