

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067104.D
 Acq On : 06 Oct 2020 13:33
 Operator : VA/SY
 Sample : L4272-15
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-2-(6)

Quant Time: Oct 07 01:10:40 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

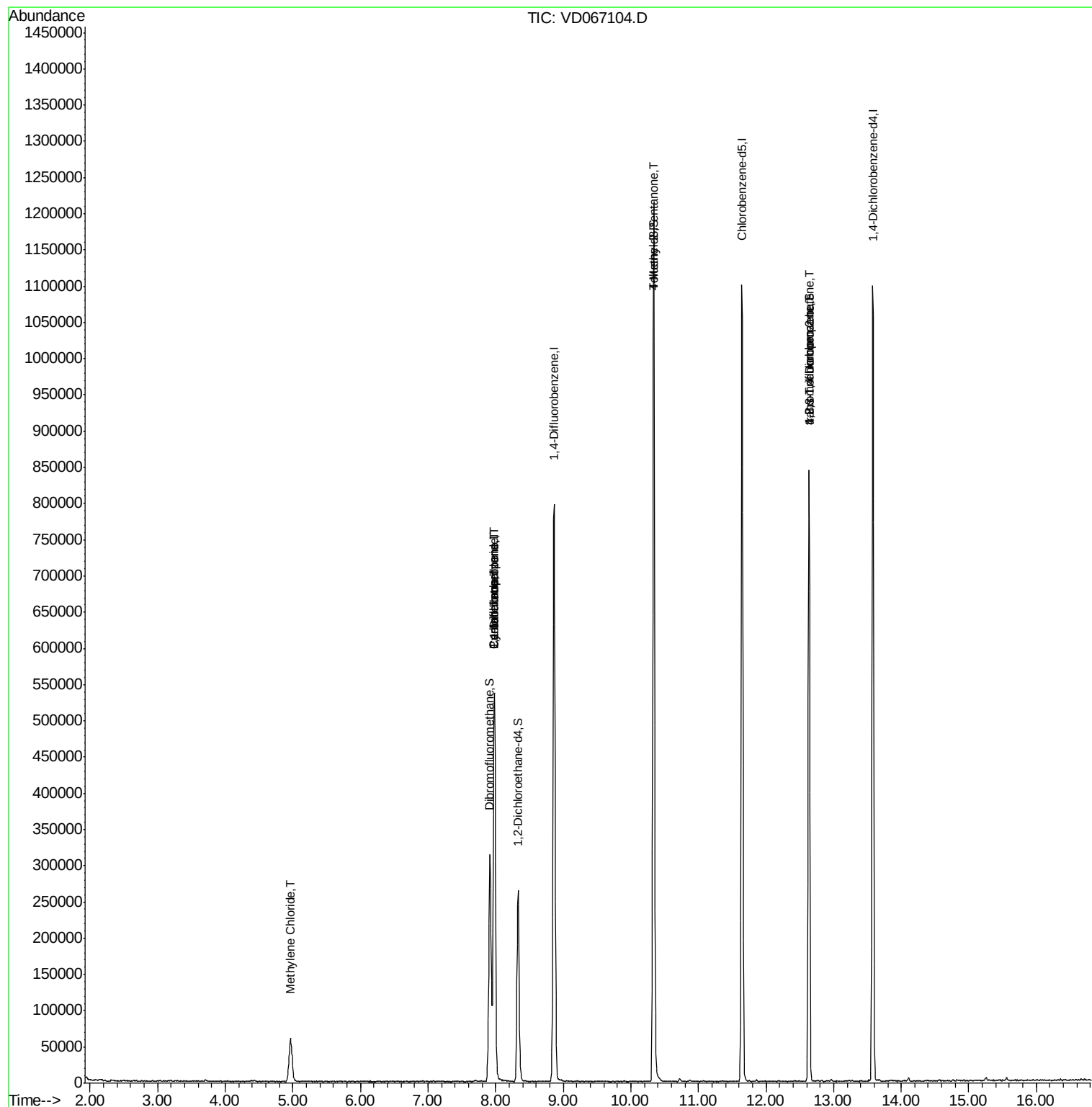
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	726227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	668596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	213634	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	7.92	113	235147	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	10.34	98	838765	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.64	95	274204	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	395	Below Cal	#	40
5) Bromomethane	2.77	94	285	Below Cal	#	52
20) Methylene Chloride	4.96	84	48923	4.649	ug/l	94
26) 2,2-Dichloropropane	7.20	77	57	Below Cal	#	53
31) Cyclohexane	7.98	56	8641	1.433	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	30946	4.572	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40855	5.578	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3516	1.634	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	138358	52.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138358	129.912	ug/l #	12

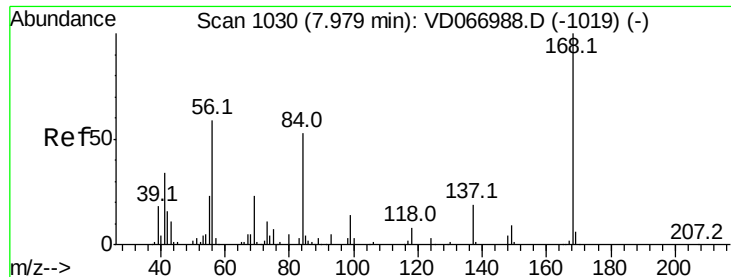
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
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ClientSampleId :
GIS-2-(6)

Quant Time: Oct 07 01:10:40 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: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampled :

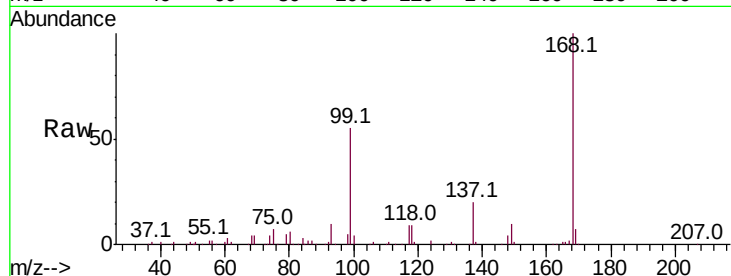
GIS-2-(6)

