

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014175.D
 Acq On : 20 Dec 2019 15:39
 Operator : JC/SP
 Sample : K6379-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-G

Quant Time: Dec 20 22:28:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	569976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	853499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	772814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	314077	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	5.49	113	257275	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	8.71	98	1019464	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	340332	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

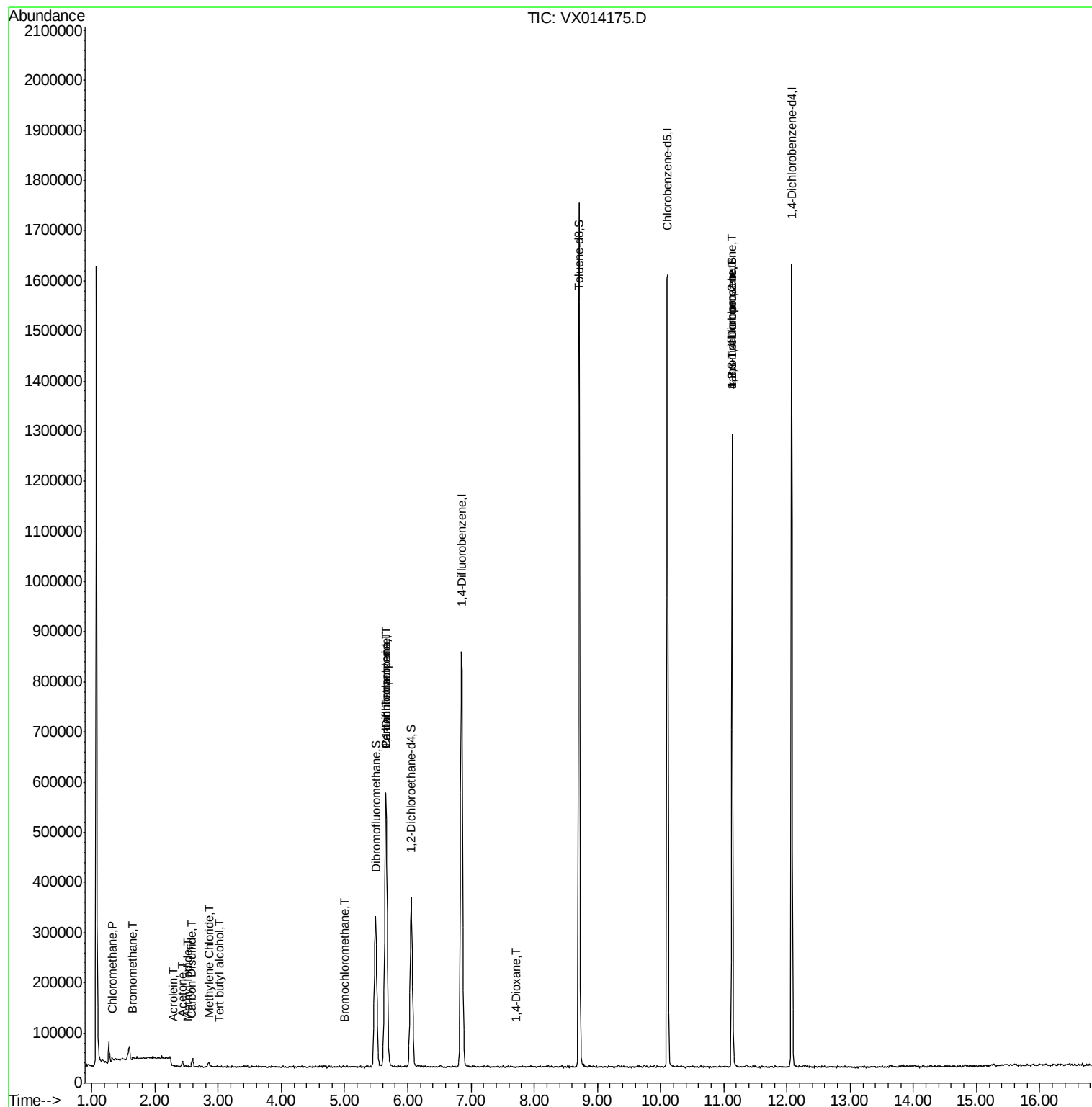
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3073	0.449	ug/l	94
5) Bromomethane	1.65	94	1029	0.201	ug/l #	71
10) Methyl Iodide	2.51	142	676	2.711	ug/l #	63
11) Tert butyl alcohol	3.03	59	581	0.416	ug/l #	1
13) Acrolein	2.28	56	588	0.736	ug/l #	1
16) Acetone	2.44	43	9299	2.217	ug/l	90
17) Carbon Disulfide	2.57	76	1361	0.838	ug/l #	75
20) Methylene Chloride	2.85	84	4716	0.714	ug/l #	86
28) Bromochloromethane	5.01	49	328	0.532	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	38086	4.863	ug/l #	52
38) Carbon Tetrachloride	5.65	117	49597	6.952	ug/l #	18
49) 1,4-Dioxane	7.72	88	224	1.571	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	167347	22.311	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	167347	62.974	ug/l #	12

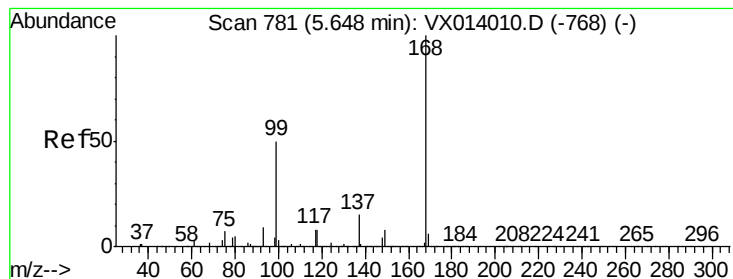
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

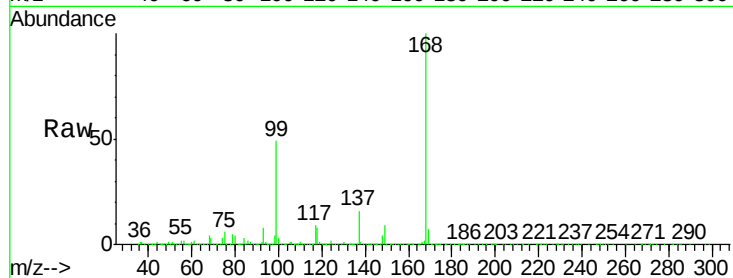
MH-G

Tgt Ion:168 Resp: 569976

Ion Ratio Lower Upper

168 100

99 49.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

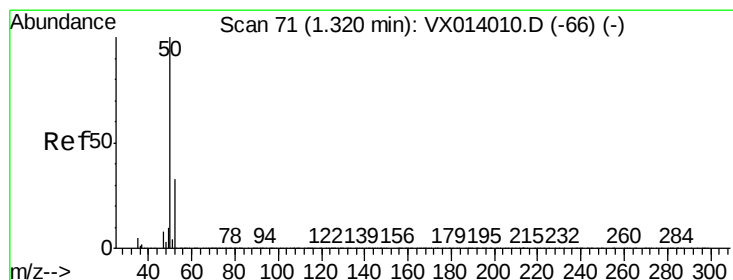
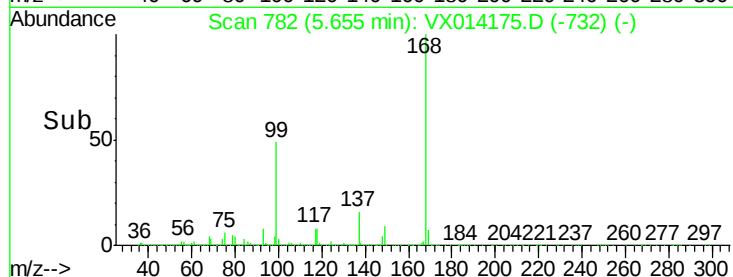
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014175.D

