

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067103.D
 Acq On : 06 Oct 2020 13:06
 Operator : VA/SY
 Sample : L4272-12
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-1-(6)

Quant Time: Oct 07 01:10:31 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	405877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	696173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287927	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	204869	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
35) Dibromofluoromethane	7.91	113	226747	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.34	98	813826	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.64	95	262879	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

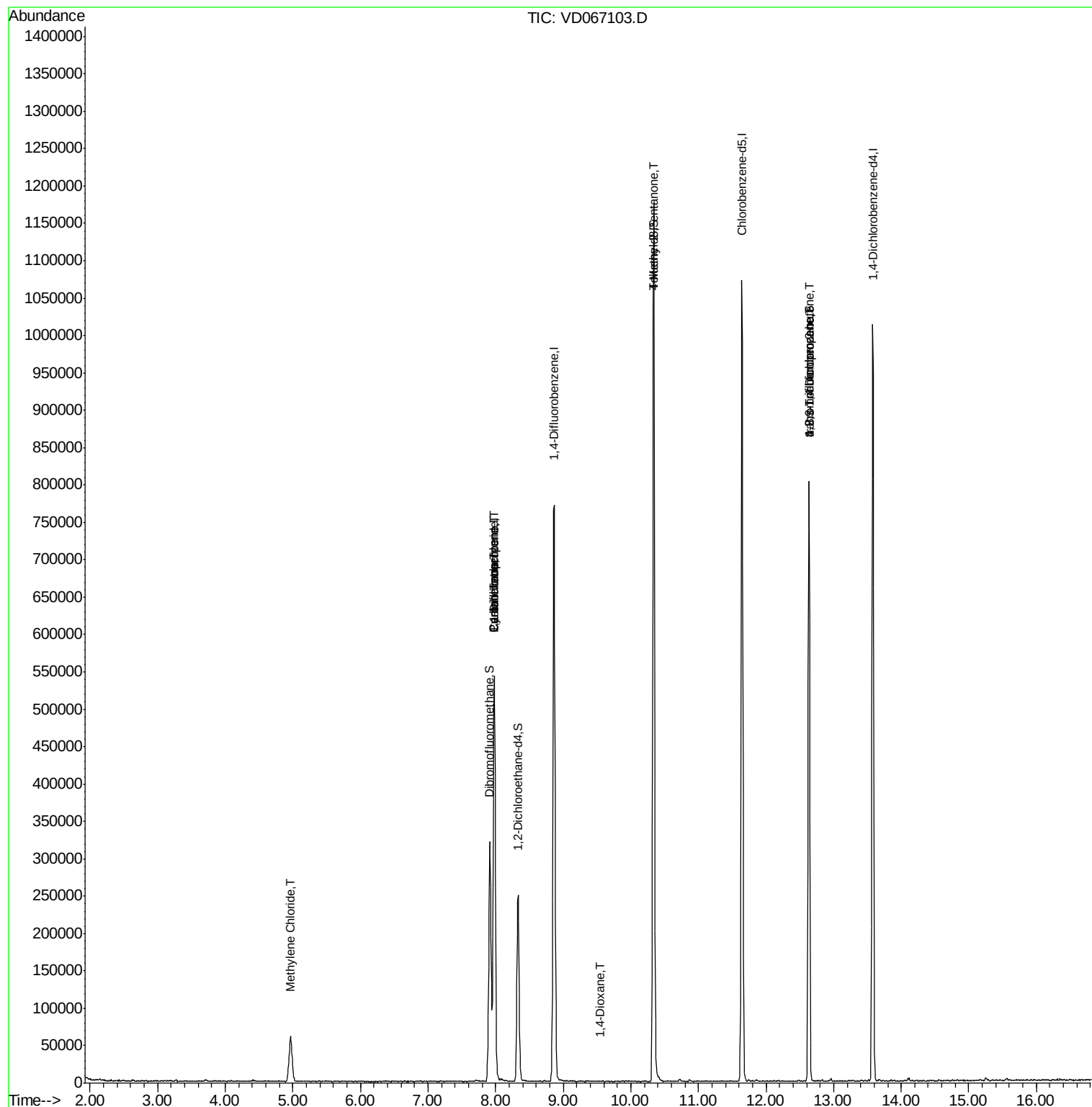
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	525	Below Cal	#	40
5) Bromomethane	2.78	94	186	Below Cal	#	3
20) Methylene Chloride	4.97	84	49363	5.128	ug/l #	86
26) 2,2-Dichloropropane	7.22	77	139	Below Cal	#	53
31) Cyclohexane	7.99	56	7906	1.347	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	30552	4.708	ug/l #	50
38) Carbon Tetrachloride	7.99	117	39052	5.562	ug/l #	16
49) 1,4-Dioxane	9.54	88	53	2.086	ug/l #	25
51) 4-Methyl-2-Pentanone	10.33	43	3048	1.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	132154	52.694	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132154	131.373	ug/l #	12

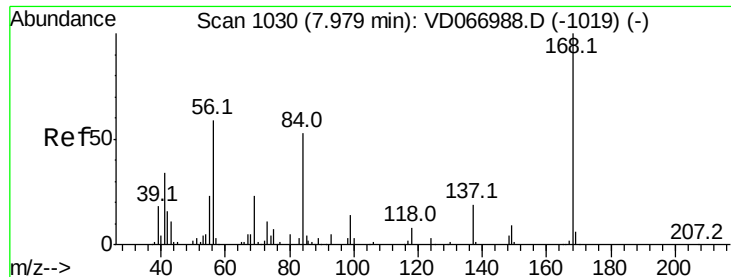
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
Data File : VD067103.D
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GIS-1-(6)

Quant Time: Oct 07 01:10:31 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: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

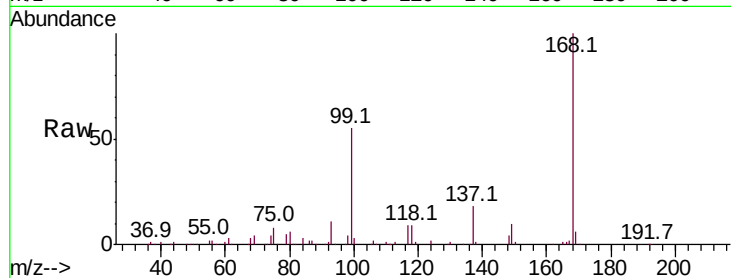
GIS-1-(6)

