

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067866.D
 Acq On : 03 Dec 2020 14:11
 Operator : VA/SY
 Sample : L4916-01
 Misc : 4.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Quant Time: Dec 04 01:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	26171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	37271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	34956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16870	50.00	ug/l	0.00

System Monitoring Compounds

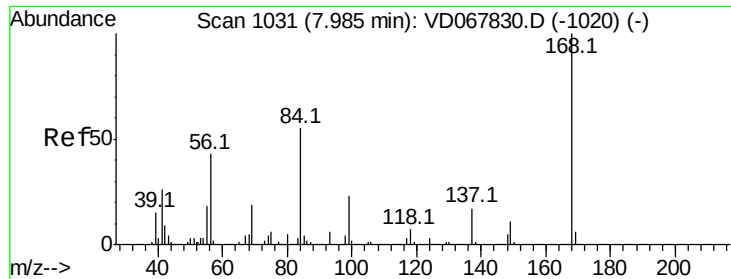
33) 1,2-Dichloroethane-d4	8.34	65	17702	63.01	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.02%
35) Dibromofluoromethane	7.93	113	11804	47.33	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.66%
50) Toluene-d8	10.34	98	42715	47.58	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.16%
62) 4-Bromofluorobenzene	12.64	95	12242	39.44	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.88%

Target Compounds

					Qvalue	
3) Chloromethane	2.21	50	183	1.392	ug/l #	40
16) Acetone	4.17	43	1063	30.618	ug/l #	47
20) Methylene Chloride	4.99	84	245	Below Cal	#	16
36) 1,1-Dichloropropene	7.98	75	1534	4.754	ug/l #	39
38) Carbon Tetrachloride	7.99	117	2857	5.852	ug/l #	10
41) Methacrylonitrile	7.57	41	70	Below Cal	#	14
76) 1,2,3-Trichloropropane	12.63	75	6875	55.961	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	6875	133.865	ug/l #	7

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120320\  
Data File : VD067866.D  
Acq On    : 03 Dec 2020 14:11  
Operator  : VA/SY  
Sample    : L4916-01  
Misc      : 4.83G/5.00ml/MSVOA D/SOIL  
ALS Vial  : 11 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

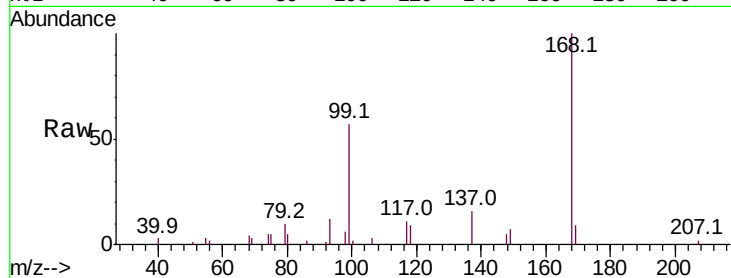
OK-01-12220

Tot Ion:168 Resp: 26171

Ion Ratio Lower Upper

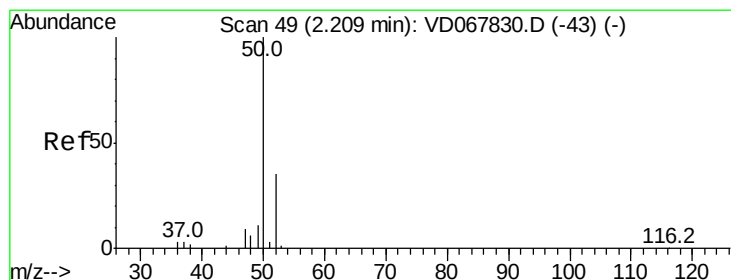
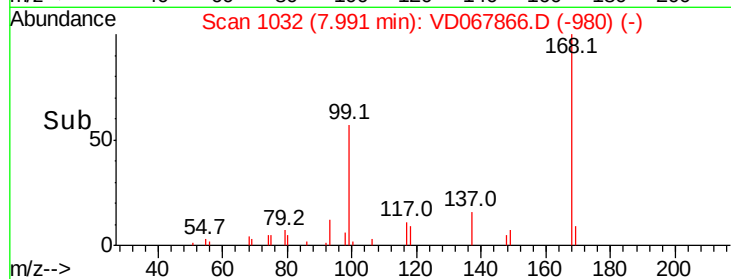
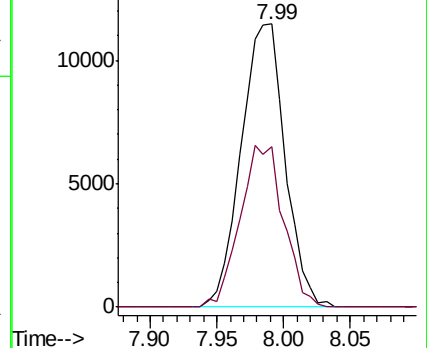
168 100

99 56.7 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.392 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD067866.D

