

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067179.D
 Acq On : 08 Oct 2020 04:48
 Operator : VA/SY
 Sample : L4309-05
 Misc : 4.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-05-A

Quant Time: Oct 08 07:31:17 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	381246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	601447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	555950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246377	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	186974	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	
35) Dibromofluoromethane	7.91	113	195571	49.67	ug/l	0.00
Spiked Amount						
			Recovery	=	99.34%	
50) Toluene-d8	10.34	98	698115	48.66	ug/l	0.00
Spiked Amount						
			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.64	95	226509	46.50	ug/l	0.00
Spiked Amount						
			Recovery	=	93.00%	

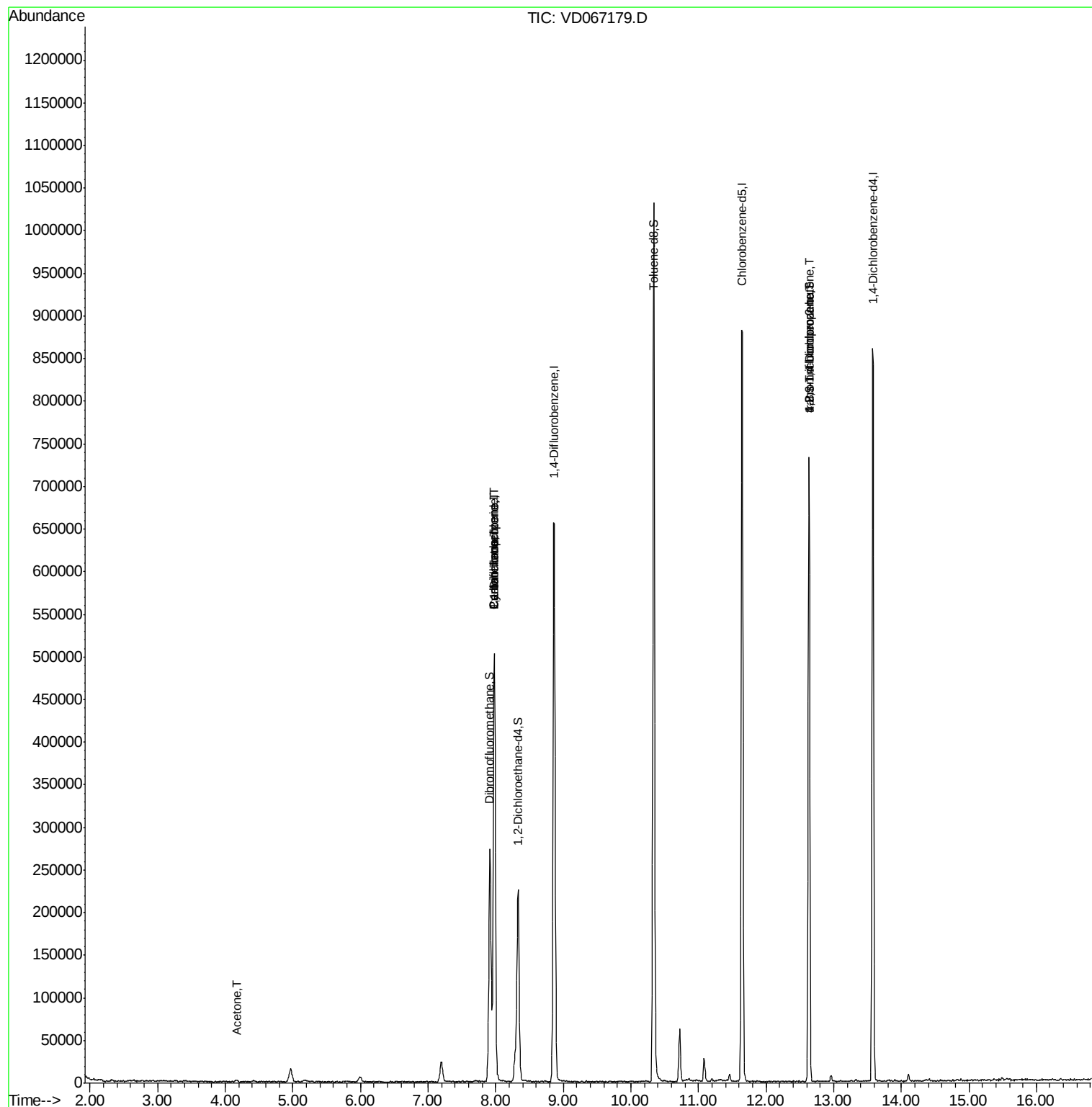
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	474	Below Cal	#	55
5) Bromomethane	2.77	94	87	Below Cal		85
11) Tert butyl alcohol	5.24	59	207	Below Cal	#	72
16) Acetone	4.17	43	3324	5.930	ug/l #	85
20) Methylene Chloride	4.97	84	13539	Below Cal	#	73
26) 2,2-Dichloropropane	7.19	77	784	Below Cal	#	53
31) Cyclohexane	7.98	56	7569	1.372	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	28019	4.998	ug/l #	50
38) Carbon Tetrachloride	7.97	117	38317	6.317	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	114306	53.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	114306	132.794	ug/l #	12

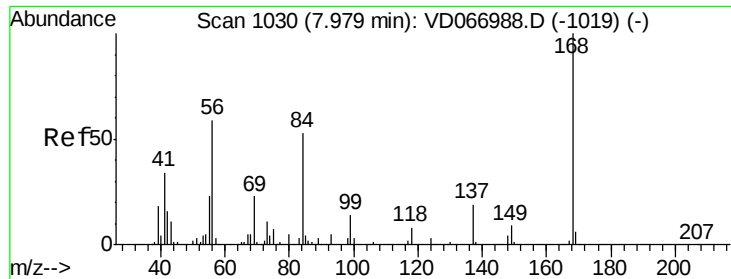
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
Data File : VD067179.D
Acq On : 08 Oct 2020 04:48
Operator : VA/SY
Sample : L4309-05
Misc : 4.82G/5.00ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-A

Quant Time: Oct 08 07:31:17 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: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

