

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067321.D
 Acq On : 20 Oct 2020 13:56
 Operator : VA/SY
 Sample : L4461-02
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

Quant Time: Oct 21 01:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	582533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	174790	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.92	113	199111	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.34	98	647876	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.64	95	144916	29.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.42%	

Target Compounds

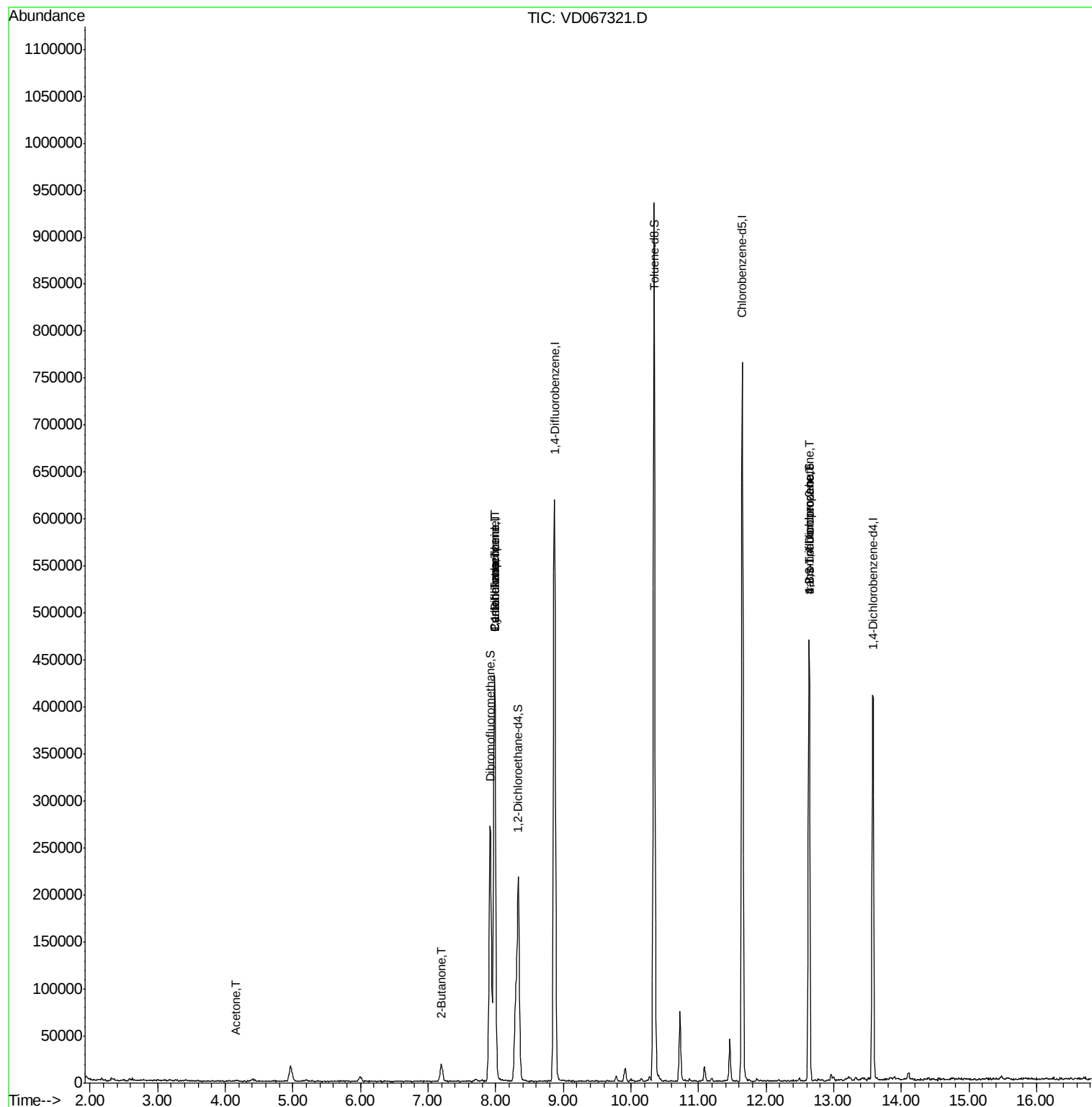
					Qvalue
2) Dichlorodifluoromethane	1.99	85	553	Below Cal	91
5) Bromomethane	2.80	94	510	Below Cal	98
11) Tert butyl alcohol	5.23	59	401	Below Cal #	81
16) Acetone	4.17	43	2681	5.731 ug/l	99
20) Methylene Chloride	4.98	84	13368	Below Cal #	83
25) 2-Butanone	7.20	43	800	1.500 ug/l #	45
31) Cyclohexane	7.98	56	6819	1.772 ug/l #	44
36) 1,1-Dichloropropene	7.98	75	23688	4.798 ug/l #	49
38) Carbon Tetrachloride	7.98	117	36451	5.776 ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	69778	83.322 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69778	188.951 ug/l #	10

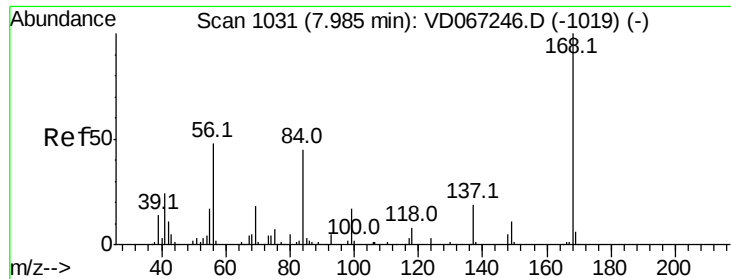
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

