

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067105.D
 Acq On : 06 Oct 2020 14:00
 Operator : VA/SY
 Sample : L4272-18
 Misc : 7.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-3-(6)

Quant Time: Oct 07 01:10:49 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	418172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	659068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305490	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	217325	53.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.92%	
35) Dibromofluoromethane	7.91	113	236930	50.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.30%	
50) Toluene-d8	10.34	98	854319	49.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.63	95	276594	47.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.64%	

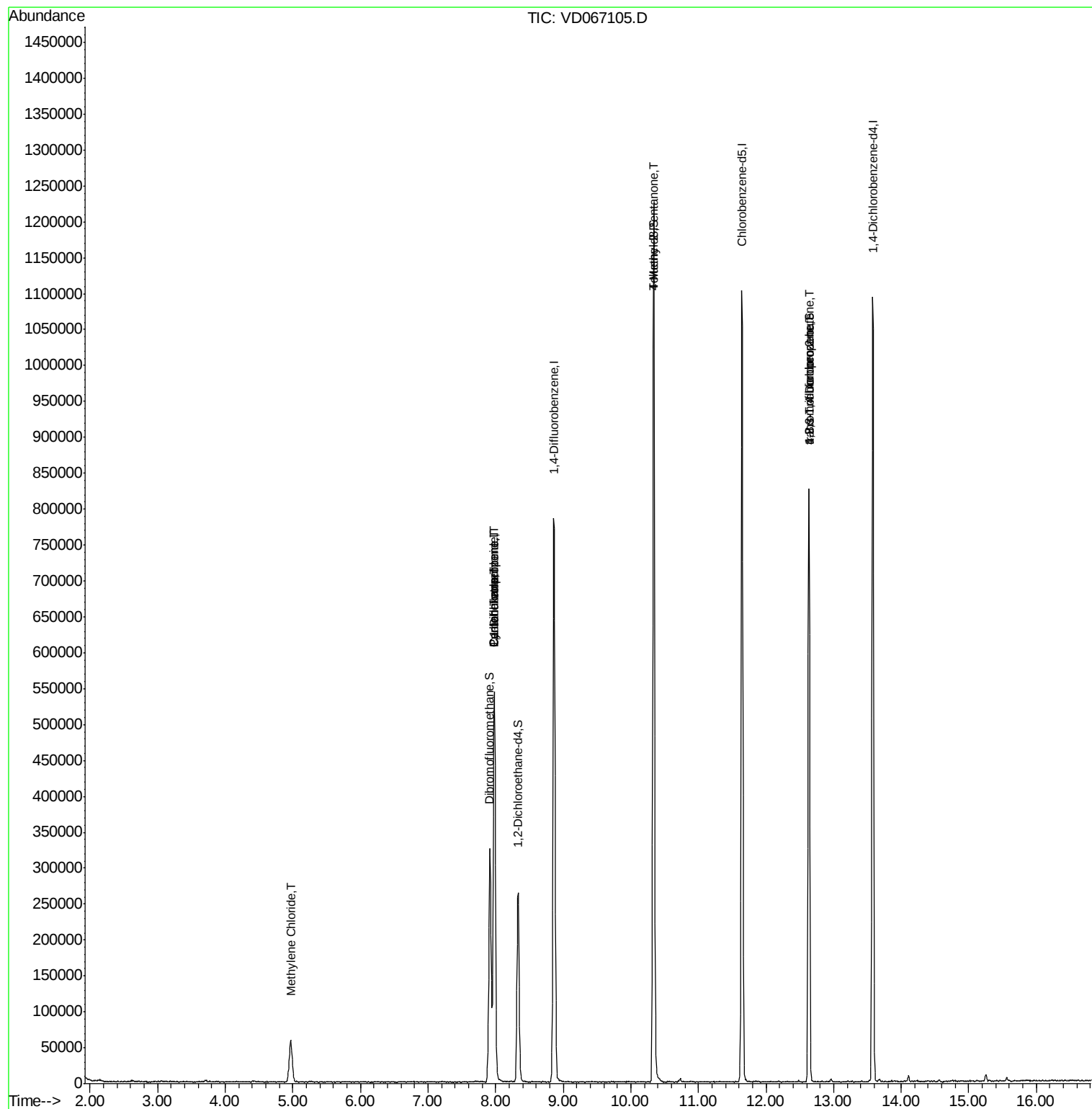
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	126	Below Cal	#	40
5) Bromomethane	2.77	94	357	Below Cal	#	3
20) Methylene Chloride	4.97	84	47594	4.252	ug/l	97
26) 2,2-Dichloropropane	7.24	77	84	Below Cal	#	53
31) Cyclohexane	7.99	56	8887	1.469	ug/l #	6
36) 1,1-Dichloropropene	7.99	75	31410	4.669	ug/l #	51
38) Carbon Tetrachloride	7.98	117	42786	5.878	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3126	1.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	141070	53.015	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	141070	132.174	ug/l #	12

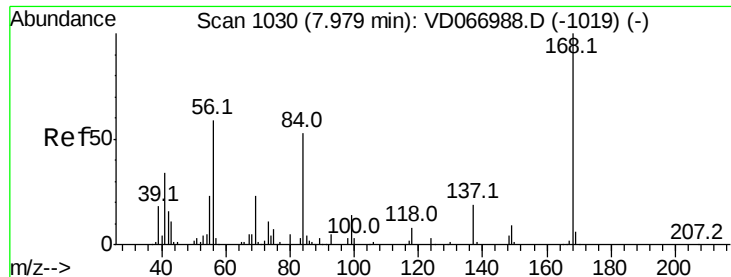
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
Data File : VD067105.D
Acq On : 06 Oct 2020 14:00
Operator : VA/SY
Sample : L4272-18
Misc : 7.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
GIS-3-(6)

Quant Time: Oct 07 01:10:49 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: VD067105.D