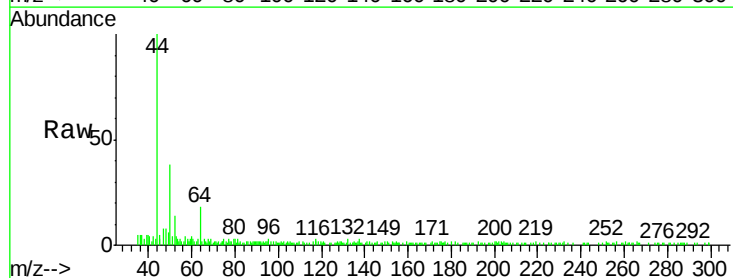
Acq: 20 Dec 2019 15:39

Tgt Ion: 50 Resp: 3073

Ion Ratio Lower Upper

50 100

52 29.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

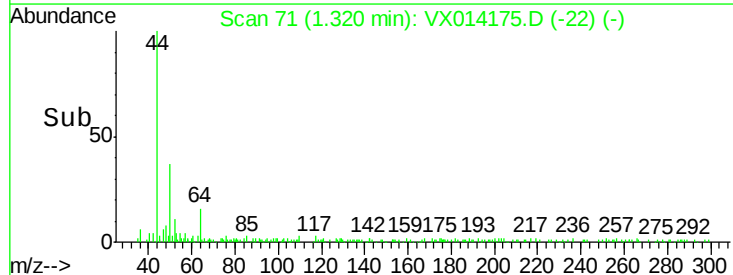
3000

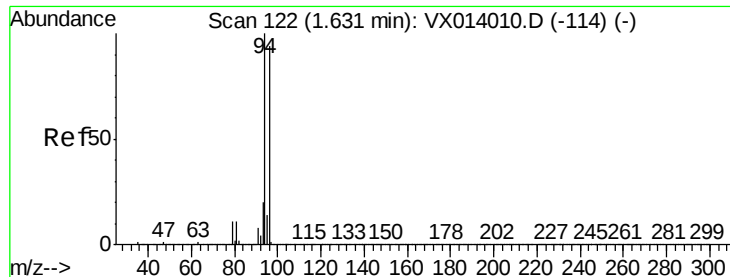
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

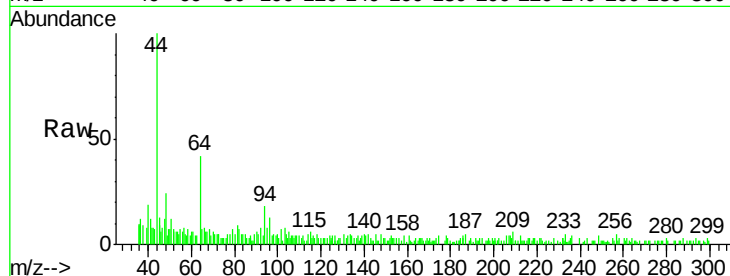
MH-G

Tgt Ion: 94 Resp: 1029

Ion Ratio Lower Upper

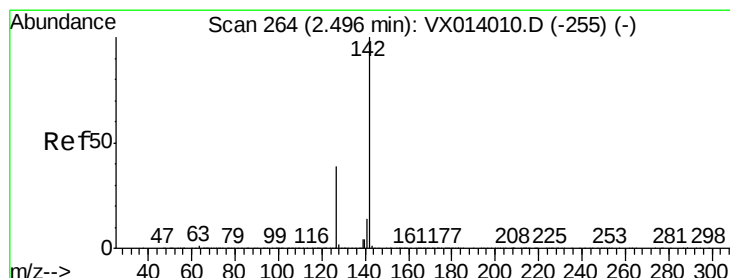
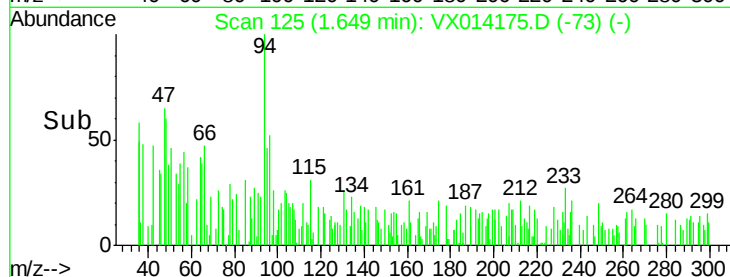
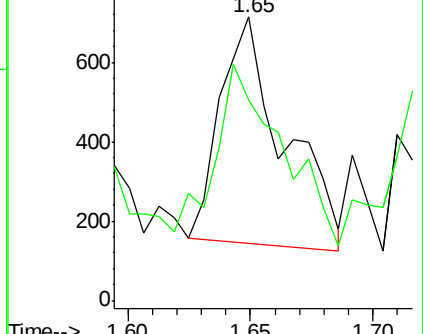
94 100

96 66.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.711 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

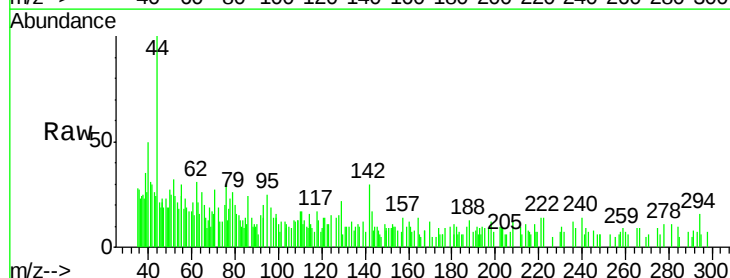
Tgt Ion: 142 Resp: 676

Ion Ratio Lower Upper

142 100

127 22.0 31.6 47.4#

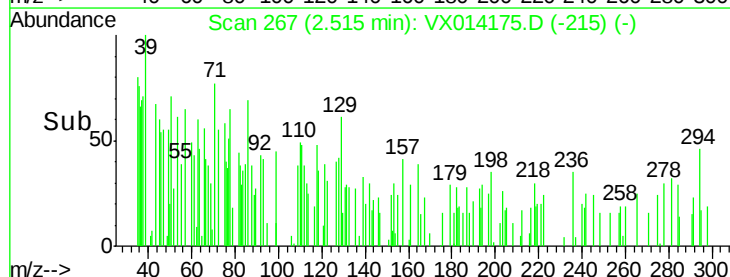
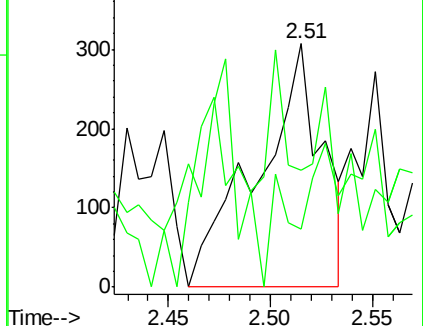
141 39.6 11.6 17.4#