Tot Ion:168 Resp: 416883

Ion Ratio Lower Upper

168 100

99 55.2 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

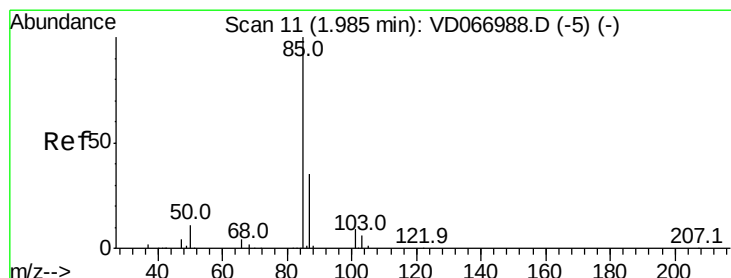
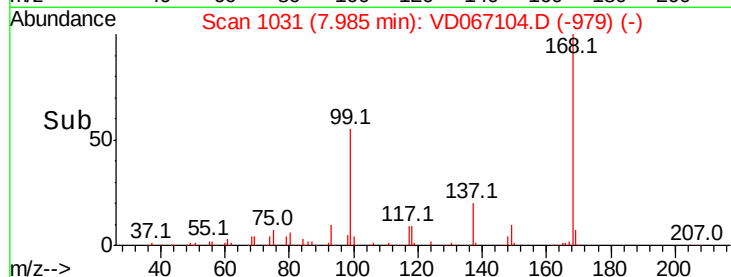
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067104.D

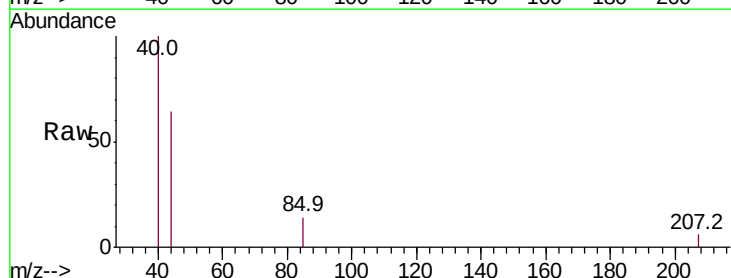
Acq: 06 Oct 2020 13:33

Tgt Ion: 85 Resp: 395

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

2.00

500

400

300

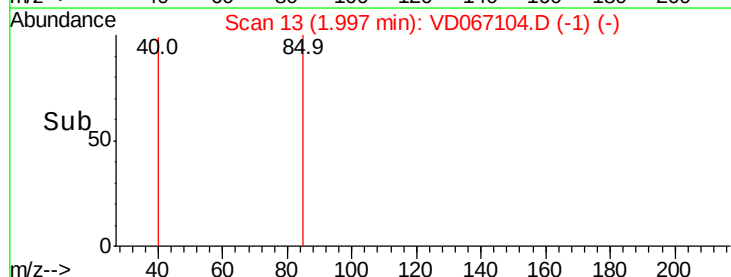
200

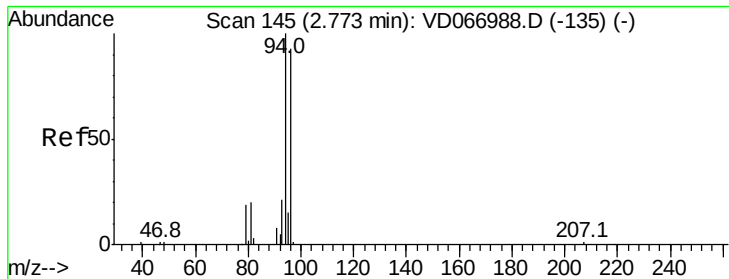
100

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

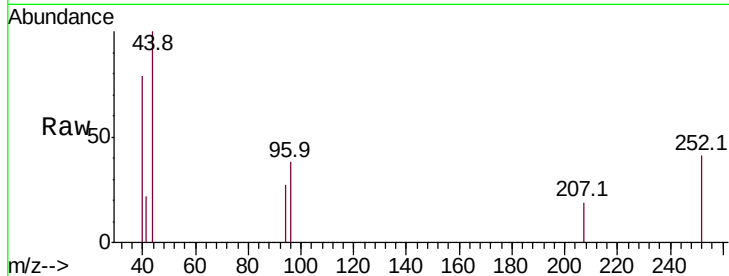
GIS-2-(6)

Tot Ion: 94 Resp: 285

Ion Ratio Lower Upper

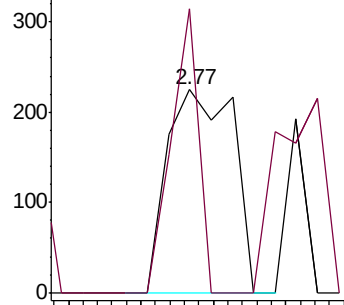
94 100

96 139.6 74.6 112.0#

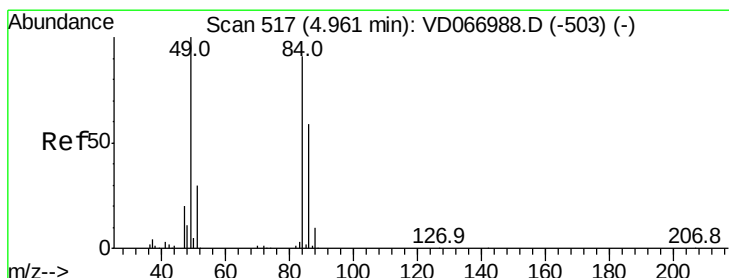
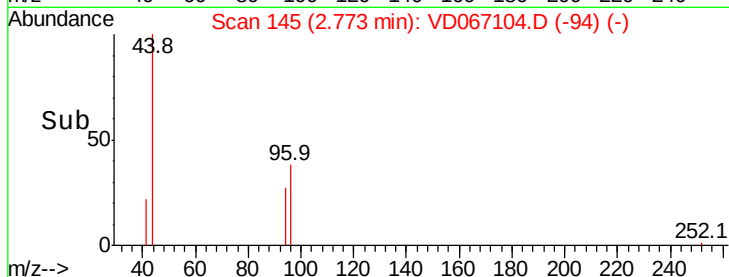


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#20

Methylene Chloride

Concen: 4.649 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Tgt Ion: 84 Resp: 48923

