

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067012.D
 Acq On : 02 Oct 2020 01:29
 Operator : VA/SY
 Sample : L4198-16
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

Quant Time: Oct 02 02:07:16 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

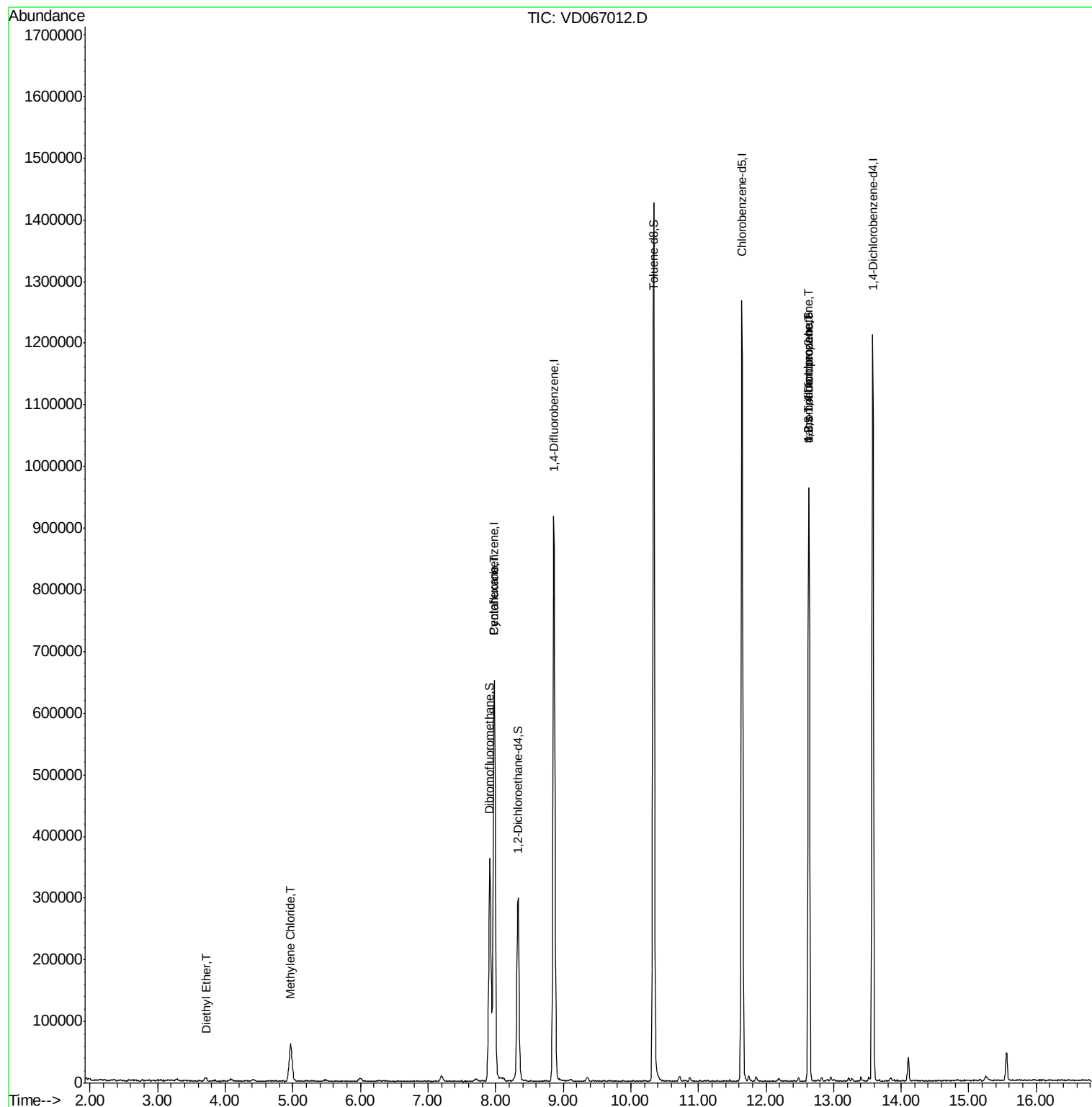
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	487965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	810477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	741638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	243382	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
35) Dibromofluoromethane	7.91	113	261073	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	10.34	98	971238	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	310157	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1767	Below Cal		79
5) Bromomethane	2.79	94	933	Below Cal	#	60
8) Diethyl Ether	3.72	74	2550	1.188	ug/l	81
11) Tert butyl alcohol	5.21	59	369	Below Cal	#	72
20) Methylene Chloride	4.97	84	46144	2.093	ug/l #	93
26) 2,2-Dichloropropane	7.20	77	1563	Below Cal		78
31) Cyclohexane	7.98	56	10867	1.540	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	153699	53.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153699	133.005	ug/l #	12

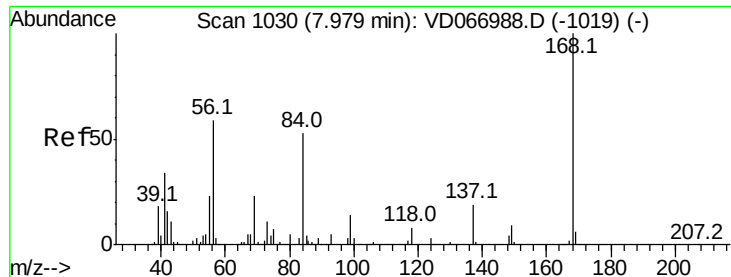
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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Operator : VA/SY
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ClientSampleId :
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Quant Time: Oct 02 02:07:16 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: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampleId :

