

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067106.D
 Acq On : 06 Oct 2020 14:28
 Operator : VA/SY
 Sample : L4272-21
 Misc : 6.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-4-(6)

Quant Time: Oct 07 01:10:58 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	420056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	674426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307981	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	214490	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.92	113	233977	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.34	98	843646	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.64	95	278828	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

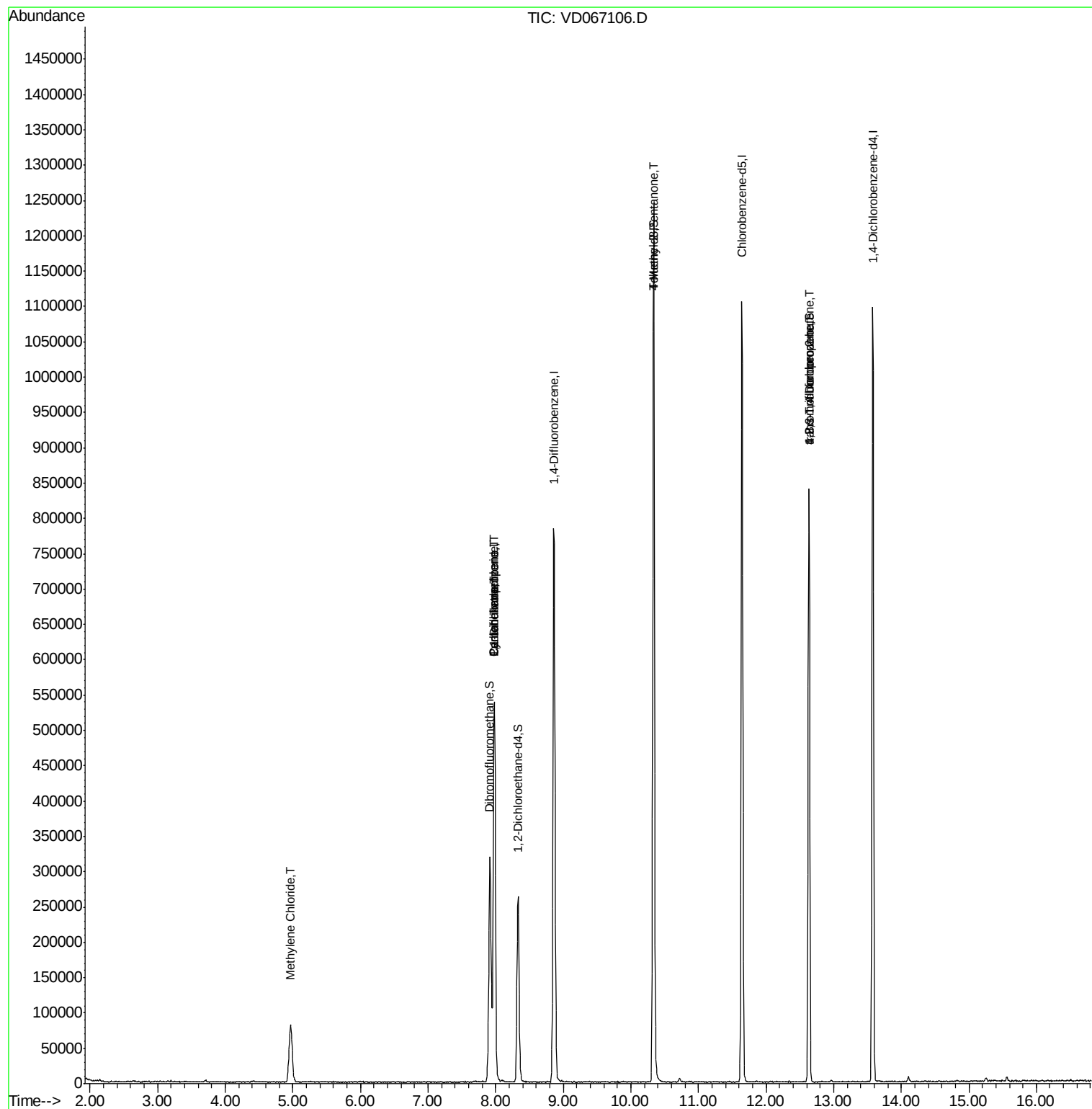
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	310	Below Cal	#	40
5) Bromomethane	2.76	94	58	Below Cal	#	3
20) Methylene Chloride	4.97	84	71532	10.587	ug/l	96
31) Cyclohexane	7.98	56	8556	1.408	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	29950	4.454	ug/l #	51
38) Carbon Tetrachloride	7.98	117	42511	5.843	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3110	1.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	138884	51.772	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138884	129.074	ug/l #	12

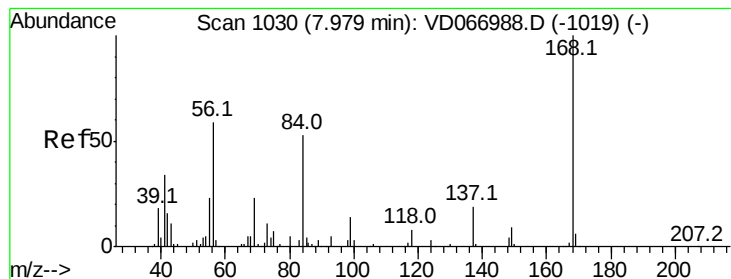
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GIS-4-(6)

Quant Time: Oct 07 01:10:58 2020
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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: VD067106.D

Acq: 06 Oct 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

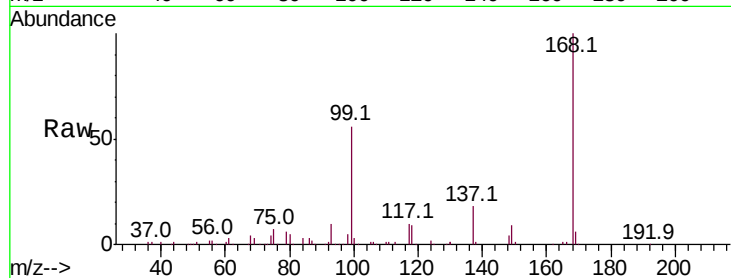
GIS-4-(6)