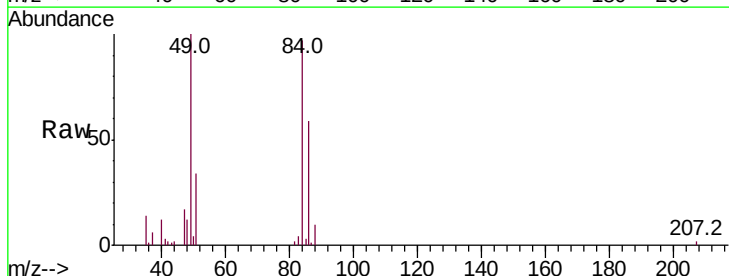
Ion Ratio Lower Upper

84 100

49 103.1 88.2 132.2

51 35.5 26.6 39.8

86 61.0 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VDC

25000 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

20000

15000

10000

5000

0

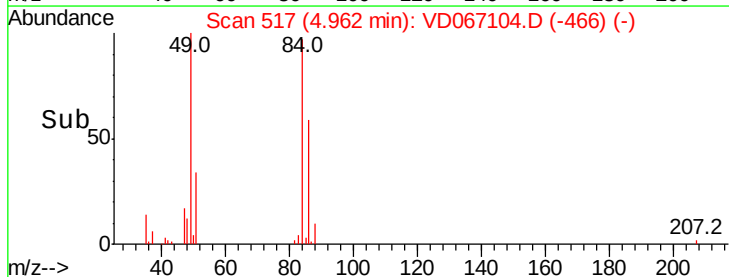
4.96

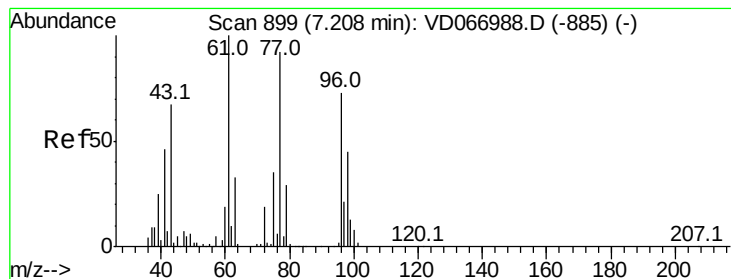
4.90

5.00

5.10

Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

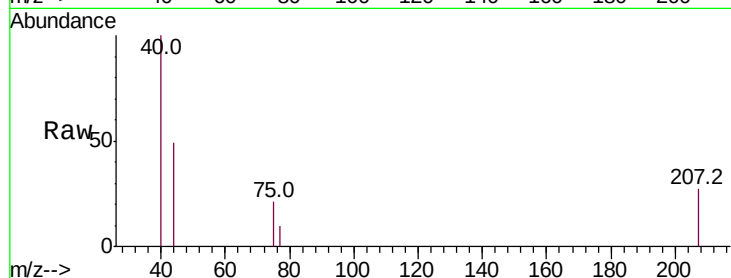
GIS-2-(6)

Tot Ion: 77 Resp: 57

Ion Ratio Lower Upper

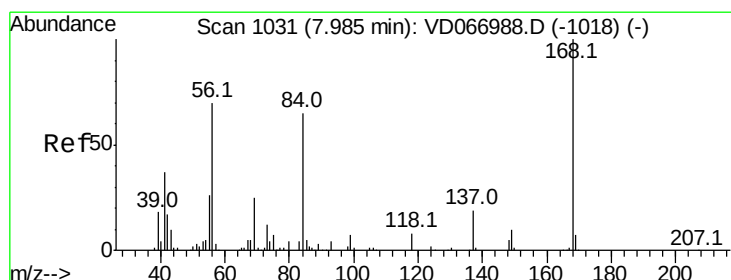
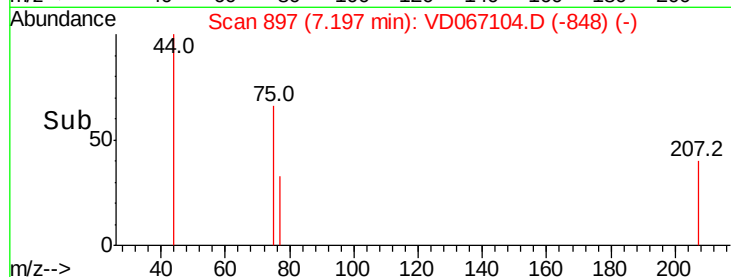
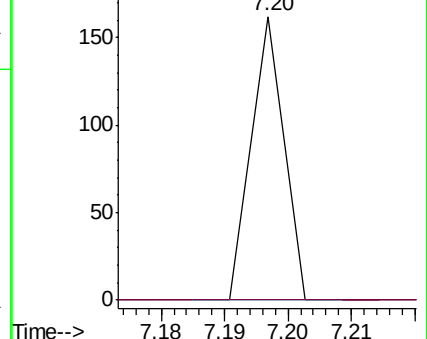
77 100

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



#31

Cyclohexane

Concen: 1.433 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

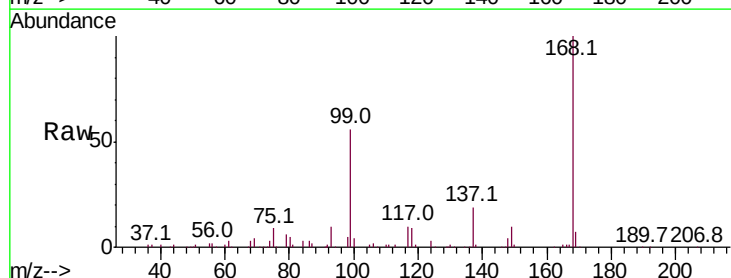
Tgt Ion: 56 Resp: 8641

Ion Ratio Lower Upper

56 100

69 158.8 29.0 43.6#

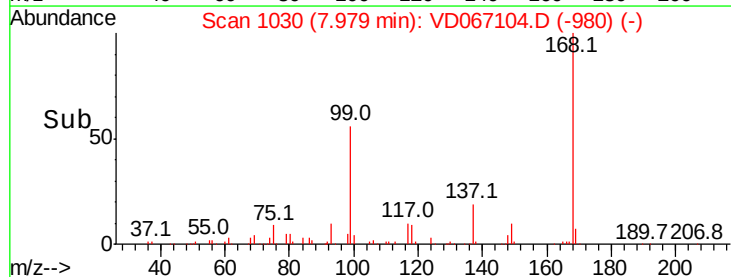
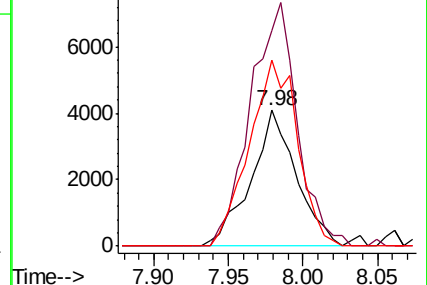
84 137.0 74.2 111.2#

