

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067177.D
 Acq On : 08 Oct 2020 03:53
 Operator : VA/SY
 Sample : L4309-03
 Misc : 3.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-04-A

Quant Time: Oct 08 07:30:54 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

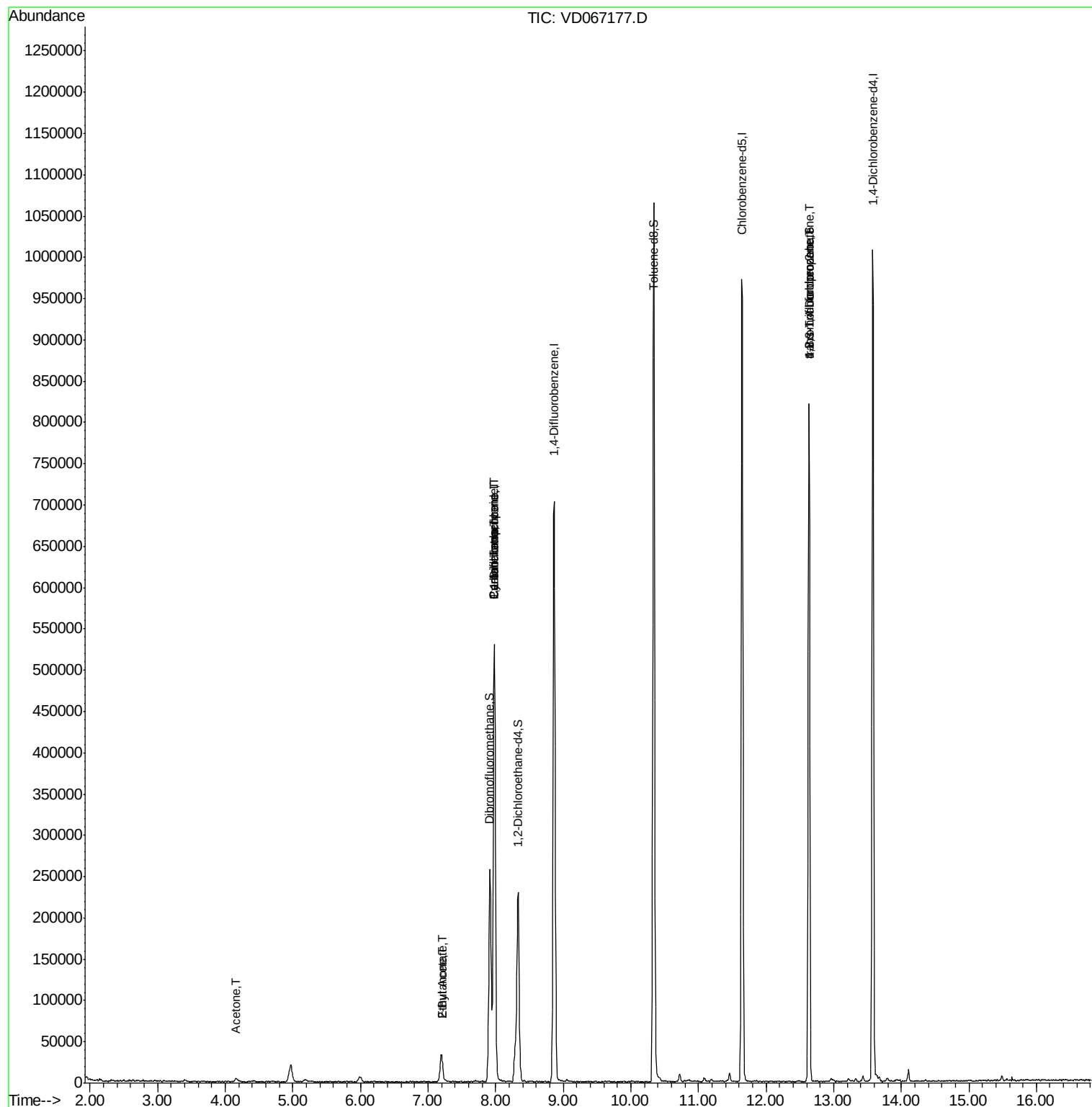
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	639211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	594161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	187996	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
35) Dibromofluoromethane	7.92	113	184641	44.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.24%	
50) Toluene-d8	10.34	98	750788	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.64	95	253492	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	346	Below Cal	#	40
5) Bromomethane	2.77	94	55	Below Cal	#	71
11) Tert butyl alcohol	5.20	59	1881	Below Cal	#	72
16) Acetone	4.16	43	7891	13.375	ug/l	93
20) Methylene Chloride	4.96	84	17863	Below Cal	#	80
25) 2-Butanone	7.22	43	2728	3.261	ug/l #	46
26) 2,2-Dichloropropane	7.21	77	1121	Below Cal	#	53
31) Cyclohexane	7.98	56	7952	1.370	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	28302	4.750	ug/l #	50
37) Ethyl Acetate	7.22	43	2728	1.322	ug/l #	66
38) Carbon Tetrachloride	7.98	117	42594	6.607	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	127317	51.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127317	128.898	ug/l #	12

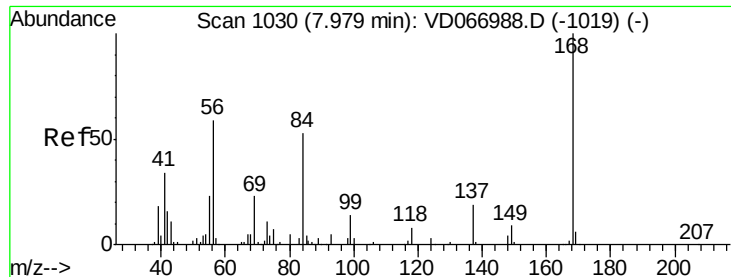
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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QLast Update : Thu Oct 01 15:19:17 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

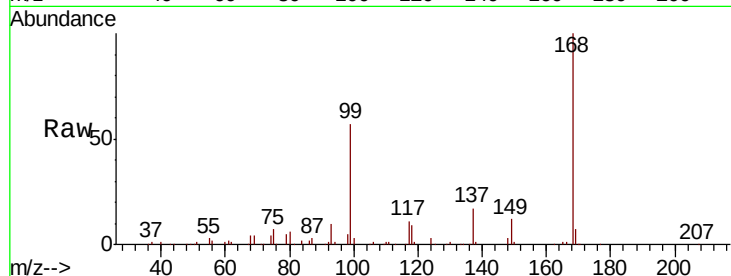
OWLS-HEAD-BH-04-A

Tot Ion:168 Resp: 401257

Ion Ratio Lower Upper

168 100

99 56.7 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

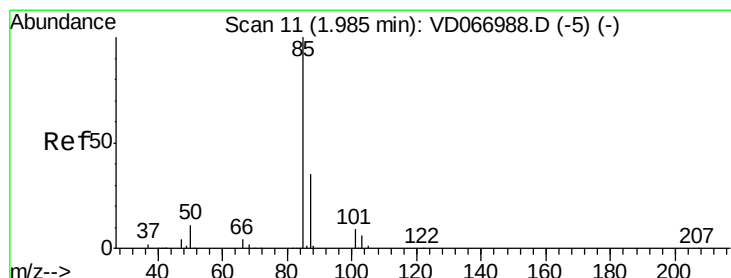
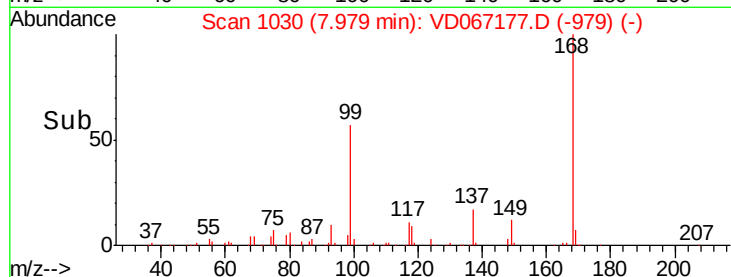
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067177.D