Tot Ion:168 Resp: 420056

Ion Ratio Lower Upper

168 100

99 55.9 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

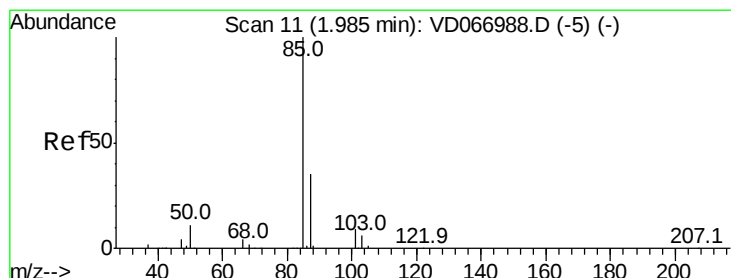
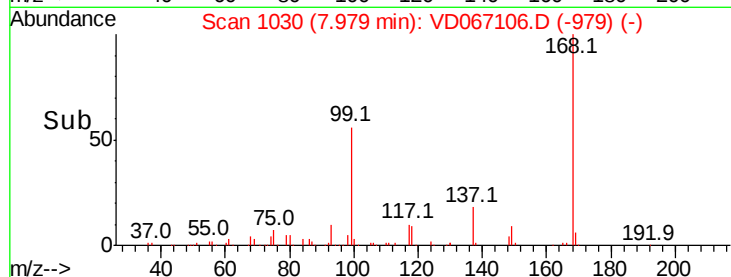
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067106.D

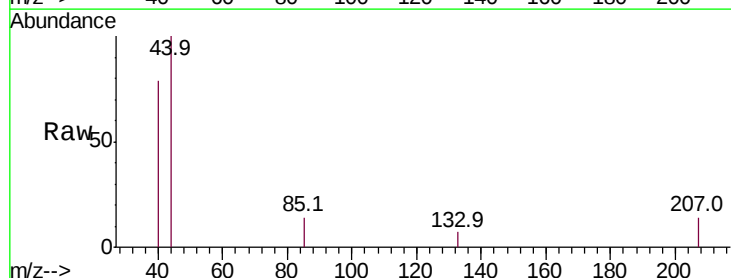
Acq: 06 Oct 2020 14:28

Tgt Ion: 85 Resp: 310

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

400

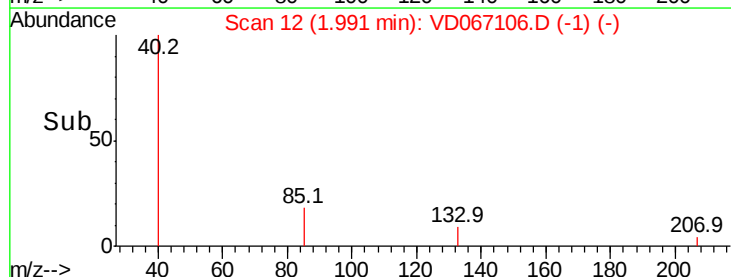
300

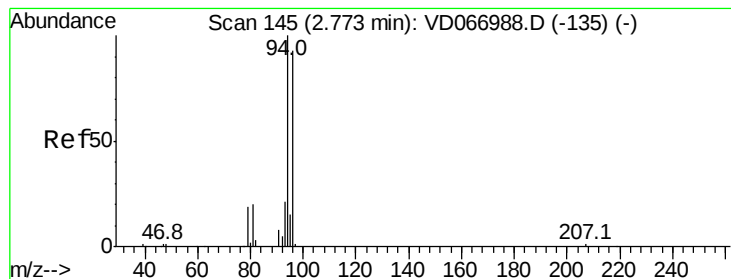
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067106.D

Acq: 06 Oct 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

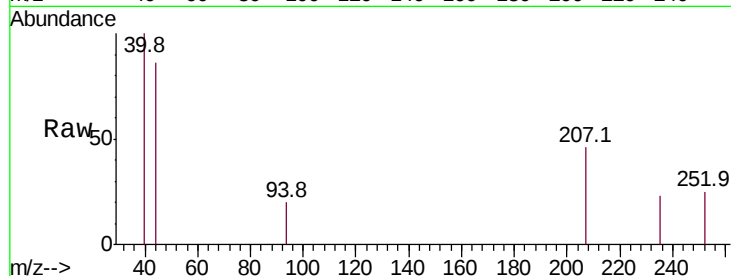
GIS-4-(6)

Tot Ion: 94 Resp: 58

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

250

200

150

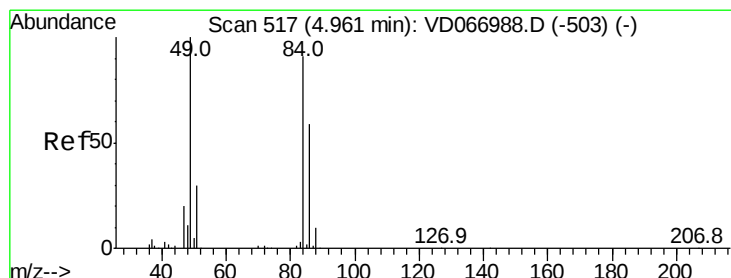
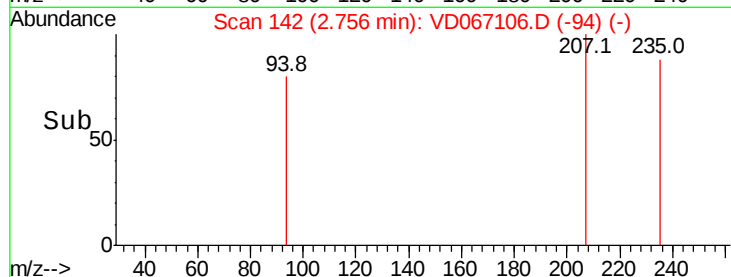
100