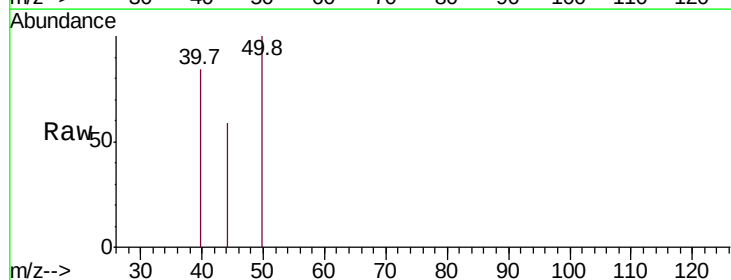
Acq: 03 Dec 2020 14:11

Tgt Ion: 50 Resp: 183

Ion Ratio Lower Upper

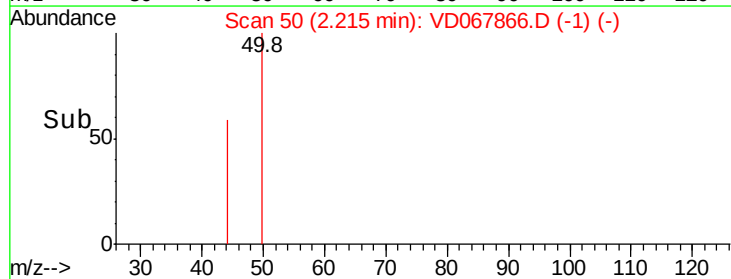
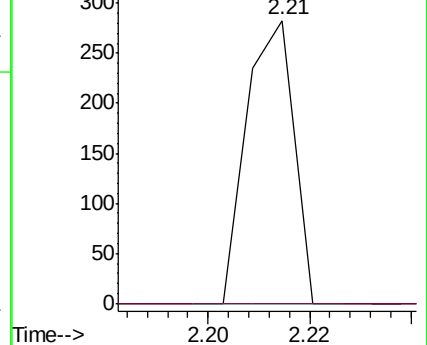
50 100

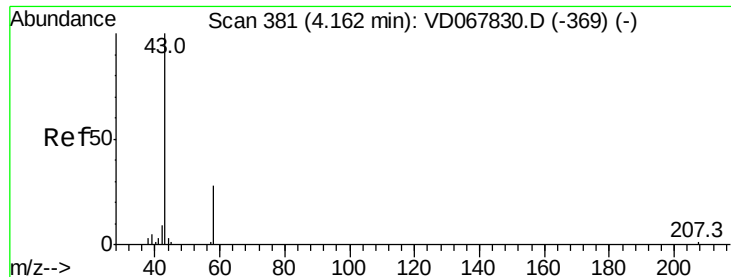
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 30.618 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

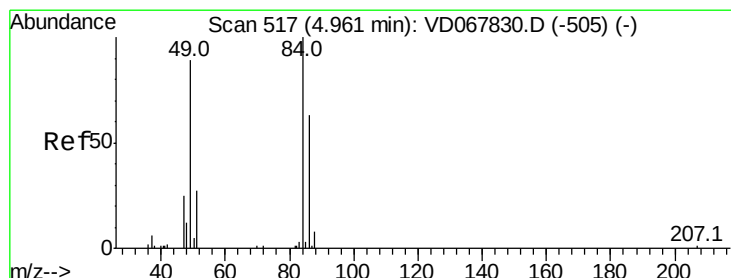
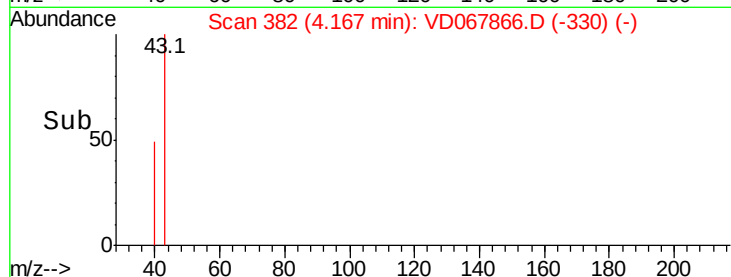
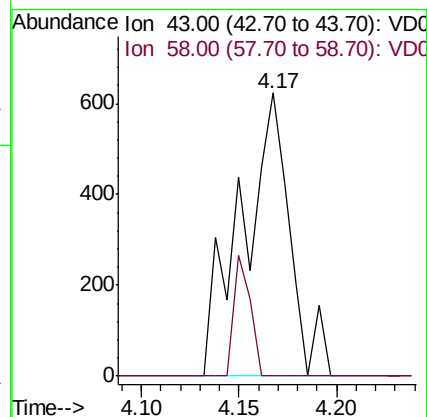
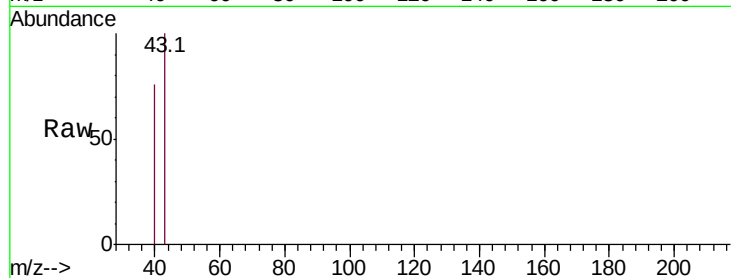
OK-01-12220

Tot Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.99 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Tgt Ion: 84 Resp: 245