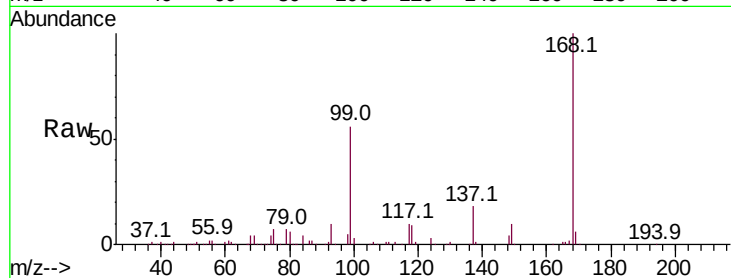
RO-5

Tot Ion:168 Resp: 487965

Ion Ratio Lower Upper

168 100

99 56.3 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

250000

200000

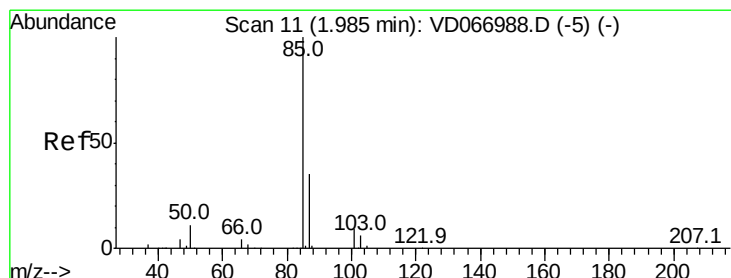
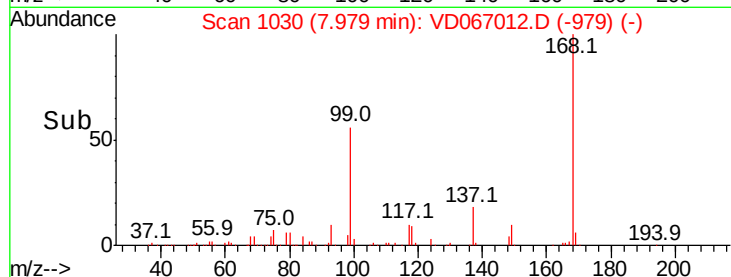
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067012.D

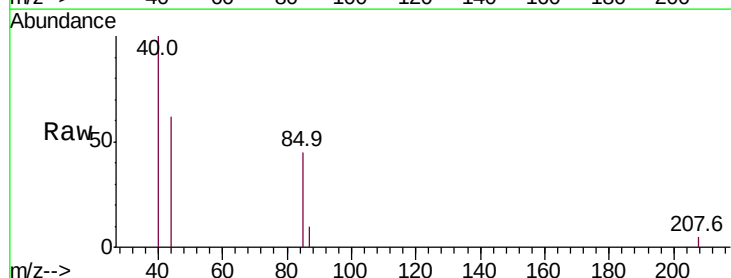
Acq: 02 Oct 2020 01:29

Tgt Ion: 85 Resp: 1767

Ion Ratio Lower Upper

85 100

87 22.5 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

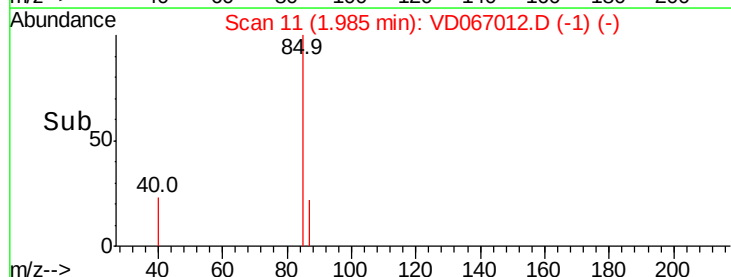
1500

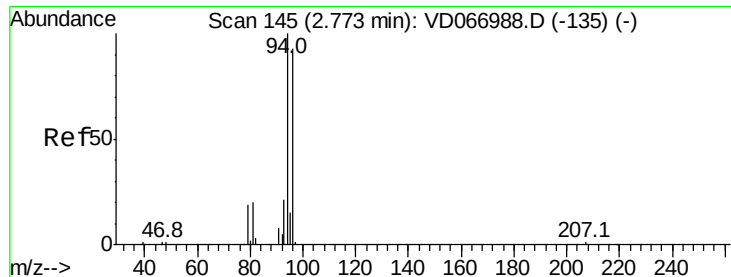
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampled :

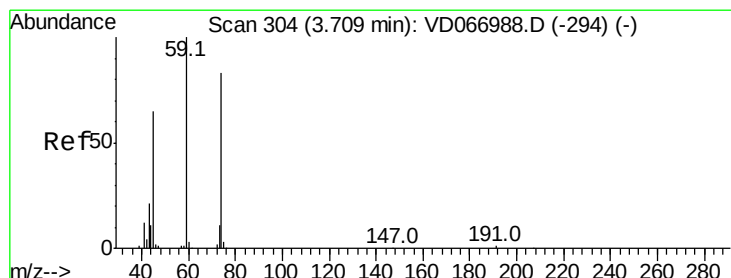
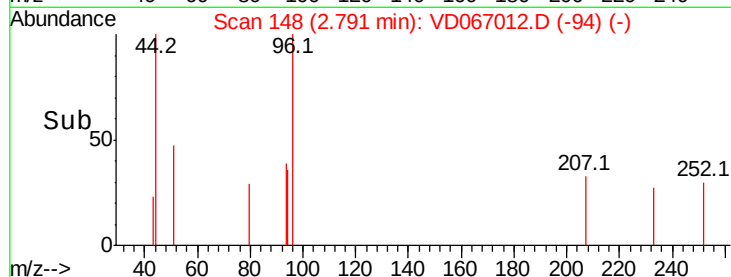
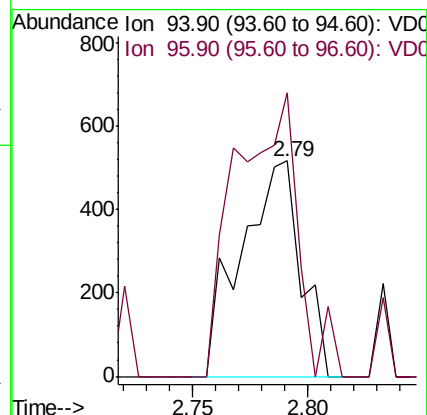
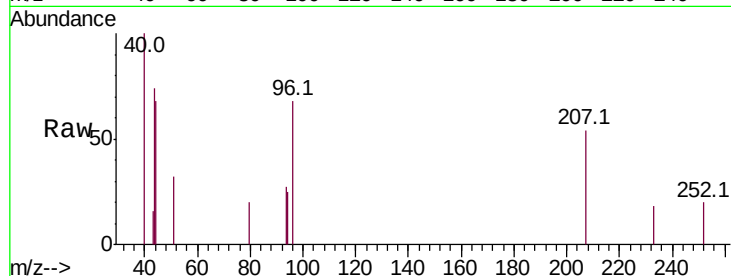
RO-5

