

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067109.D
 Acq On : 06 Oct 2020 15:50
 Operator : VA/SY
 Sample : L4272-30
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-3-(6.5)

Quant Time: Oct 07 01:11:34 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

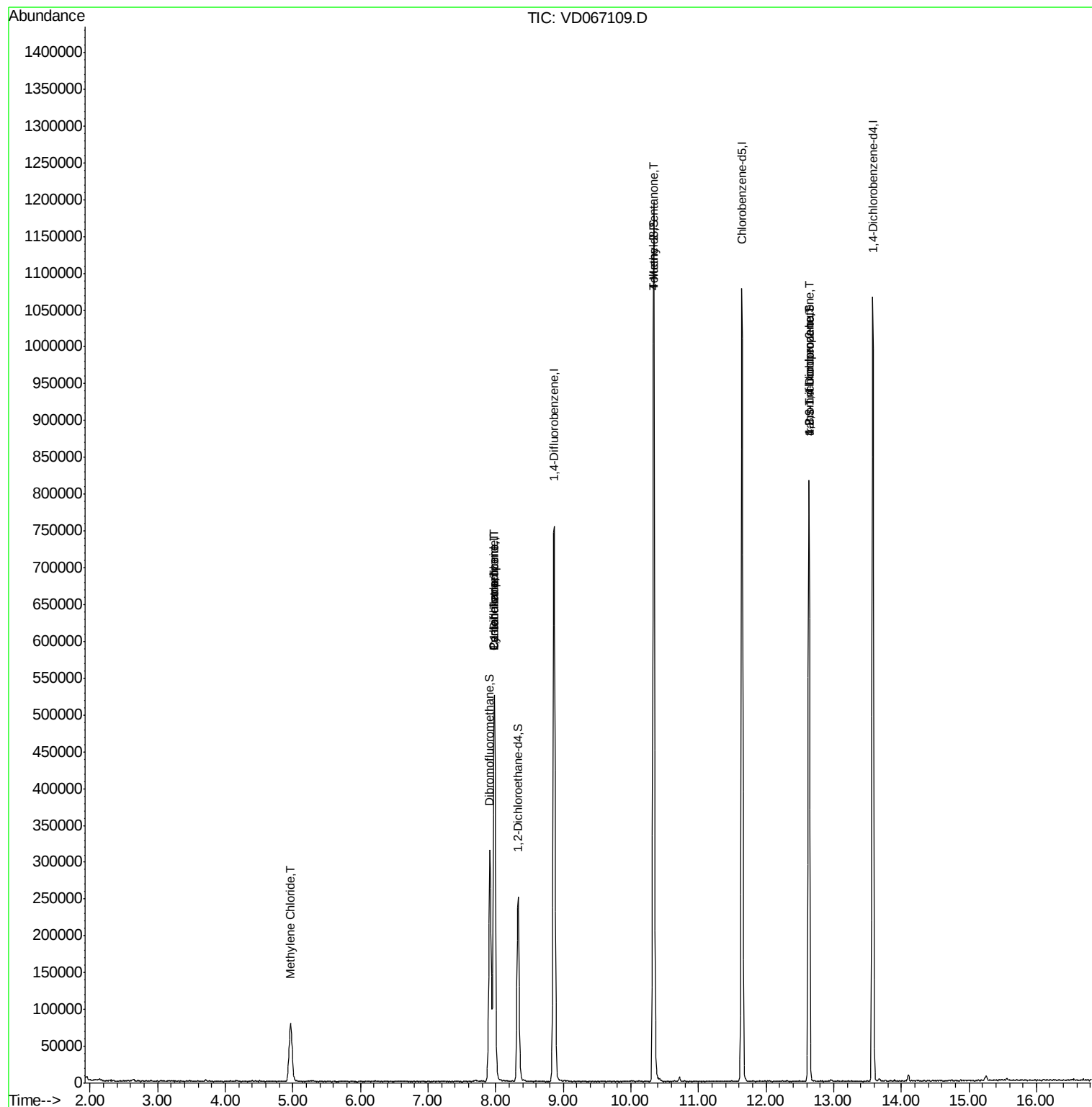
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	412915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	698303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	648708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297617	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	209781	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
35) Dibromofluoromethane	7.92	113	227607	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
50) Toluene-d8	10.34	98	826847	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.64	95	268431	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	89	Below Cal	#	40
5) Bromomethane	2.79	94	148	Below Cal	#	74
20) Methylene Chloride	4.97	84	65402	9.252	ug/l	95
31) Cyclohexane	7.98	56	8143	1.363	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	29926	4.598	ug/l #	49
38) Carbon Tetrachloride	7.98	117	40993	5.821	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3453	1.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	134587	51.917	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134587	129.436	ug/l #	12

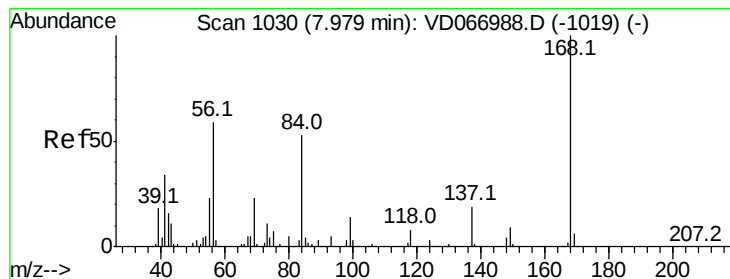
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SC-3-(6.5)

Quant Time: Oct 07 01:11:34 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# 1031