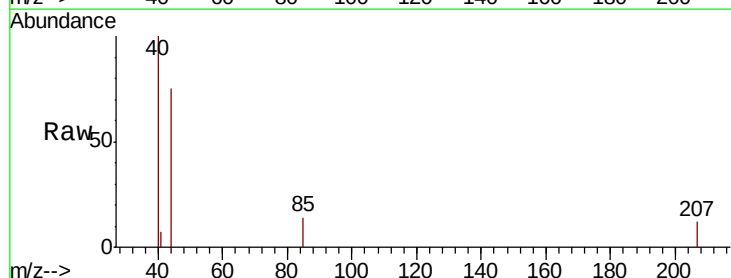
Acq: 08 Oct 2020 03:53

Tgt Ion: 85 Resp: 346

Ion Ratio Lower Upper

85 100

87 0.0 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

400

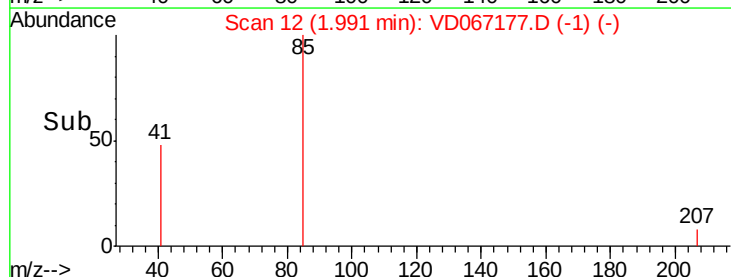
300

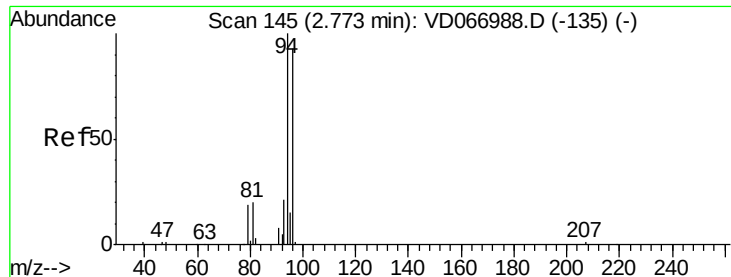
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

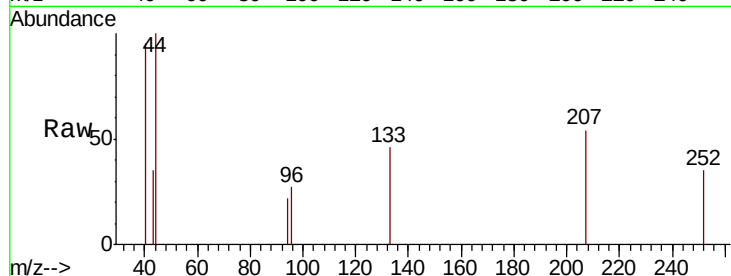
OWLS-HEAD-BH-04-A

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

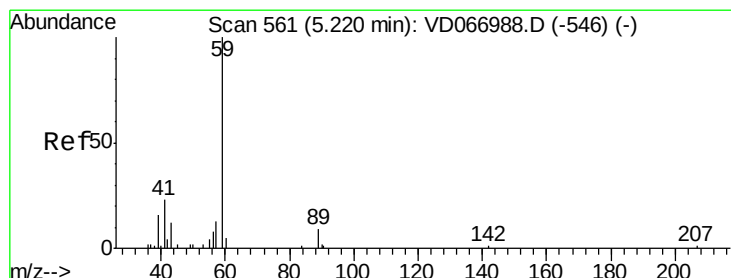
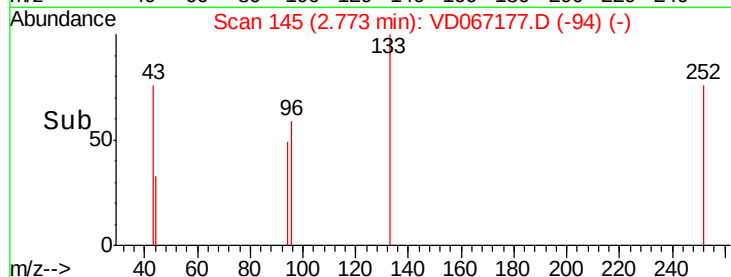
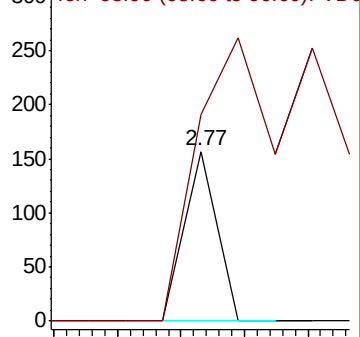
94 100

96 121.7 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: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067177.D

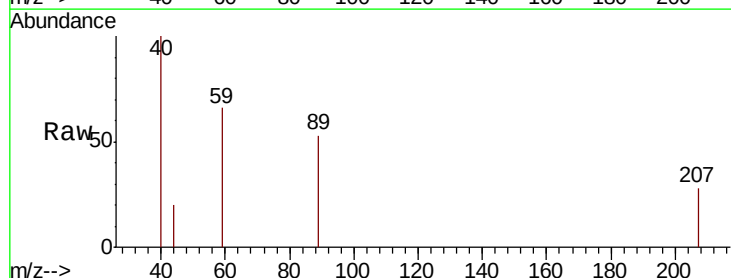
Acq: 08 Oct 2020 03:53

Tgt Ion: 59 Resp: 1881

Ion Ratio Lower Upper

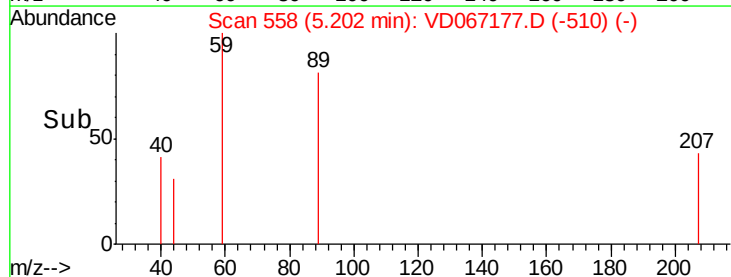
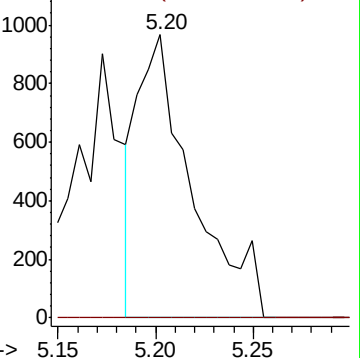
59 100