Tot Ion: 94 Resp: 933

Ion Ratio Lower Upper

94 100

96 131.5 74.6 112.0#



#8

Diethyl Ether

Concen: 1.188 ug/l

RT: 3.72 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD067012.D

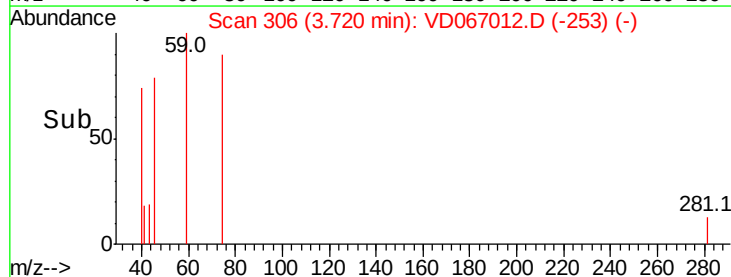
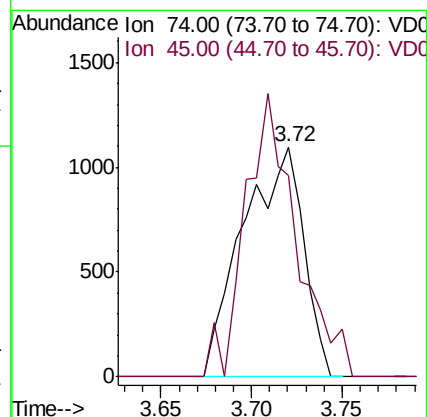
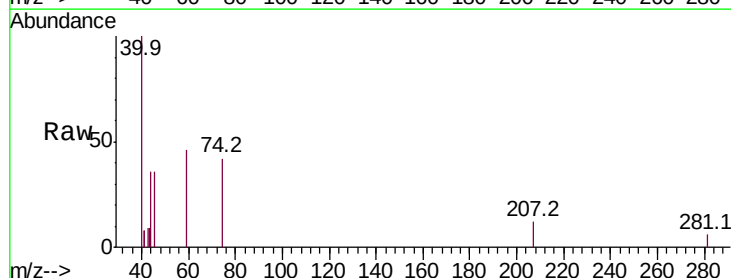
Acq: 02 Oct 2020 01:29

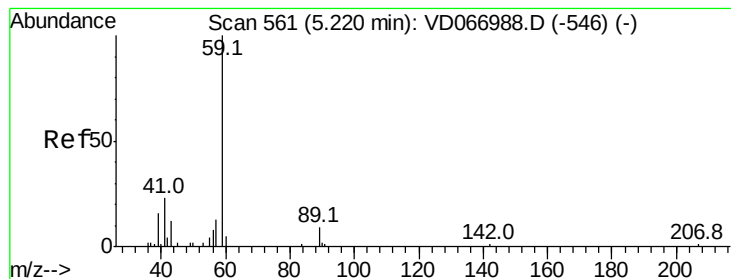
Tgt Ion: 74 Resp: 2550

Ion Ratio Lower Upper

74 100

45 104.1 43.1 129.3



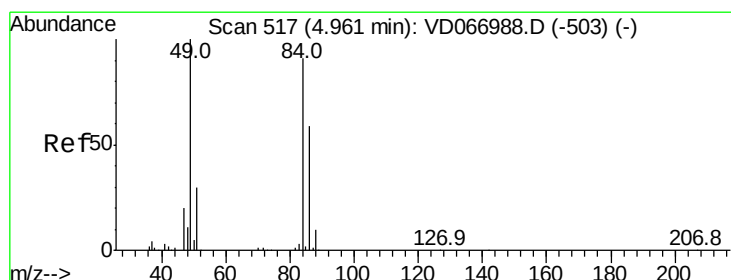
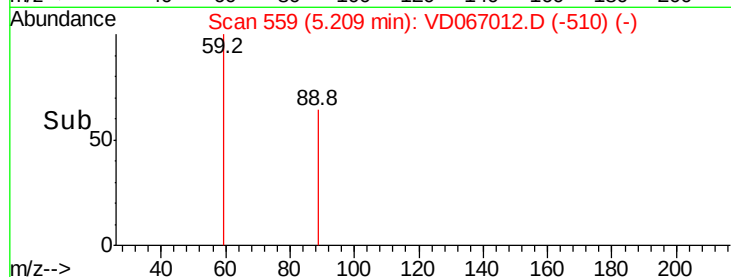
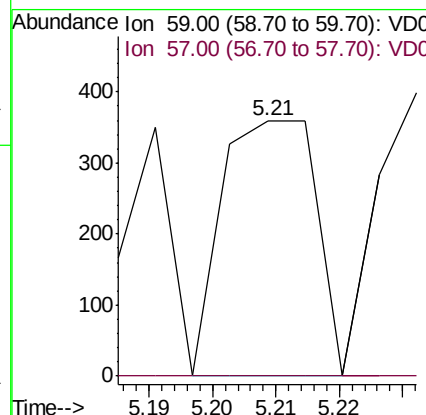
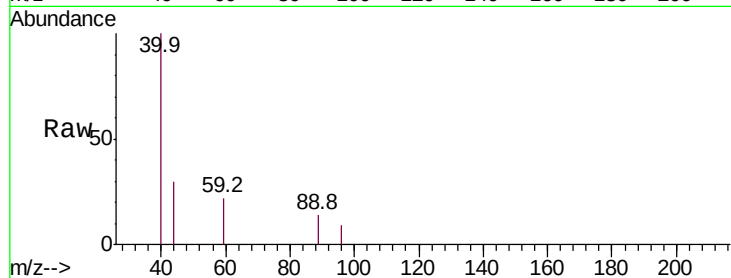