Delta R.T. 0.01 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

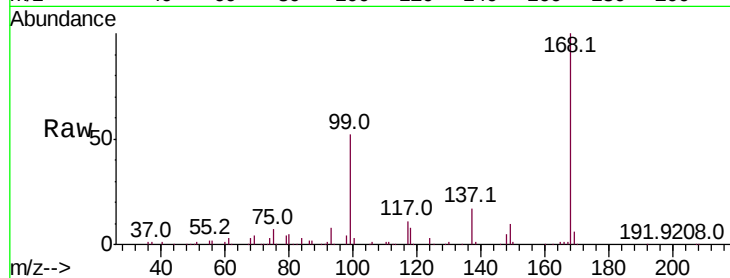
SC-3-(6.5)

Tot Ion:168 Resp: 412915

Ion Ratio Lower Upper

168 100

99 52.0 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

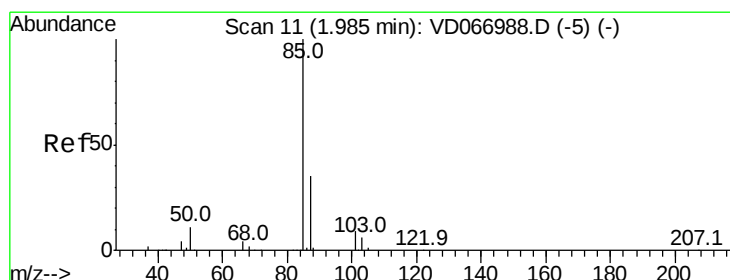
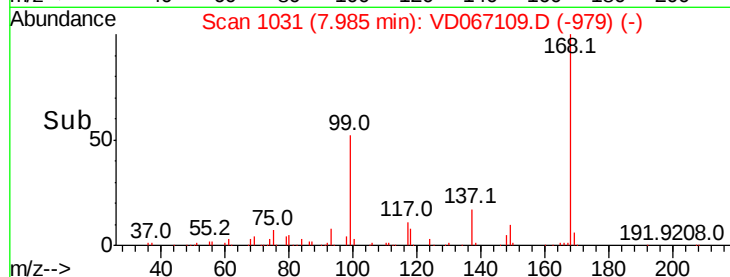
100000

50000

0

Time-->

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: VD067109.D

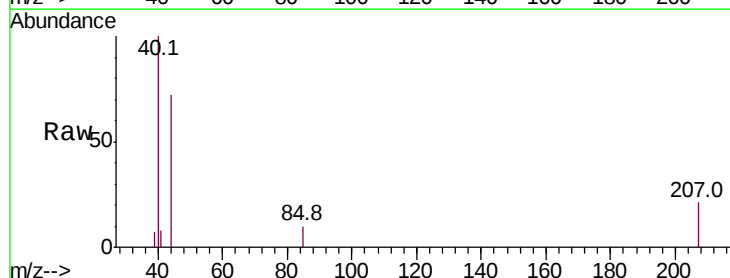
Acq: 06 Oct 2020 15:50

Tgt Ion: 85 Resp: 89

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

250

200

150

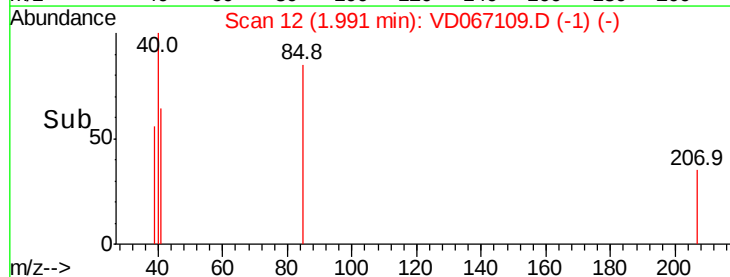
100

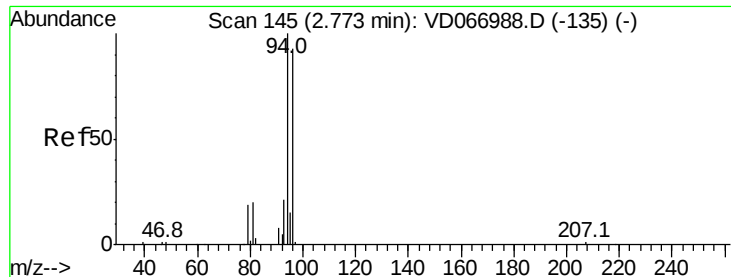
50

0

Time-->

1.97 1.98 1.99 2.00 2.01





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

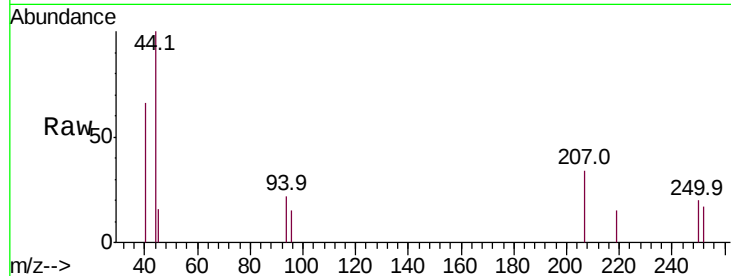
SC-3-(6.5)