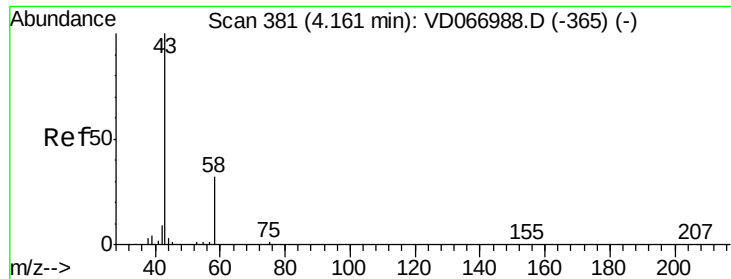
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 13.375 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

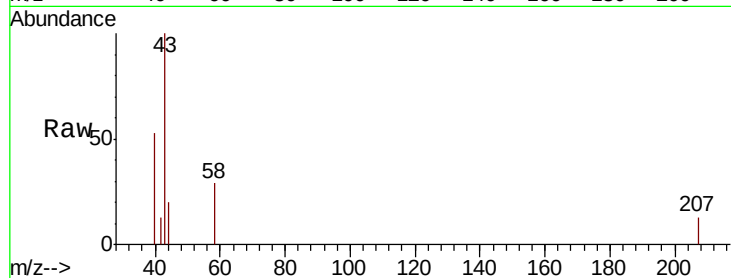
OWLS-HEAD-BH-04-A

Tot Ion: 43 Resp: 7891

Ion Ratio Lower Upper

43 100

58 28.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

3000

2500

2000

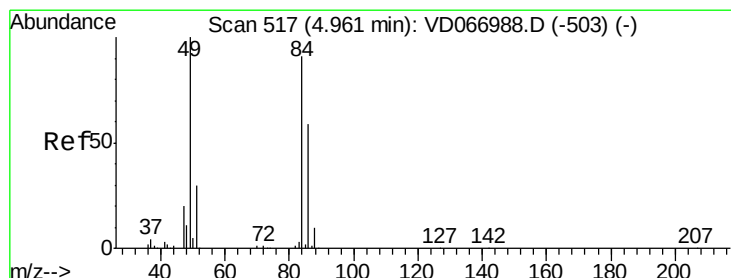
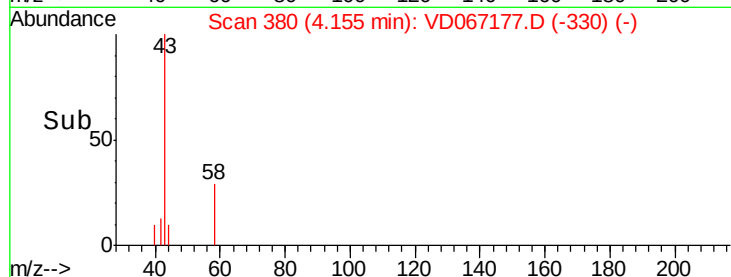
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Tgt Ion: 84 Resp: 17863

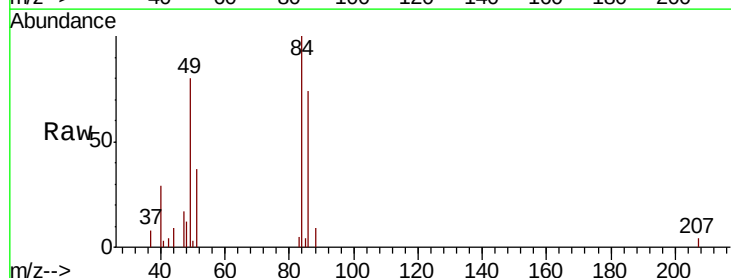
Ion Ratio Lower Upper

84 100

49 80.0 88.2 132.2#

51 36.8 26.6 39.8

86 74.4 52.1 78.1



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

8000

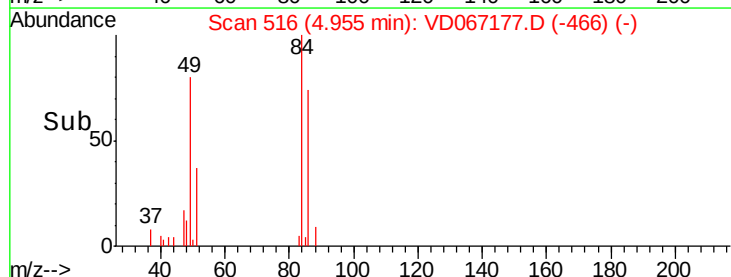
6000

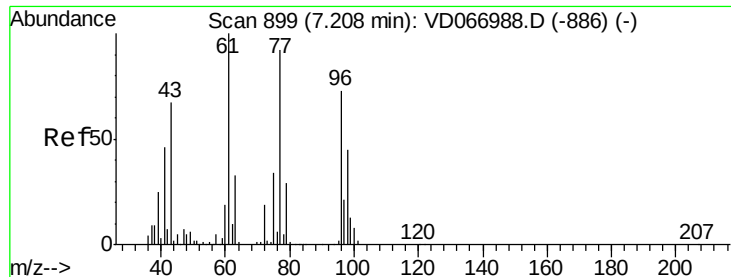
4000

2000

0

Time-->

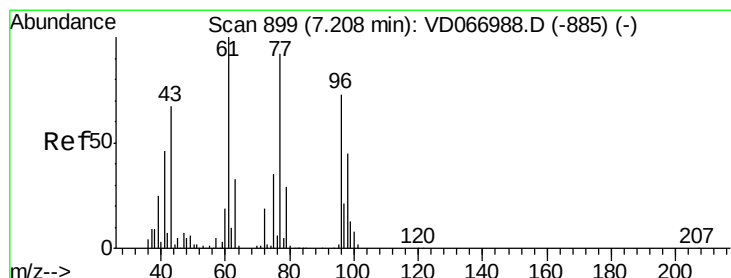
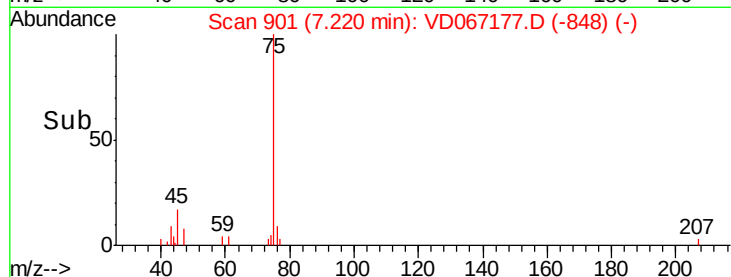
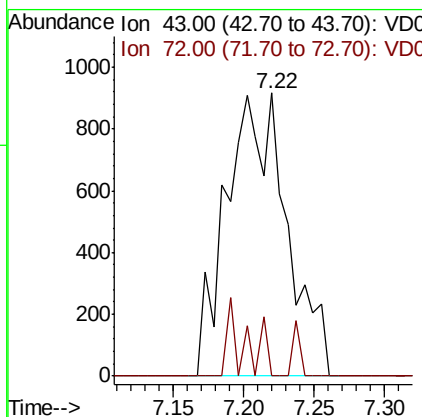
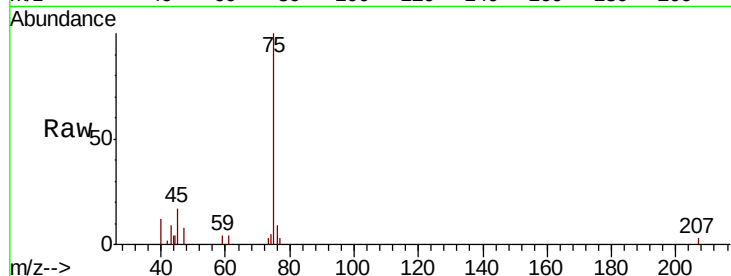