Acq: 06 Oct 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

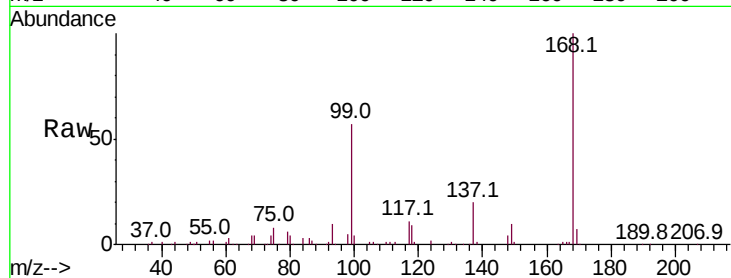
GIS-3-(6)

Tot Ion:168 Resp: 418172

Ion Ratio Lower Upper

168 100

99 56.9 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

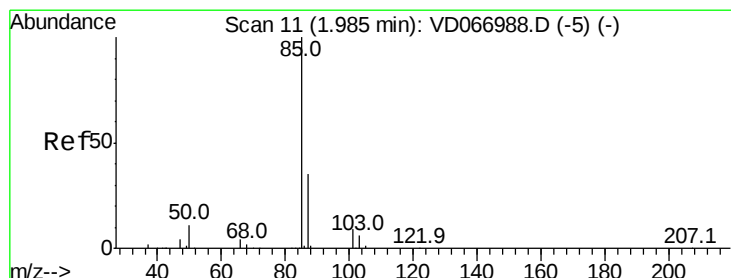
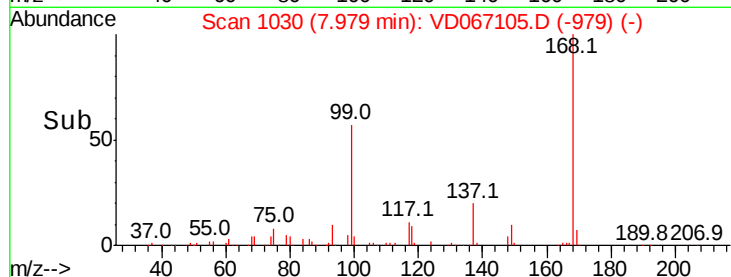
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067105.D

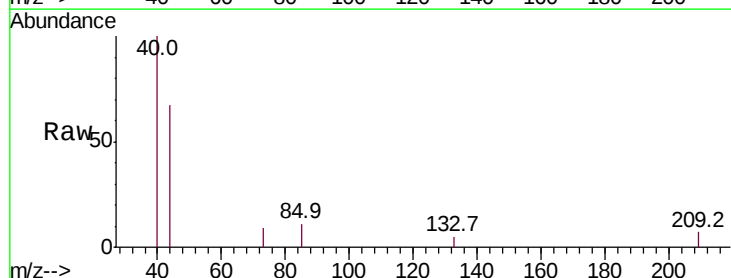
Acq: 06 Oct 2020 14:00

Tgt Ion: 85 Resp: 126

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

1.98

400

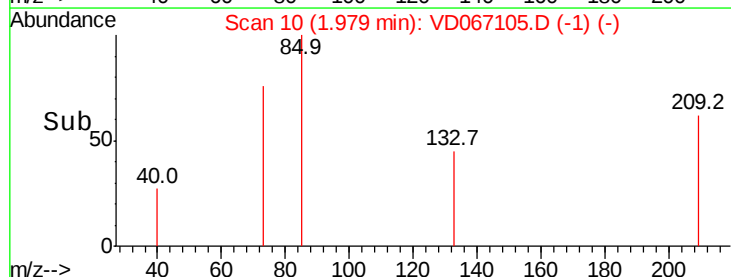
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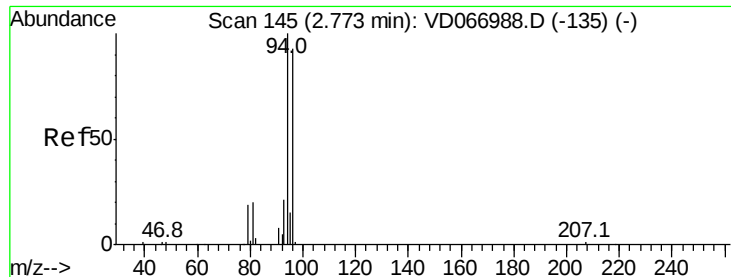
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Instrument :

MSVOA_D

ClientSampled :

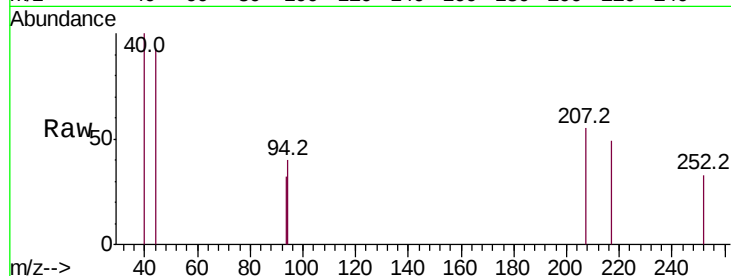
GIS-3-(6)

Tot Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

400

300

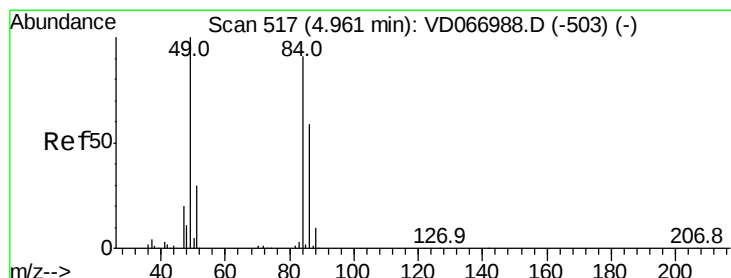
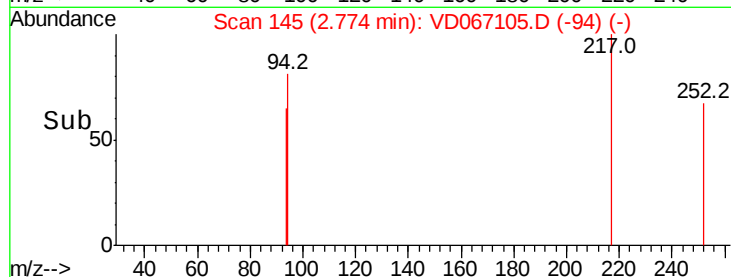
200