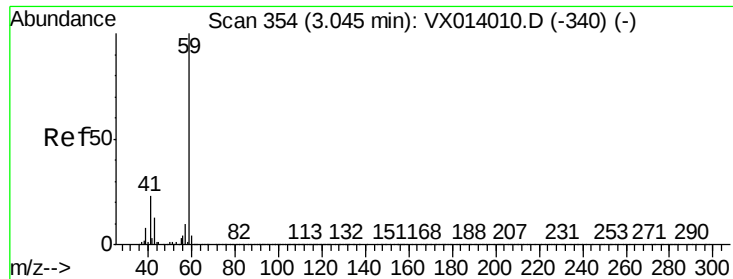


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



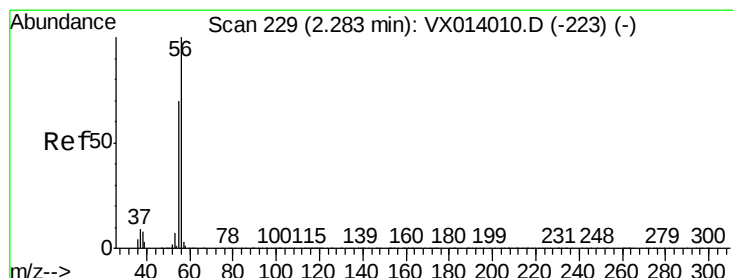
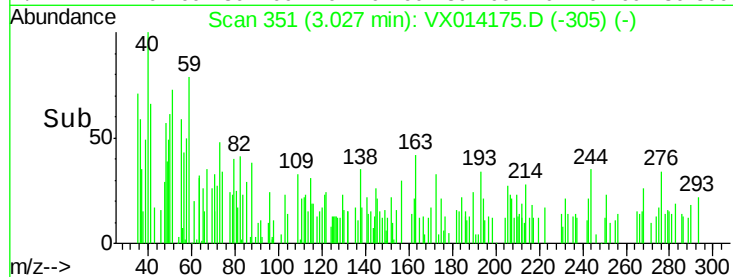
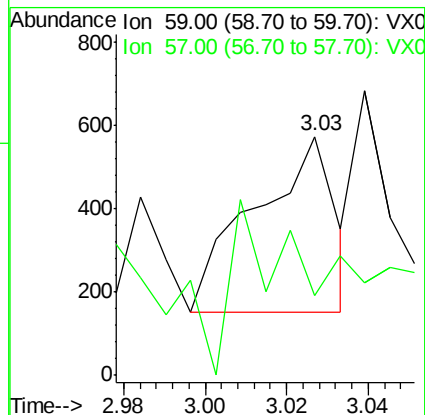
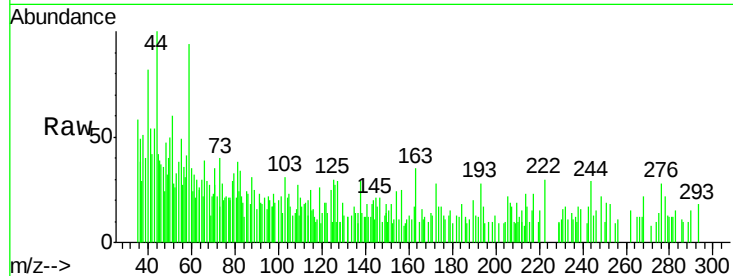


#11

Tert butyl alcohol
 Concen: 0.416 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014175.D
 Acq: 20 Dec 2019 15:39

Instrument :
 MSVOA_X
 ClientSampled :
 MH-G

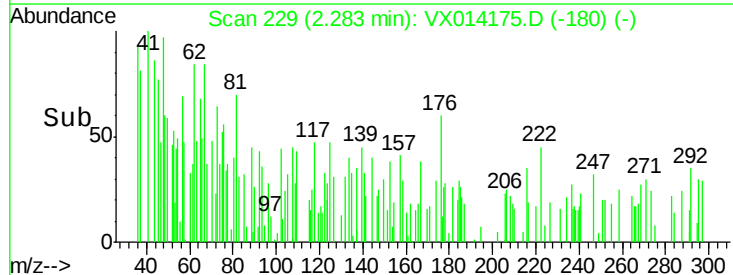
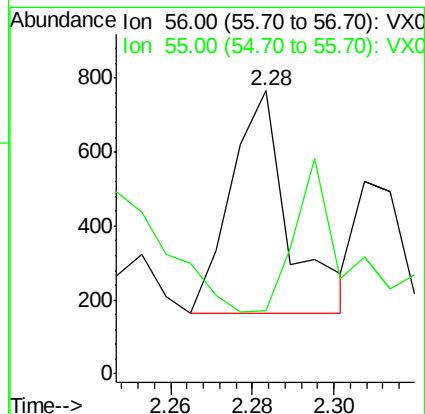
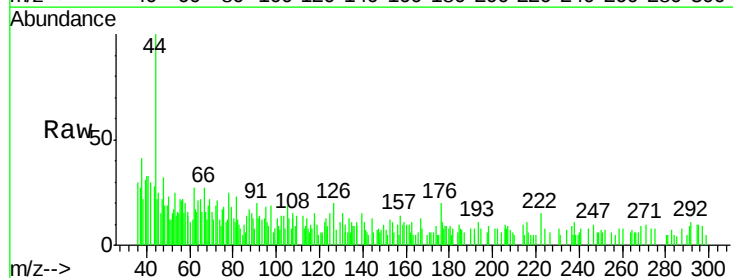
Tgt Ion: 59 Resp: 581
 Ion Ratio Lower Upper
 59 100
 57 146.6 8.4 12.6#

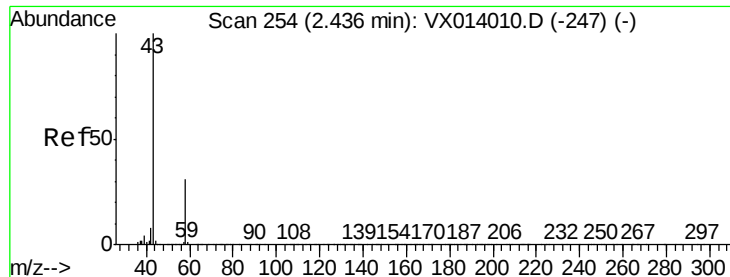


#13

Acrolein
 Concen: 0.736 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX014175.D
 Acq: 20 Dec 2019 15:39

Tgt Ion: 56 Resp: 588
 Ion Ratio Lower Upper
 56 100
 55 178.2 56.9 85.3#





#16

Acetone

Concen: 2.217 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

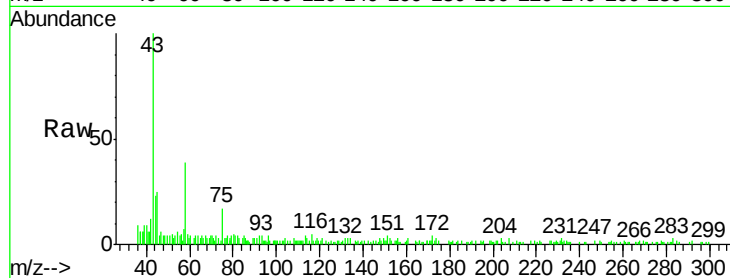
MH-G

Tgt Ion: 43 Resp: 9299

Ion Ratio Lower Upper

43 100

58 36.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

6000

5000

4000

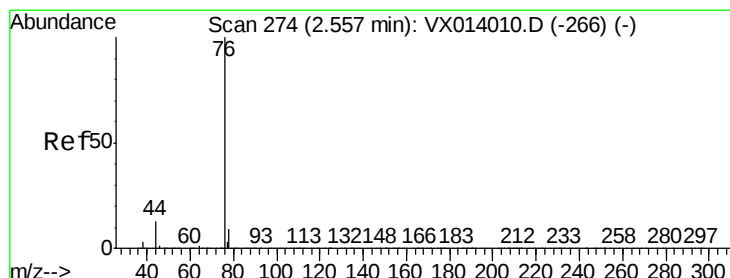
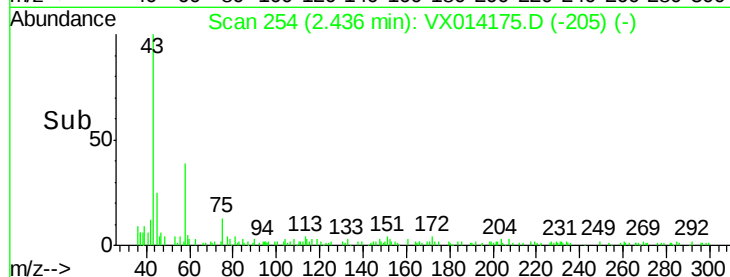
3000