Tot Ion: 94 Resp: 148

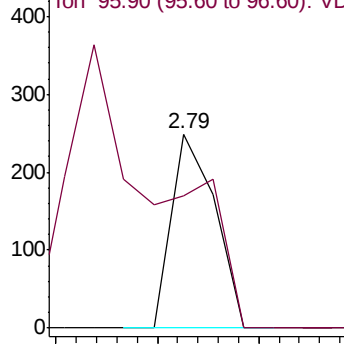
Ion Ratio Lower Upper

94 100

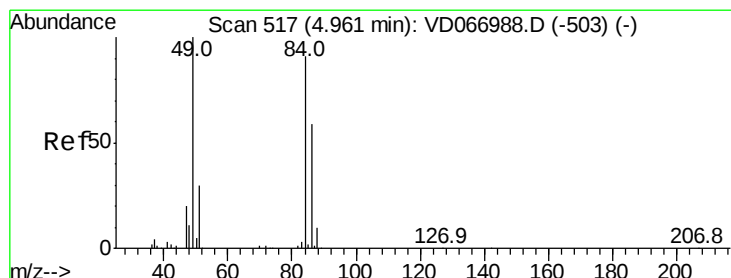
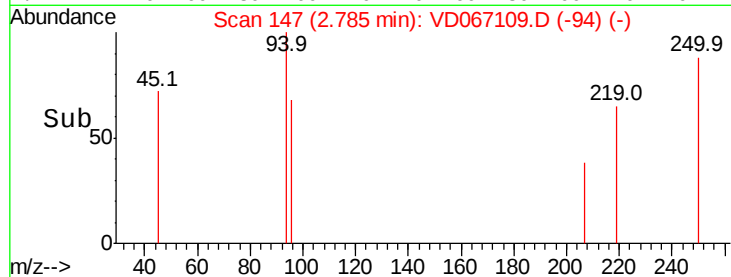
96 68.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



Time--> 2.76 2.78 2.80



#20

Methylene Chloride

Concen: 9.252 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Tgt Ion: 84 Resp: 65402

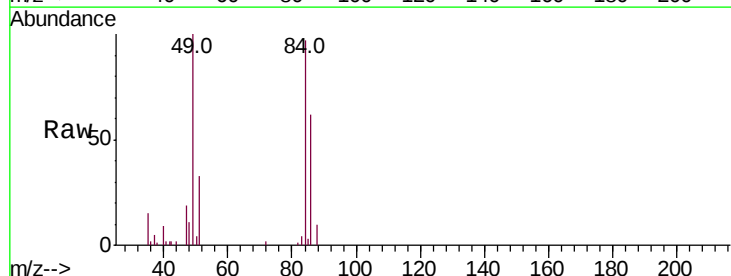
Ion Ratio Lower Upper

84 100

49 102.7 88.2 132.2

51 34.1 26.6 39.8

86 63.8 52.1 78.1

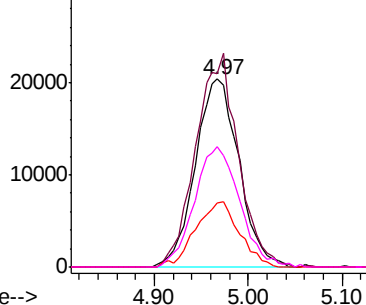


Abundance Ion 83.90 (83.60 to 84.60): VDC

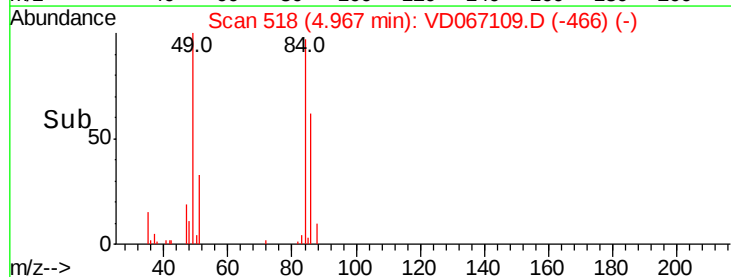
Ion 48.90 (48.60 to 49.60): VDC

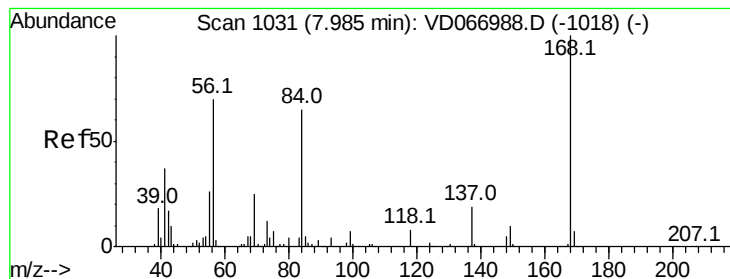
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time--> 4.90 5.00 5.10





#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

SC-3-(6.5)

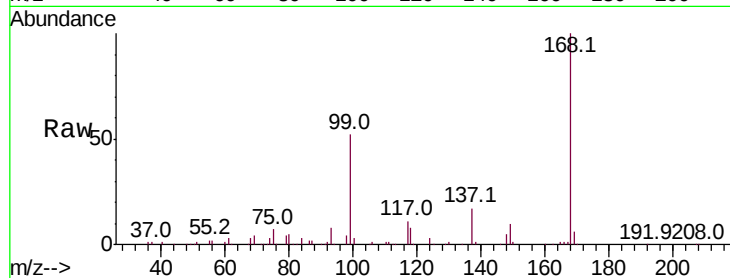
Tot Ion: 56 Resp: 8143

Ion Ratio Lower Upper

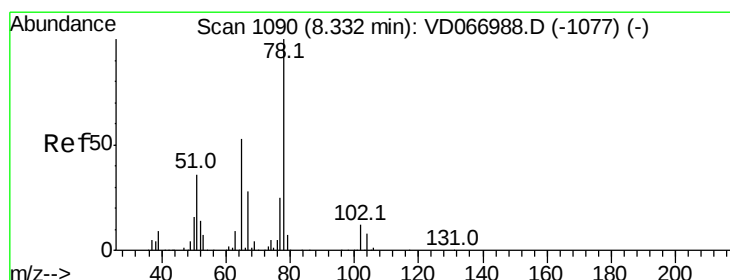
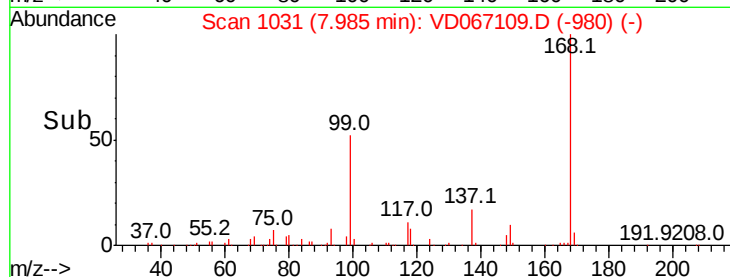
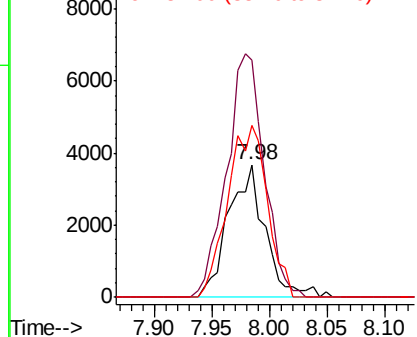
56 100