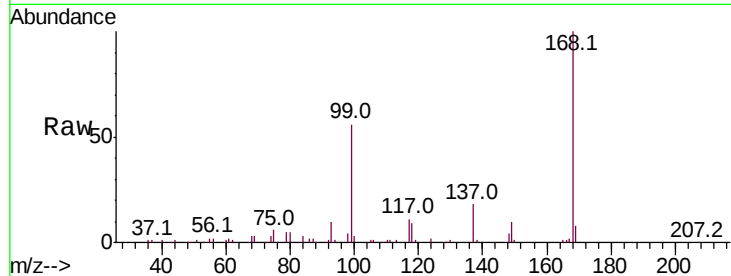
WCS-OH-B2-0.2-4.5

Tot Ion:168 Resp: 333397

Ion Ratio Lower Upper

168 100

99 56.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

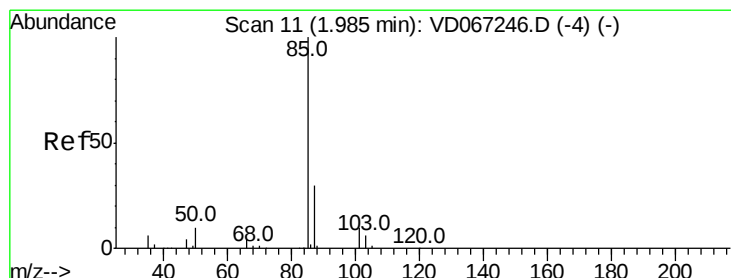
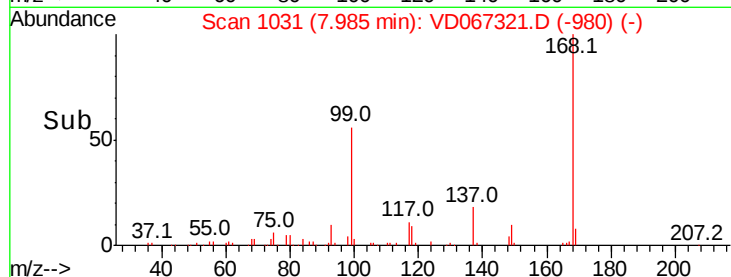
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067321.D

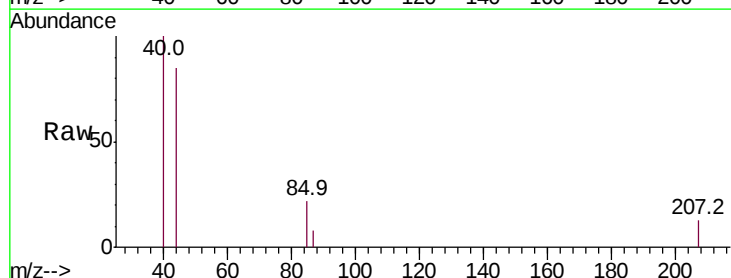
Acq: 20 Oct 2020 13:56

Tgt Ion: 85 Resp: 553

Ion Ratio Lower Upper

85 100

87 35.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

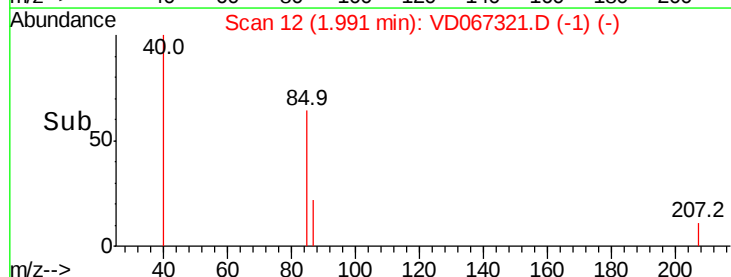
300

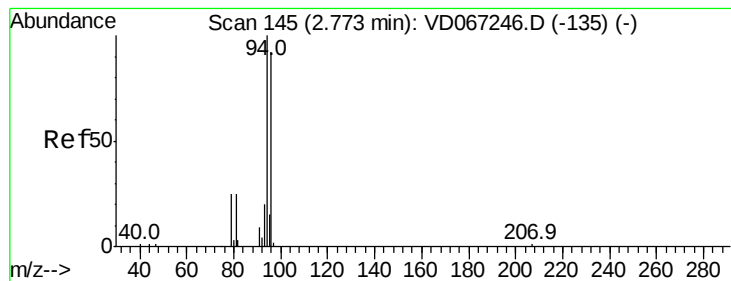
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

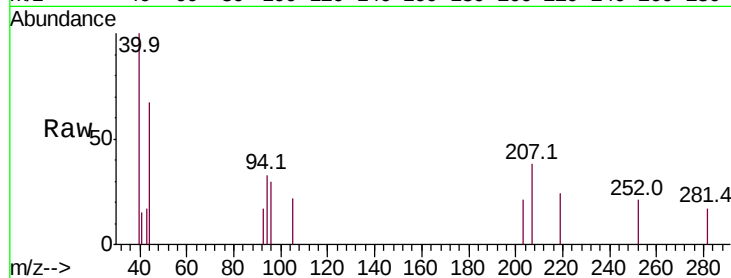
WCS-OH-B2-0.2-4.5

Tot Ion: 94 Resp: 510

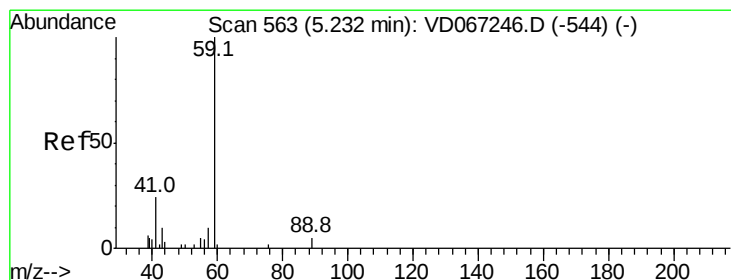
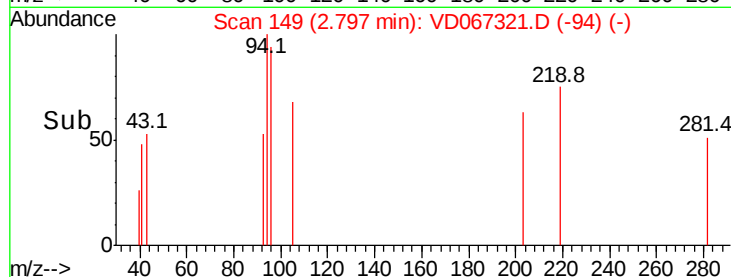
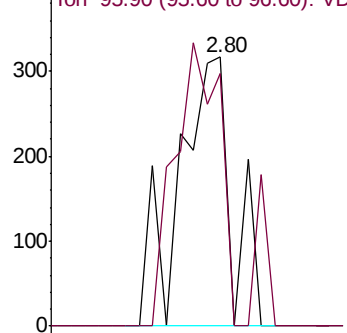
Ion Ratio Lower Upper