2000

1000

0

Time-->



#17

Carbon Disulfide

Concen: 0.838 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014175.D

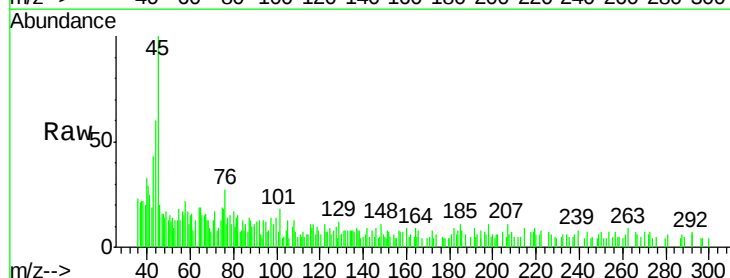
Acq: 20 Dec 2019 15:39

Tgt Ion: 76 Resp: 1361

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

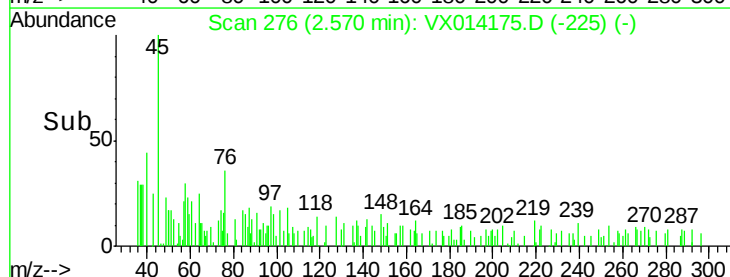
600

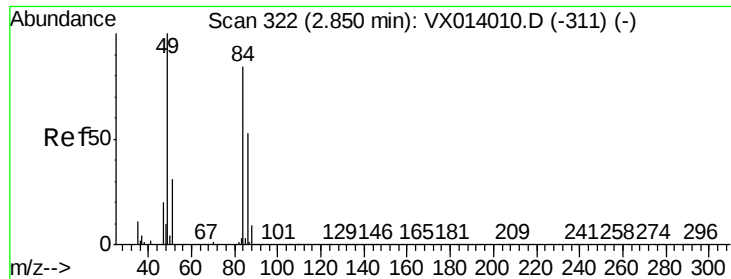
400

200

0

Time-->

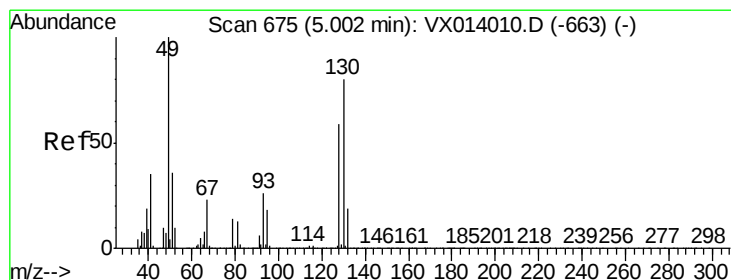
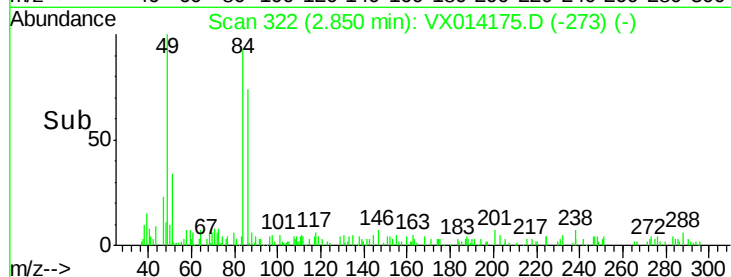
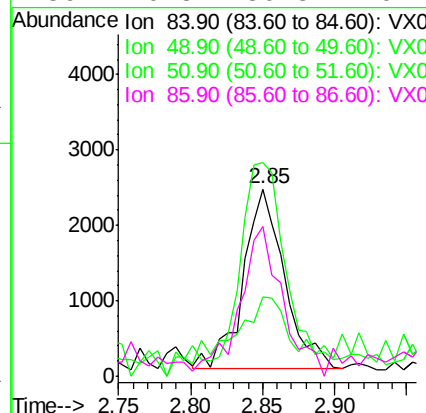
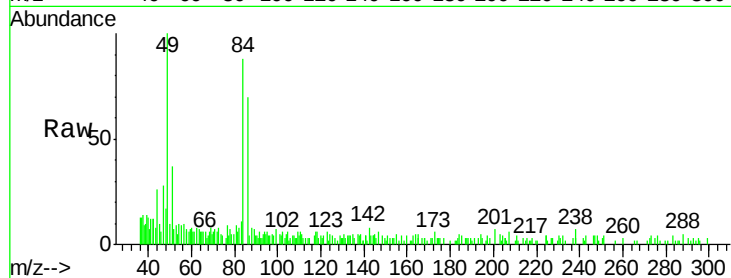




#20
Methylene Chloride
Concen: 0.714 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014175.D
Acq: 20 Dec 2019 15:39

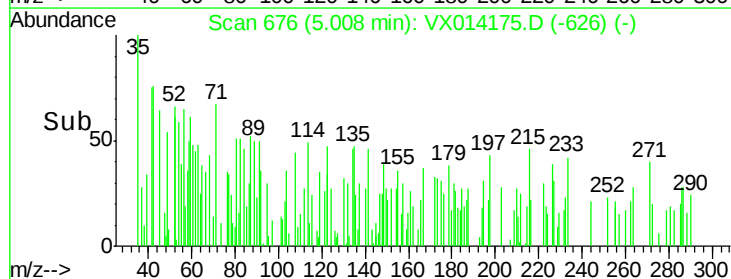
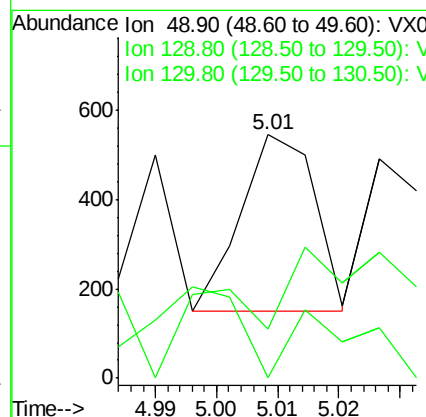
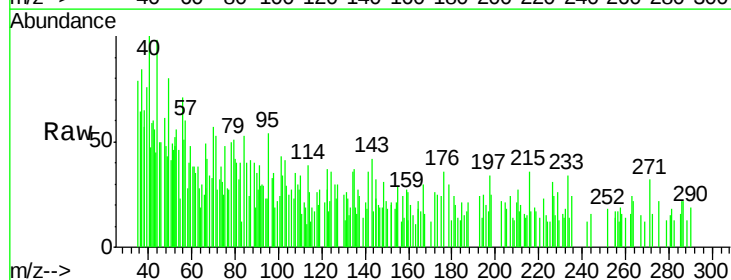
Instrument :
MSVOA_X
ClientSampled :
MH-G