69 178.8 29.0 43.6#

84 129.9 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: 52.746 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067109.D

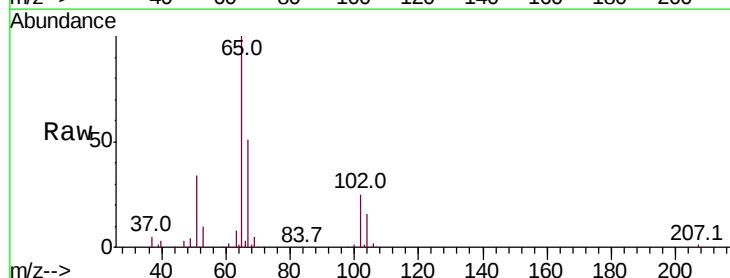
Acq: 06 Oct 2020 15:50

Tgt Ion: 65 Resp: 209781

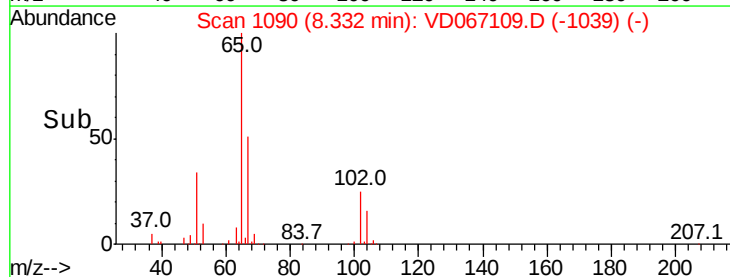
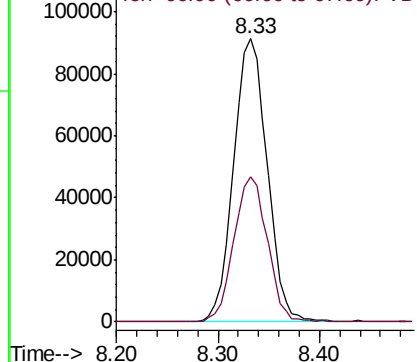
Ion Ratio Lower Upper

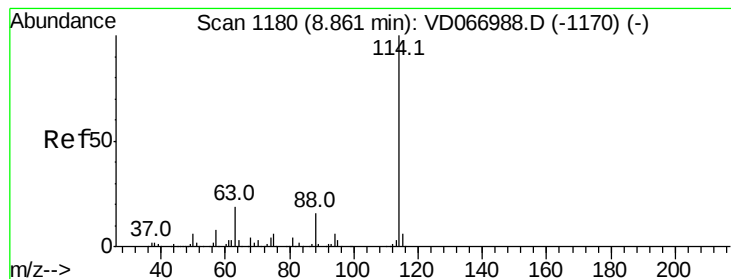
65 100

67 51.4 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: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

SC-3-(6.5)

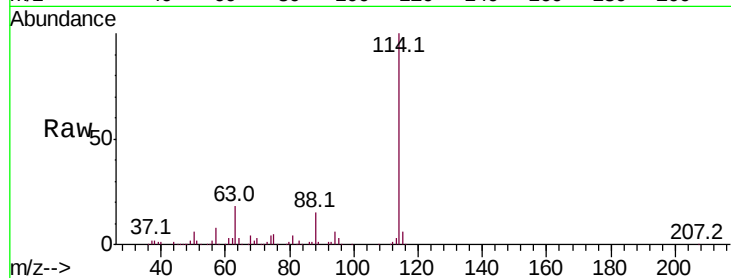
Tot Ion:114 Resp: 698303

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.3 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

400000

300000

200000

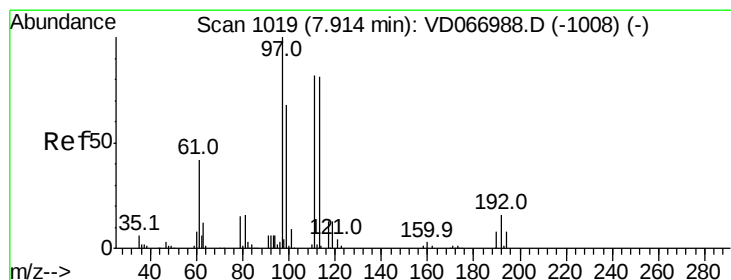
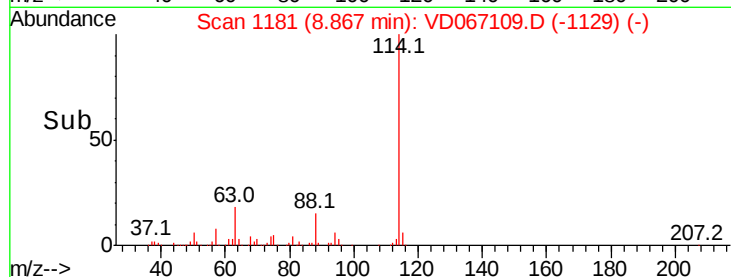
100000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 49.787 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