94 100

96 93.7 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD067321.D

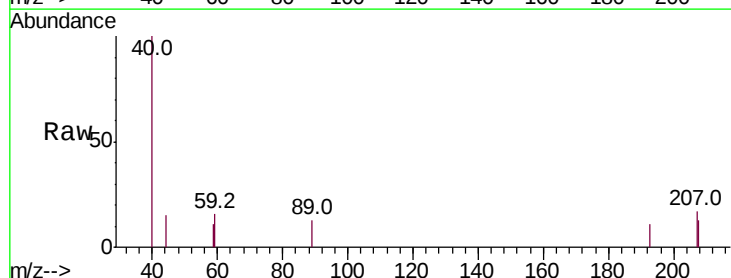
Acq: 20 Oct 2020 13:56

Tgt Ion: 59 Resp: 401

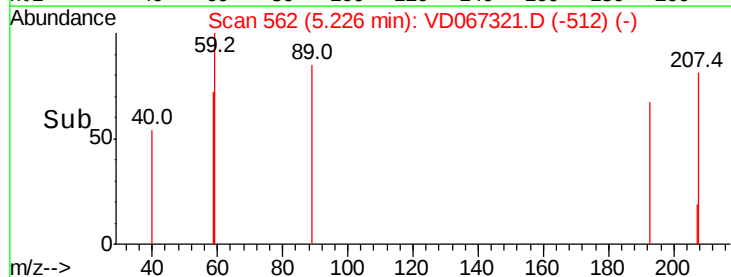
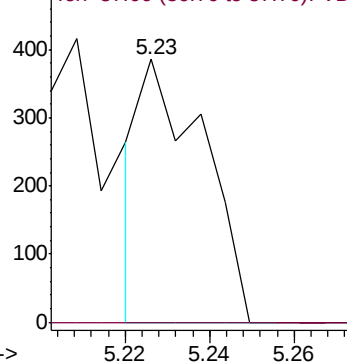
Ion Ratio Lower Upper

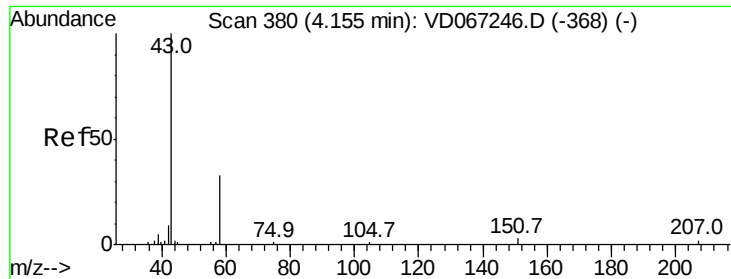
59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 5.731 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

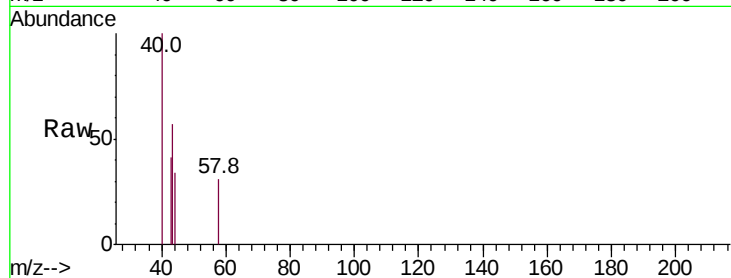
WCS-OH-B2-0.2-4.5

Tot Ion: 43 Resp: 2681

Ion Ratio Lower Upper

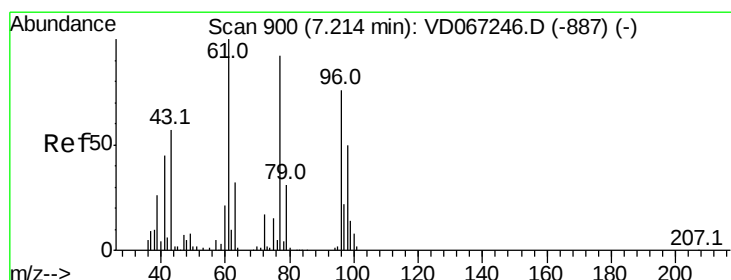
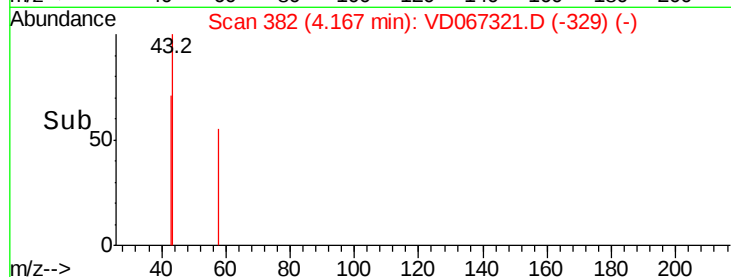
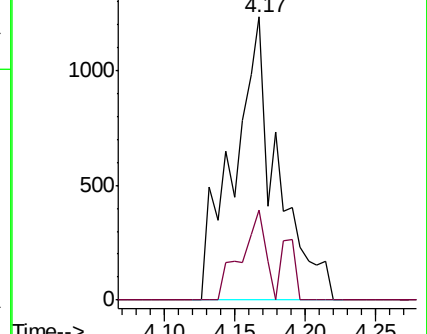
43 100

58 31.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.500 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067321.D

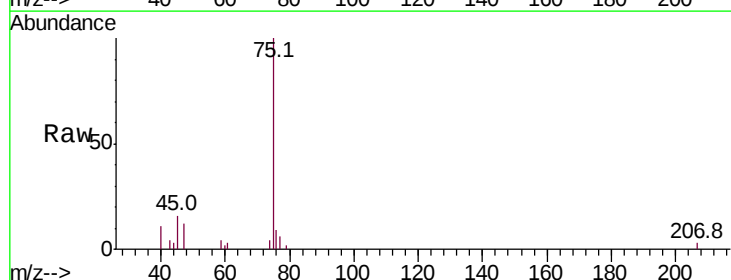
Acq: 20 Oct 2020 13:56

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

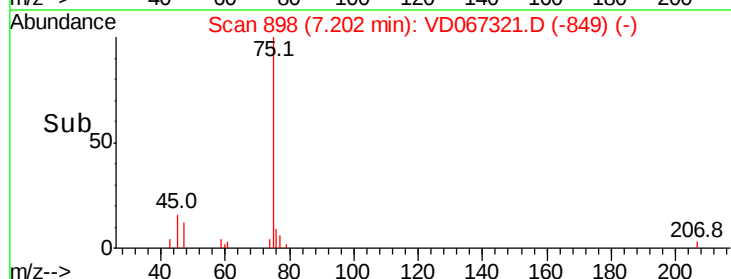
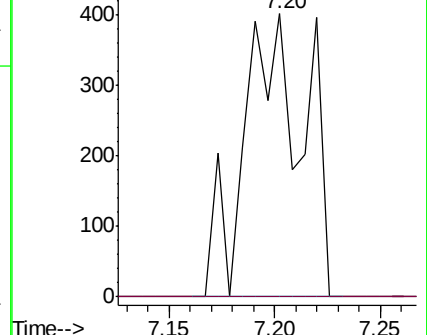
43 100