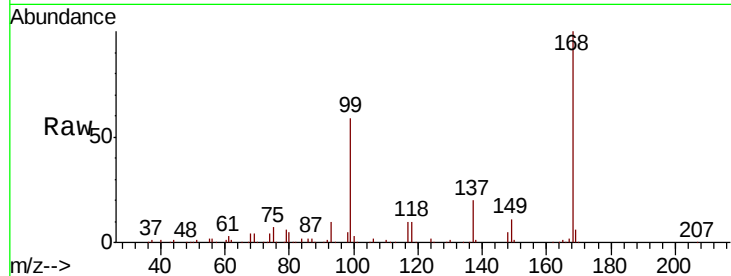
OWLS-HEAD-BH-05-A

Tot Ion:168 Resp: 381246

Ion Ratio Lower Upper

168 100

99 59.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

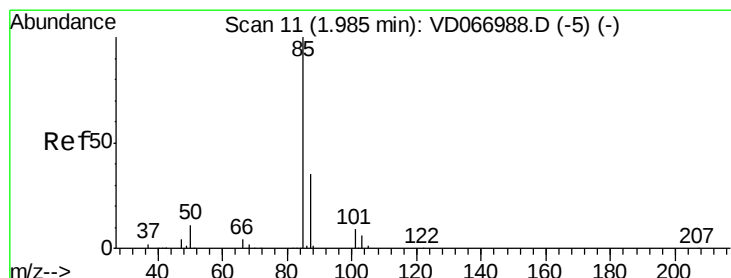
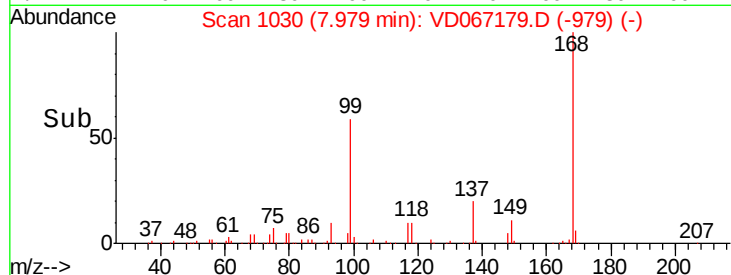
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067179.D

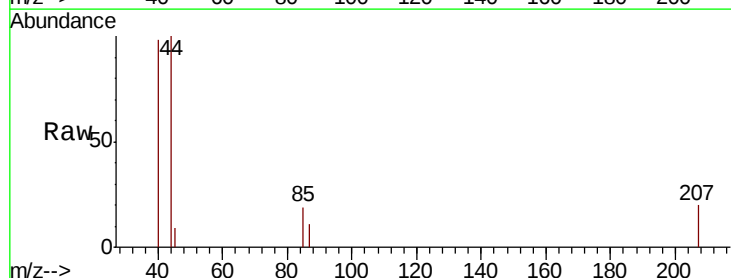
Acq: 08 Oct 2020 04:48

Tgt Ion: 85 Resp: 474

Ion Ratio Lower Upper

85 100

87 60.7 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

400

300

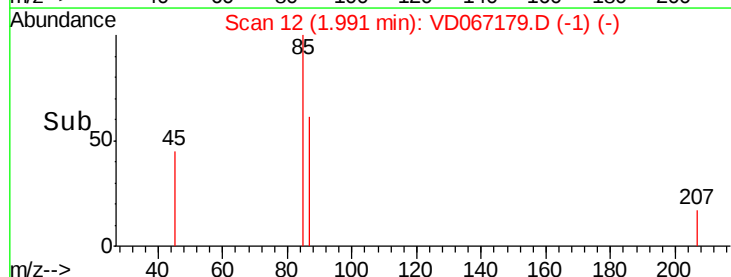
200

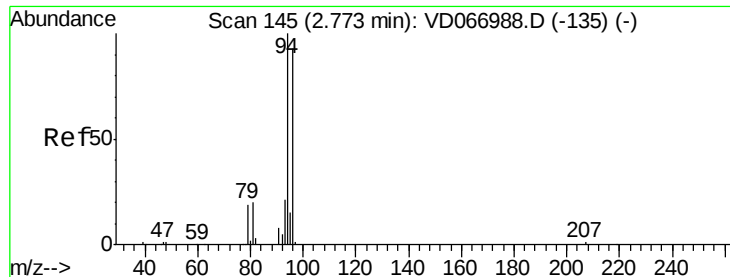
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