50

0

2.74 2.75 2.76 2.77

Time-->



#20

Methylene Chloride

Concen: 10.587 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067106.D

Acq: 06 Oct 2020 14:28

Tgt Ion: 84 Resp: 71532

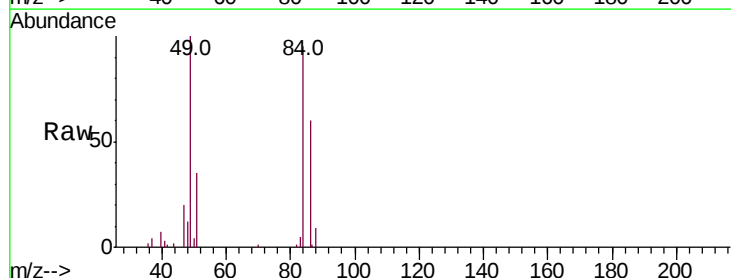
Ion Ratio Lower Upper

84 100

49 105.3 88.2 132.2

51 36.5 26.6 39.8

86 63.5 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

30000

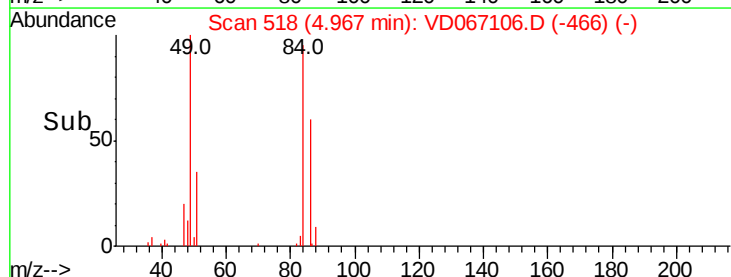
20000

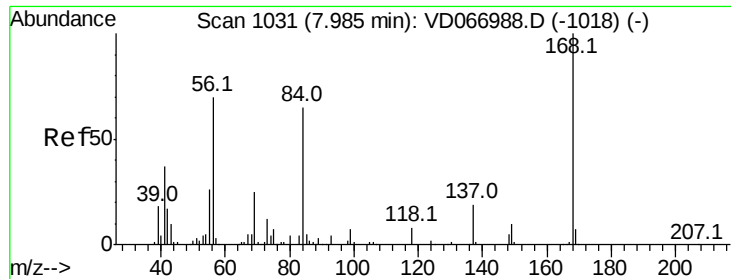
10000

0

4.80 4.90 5.00 5.10

Time-->

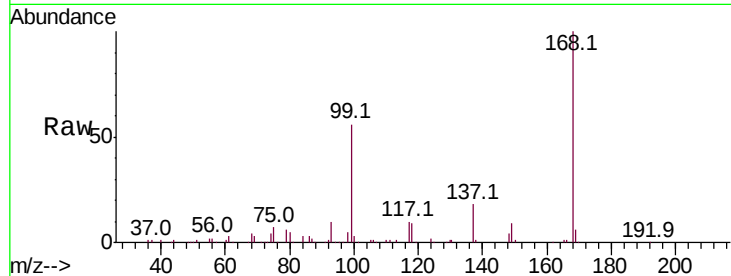




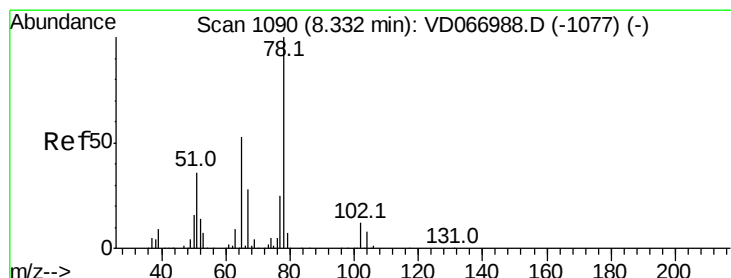
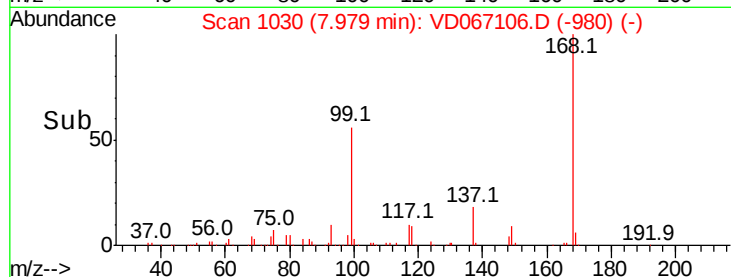
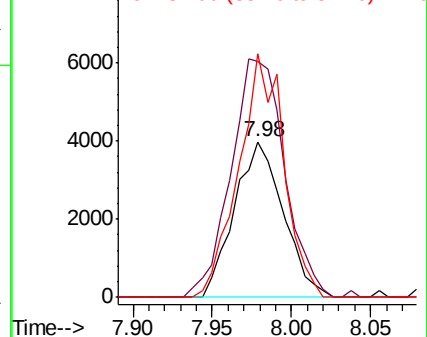
#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067106.D
Acq: 06 Oct 2020 14:28

Instrument :
MSVOA_D
ClientSampleId :
GIS-4-(6)

Tot Ion: 56 Resp: 8556
Ion Ratio Lower Upper
56 100
69 151.5 29.0 43.6#
84 156.4 74.2 111.2#

