

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067178.D
 Acq On : 08 Oct 2020 04:21
 Operator : VA/SY
 Sample : L4309-04
 Misc : 4.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Oct 08 07:31:06 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	395275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	635036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	586269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280581	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	188646	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	7.92	113	201128	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	730878	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	248500	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

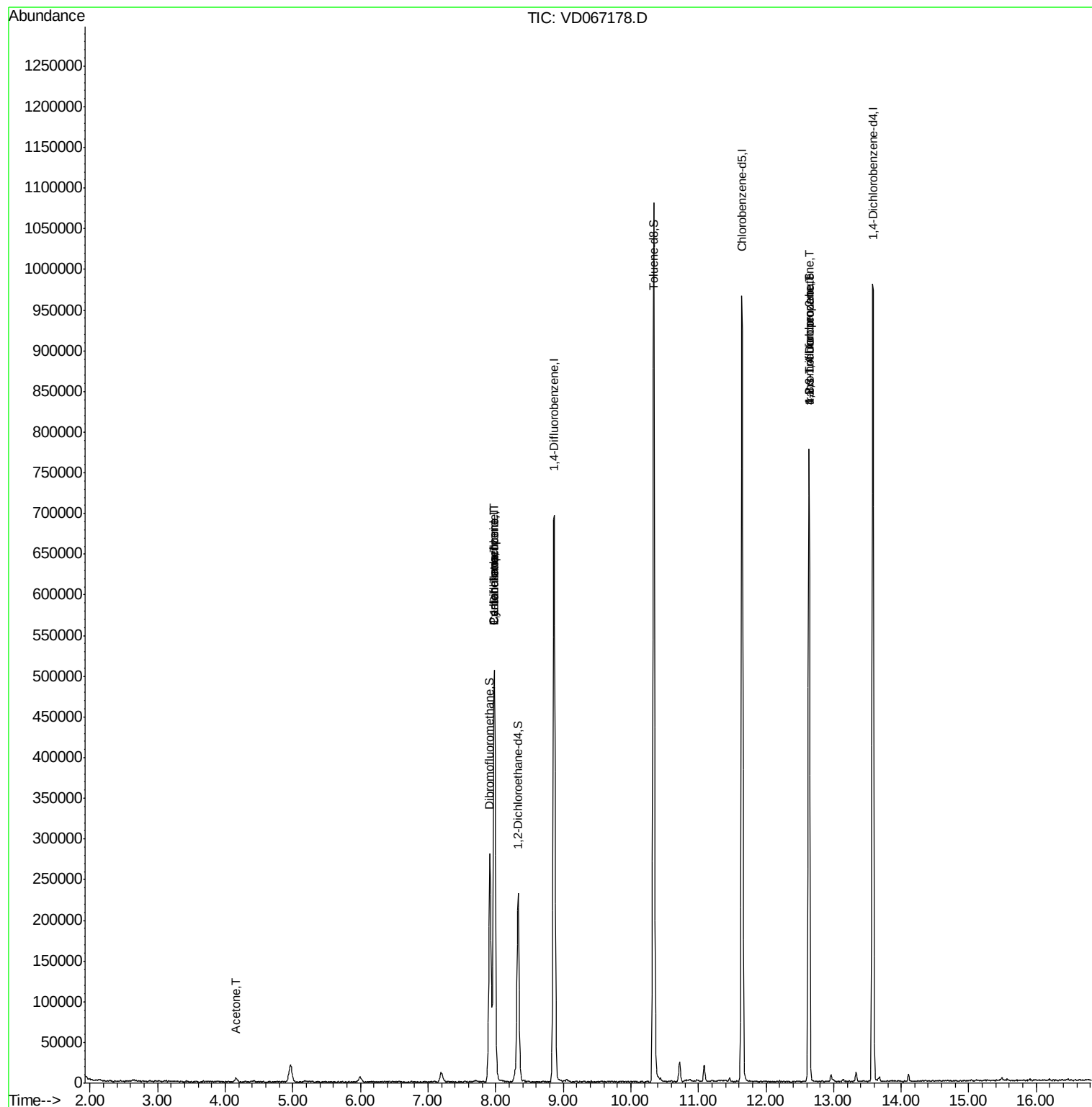
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	301	Below Cal	#	40
5) Bromomethane	2.79	94	236	Below Cal	#	64
11) Tert butyl alcohol	5.19	59	1042	Below Cal	#	72
16) Acetone	4.16	43	7840	13.490	ug/l	97
20) Methylene Chloride	4.96	84	17759	Below Cal	#	87
26) 2,2-Dichloropropane	7.19	77	654	Below Cal	#	53
31) Cyclohexane	7.97	56	8221	1.438	ug/l	# 23
36) 1,1-Dichloropropene	7.98	75	28545	4.822	ug/l	# 41
38) Carbon Tetrachloride	7.98	117	39946	6.237	ug/l	# 15
76) 1,2,3-Trichloropropane	12.64	75	126690	51.838	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	126690	129.239	ug/l	# 12

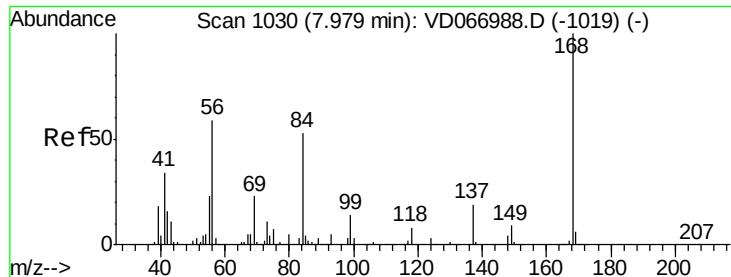
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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ALS Vial : 42 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OWLS-HEAD-BH-04-B

Quant Time: Oct 08 07:31:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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: VD067178.D

Acq: 08 Oct 2020 04:21

Instrument :

MSVOA_D

ClientSampleId :