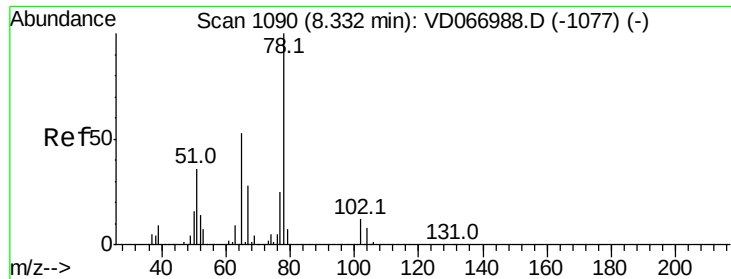


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

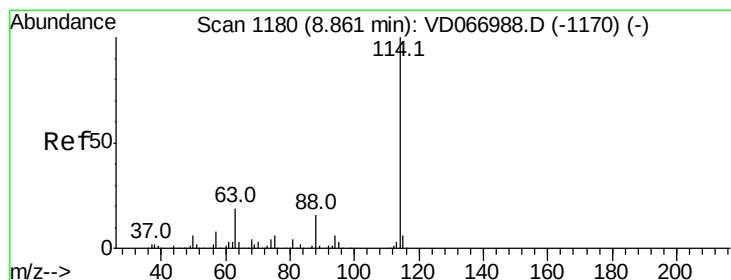
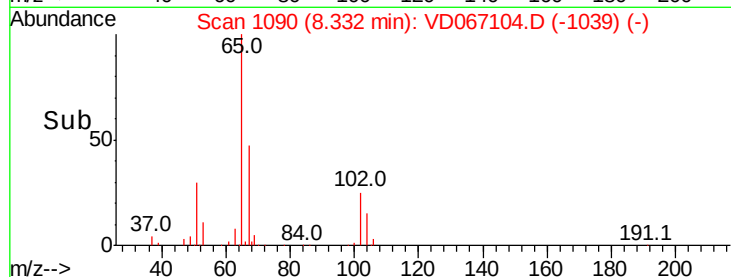
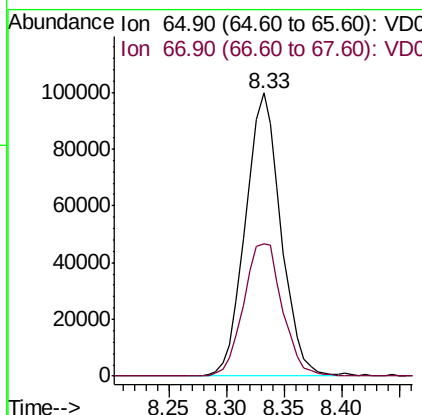
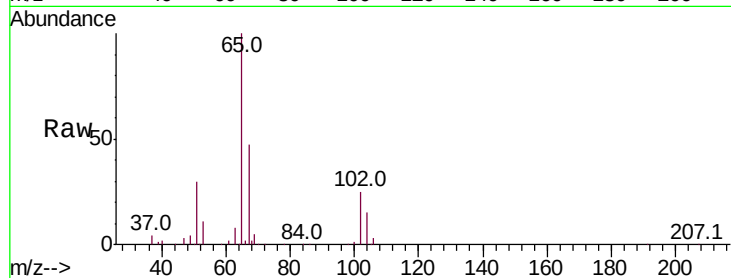




#33
 1,2-Dichloroethane-d4
 Concen: 53.204 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067104.D
 Acq: 06 Oct 2020 13:33

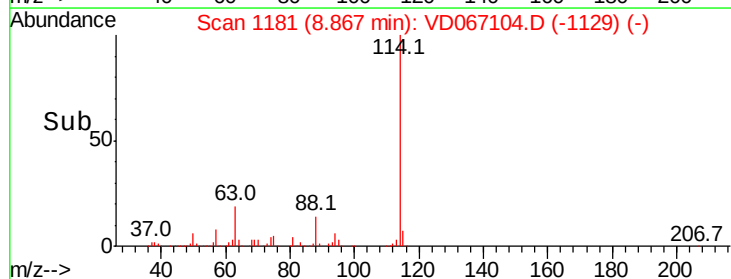
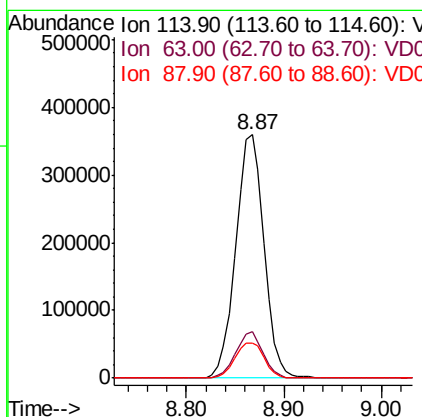
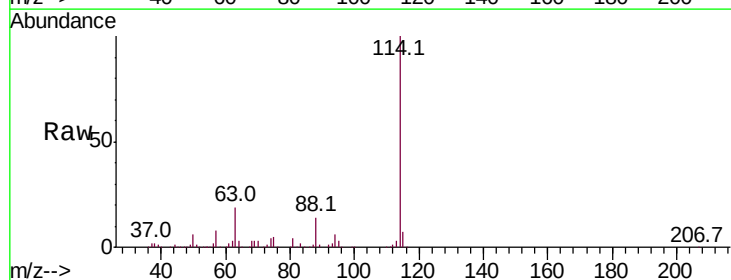
Instrument :
 MSVOA_D
 ClientSampled :
 GIS-2-(6)

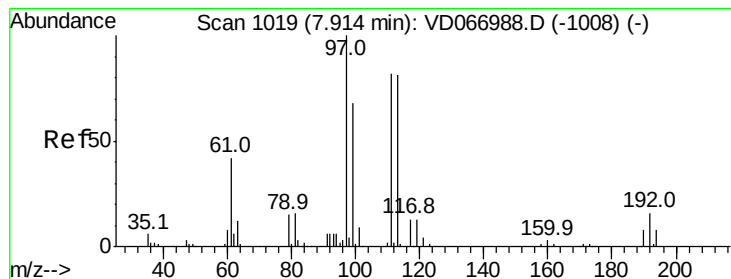
Tot Ion: 65 Resp: 213634
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067104.D
 Acq: 06 Oct 2020 13:33