Tot Ion:168 Resp: 405877

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

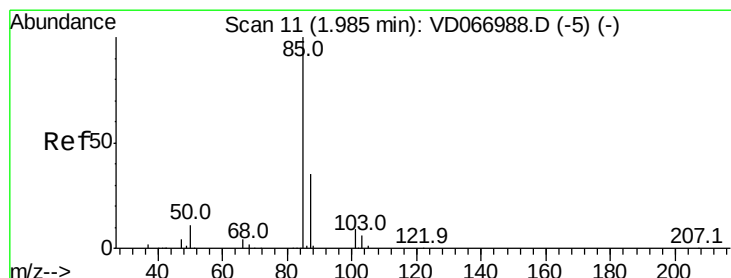
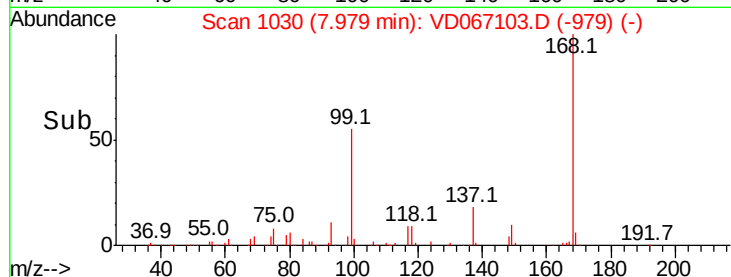
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067103.D

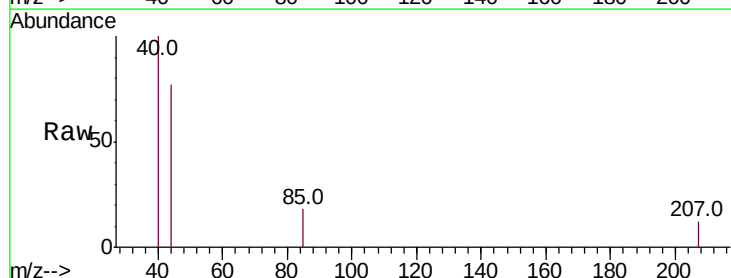
Acq: 06 Oct 2020 13:06

Tgt Ion: 85 Resp: 525

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

500

400

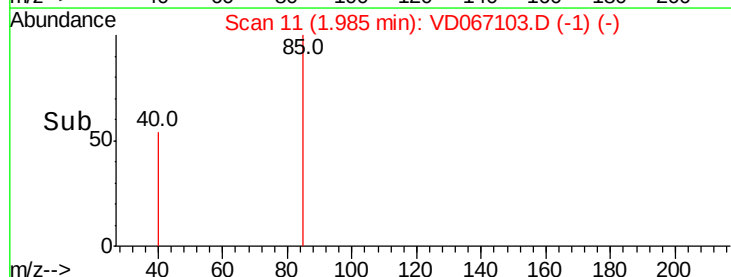
300

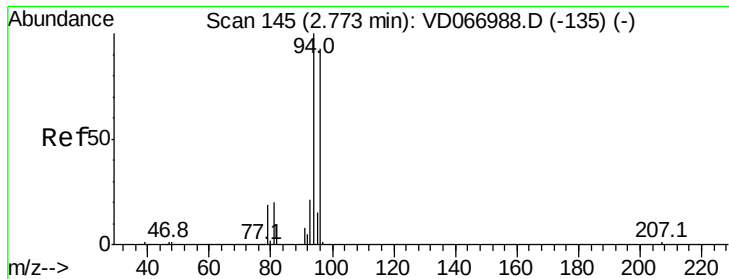
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

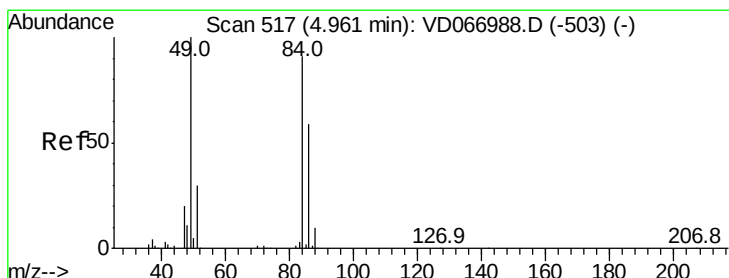
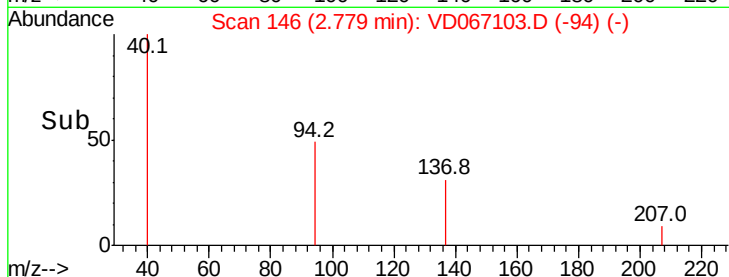
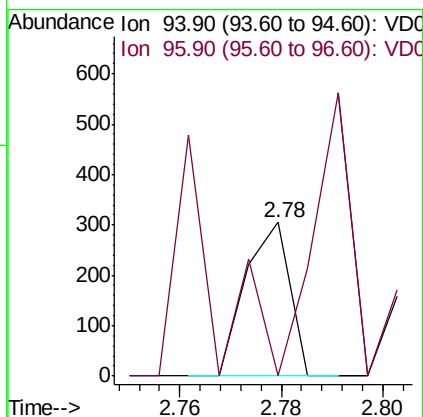
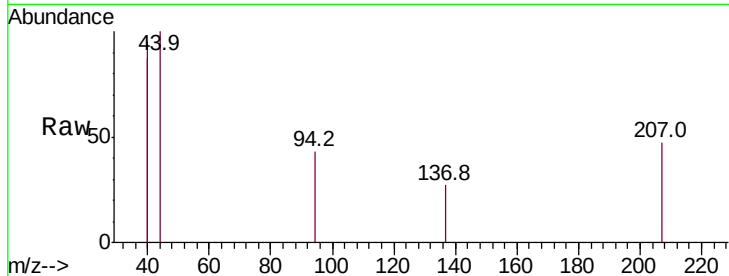
GIS-1-(6)

Tot Ion: 94 Resp: 186

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#20

Methylene Chloride

Concen: 5.128 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Tgt Ion: 84 Resp: 49363

