

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067180.D
 Acq On : 08 Oct 2020 05:16
 Operator : VA/SY
 Sample : L4309-06
 Misc : 4.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

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

Quant Time: Oct 08 07:31:28 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	381553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	615382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	564826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251274	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	184593	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	7.92	113	196653	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.34	98	716449	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.64	95	231158	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

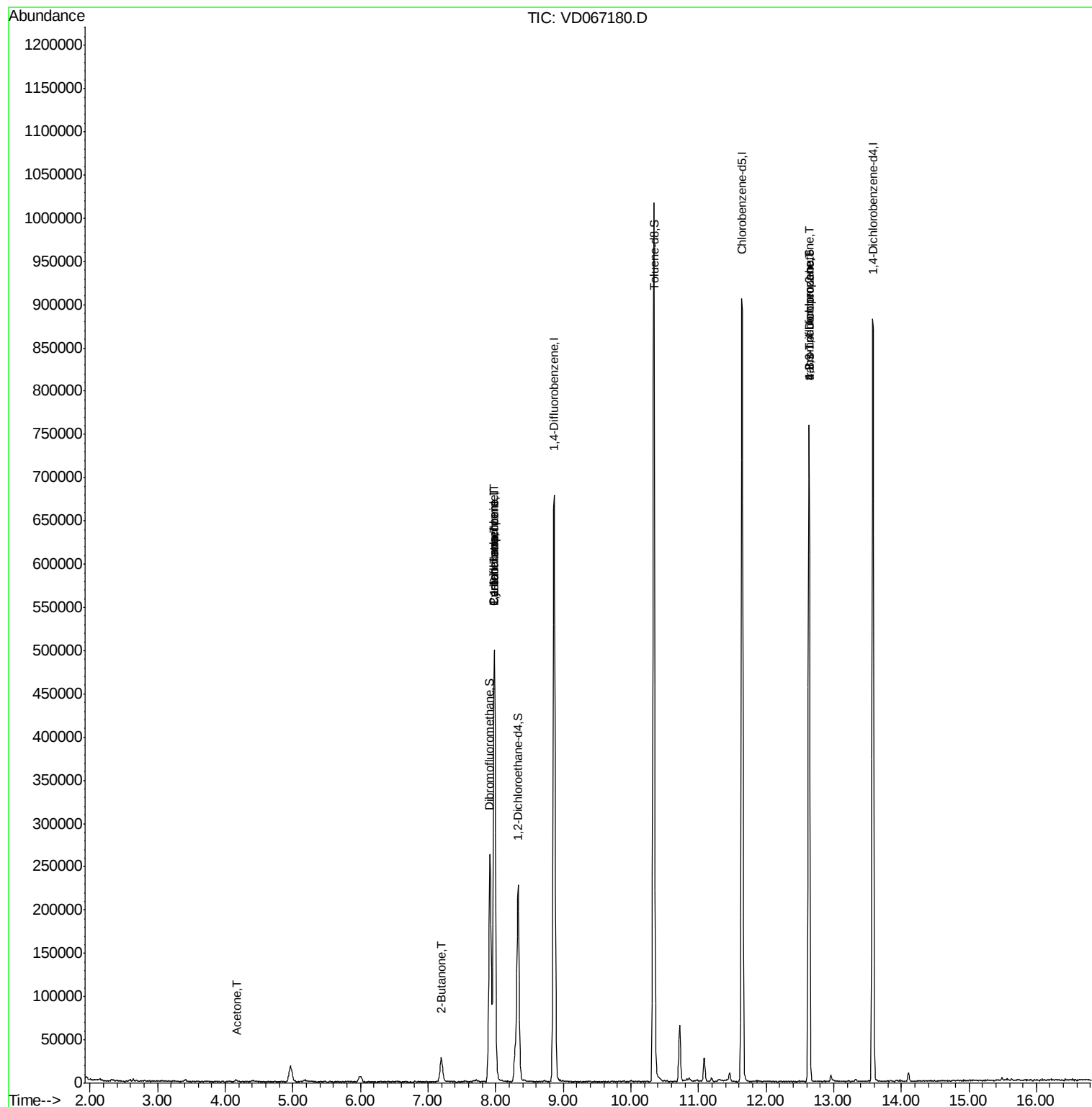
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	111	Below Cal	#	40
11) Tert butyl alcohol	5.23	59	173	Below Cal	#	72
16) Acetone	4.17	43	2432	4.335	ug/l #	88
20) Methylene Chloride	4.97	84	16019	Below Cal	#	81
25) 2-Butanone	7.20	43	1443	1.814	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	2173	Below Cal	#	53
31) Cyclohexane	7.98	56	7825	1.418	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	28320	4.937	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39270	6.327	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	117151	53.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117151	133.447	ug/l #	12

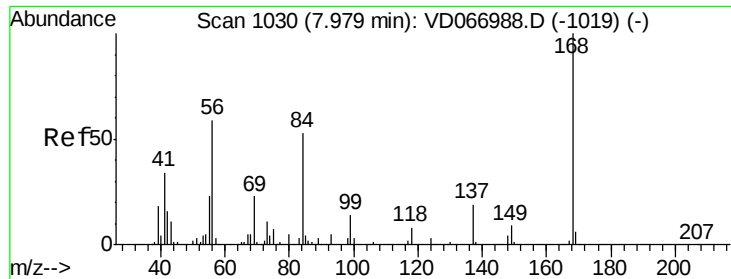
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. 0.01 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

Instrument :

MSVOA_D

ClientSampleId :

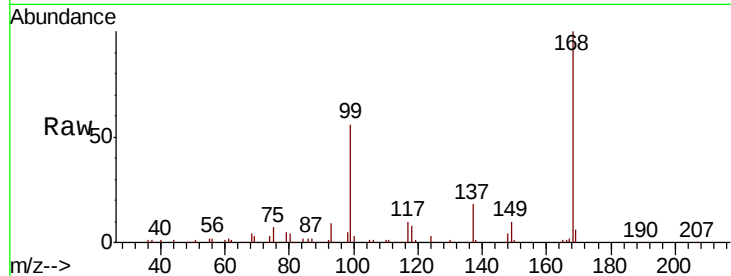
OWLS-HEAD-BH-05-B

Tot Ion:168 Resp: 381553

Ion Ratio Lower Upper

168 100

99 56.1 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

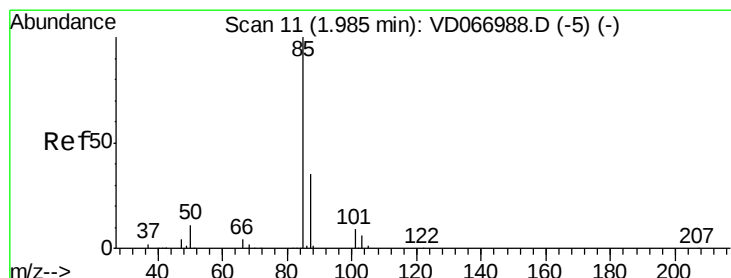
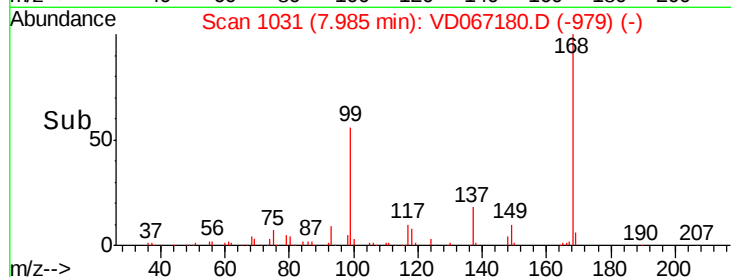
100000