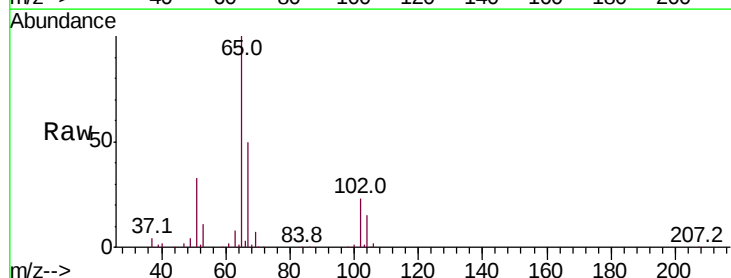


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

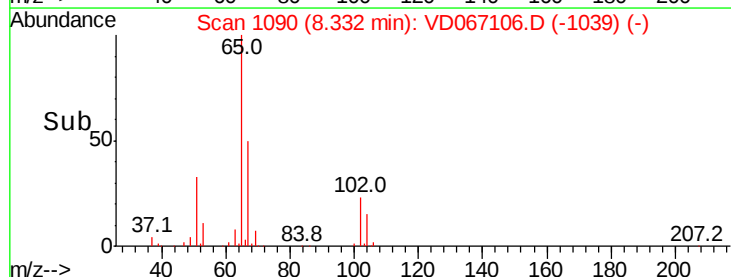
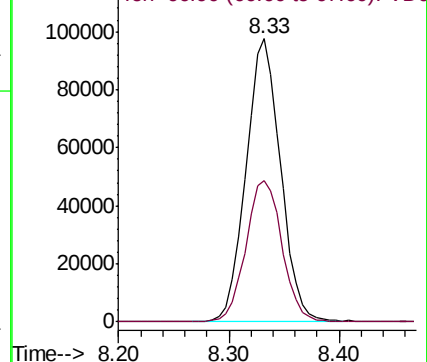


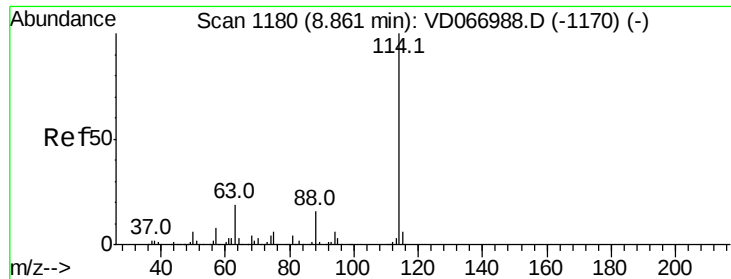
#33
1,2-Dichloroethane-d4
Concen: 53.013 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067106.D
Acq: 06 Oct 2020 14:28

Tgt Ion: 65 Resp: 214490
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8



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

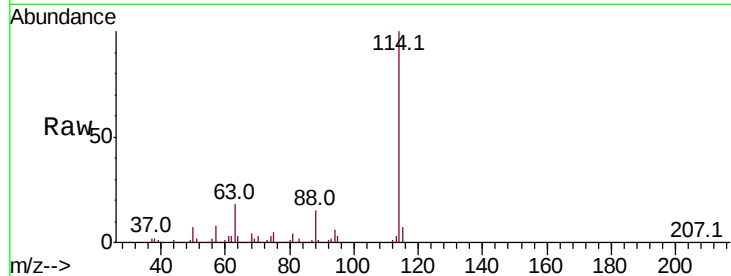




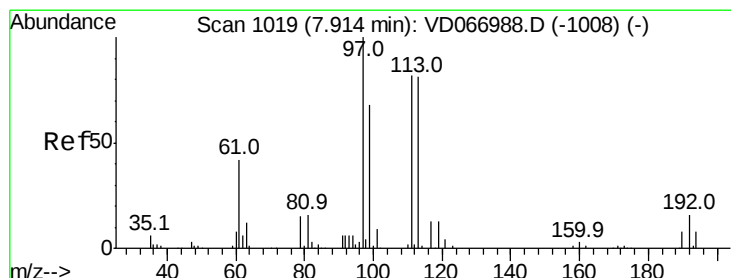
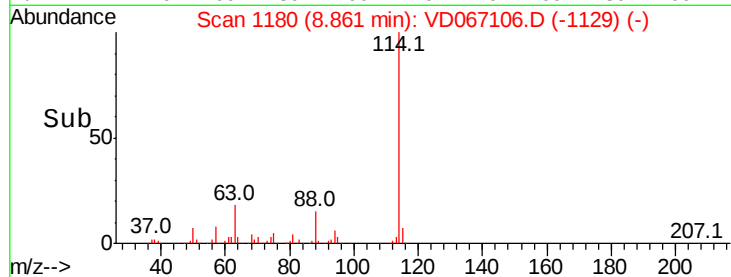
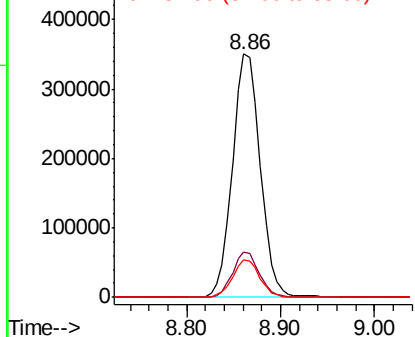
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067106.D
 Acq: 06 Oct 2020 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 GIS-4-(6)

Tot Ion:114 Resp: 721409
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 15.3 0.0 31.2

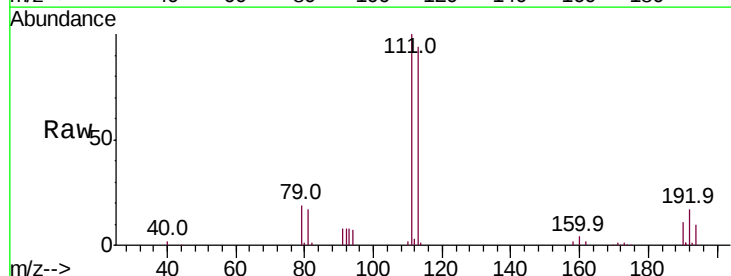


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

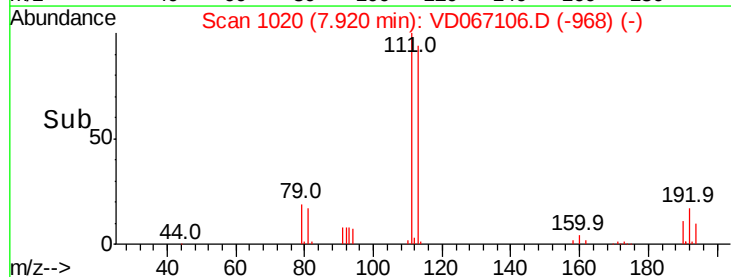
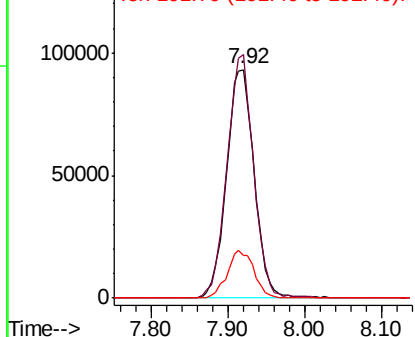


