

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067176.D
 Acq On : 08 Oct 2020 03:25
 Operator : VA/SY
 Sample : L4309-02
 Misc : 4.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-02-B

Quant Time: Oct 08 07:30:41 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	409748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294868	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	195843	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	7.91	113	211988	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.34	98	765217	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.64	95	257433	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

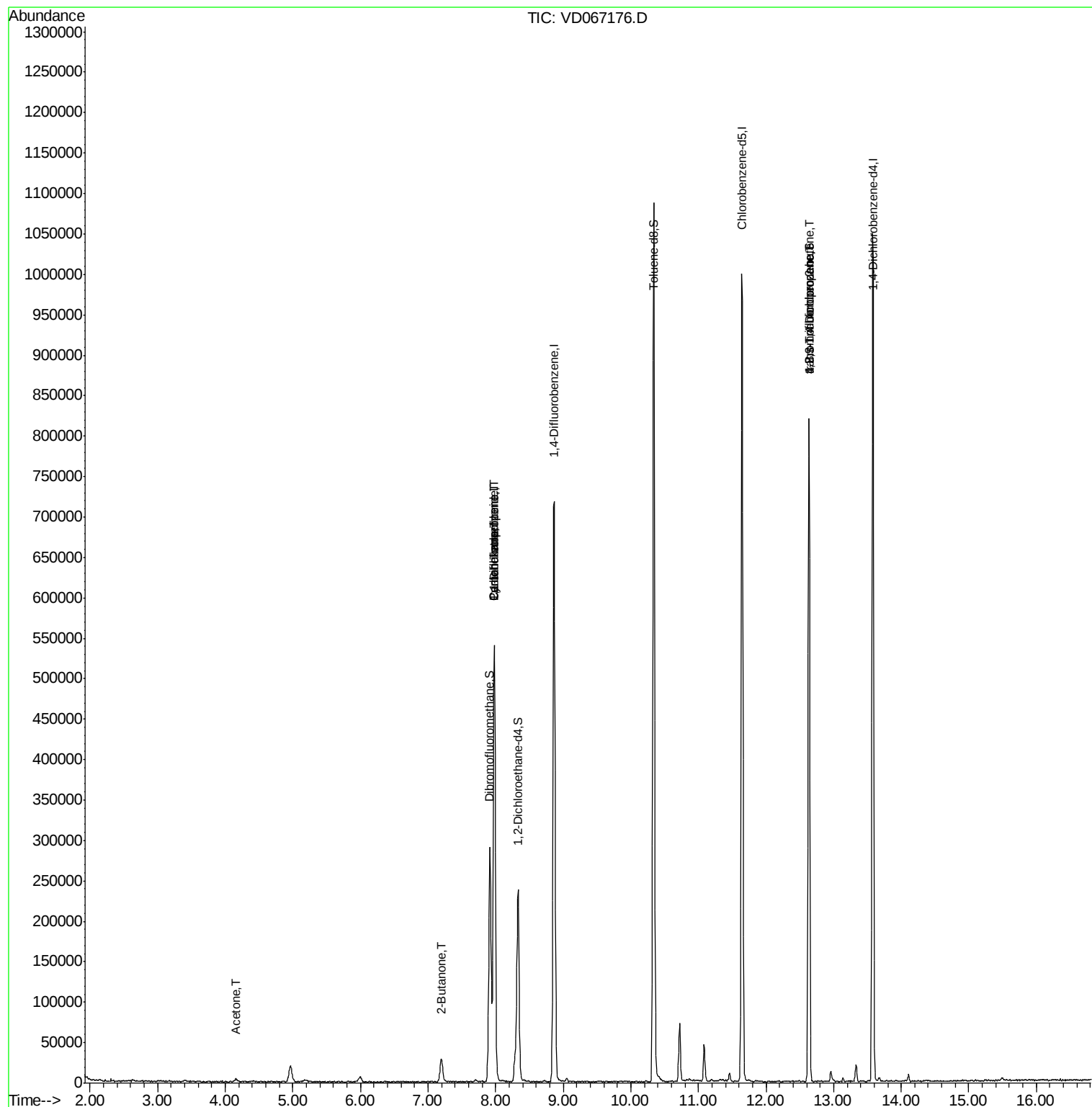
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	554	Below Cal	#	40
5) Bromomethane	2.78	94	326	Below Cal	#	80
11) Tert butyl alcohol	5.24	59	447	Below Cal	#	72
16) Acetone	4.16	43	5831	9.679	ug/l #	84
20) Methylene Chloride	4.96	84	16929	Below Cal	#	84
25) 2-Butanone	7.19	43	1774	2.077	ug/l #	46
26) 2,2-Dichloropropane	7.19	77	2371	Below Cal	#	53
31) Cyclohexane	7.99	56	8648	1.459	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	29183	4.815	ug/l #	49
38) Carbon Tetrachloride	7.99	117	43384	6.615	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	133112	51.827	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133112	129.211	ug/l #	12

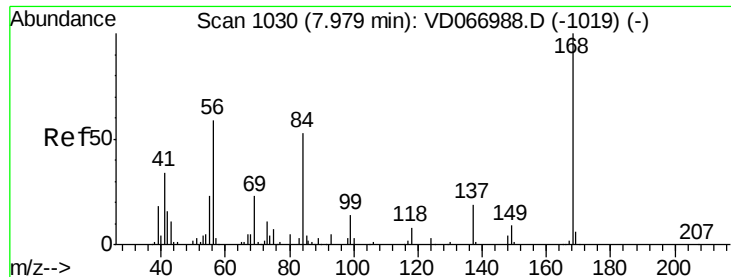
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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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: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

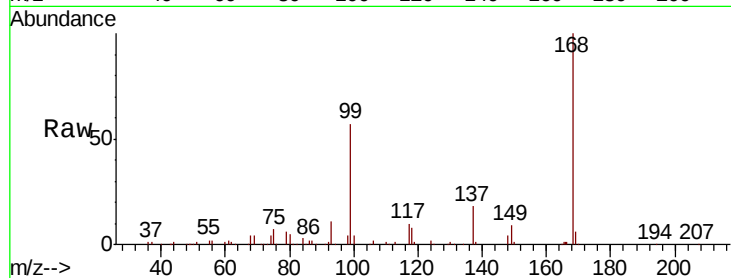
OWLS-HEAD-BH-02-B

Tot Ion:168 Resp: 409748

Ion Ratio Lower Upper

168 100

99 57.4 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

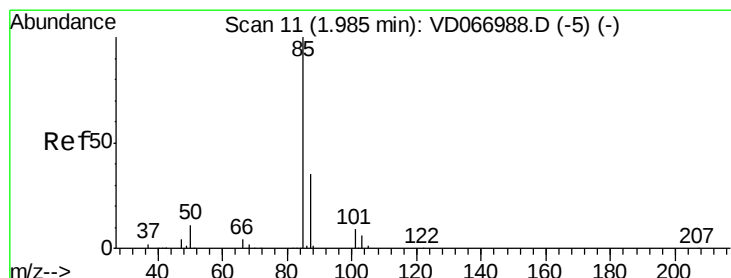
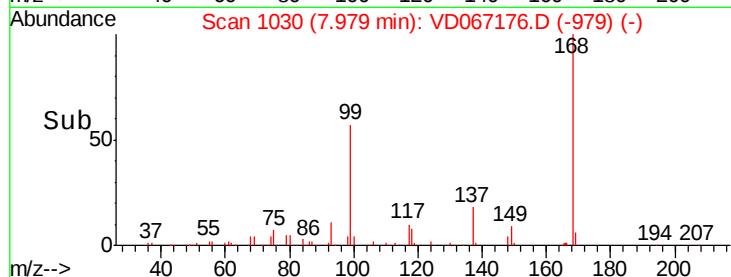
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067176.D