#25
2-Butanone
Concen: 3.261 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

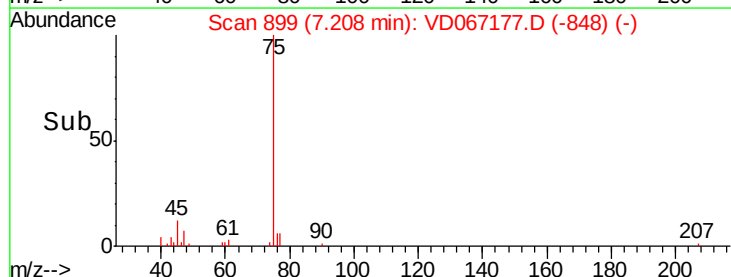
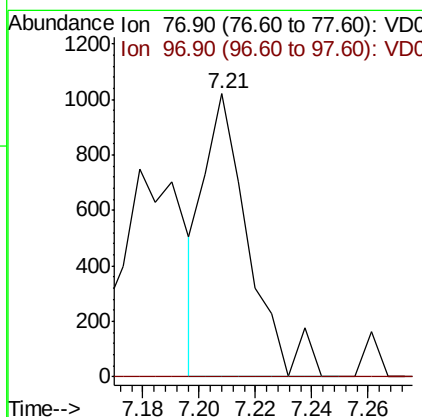
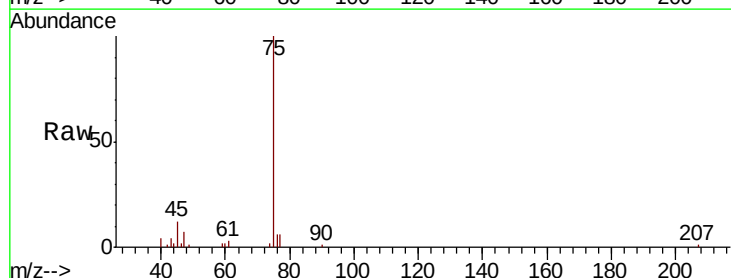
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-04-A

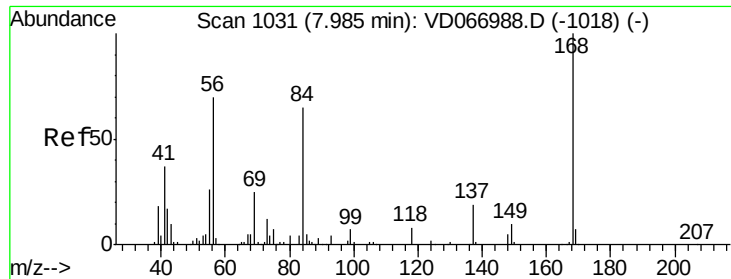
Tot Ion: 43 Resp: 2728
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

Tgt Ion: 77 Resp: 1121
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

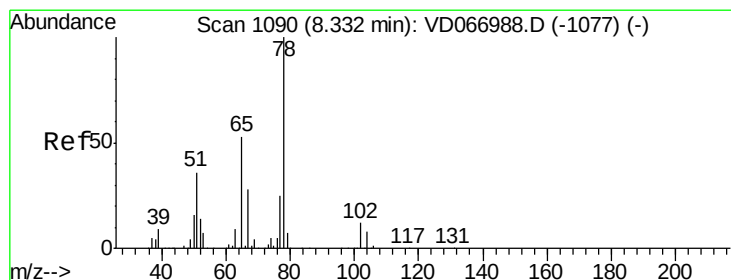
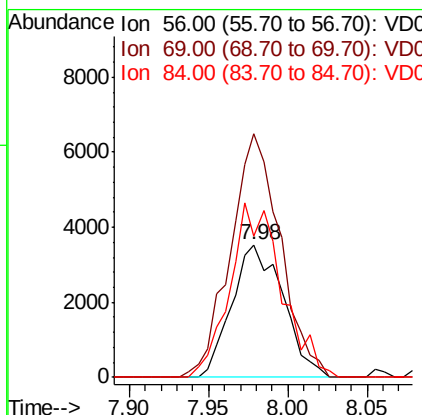
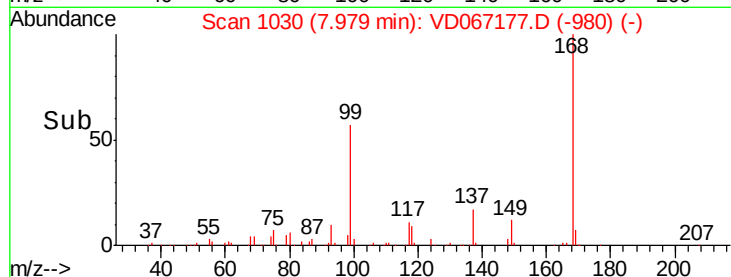
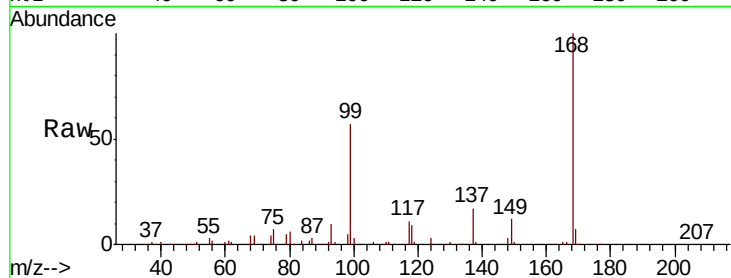




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

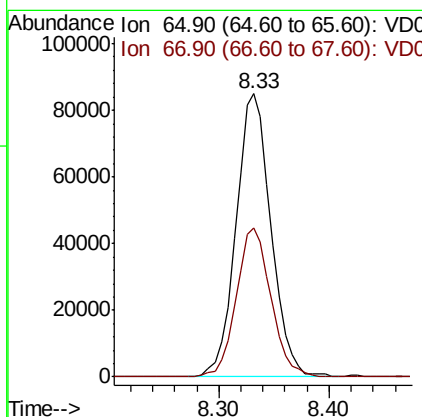
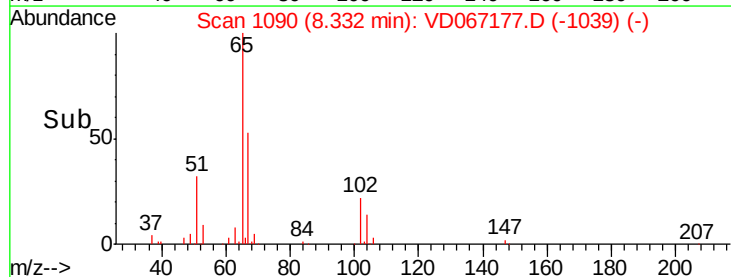
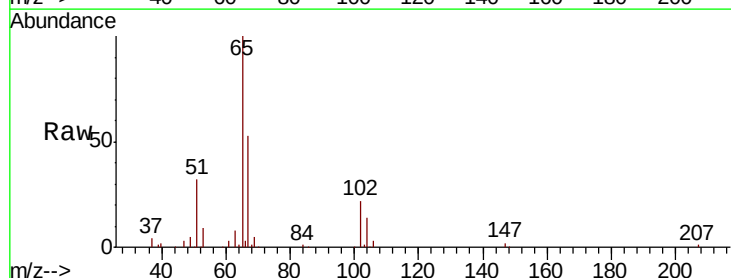
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-04-A