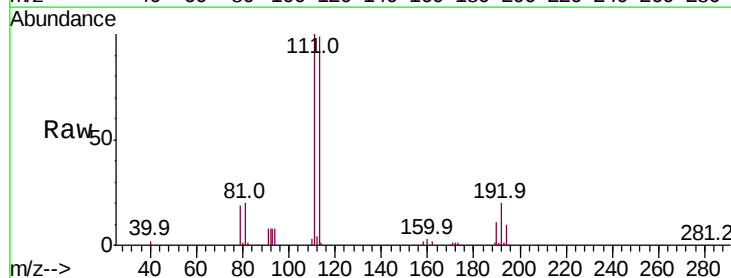
Tgt Ion:113 Resp: 227607

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

192 19.9 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

120000

100000

80000

60000

40000

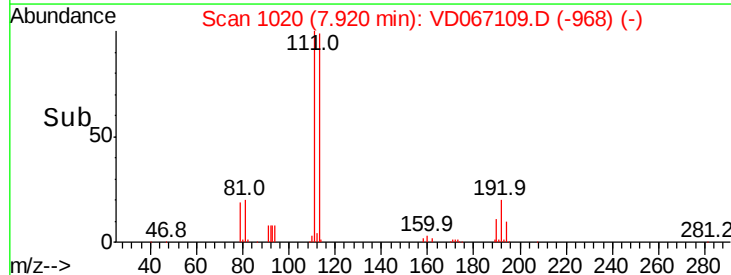
20000

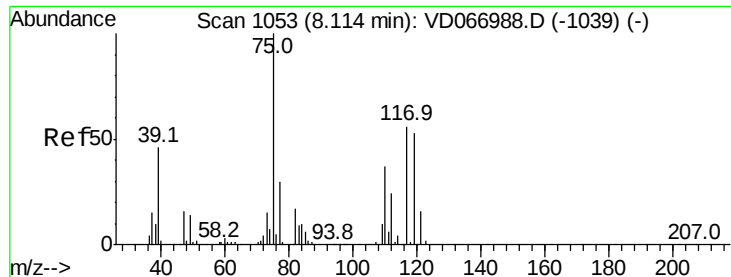
0

7.92

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampled :

SC-3-(6.5)

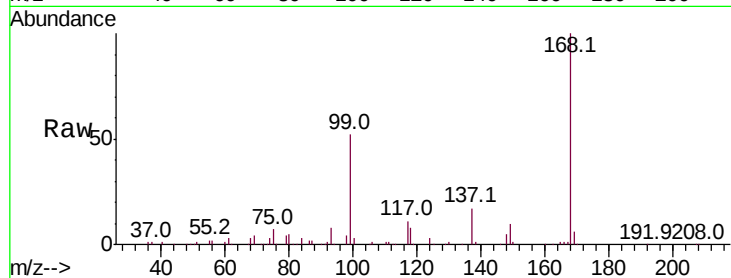
Tot Ion: 75 Resp: 29926

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

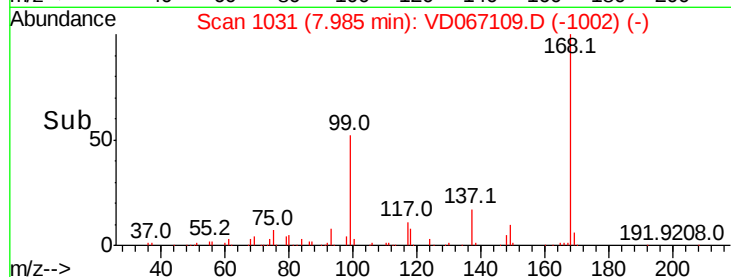
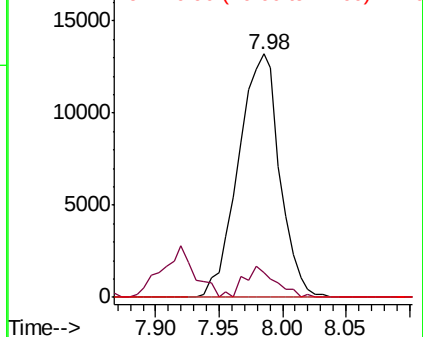
77 0.0 24.8 37.2#



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: 5.821 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

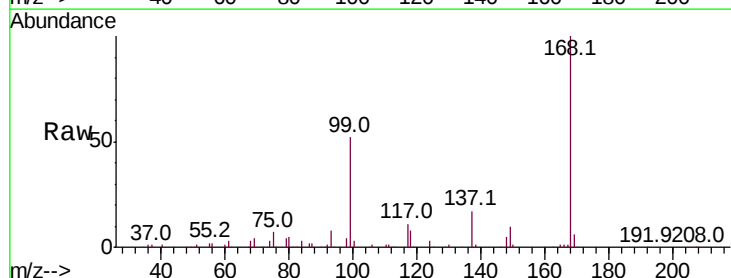
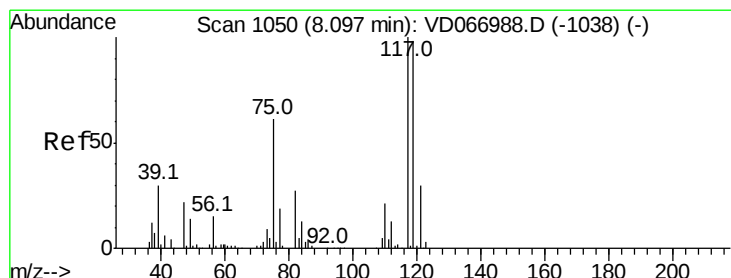
Tgt Ion: 117 Resp: 40993