50000

0

Time-->

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: VD067180.D

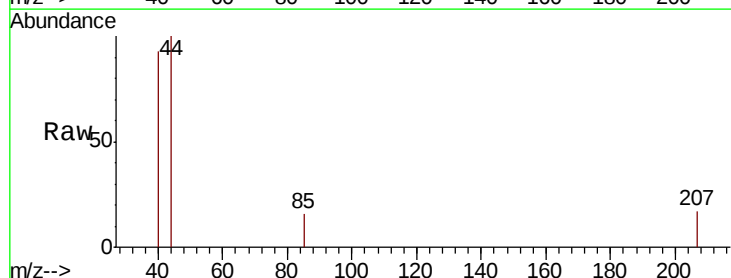
Acq: 08 Oct 2020 05:16

Tgt Ion: 85 Resp: 111

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

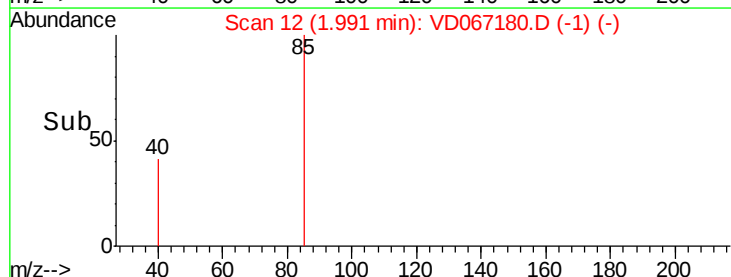
200

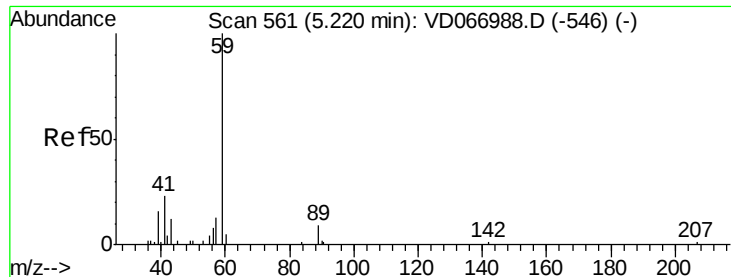
100

0

Time-->

1.97 1.98 1.99 2.00 2.01



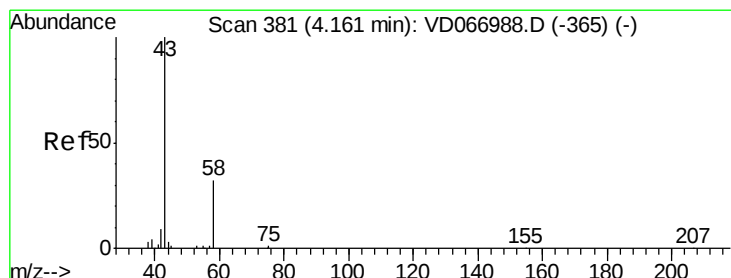
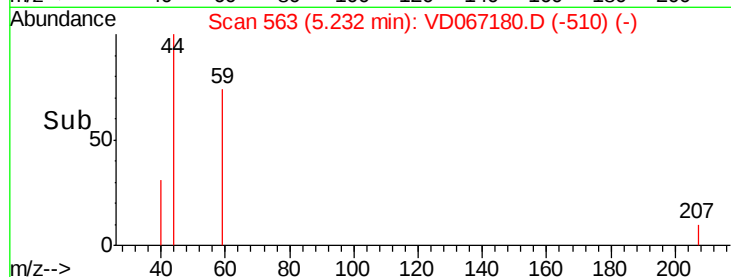
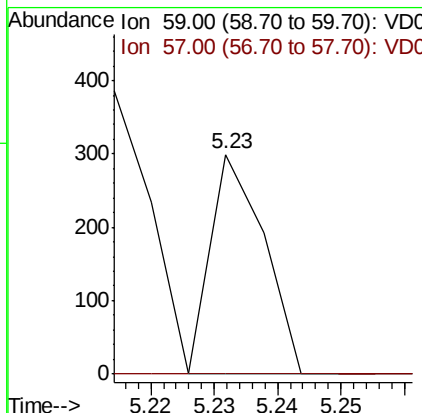
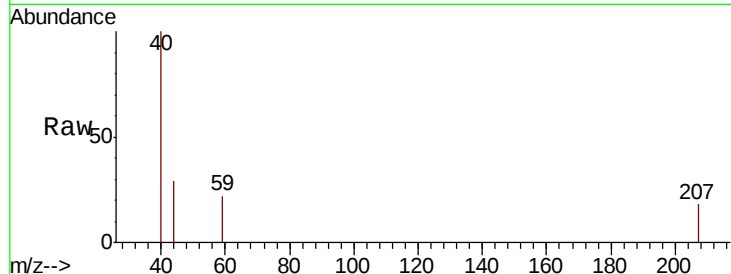


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD067180.D
 Acq: 08 Oct 2020 05:16