100

0

2.76 2.78 2.80

Time-->



#20

Methylene Chloride

Concen: 4.252 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Tgt Ion: 84 Resp: 47594

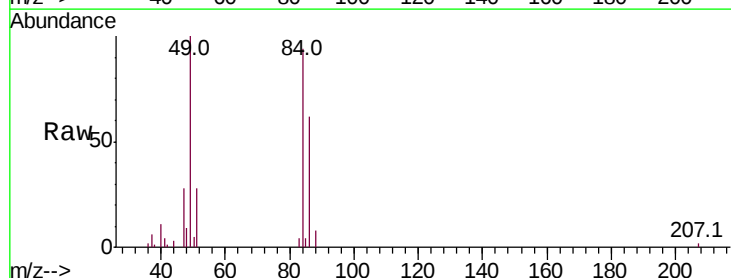
Ion Ratio Lower Upper

84 100

49 105.8 88.2 132.2

51 29.6 26.6 39.8

86 65.7 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

4.97

25000

20000

15000

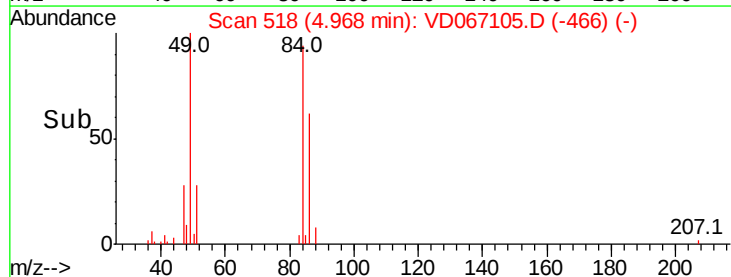
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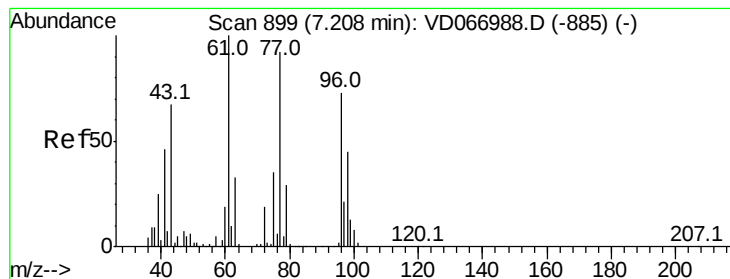
5000

0

4.90 5.00

Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.24 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Instrument :

MSVOA_D

ClientSampled :

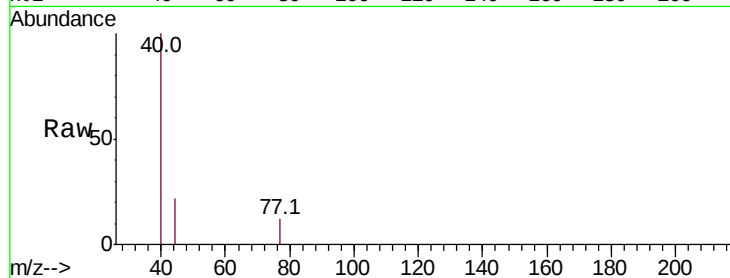
GIS-3-(6)

Tot Ion: 77 Resp: 84

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.24

250

200

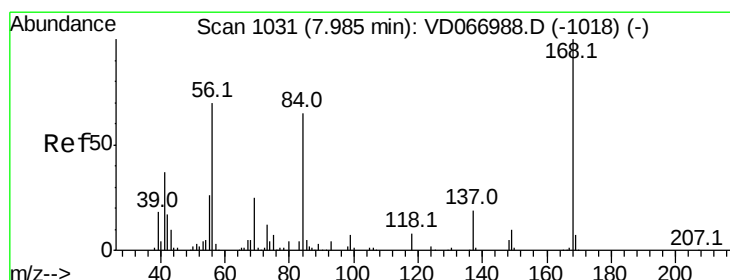
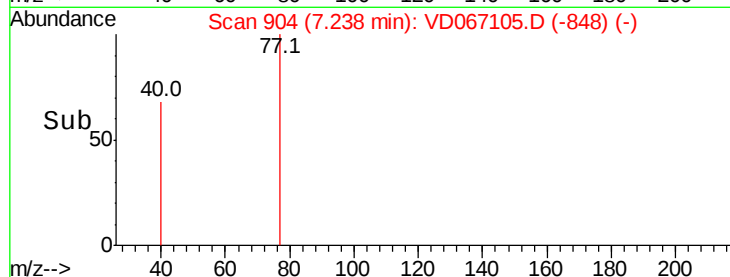
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.469 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

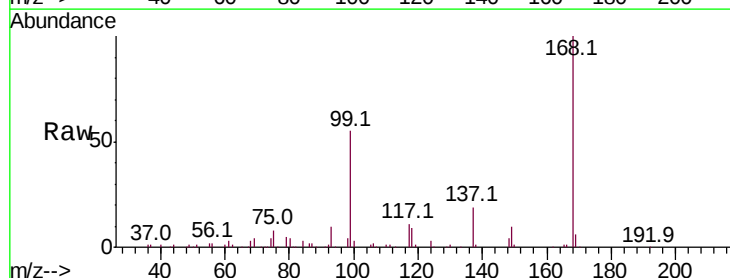
Tgt Ion: 56 Resp: 8887

Ion Ratio Lower Upper

56 100

69 176.0 29.0 43.6#

84 129.5 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

8000

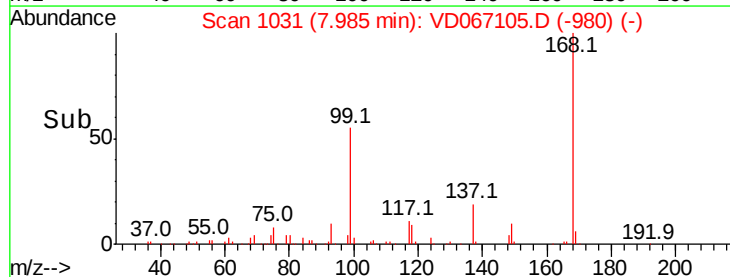
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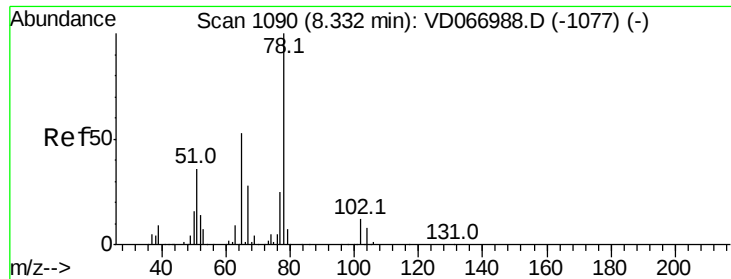
4000