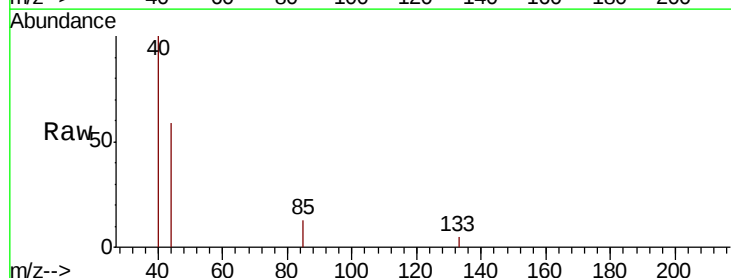
Acq: 08 Oct 2020 03:25

Tgt Ion: 85 Resp: 554

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

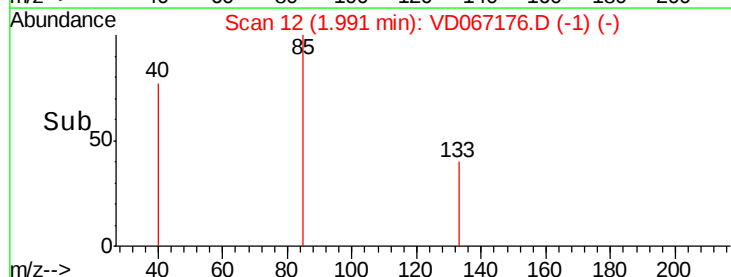
300

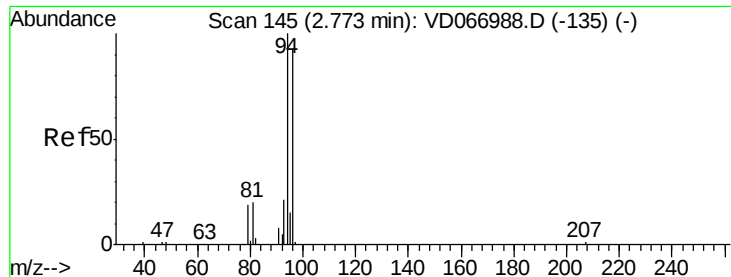
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

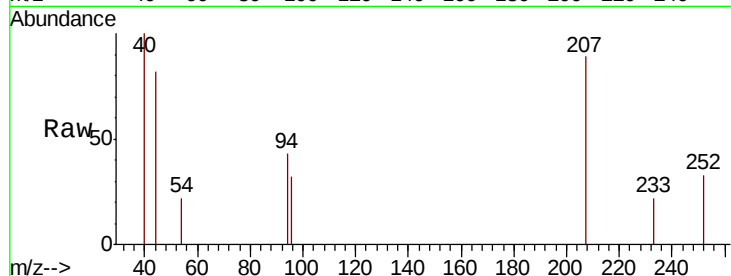
OWLS-HEAD-BH-02-B

Tot Ion: 94 Resp: 326

Ion Ratio Lower Upper

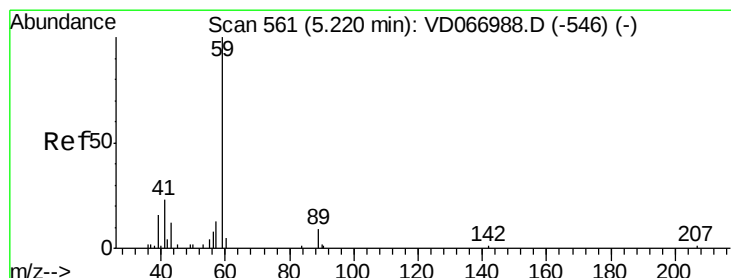
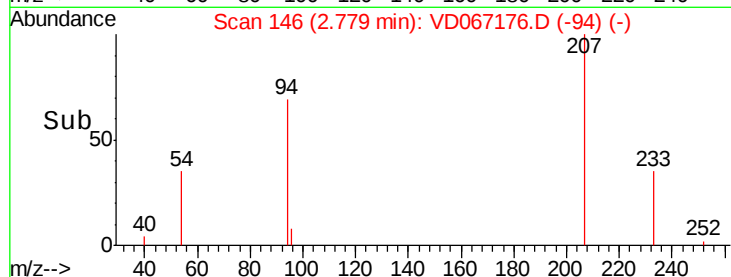
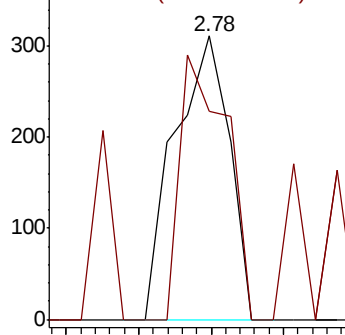
94 100

96 73.6 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: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD067176.D

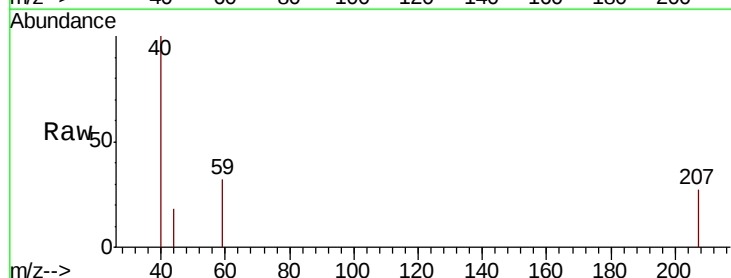
Acq: 08 Oct 2020 03:25

Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

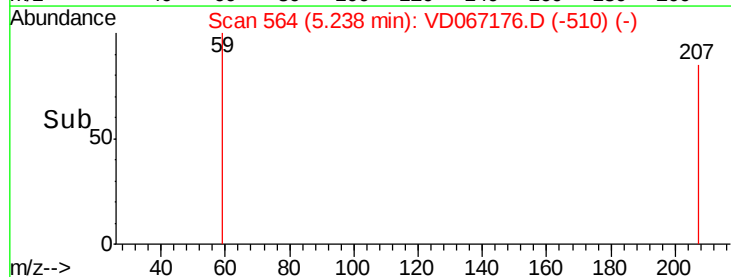
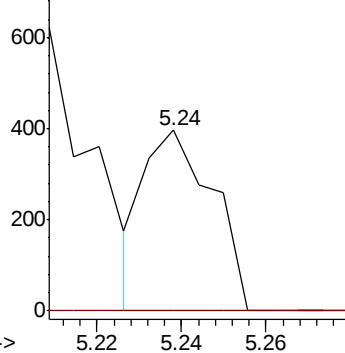
59 100