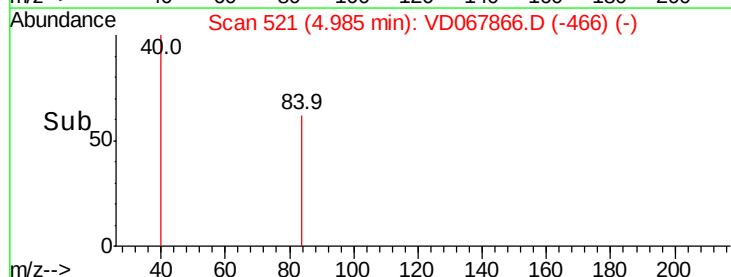
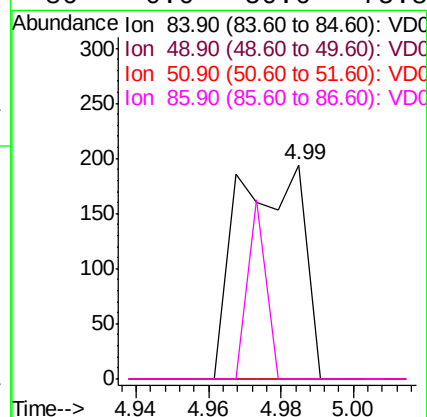
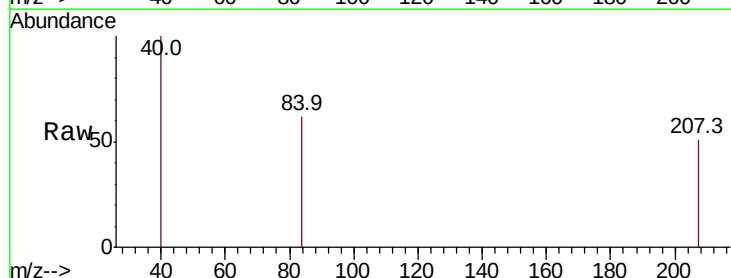
Ion Ratio Lower Upper

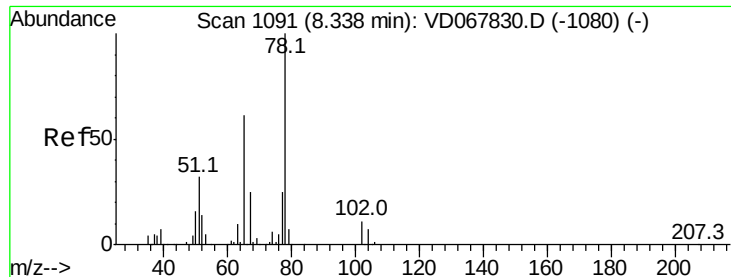
84 100

49 0.0 71.4 107.0#

51 0.0 21.8 32.8#

86 0.0 50.6 75.8#

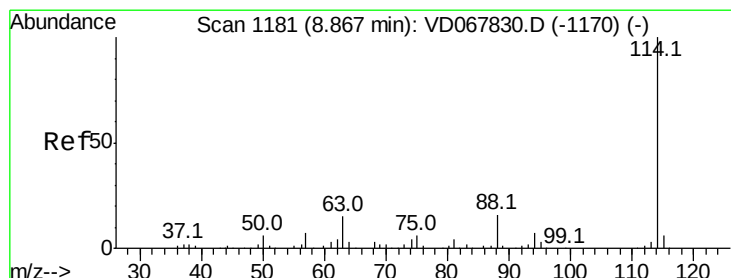
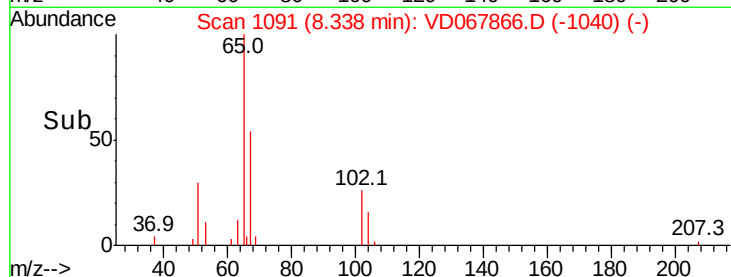
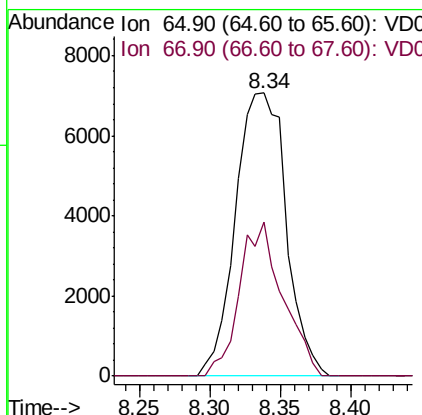
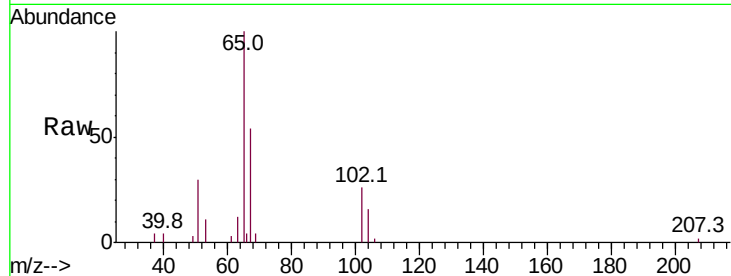




#33
 1,2-Dichloroethane-d4
 Concen: 63.006 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