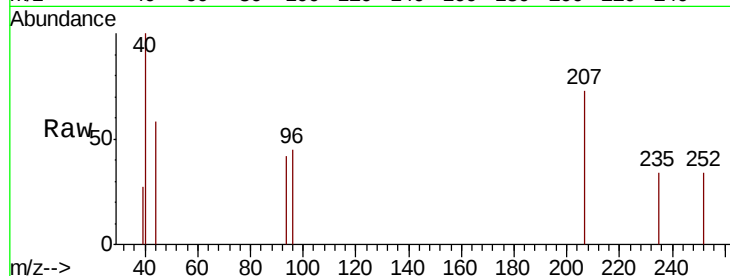
OWLS-HEAD-BH-05-A

Tot Ion: 94 Resp: 87

Ion Ratio Lower Upper

94 100

96 108.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

2.77

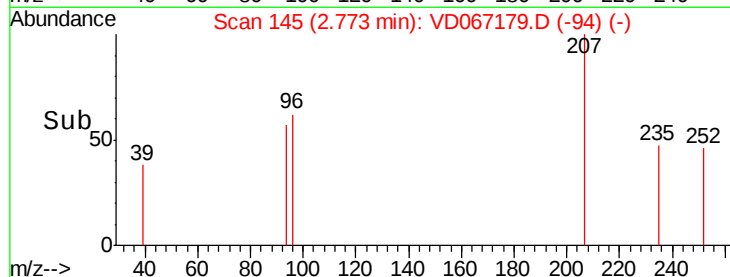
2.77

2.77

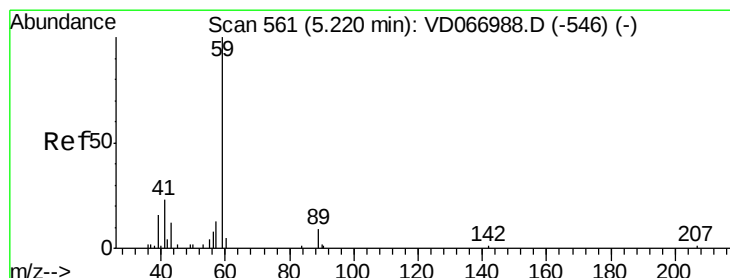
2.77

2.77

2.77



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD067179.D

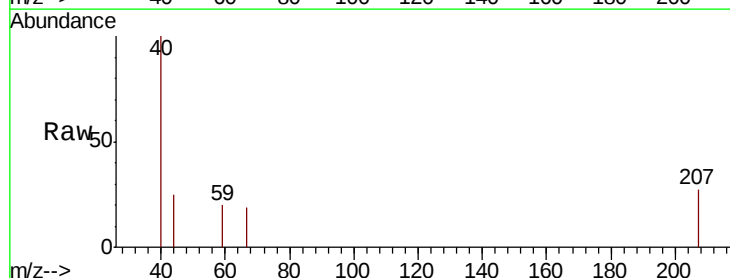
Acq: 08 Oct 2020 04:48

Tgt Ion: 59 Resp: 207

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

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

5.24

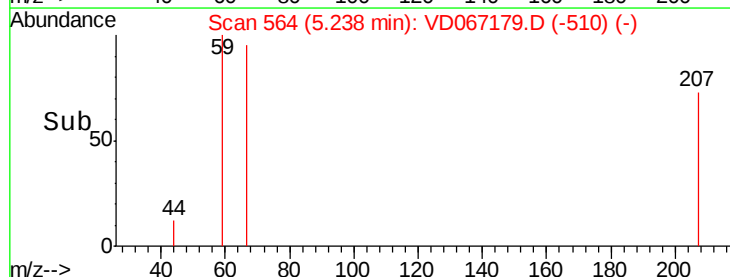
5.24

5.24

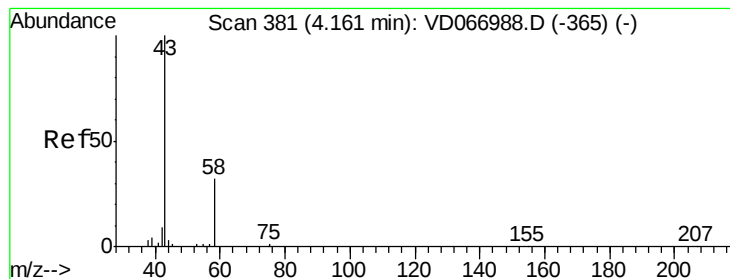
5.24

5.24

5.24



Time-->



#16

Acetone

Concen: 5.930 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

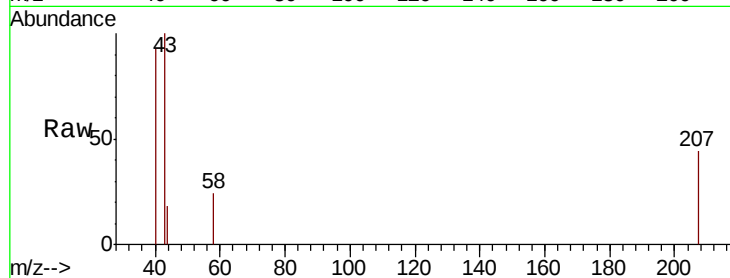
OWLS-HEAD-BH-05-A

Tot Ion: 43 Resp: 3324

Ion Ratio Lower Upper

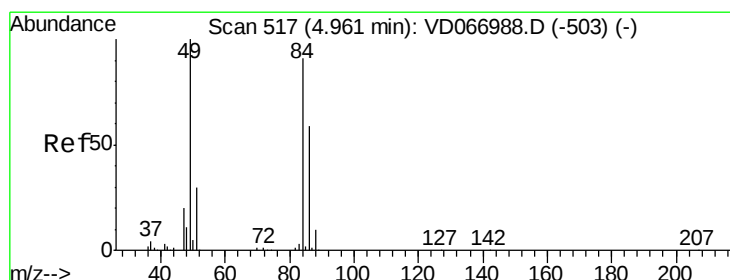
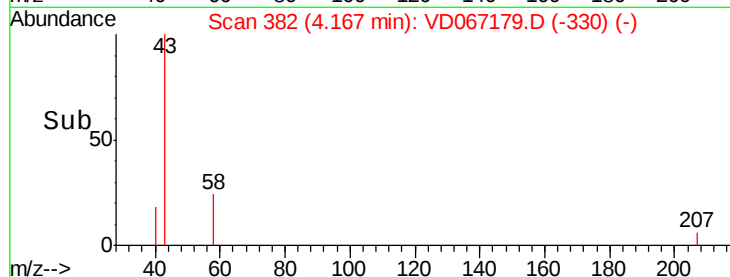
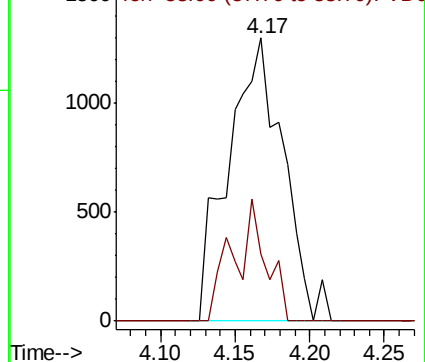
43 100

58 23.7 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Tgt Ion: 84 Resp: 13539

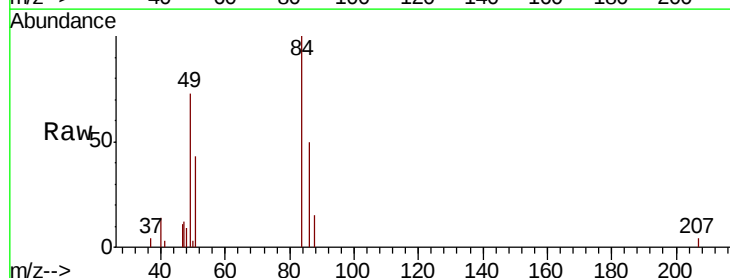
Ion Ratio Lower Upper

84 100

49 73.3 88.2 132.2#

51 43.3 26.6 39.8#

86 49.9 52.1 78.1#

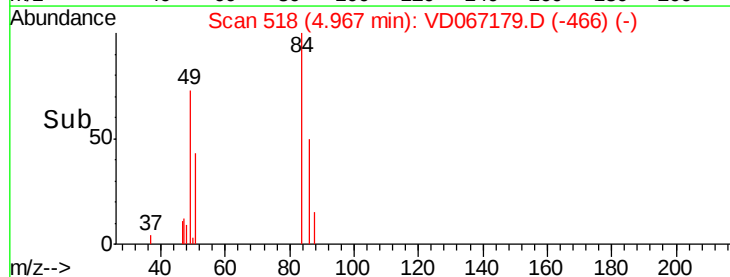
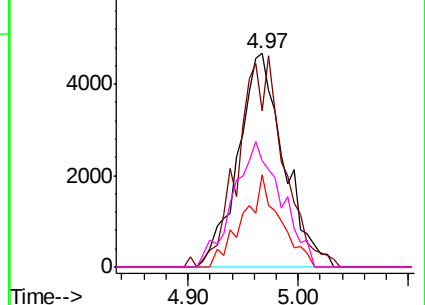


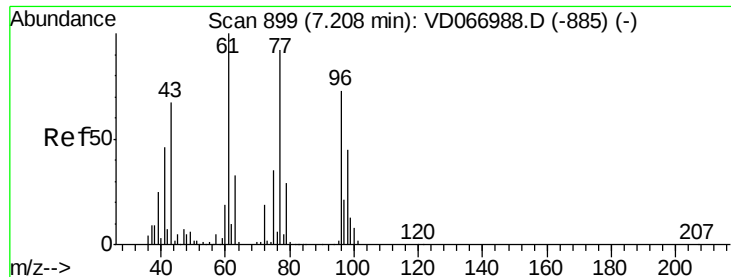
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