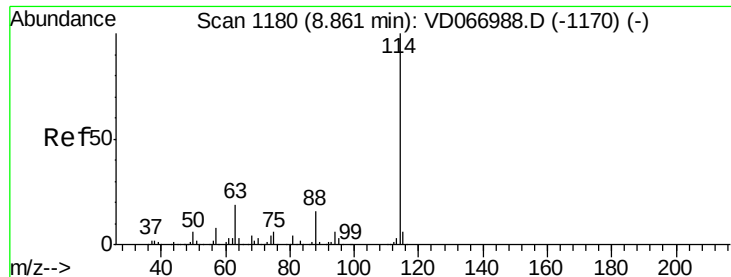
Tot Ion: 56 Resp: 7952
Ion Ratio Lower Upper
56 100
69 184.1 29.0 43.6#
84 106.7 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 48.642 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

Tgt Ion: 65 Resp: 187996
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

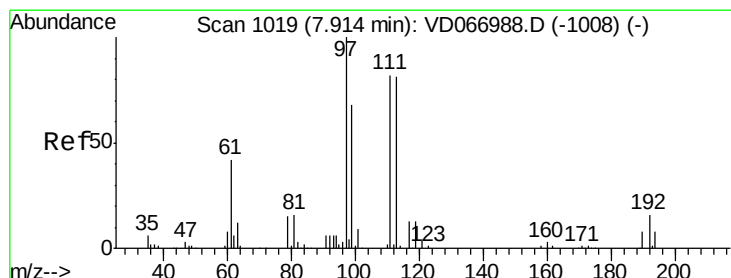
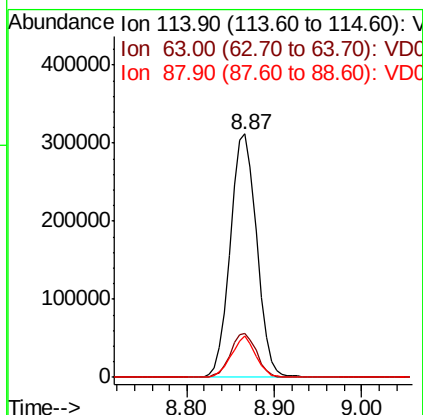
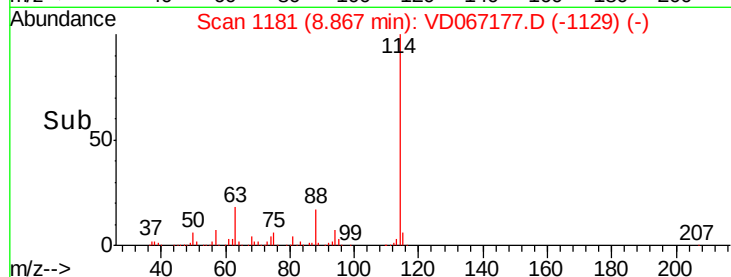
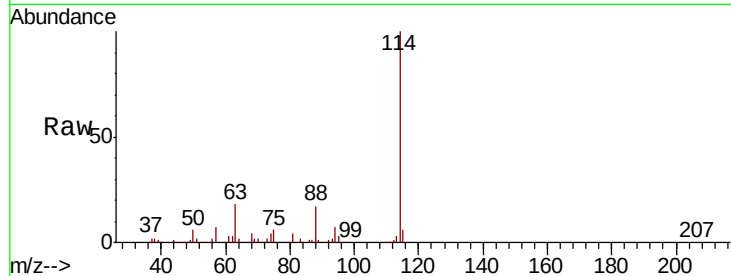




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067177.D
 Acq: 08 Oct 2020 03:53

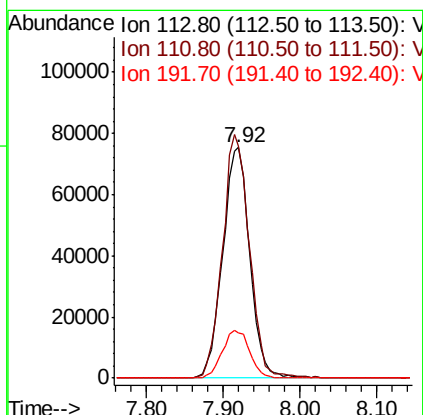
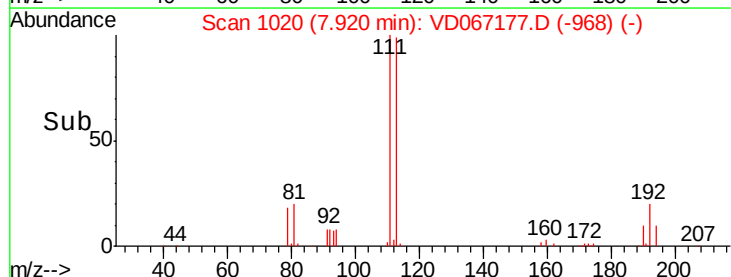
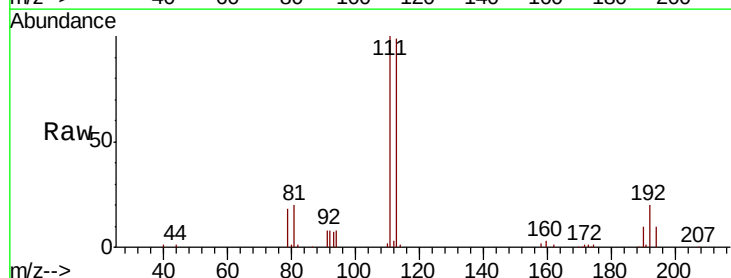
Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-04-A

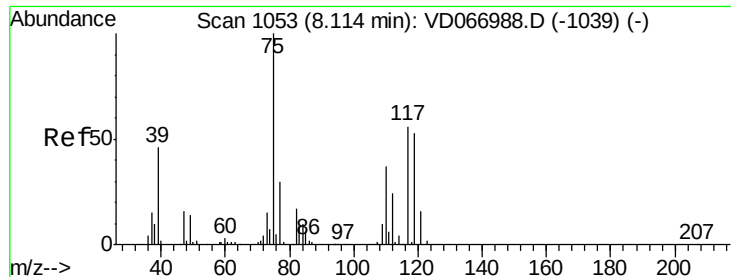
Tot Ion:114 Resp: 639211
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.4
 88 16.9 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 44.122 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067177.D
 Acq: 08 Oct 2020 03:53

Tgt Ion:113 Resp: 184641
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.0 124.4
 192 20.9 15.5 23.3





