

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067108.D
 Acq On : 06 Oct 2020 15:23
 Operator : VA/SY
 Sample : L4272-27
 Misc : 7.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-2-(6.5)

Quant Time: Oct 07 01:11:25 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	415871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	703498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	649036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303252	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	211435	52.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.56%	
35) Dibromofluoromethane	7.91	113	224288	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
50) Toluene-d8	10.34	98	825834	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.64	95	272046	47.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.50%	

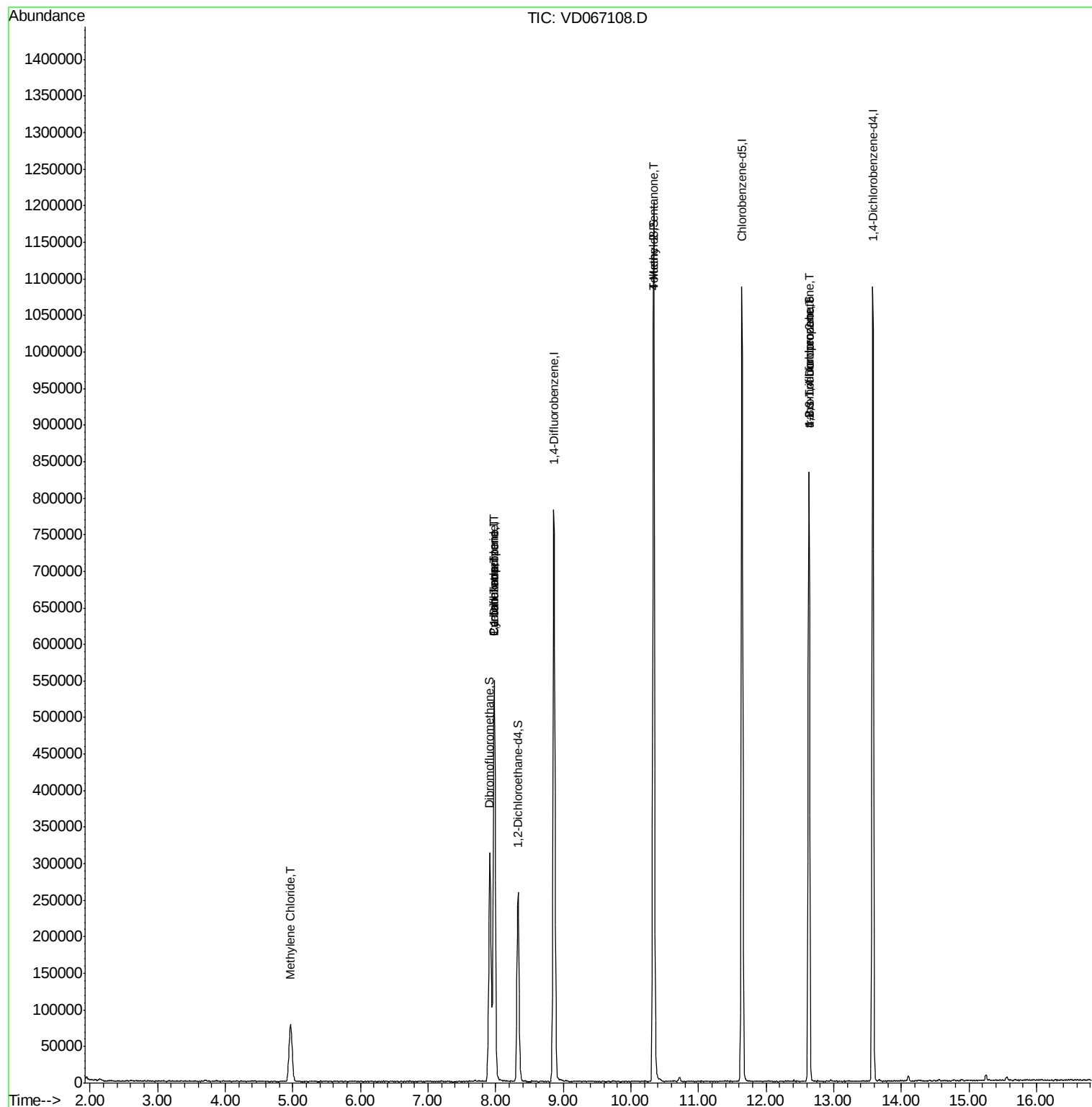
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	72	Below Cal	#	40
5) Bromomethane	2.76	94	55	Below Cal	#	74
20) Methylene Chloride	4.97	84	68185	9.876	ug/l	94
31) Cyclohexane	7.97	56	8407	1.398	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	29329	4.473	ug/l #	49
38) Carbon Tetrachloride	7.98	117	43042	6.067	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	2761	1.325	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	136713	51.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136713	129.037	ug/l #	12

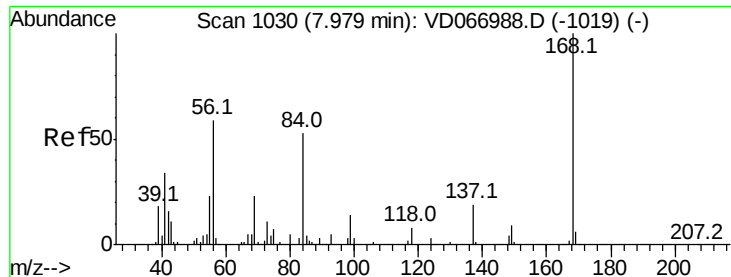
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 01:11:25 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: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

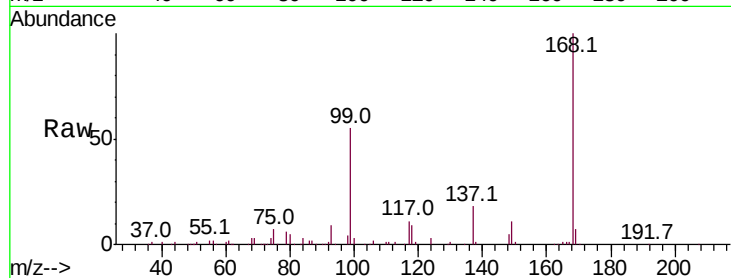
SC-2-(6.5)