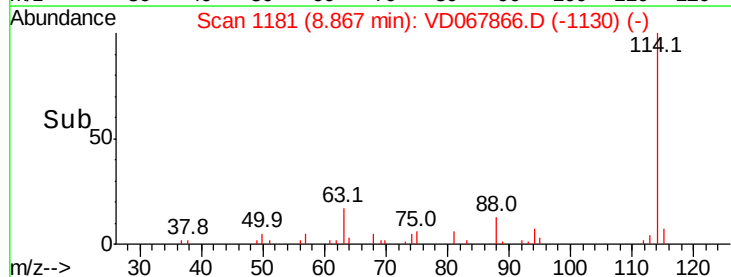
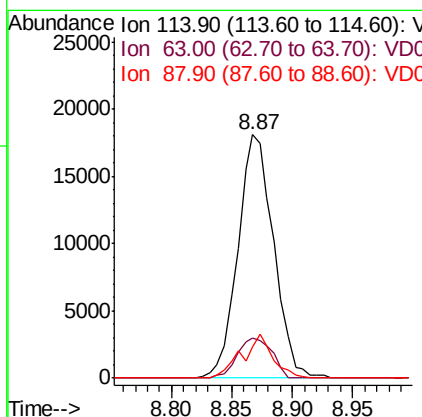
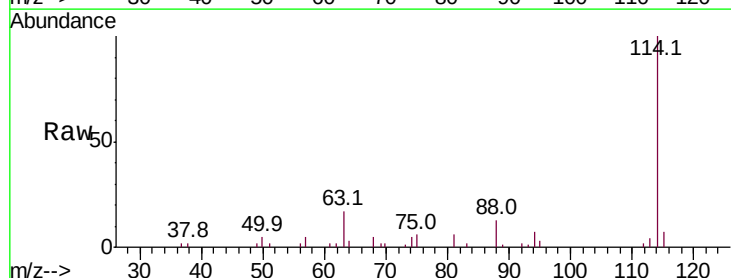
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

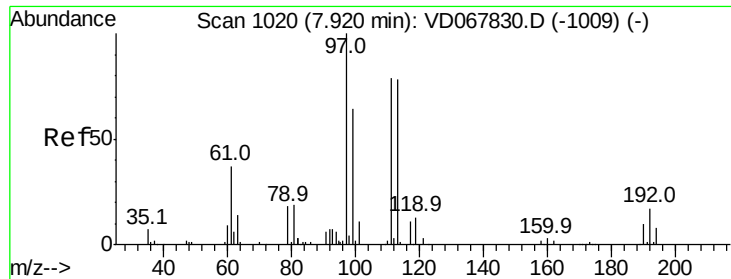
Tot Ion: 65 Resp: 17702
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Tgt Ion: 114 Resp: 37271
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 30.8
 88 13.0 0.0 31.8

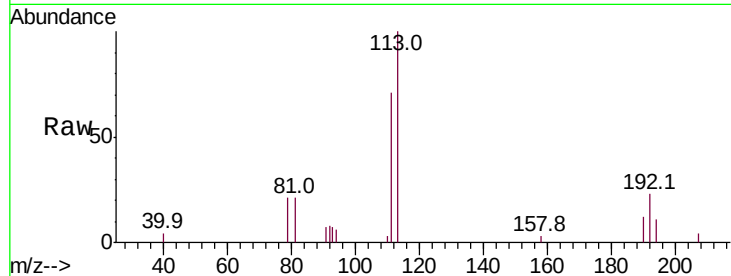




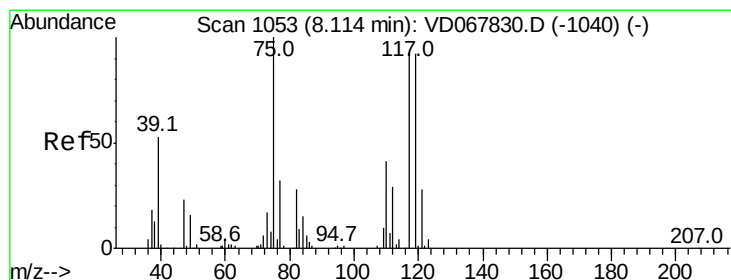
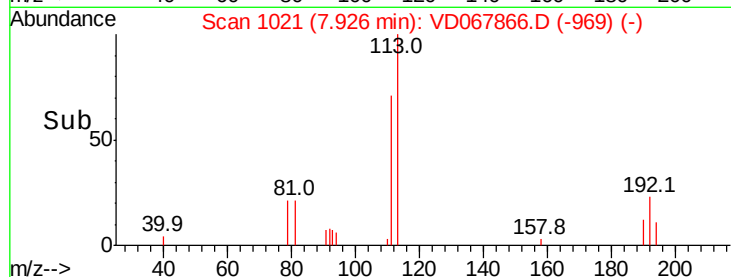
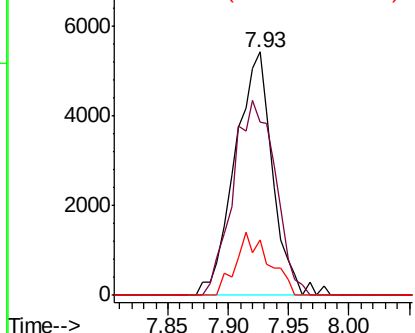
#35
 Dibromofluoromethane
 Concen: 47.330 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Tot Ion:113 Resp: 11804
 Ion Ratio Lower Upper
 113 100
 111 90.3 81.2 121.8
 192 22.8 16.8 25.2