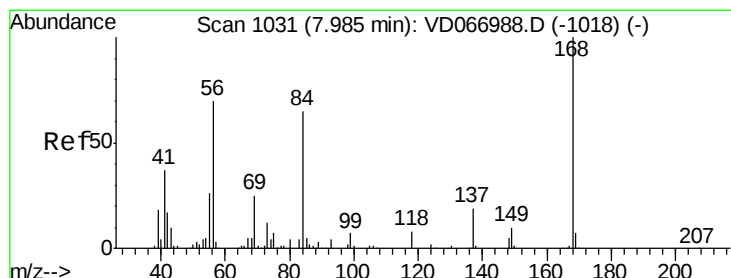
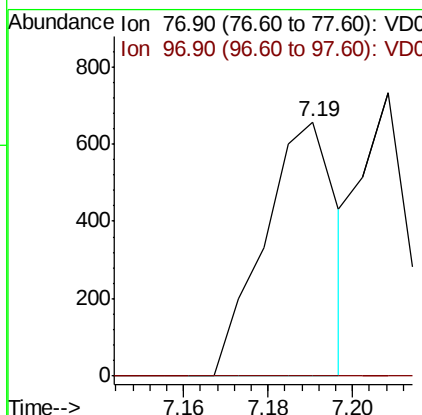
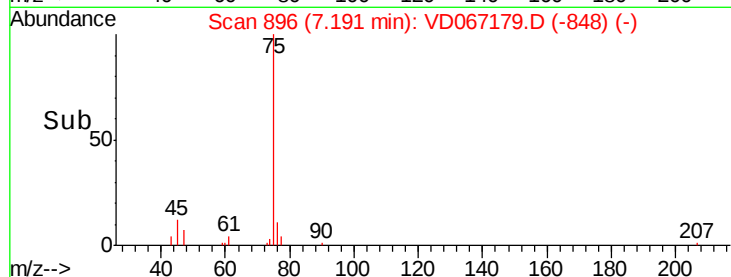
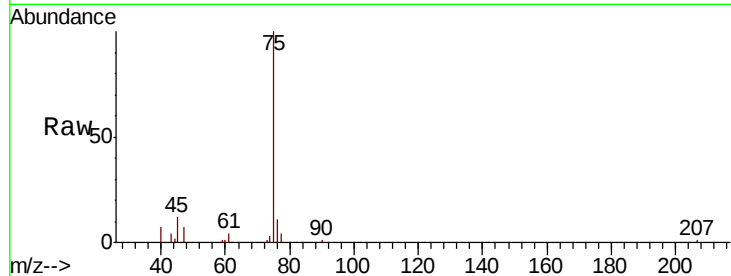




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

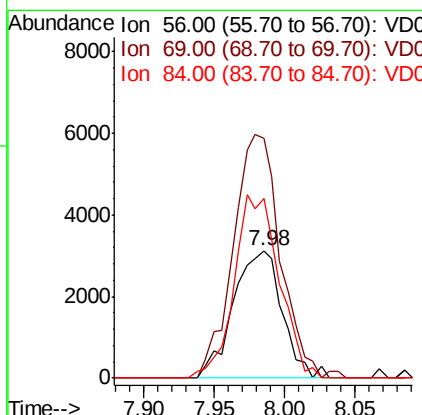
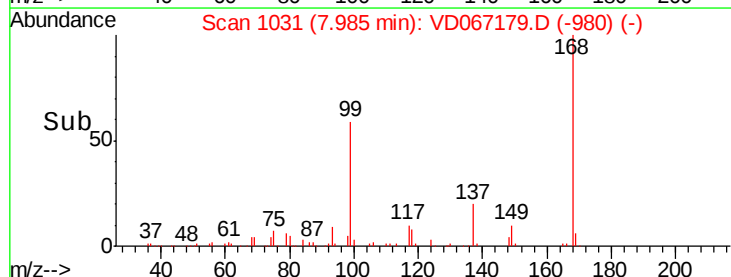
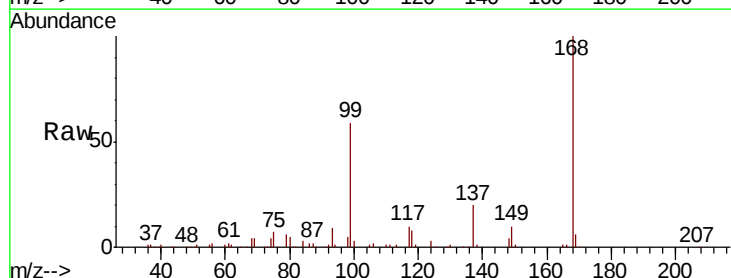
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-A

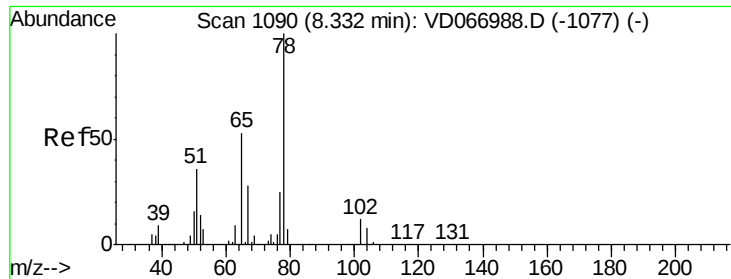
Tot Ion: 77 Resp: 784
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

Tgt Ion: 56 Resp: 7569
Ion Ratio Lower Upper
56 100
69 187.7 29.0 43.6#
84 140.6 74.2 111.2#