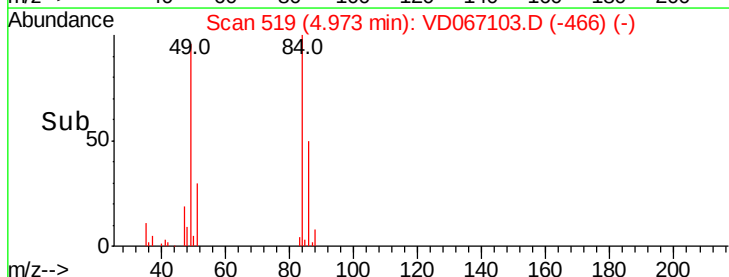
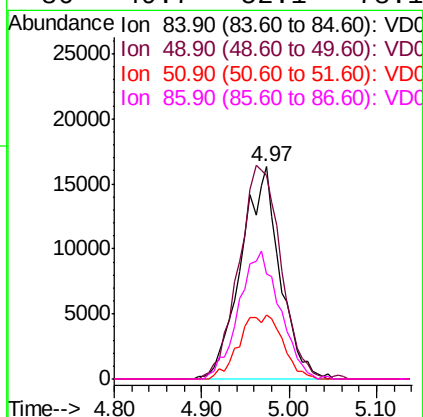
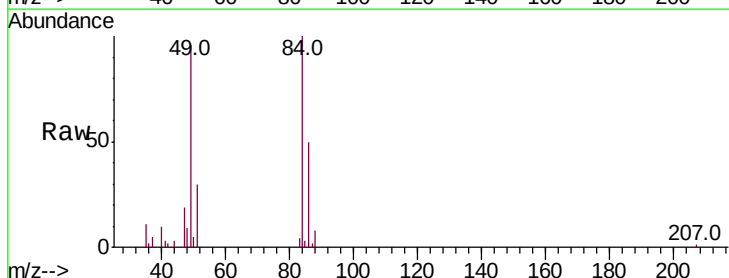
Ion Ratio Lower Upper

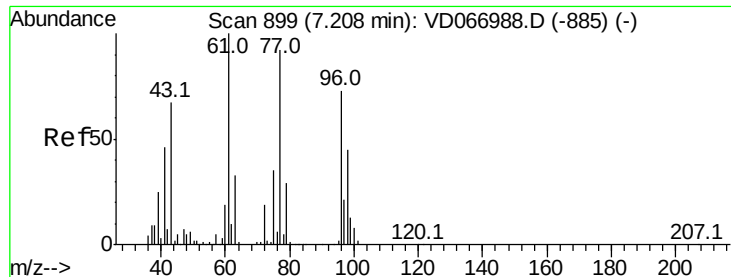
84 100

49 95.8 88.2 132.2

51 29.8 26.6 39.8

86 49.7 52.1 78.1#

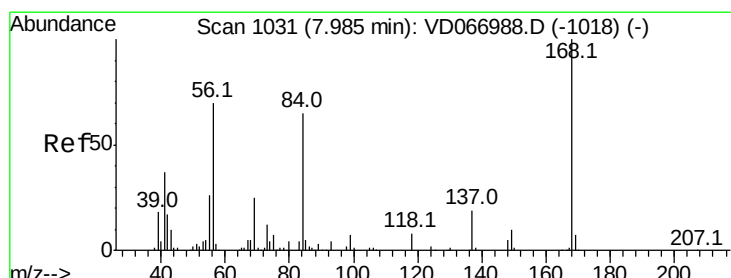
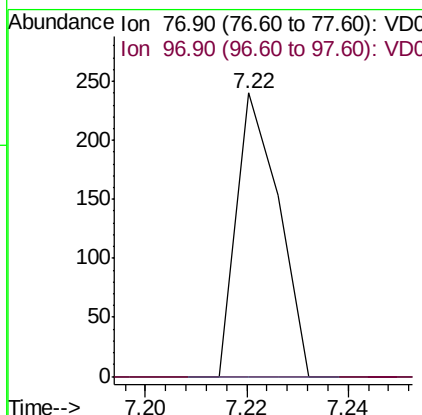
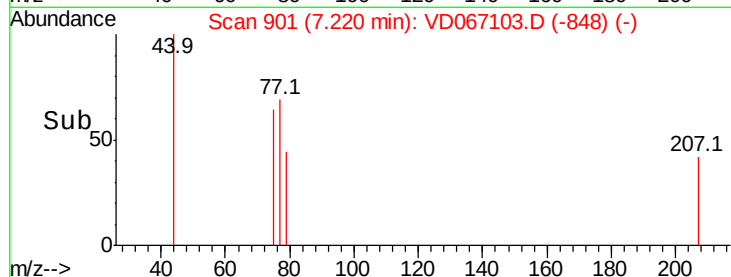
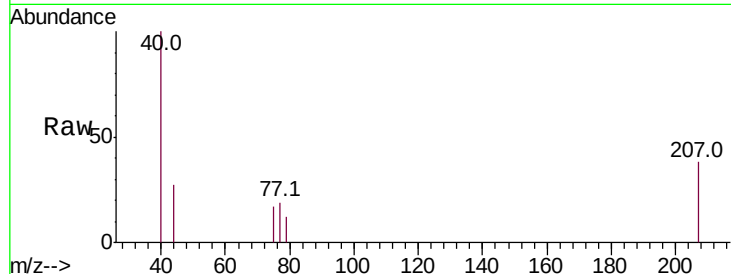




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067103.D
Acq: 06 Oct 2020 13:06

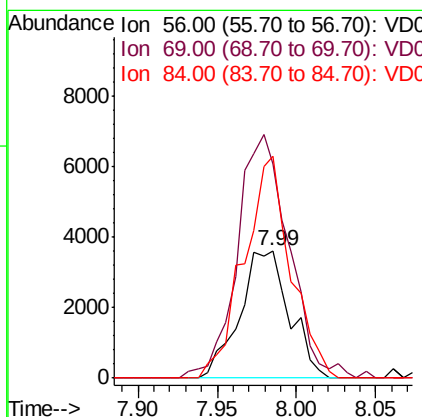
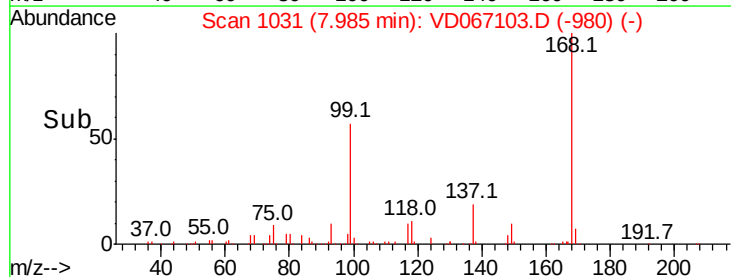
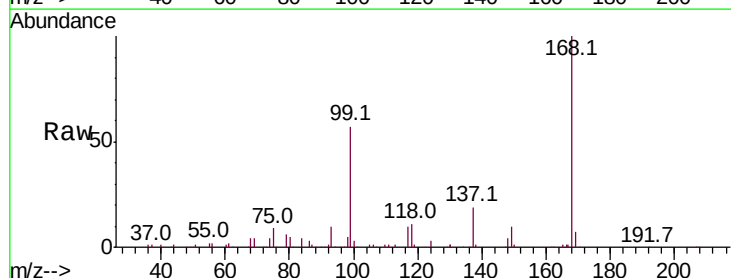
Instrument :
MSVOA_D
ClientSampled :
GIS-1-(6)