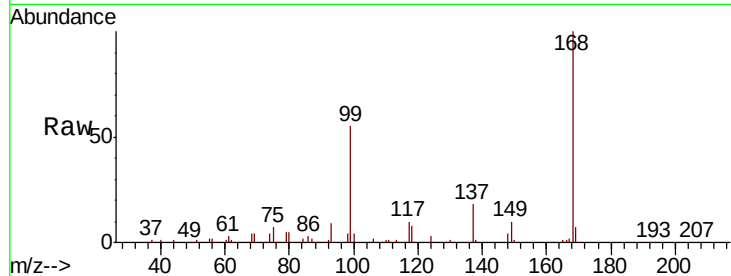
OWLS-HEAD-BH-04-B

Tot Ion:168 Resp: 395275

Ion Ratio Lower Upper

168 100

99 54.8 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

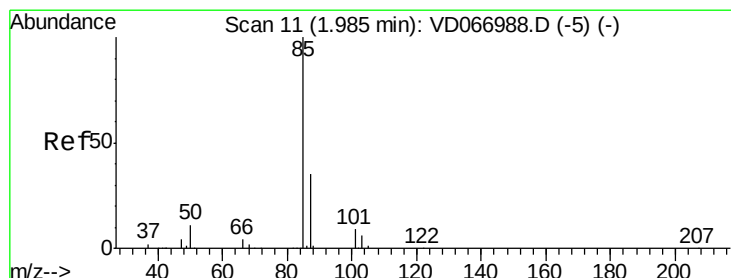
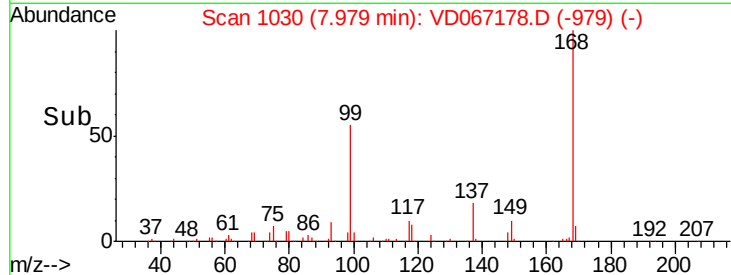
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067178.D

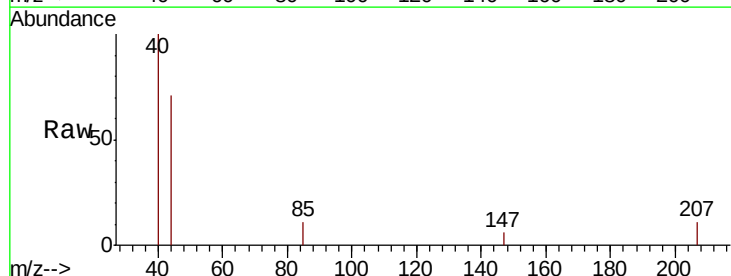
Acq: 08 Oct 2020 04:21

Tgt Ion: 85 Resp: 301

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

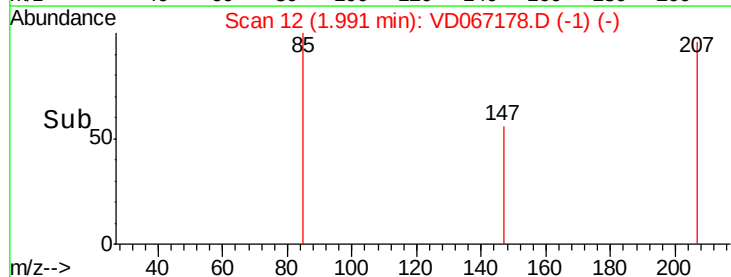
300

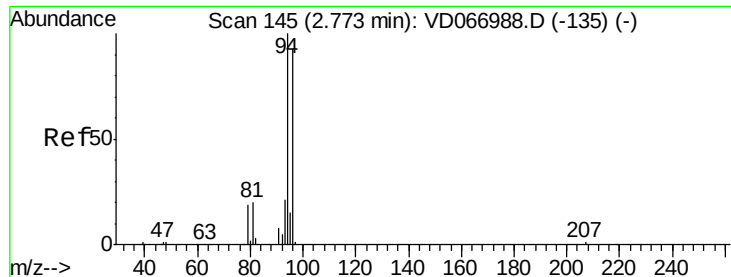
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067178.D

Acq: 08 Oct 2020 04:21

Instrument :

MSVOA_D

ClientSampleId :

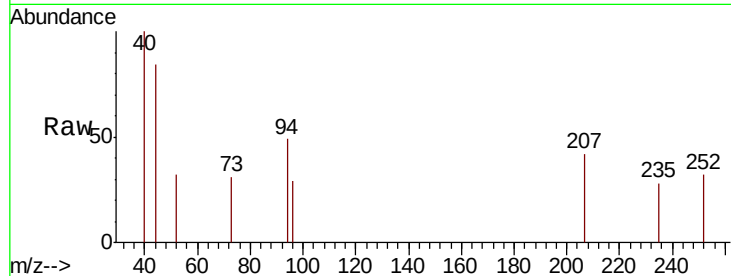
OWLS-HEAD-BH-04-B

Tot Ion: 94 Resp: 236

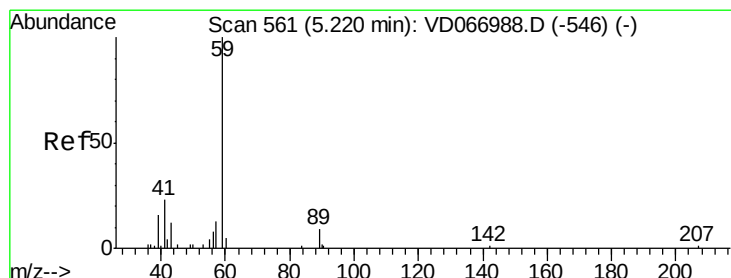
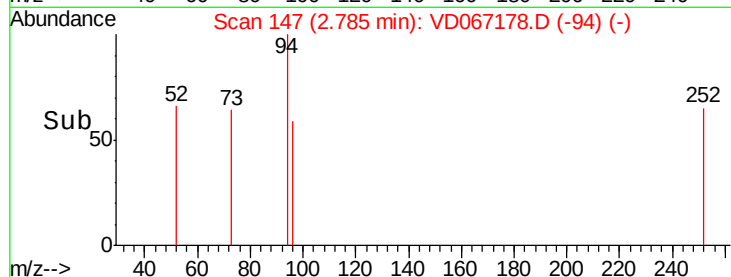
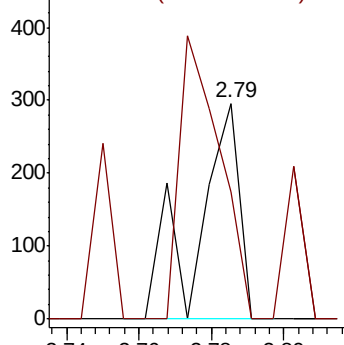
Ion Ratio Lower Upper