2000

0

Time-->

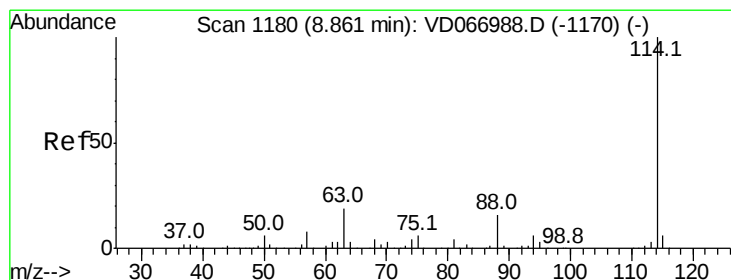
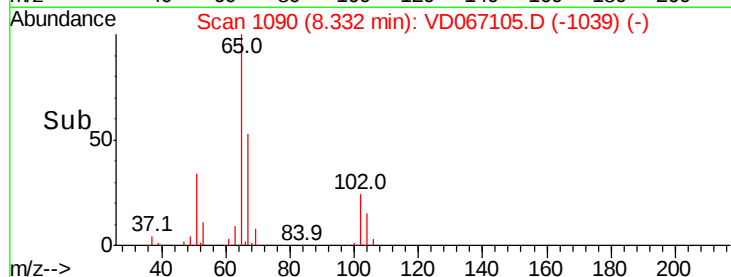
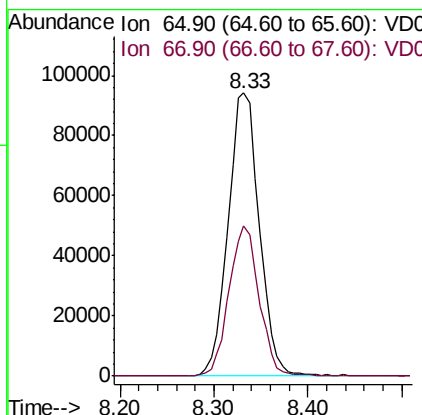
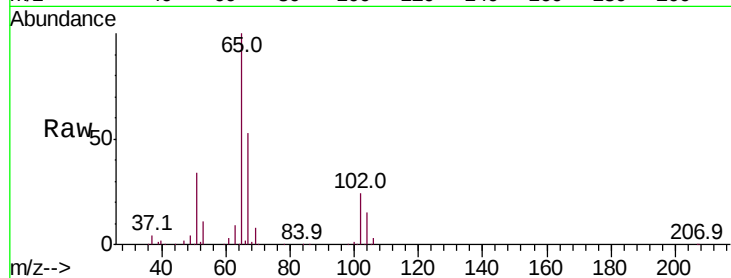




#33
 1,2-Dichloroethane-d4
 Concen: 53.956 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067105.D
 Acq: 06 Oct 2020 14:00

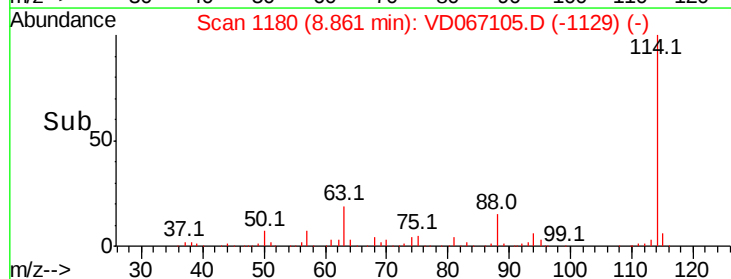
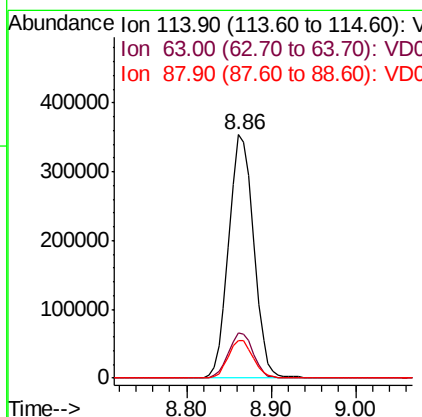
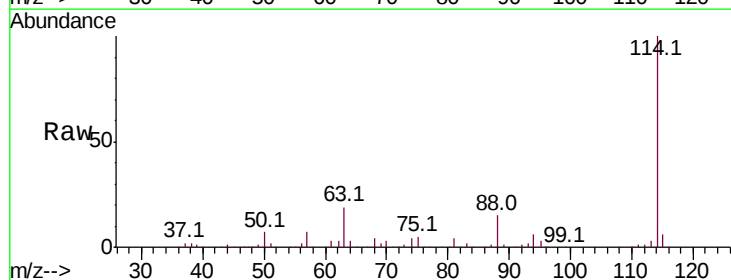
Instrument :
 MSVOA_D
 ClientSampled :
 GIS-3-(6)

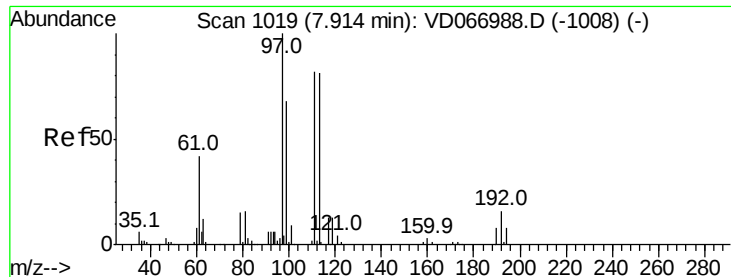
Tot Ion: 65 Resp: 217325
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067105.D
 Acq: 06 Oct 2020 14:00

