

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067320.D
 Acq On : 20 Oct 2020 13:28
 Operator : VA/SY
 Sample : L4461-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WCS-OH-F1-5.0-10.0

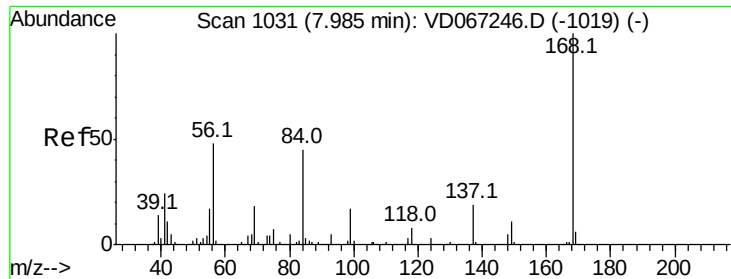
Quant Time: Oct 21 01:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	377703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	652259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	635933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296408	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	184763	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	7.92	113	204647	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.34	98	785918	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.64	95	281909	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	500	Below Cal	#	44
5) Bromomethane	2.78	94	231	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	622	Below Cal	#	81
16) Acetone	4.16	43	1026	1.936	ug/l #	42
20) Methylene Chloride	4.96	84	14326	Below Cal		93
31) Cyclohexane	7.98	56	7918	1.817	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	26298	4.757	ug/l #	49
38) Carbon Tetrachloride	7.98	117	36206	5.124	ug/l #	16
51) 4-Methyl-2-Pentanone	10.24	43	1951	1.212	ug/l #	78
76) 1,2,3-Trichloropropane	12.64	75	138719	67.523	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138719	153.123	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

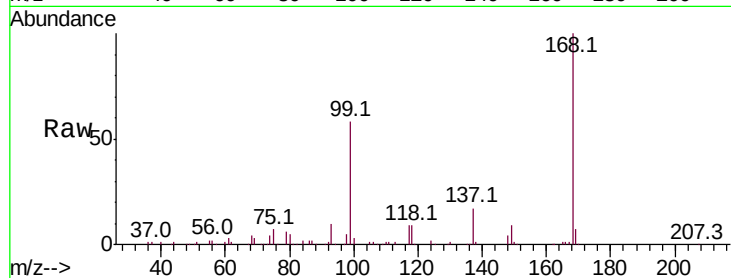
WCS-OH-F1-5.0-10.0

Tot Ion:168 Resp: 377703

Ion Ratio Lower Upper

168 100

99 57.4 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

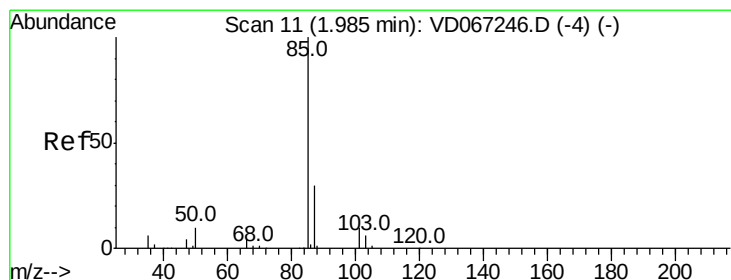
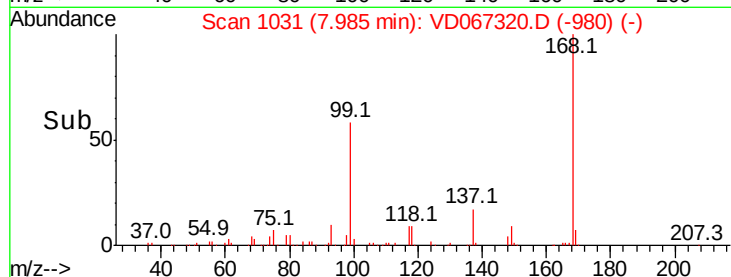
100000

50000

0

Time-->

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: VD067320.D

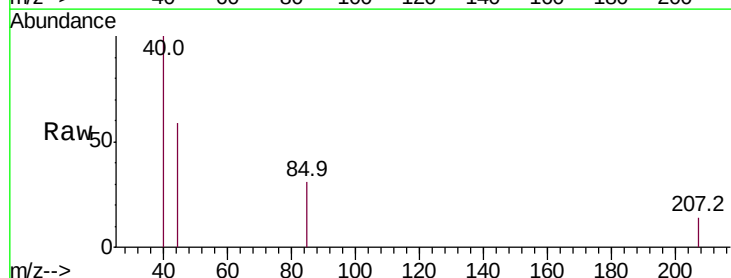
Acq: 20 Oct 2020 13:28

Tgt Ion: 85 Resp: 500

Ion Ratio Lower Upper

85 100

87 0.0 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

600

500

400

300

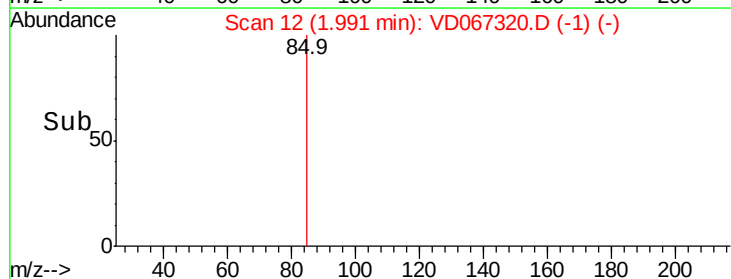
200

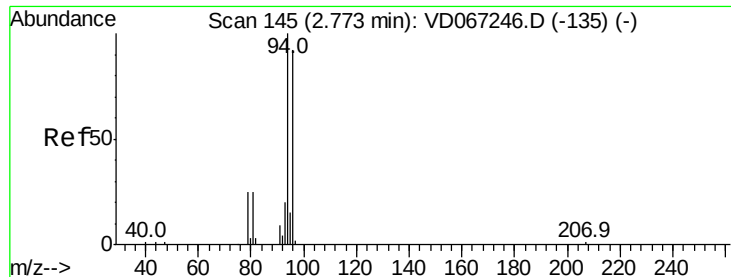
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