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

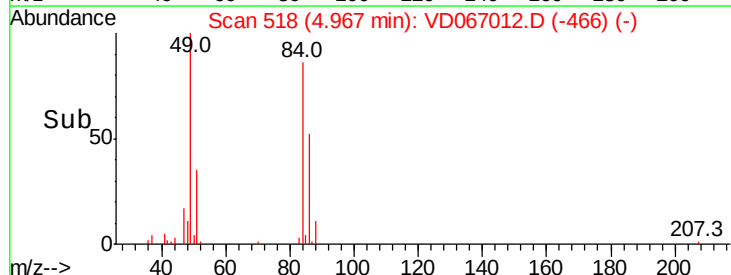
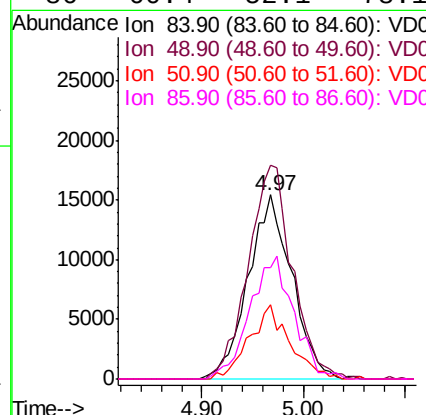
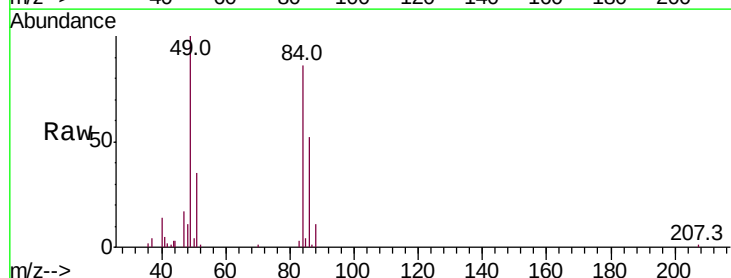
Tot Ion: 59 Resp: 369
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

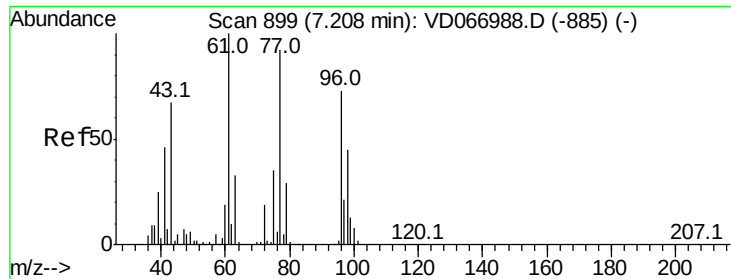


#20

Methylene Chloride
 Concen: 2.093 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Tgt Ion: 84 Resp: 46144
 Ion Ratio Lower Upper
 84 100
 49 116.1 88.2 132.2
 51 40.1 26.6 39.8#
 86 60.4 52.1 78.1

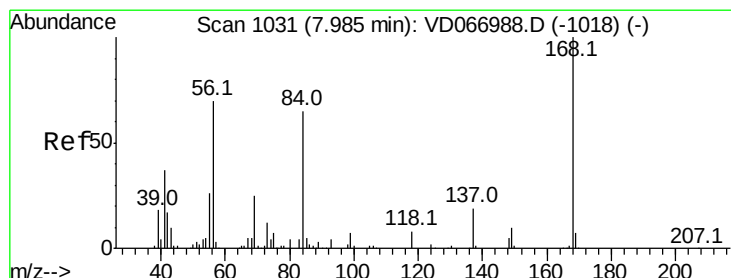
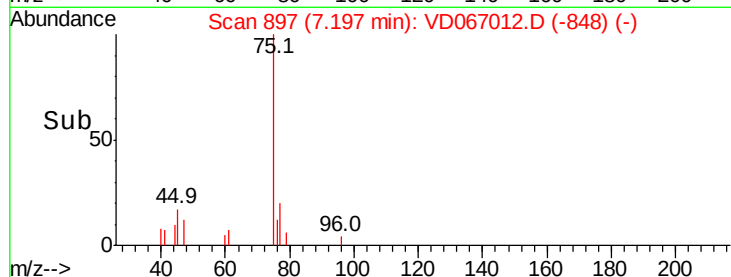
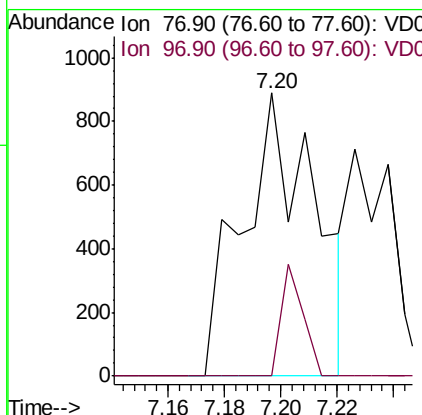
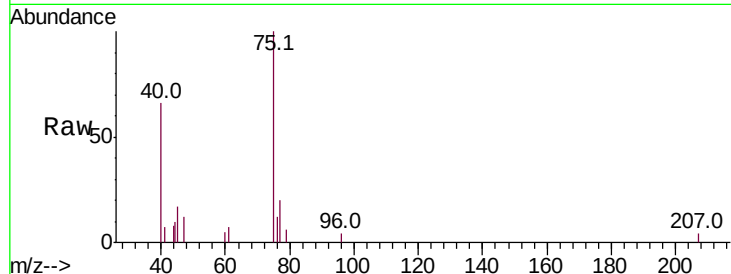