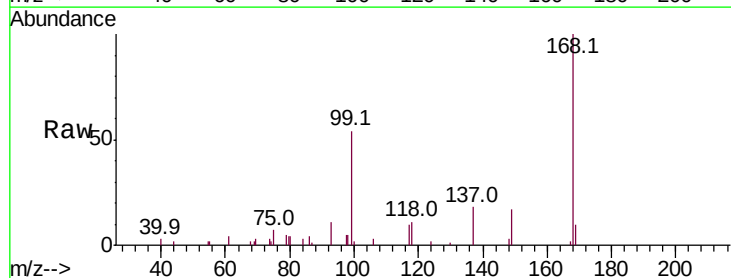


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

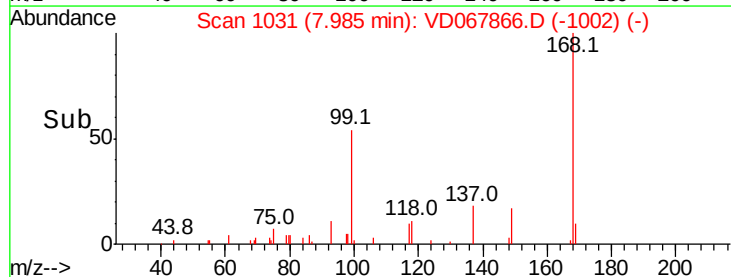
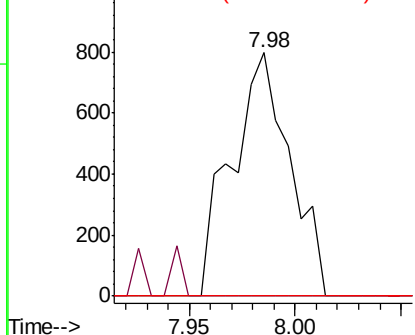


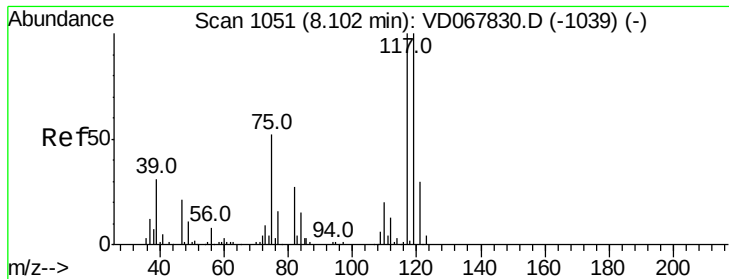
#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Tgt Ion: 75 Resp: 1534
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.3 61.0#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.852 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

OK-01-12220

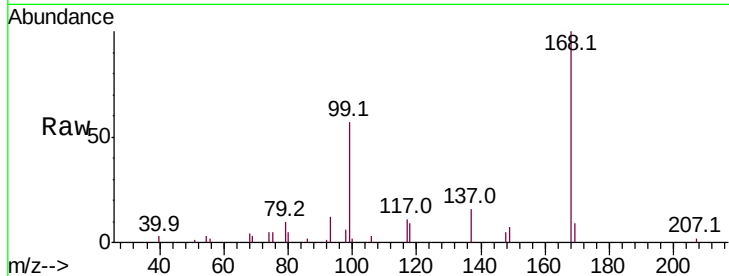
Tot Ion:117 Resp: 2857

Ion Ratio Lower Upper

117 100

119 0.0 79.7 119.5#

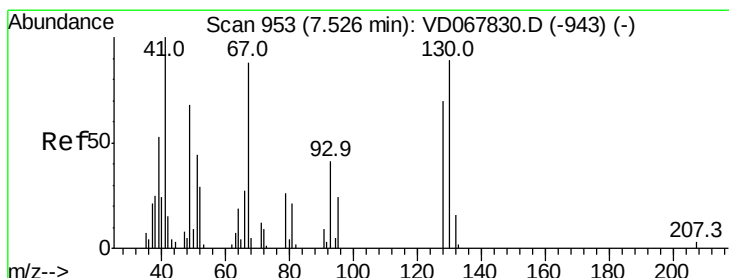
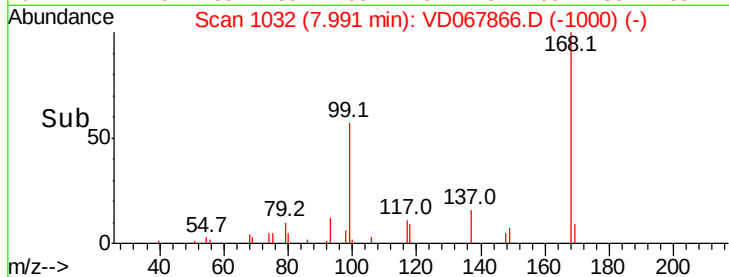
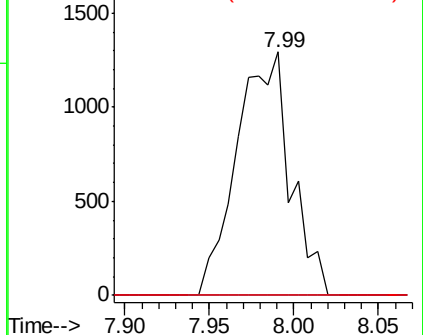
121 0.0 23.8 35.6#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Tgt Ion: 41 Resp: 70