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

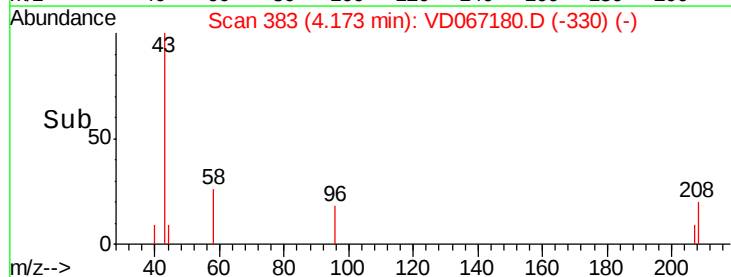
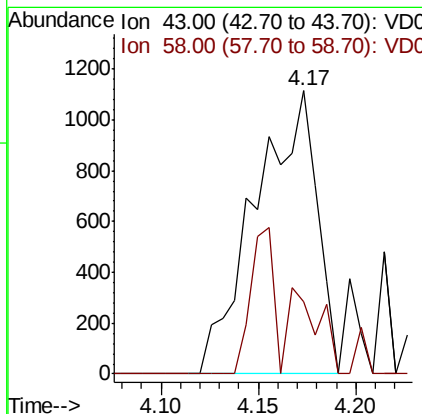
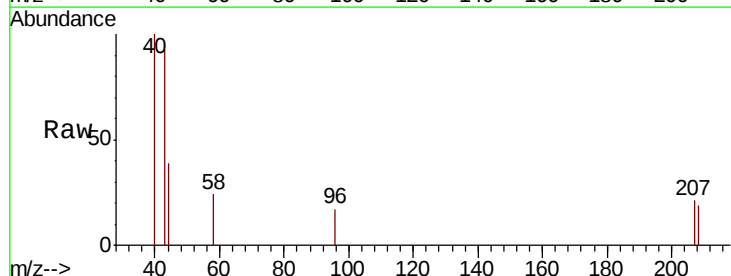
Tot Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

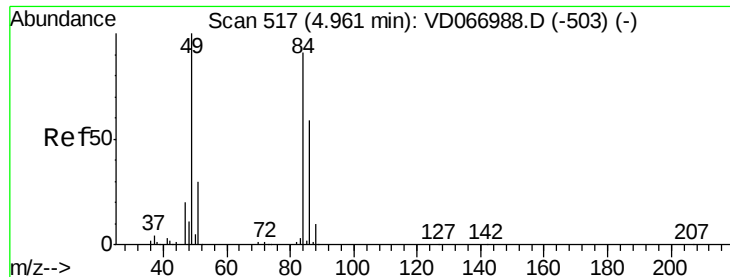


#16

Acetone
 Concen: 4.335 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD067180.D
 Acq: 08 Oct 2020 05:16

Tgt Ion: 43 Resp: 2432
 Ion Ratio Lower Upper
 43 100
 58 25.6 25.9 38.9#

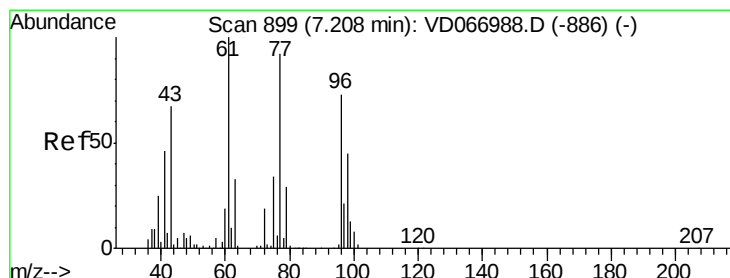
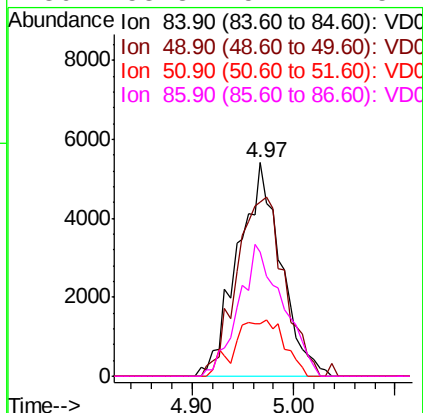
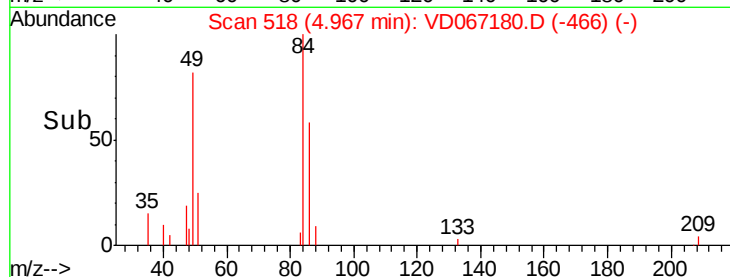
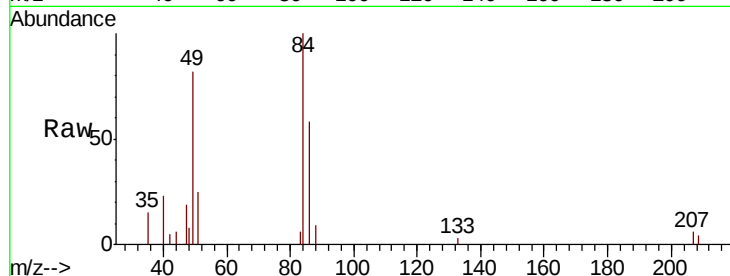




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

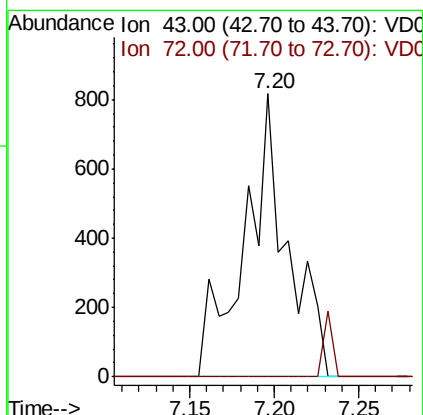
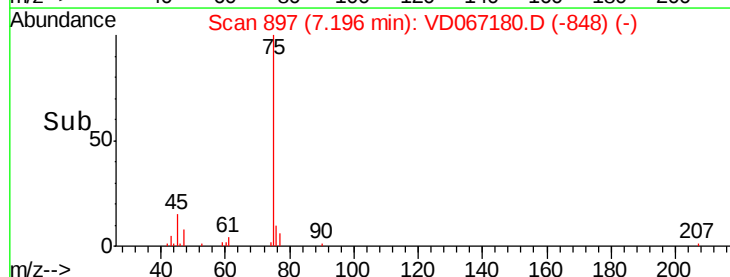
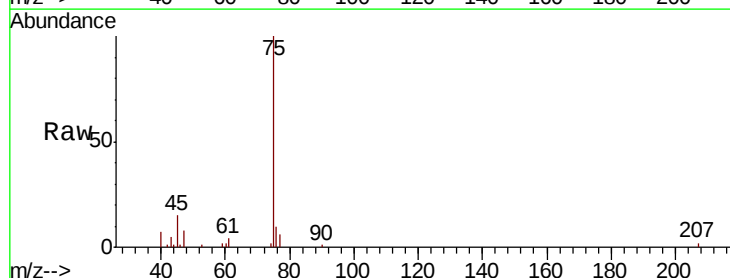
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-B