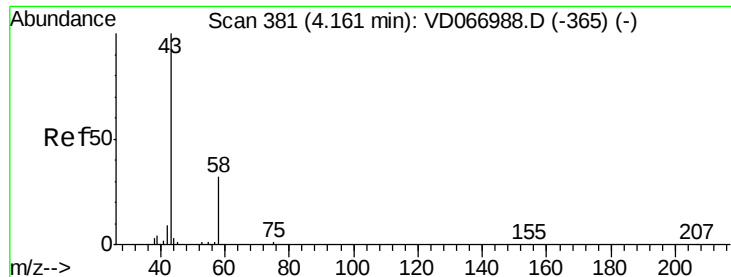
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 9.679 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

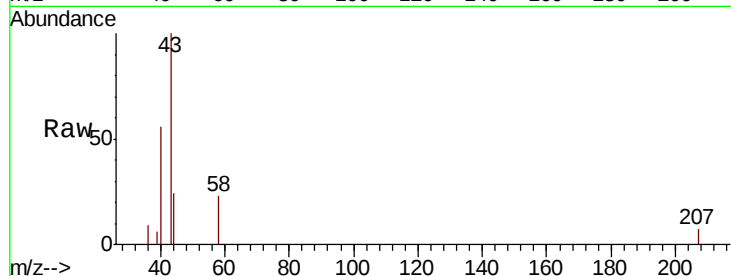
OWLS-HEAD-BH-02-B

Tot Ion: 43 Resp: 5831

Ion Ratio Lower Upper

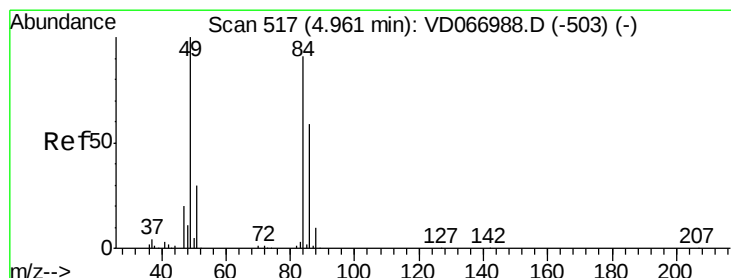
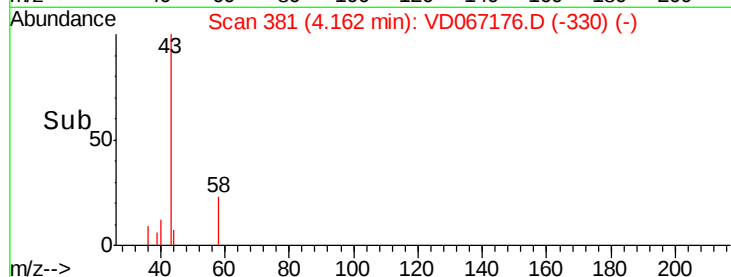
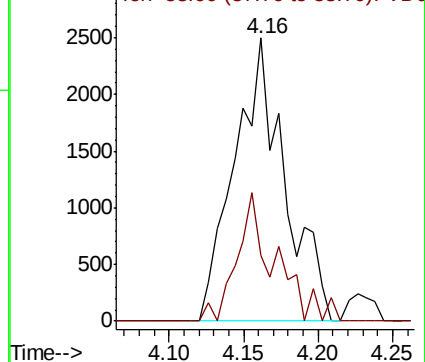
43 100

58 23.4 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: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Tgt Ion: 84 Resp: 16929

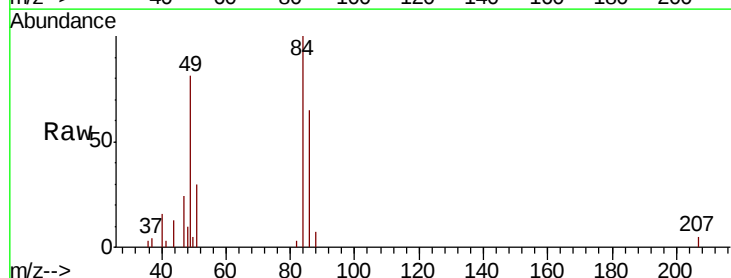
Ion Ratio Lower Upper

84 100

49 81.4 88.2 132.2#

51 29.6 26.6 39.8

86 64.6 52.1 78.1

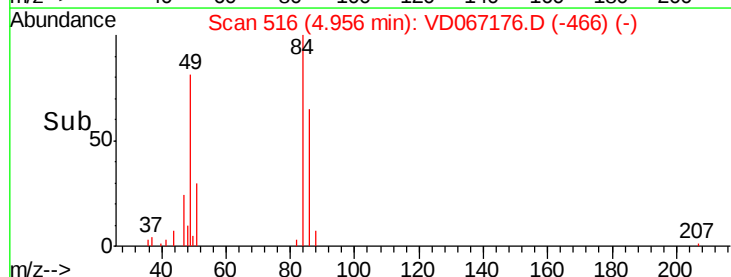
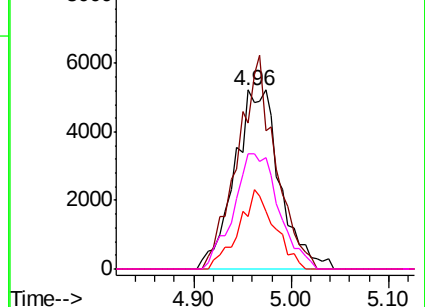


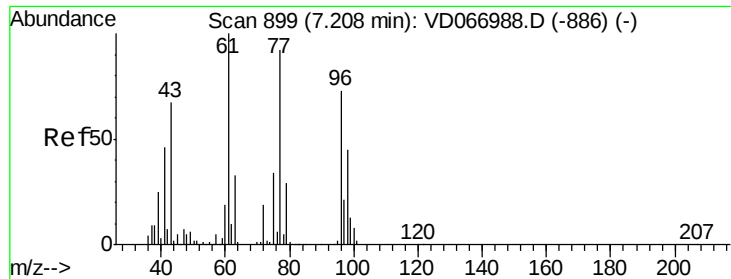
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.077 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