Tgt Ion: 114 Resp: 726227
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 14.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.458 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-(6)

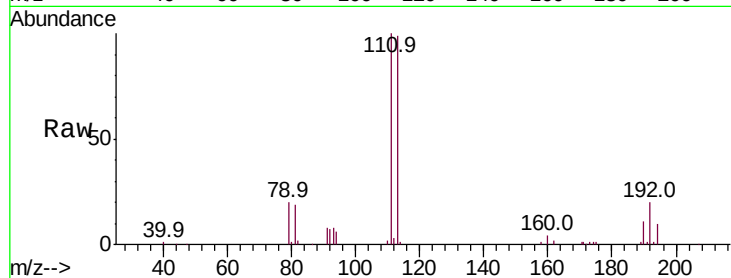
Tot Ion:113 Resp: 235147

Ion	Ratio	Lower	Upper
113	100		
111	100.3	83.0	124.4
192	19.7	15.5	23.3

113 100

111 100.3 83.0 124.4

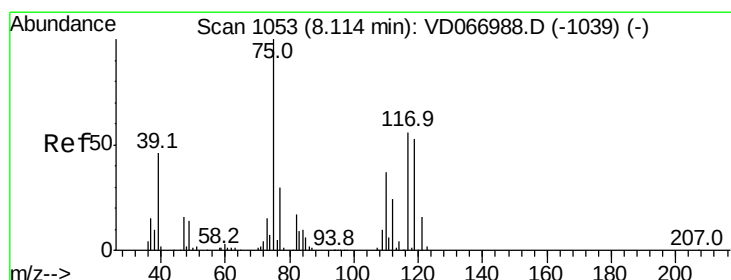
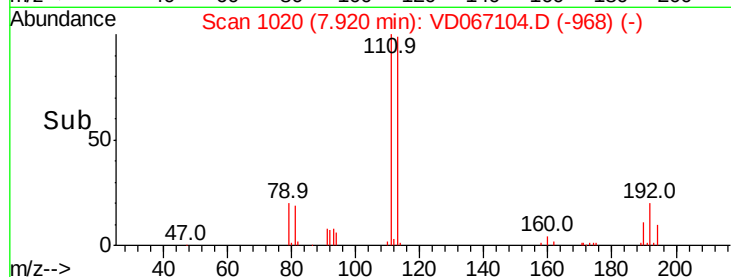
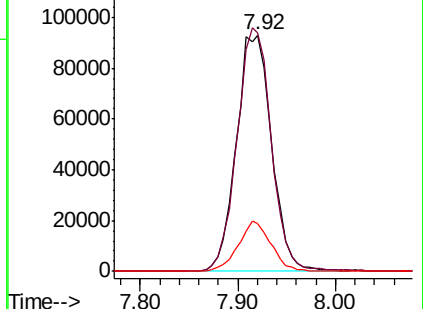
192 19.7 15.5 23.3



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: 4.572 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

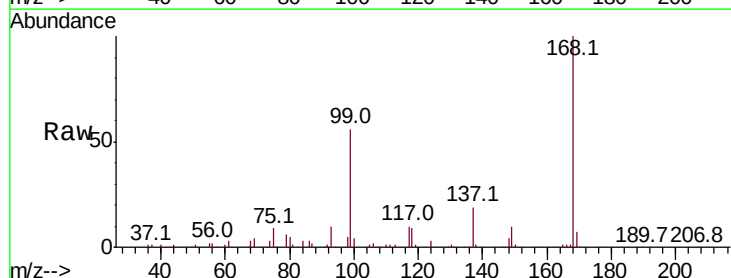
Tgt Ion: 75 Resp: 30946

Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.4	55.0#
77	0.0	24.8	37.2#

75 100

110 10.2 18.4 55.0#

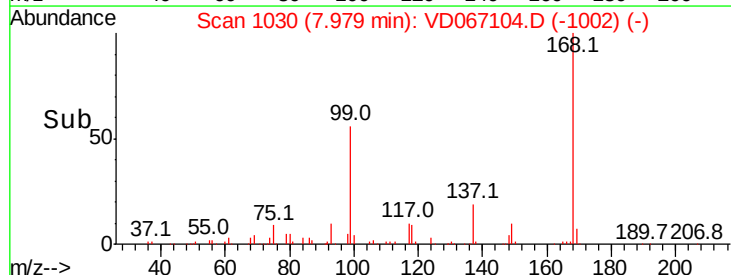
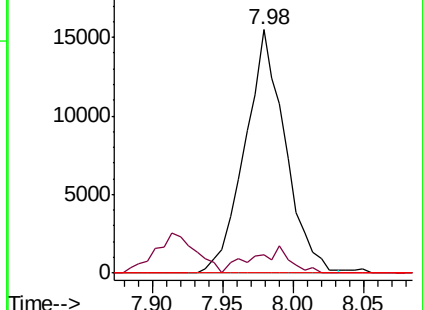
77 0.0 24.8 37.2#

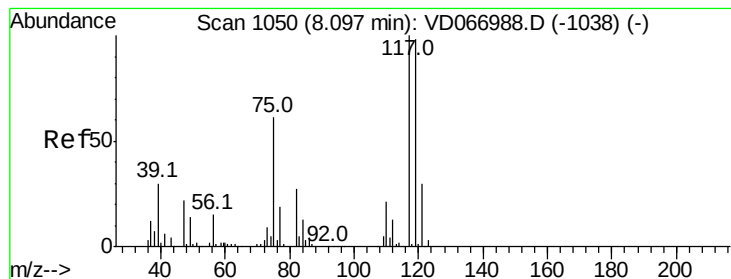


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

GIS-2-(6)