Tot Ion:168 Resp: 415871

Ion Ratio Lower Upper

168 100

99 55.0 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

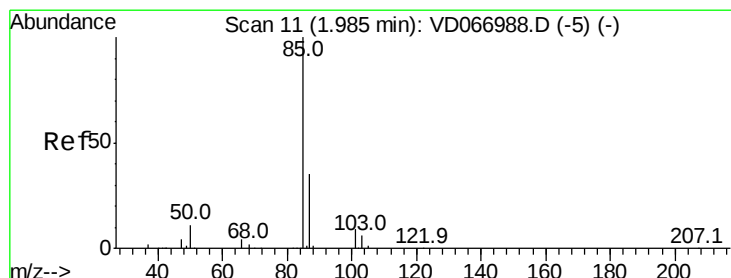
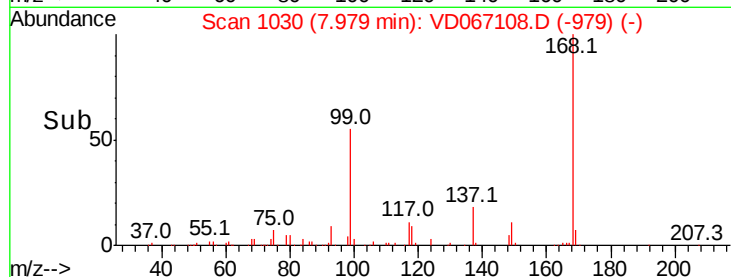
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067108.D

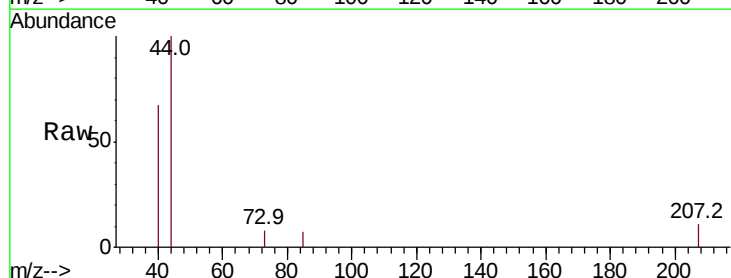
Acq: 06 Oct 2020 15:23

Tgt Ion: 85 Resp: 72

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

200

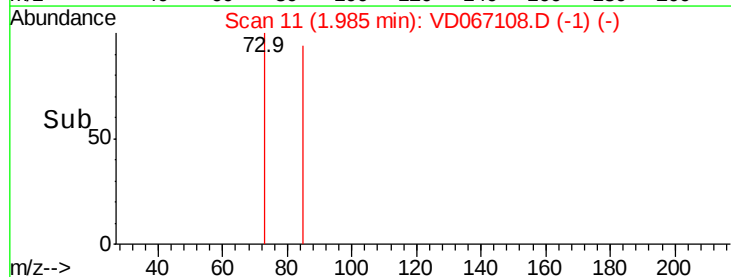
150

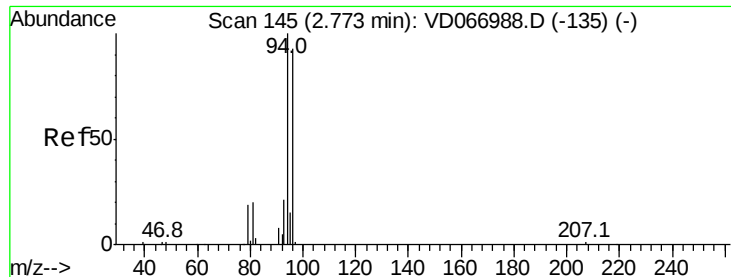
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

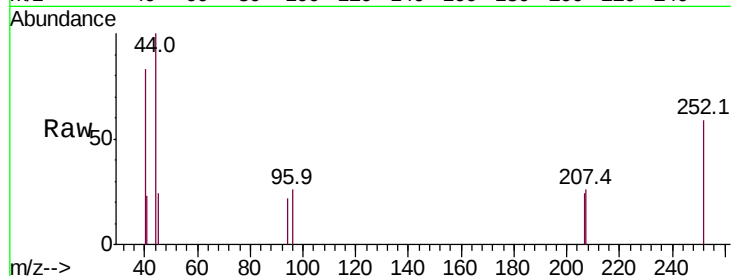
SC-2-(6.5)

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

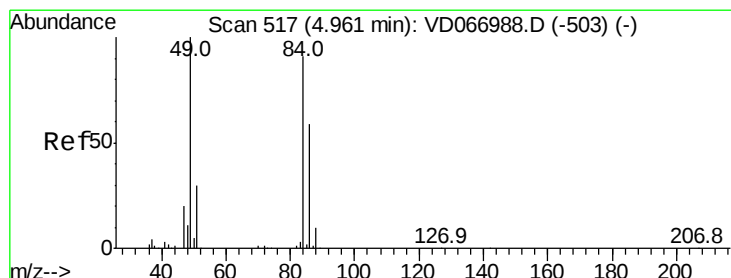
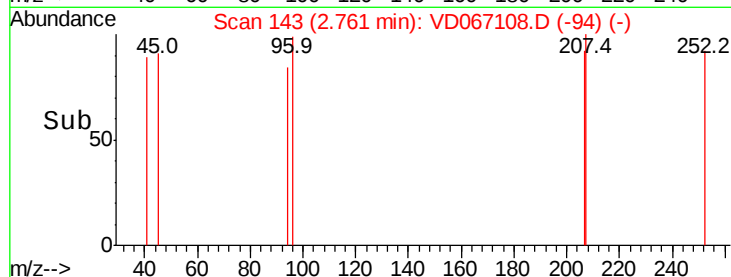
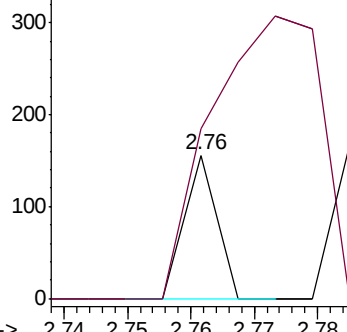
94 100