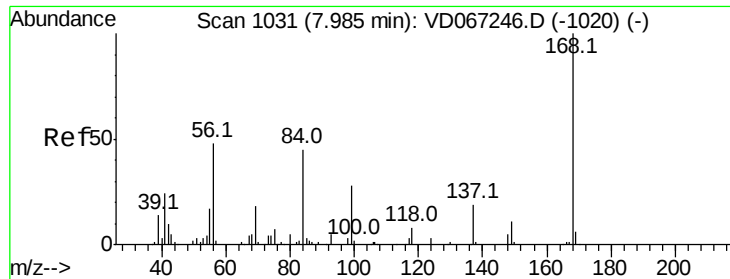
72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

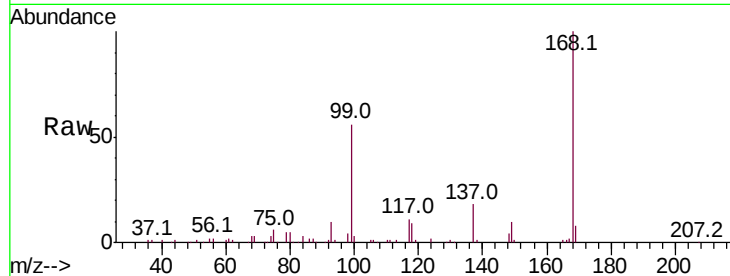




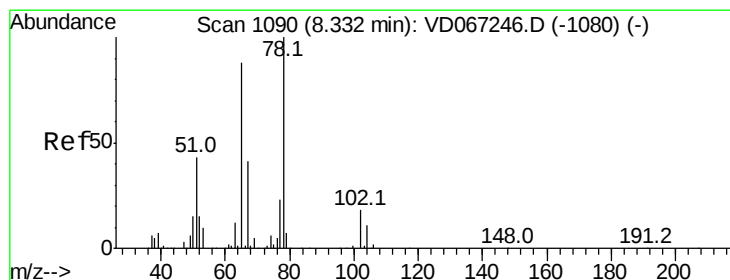
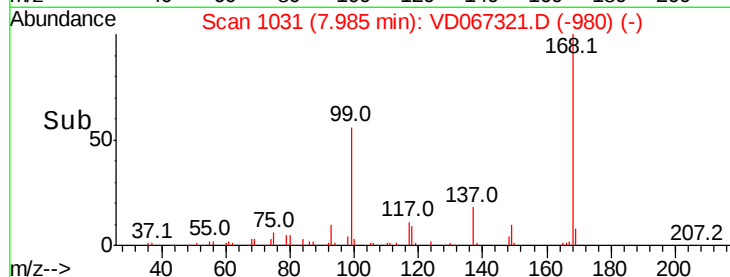
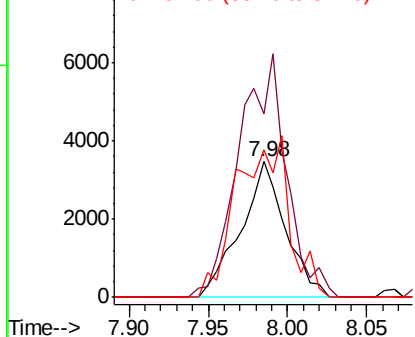
#31
Cyclohexane
Concen: 1.772 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067321.D
Acq: 20 Oct 2020 13:56

Instrument :
MSVOA_D
ClientSampleId :
WCS-OH-B2-0.2-4.5

Tot Ion: 56 Resp: 6819
Ion Ratio Lower Upper
56 100
69 134.9 29.8 44.6#
84 109.1 76.6 114.8

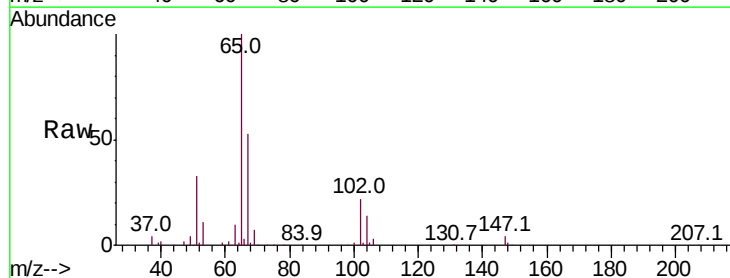


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

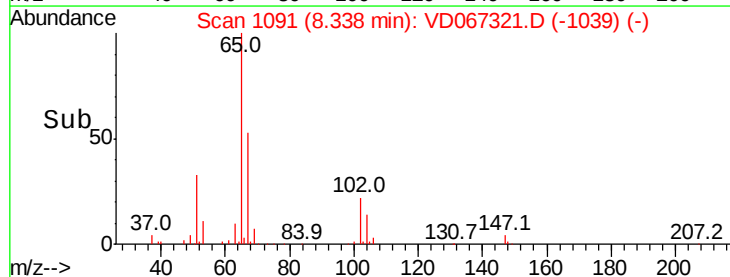
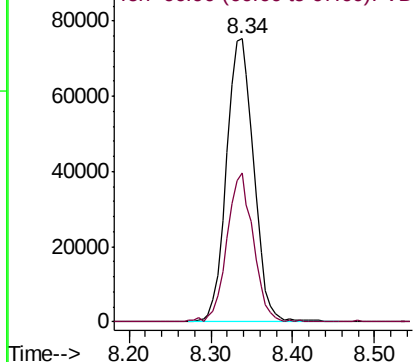


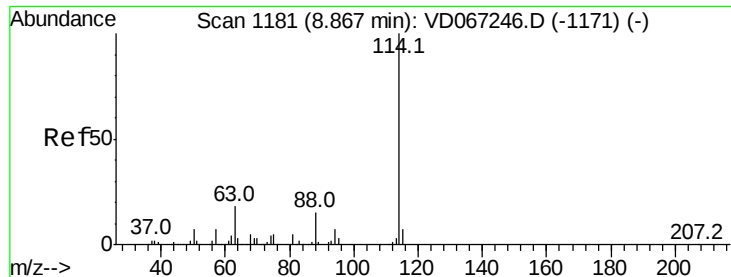
#33
1,2-Dichloroethane-d4
Concen: 52.330 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067321.D
Acq: 20 Oct 2020 13:56