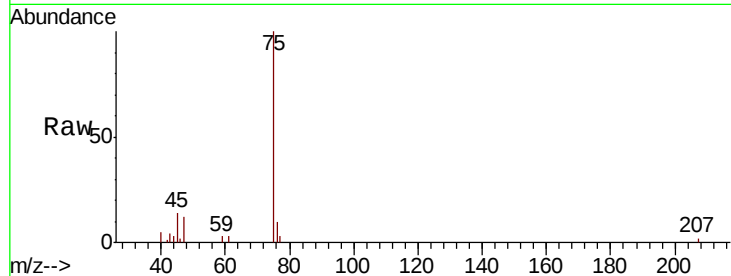
OWLS-HEAD-BH-02-B

Tot Ion: 43 Resp: 1774

Ion Ratio Lower Upper

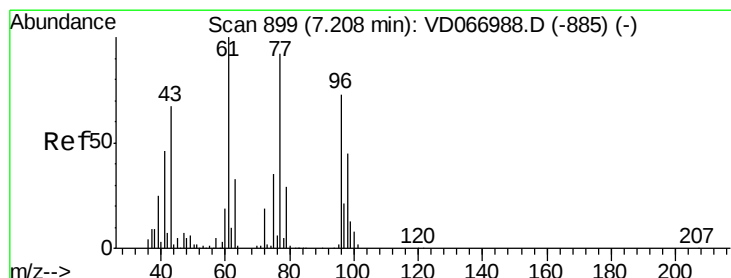
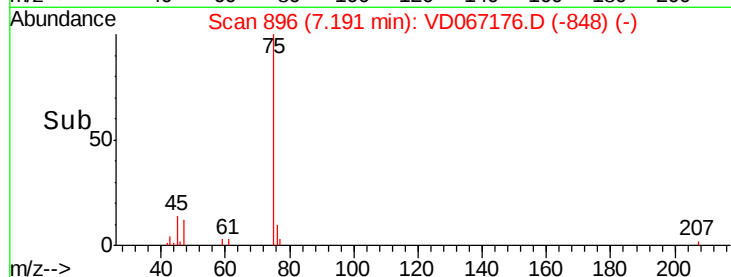
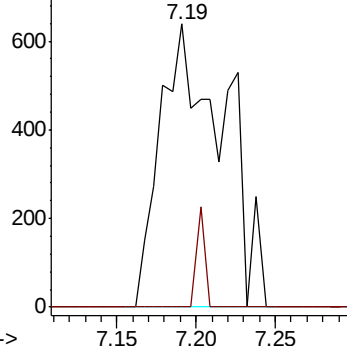
43 100

72 0.0 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: 7.19 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD067176.D

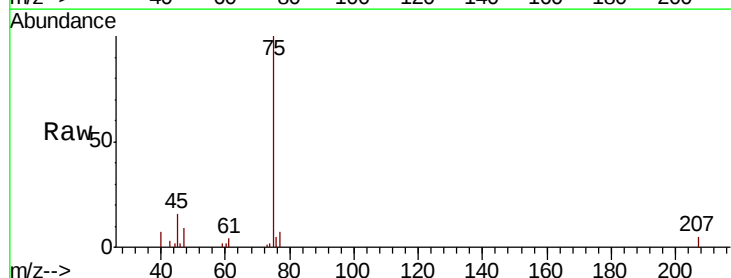
Acq: 08 Oct 2020 03:25

Tgt Ion: 77 Resp: 2371

Ion Ratio Lower Upper

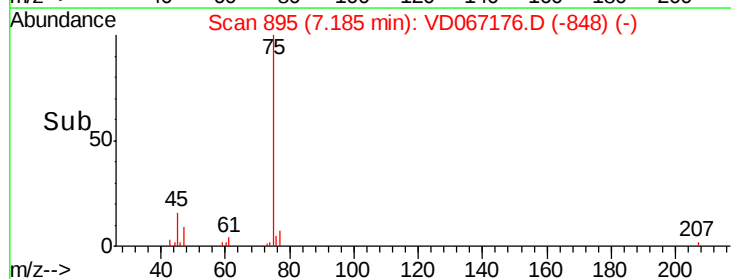
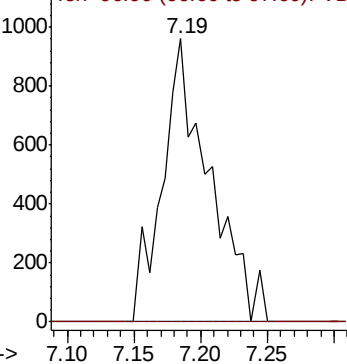
77 100

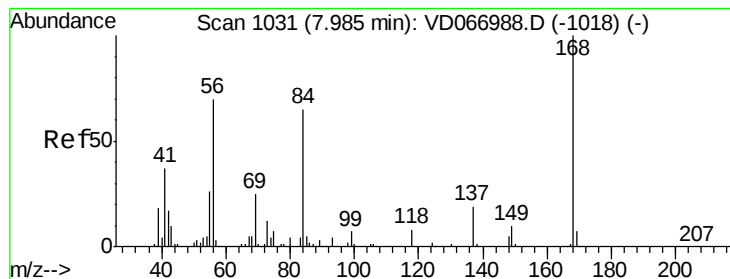
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.459 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-02-B

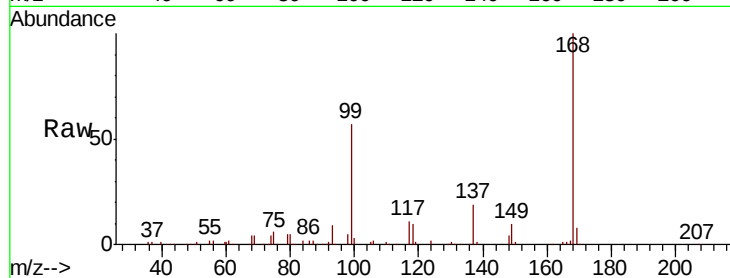
Tot Ion: 56 Resp: 8648

Ion Ratio Lower Upper

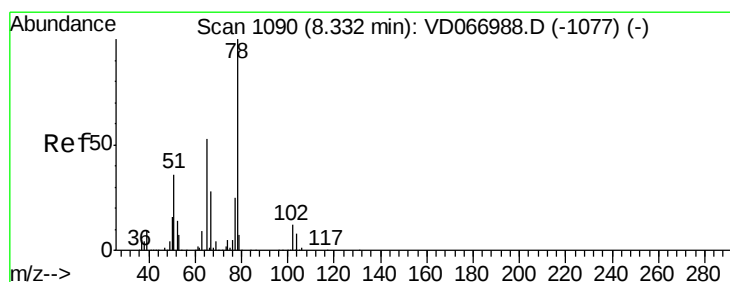
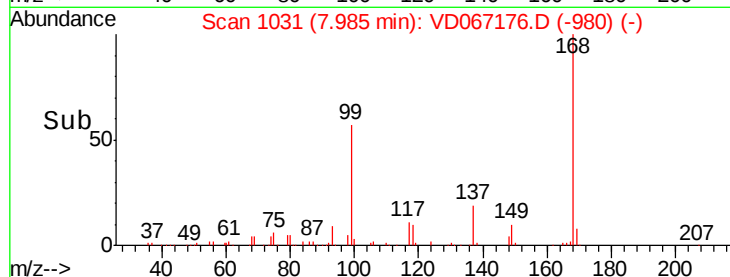
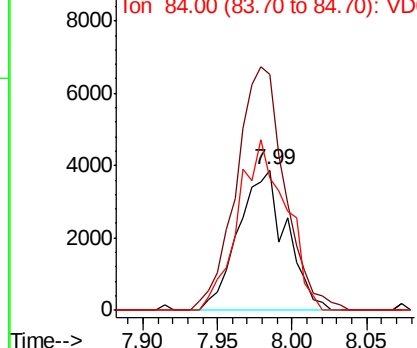
56 100