96 118.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: 9.876 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

Tgt Ion: 84 Resp: 68185

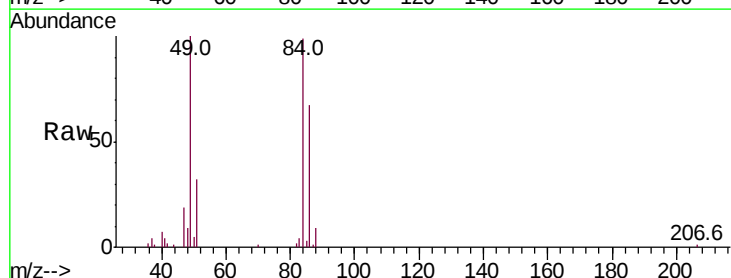
Ion Ratio Lower Upper

84 100

49 101.1 88.2 132.2

51 32.4 26.6 39.8

86 67.3 52.1 78.1

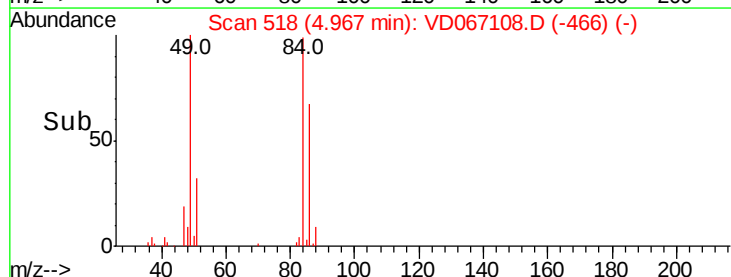
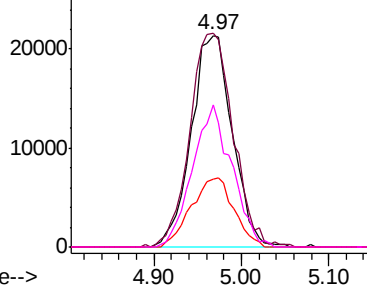


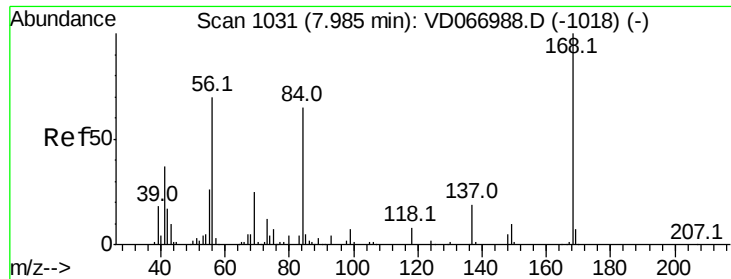
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

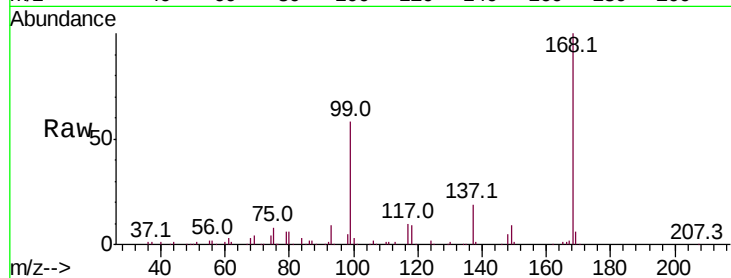




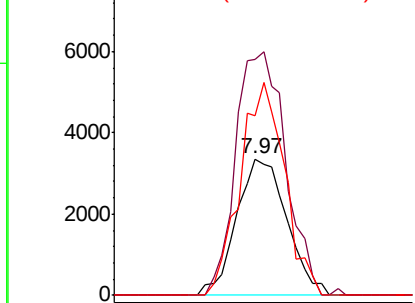
#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
SC-2-(6.5)

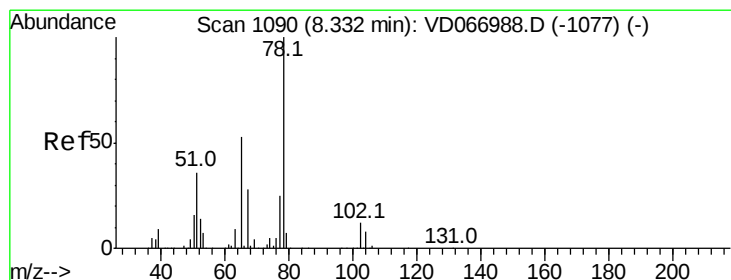
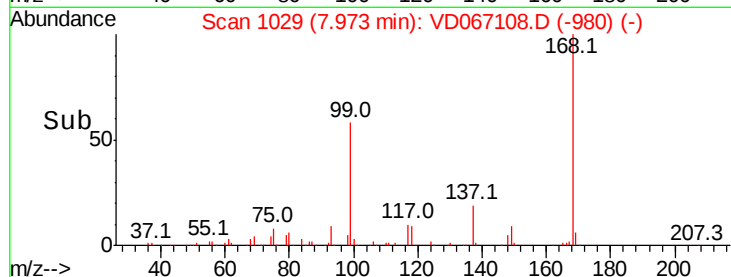
Tot Ion: 56 Resp: 8407
Ion Ratio Lower Upper
56 100
69 173.0 29.0 43.6#
84 132.2 74.2 111.2#