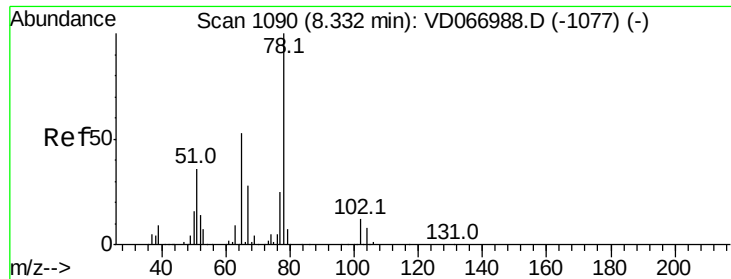
Tot Ion: 77 Resp: 139
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067103.D
Acq: 06 Oct 2020 13:06

Tgt Ion: 56 Resp: 7906
Ion Ratio Lower Upper
56 100
69 162.8 29.0 43.6#
84 174.9 74.2 111.2#

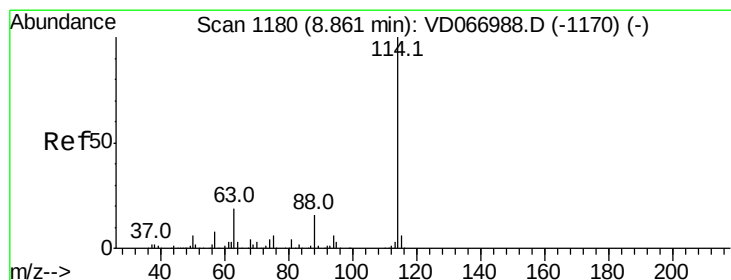
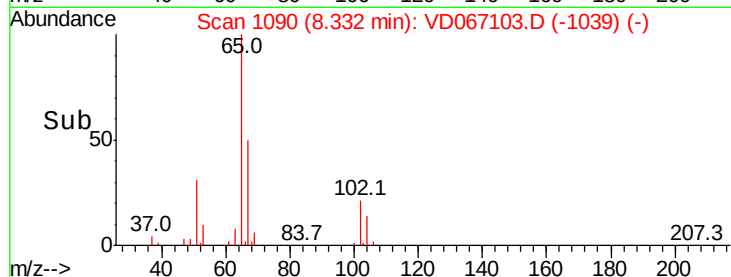
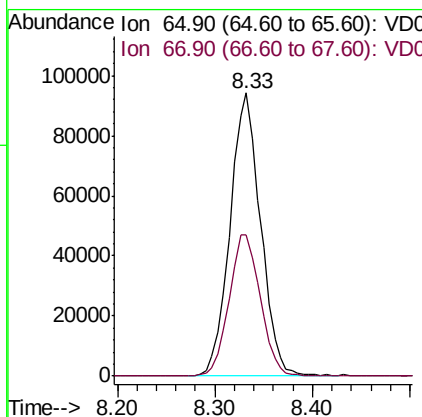
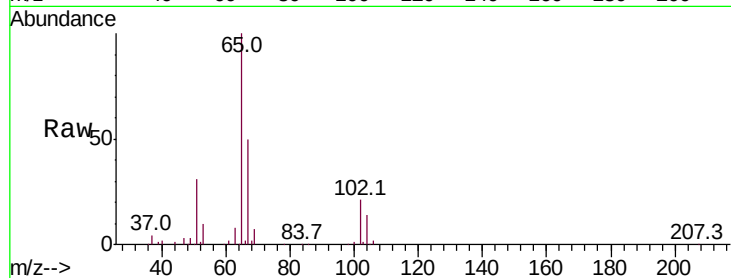




#33
 1,2-Dichloroethane-d4
 Concen: 52.404 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067103.D
 Acq: 06 Oct 2020 13:06

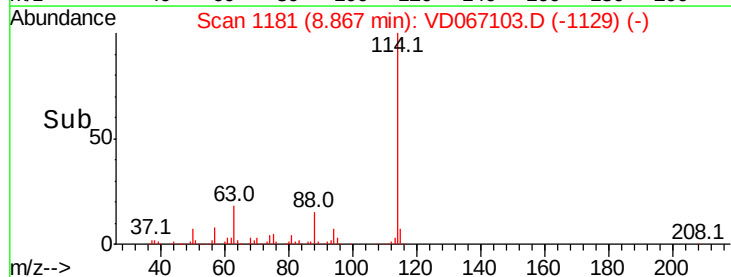
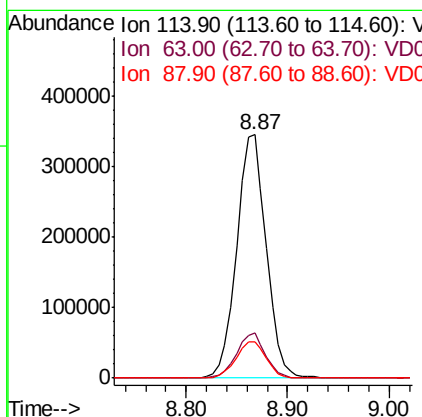
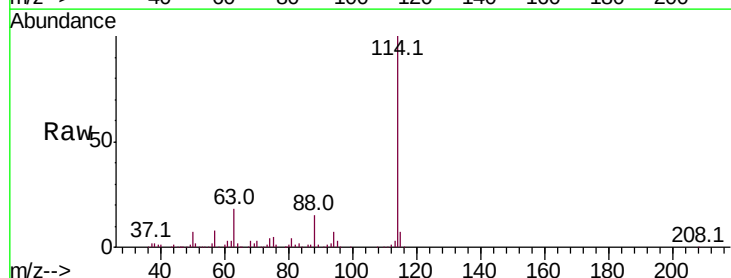
Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-1-(6)

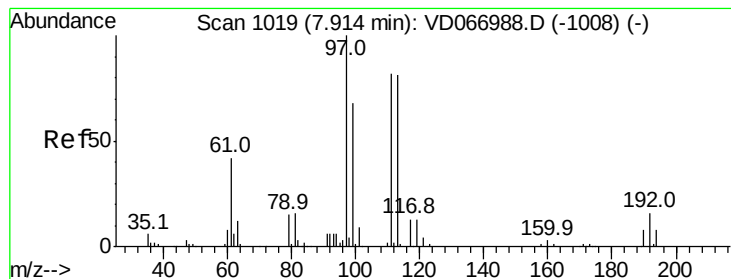
Tot Ion: 65 Resp: 204869
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067103.D
 Acq: 06 Oct 2020 13:06

Tgt Ion: 114 Resp: 696173
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.750 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

GIS-1-(6)