Tgt Ion: 65 Resp: 174790
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8



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

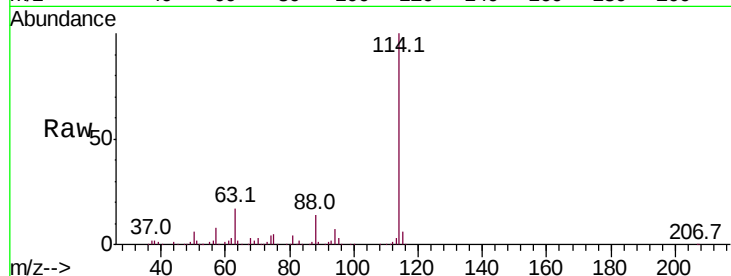




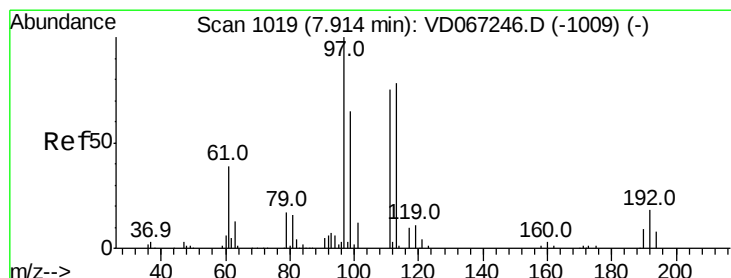
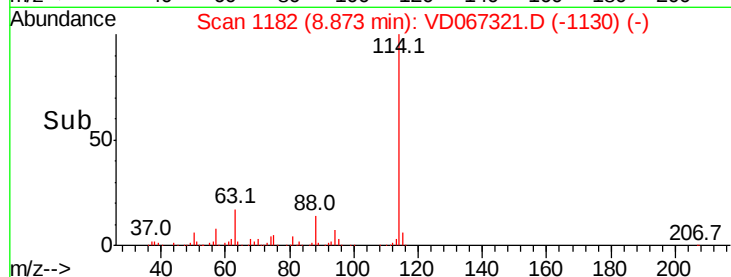
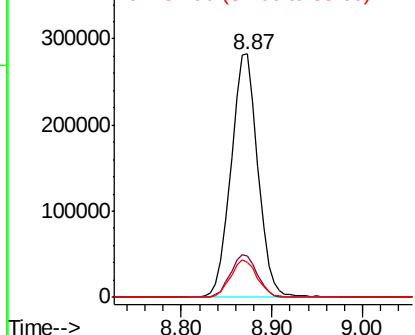
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067321.D
 Acq: 20 Oct 2020 13:56

Instrument :
 MSVOA_D
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.0
88	14.1	0.0	30.6

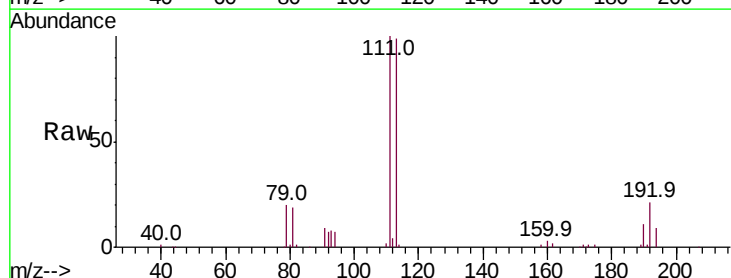


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

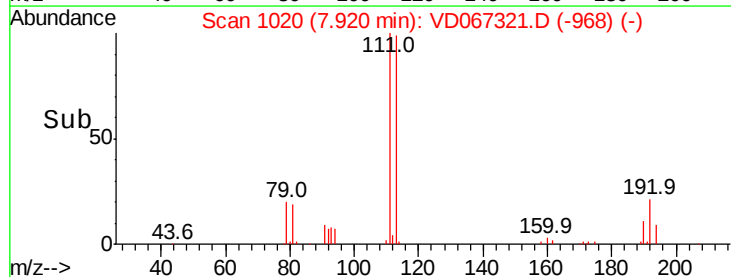
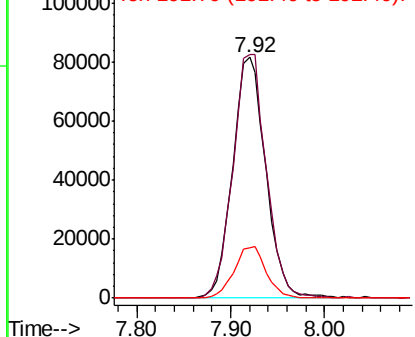


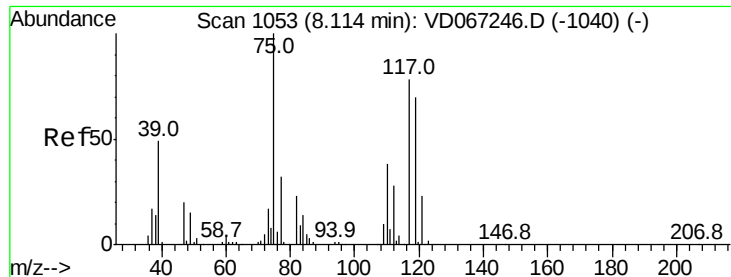
#35
 Dibromofluoromethane
 Concen: 51.360 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067321.D
 Acq: 20 Oct 2020 13:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	20.8	17.0	25.4



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: 4.798 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