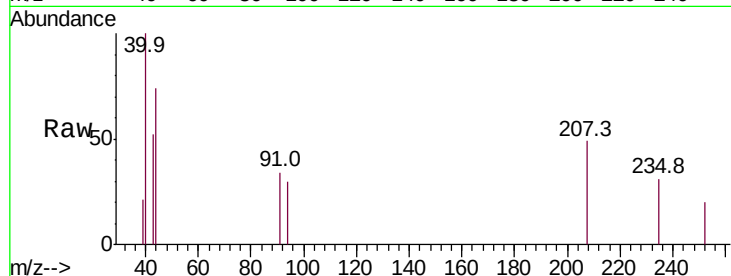
WCS-OH-F1-5.0-10.0

Tot Ion: 94 Resp: 231

Ion Ratio Lower Upper

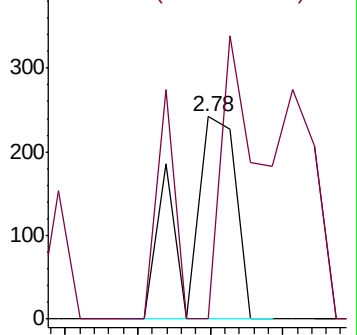
94 100

96 0.0 73.8 110.6#

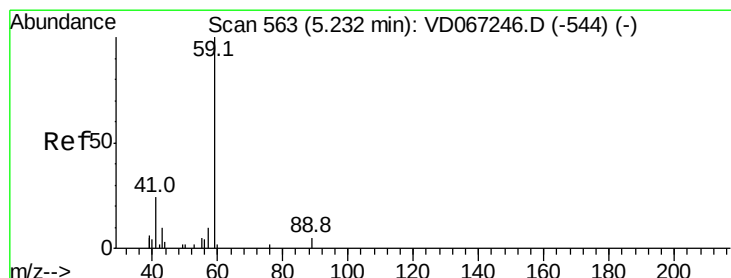
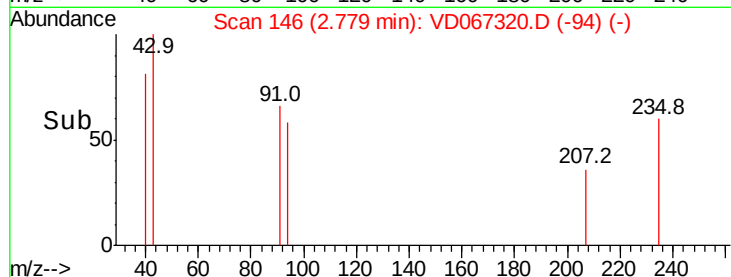


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067320.D

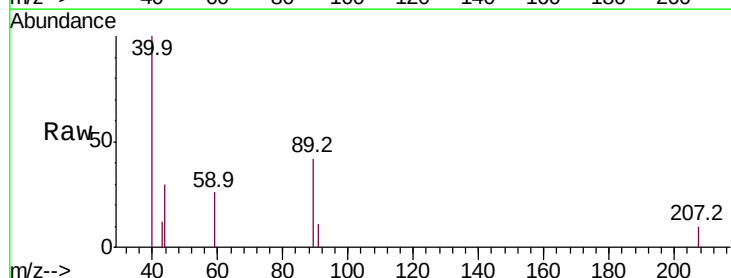
Acq: 20 Oct 2020 13:28

Tgt Ion: 59 Resp: 622

Ion Ratio Lower Upper

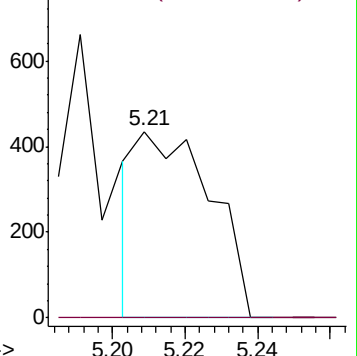
59 100

57 0.0 5.1 7.7#

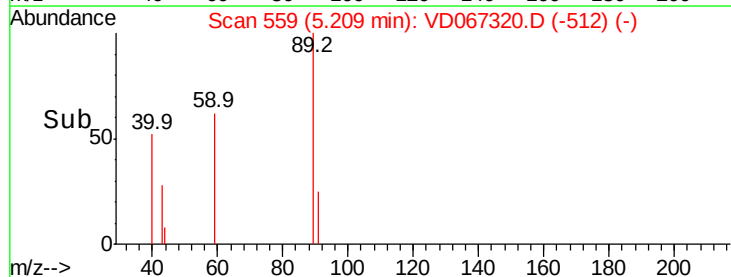


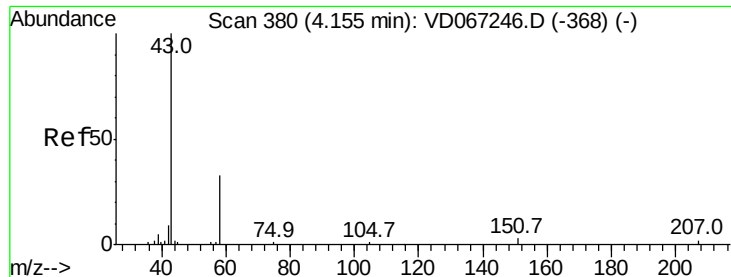
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 1.936 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