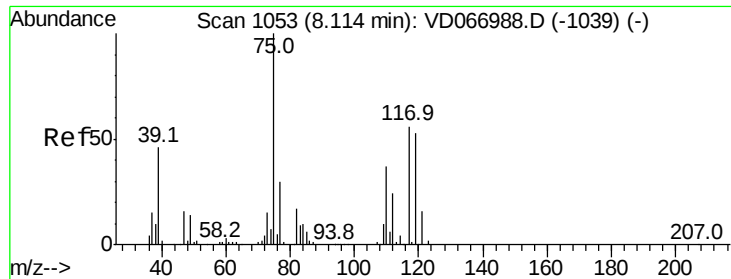
#35
 Dibromofluoromethane
 Concen: 49.541 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067106.D
 Acq: 06 Oct 2020 14:28

Tgt Ion:113 Resp: 233977
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.0 124.4
 192 20.2 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

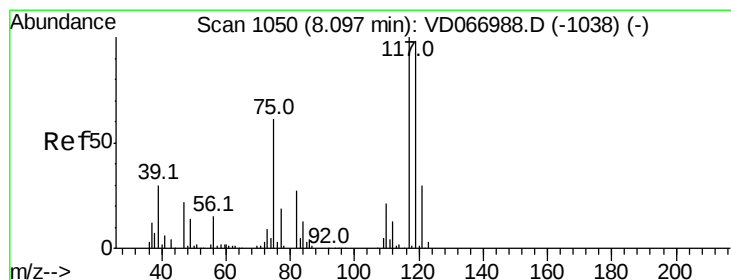
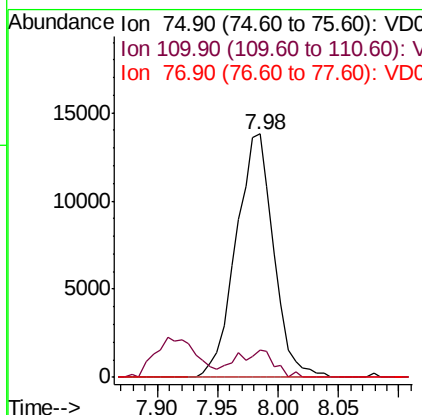
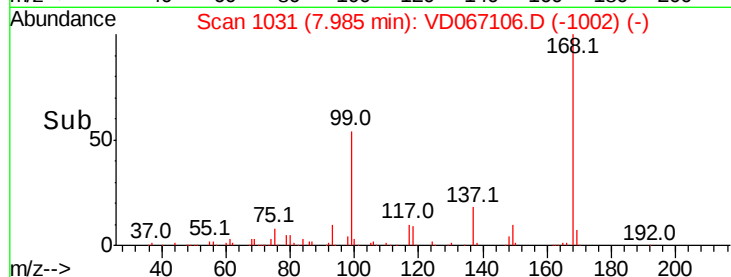
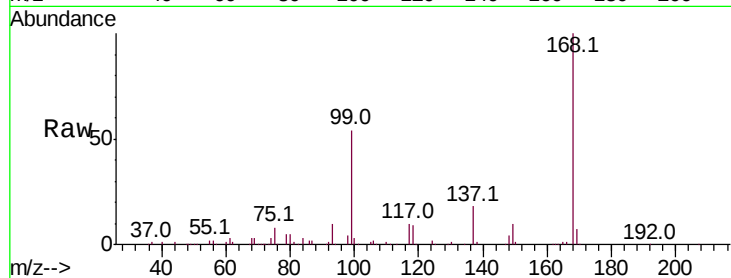




#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067106.D
 Acq: 06 Oct 2020 14:28

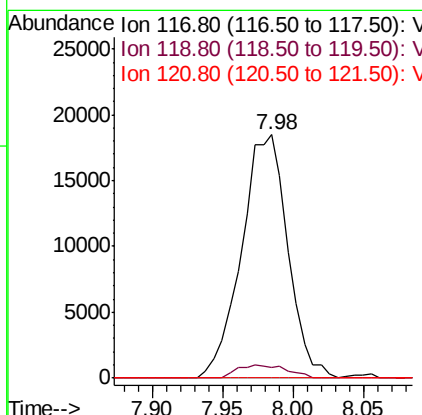
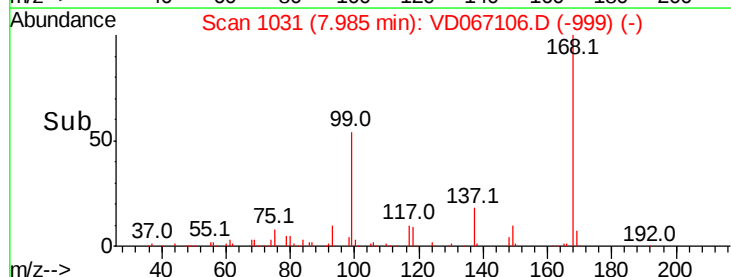
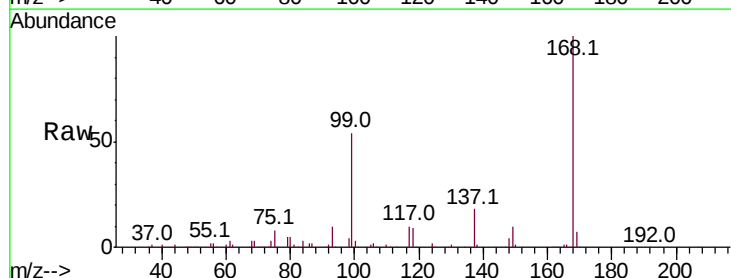
Instrument :
 MSVOA_D
 ClientSampled :
 GIS-4-(6)