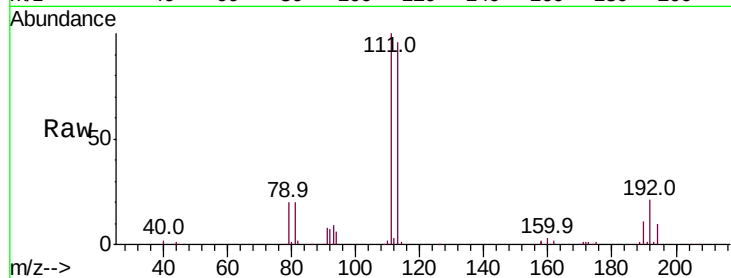
Tot Ion:113 Resp: 226747

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

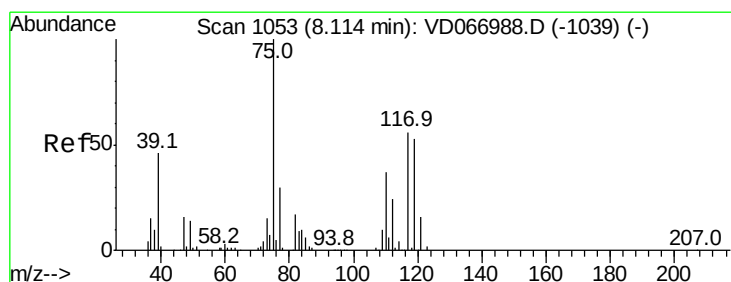
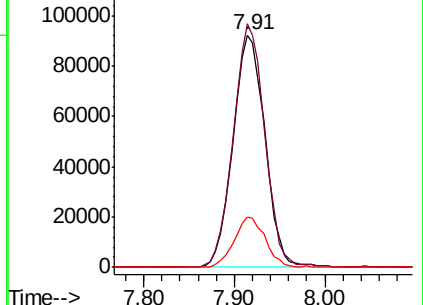
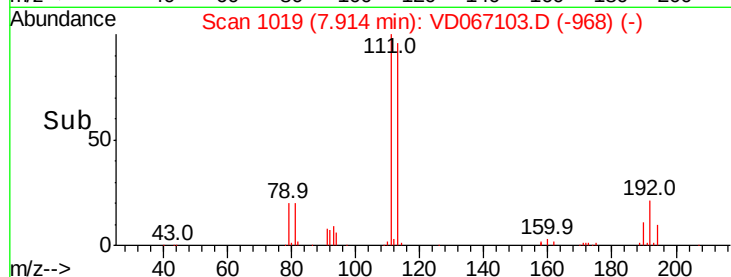
192 21.0 15.5 23.3



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: 4.708 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

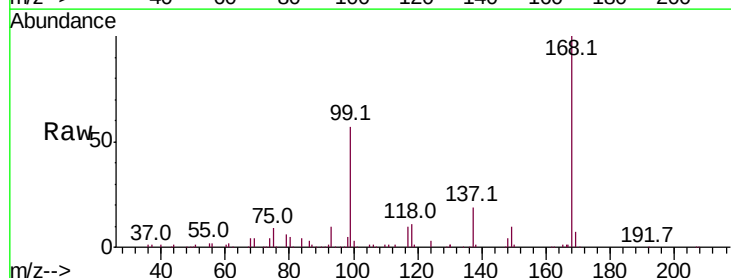
Tgt Ion: 75 Resp: 30552

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

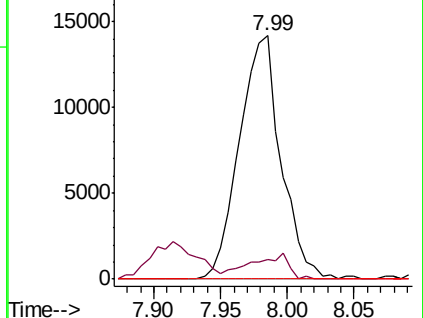
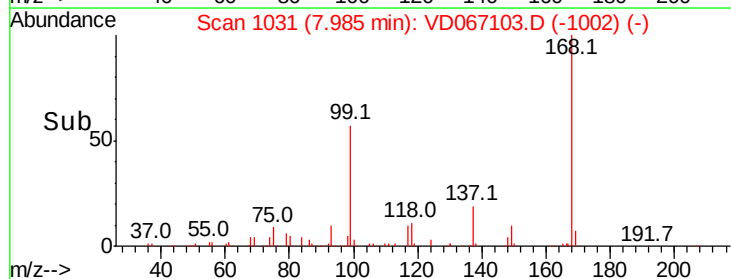
77 0.0 24.8 37.2#

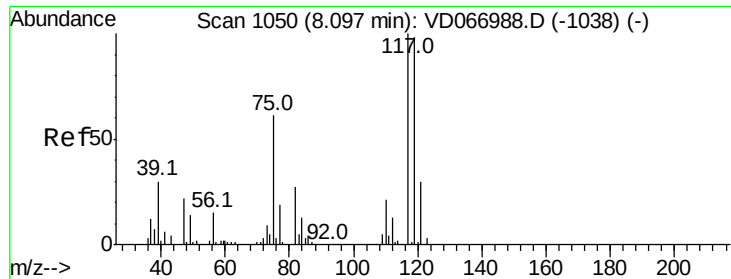


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

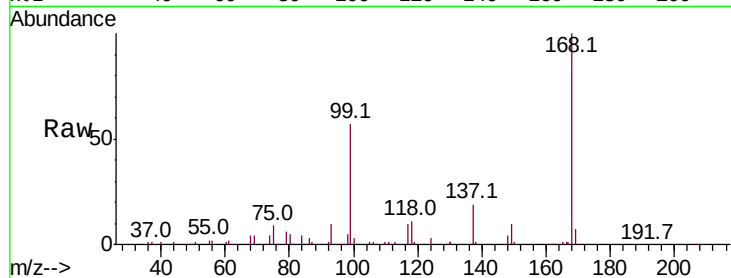




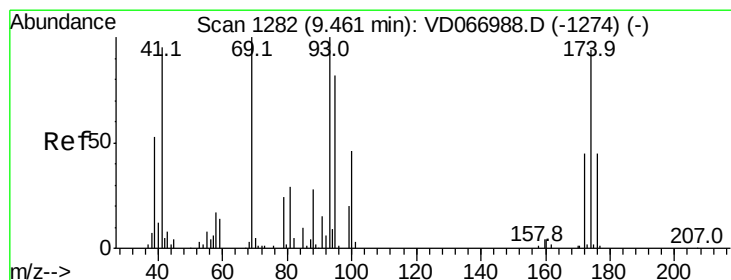
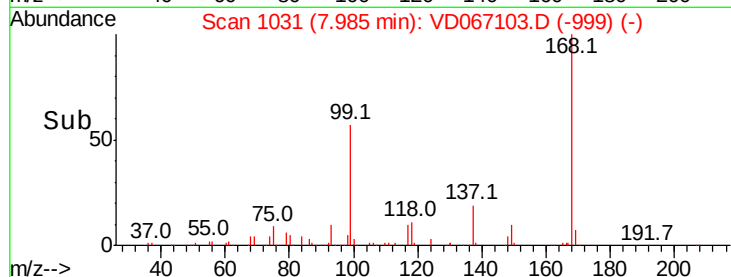
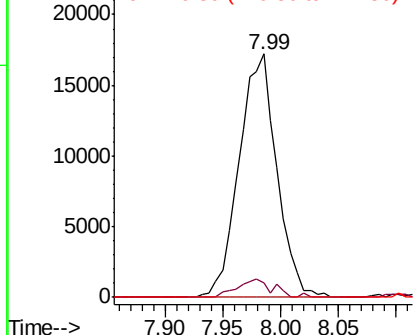
#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067103.D
Acq: 06 Oct 2020 13:06