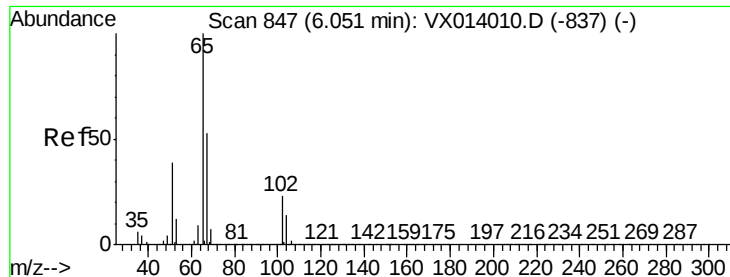
Tgt Ion:	84	Resp:	4716
Ion	Ratio	Lower	Upper
84	100		
49	101.7	95.8	143.6
51	36.7	29.8	44.8
86	76.3	50.8	76.2#



#28
Bromochloromethane
Concen: 0.532 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014175.D
Acq: 20 Dec 2019 15:39

Tgt Ion:	49	Resp:	328
Ion	Ratio	Lower	Upper
49	100		
129	38.7	0.0	5.0#
130	213.7	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.620 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

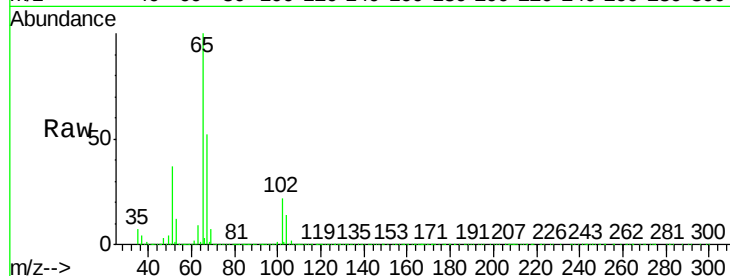
MH-G

Tgt Ion: 65 Resp: 314077

Ion Ratio Lower Upper

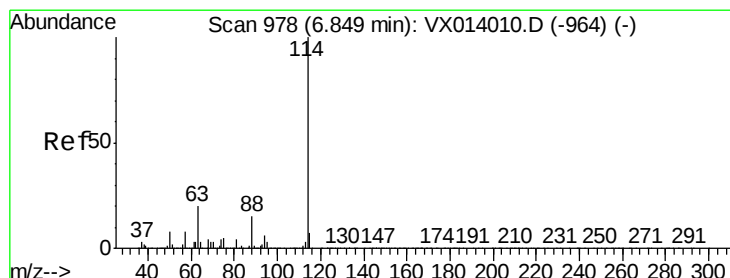
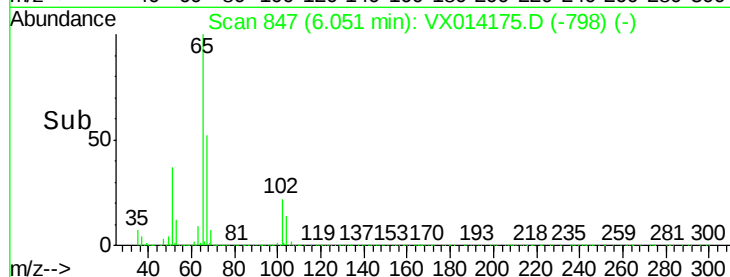
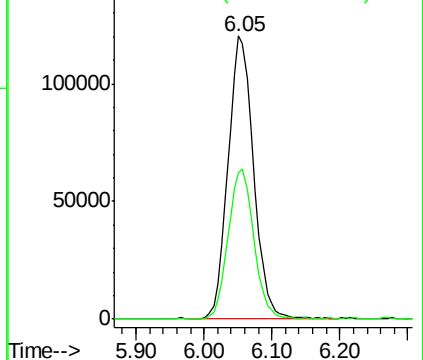
65 100

67 52.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

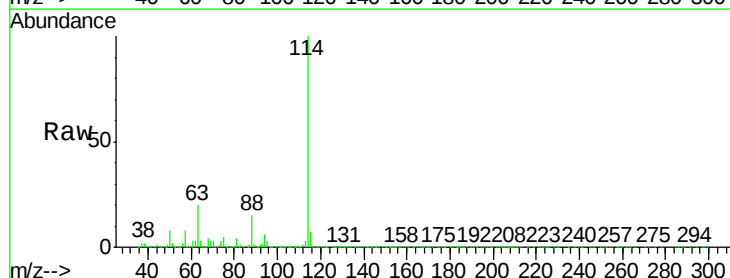
Tgt Ion: 114 Resp: 853499

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

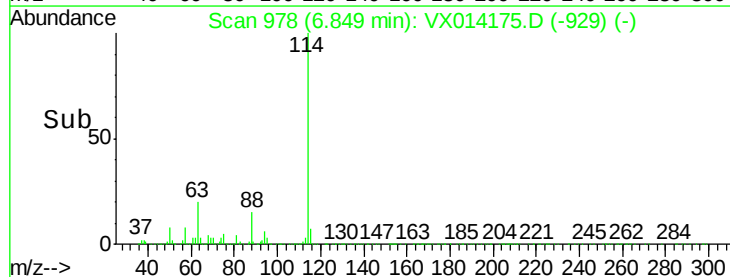
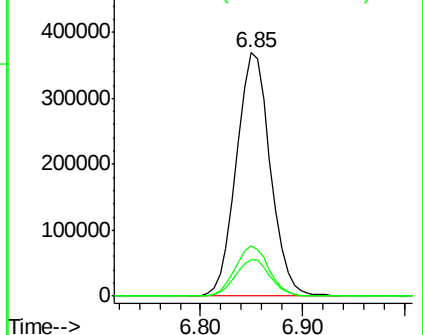
88 14.9 0.0 30.4

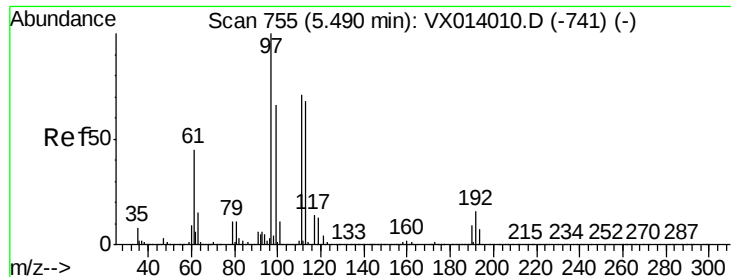


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.587 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