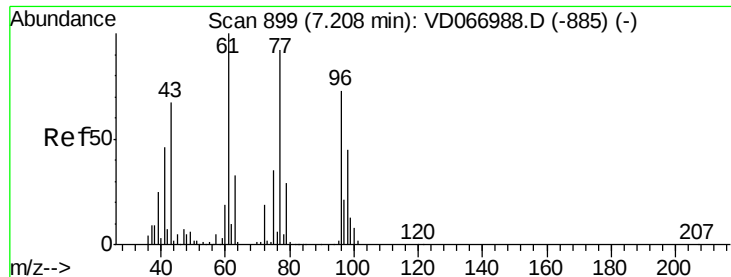
Tot Ion: 84 Resp: 16019
Ion Ratio Lower Upper
84 100
49 81.8 88.2 132.2#
51 24.5 26.6 39.8#
86 58.3 52.1 78.1



#25
2-Butanone
Concen: 1.814 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

Instrument :

MSVOA_D

ClientSampleId :

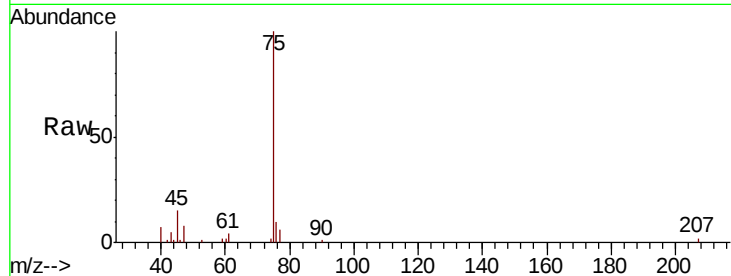
OWLS-HEAD-BH-05-B

Tot Ion: 77 Resp: 2173

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

7.20

1200

1000

800

600

400

200

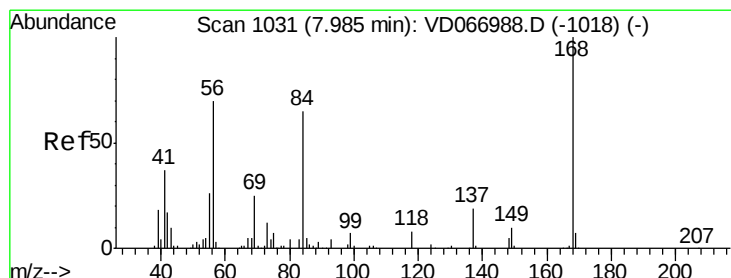
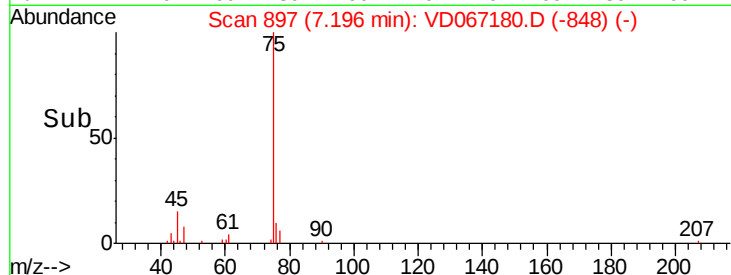
0

7.15

7.20

7.25

Time-->



#31

Cyclohexane

Concen: 1.418 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

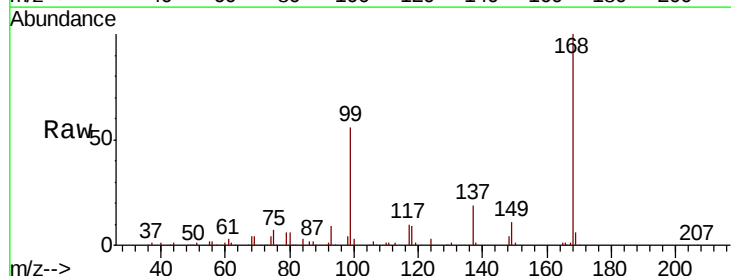
Tgt Ion: 56 Resp: 7825

Ion Ratio Lower Upper

56 100

69 172.1 29.0 43.6#

84 121.6 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

8000

6000

4000

2000

0

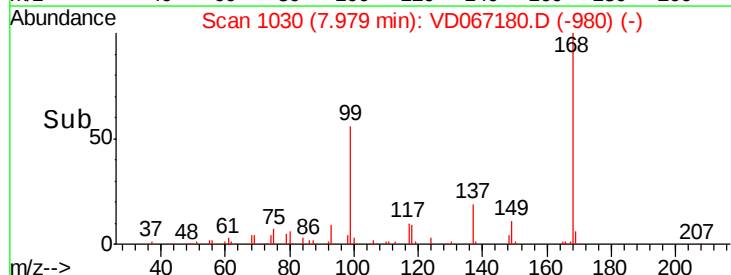
7.90

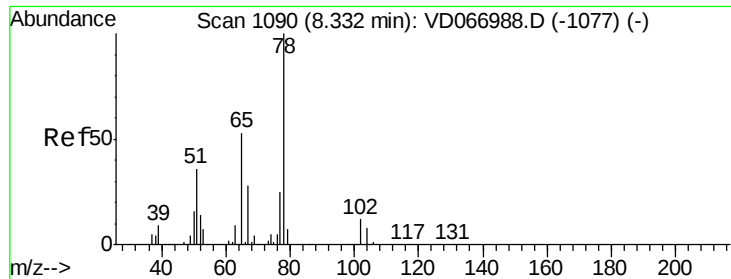
7.95

8.00

8.05

Time-->

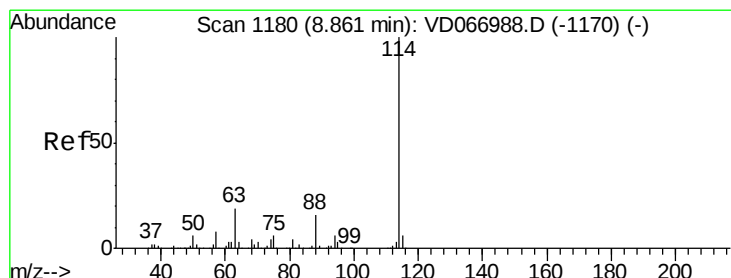
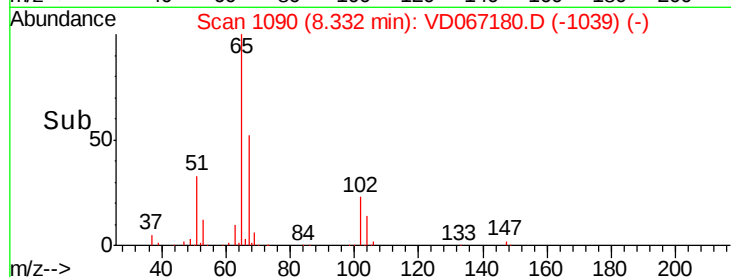
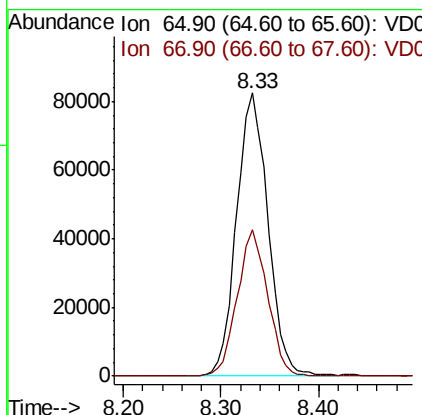
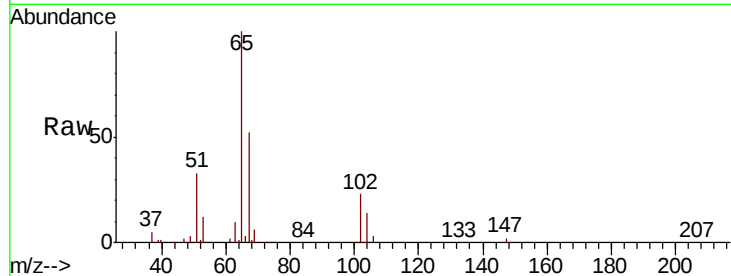