94 100

96 58.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067178.D

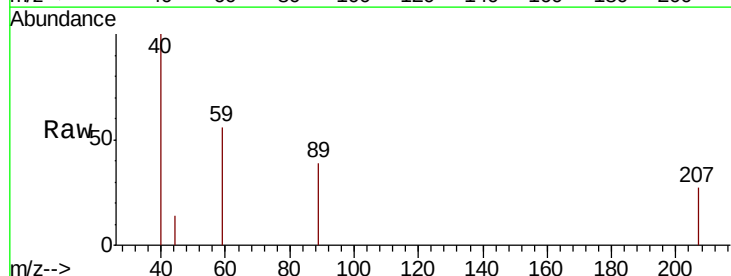
Acq: 08 Oct 2020 04:21

Tgt Ion: 59 Resp: 1042

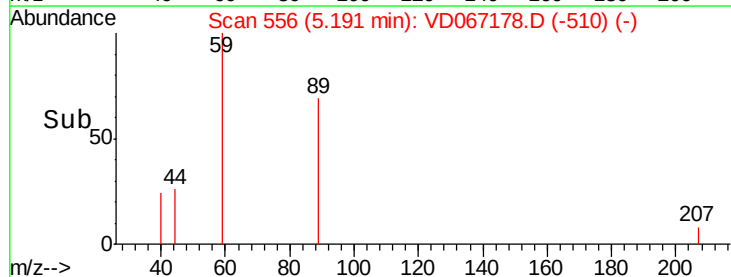
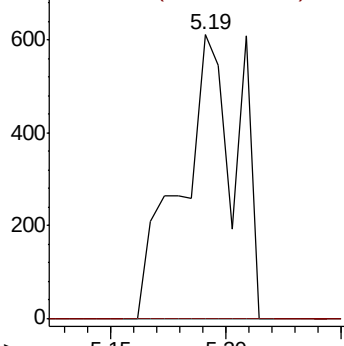
Ion Ratio Lower Upper

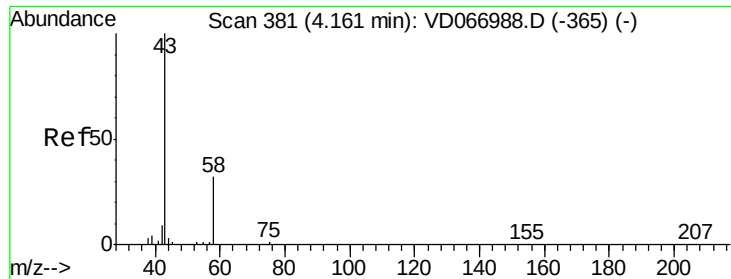
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

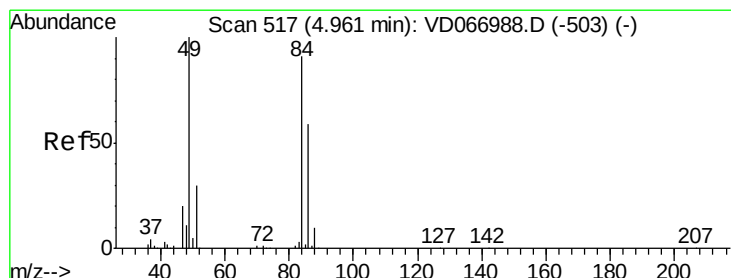
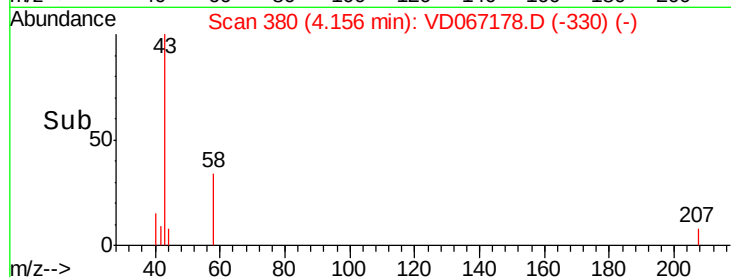
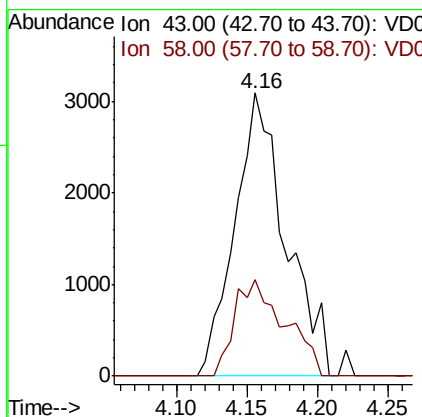
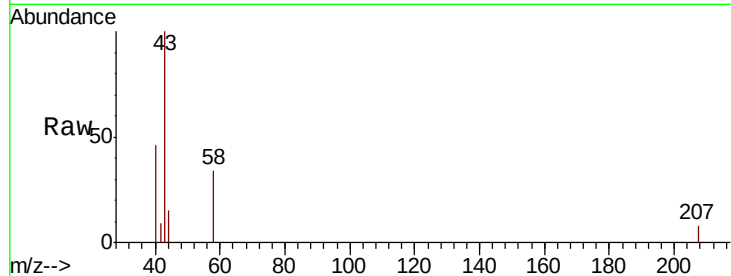




#16
Acetone
Concen: 13.490 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

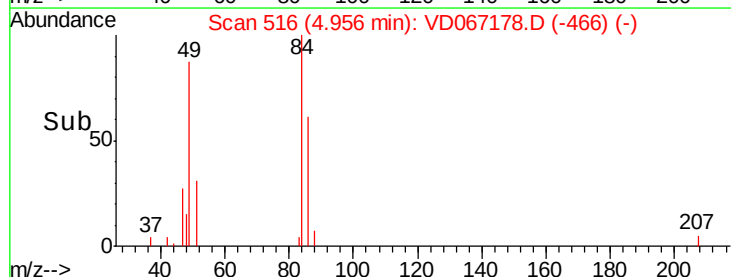
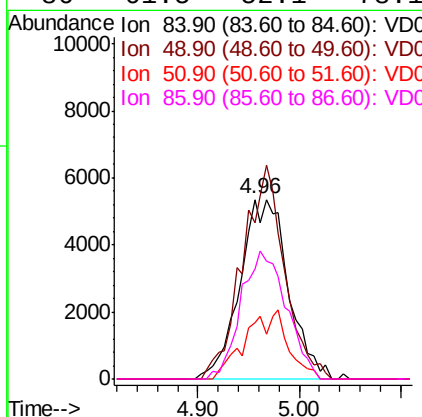
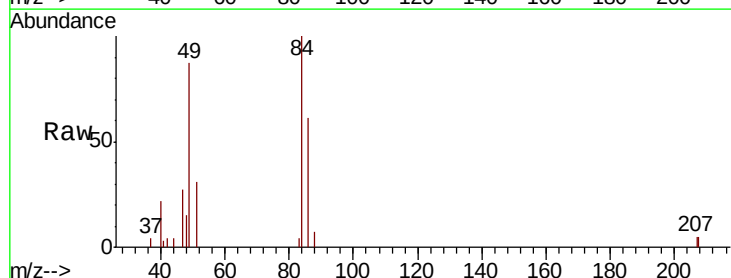
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-04-B