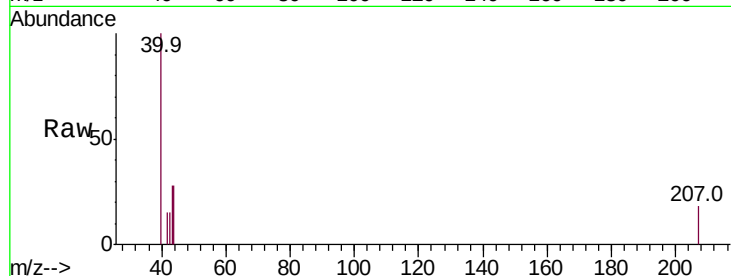
WCS-OH-F1-5.0-10.0

Tot Ion: 43 Resp: 1026

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600

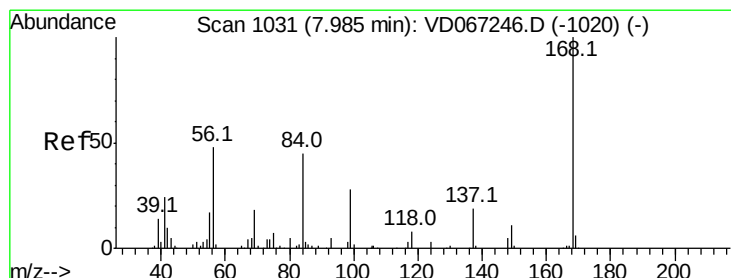
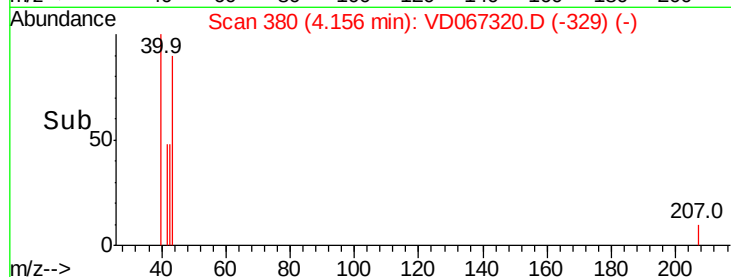
400

200

0

4.10 4.12 4.14 4.16 4.18

Time-->



#31

Cyclohexane

Concen: 1.817 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

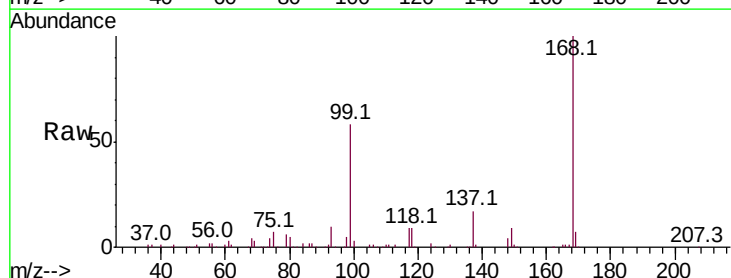
Tgt Ion: 56 Resp: 7918

Ion Ratio Lower Upper

56 100

69 134.3 29.8 44.6#

84 95.1 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

8000

6000

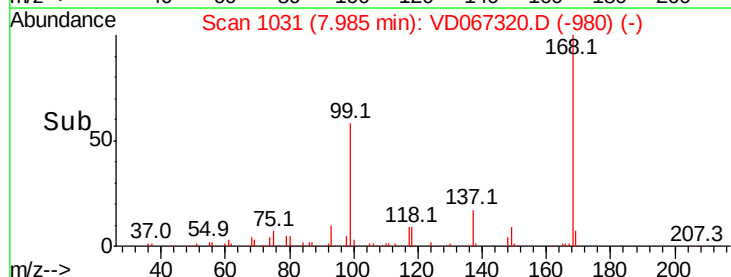
4000

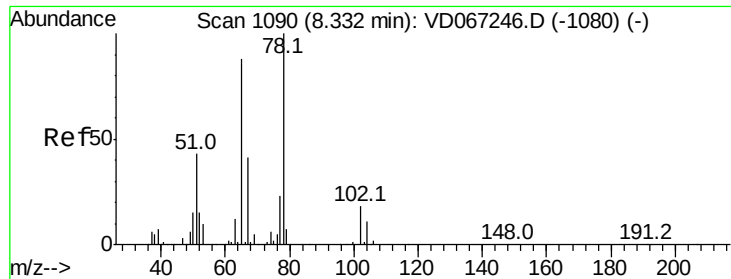
2000

0

7.90 7.95 8.00 8.05

Time-->

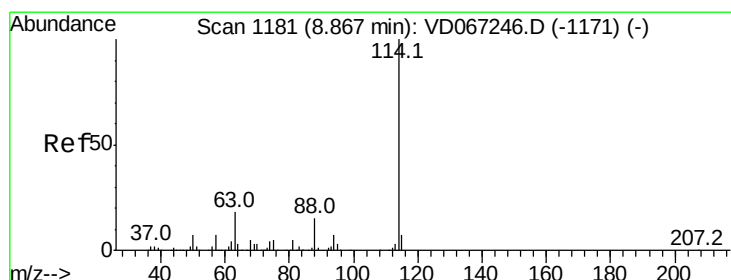
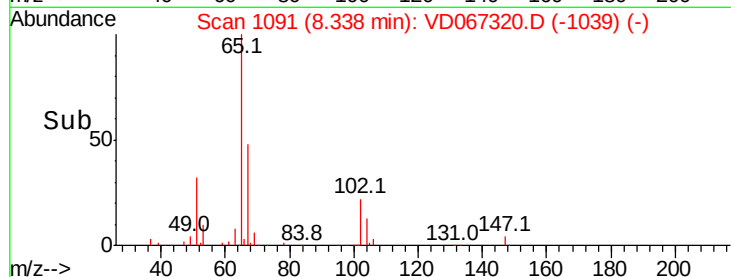
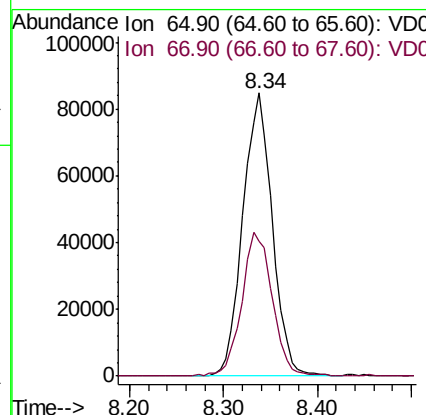
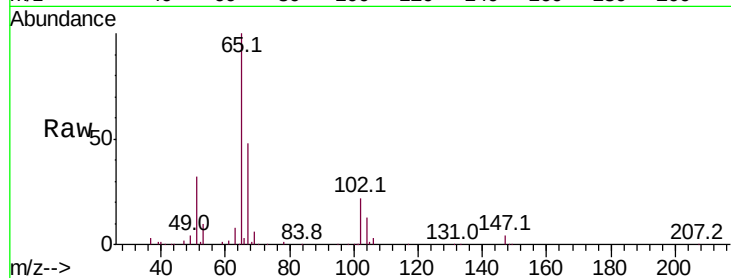