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

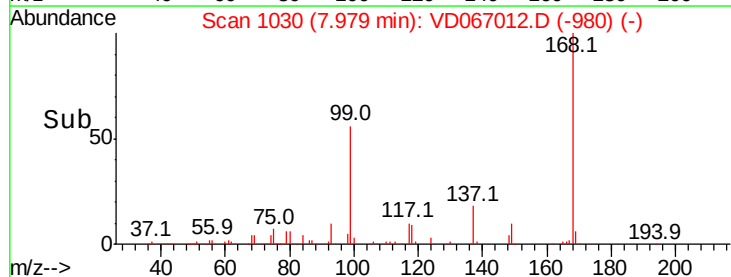
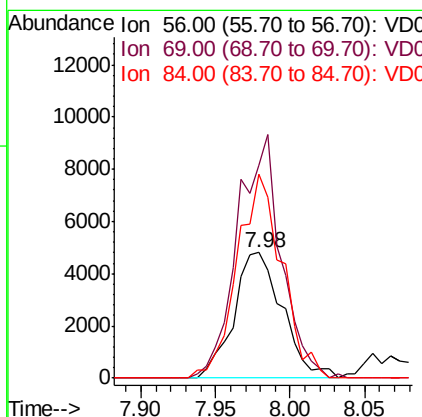
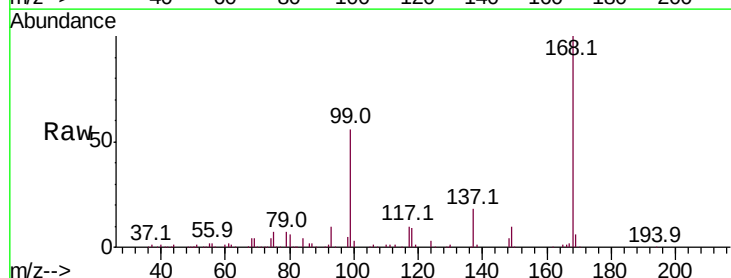
Instrument :
MSVOA_D
ClientSampled :
RO-5

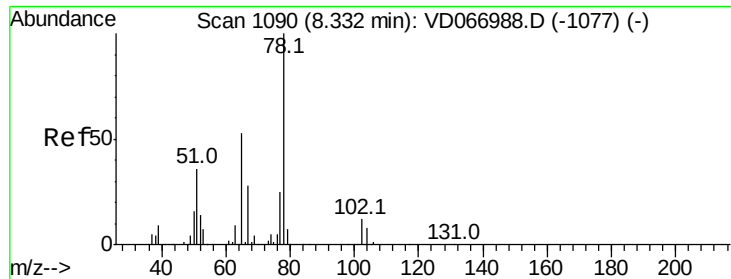
Tot Ion: 77 Resp: 1563
Ion Ratio Lower Upper
77 100
97 12.0 11.4 34.2



#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

Tgt Ion: 56 Resp: 10867
Ion Ratio Lower Upper
56 100
69 169.5 29.0 43.6#
84 162.6 74.2 111.2#

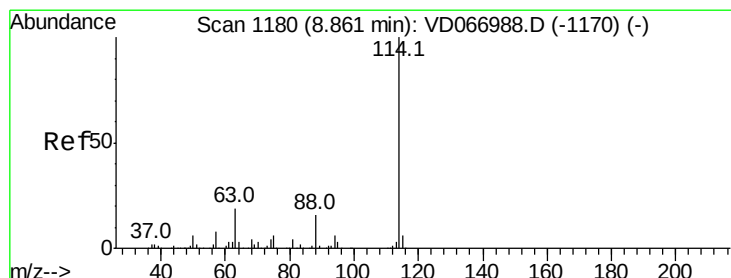
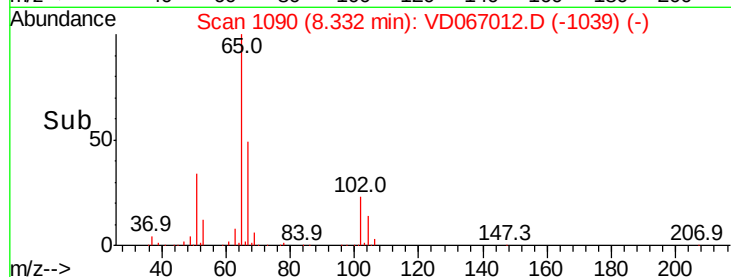
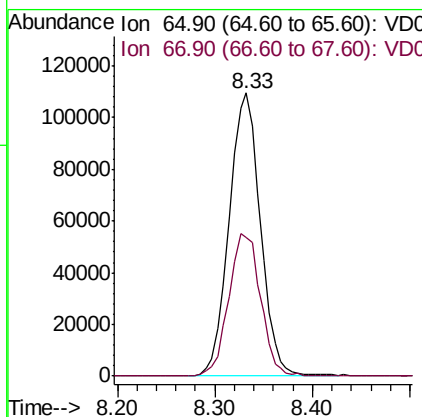
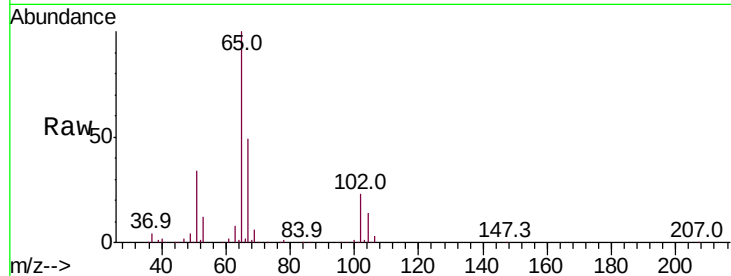




#33
 1,2-Dichloroethane-d4
 Concen: 51.783 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

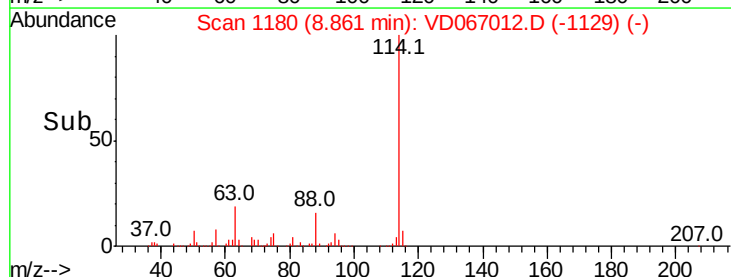
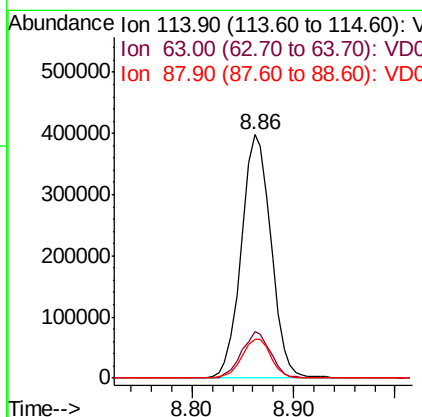
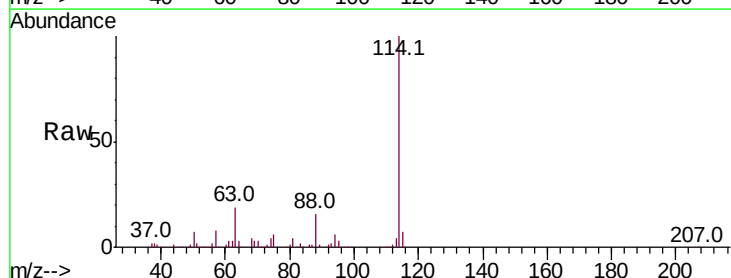
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