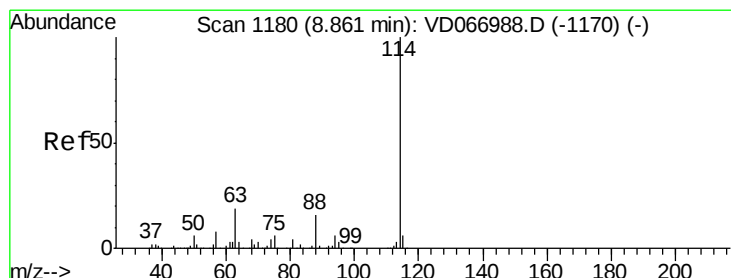
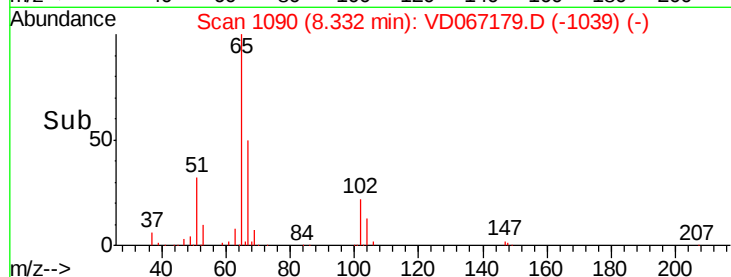
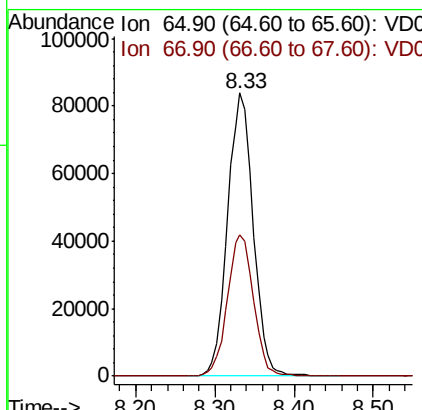
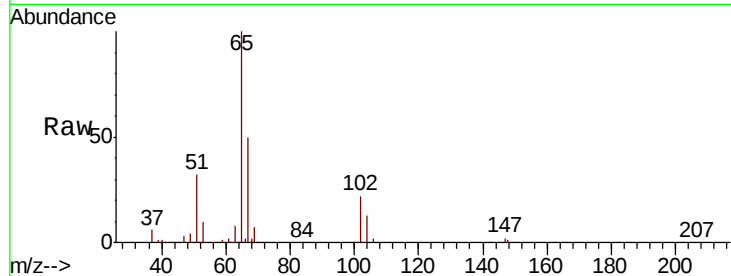




#33
 1,2-Dichloroethane-d4
 Concen: 50.917 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067179.D
 Acq: 08 Oct 2020 04:48

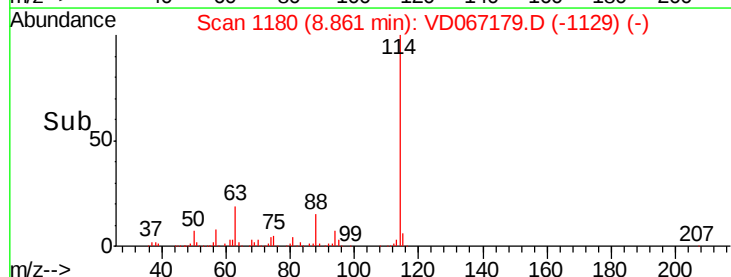
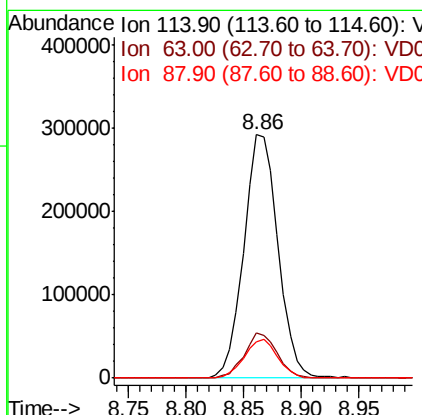
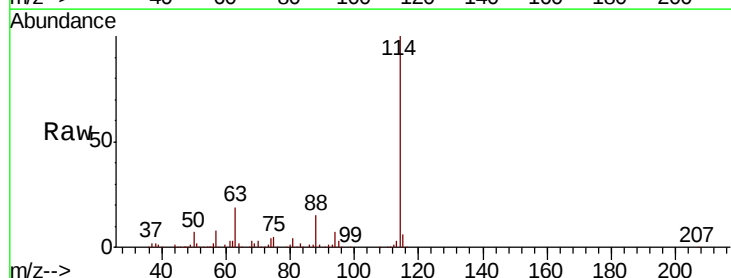
Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-05-A

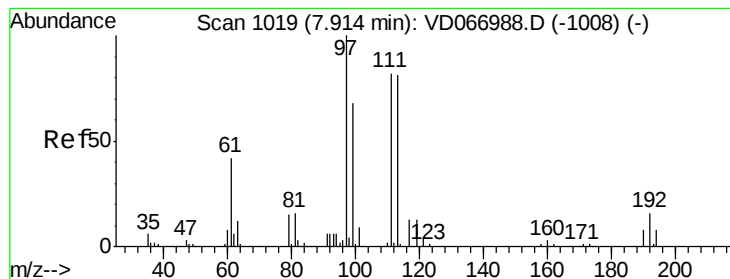
Tot Ion: 65 Resp: 186974
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067179.D
 Acq: 08 Oct 2020 04:48

Tgt Ion: 114 Resp: 601447
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.4
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.668 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-A

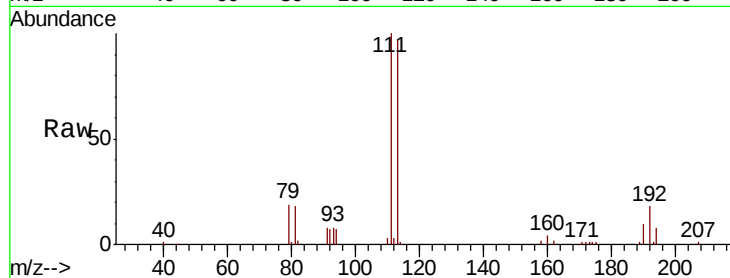
Tot Ion:113 Resp: 195571

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

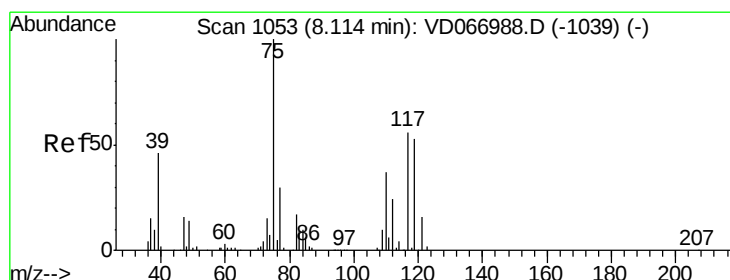
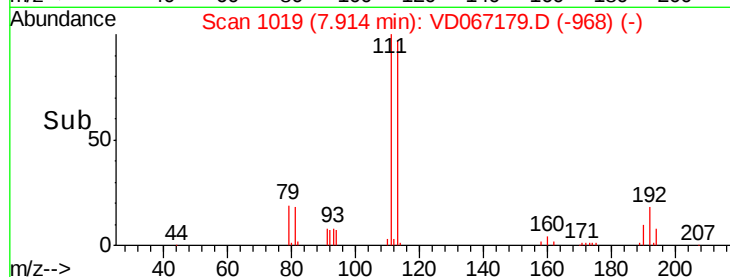
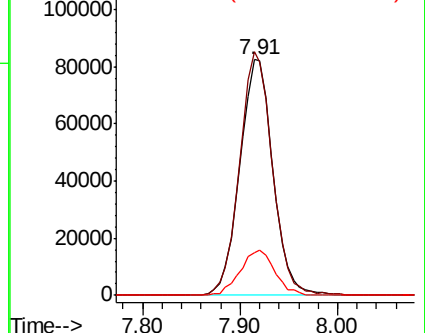
192 19.9 15.5 23.3