#33
 1,2-Dichloroethane-d4
 Concen: 50.228 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067180.D
 Acq: 08 Oct 2020 05:16

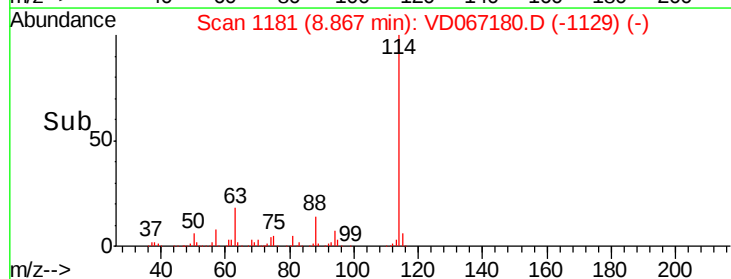
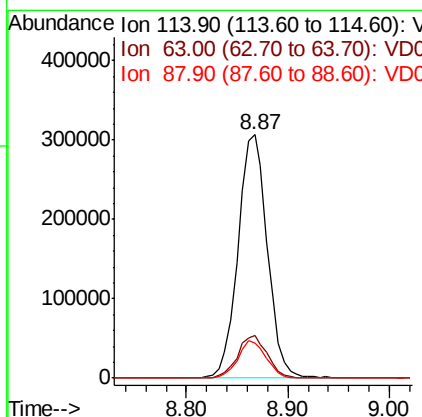
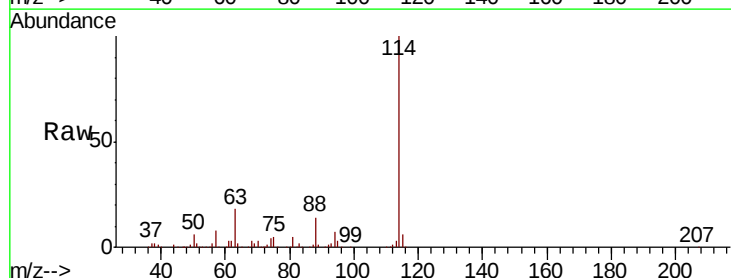
Instrument :
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 OWLS-HEAD-BH-05-B

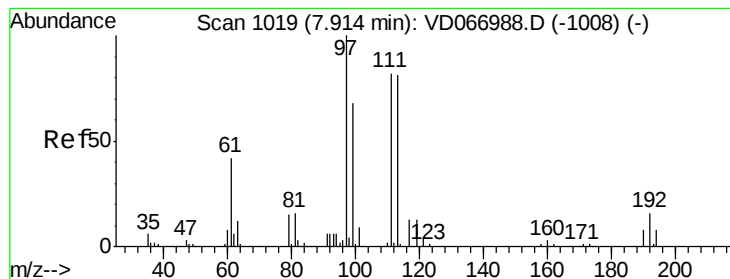
Tot Ion: 65 Resp: 184593
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067180.D
 Acq: 08 Oct 2020 05:16

Tgt Ion: 114 Resp: 615382
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 38.4
 88 14.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.812 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-B

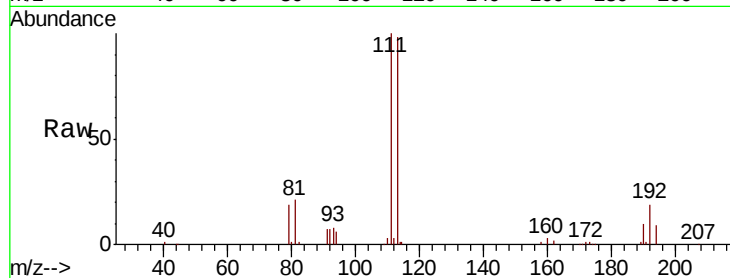
Tot Ion:113 Resp: 196653

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

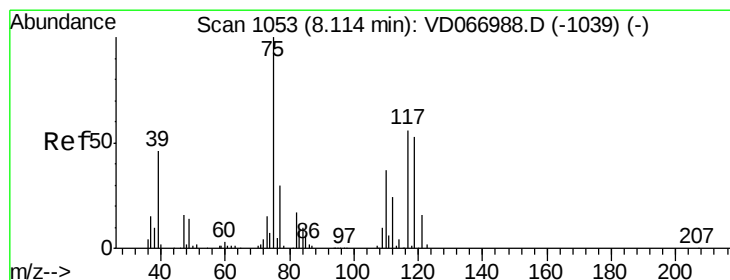
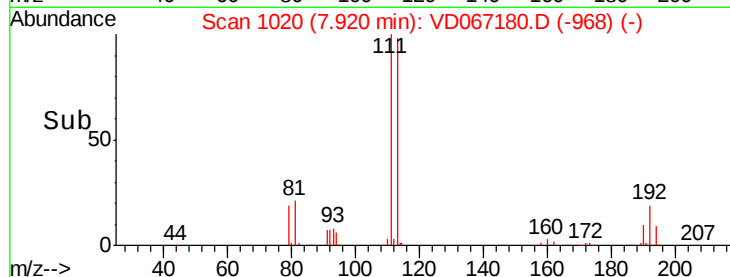
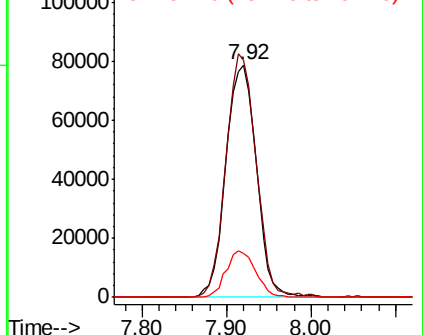
192 19.5 15.5 23.3