#33
 1,2-Dichloroethane-d4
 Concen: 48.827 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067320.D
 Acq: 20 Oct 2020 13:28

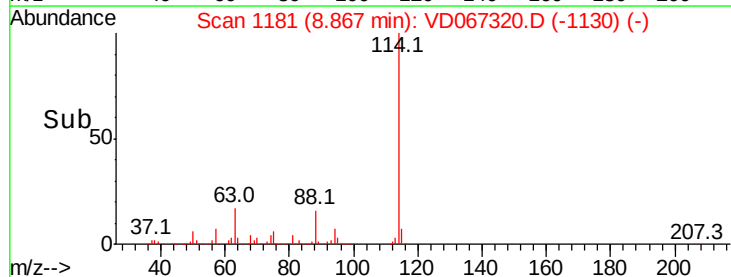
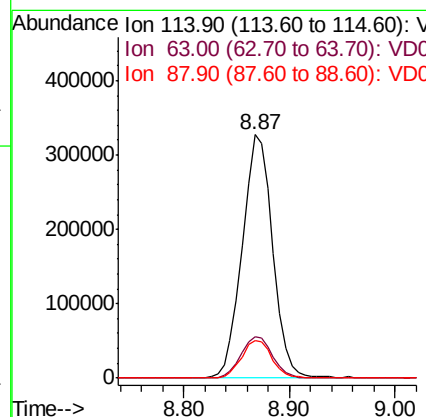
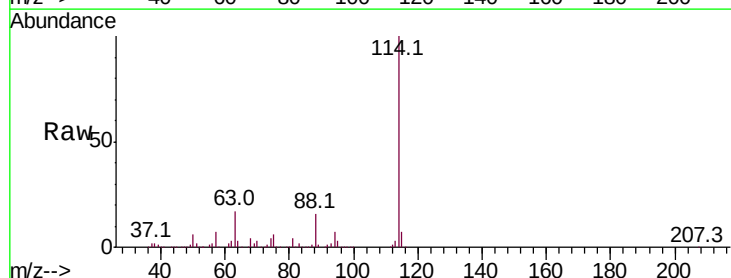
Instrument :
 MSVOA_D
 ClientSampleId :
 WCS-OH-F1-5.0-10.0

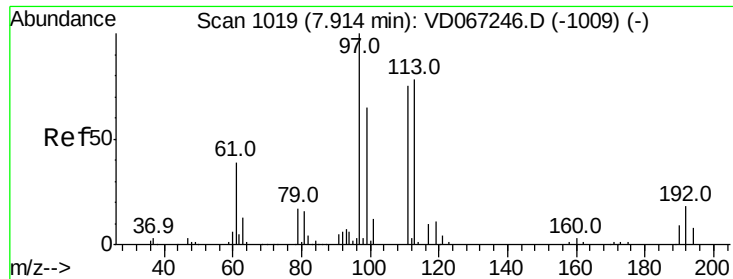
Tot Ion: 65 Resp: 184763
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067320.D
 Acq: 20 Oct 2020 13:28

Tgt Ion: 114 Resp: 652259
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.0
 88 15.6 0.0 30.6

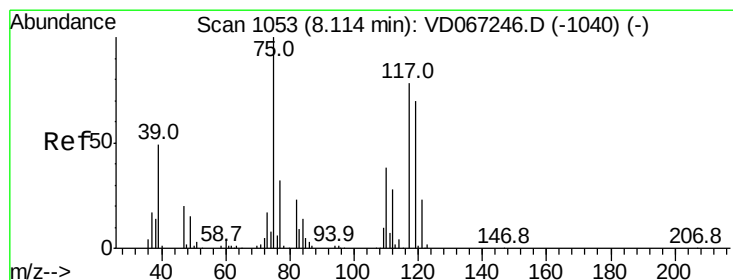
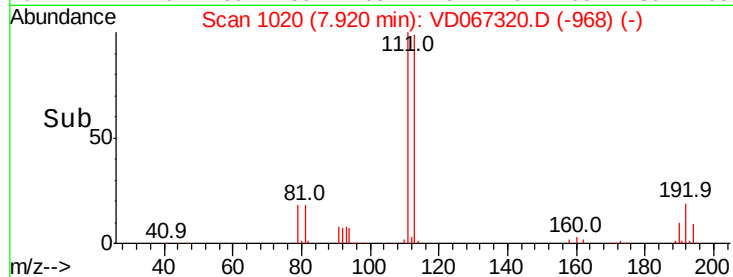
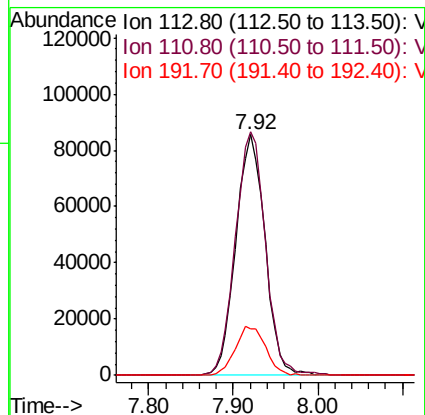
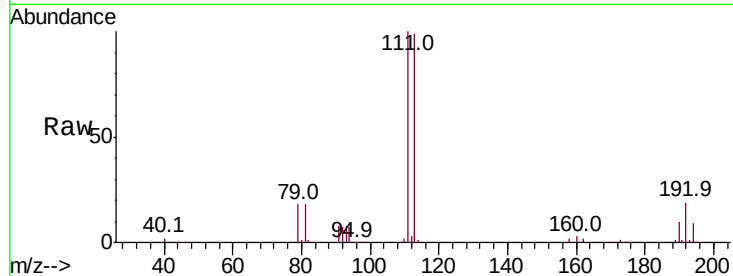