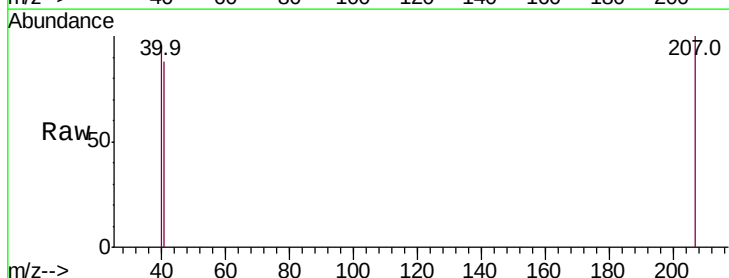
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

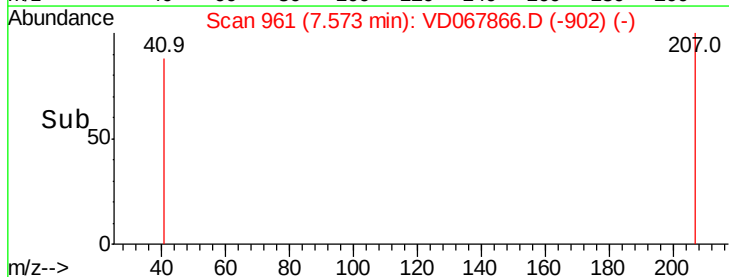
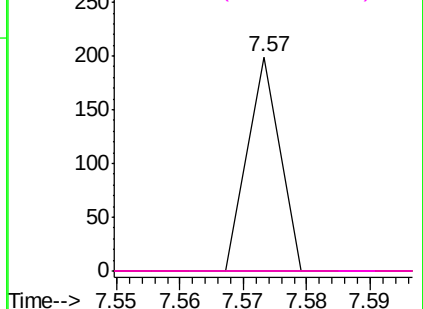


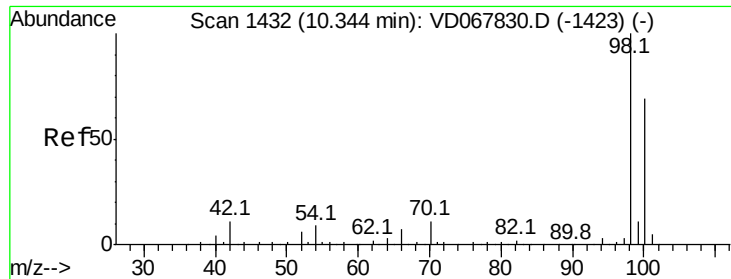
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 47.578 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

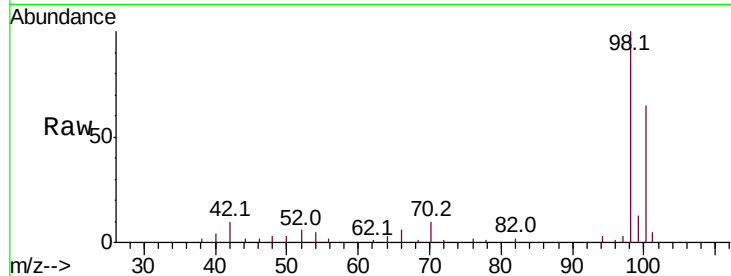
OK-01-12220

Tot Ion: 98 Resp: 42715

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

25000

20000

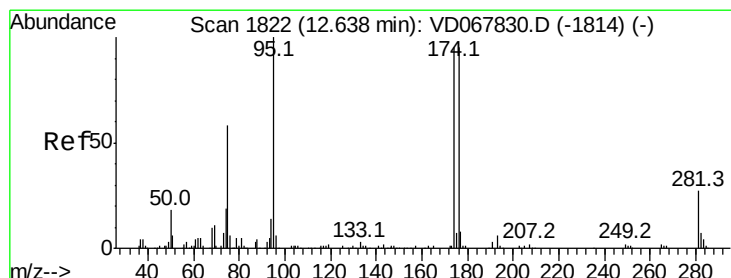
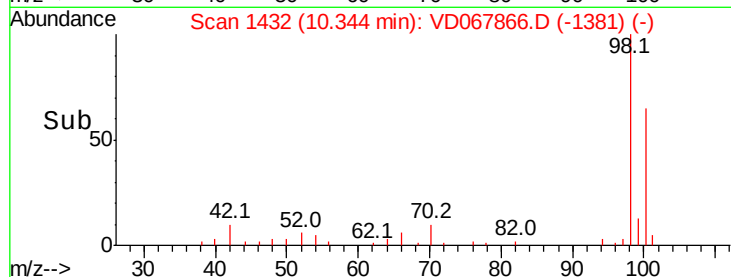
15000

10000

5000

0

Time--> 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 39.441 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067866.D