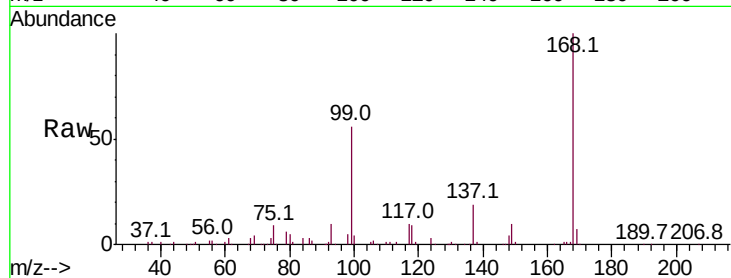
Tot Ion:117 Resp: 40855

Ion Ratio Lower Upper

117 100

119 6.6 78.7 118.1#

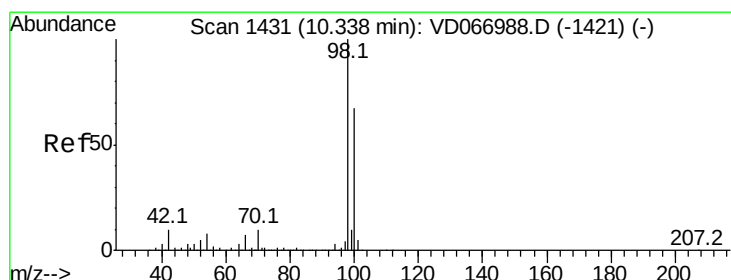
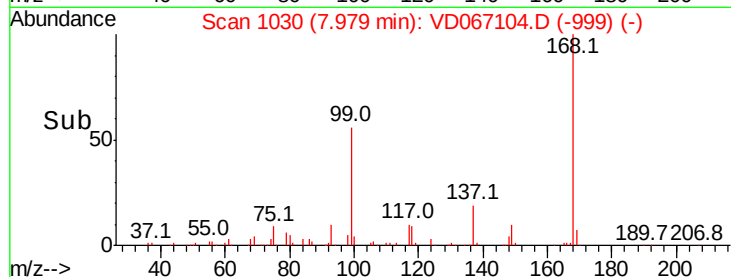
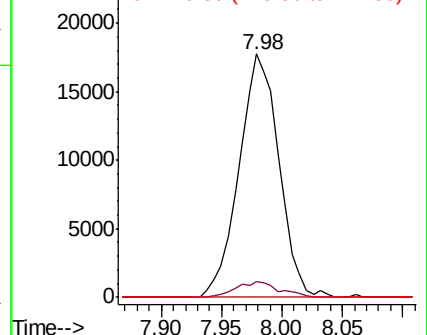
121 0.0 24.2 36.2#



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: 48.414 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067104.D

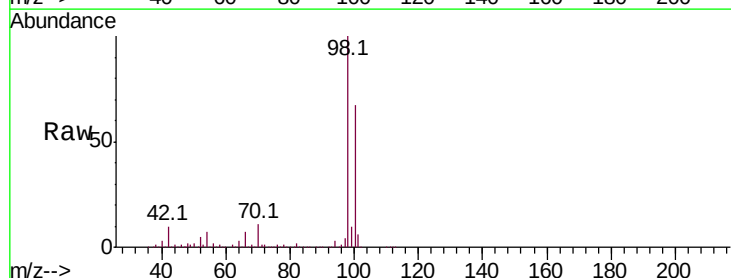
Acq: 06 Oct 2020 13:33

Tgt Ion: 98 Resp: 838765

Ion Ratio Lower Upper

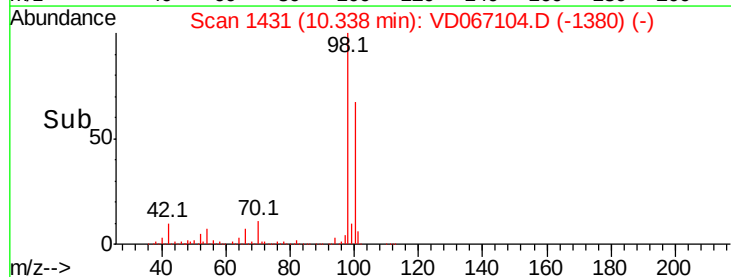
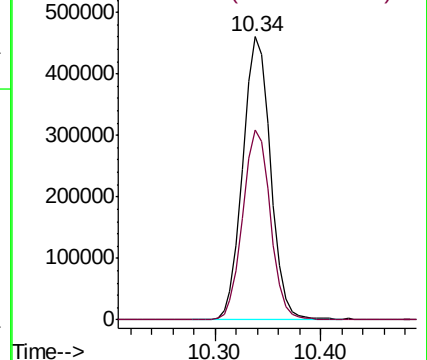
98 100

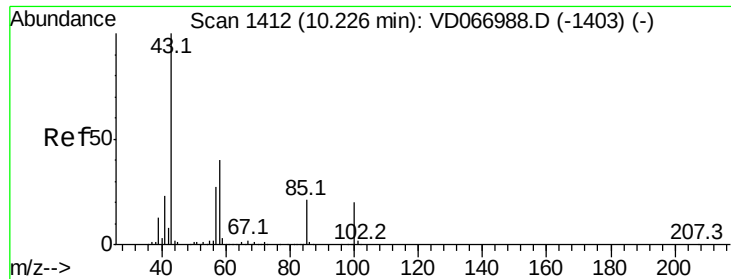
100 66.9 52.8 79.2



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: 1.634 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

Instrument :

MSVOA_D

ClientSampleId :

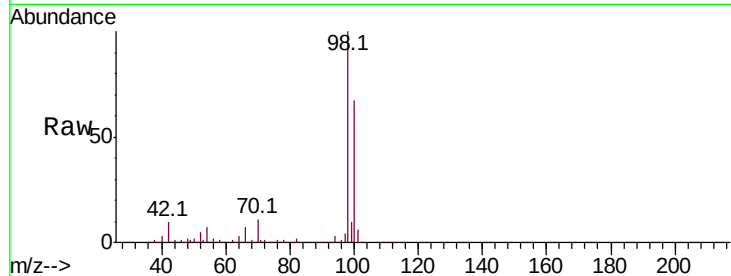
GIS-2-(6)