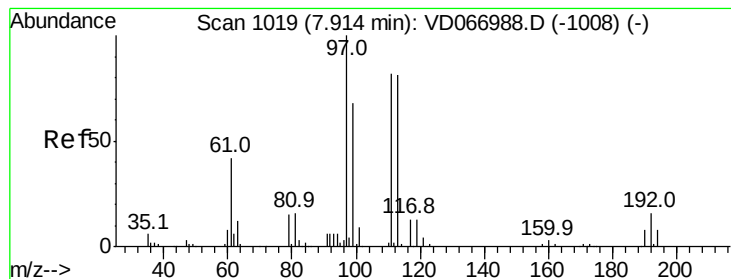
Tot Ion: 65 Resp: 243382
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Tgt Ion: 114 Resp: 810477
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.203 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampleId :

RO-5

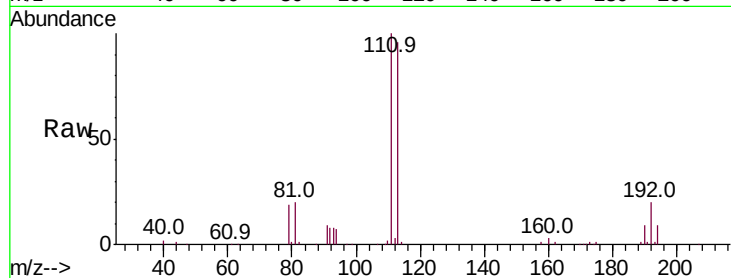
Tot Ion:113 Resp: 261073

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

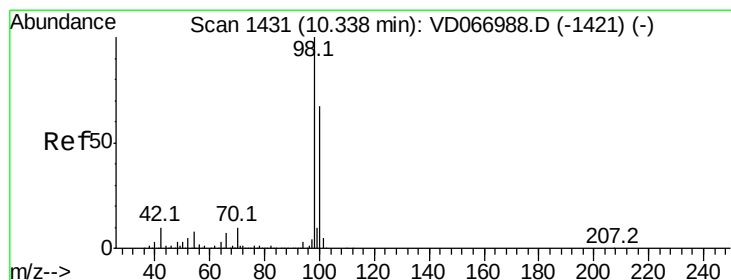
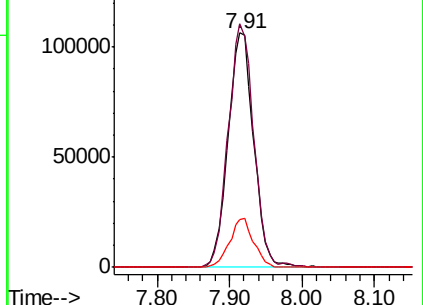
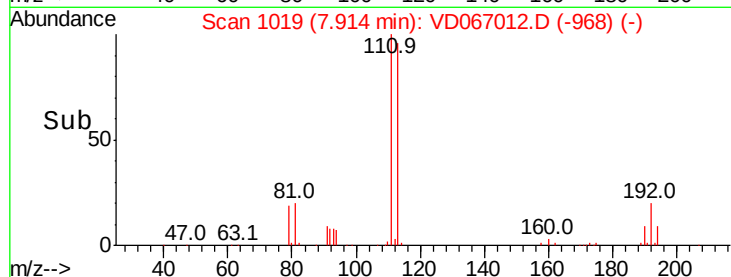
192 19.5 15.5 23.3



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



#50

Toluene-d8

Concen: 50.233 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067012.D

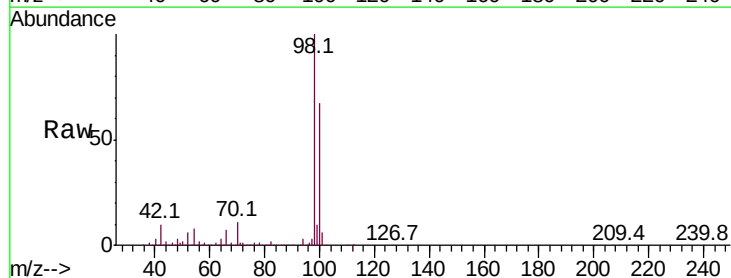
Acq: 02 Oct 2020 01:29

Tgt Ion: 98 Resp: 971238

Ion Ratio Lower Upper

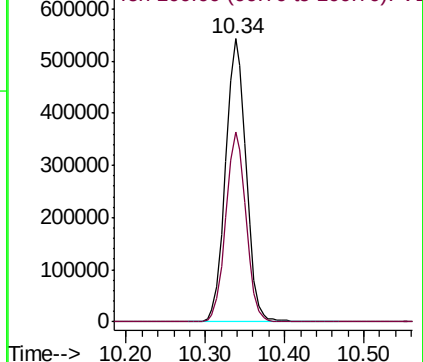
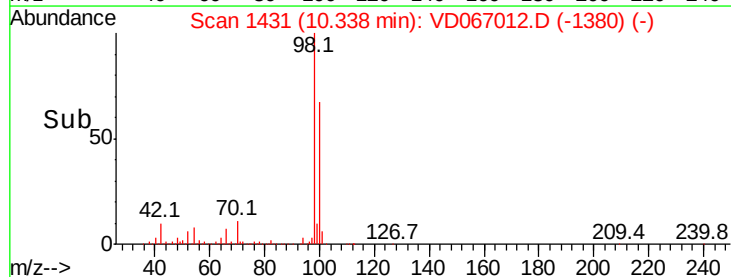
98 100