#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-04-A

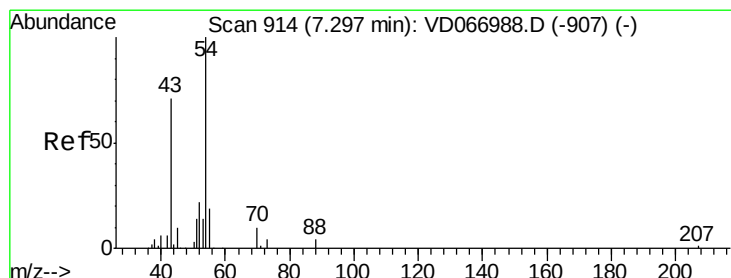
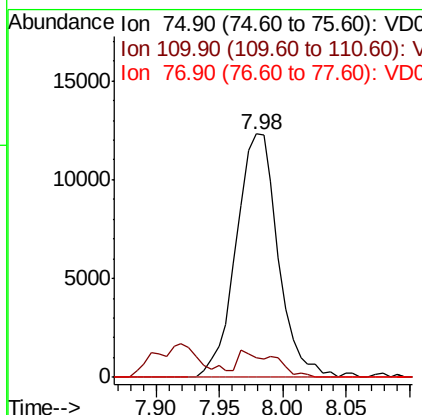
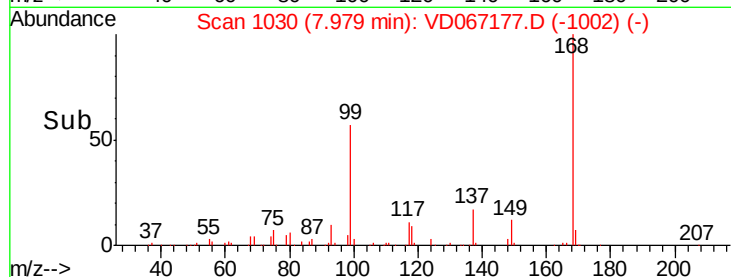
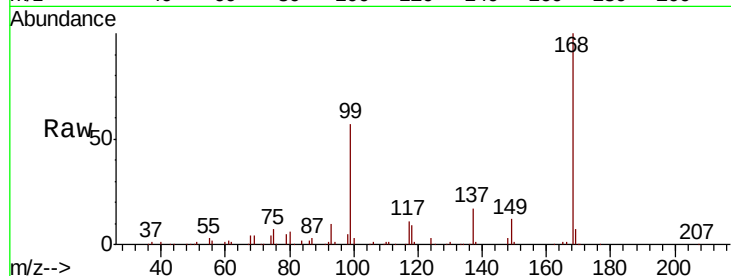
Tot Ion: 75 Resp: 28302

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.0#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.322 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

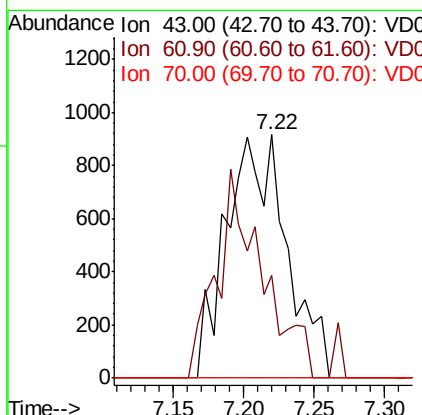
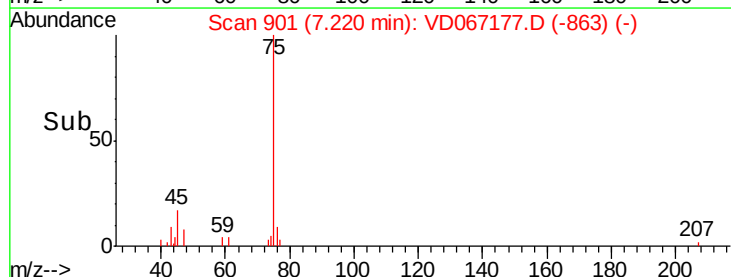
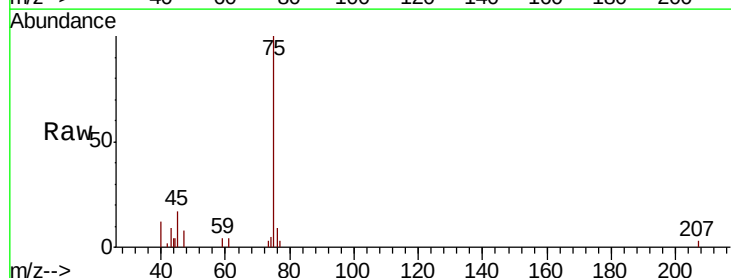
Tgt Ion: 43 Resp: 2728

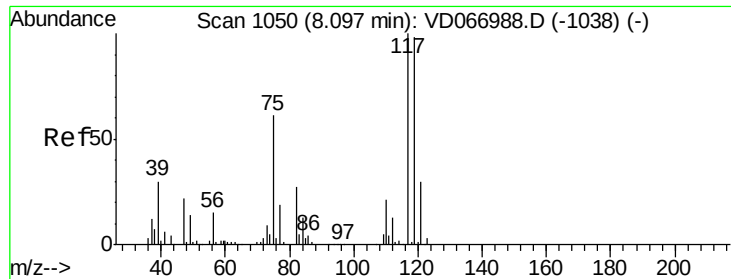
Ion Ratio Lower Upper

43 100

61 0.0 12.5 18.7#

70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.607 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-04-A

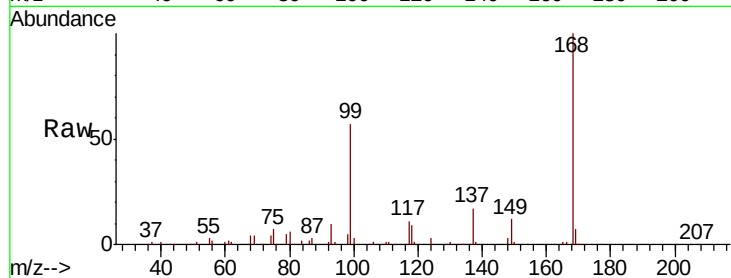
Tot Ion:117 Resp: 42594

Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

121 0.0 24.2 36.2#

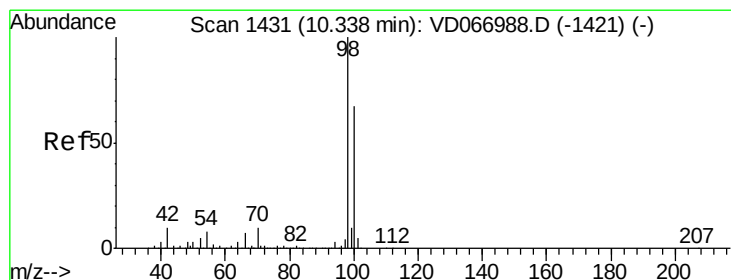
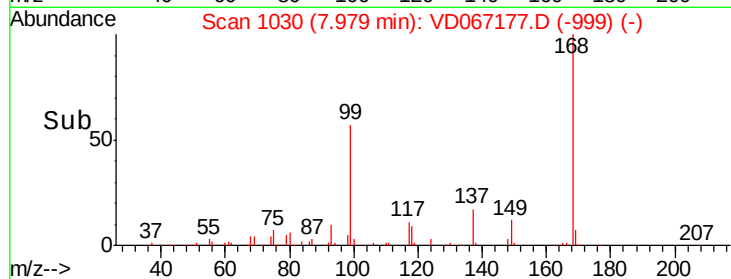
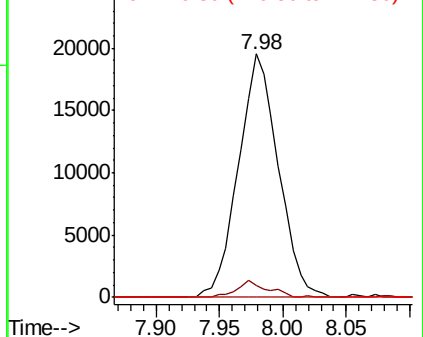