MH-G

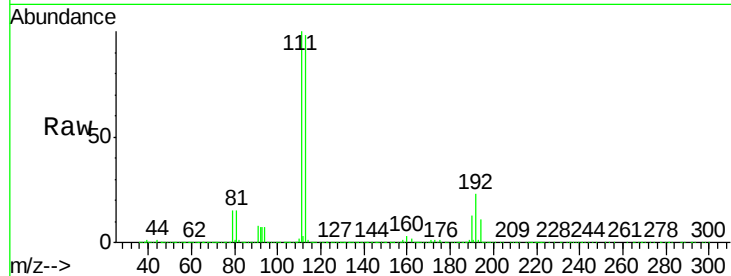
Tgt Ion:113 Resp: 257275

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

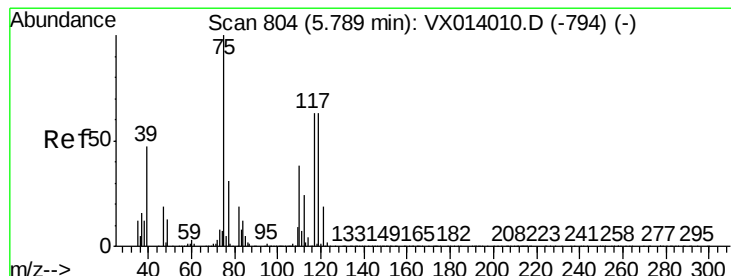
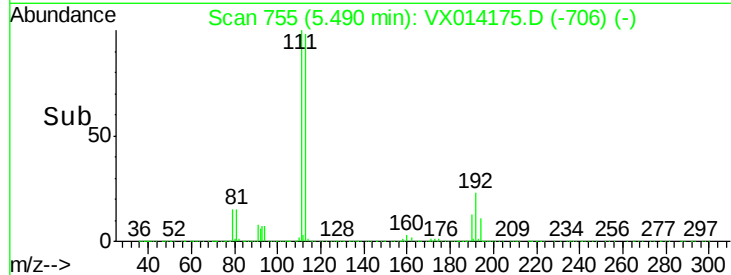
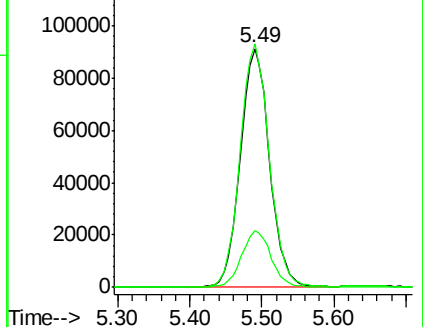
192 24.0 19.3 28.9



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: 4.863 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

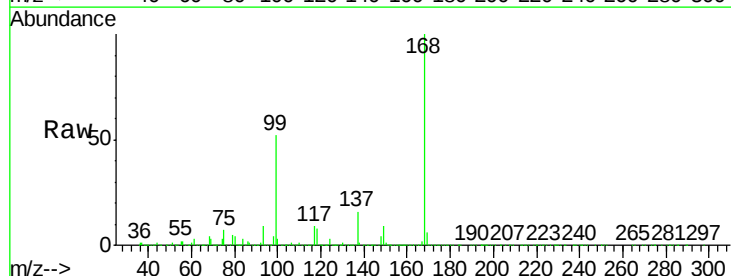
Tgt Ion: 75 Resp: 38086

Ion Ratio Lower Upper

75 100

110 11.4 18.3 54.9#

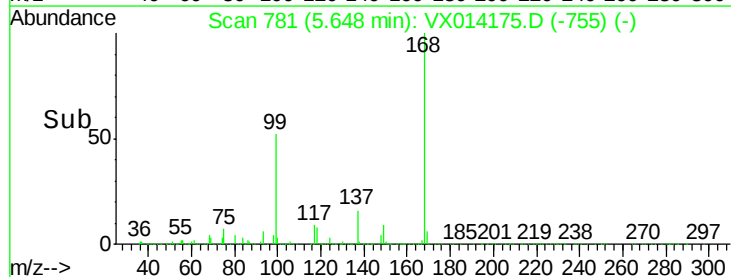
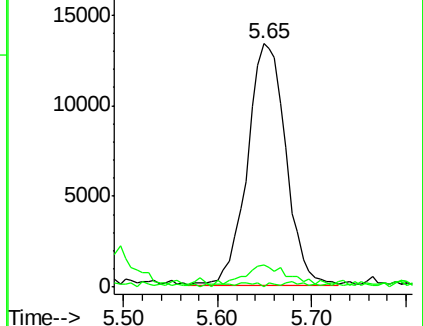
77 0.8 24.8 37.2#

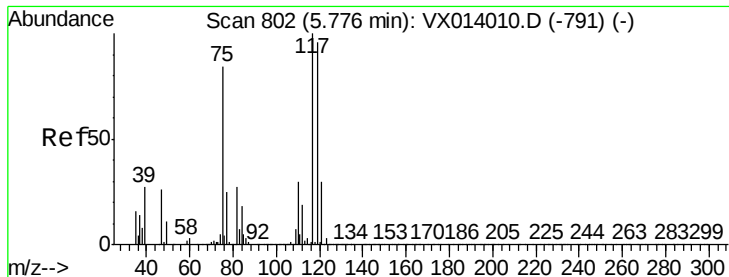


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

MH-G

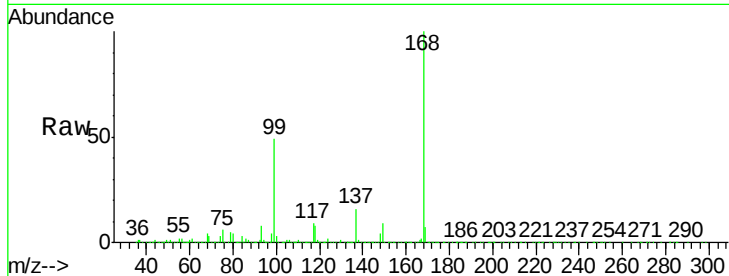
Tgt Ion: 117 Resp: 49597

Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.4#

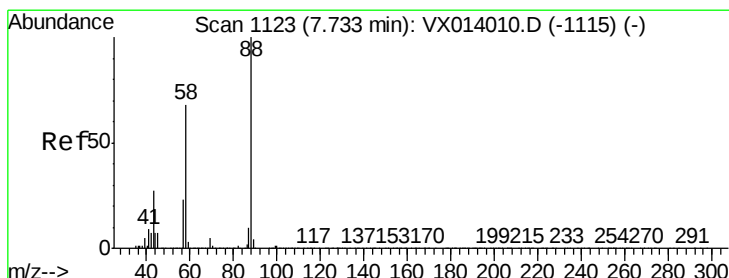
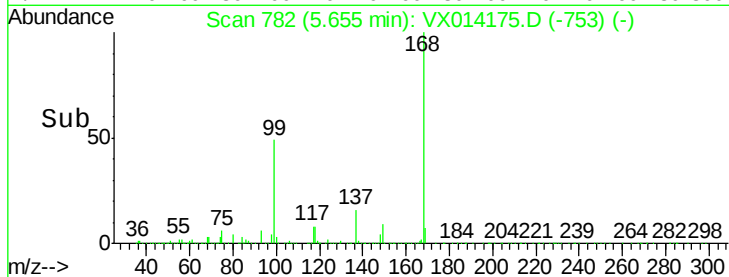
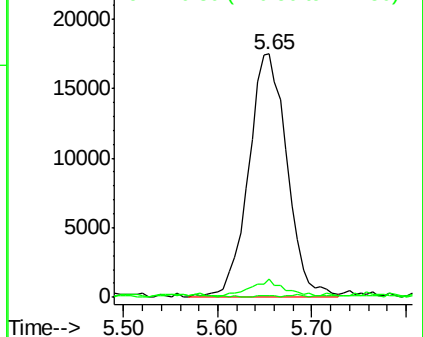
121 0.0 23.6 35.4#



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: 1.571 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

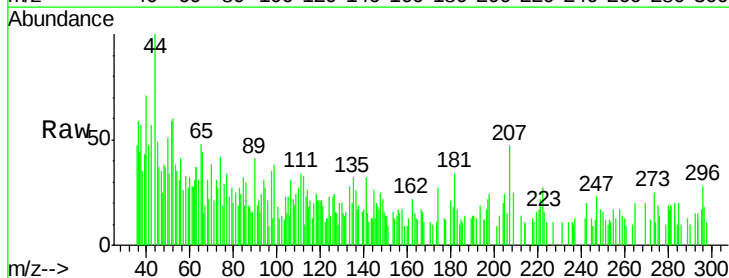
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 234.8 26.5 39.7#