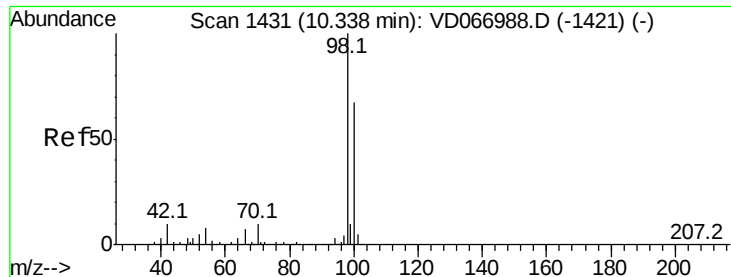
Tot Ion: 75 Resp: 29950
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.843 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067106.D
 Acq: 06 Oct 2020 14:28

Tgt Ion: 117 Resp: 42511
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.7 118.1#
 121 0.0 24.2 36.2#

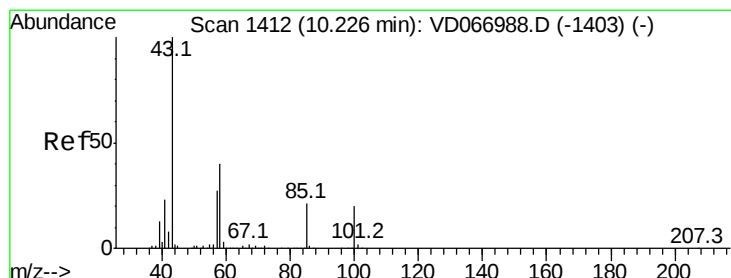
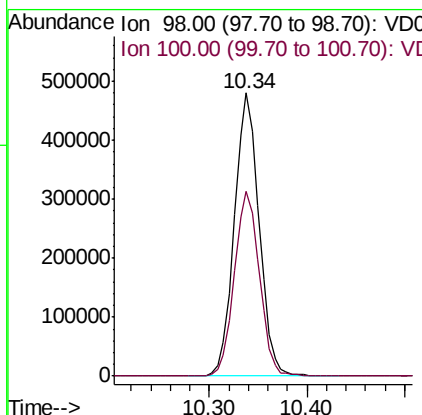
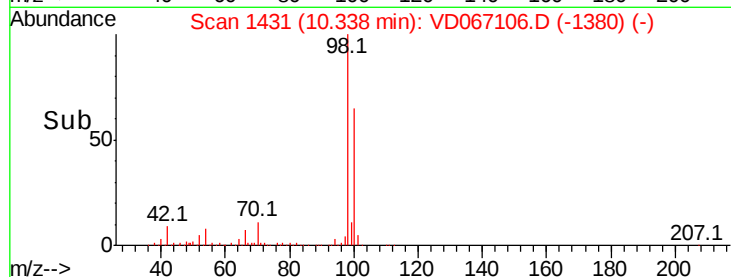
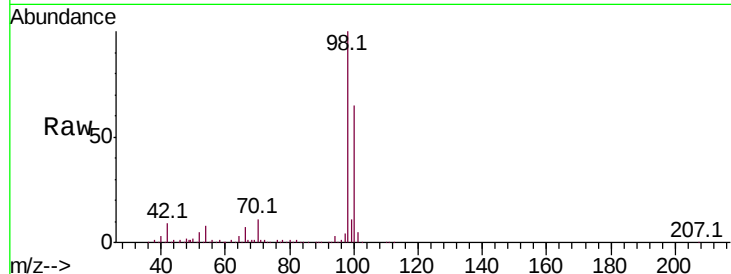




#50
Toluene-d8
Concen: 49.021 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067106.D
Acq: 06 Oct 2020 14:28

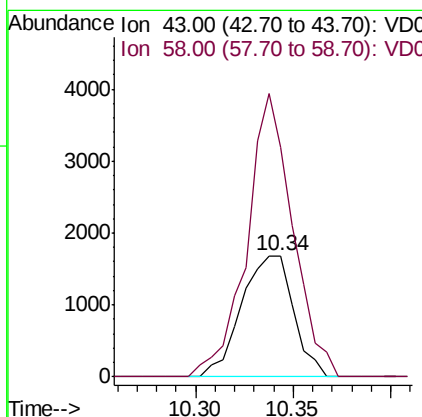
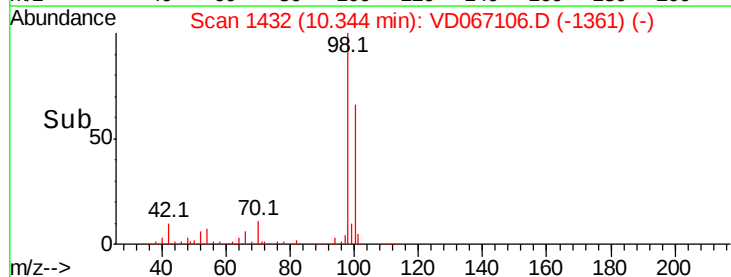
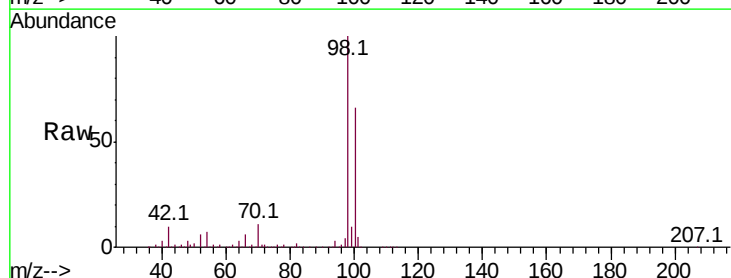
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MSVOA_D
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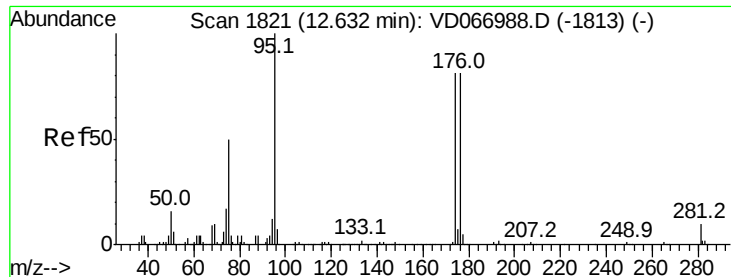
Tot Ion: 98 Resp: 843646
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.455 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067106.D
Acq: 06 Oct 2020 14:28

Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
58 206.0 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 47.726 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067106.D

Acq: 06 Oct 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

GIS-4-(6)

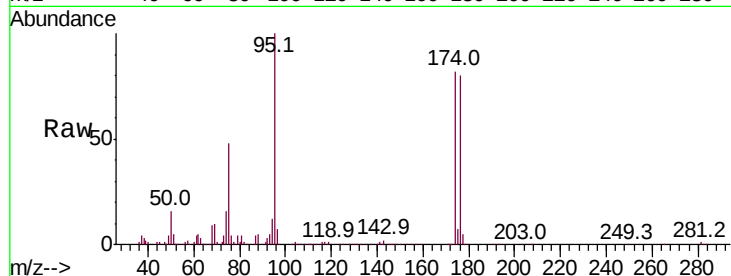
Tot Ion: 95 Resp: 278828

Ion Ratio Lower Upper

95 100

174 83.9 0.0 167.6

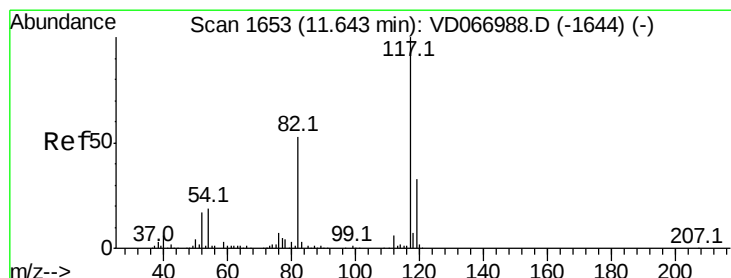
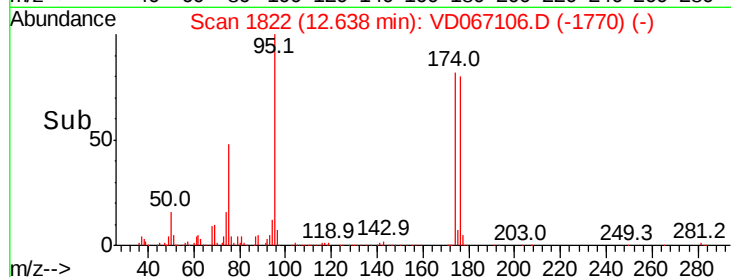
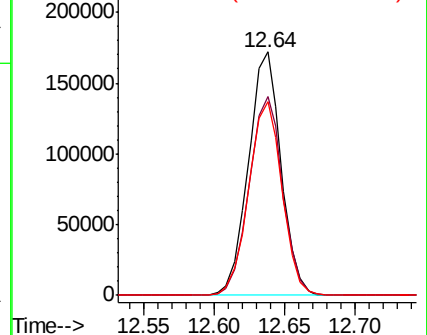
176 81.5 0.0 162.4



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: VD067106.D

Acq: 06 Oct 2020 14:28

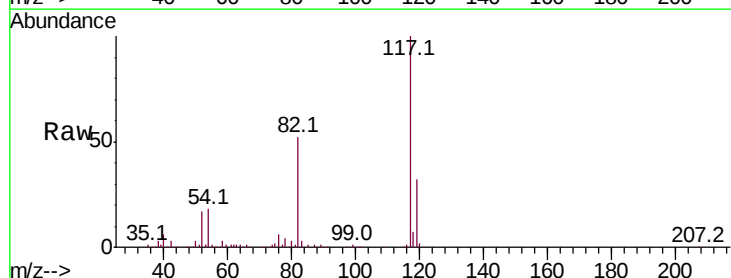
Tgt Ion: 117 Resp: 674426

Ion Ratio Lower Upper

117 100

82 51.8 42.6 63.8

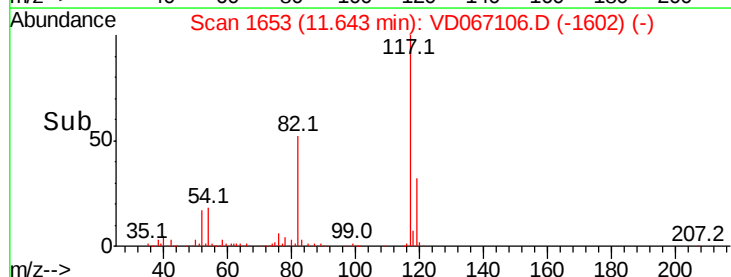
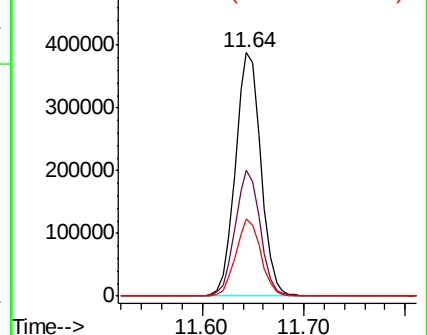
119 31.6 26.3 39.5

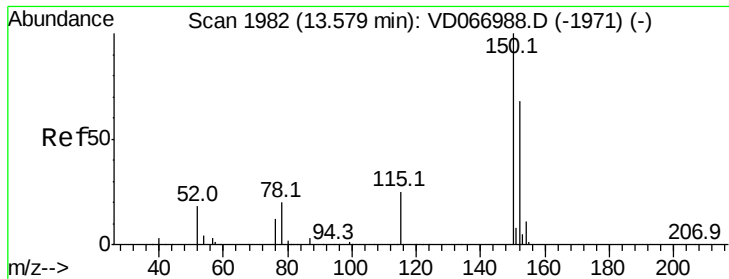


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067106.D

Acq: 06 Oct 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

GIS-4-(6)