Ion Ratio Lower Upper

117 100

119 4.4 78.7 118.1#

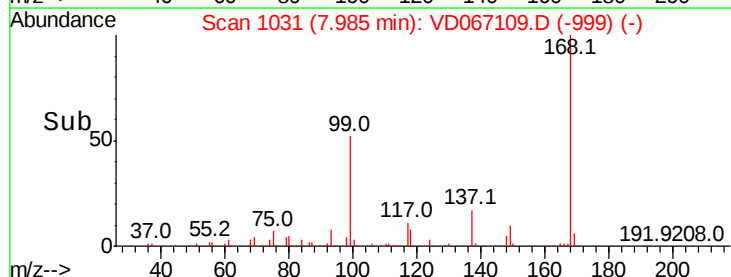
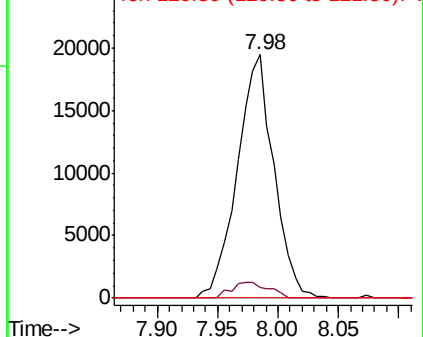
121 0.0 24.2 36.2#

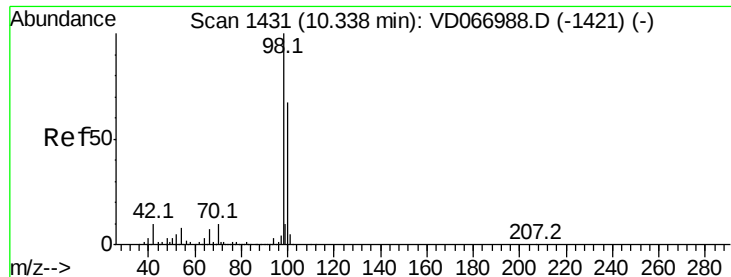


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

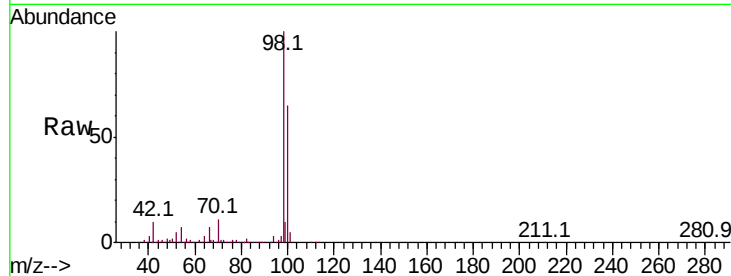
SC-3-(6.5)

Tot Ion: 98 Resp: 826847

Ion Ratio Lower Upper

98 100

100 64.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

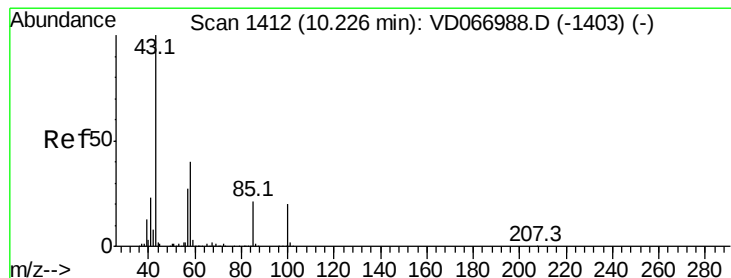
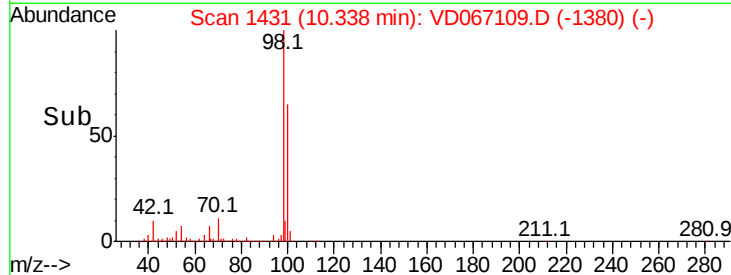
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.669 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067109.D