Tot Ion: 43 Resp: 3516

Ion Ratio Lower Upper

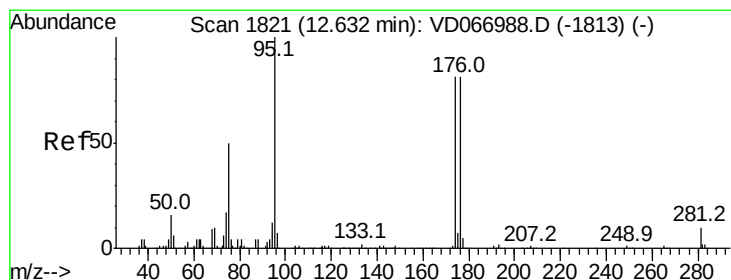
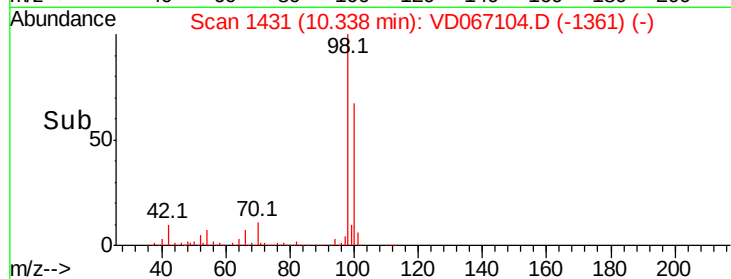
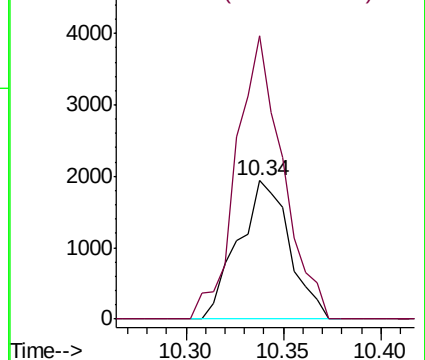
43 100

58 187.0 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: 46.623 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067104.D

Acq: 06 Oct 2020 13:33

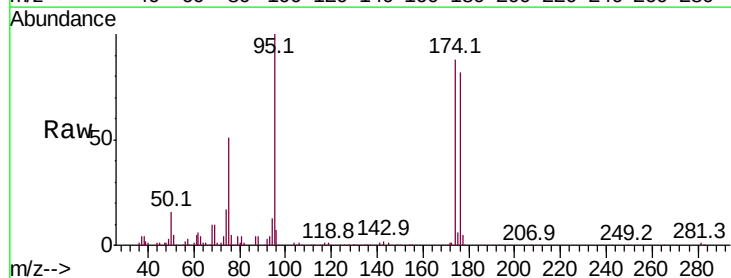
Tgt Ion: 95 Resp: 274204

Ion Ratio Lower Upper

95 100

174 86.2 0.0 167.6

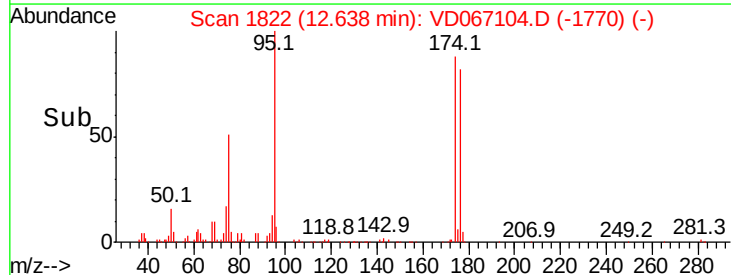
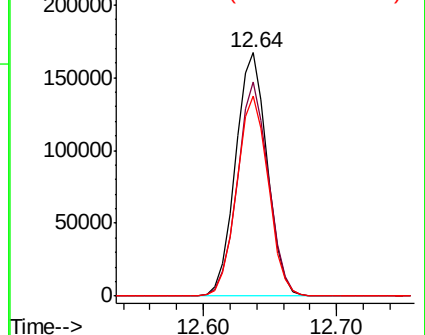
176 82.2 0.0 162.4

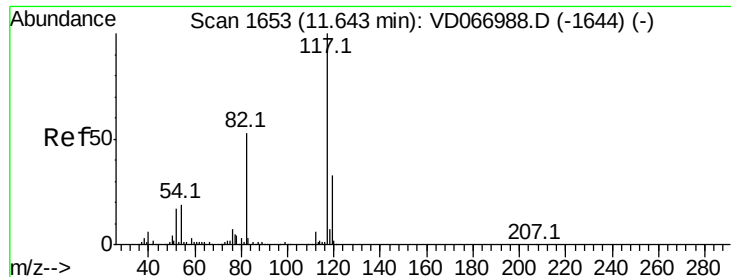


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

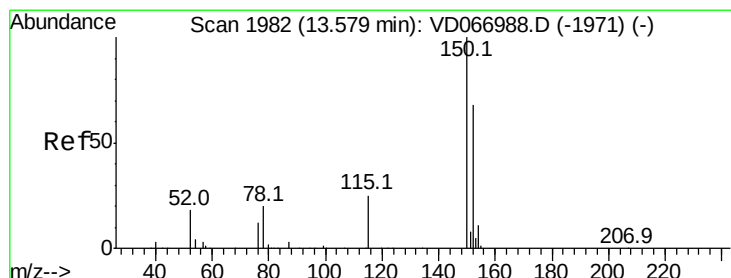
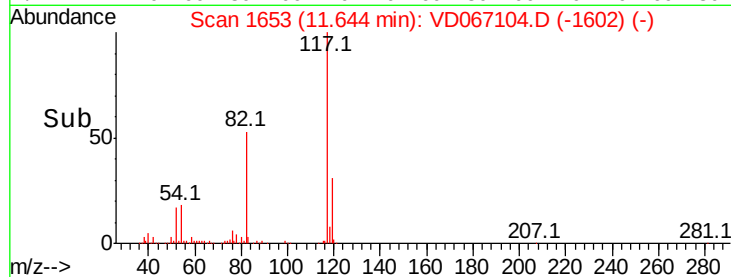
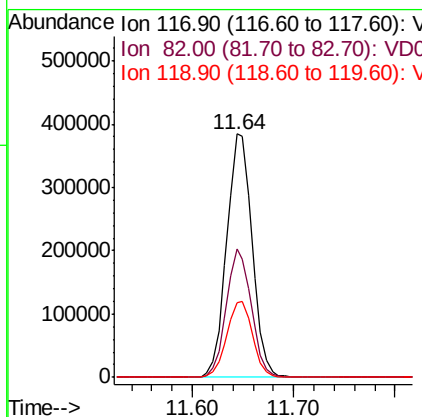
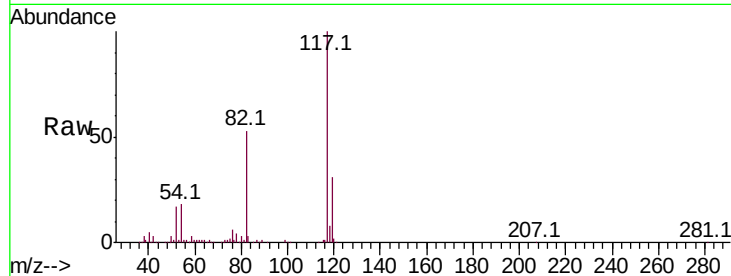