#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

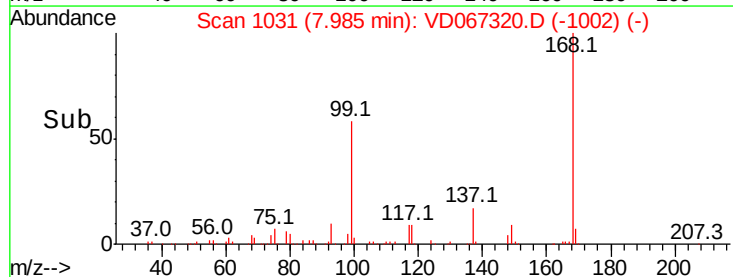
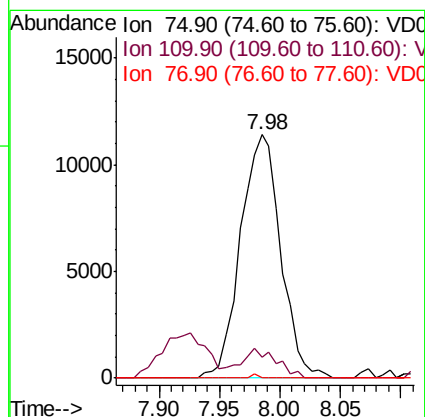
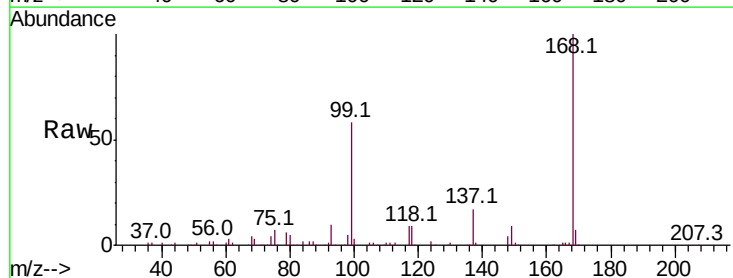
Instrument :
MSVOA_D
ClientSampleId :
WCS-OH-F1-5.0-10.0

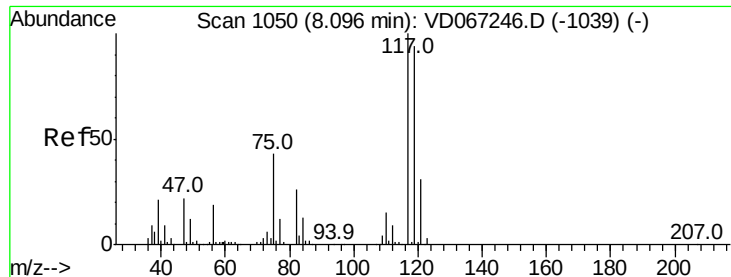
Tot Ion:113 Resp: 204647
Ion Ratio Lower Upper
113 100
111 104.0 81.6 122.4
192 20.9 17.0 25.4



#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

Tgt Ion: 75 Resp: 26298
Ion Ratio Lower Upper
75 100
110 10.7 19.6 58.7#
77 0.2 24.6 37.0#

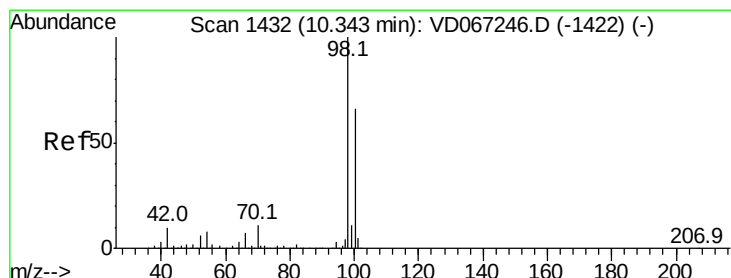
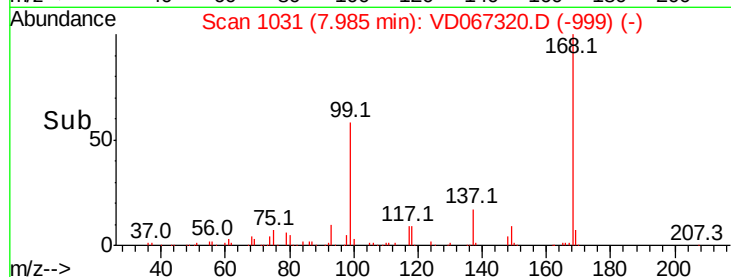
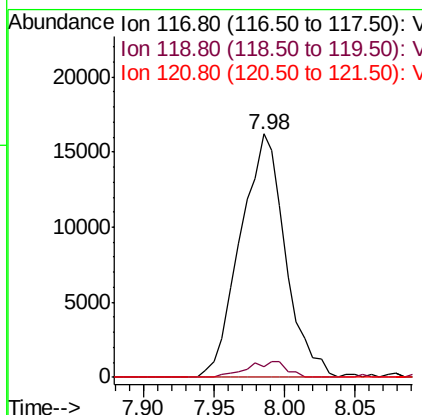
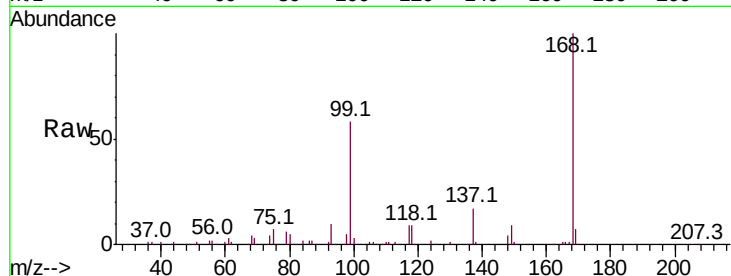