Instrument :
MSVOA_D
ClientSampled :
GIS-1-(6)

Tot Ion:117 Resp: 39052
Ion Ratio Lower Upper
117 100
119 6.0 78.7 118.1#
121 0.0 24.2 36.2#

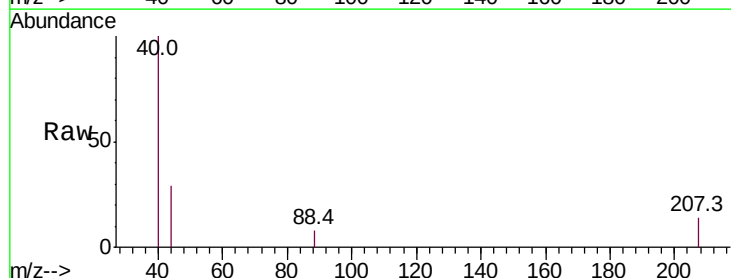


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

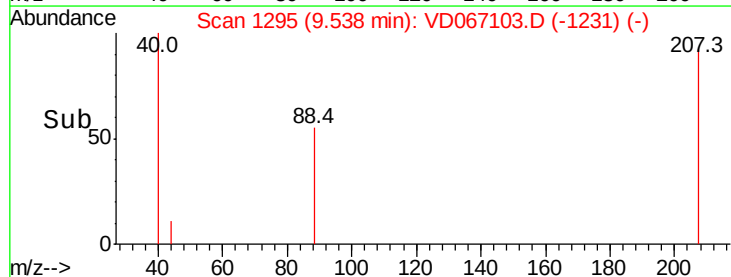
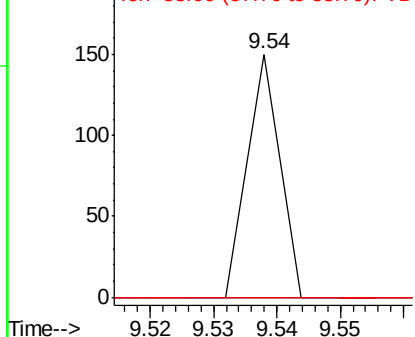


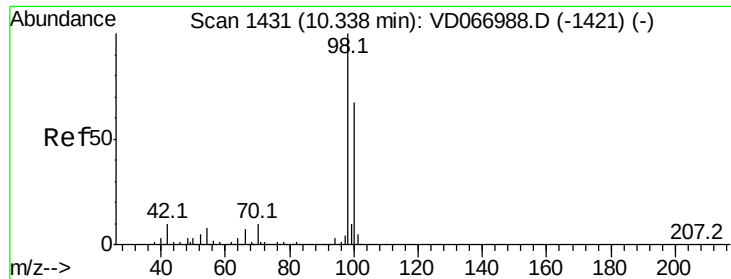
#49
1,4-Dioxane
Concen: 2.086 ug/l
RT: 9.54 min Scan# 1295
Delta R.T. 0.08 min
Lab File: VD067103.D
Acq: 06 Oct 2020 13:06

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 49.003 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

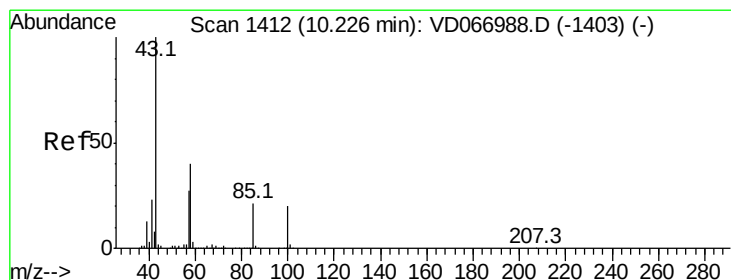
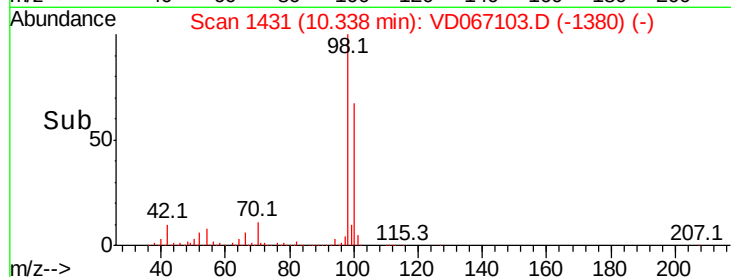
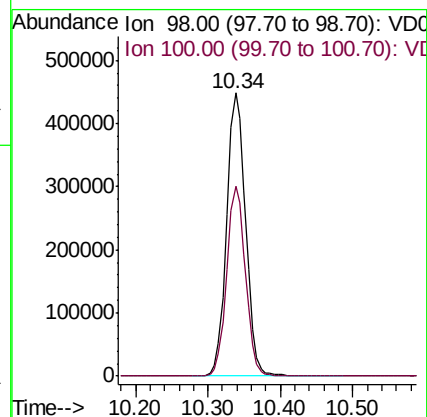
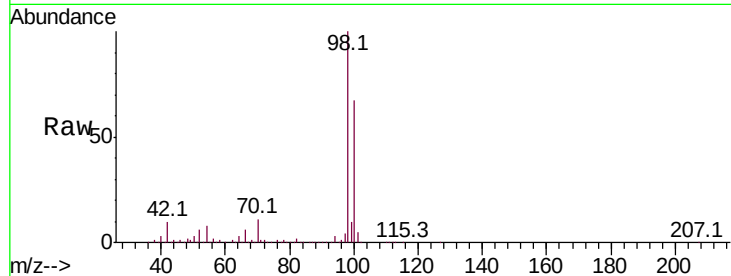
GIS-1-(6)

Tot Ion: 98 Resp: 813826

Ion Ratio Lower Upper

98 100

100 66.7 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.478 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD067103.D