Abundance

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: 49.236 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067177.D

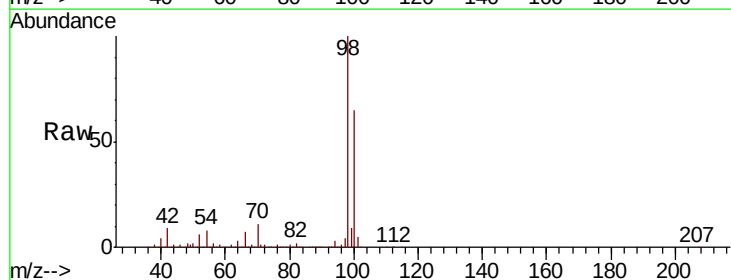
Acq: 08 Oct 2020 03:53

Tgt Ion: 98 Resp: 750788

Ion Ratio Lower Upper

98 100

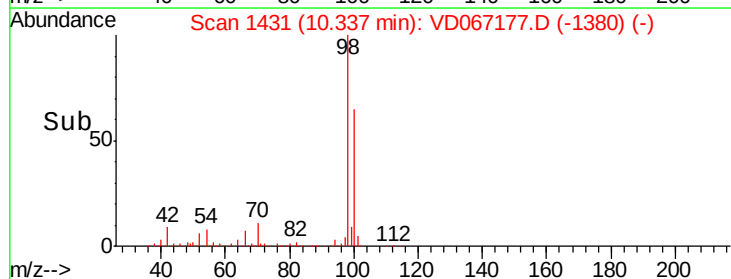
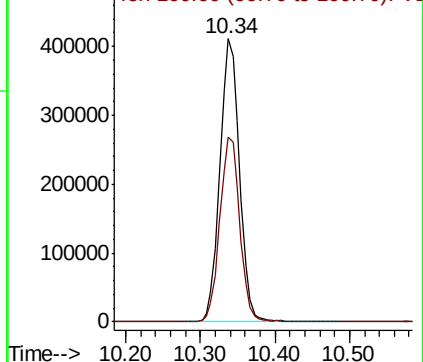
100 66.3 52.8 79.2

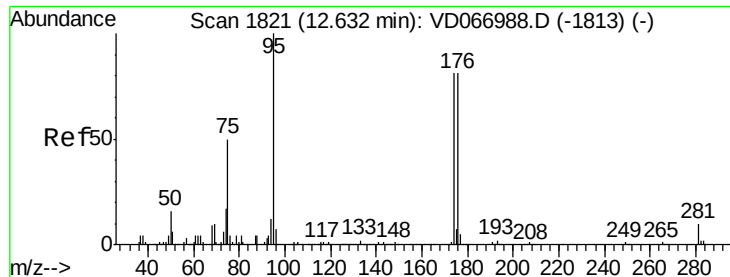


Abundance

Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

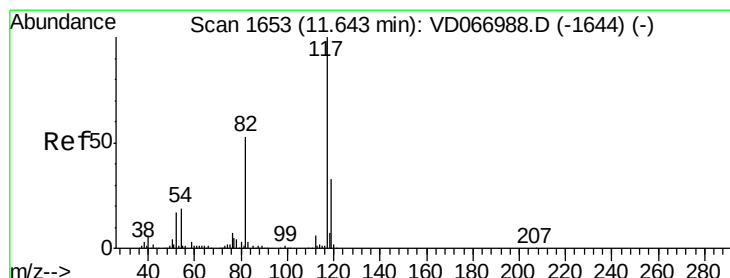
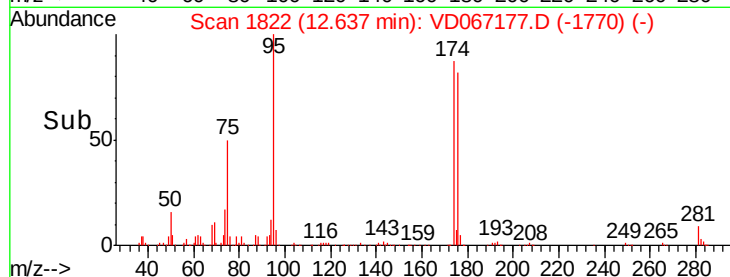
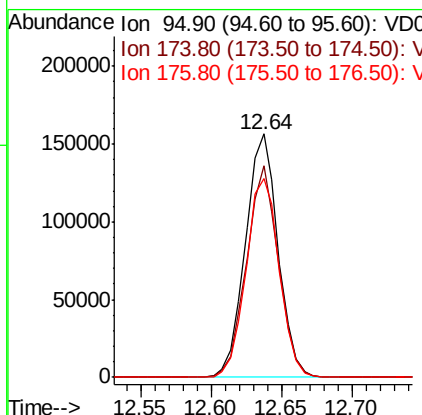
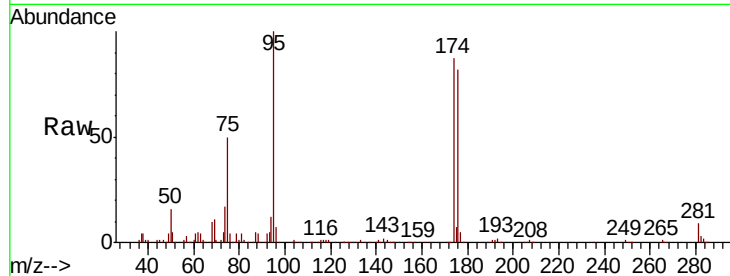




#62
4-Bromofluorobenzene
Concen: 48.968 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

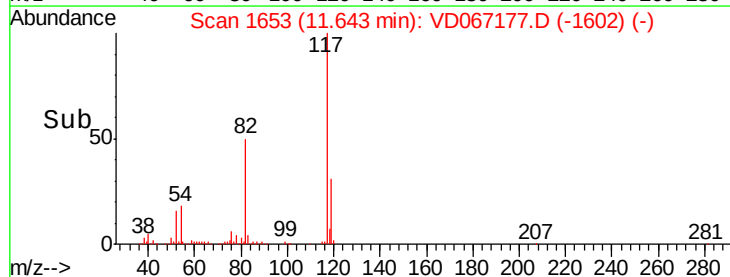
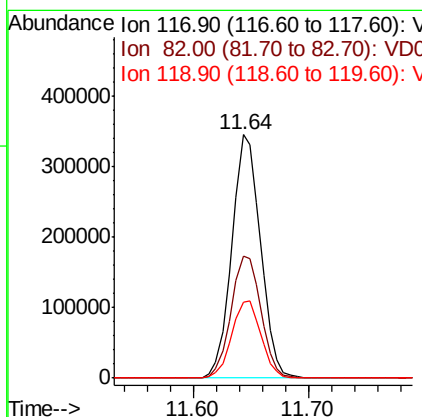
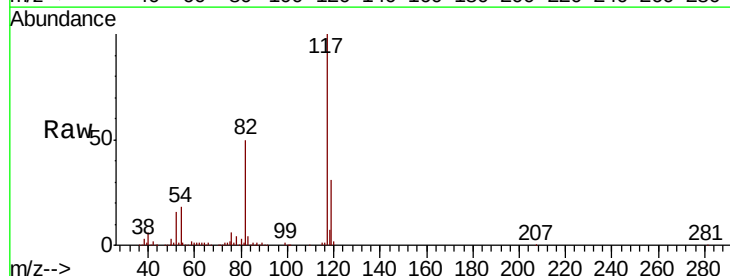
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-04-A