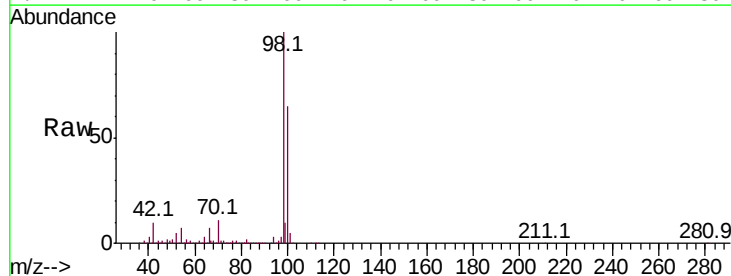
Acq: 06 Oct 2020 15:50

Tgt Ion: 43 Resp: 3453

Ion Ratio Lower Upper

43 100

58 180.0 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4000

3000

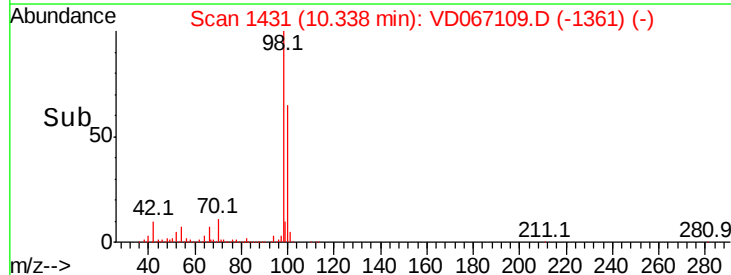
2000

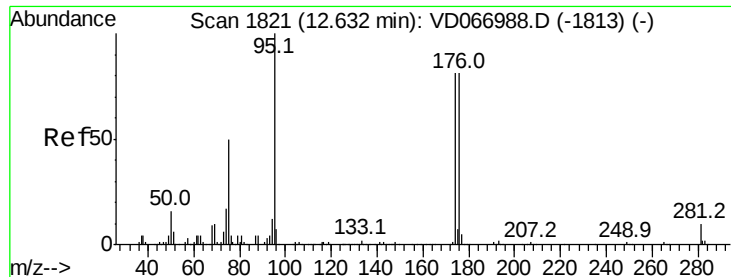
1000

0

Time-->

10.30 10.35 10.40

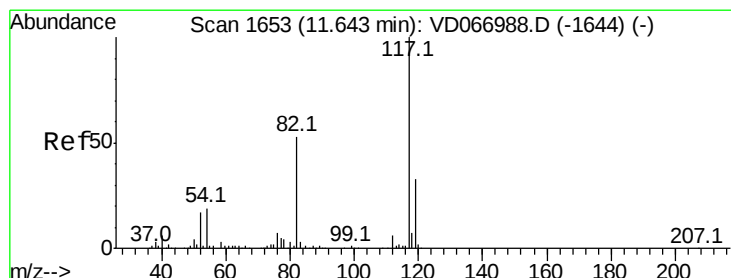
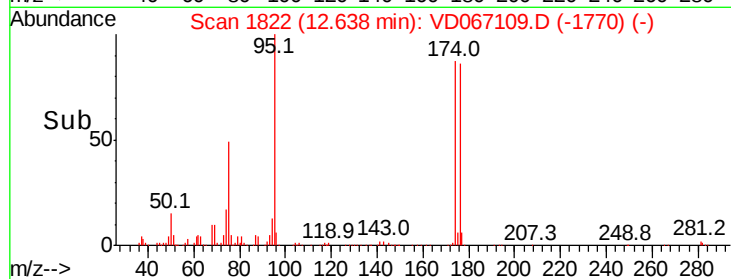
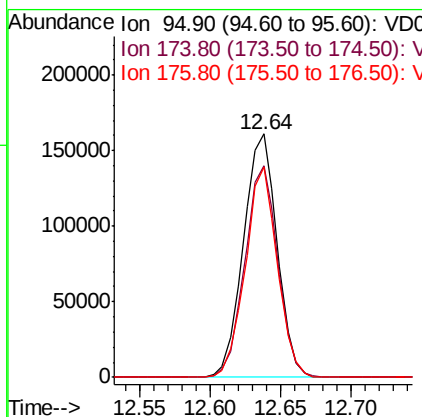
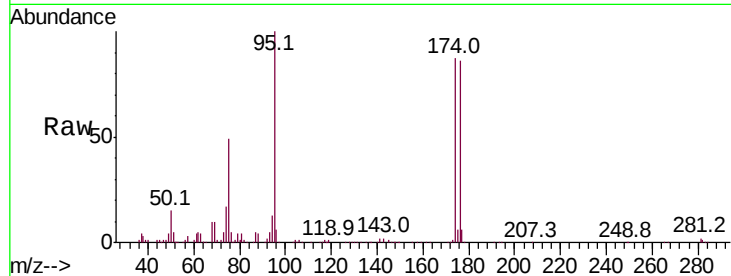




#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067109.D
Acq: 06 Oct 2020 15:50

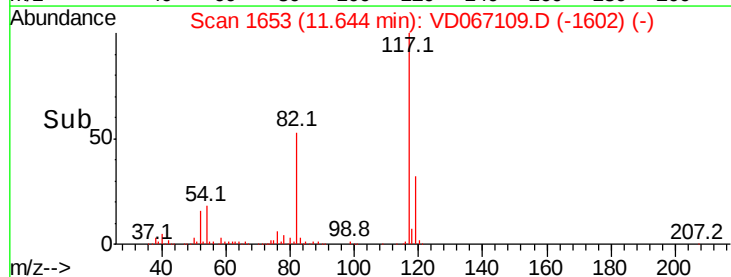
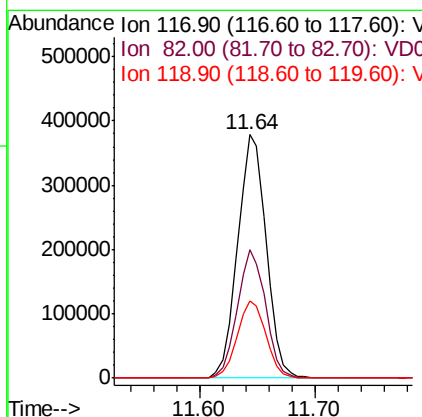
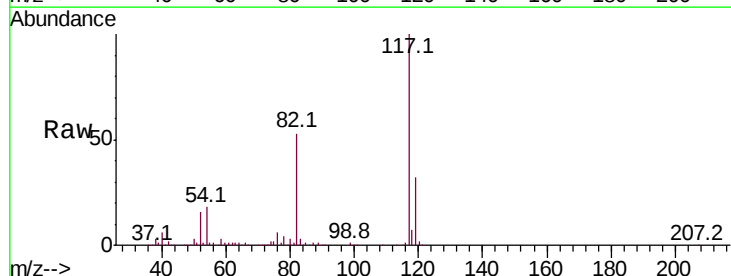
Instrument :
MSVOA_D
ClientSampleId :
SC-3-(6.5)

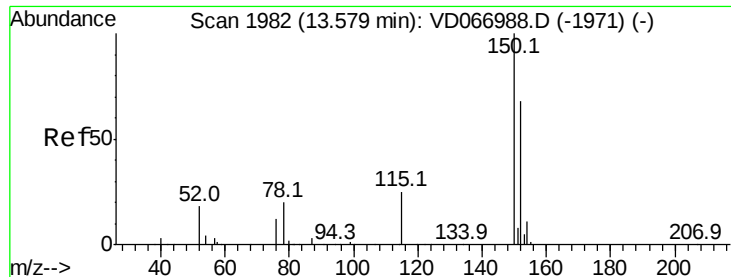
Tot Ion: 95 Resp: 268431
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 82.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067109.D
Acq: 06 Oct 2020 15:50