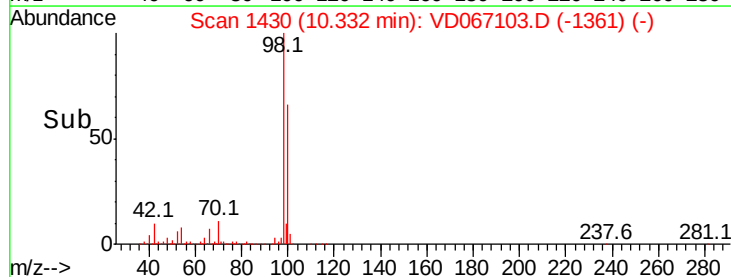
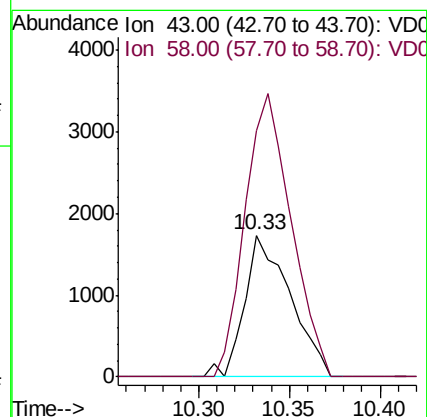
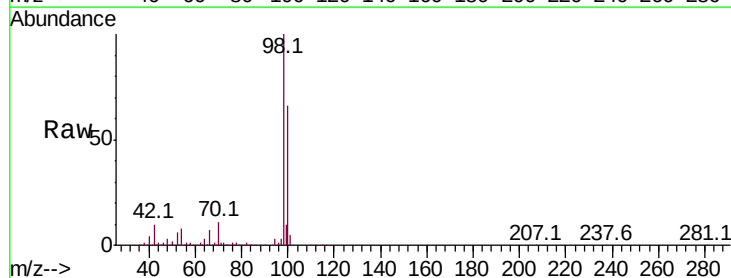
Acq: 06 Oct 2020 13:06

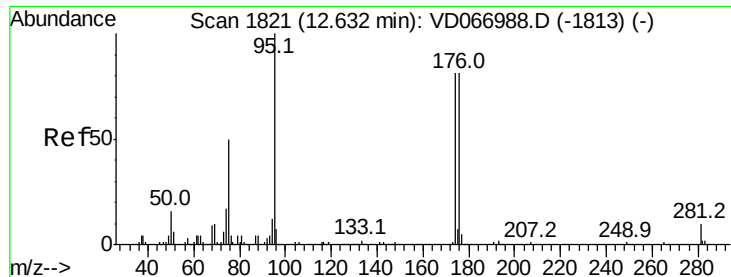
Tgt Ion: 43 Resp: 3048

Ion Ratio Lower Upper

43 100

58 201.6 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 46.627 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

GIS-1-(6)

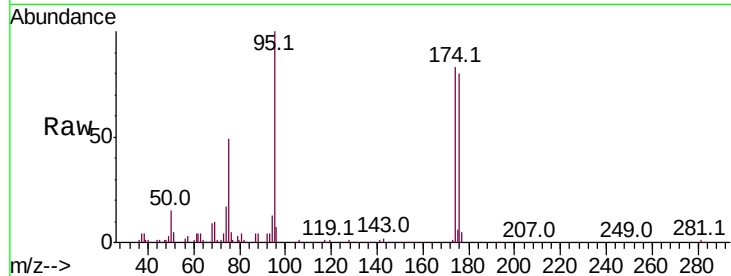
Tot Ion: 95 Resp: 262879

Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.6

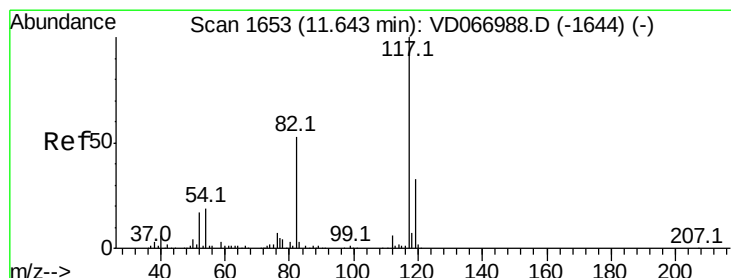
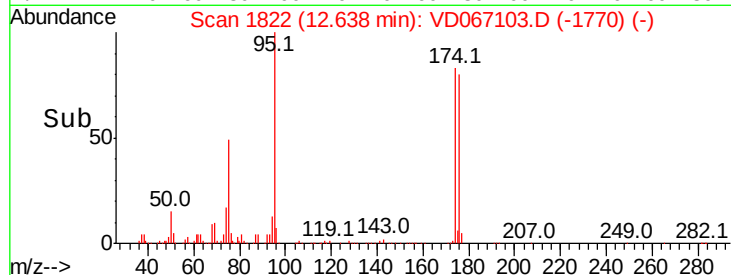
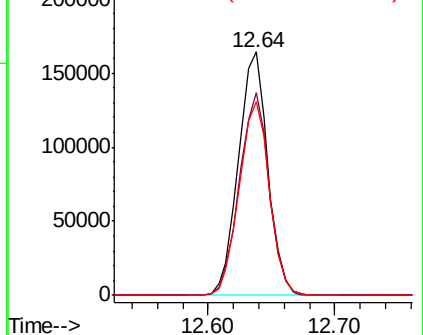
176 82.2 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067103.D

Acq: 06 Oct 2020 13:06

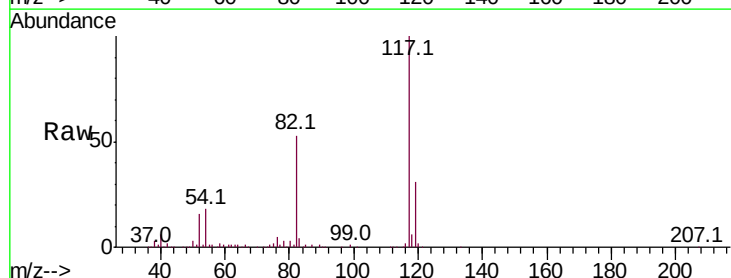
Tgt Ion: 117 Resp: 646621

Ion Ratio Lower Upper

117 100

82 53.4 42.6 63.8

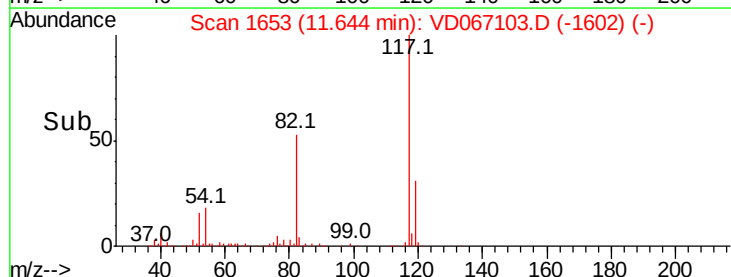
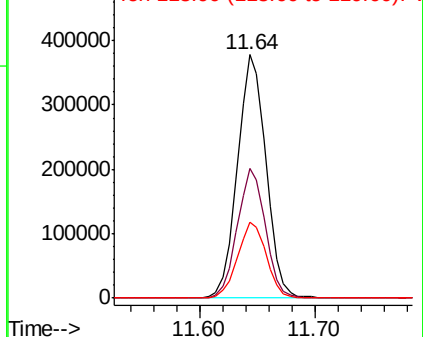
119 31.2 26.3 39.5