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: 4.998 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

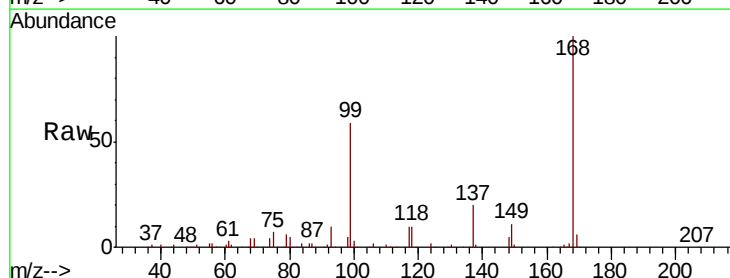
Tgt Ion: 75 Resp: 28019

Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.0#

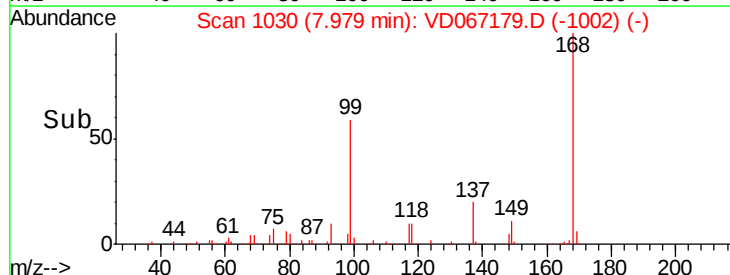
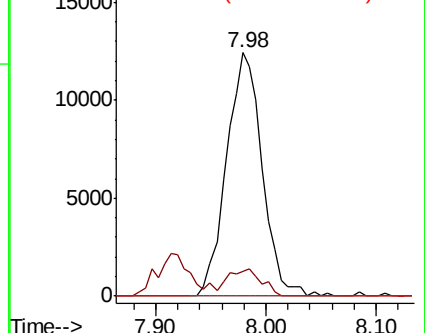
77 0.0 24.8 37.2#

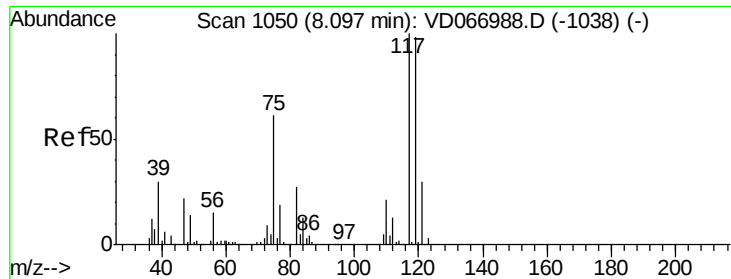


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.317 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-A

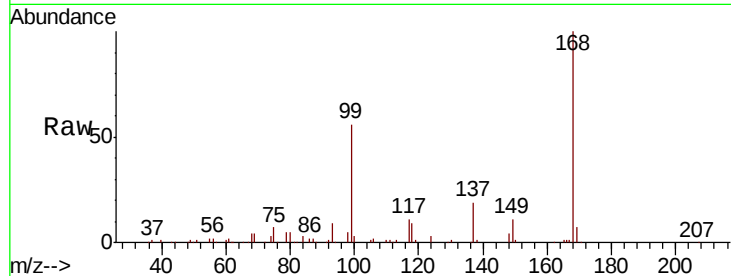
Tot Ion:117 Resp: 38317

Ion Ratio Lower Upper

117 100

119 7.5 78.7 118.1#

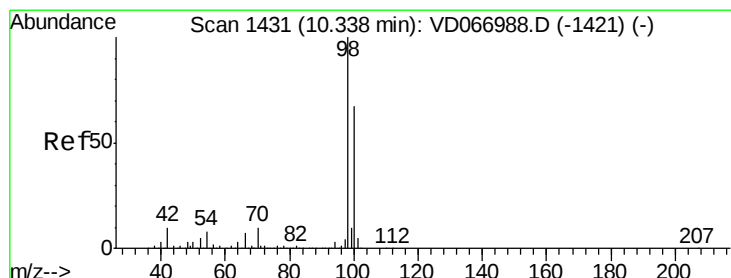
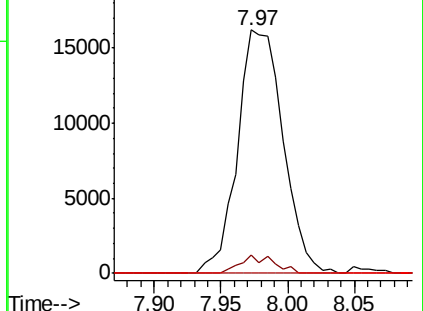
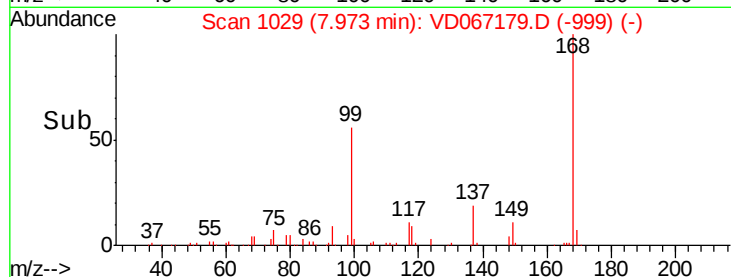
121 0.0 24.2 36.2#



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: 48.656 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067179.D

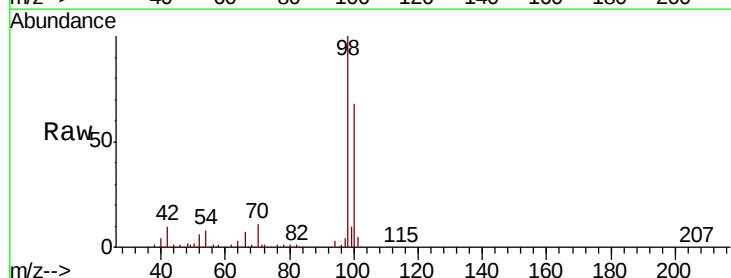
Acq: 08 Oct 2020 04:48

Tgt Ion: 98 Resp: 698115

Ion Ratio Lower Upper

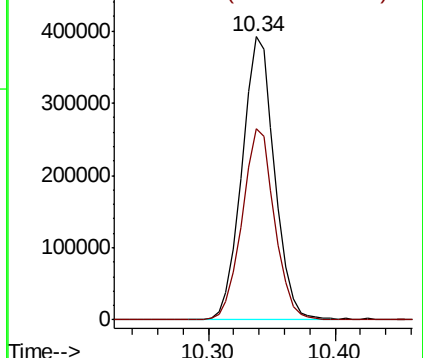
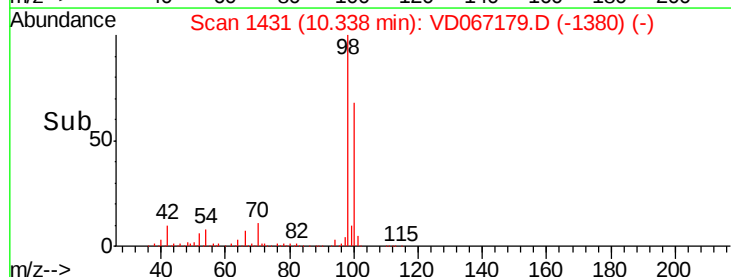
98 100