Tgt Ion: 117 Resp: 648708
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 31.8 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: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

SC-3-(6.5)

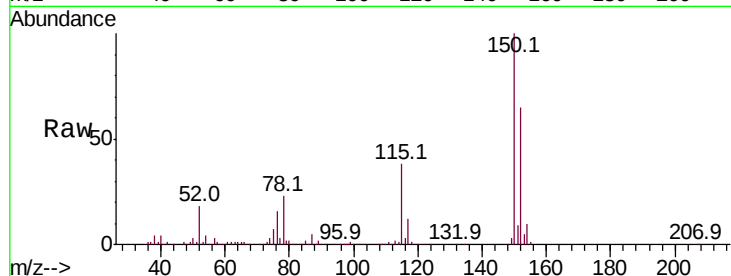
Tot Ion:152 Resp: 297617

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.8

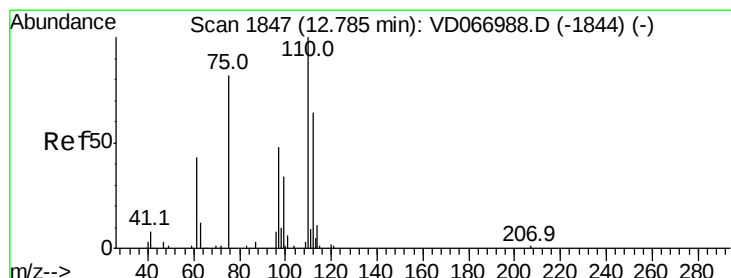
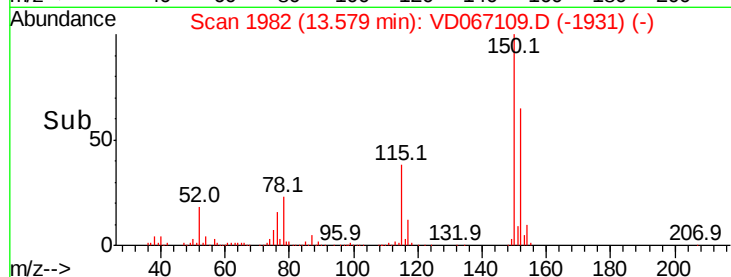
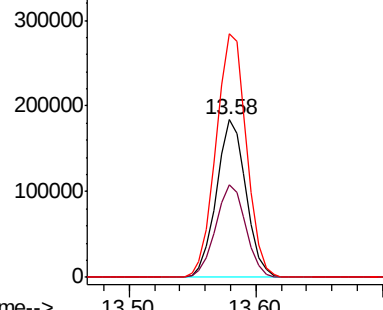
150 159.4 0.0 344.8



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: 51.917 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067109.D

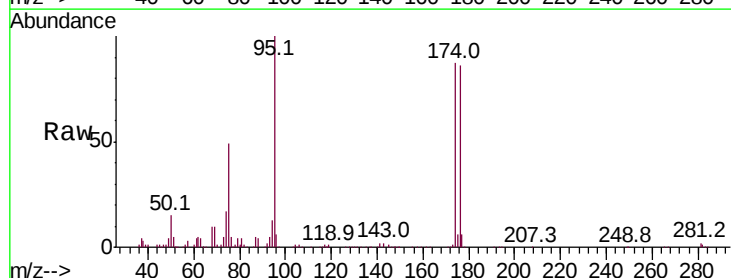
Acq: 06 Oct 2020 15:50

Tgt Ion: 75 Resp: 134587

Ion Ratio Lower Upper

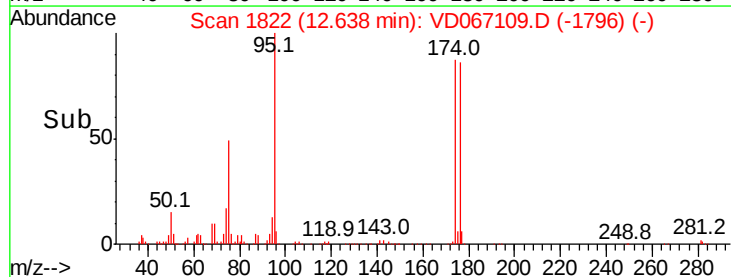
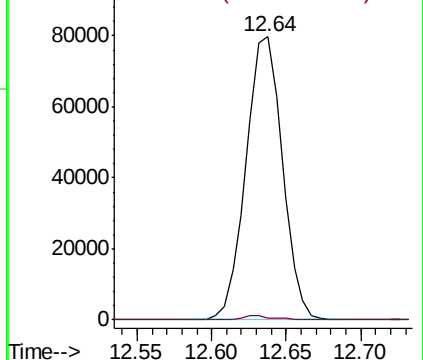
75 100

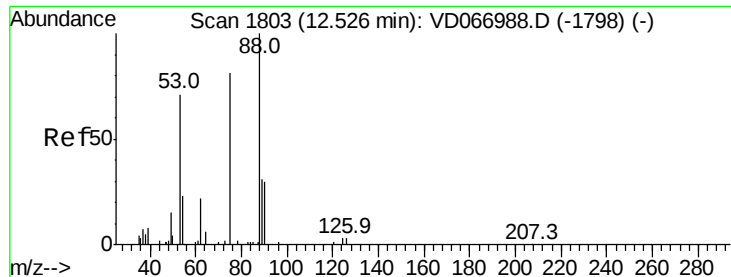
77 1.3 0.0 0.0#



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: 129.436 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067109.D

Acq: 06 Oct 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

SC-3-(6.5)

Tot Ion: 75 Resp: 134587

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