#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

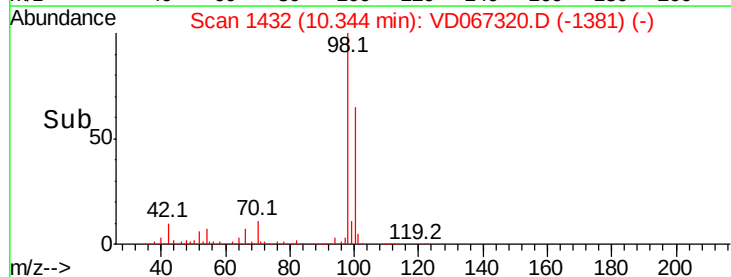
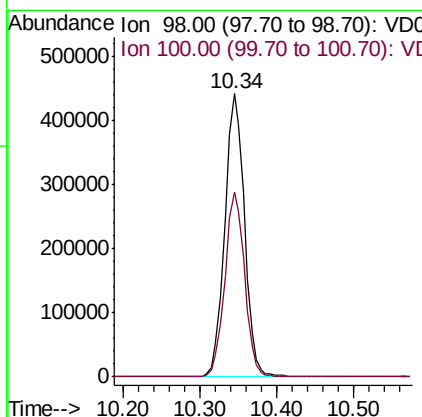
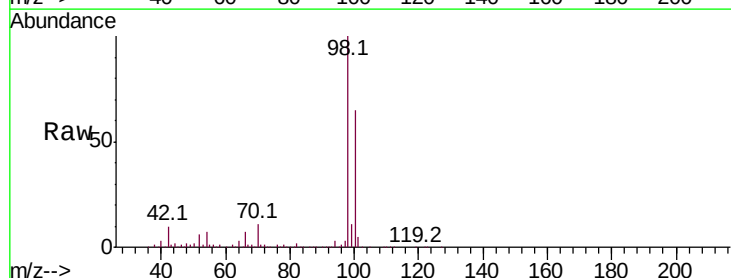
Instrument :
MSVOA_D
ClientSampleId :
WCS-OH-F1-5.0-10.0

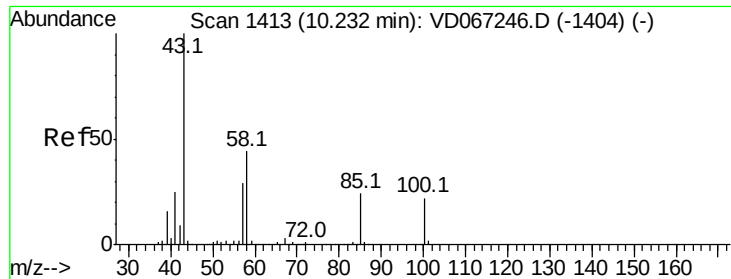
Tot Ion:117 Resp: 36206
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.030 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

Tgt Ion: 98 Resp: 785918
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.212 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

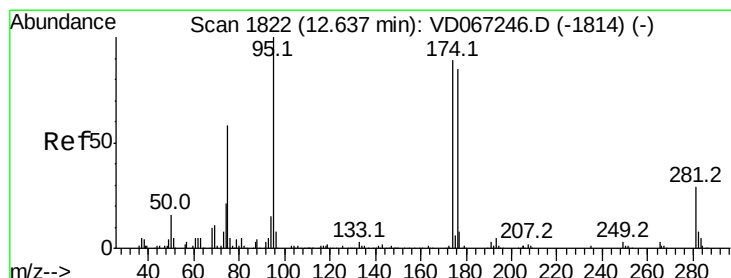
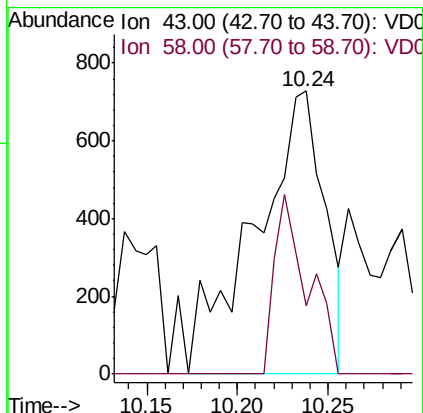
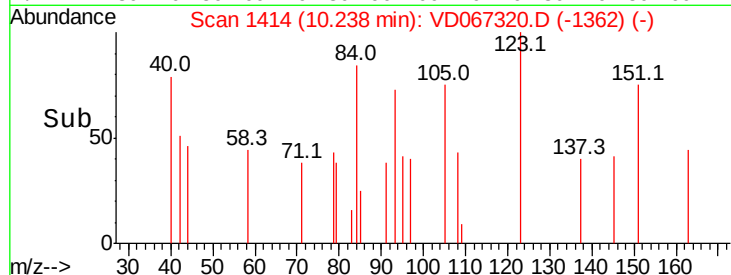
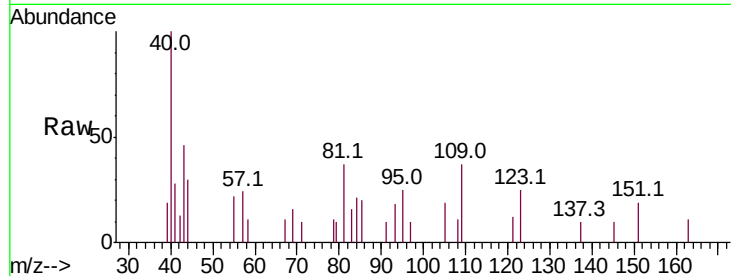
WCS-OH-F1-5.0-10.0

Tot Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

58 30.5 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 51.610 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