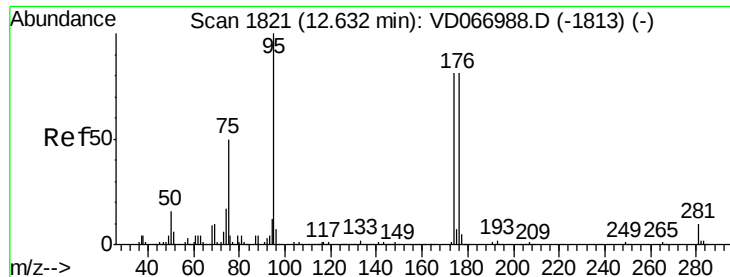
100 67.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

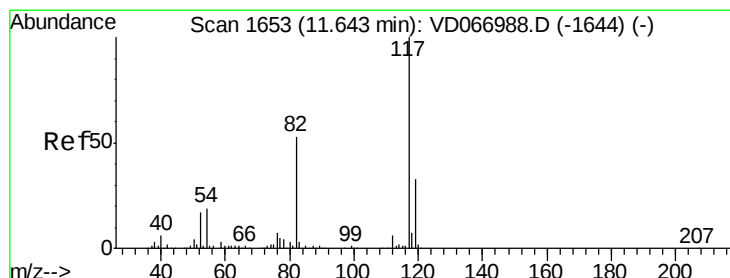
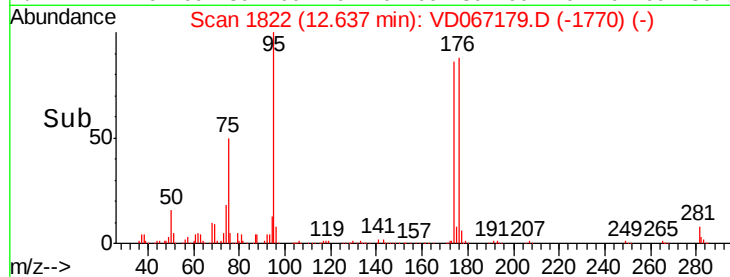
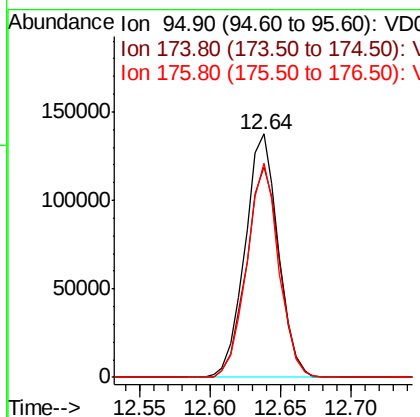
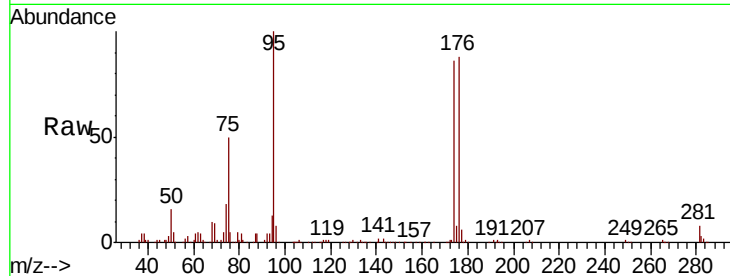




#62
4-Bromofluorobenzene
Concen: 46.503 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

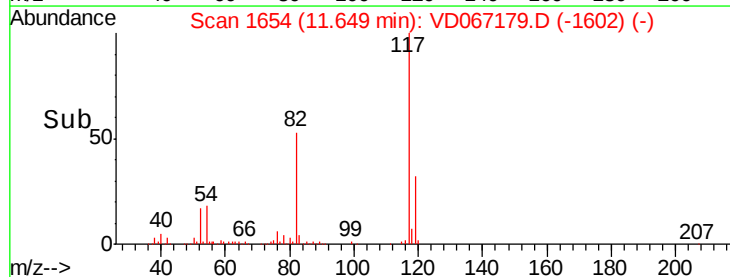
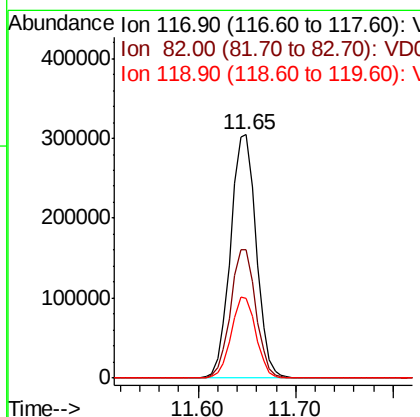
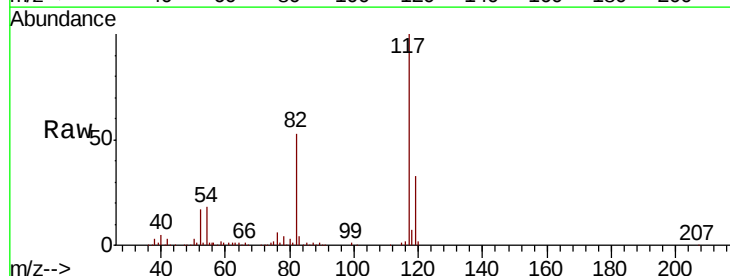
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-A

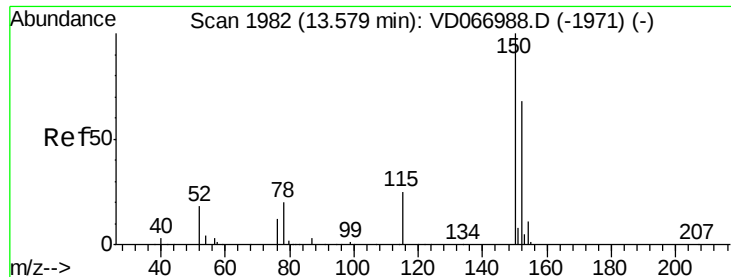
Tot Ion	95	Resp	226509
Ion Ratio	100		
Lower	0.0		
Upper	167.6		
174	86.7		
176	84.5		
	0.0		
	162.4		