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: 4.937 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

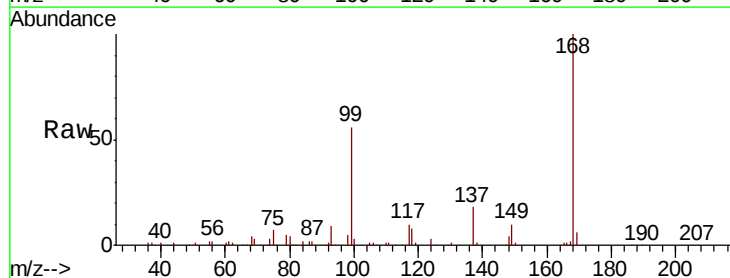
Tgt Ion: 75 Resp: 28320

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

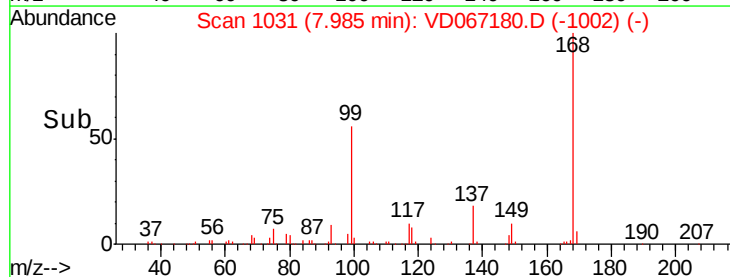
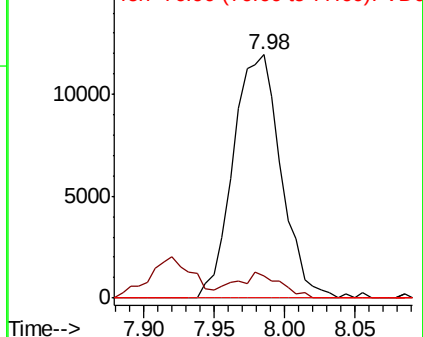
77 0.0 24.8 37.2#

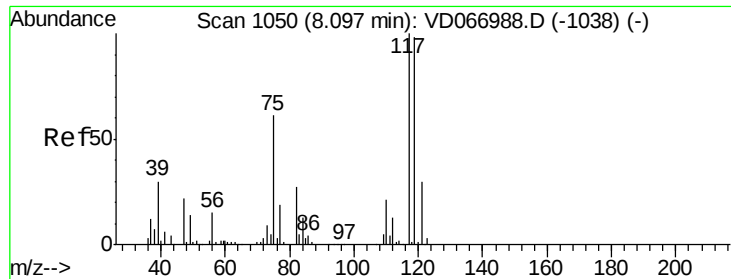


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

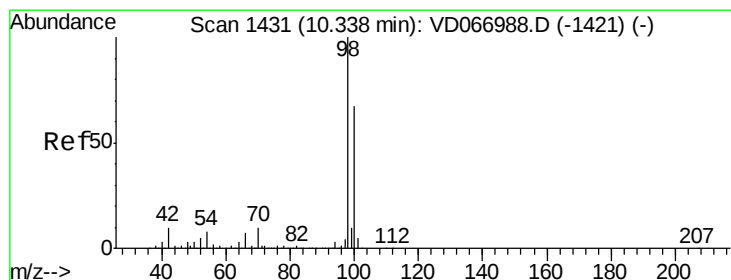
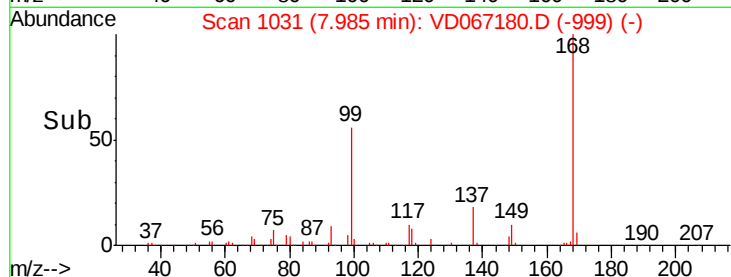
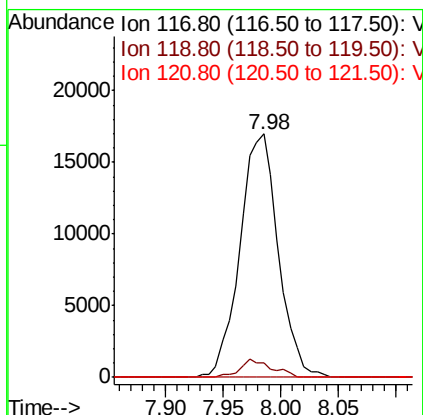
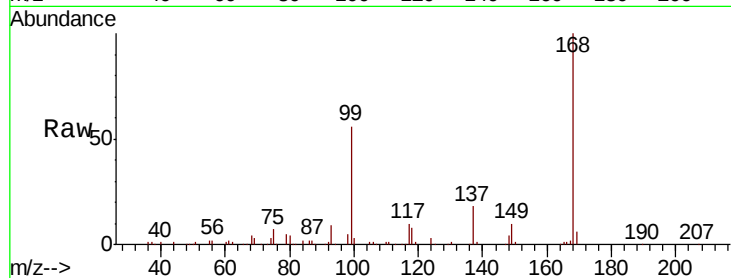




#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

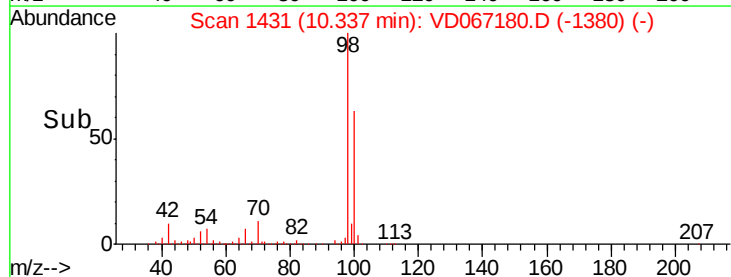
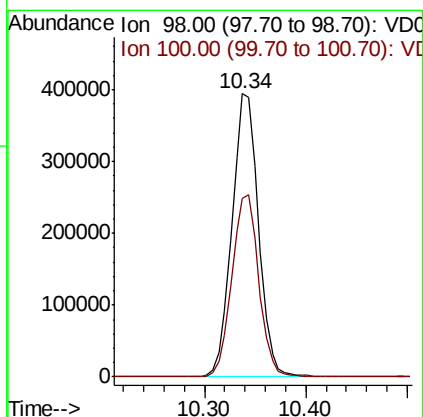
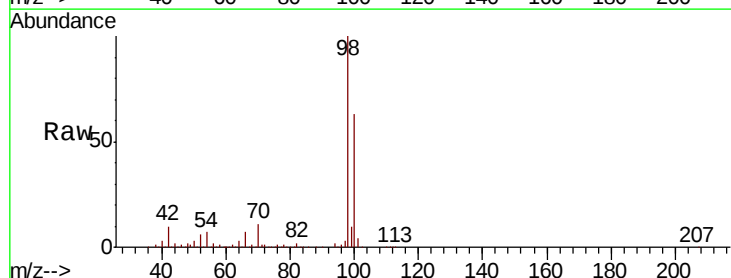
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-B