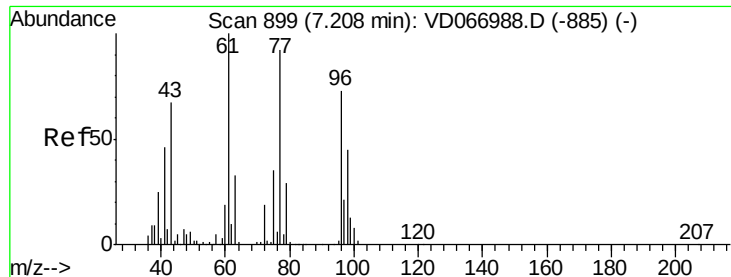
Tot Ion: 43 Resp: 7840
Ion Ratio Lower Upper
43 100
58 34.2 25.9 38.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

Tgt Ion: 84 Resp: 17759
Ion Ratio Lower Upper
84 100
49 87.1 88.2 132.2#
51 31.4 26.6 39.8
86 61.5 52.1 78.1

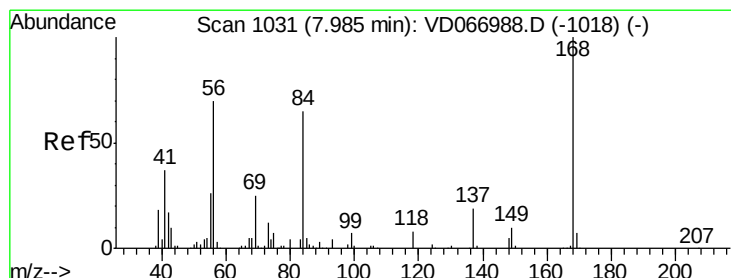
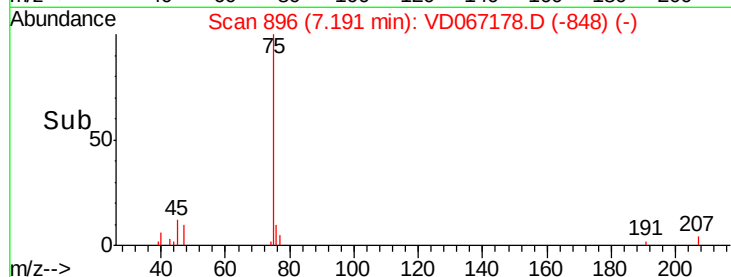
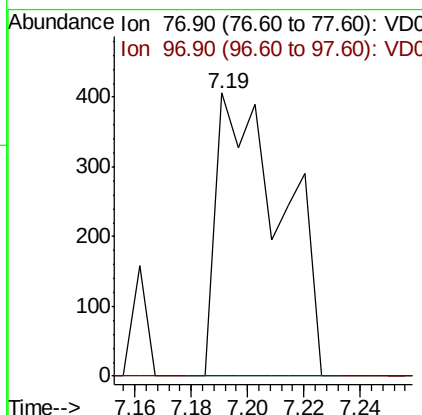
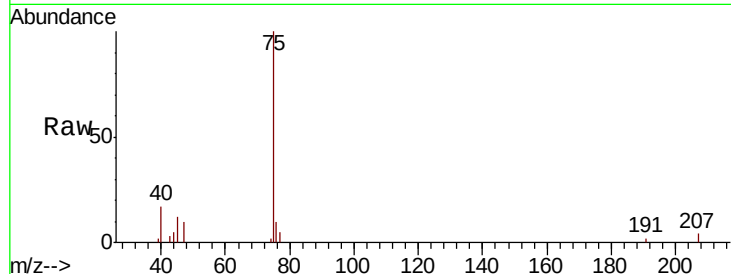




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD067178.D
 Acq: 08 Oct 2020 04:21

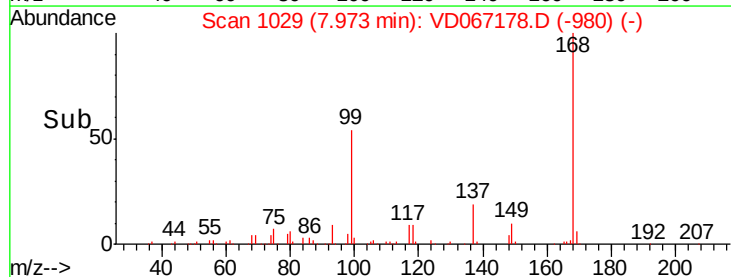
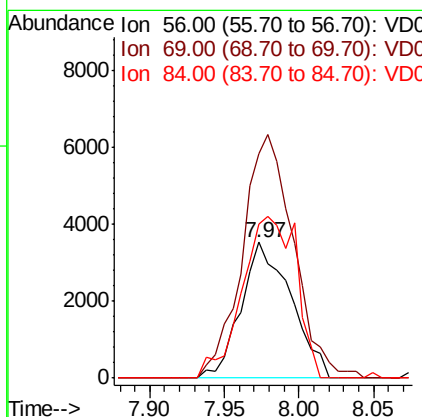
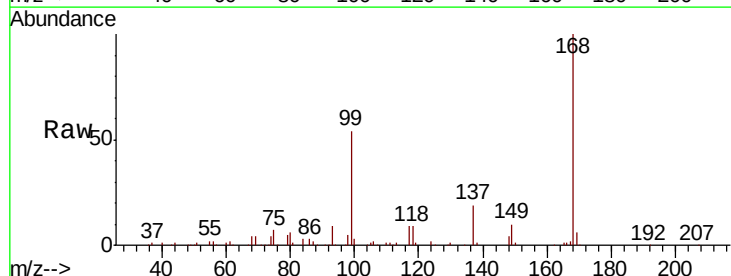
Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-04-B

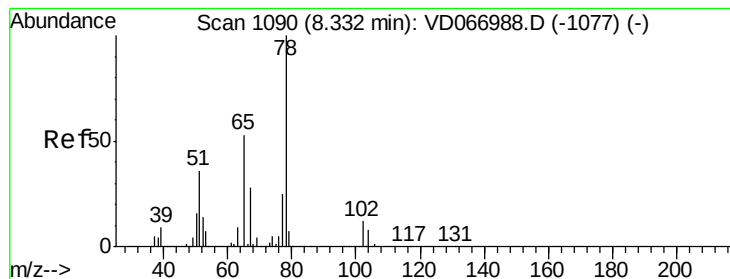
Tot Ion: 77 Resp: 654
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#31
 Cyclohexane
 Concen: 1.438 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VD067178.D
 Acq: 08 Oct 2020 04:21

Tgt Ion: 56 Resp: 8221
 Ion Ratio Lower Upper
 56 100
 69 164.9 29.0 43.6#
 84 113.5 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 49.549 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067178.D

Acq: 08 Oct 2020 04:21

Instrument :

MSVOA_D

ClientSampleId :