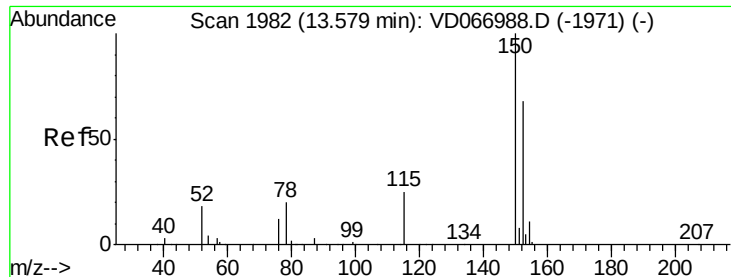
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	167.6
176	83.1	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067177.D
Acq: 08 Oct 2020 03:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.6	63.8
119	31.4	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: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-04-A

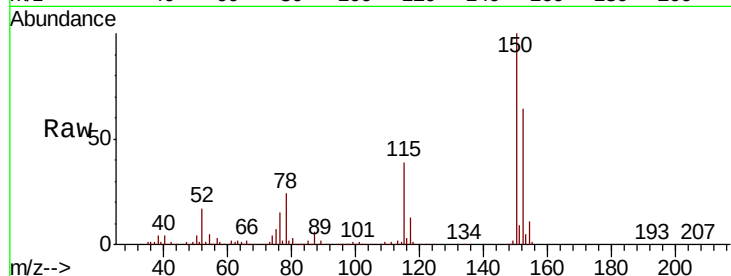
Tot Ion:152 Resp: 282716

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

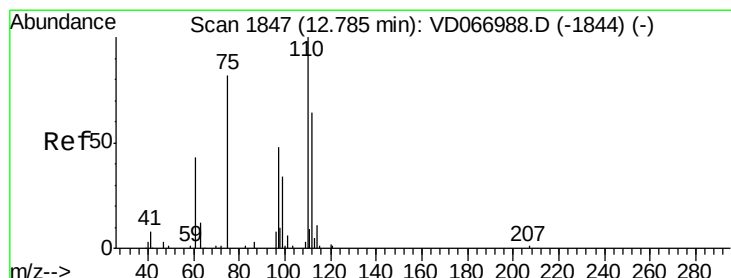
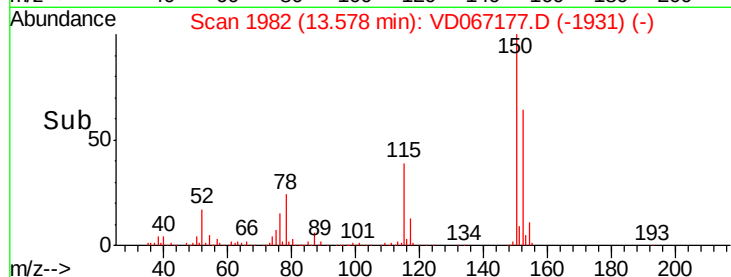
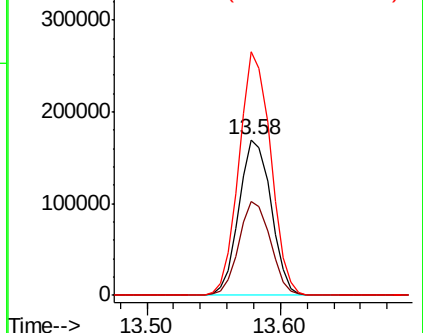
150 154.4 0.0 344.8



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: 51.701 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067177.D

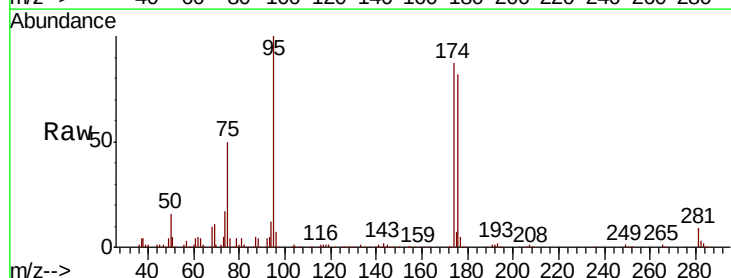
Acq: 08 Oct 2020 03:53

Tgt Ion: 75 Resp: 127317

Ion Ratio Lower Upper

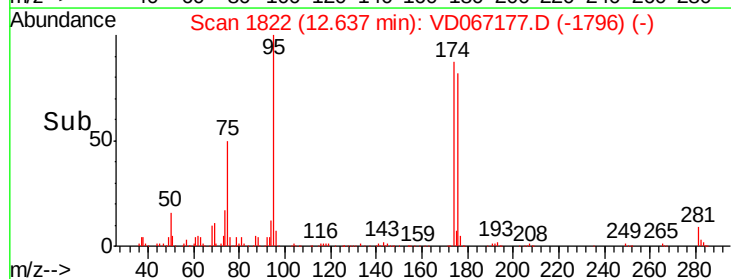
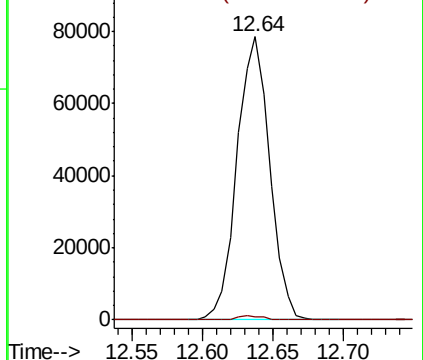
75 100

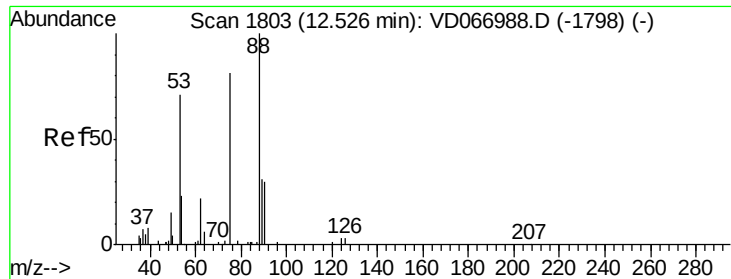
77 1.3 0.0 0.0#



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: 128.898 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067177.D

Acq: 08 Oct 2020 03:53

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-04-A

Tot Ion: 75 Resp: 127317

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.2 38.9 58.3#