69 168.1 29.0 43.6#

84 94.2 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.622 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067176.D

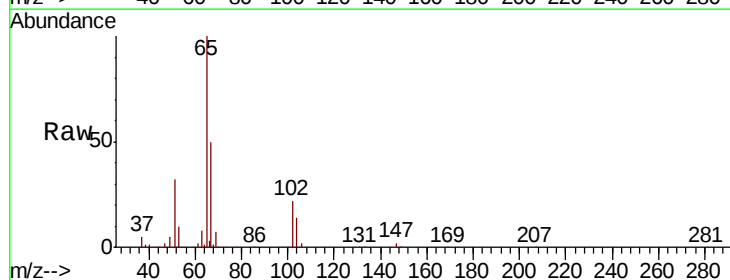
Acq: 08 Oct 2020 03:25

Tgt Ion: 65 Resp: 195843

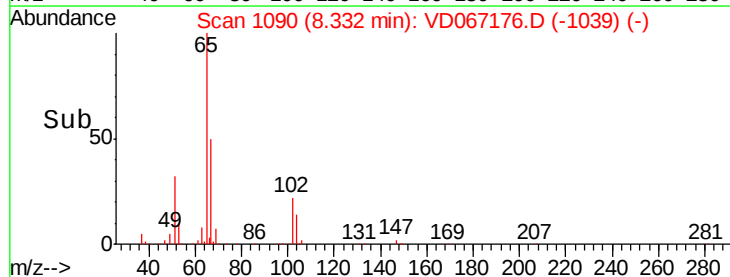
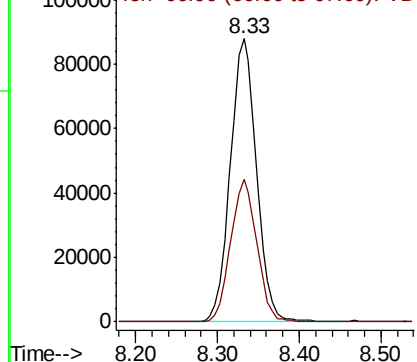
Ion Ratio Lower Upper

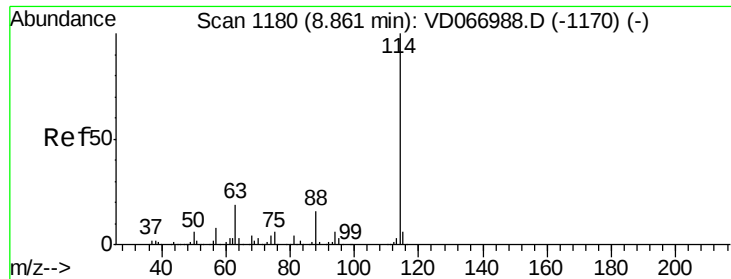
65 100

67 50.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

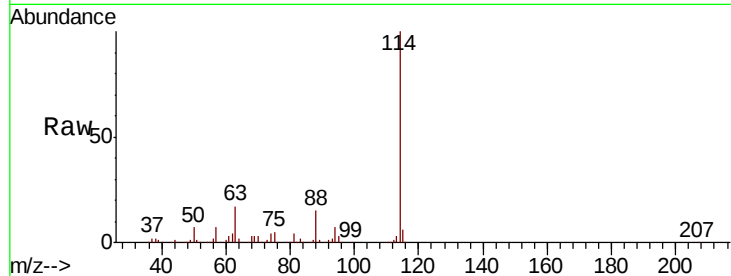




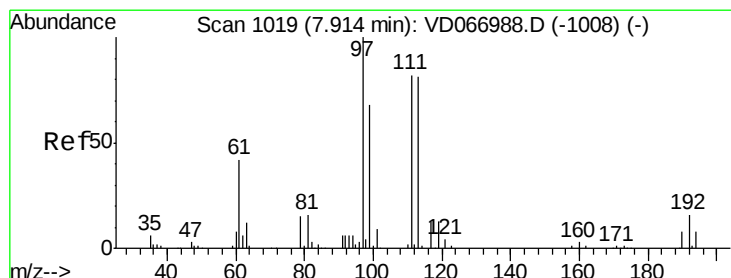
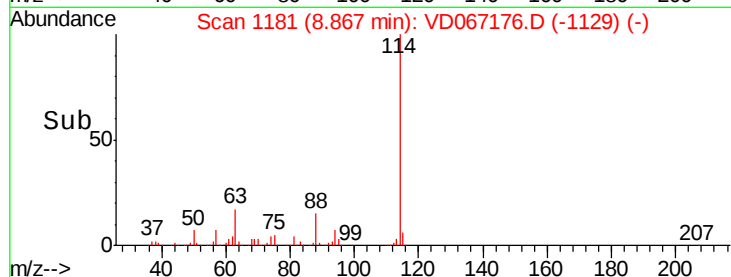
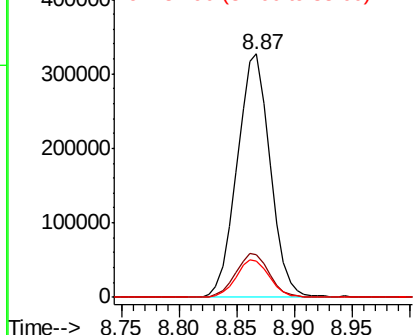
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-02-B

Tot Ion:114 Resp: 650292
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.4
88 14.8 0.0 31.2

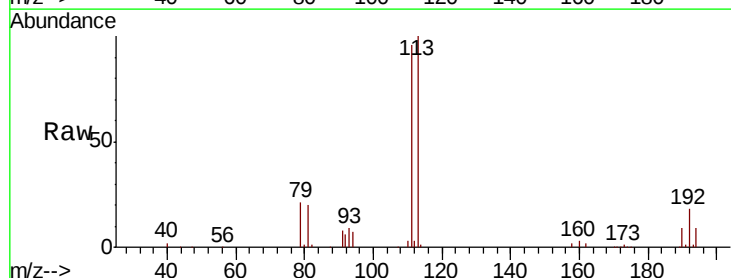


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

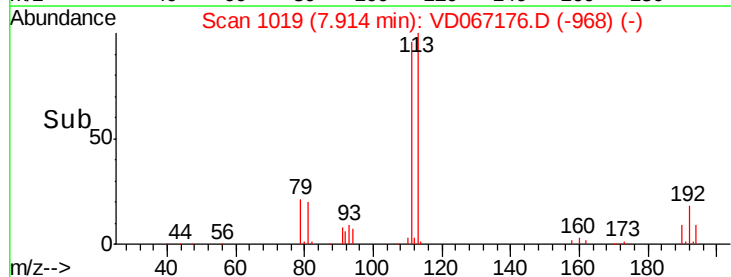
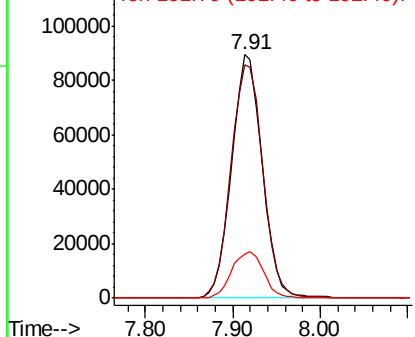