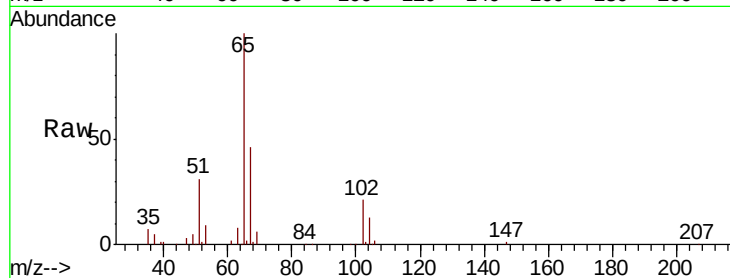
OWLS-HEAD-BH-04-B

Tot Ion: 65 Resp: 188646

Ion Ratio Lower Upper

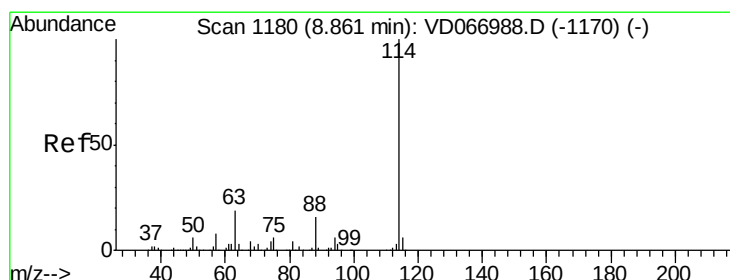
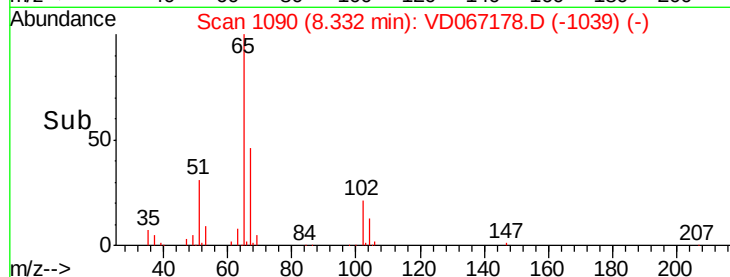
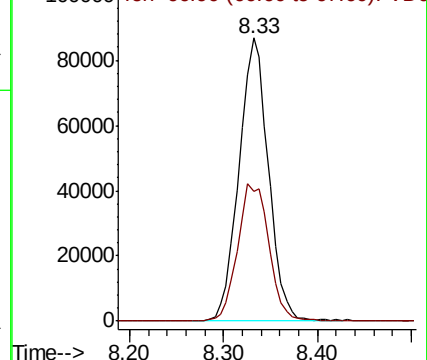
65 100

67 51.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067178.D

Acq: 08 Oct 2020 04:21

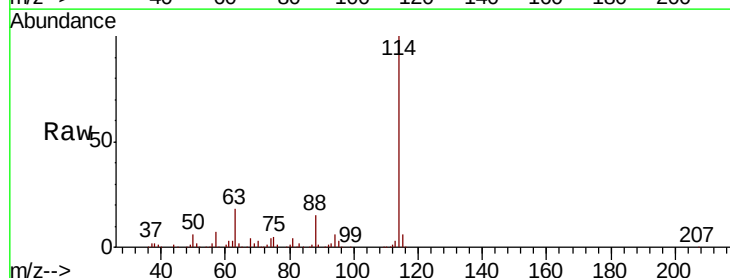
Tgt Ion: 114 Resp: 635036

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

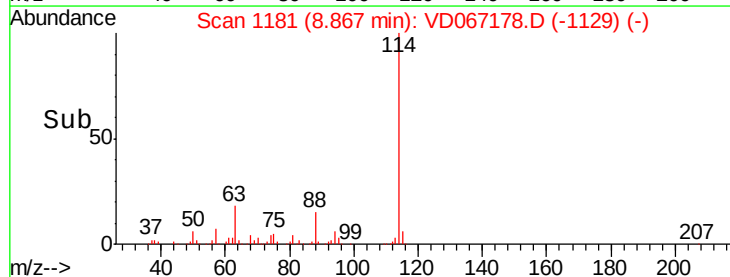
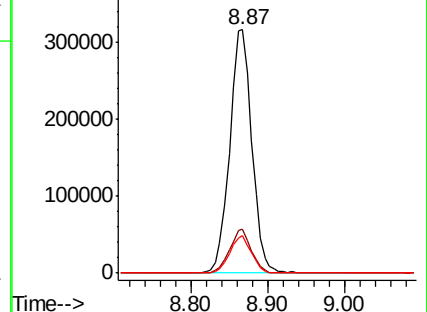
88 15.4 0.0 31.2

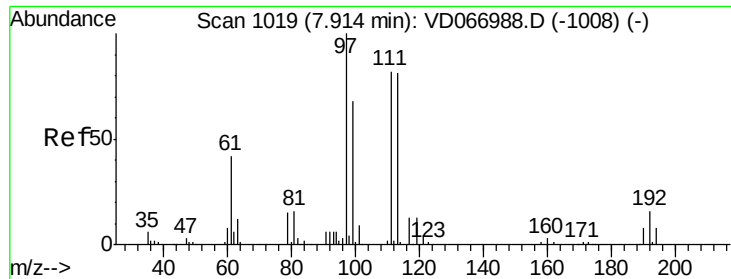


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

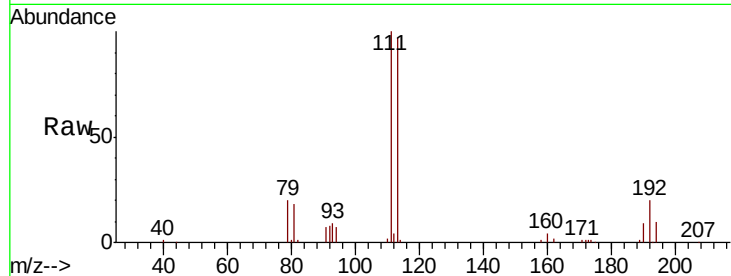




#35
Dibromofluoromethane
Concen: 48.378 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	20.0	15.5	23.3