Tgt Ion: 114 Resp: 721707
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 15.4 0.0 31.2

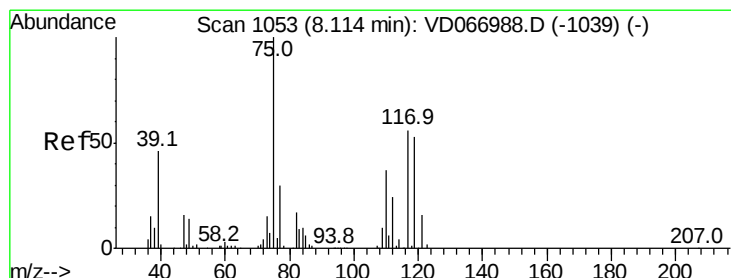
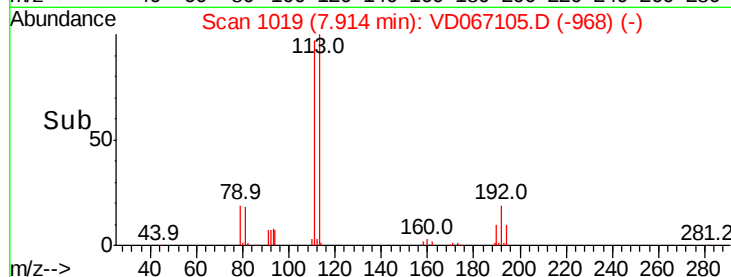
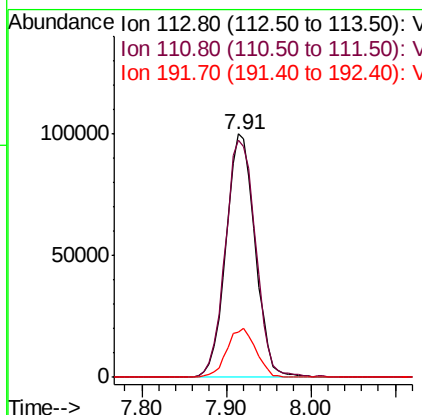
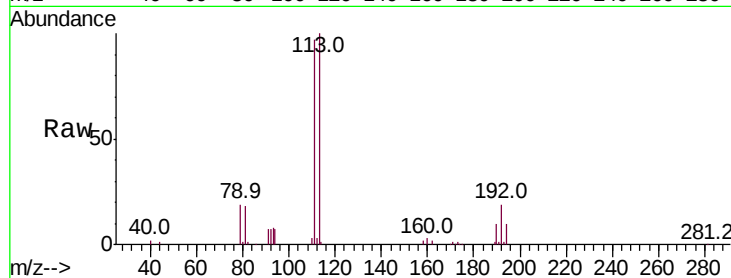




#35
 Dibromofluoromethane
 Concen: 50.145 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067105.D
 Acq: 06 Oct 2020 14:00

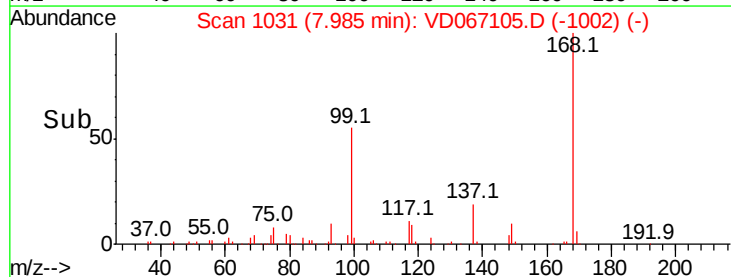
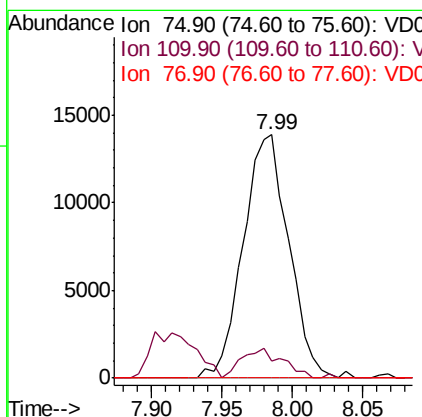
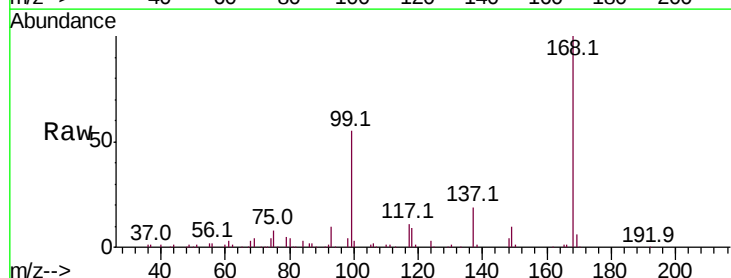
Instrument :
 MSVOA_D
 ClientSampled :
 GIS-3-(6)

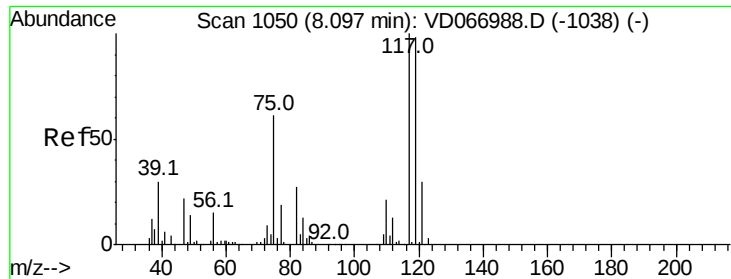
Tot Ion:113 Resp: 236930
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.4
 192 20.2 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067105.D
 Acq: 06 Oct 2020 14:00

Tgt Ion: 75 Resp: 31410
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.4 55.0#
 77 0.0 24.8 37.2#