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

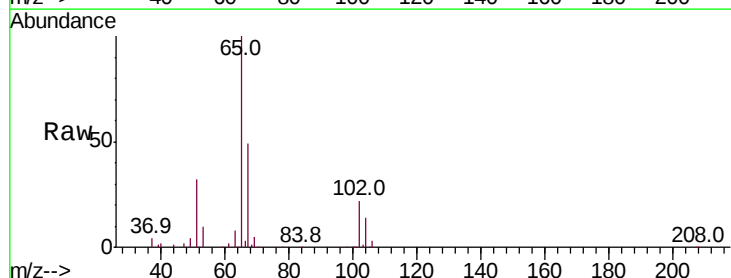


Time-->

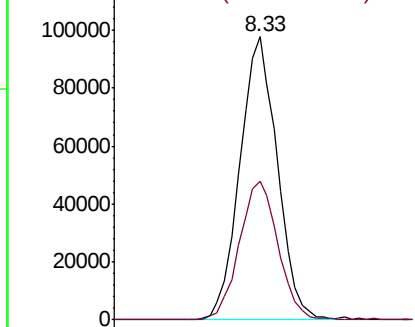


#33
1,2-Dichloroethane-d4
Concen: 52.784 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

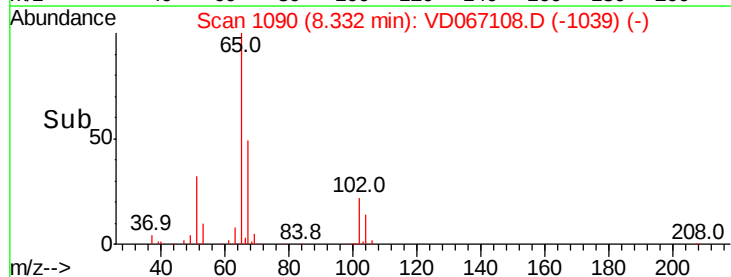
Tgt Ion: 65 Resp: 211435
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.8

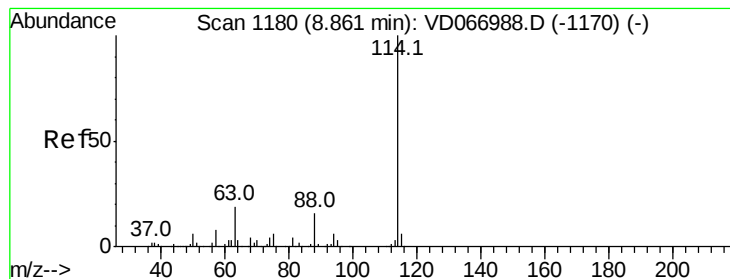


Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

SC-2-(6.5)

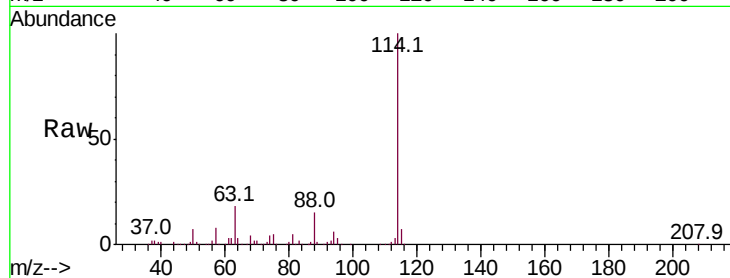
Tot Ion:114 Resp: 703498

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

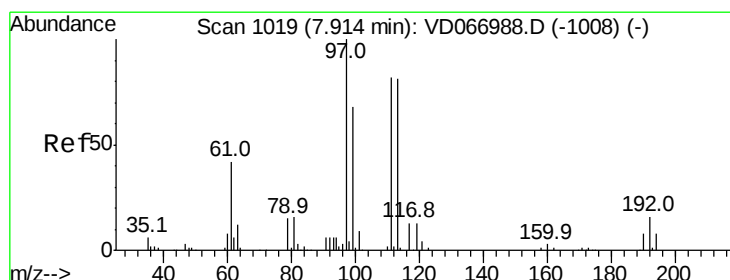
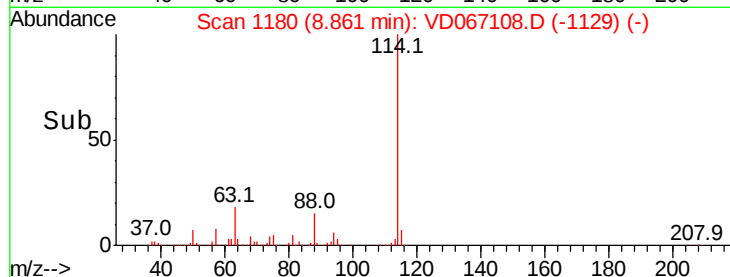
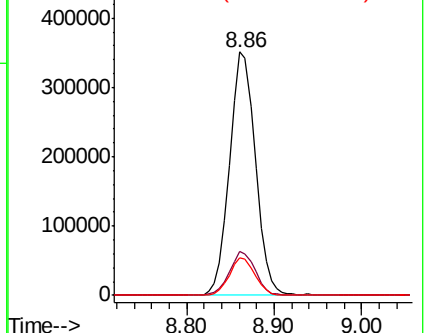
88 15.4 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 48.698 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