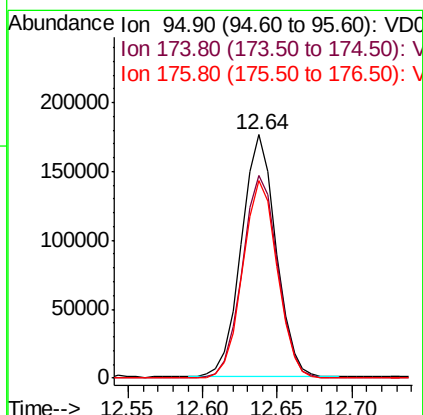
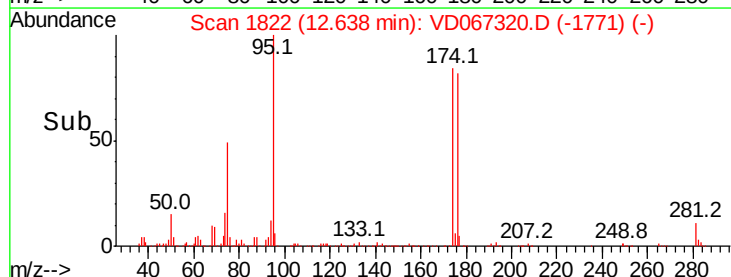
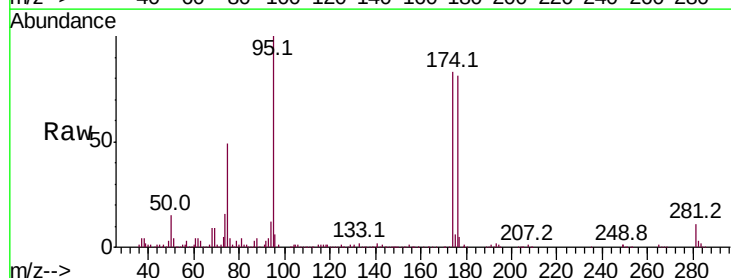
Tgt Ion: 95 Resp: 281909

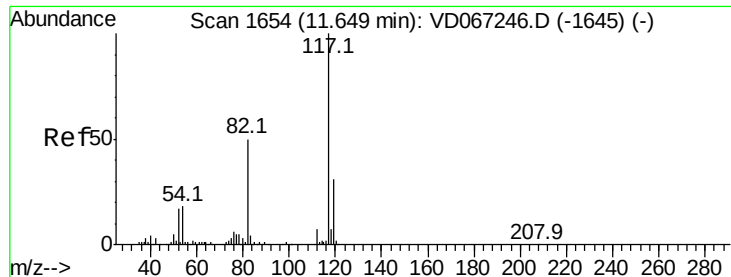
Ion Ratio Lower Upper

95 100

174 85.6 0.0 175.2

176 81.6 0.0 168.6

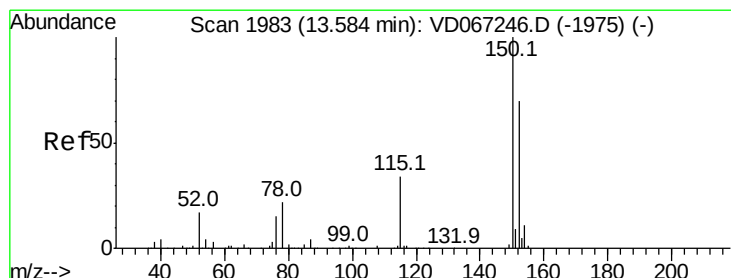
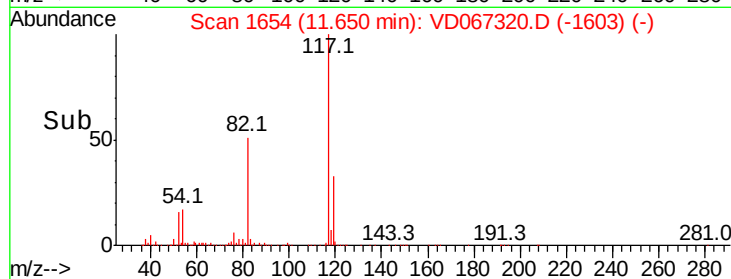
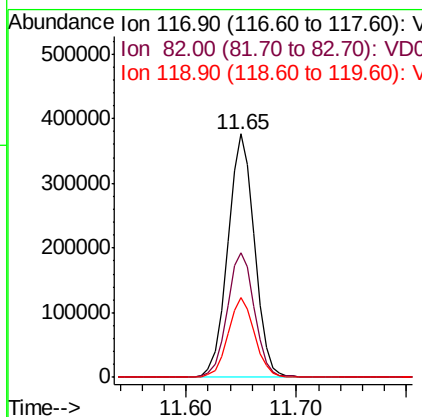
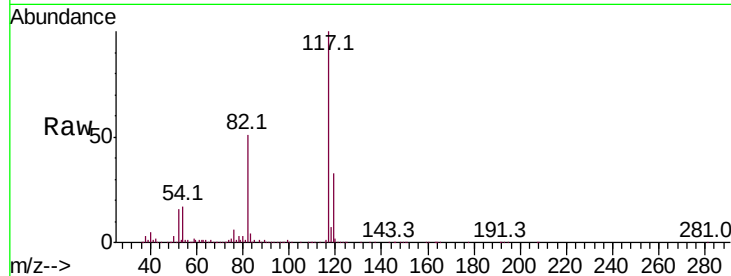