Acq: 03 Dec 2020 14:11

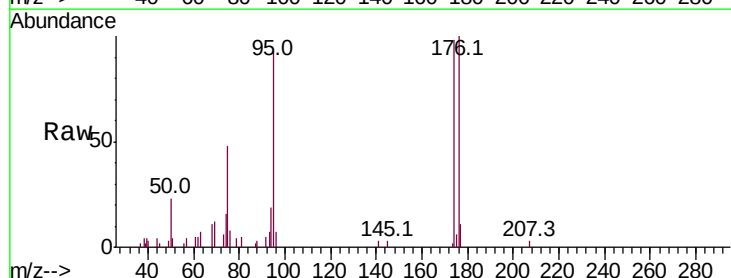
Tgt Ion: 95 Resp: 12242

Ion Ratio Lower Upper

95 100

174 114.7 0.0 186.0

176 109.4 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

10000

8000

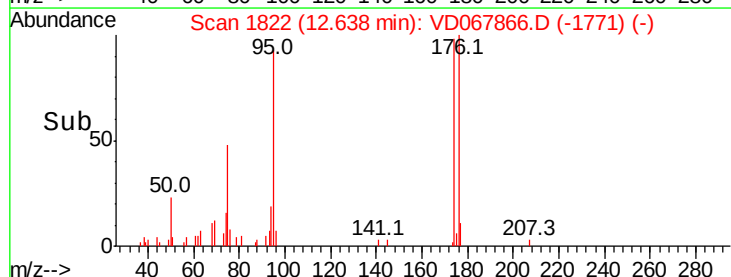
6000

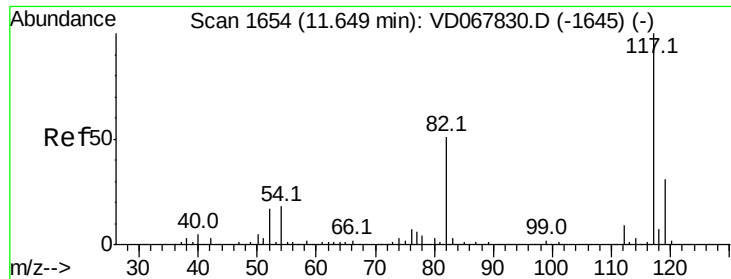
4000

2000

0

Time--> 12.60 12.65 12.70

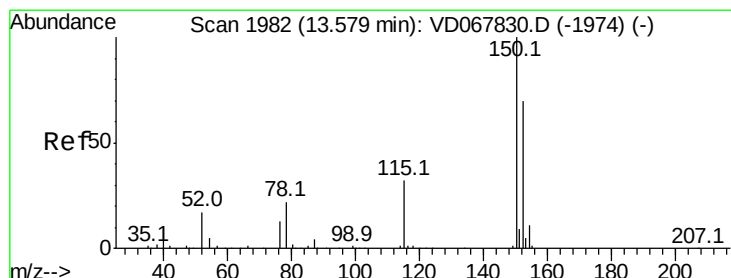
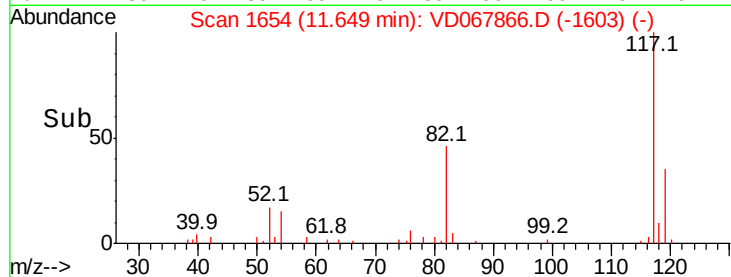
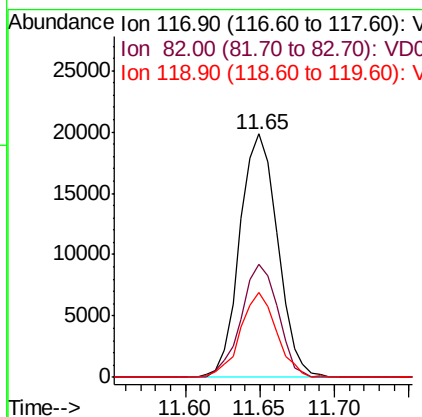
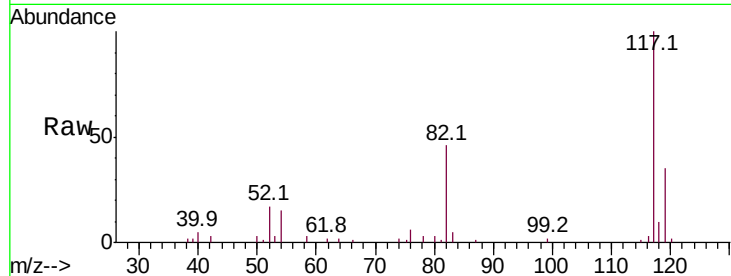