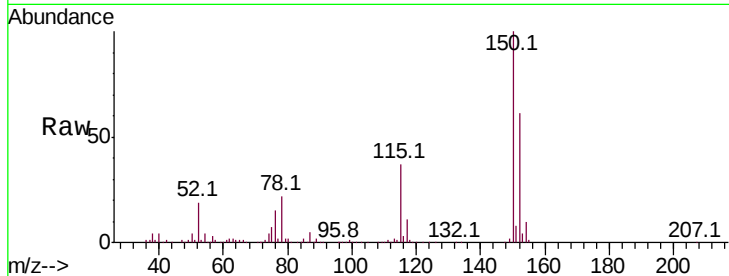
Tot Ion:152 Resp: 307981

Ion Ratio Lower Upper

152 100

115 58.8 29.6 88.8

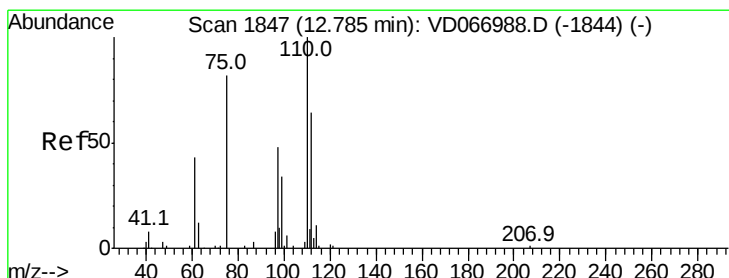
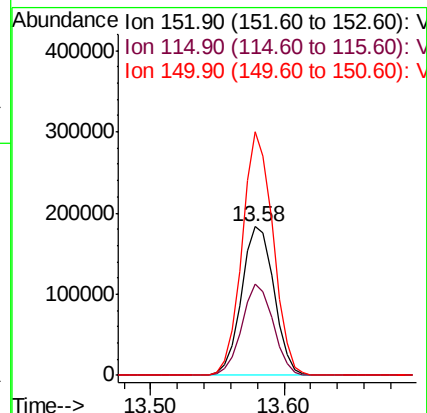
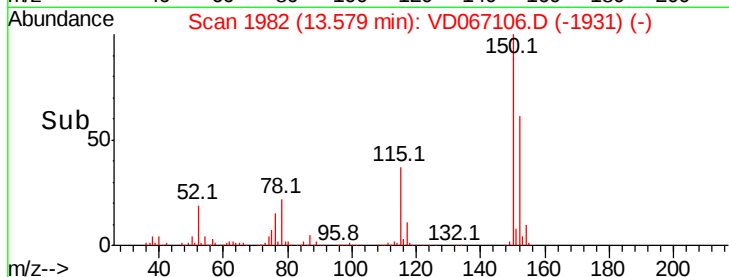
150 155.5 0.0 344.8



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: 51.772 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067106.D

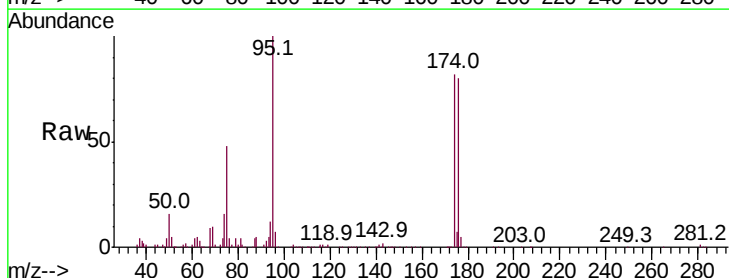
Acq: 06 Oct 2020 14:28

Tgt Ion: 75 Resp: 138884

Ion Ratio Lower Upper

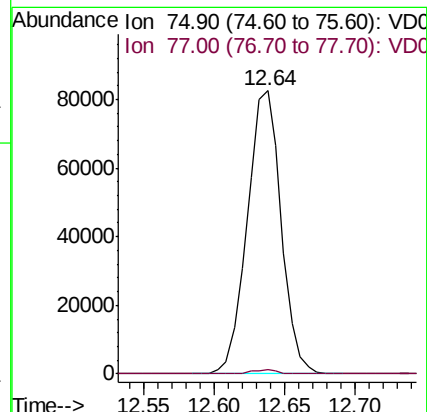
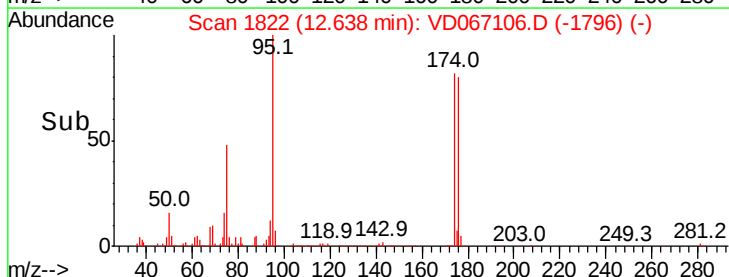
75 100

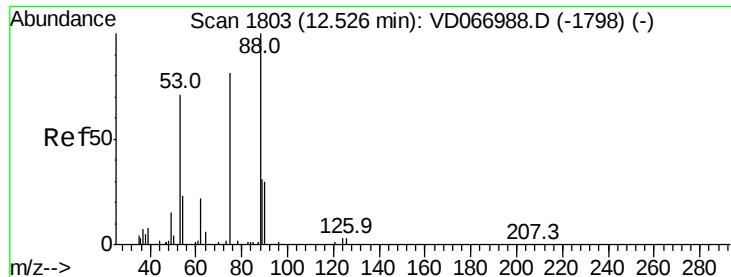
77 1.1 0.0 0.0#



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: 129.074 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067106.D

Acq: 06 Oct 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

GIS-4-(6)

Tot Ion: 75 Resp: 138884

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#