WCS-OH-B2-0.2-4.5

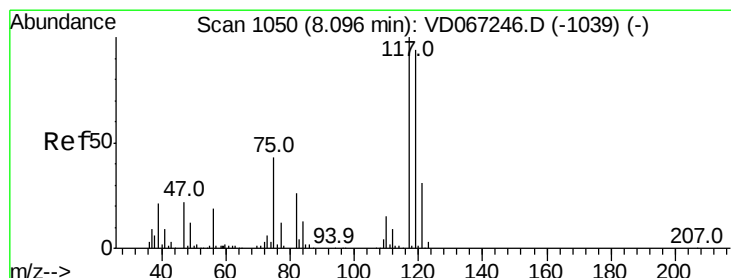
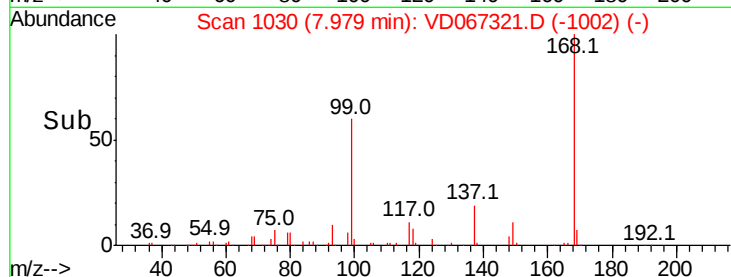
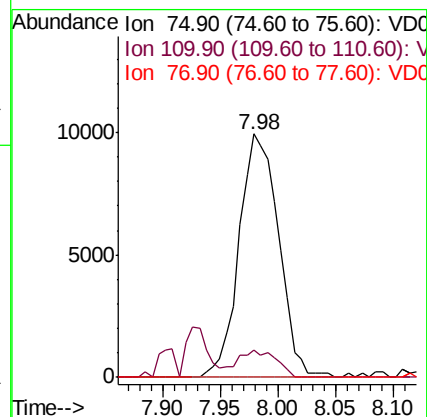
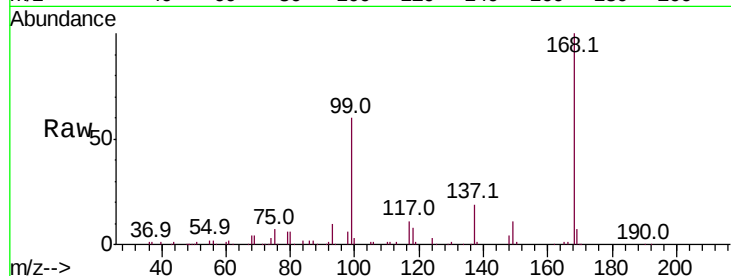
Tot Ion: 75 Resp: 23688

Ion Ratio Lower Upper

75 100

110 9.9 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.776 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

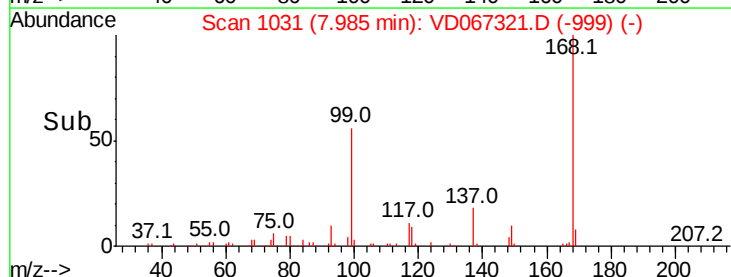
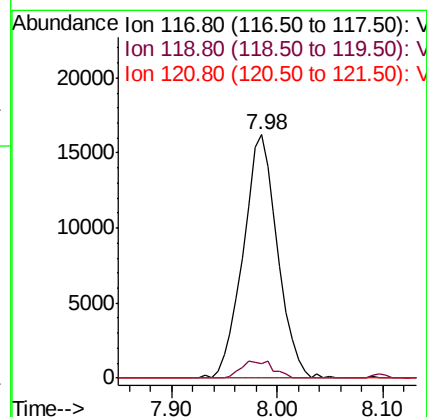
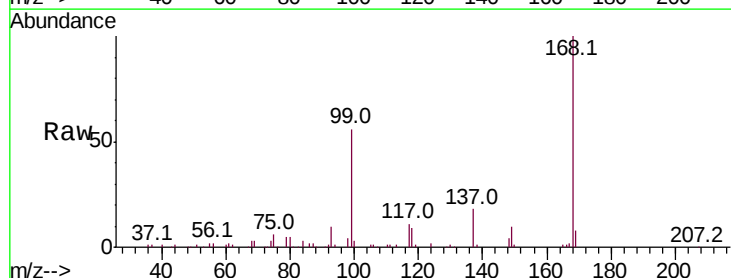
Tgt Ion: 117 Resp: 36451

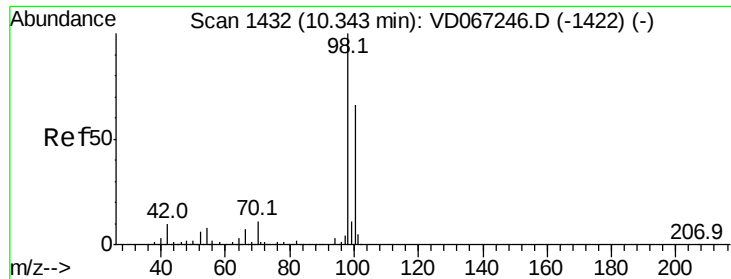
Ion Ratio Lower Upper

117 100

119 6.2 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 46.179 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

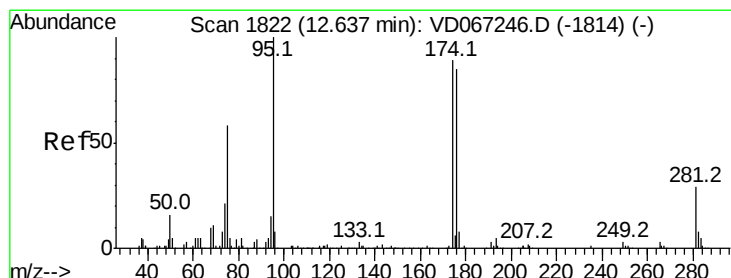
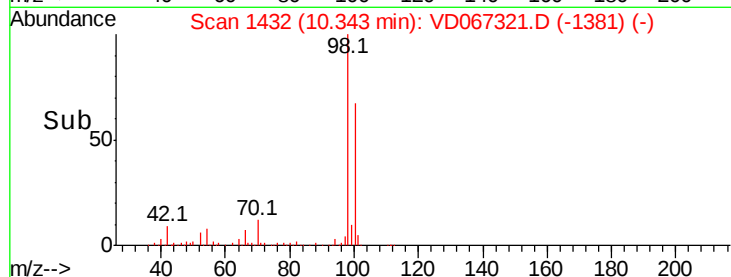
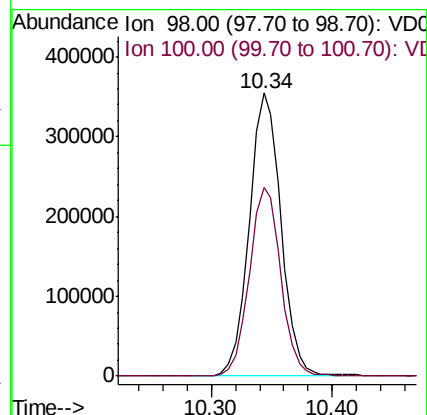
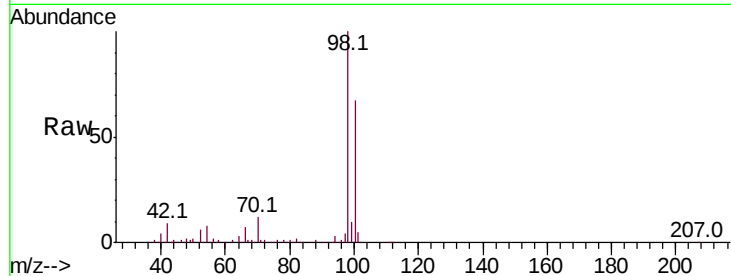
WCS-OH-B2-0.2-4.5