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067104.D
Acq: 06 Oct 2020 13:33

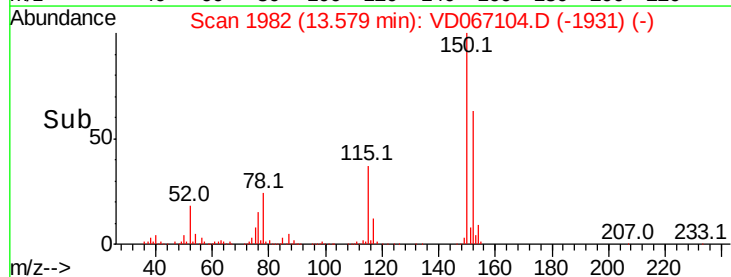
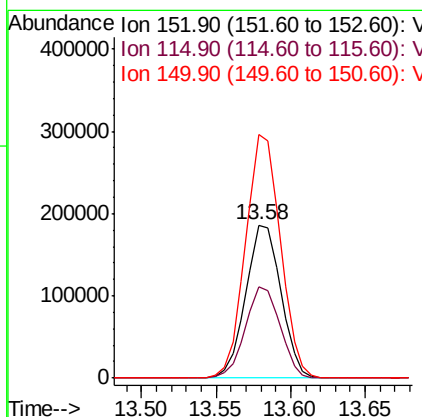
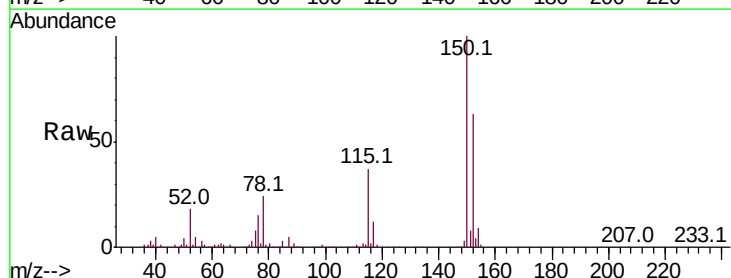
Instrument :
MSVOA_D
ClientSampleId :
GIS-2-(6)

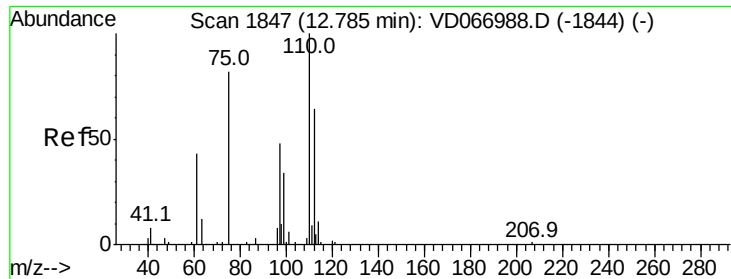
Tot Ion:117 Resp: 668596
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067104.D
Acq: 06 Oct 2020 13:33

Tgt Ion:152 Resp: 304834
Ion Ratio Lower Upper
152 100
115 58.4 29.6 88.8
150 157.0 0.0 344.8

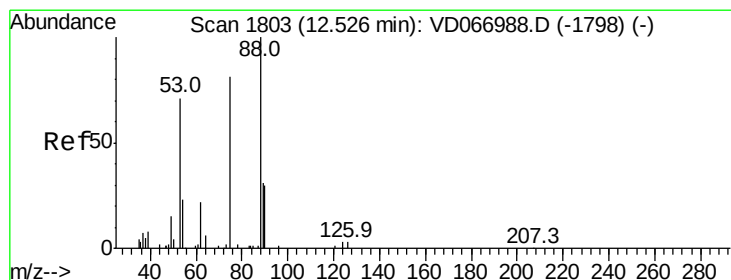
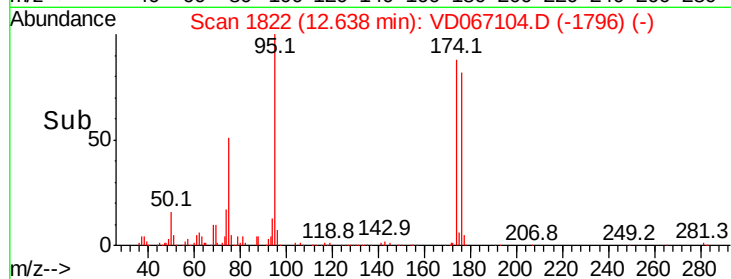
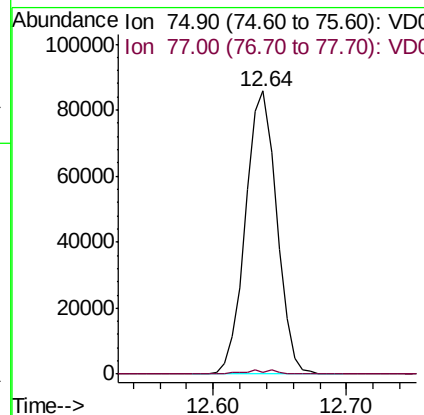
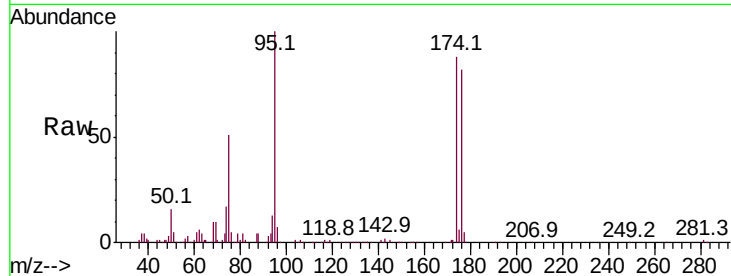




#76
 1,2,3-Trichloropropane
 Concen: 52.108 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067104.D
 Acq: 06 Oct 2020 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-2-(6)

Tot Ion: 75 Resp: 138358
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.912 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067104.D
 Acq: 06 Oct 2020 13:33

Tgt Ion: 75 Resp: 138358
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.8 110.6#
 89 0.1 38.9 58.3#