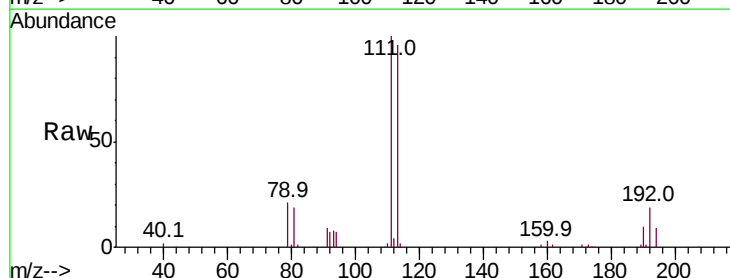
Tgt Ion:113 Resp: 224288

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.4

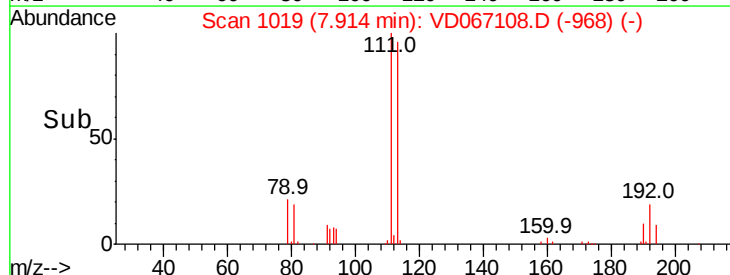
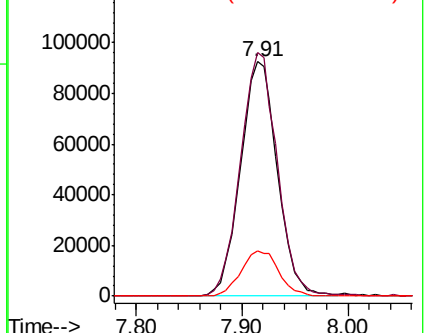
192 19.8 15.5 23.3

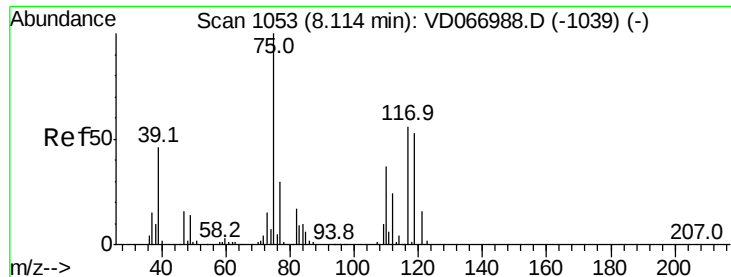


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

SC-2-(6.5)

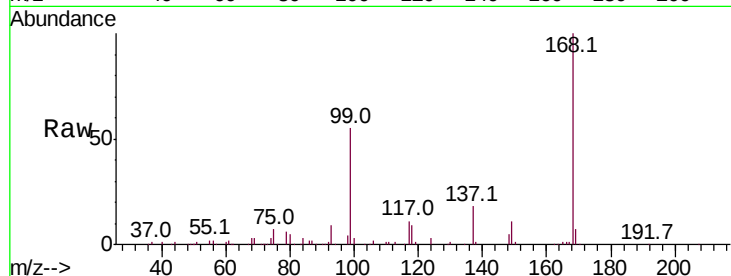
Tot Ion: 75 Resp: 29329

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

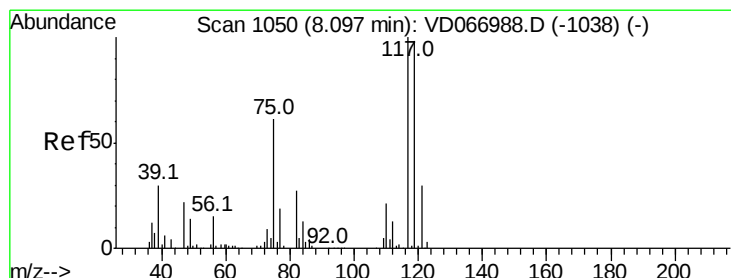
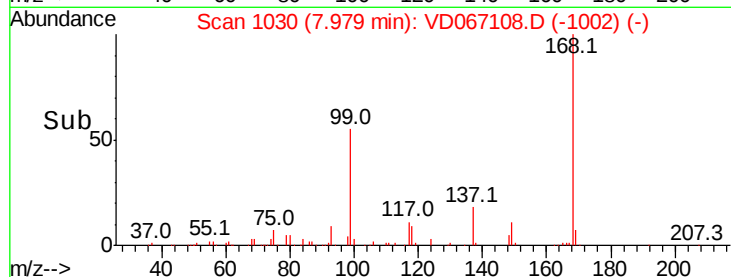
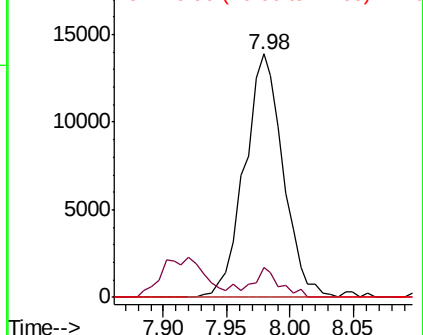
77 0.0 24.8 37.2#



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: 6.067 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

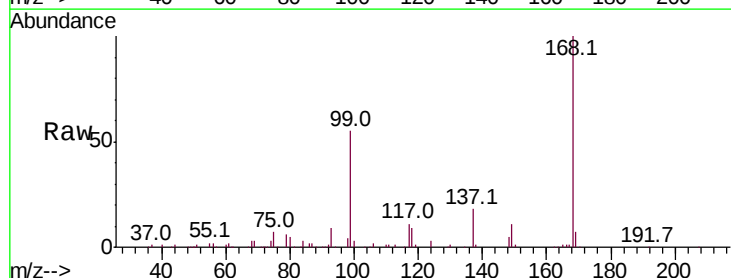
Tgt Ion: 117 Resp: 43042

Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

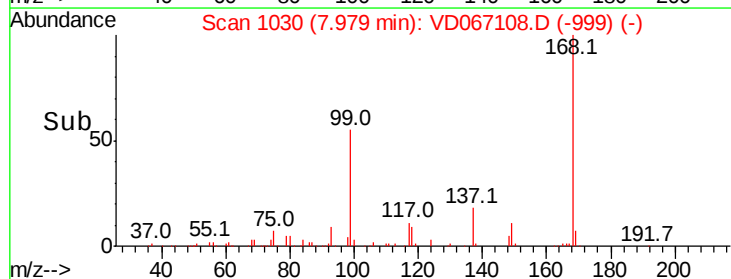
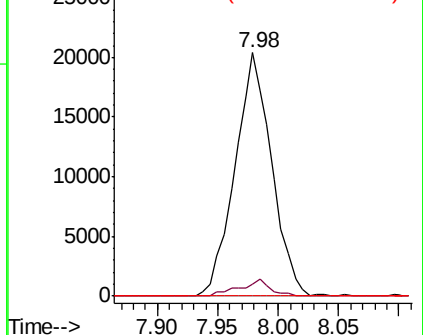
121 0.0 24.2 36.2#