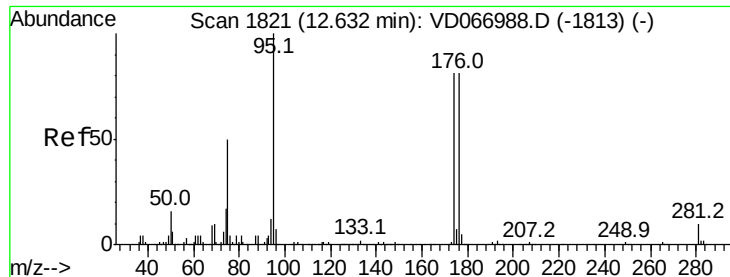
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

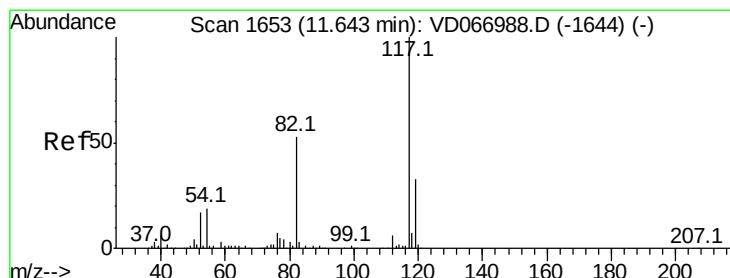
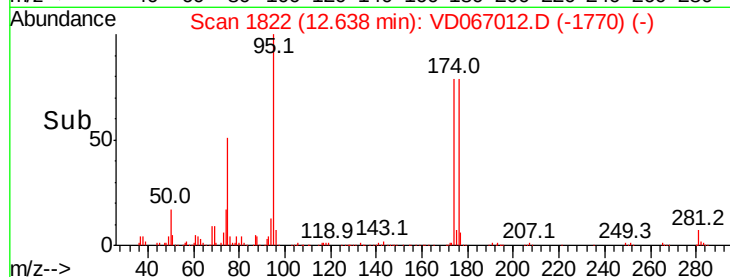
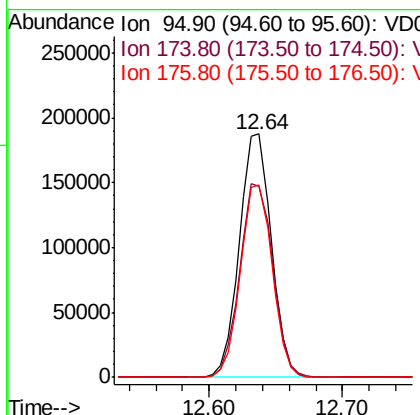
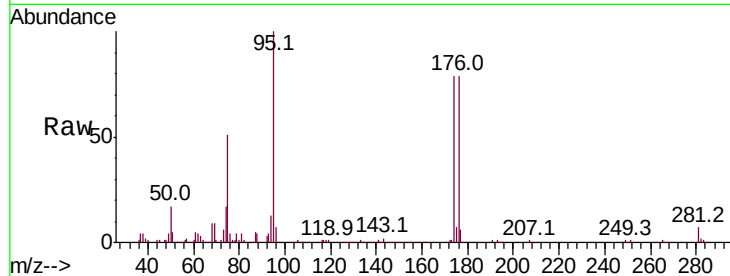




#62
4-Bromofluorobenzene
Concen: 47.254 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

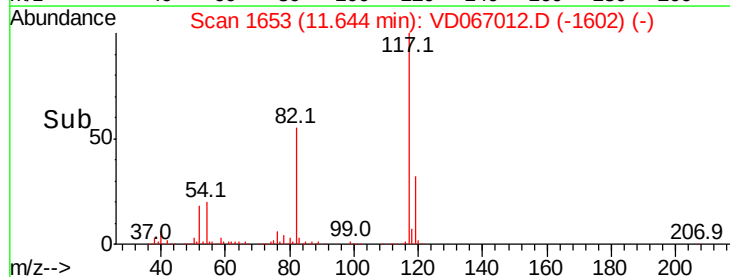
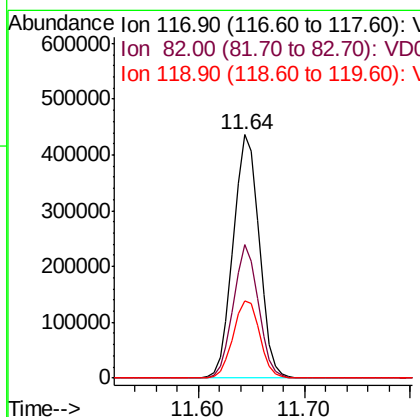
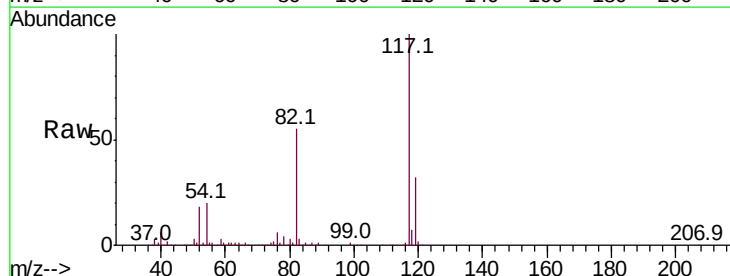
Instrument :
MSVOA_D
ClientSampleId :
RO-5

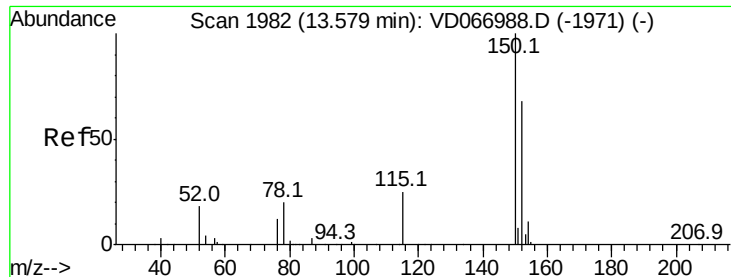
Tot Ion: 95 Resp: 310157
Ion Ratio Lower Upper
95 100
174 82.5 0.0 167.6
176 79.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067012.D
Acq: 02 Oct 2020 01:29