Tot Ion: 98 Resp: 647876

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 29.706 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

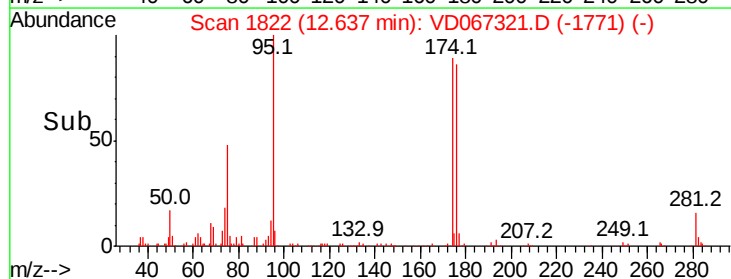
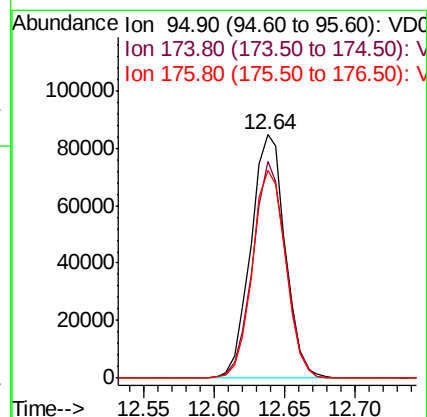
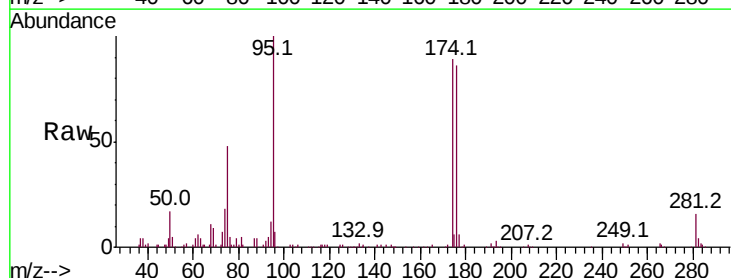
Tgt Ion: 95 Resp: 144916

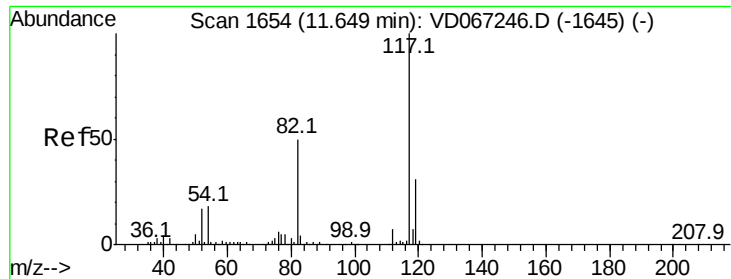
Ion Ratio Lower Upper

95 100

174 85.4 0.0 175.2

176 83.0 0.0 168.6

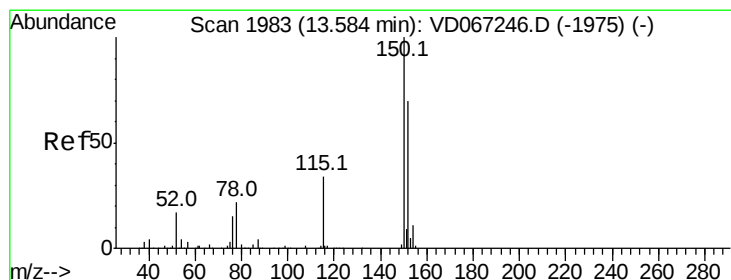
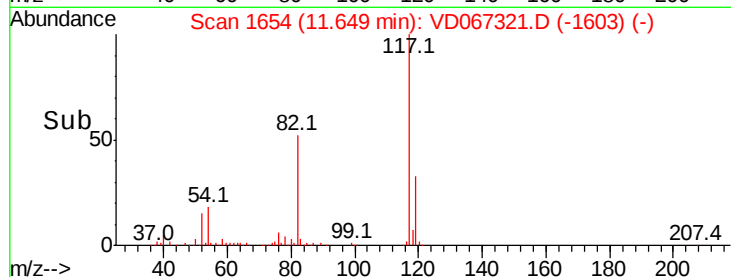
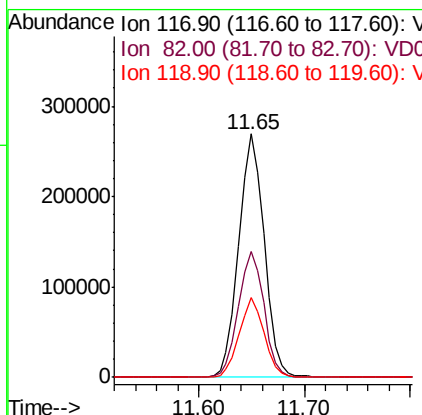
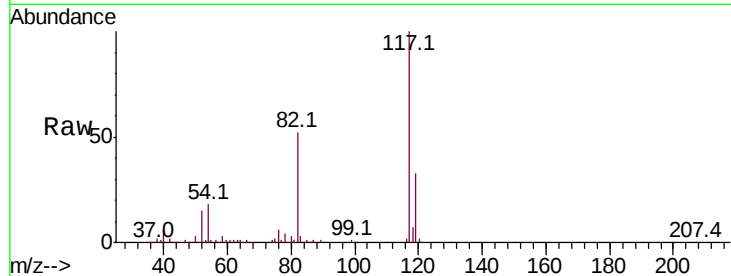




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067321.D
Acq: 20 Oct 2020 13:56