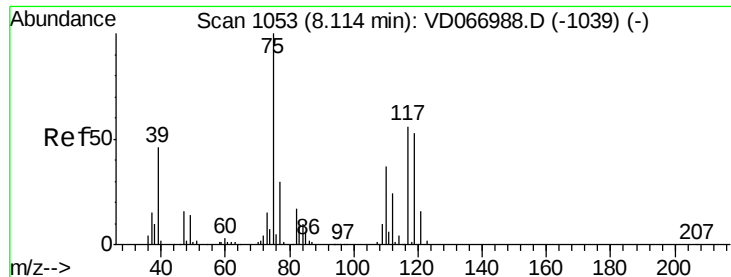
#35
Dibromofluoromethane
Concen: 49.794 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

Tgt Ion:113 Resp: 211988
Ion Ratio Lower Upper
113 100
111 100.1 83.0 124.4
192 19.7 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: 4.815 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-02-B

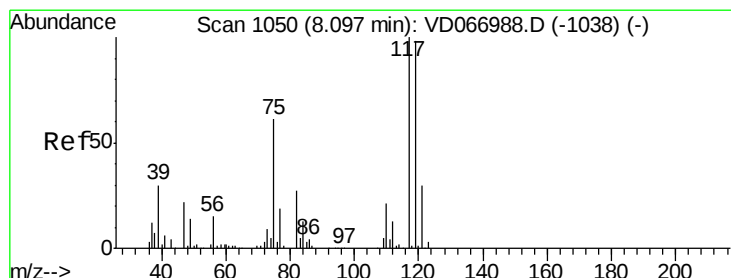
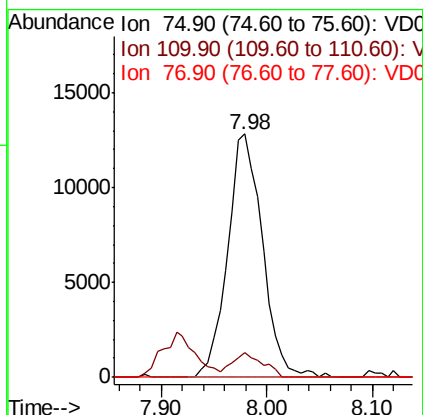
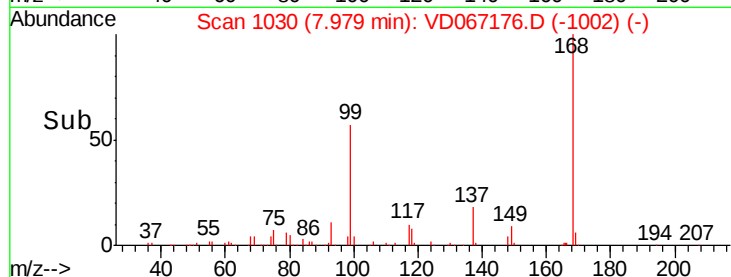
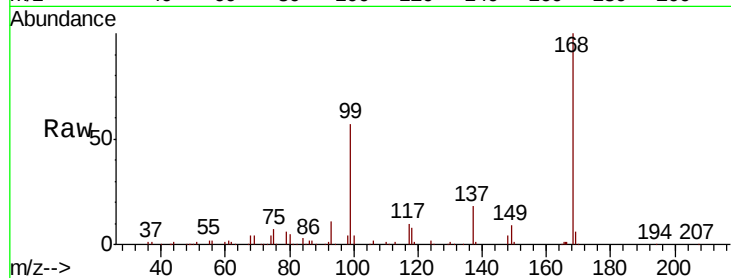
Tot Ion: 75 Resp: 29183

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.615 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067176.D

Acq: 08 Oct 2020 03:25

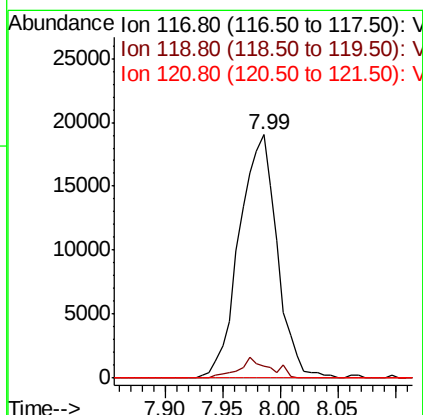
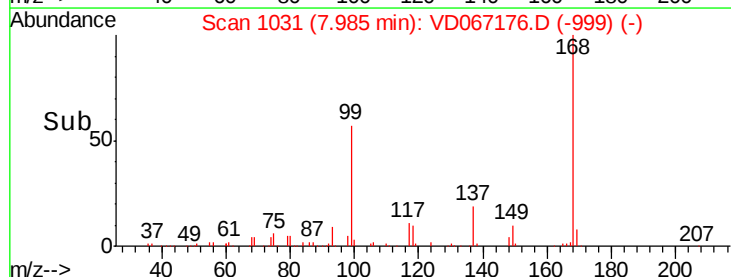
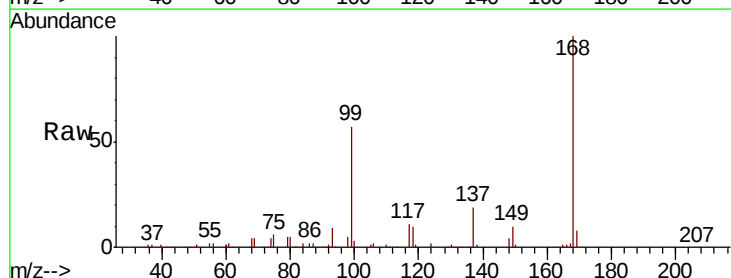
Tgt Ion: 117 Resp: 43384