Tgt Ion: 117 Resp: 741638
Ion Ratio Lower Upper
117 100
82 54.7 42.6 63.8
119 31.7 26.3 39.5

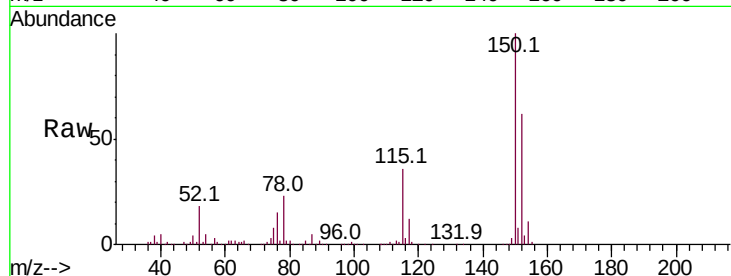




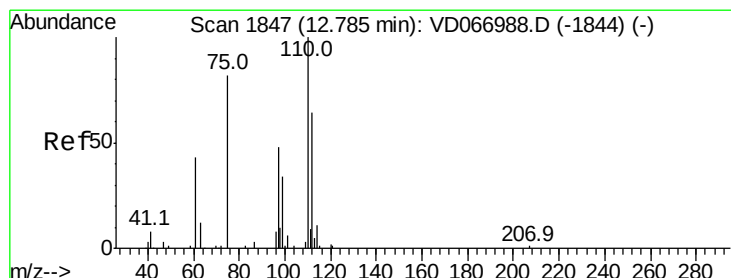
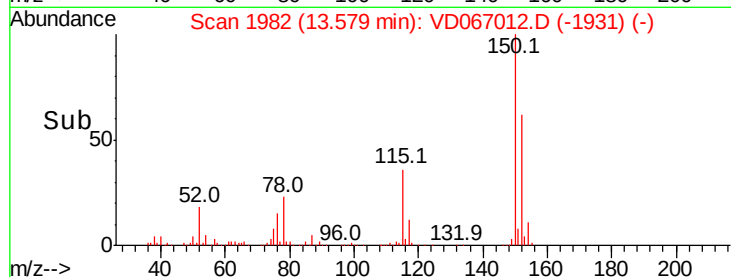
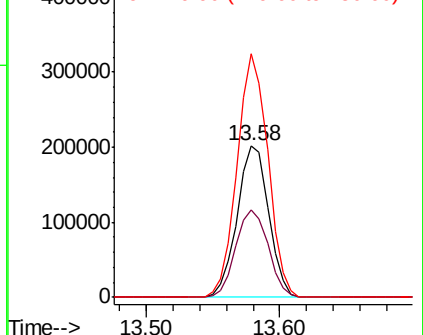
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-5

Tot Ion:152 Resp: 330760
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.6 88.8
 150 156.8 0.0 344.8

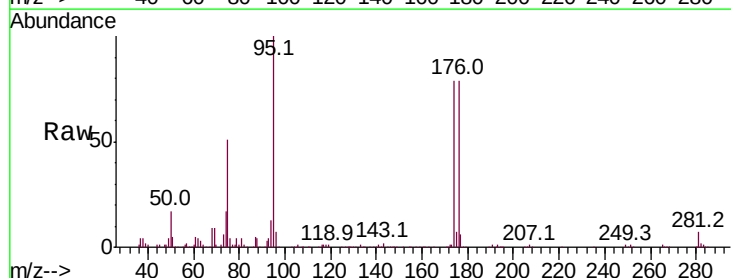


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

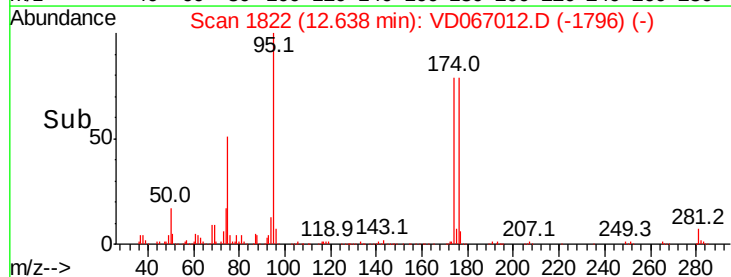
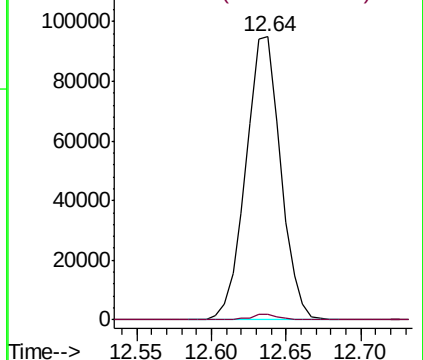


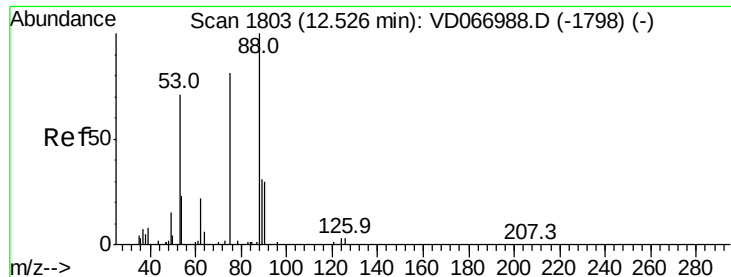
#76
 1,2,3-Trichloropropane
 Concen: 53.349 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067012.D
 Acq: 02 Oct 2020 01:29

Tgt Ion: 75 Resp: 153699
 Ion Ratio Lower Upper
 75 100
 77 1.6 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: 133.005 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067012.D

Acq: 02 Oct 2020 01:29

Instrument :

MSVOA_D

ClientSampleId :

RO-5

Tot Ion: 75 Resp: 153699

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#