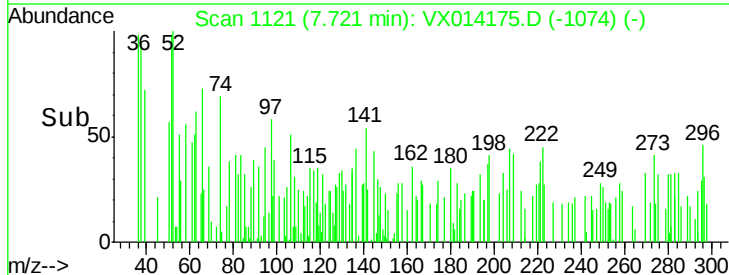
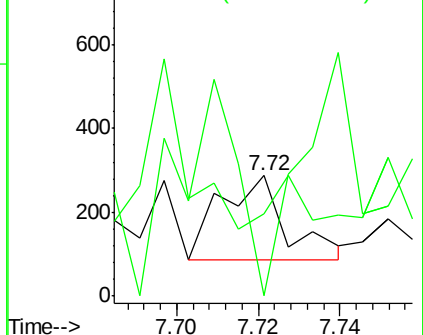
58 0.0 56.8 85.2#

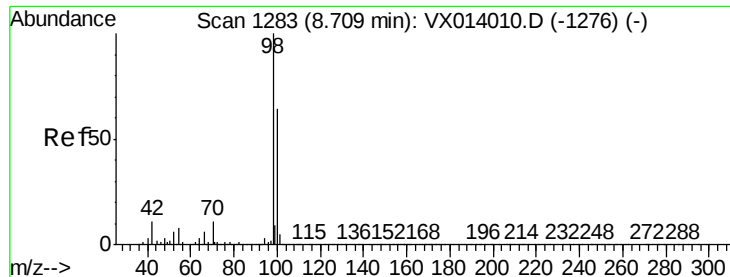


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

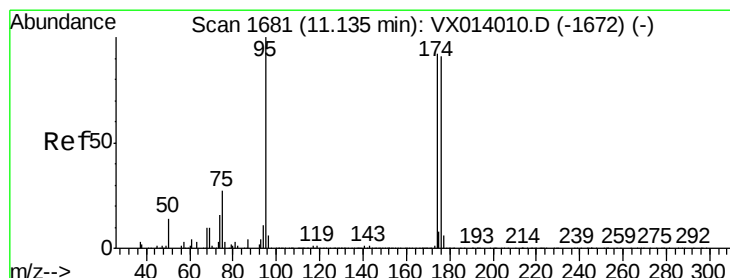
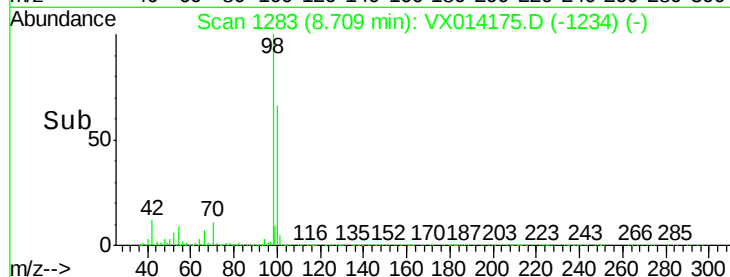
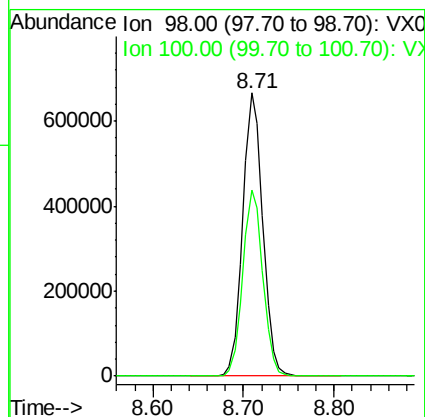
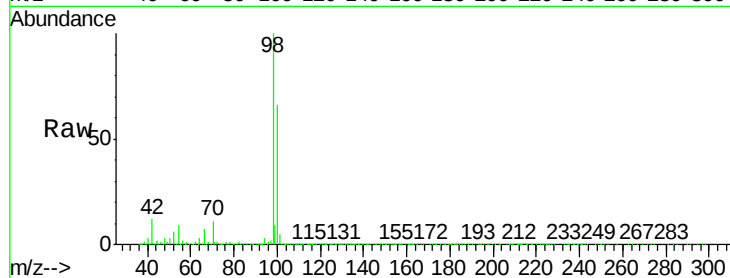
MH-G

Tgt Ion: 98 Resp: 1019464

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.092 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014175.D

Acq: 20 Dec 2019 15:39

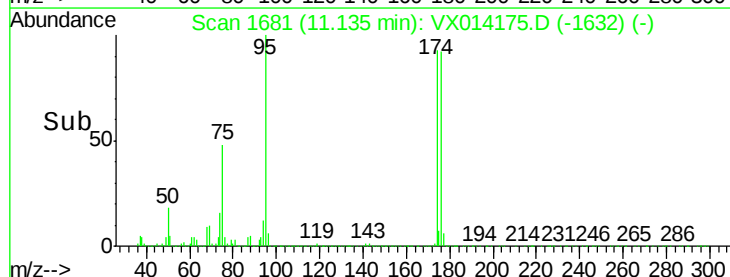
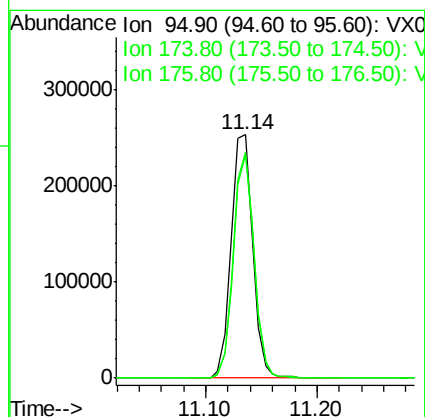
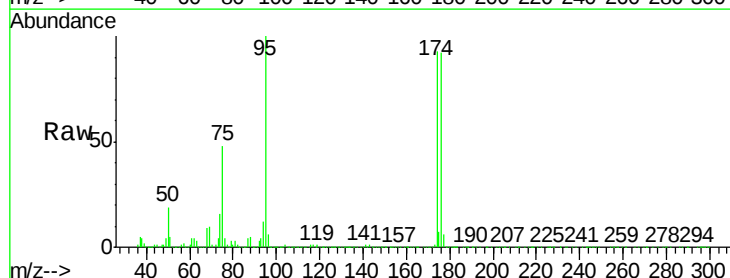
Tgt Ion: 95 Resp: 340332

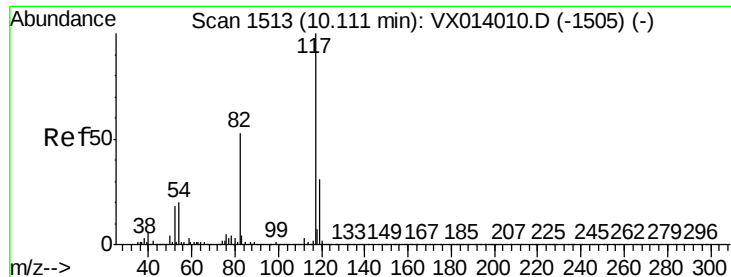
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