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

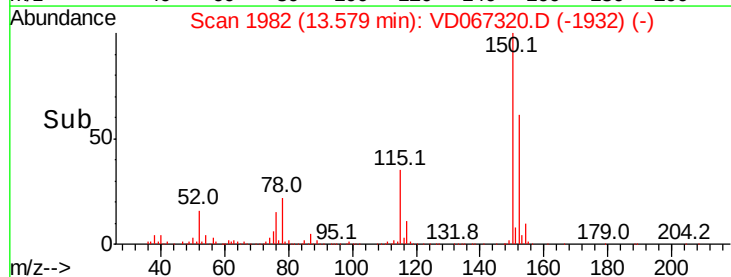
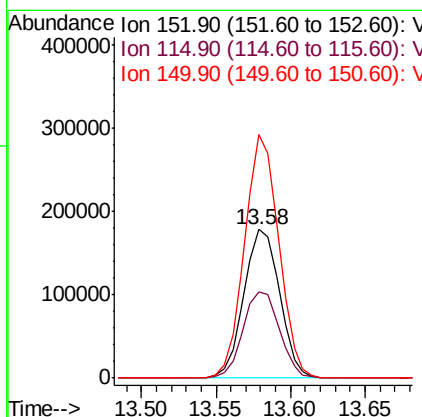
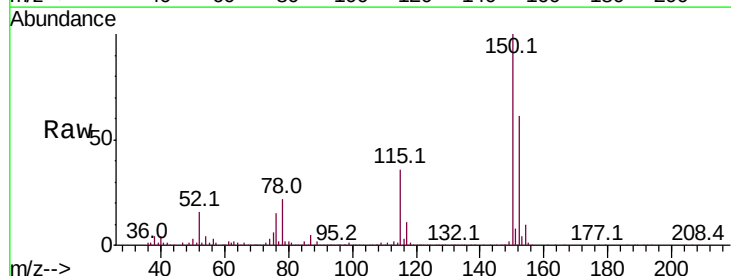
Instrument :
MSVOA_D
ClientSampleId :
WCS-OH-F1-5.0-10.0

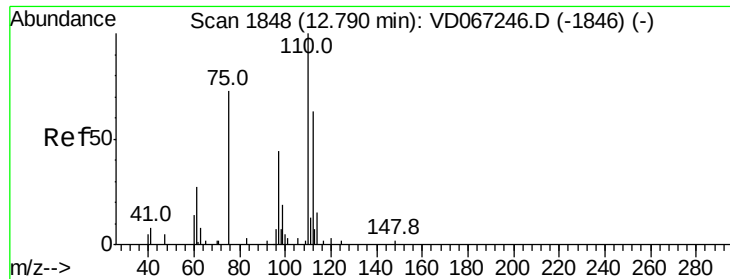
Tot Ion:117 Resp: 635933
Ion Ratio Lower Upper
117 100
82 51.3 39.9 59.9
119 32.7 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067320.D
Acq: 20 Oct 2020 13:28

Tgt Ion:152 Resp: 296408
Ion Ratio Lower Upper
152 100
115 59.5 29.3 87.9
150 156.4 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 67.523 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

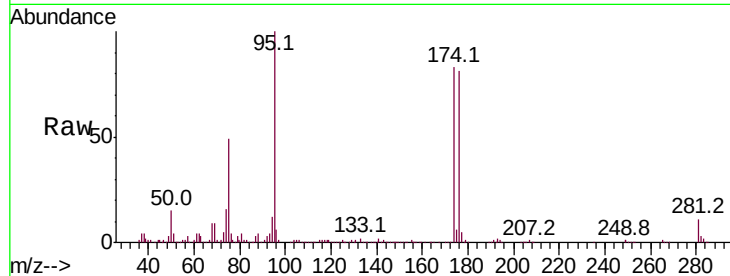
WCS-OH-F1-5.0-10.0

Tot Ion: 75 Resp: 138719

Ion Ratio Lower Upper

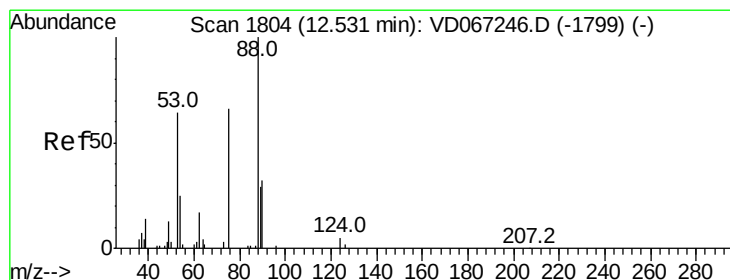
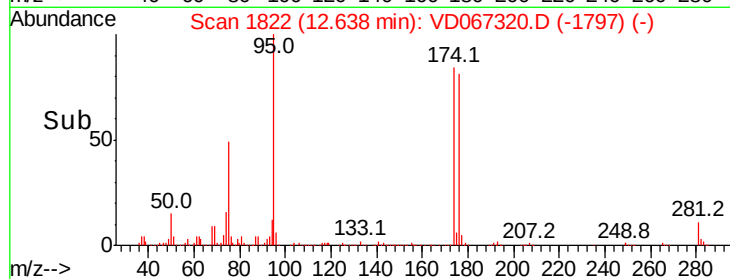
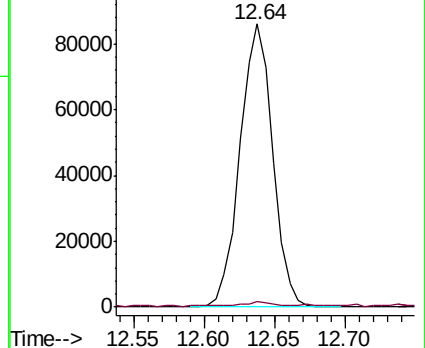
75 100

77 1.1 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: 153.123 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067320.D

Acq: 20 Oct 2020 13:28

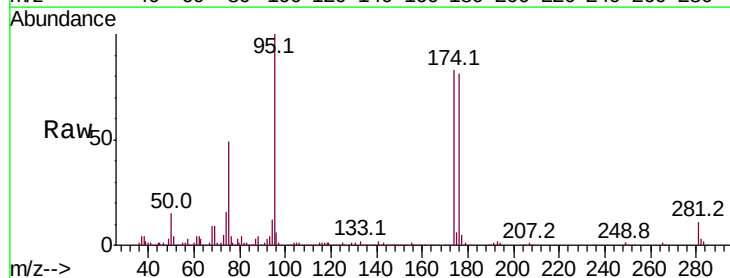
Tgt Ion: 75 Resp: 138719

Ion Ratio Lower Upper

75 100

53 0.5 78.5 117.7#

89 0.2 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