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

Tgt Ion	117	Resp	555950
Ion Ratio	100		
Lower	42.6		
Upper	63.8		
82	52.9		
119	32.6		
	26.3		
	39.5		



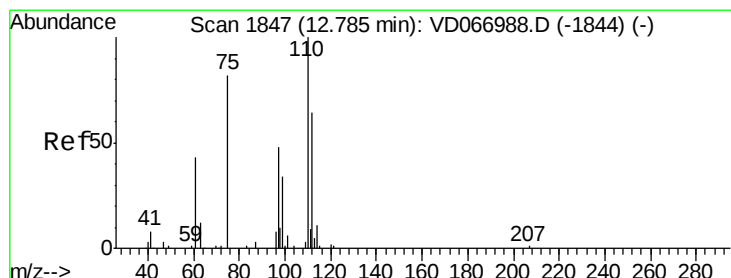
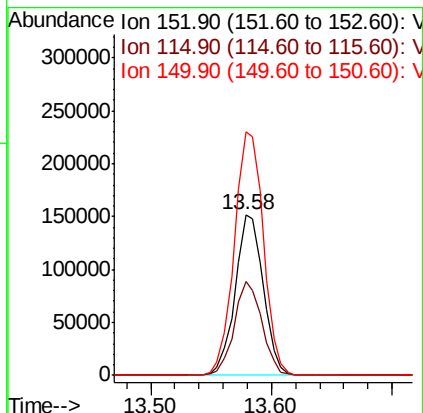
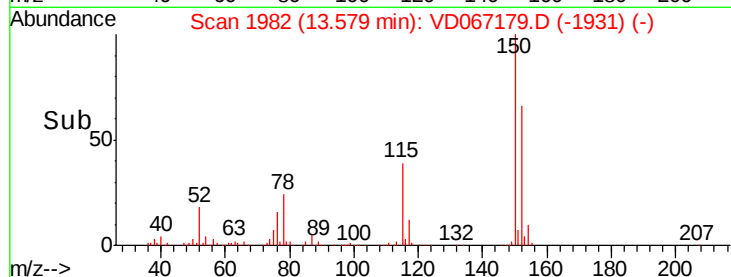
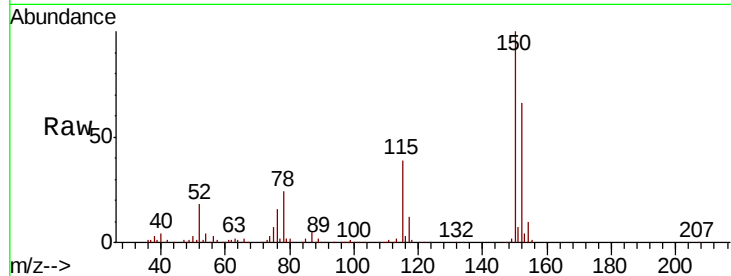


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-A

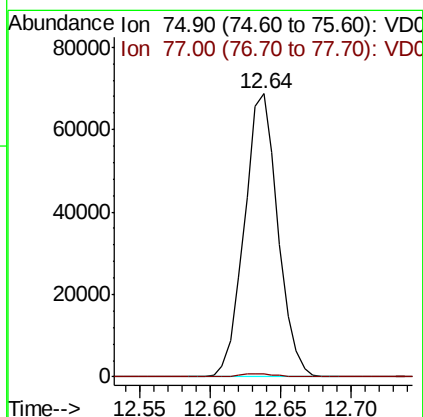
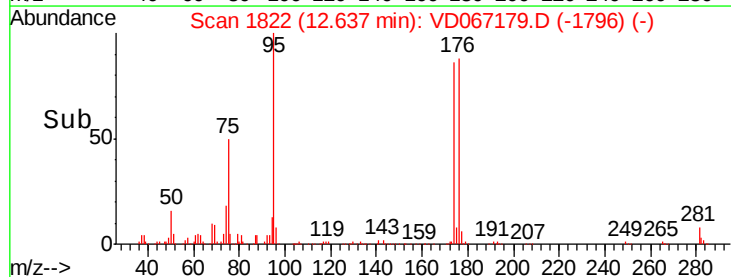
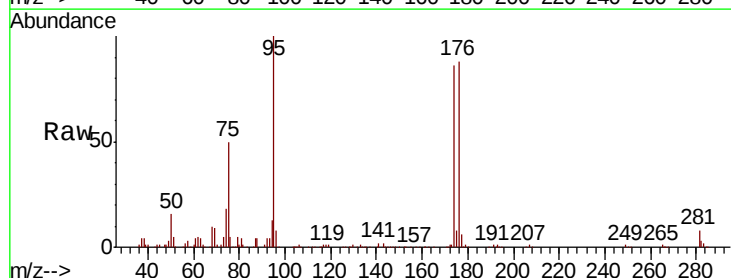
Tot Ion:152 Resp: 246377
Ion Ratio Lower Upper
152 100
115 57.9 29.6 88.8
150 157.1 0.0 344.8

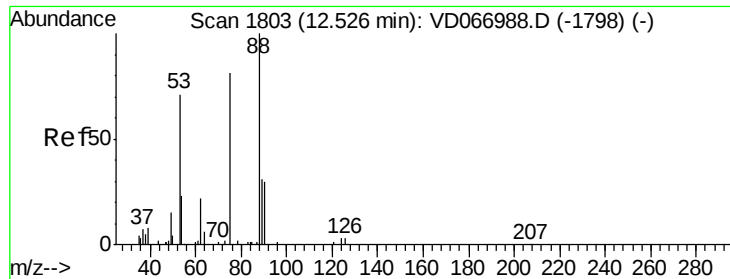


#76

1,2,3-Trichloropropane
Concen: 53.264 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067179.D
Acq: 08 Oct 2020 04:48

Tgt Ion: 75 Resp: 114306
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.794 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067179.D

Acq: 08 Oct 2020 04:48

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-A

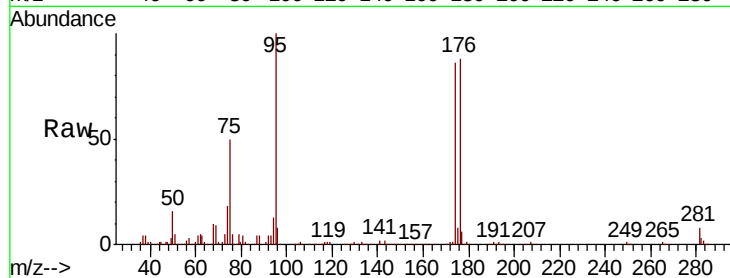
Tot Ion: 75 Resp: 114306

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 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