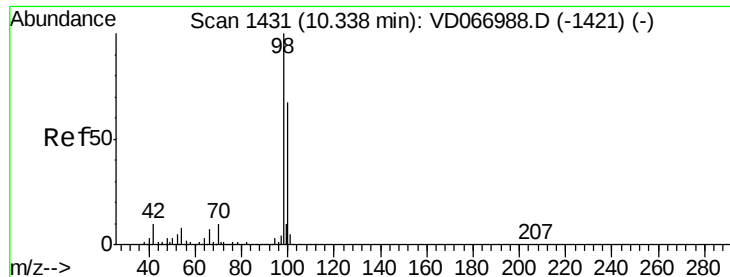
Ion Ratio Lower Upper

117 100

119 4.7 78.7 118.1#

121 0.0 24.2 36.2#

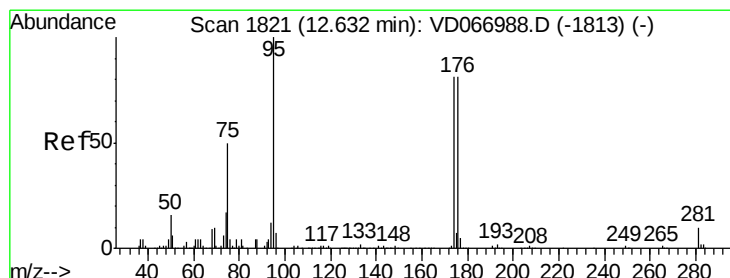
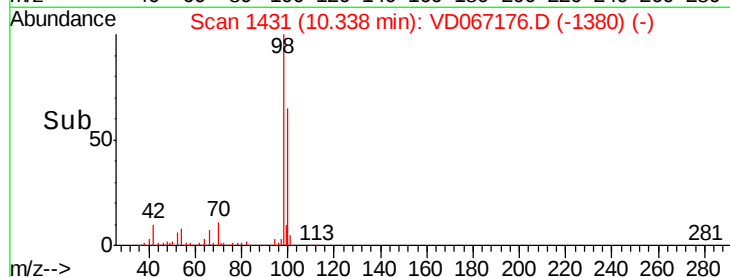
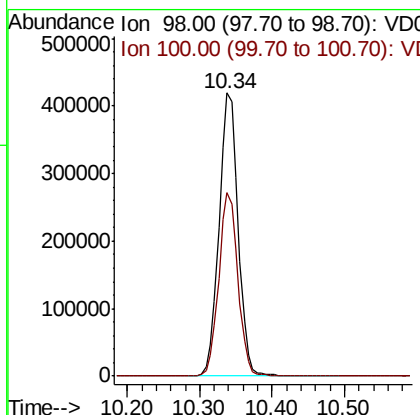
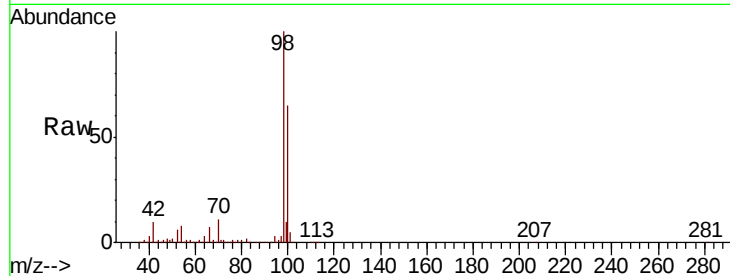




#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

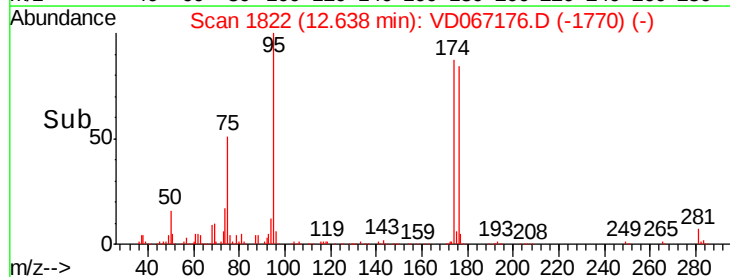
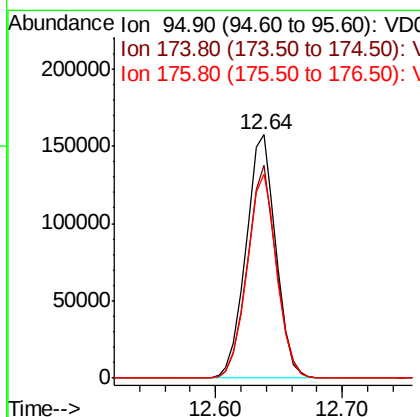
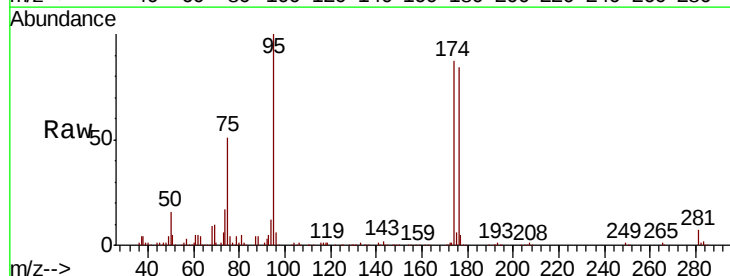
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-02-B

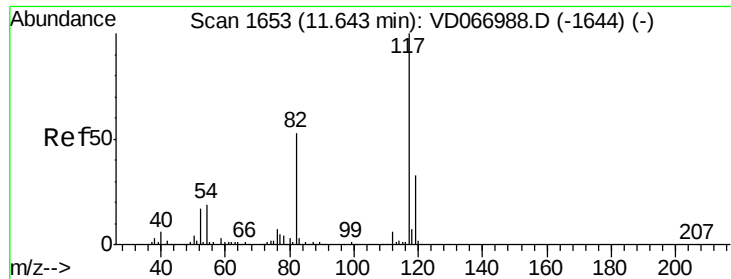
Tot Ion: 98 Resp: 765217
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.882 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

Tgt Ion: 95 Resp: 257433
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 83.3 0.0 162.4

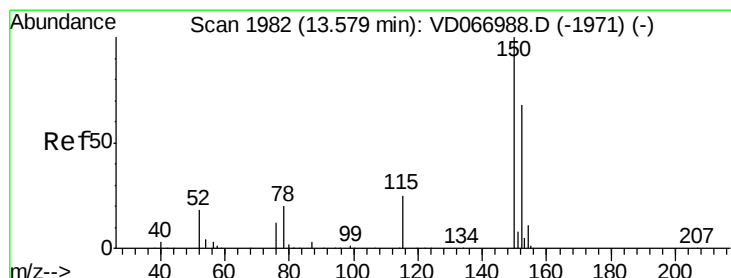
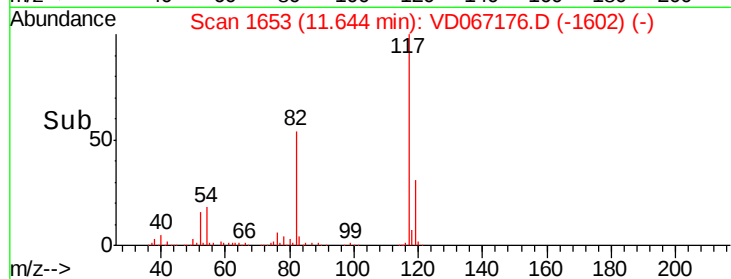
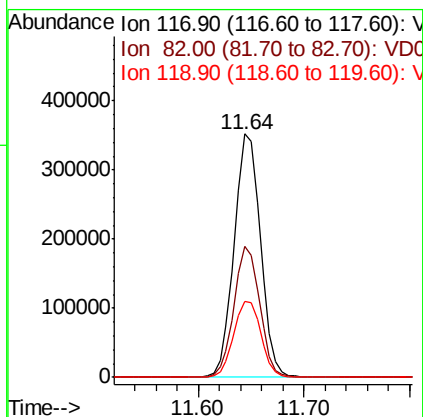
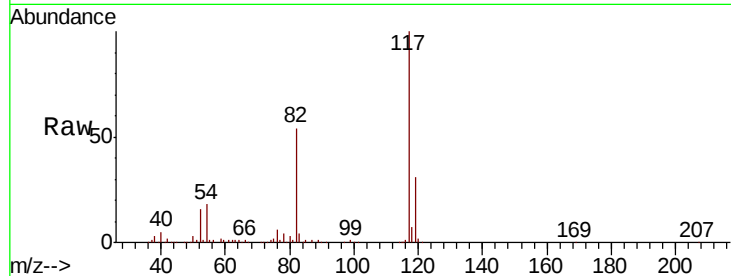