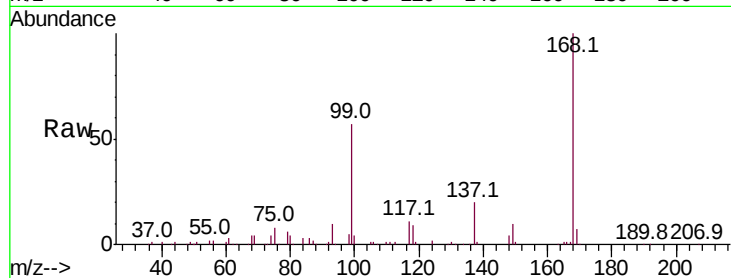




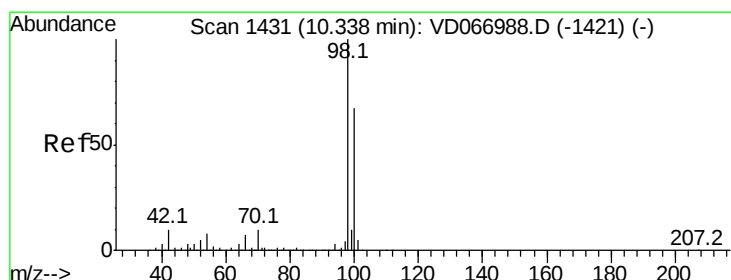
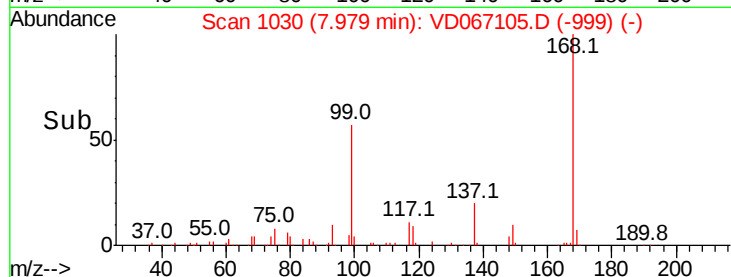
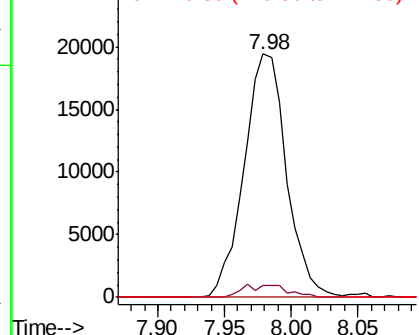
#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067105.D
Acq: 06 Oct 2020 14:00

Instrument :
MSVOA_D
ClientSampleId :
GIS-3-(6)

Tot Ion:117 Resp: 42786
Ion Ratio Lower Upper
117 100
119 4.8 78.7 118.1#
121 0.0 24.2 36.2#

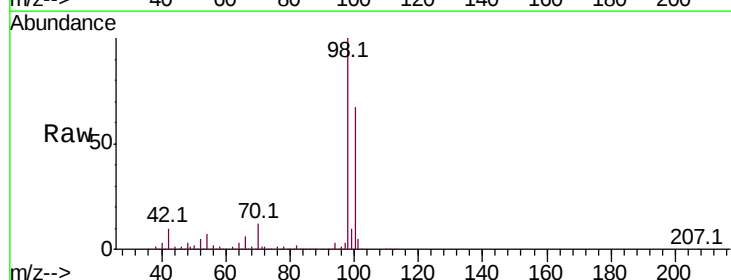


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

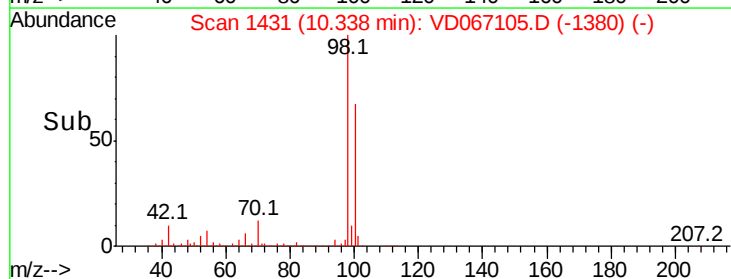
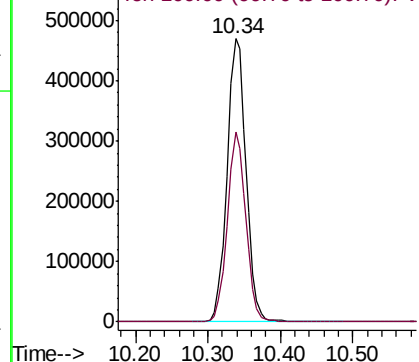


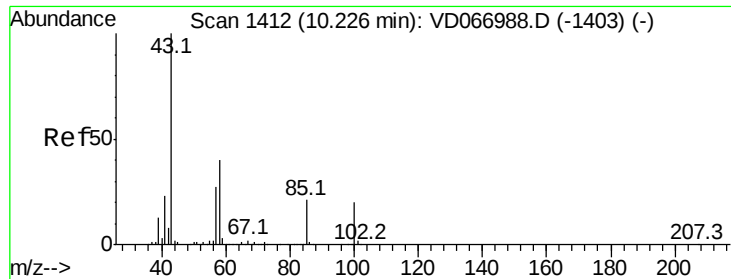
#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067105.D
Acq: 06 Oct 2020 14:00

Tgt Ion: 98 Resp: 854319
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.462 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

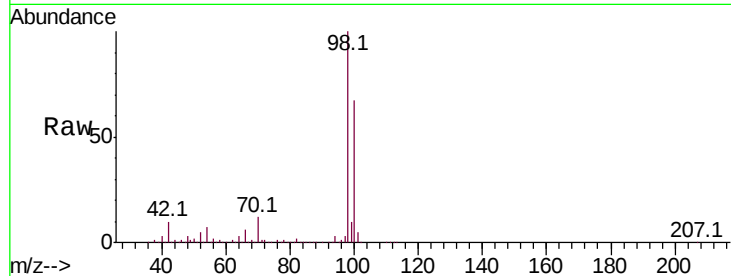
GIS-3-(6)