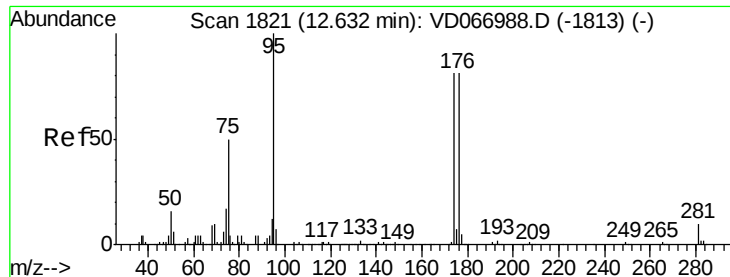
Tot Ion:117 Resp: 39270
Ion Ratio Lower Upper
117 100
119 5.8 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.803 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

Tgt Ion: 98 Resp: 716449
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

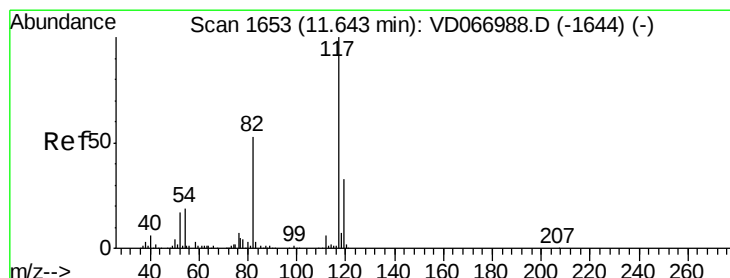
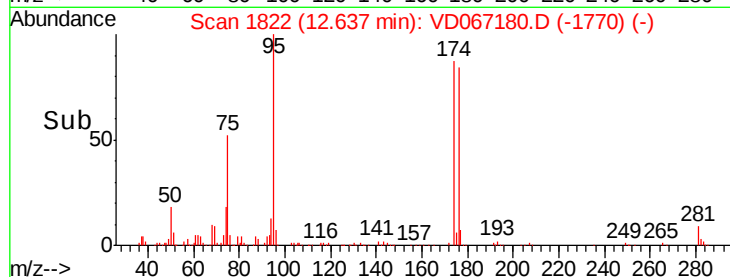
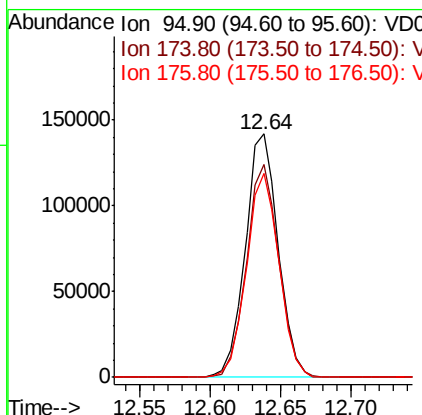
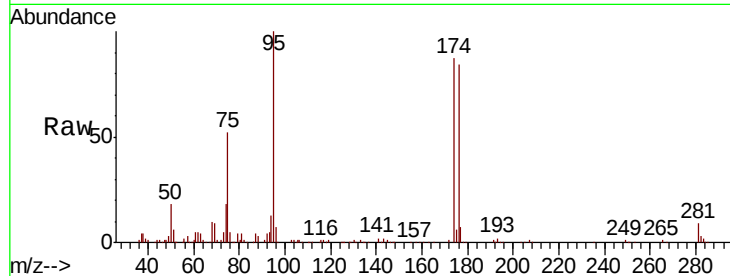




#62
4-Bromofluorobenzene
Concen: 46.383 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

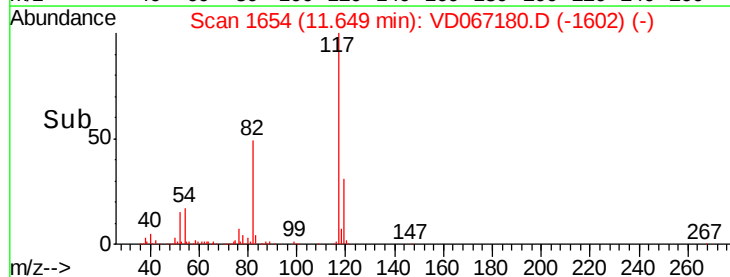
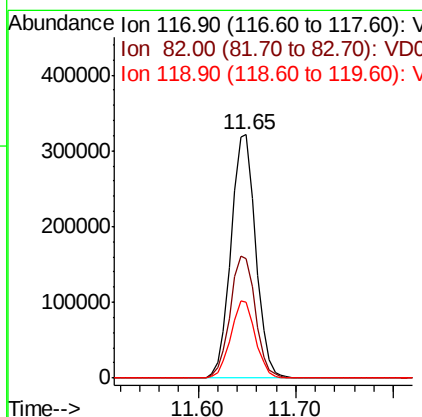
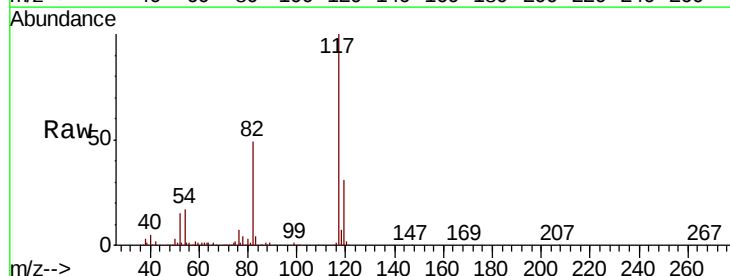
Instrument :
MSVOA_D
ClientSampleId :
OWLS-HEAD-BH-05-B

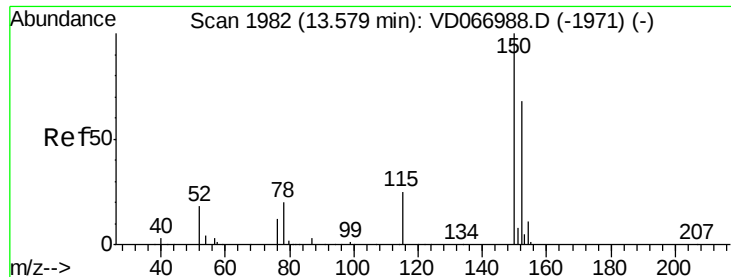
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	167.6
176	83.4	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067180.D
Acq: 08 Oct 2020 05:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.1	42.6	63.8
119	31.1	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: VD067180.D