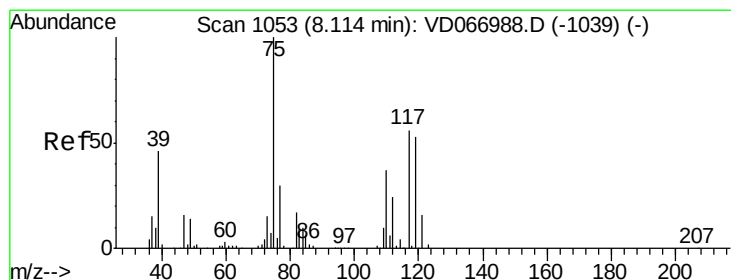
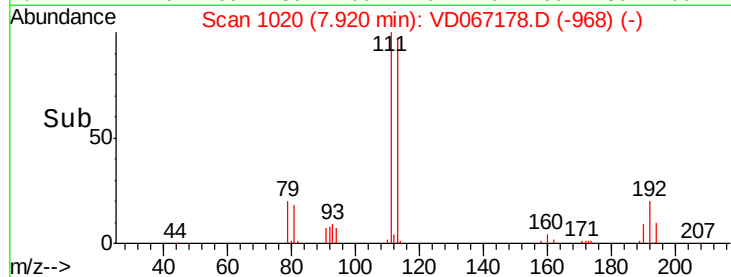
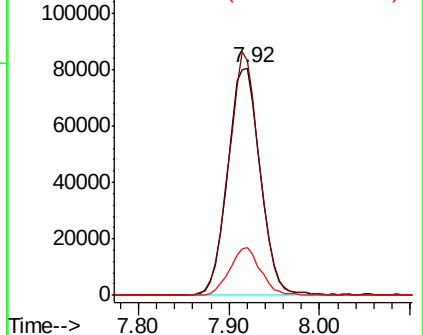


Abundance

Ion 112.80 (112.50 to 113.50): V

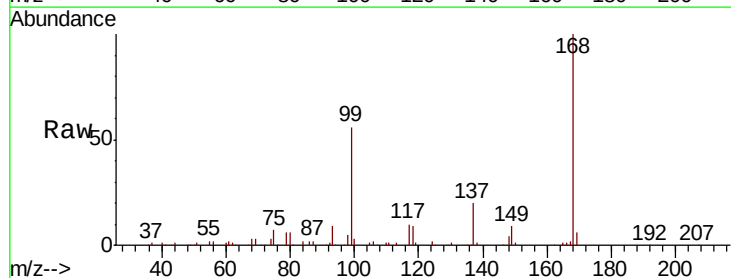
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.4	55.0#
77	0.2	24.8	37.2#

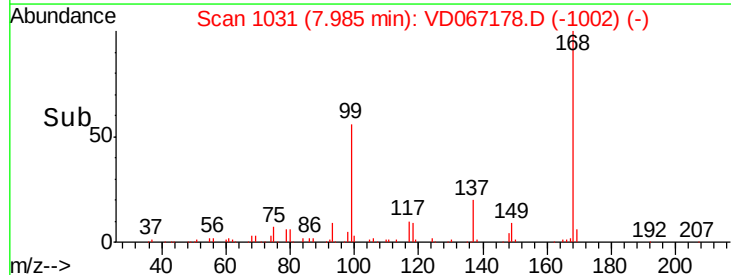
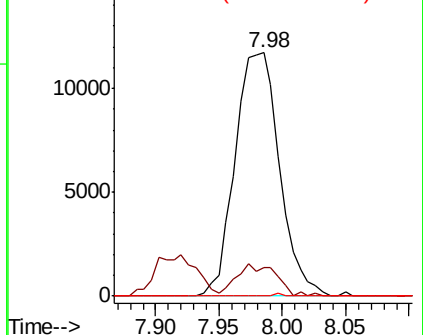


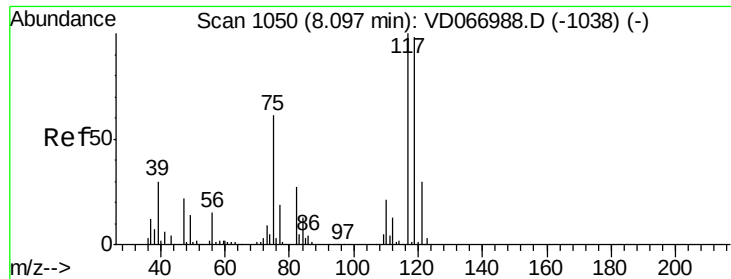
Abundance

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

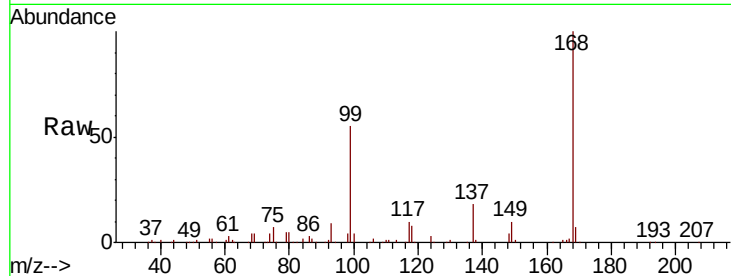




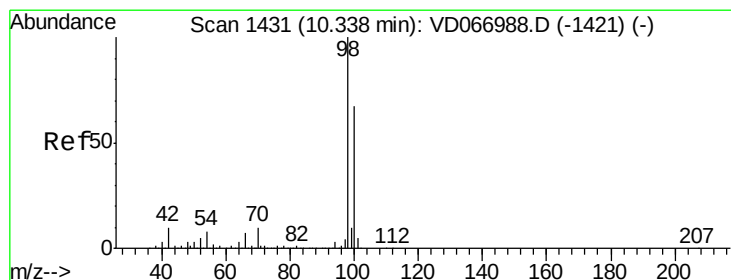
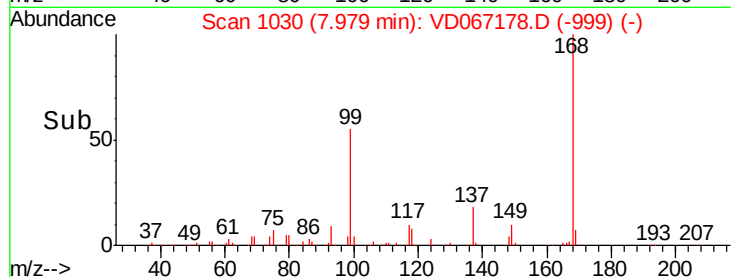
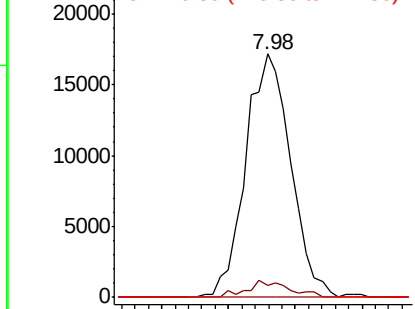
#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

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

Tot Ion:117 Resp: 39946
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.2 36.2#