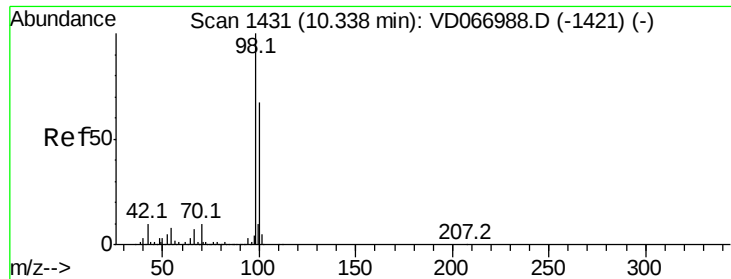


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

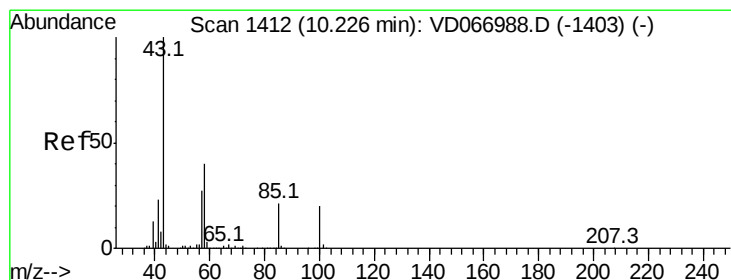
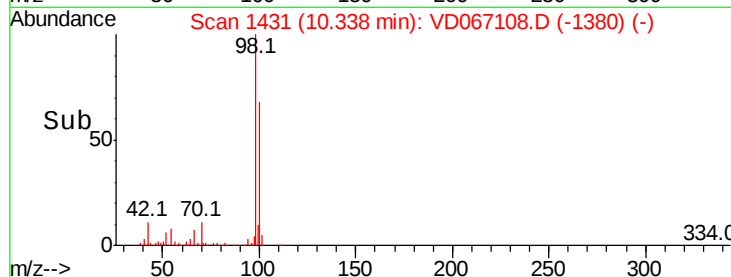
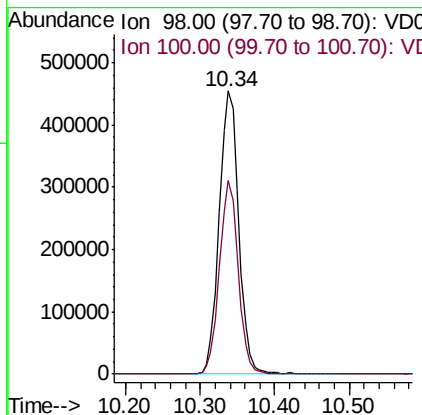
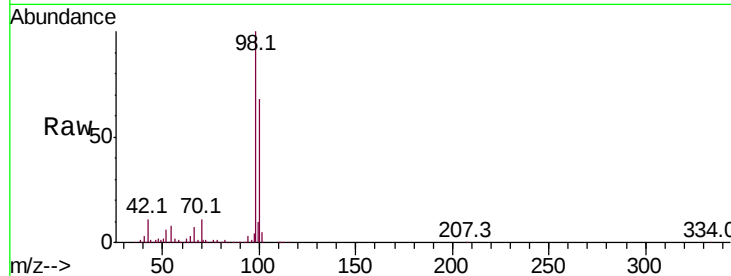




#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

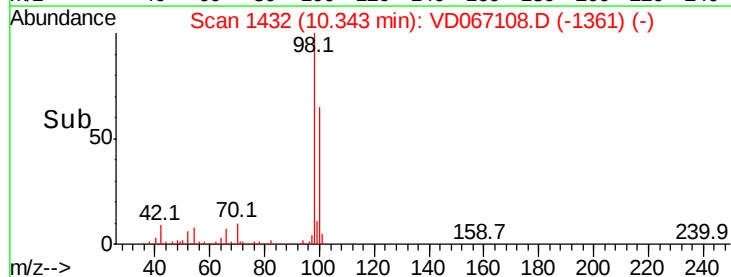
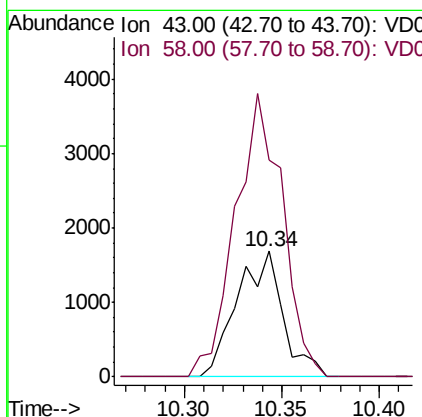
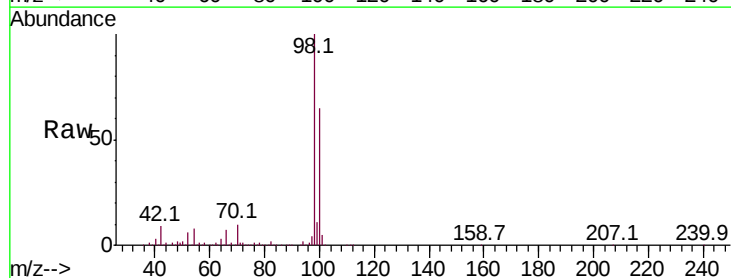
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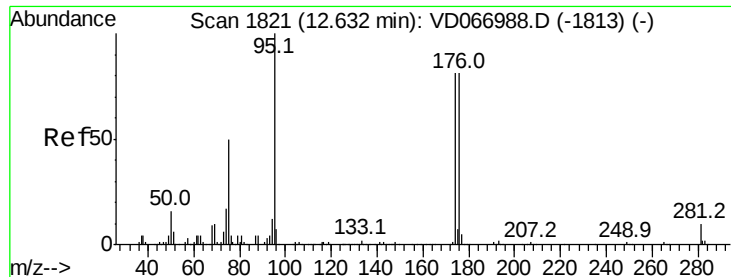
Tot Ion: 98 Resp: 825834
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.325 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