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

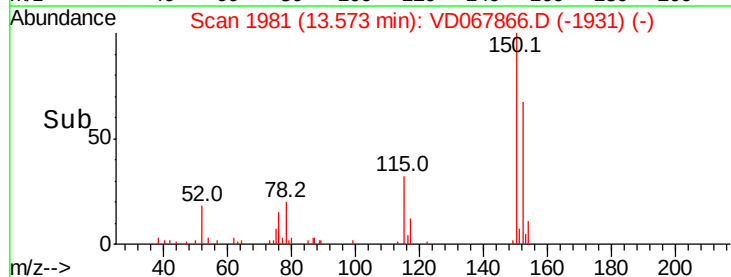
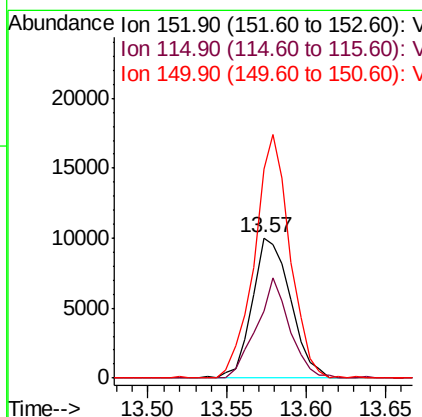
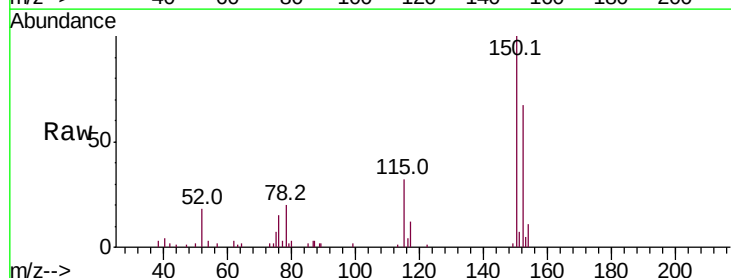
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

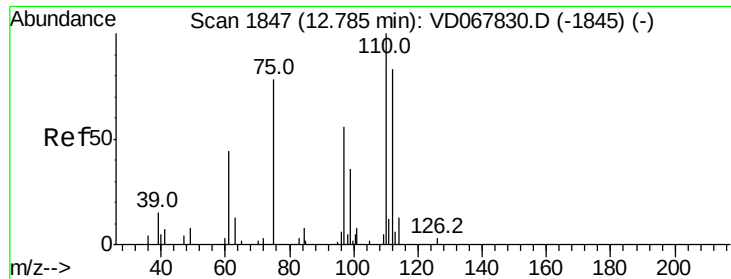
Tot Ion:117 Resp: 34956
 Ion Ratio Lower Upper
 117 100
 82 46.2 40.6 60.8
 119 34.9 25.1 37.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Tgt Ion:152 Resp: 16870
 Ion Ratio Lower Upper
 152 100
 115 61.4 29.1 87.4
 150 160.4 0.0 339.0

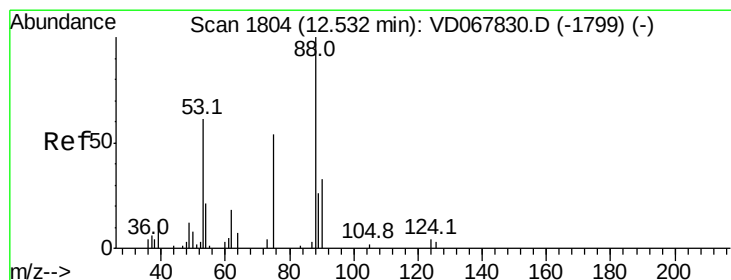
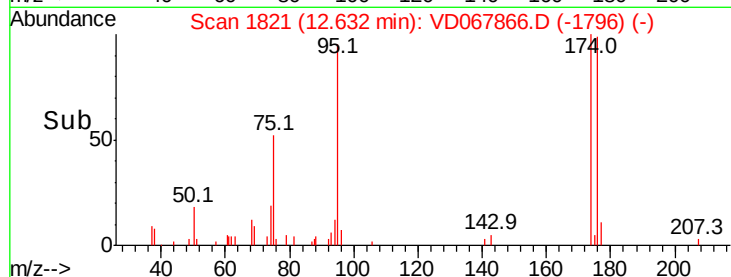
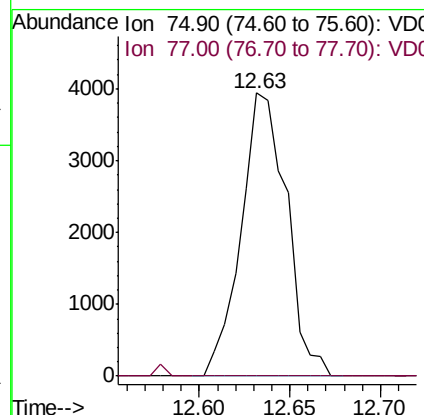
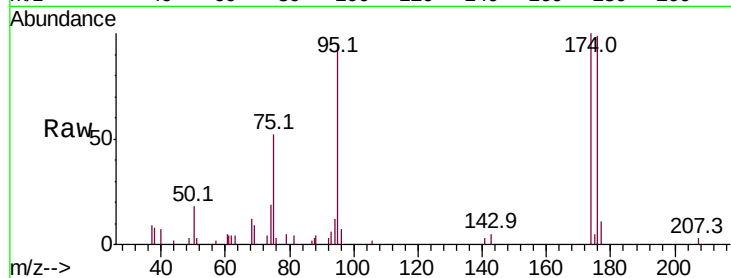




#76
 1,2,3-Trichloropropane
 Concen: 55.961 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-12220

Tot Ion: 75 Resp: 6875
 Ion Ratio Lower Upper
 75 100
 77 0.0 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.865 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD067866.D
 Acq: 03 Dec 2020 14:11

Tgt Ion: 75 Resp: 6875
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