Tot Ion: 43 Resp: 3126

Ion Ratio Lower Upper

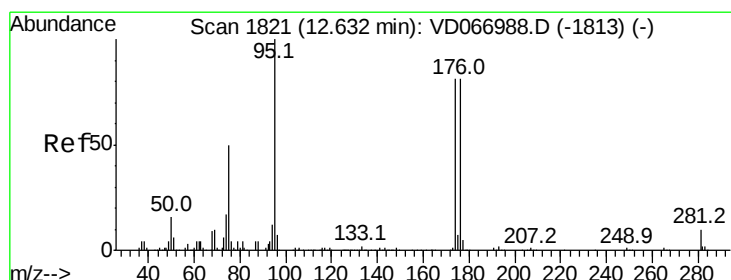
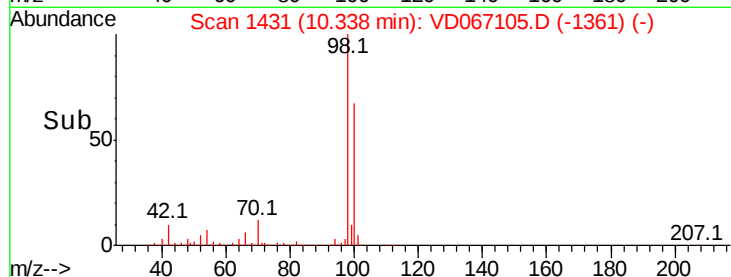
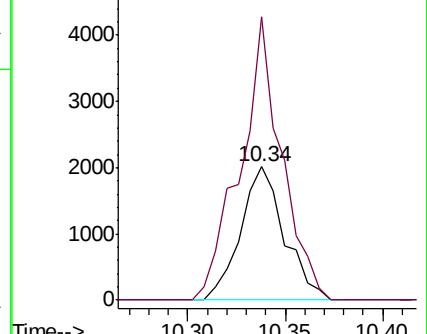
43 100

58 200.5 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.324 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

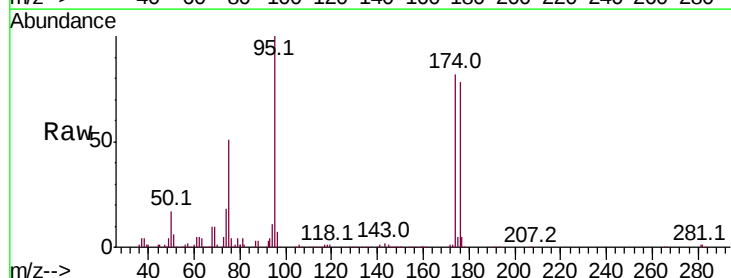
Tgt Ion: 95 Resp: 276594

Ion Ratio Lower Upper

95 100

174 85.7 0.0 167.6

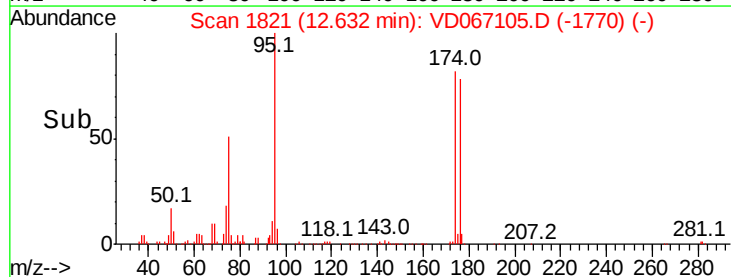
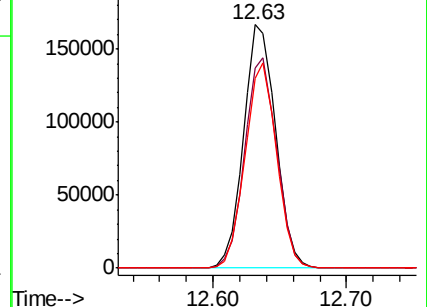
176 82.5 0.0 162.4

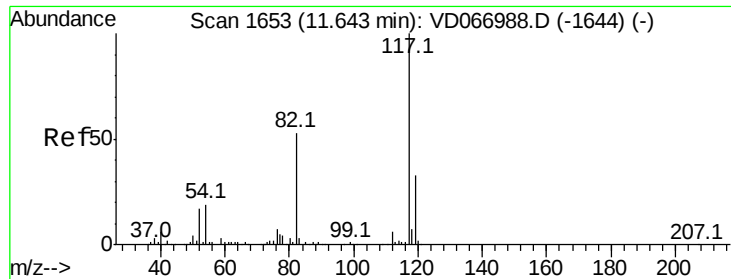


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

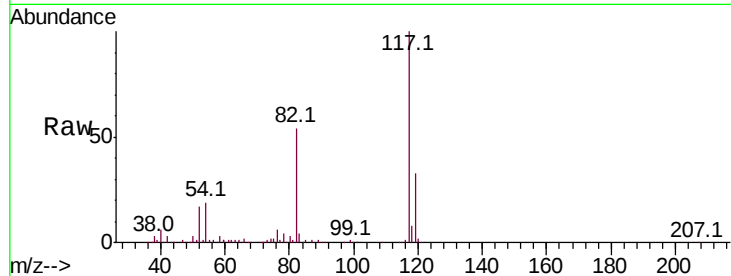




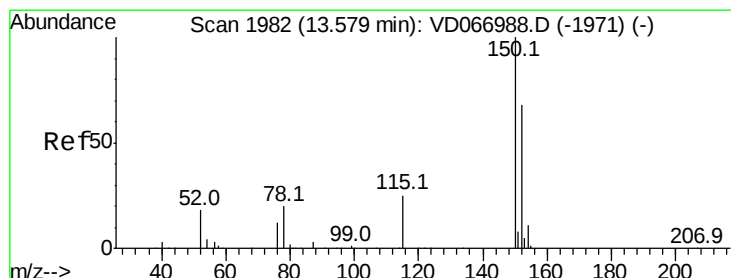
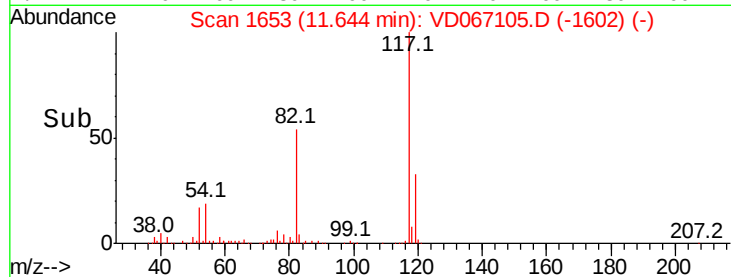
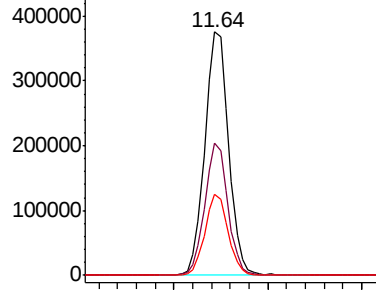
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067105.D
Acq: 06 Oct 2020 14:00