176 87.3 0.0 173.0

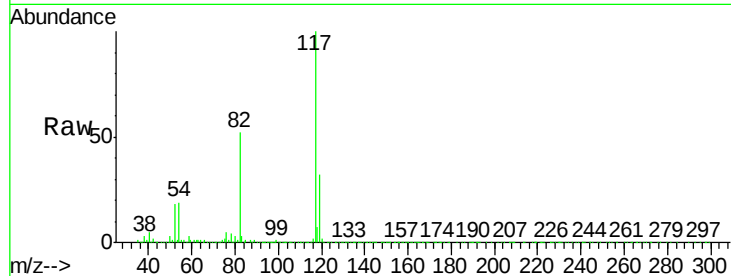




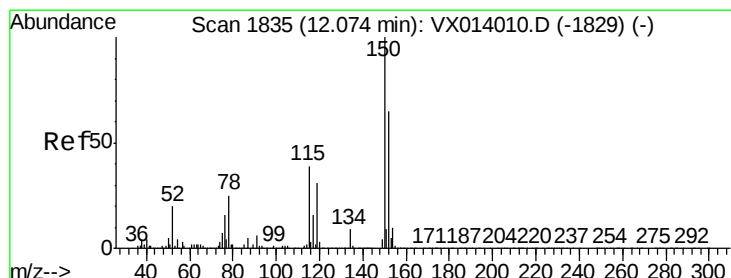
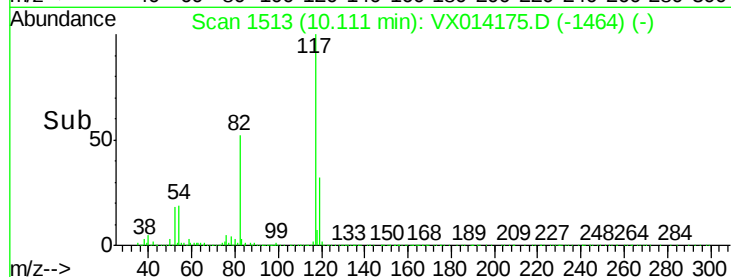
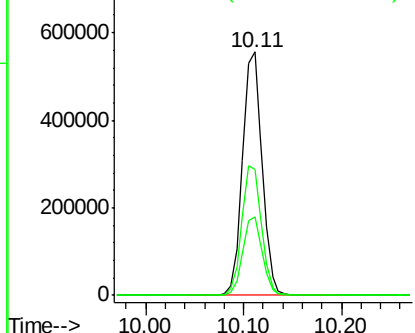
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014175.D
Acq: 20 Dec 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
MH-G

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.2	63.4
119	32.2	25.1	37.7

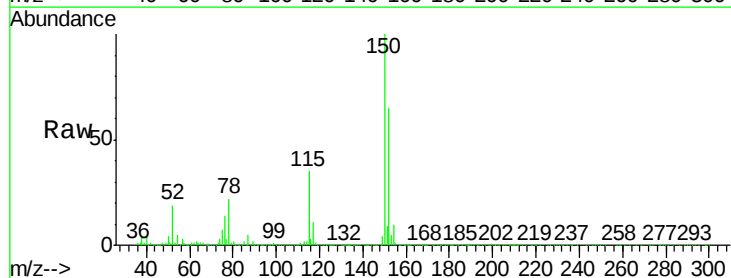


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

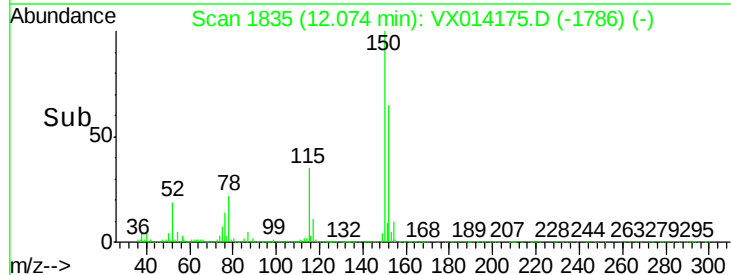
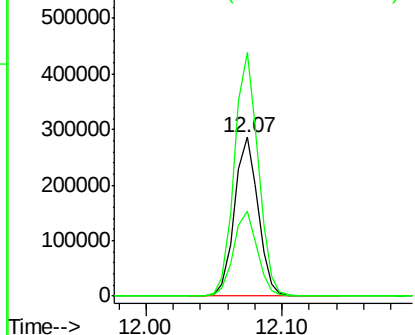


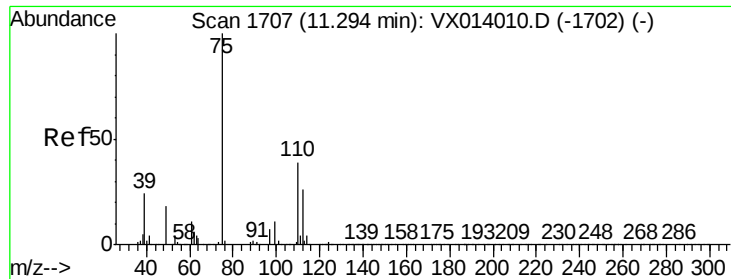
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014175.D
Acq: 20 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.3	114.9
150	154.9	0.0	345.4



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

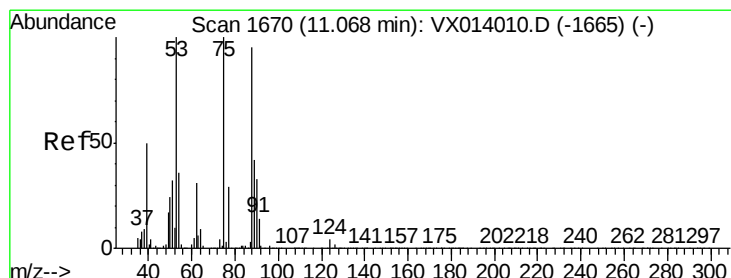
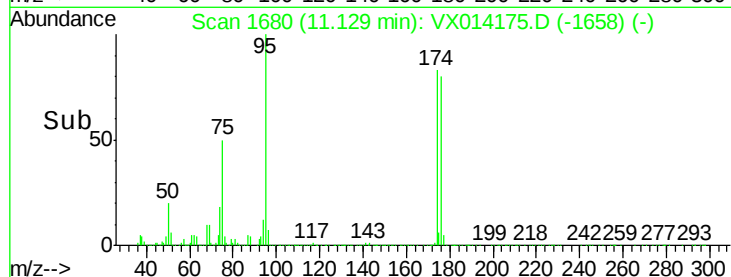
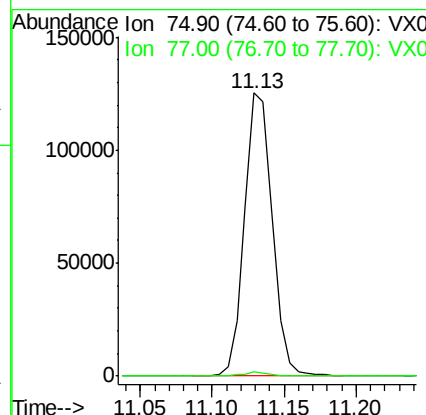
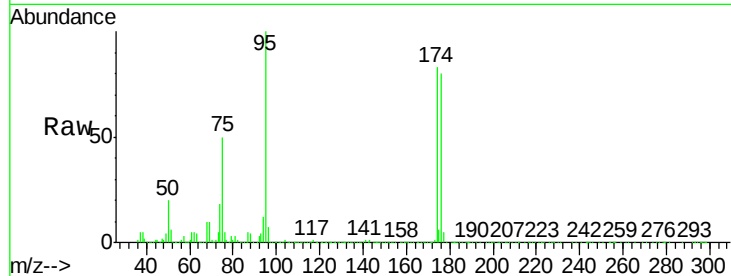




#76
 1,2,3-Trichloropropane
 Concen: 22.311 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014175.D
 Acq: 20 Dec 2019 15:39

Instrument :
 MSVOA_X
 ClientSampled :
 MH-G

Tgt Ion: 75 Resp: 167347
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.3 57.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.974 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014175.D
 Acq: 20 Dec 2019 15:39

Tgt Ion: 75 Resp: 167347
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.7 115.1#
 89 0.2 34.6 51.8#