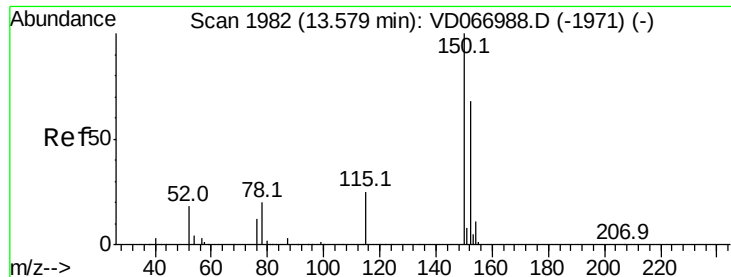


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

GIS-1-(6)

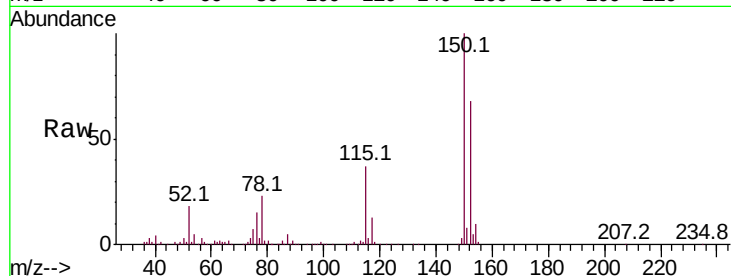
Tot Ion:152 Resp: 287927

Ion Ratio Lower Upper

152 100

115 57.2 29.6 88.8

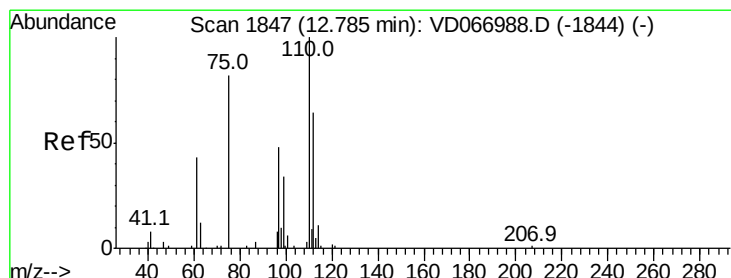
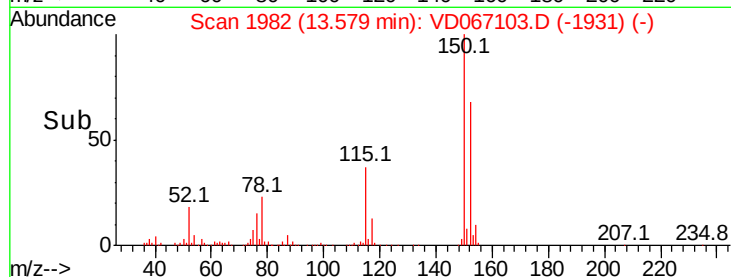
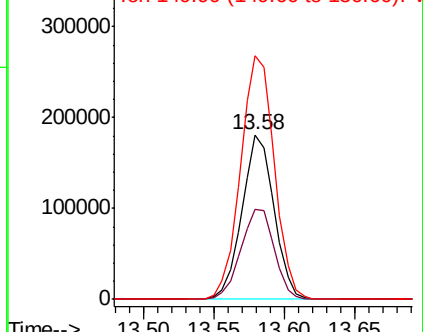
150 155.6 0.0 344.8



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: 52.694 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067103.D

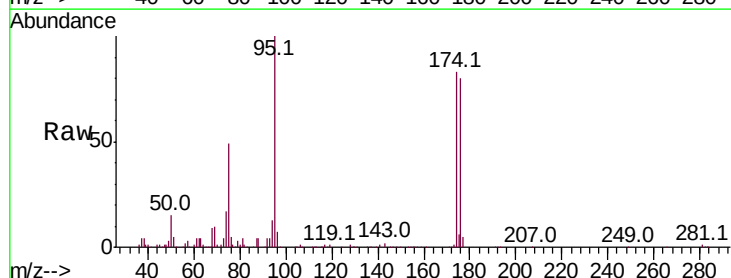
Acq: 06 Oct 2020 13:06

Tgt Ion: 75 Resp: 132154

Ion Ratio Lower Upper

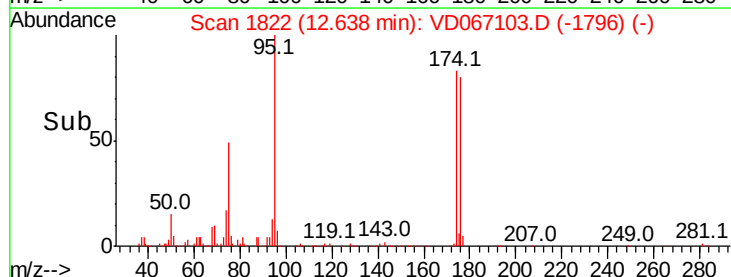
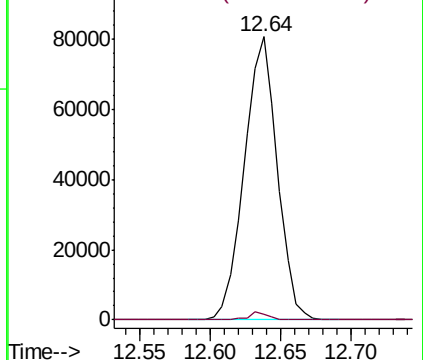
75 100

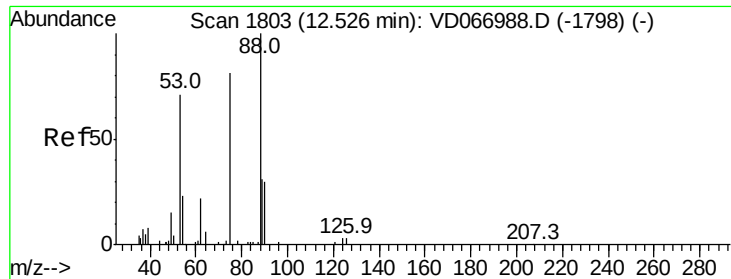
77 1.7 0.0 0.0#



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: 131.373 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067103.D

Acq: 06 Oct 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

GIS-1-(6)

Tot Ion: 75 Resp: 132154

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