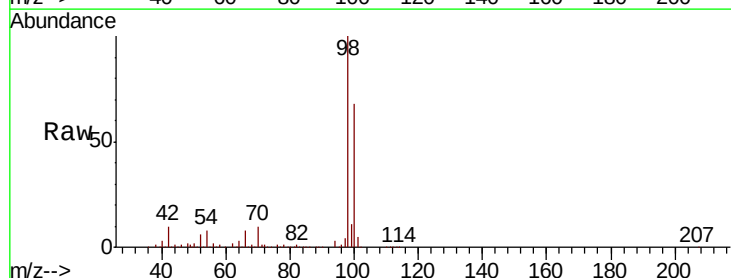


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

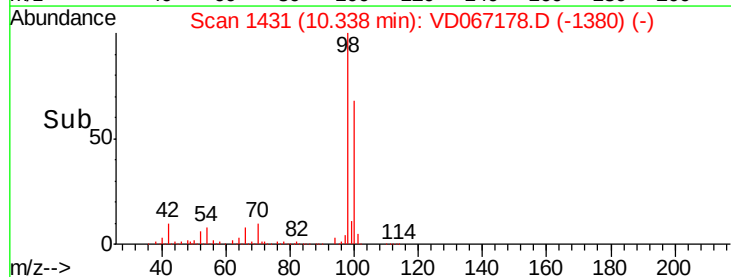
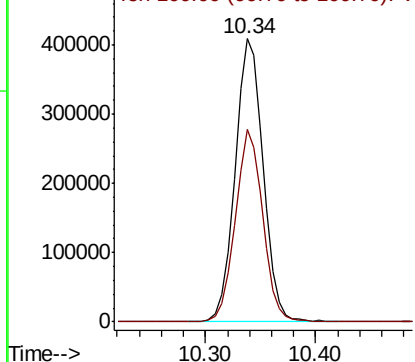


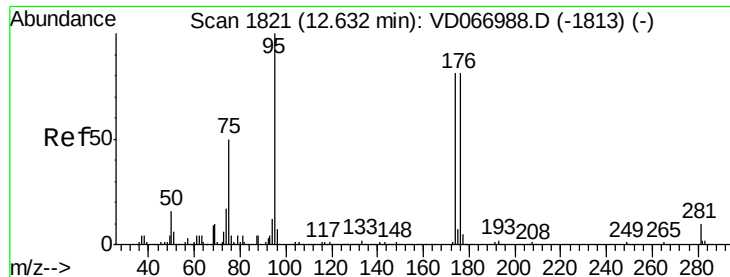
#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

Tgt Ion: 98 Resp: 730878
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

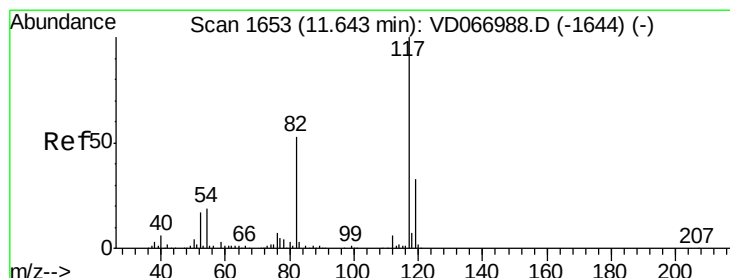
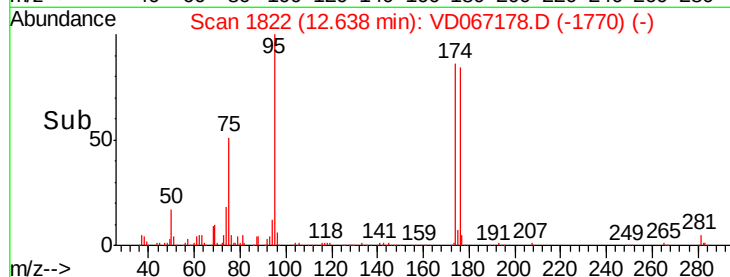
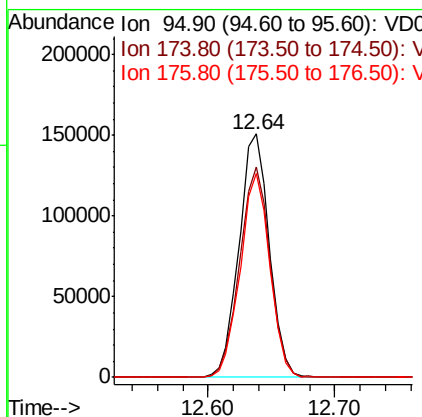
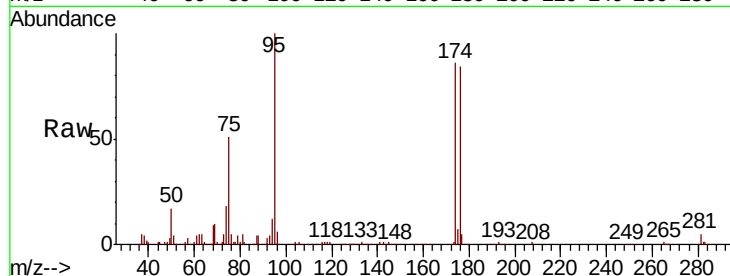




#62
4-Bromofluorobenzene
Concen: 48.320 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

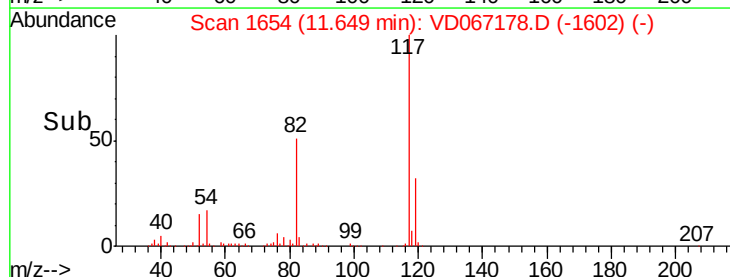
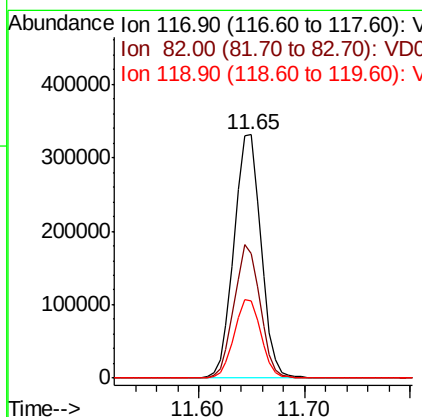
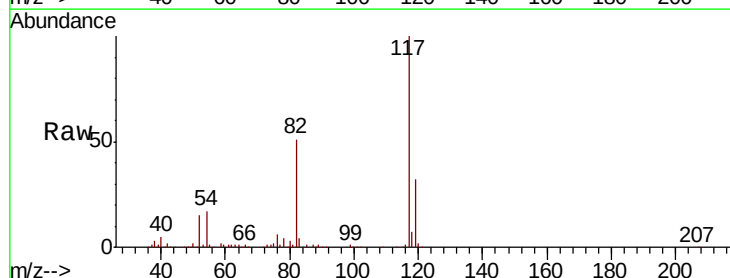
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-04-B