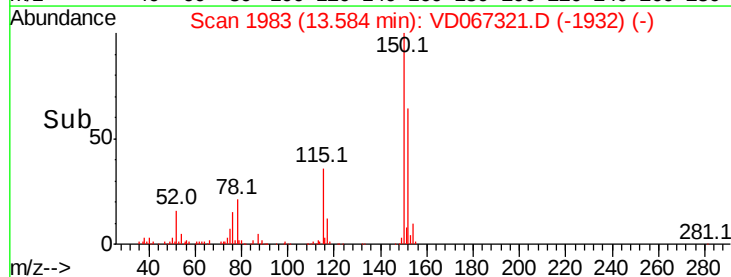
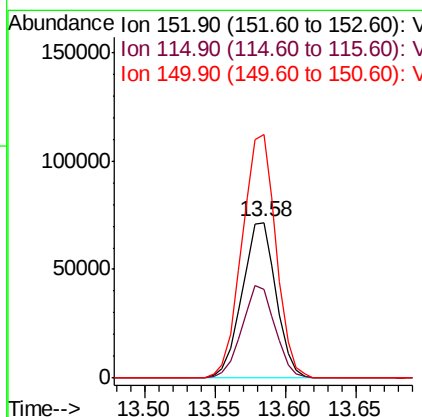
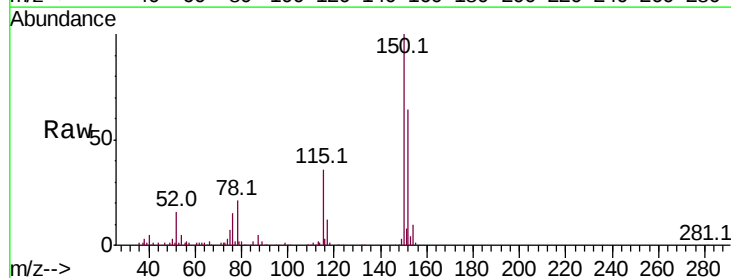
Instrument :
MSVOA_D
ClientSampleId :
WCS-OH-B2-0.2-4.5

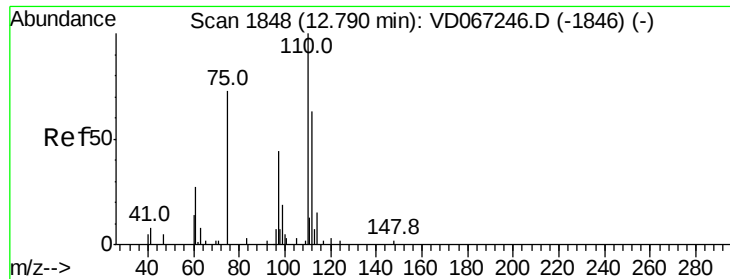
Tot Ion:117 Resp: 449610
Ion Ratio Lower Upper
117 100
82 51.6 39.9 59.9
119 32.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067321.D
Acq: 20 Oct 2020 13:56

Tgt Ion:152 Resp: 120827
Ion Ratio Lower Upper
152 100
115 58.0 29.3 87.9
150 156.3 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 83.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

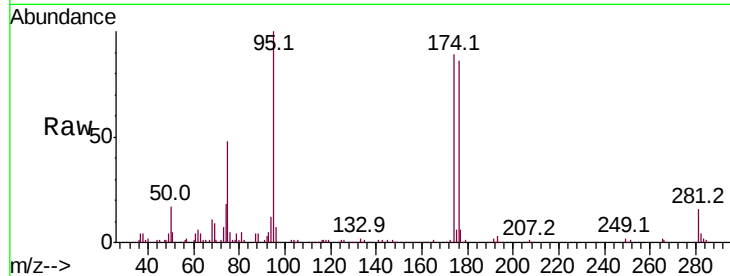
WCS-OH-B2-0.2-4.5

Tot Ion: 75 Resp: 69778

Ion Ratio Lower Upper

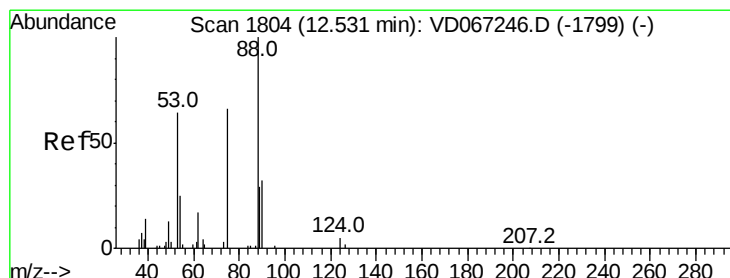
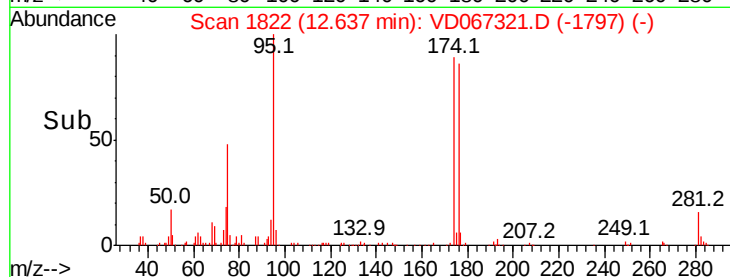
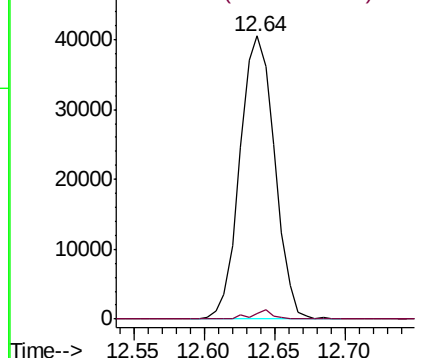
75 100

77 1.9 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: 188.951 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067321.D

Acq: 20 Oct 2020 13:56

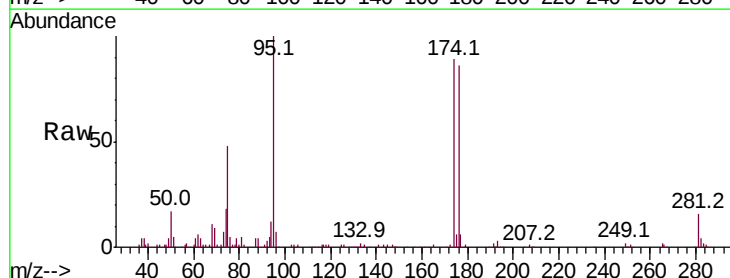
Tgt Ion: 75 Resp: 69778

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.3 39.9 59.9#



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