Tgt Ion: 43 Resp: 2761
Ion Ratio Lower Upper
43 100
58 229.4 33.8 50.8#

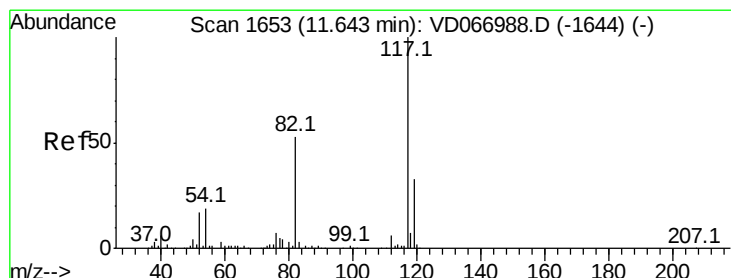
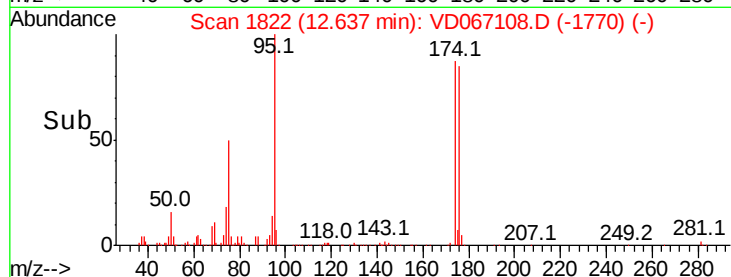
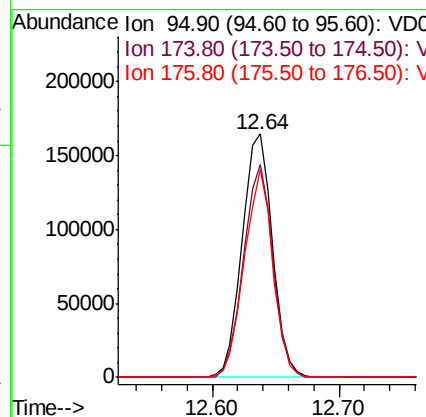
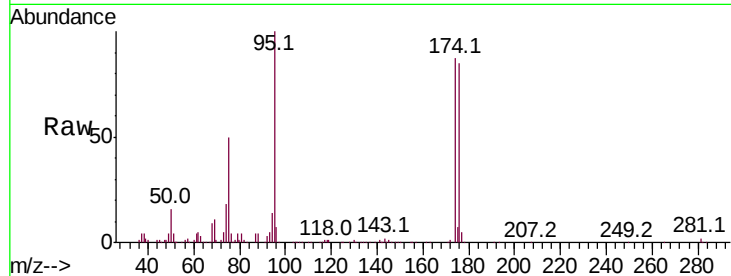




#62
4-Bromofluorobenzene
Concen: 47.750 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

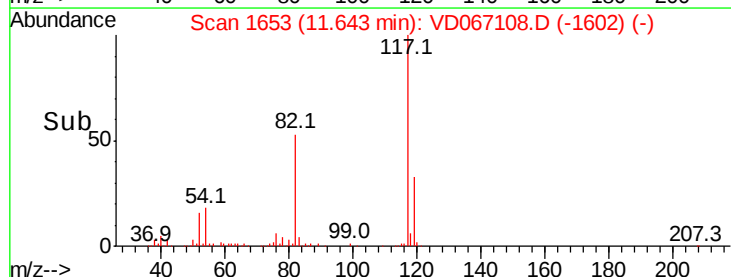
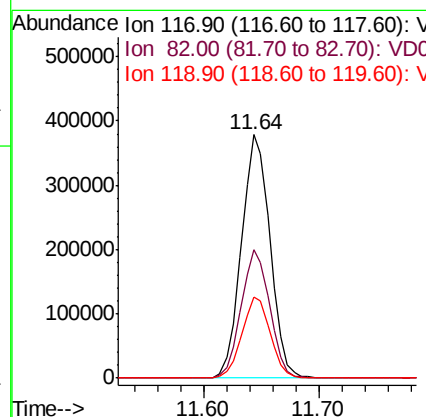
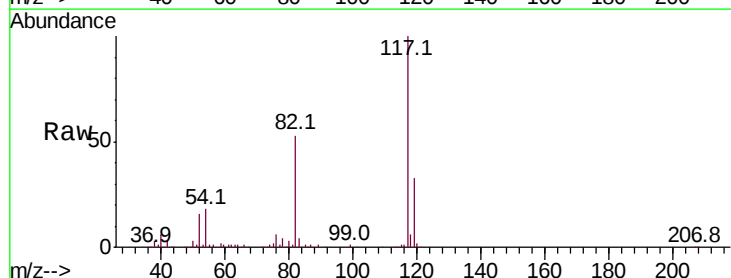
Instrument :
MSVOA_D
ClientSampleId :
SC-2-(6.5)

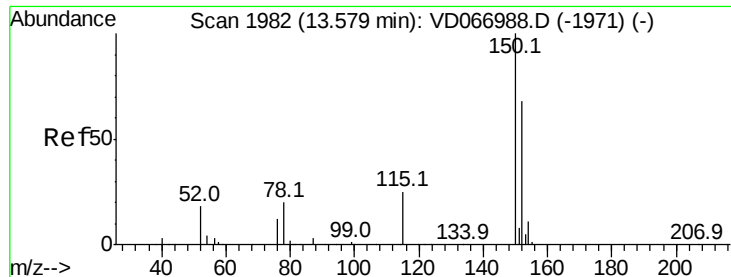
Tot Ion: 95 Resp: 272046
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.6
176 80.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067108.D
Acq: 06 Oct 2020 15:23