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

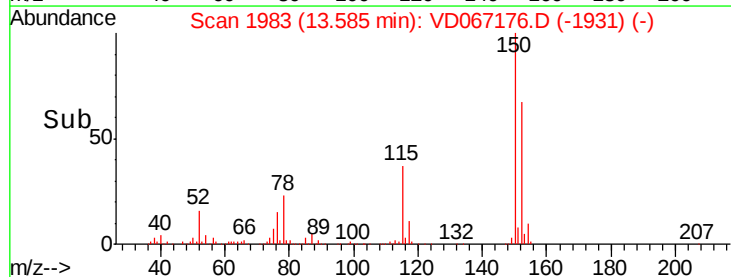
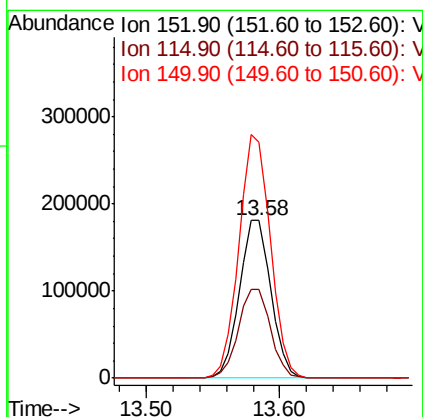
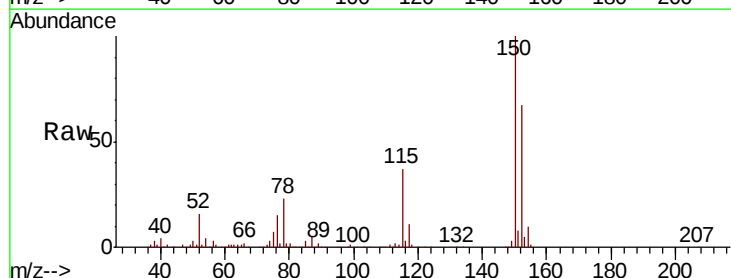
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-02-B

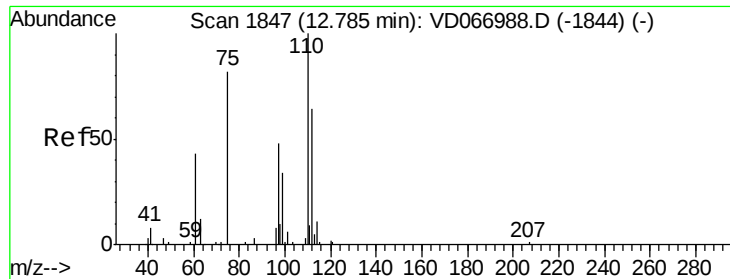
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.6	63.8
119	31.0	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067176.D
Acq: 08 Oct 2020 03:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.6	88.8
150	154.4	0.0	344.8

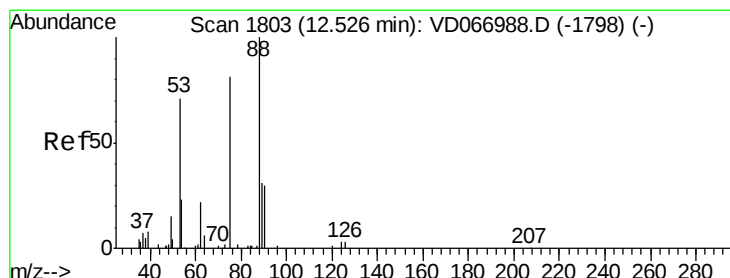
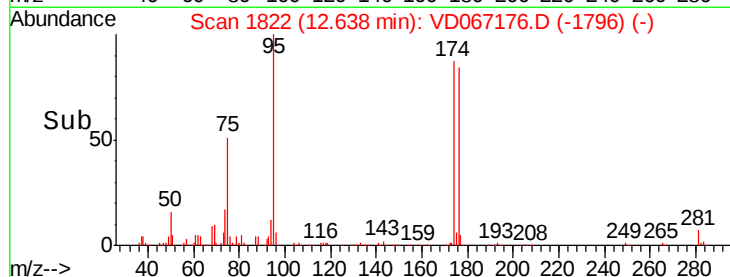
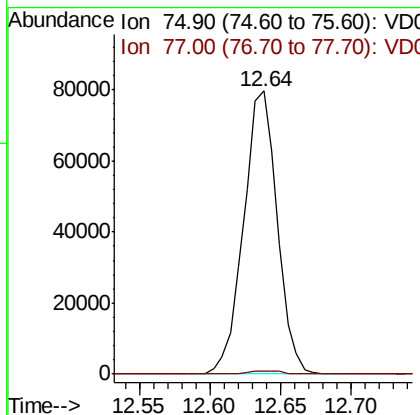
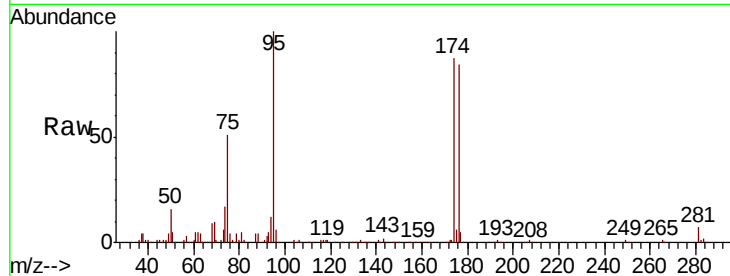




#76
 1,2,3-Trichloropropane
 Concen: 51.827 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067176.D
 Acq: 08 Oct 2020 03:25

Instrument :
 MSVOA_D
 ClientSampleId :
 OWLS-HEAD-BH-02-B

Tot Ion: 75 Resp: 133112
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.211 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067176.D
 Acq: 08 Oct 2020 03:25

Tgt Ion: 75 Resp: 133112
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.2 38.9 58.3#