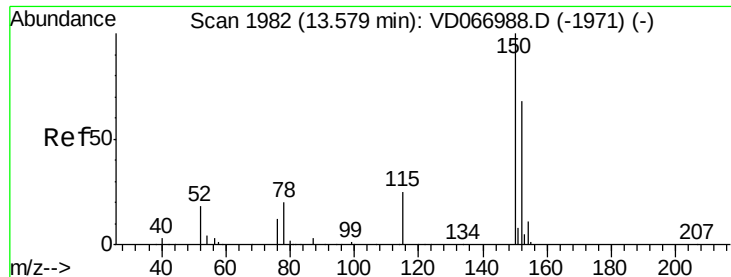
Tot Ion: 95 Resp: 248500
Ion Ratio Lower Upper
95 100
174 86.8 0.0 167.6
176 82.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

Tgt Ion: 117 Resp: 586269
Ion Ratio Lower Upper
117 100
82 51.0 42.6 63.8
119 31.9 26.3 39.5



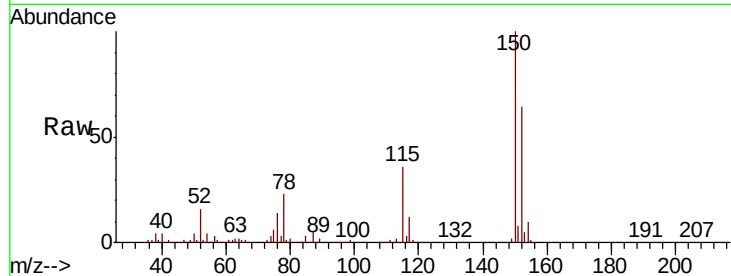


#72

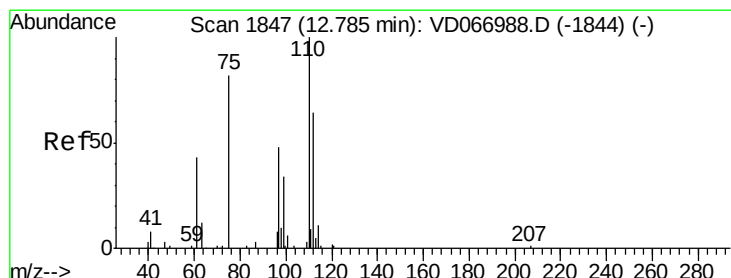
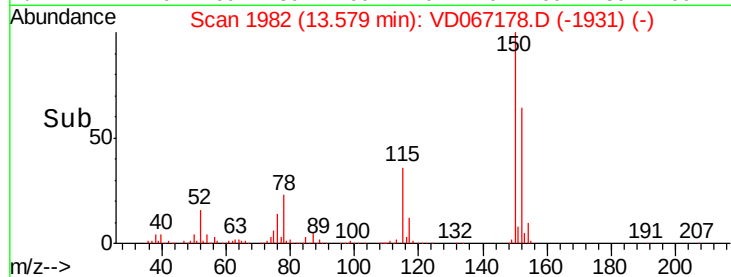
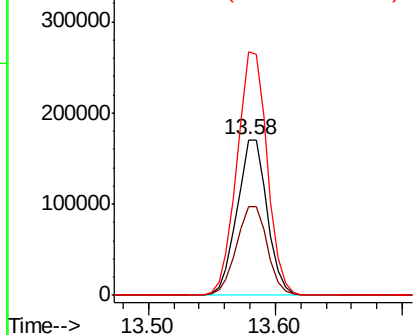
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.6	88.8
150	157.5	0.0	344.8



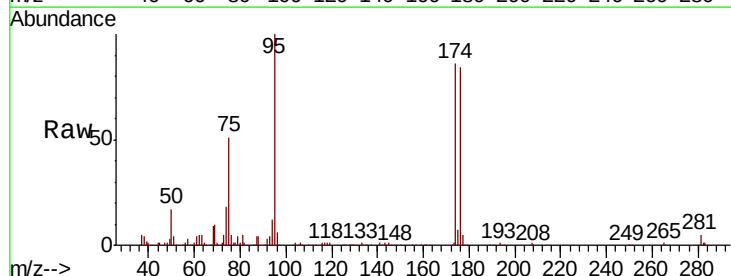
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



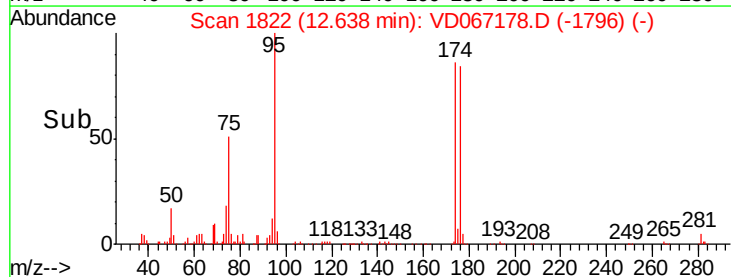
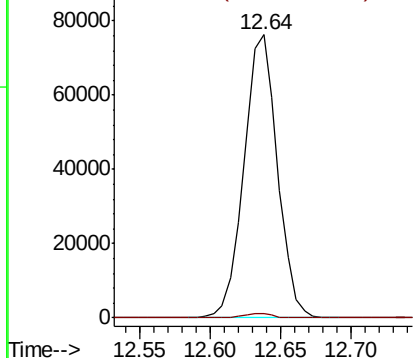
#76

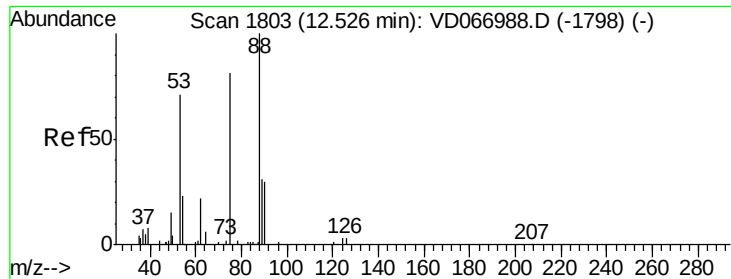
1,2,3-Trichloropropane
Concen: 51.838 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067178.D
Acq: 08 Oct 2020 04:21

Tgt 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: 129.239 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067178.D

Acq: 08 Oct 2020 04:21

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-04-B

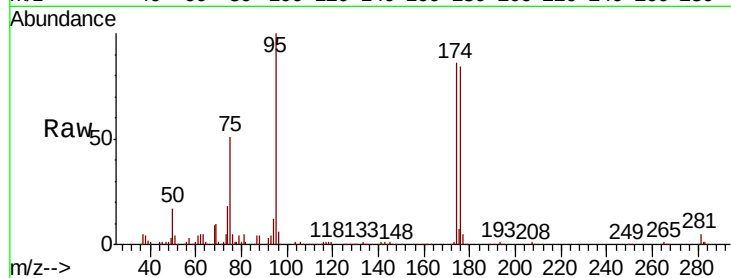
Tot Ion: 75 Resp: 126690

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 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