Tgt Ion: 117 Resp: 649036
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 33.2 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: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

SC-2-(6.5)

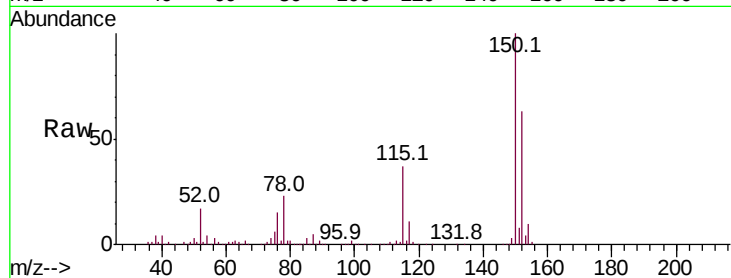
Tot Ion:152 Resp: 303252

Ion Ratio Lower Upper

152 100

115 57.8 29.6 88.8

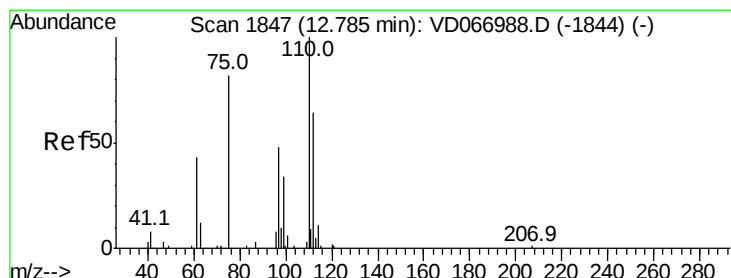
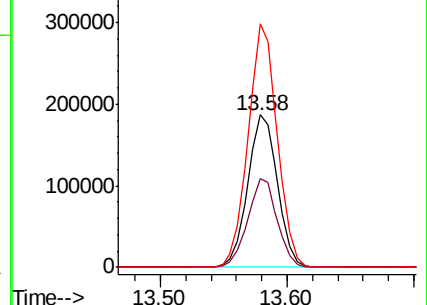
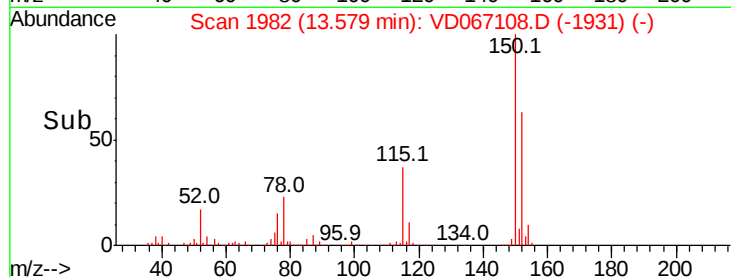
150 156.8 0.0 344.8



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: 51.757 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067108.D

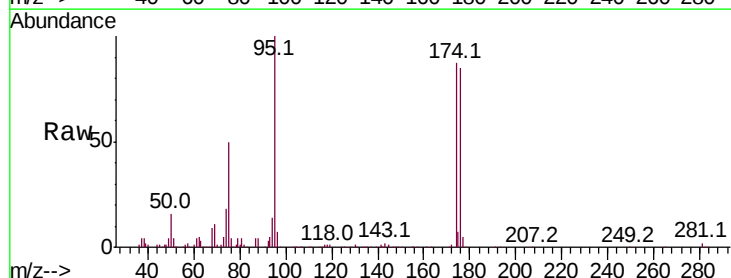
Acq: 06 Oct 2020 15:23

Tgt Ion: 75 Resp: 136713

Ion Ratio Lower Upper

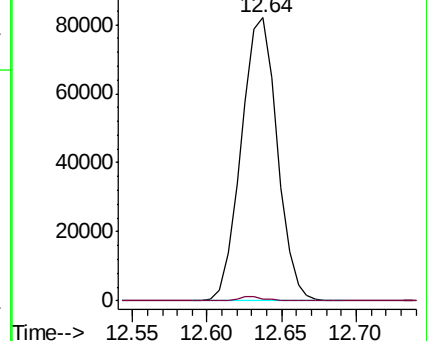
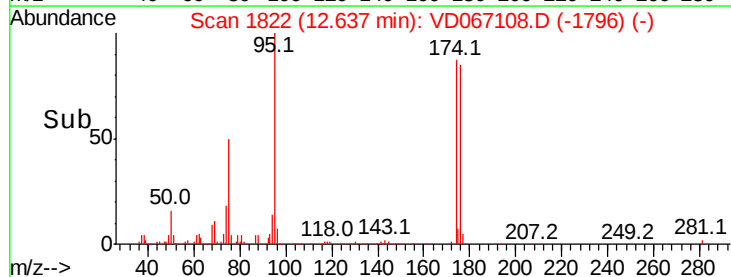
75 100

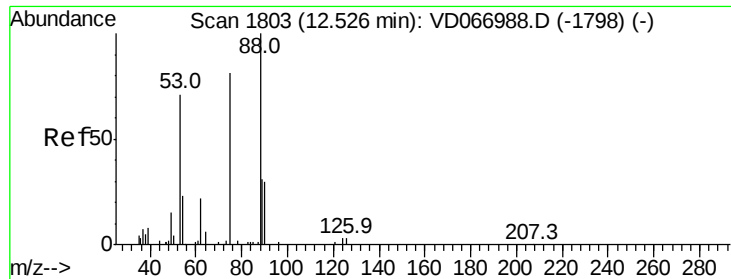
77 1.1 0.0 0.0#



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: 129.037 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067108.D

Acq: 06 Oct 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

SC-2-(6.5)

Tot Ion: 75 Resp: 136713

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