Acq: 08 Oct 2020 05:16

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-B

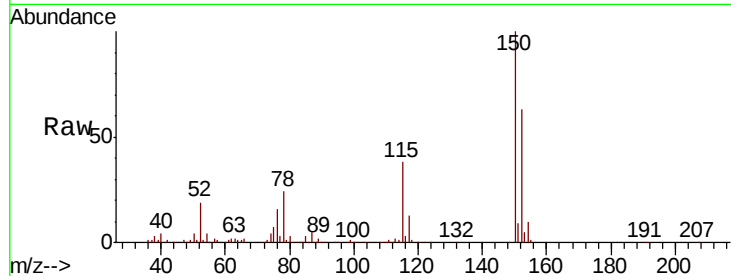
Tot Ion:152 Resp: 251274

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.8

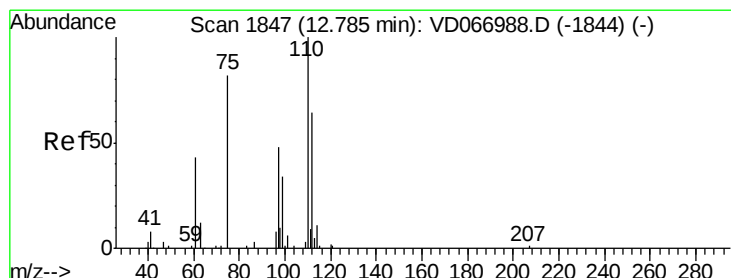
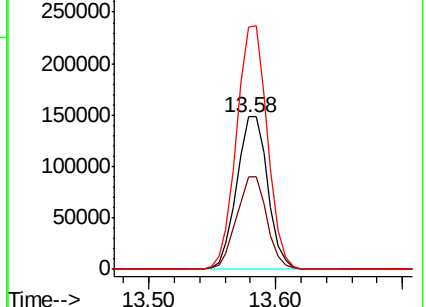
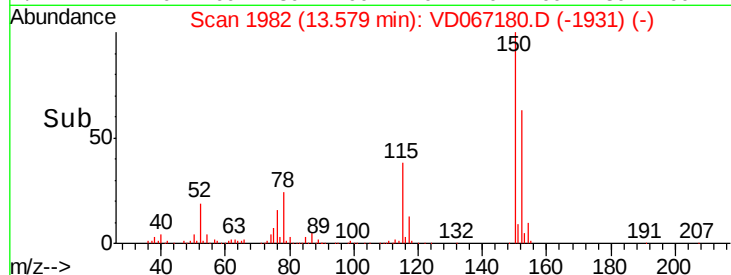
150 158.4 0.0 344.8



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: 53.526 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067180.D

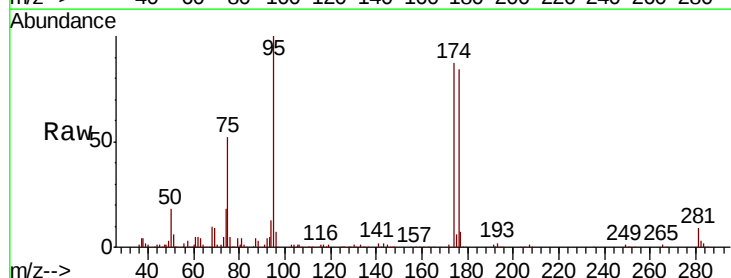
Acq: 08 Oct 2020 05:16

Tgt Ion: 75 Resp: 117151

Ion Ratio Lower Upper

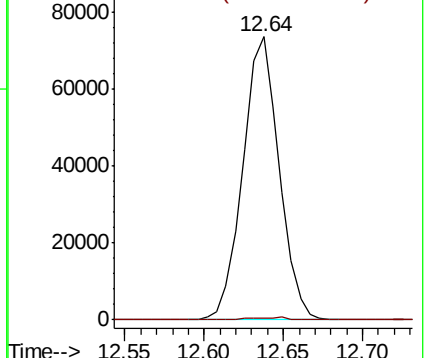
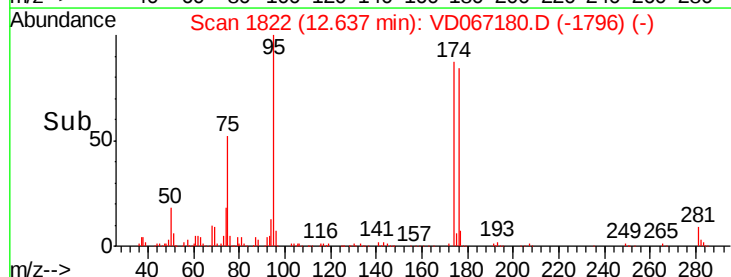
75 100

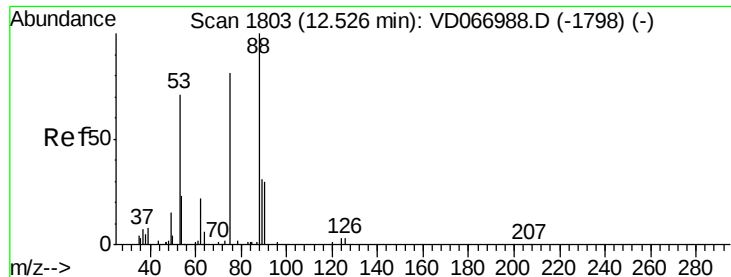
77 0.9 0.0 0.0#



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: 133.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067180.D

Acq: 08 Oct 2020 05:16

Instrument :

MSVOA_D

ClientSampleId :

OWLS-HEAD-BH-05-B

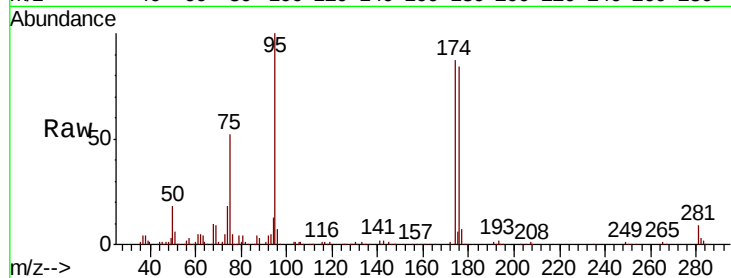
Tot Ion: 75 Resp: 117151

Ion Ratio Lower Upper

75 100

53 0.0 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