Instrument :
MSVOA_D
ClientSampleId :
GIS-3-(6)

Tot Ion:117 Resp: 659068
Ion Ratio Lower Upper
117 100
82 54.2 42.6 63.8
119 33.0 26.3 39.5

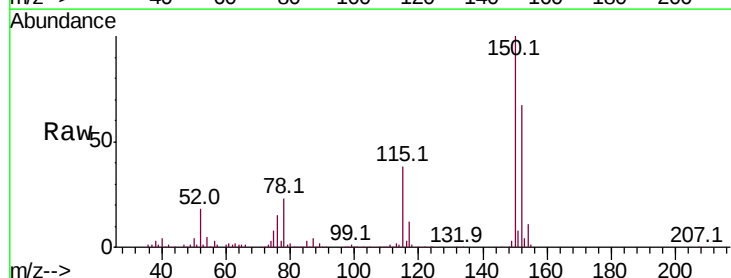


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

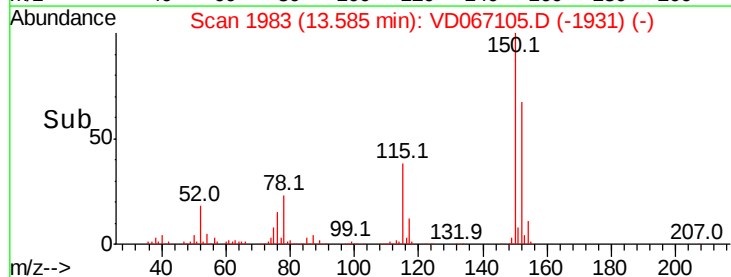
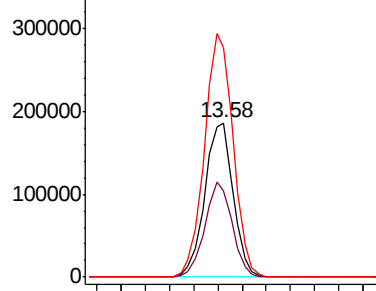


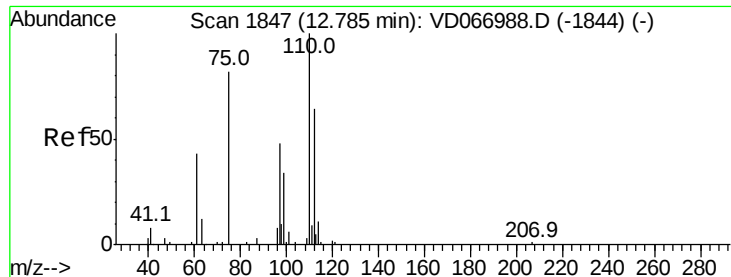
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067105.D
Acq: 06 Oct 2020 14:00

Tgt Ion:152 Resp: 305490
Ion Ratio Lower Upper
152 100
115 59.2 29.6 88.8
150 158.9 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: 53.015 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

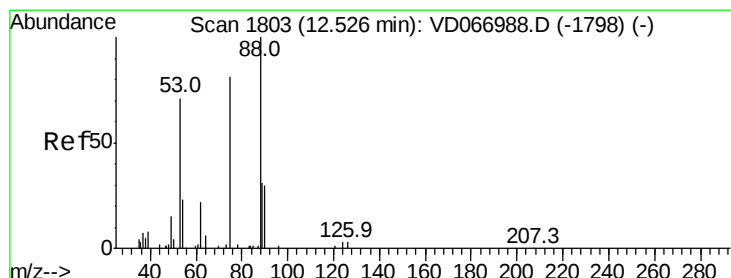
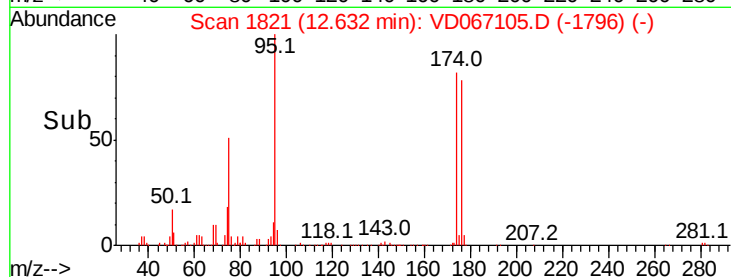
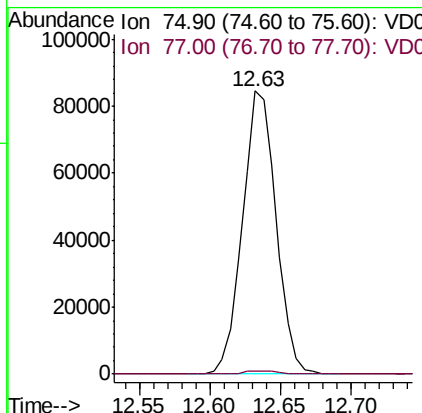
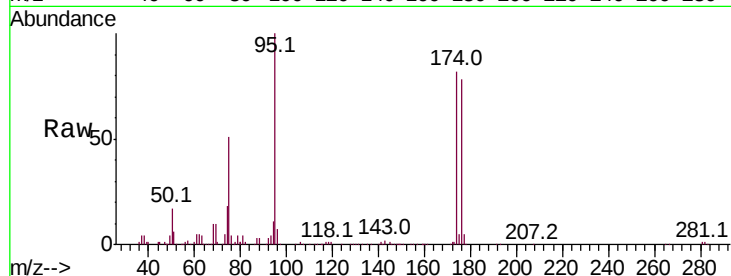
GIS-3-(6)

Tot Ion: 75 Resp: 141070

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.174 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067105.D

Acq: 06 Oct 2020 14:00

Tgt Ion: 75 Resp: 141070

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

