

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014285.D
 Acq On : 26 Dec 2019 21:24
 Operator : JC/SP
 Sample : K6434-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

Quant Time: Dec 27 06:06:34 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	527172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	830017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	733211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317450	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	299884	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.48	113	249415	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	975310	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	323532	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

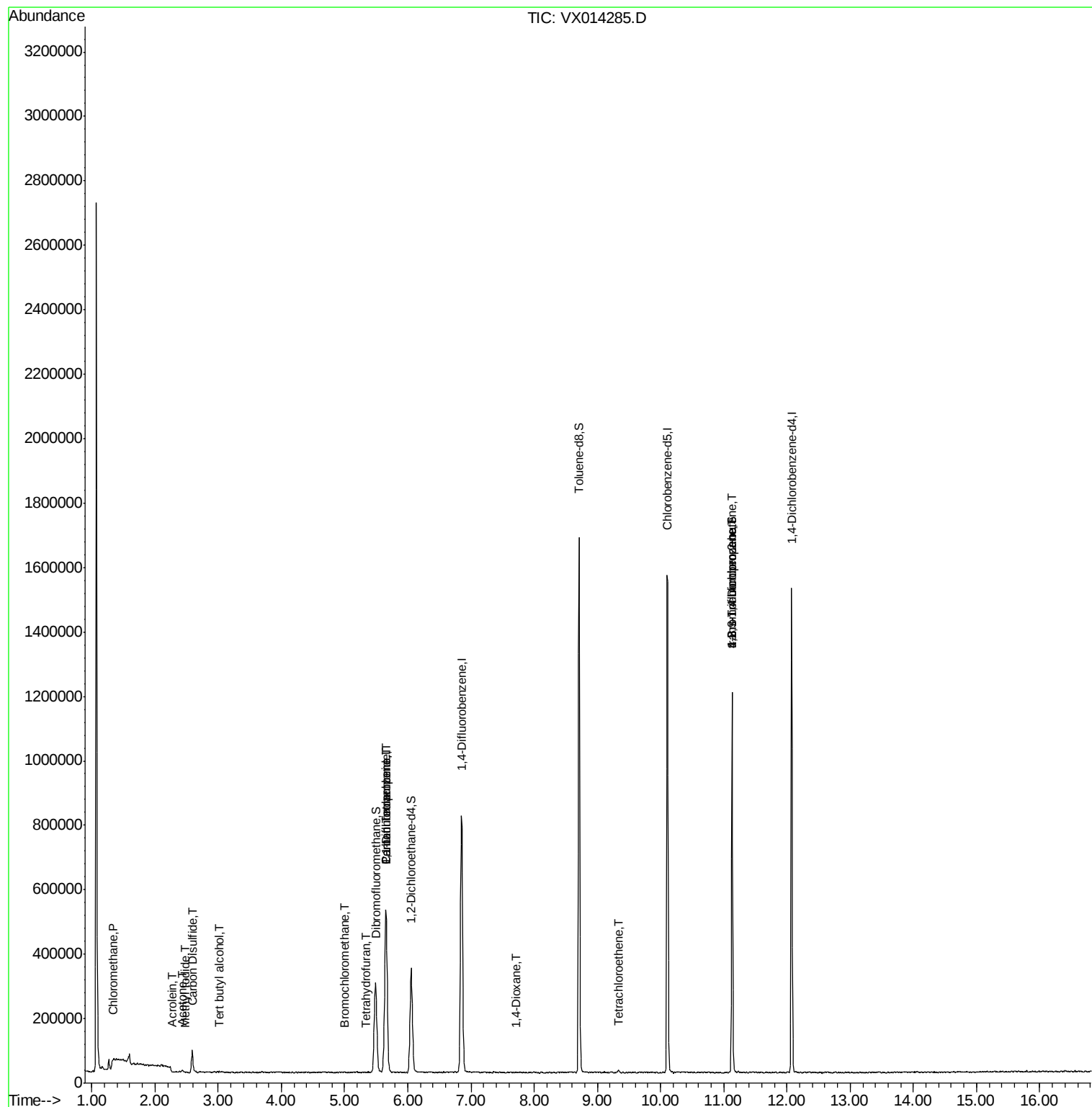
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1272	0.201	ug/l	89
10) Methyl Iodide	2.48	142	132	2.640	ug/l #	1
11) Tert butyl alcohol	3.03	59	3385	2.622	ug/l #	83
13) Acrolein	2.27	56	657	0.889	ug/l #	46
16) Acetone	2.44	43	6968	1.796	ug/l #	88
17) Carbon Disulfide	2.58	76	1479	0.854	ug/l #	84
28) Bromochloromethane	5.00	49	502	0.583	ug/l #	6
29) Tetrahydrofuran	5.34	42	650	0.243	ug/l	96
36) 1,1-Dichloropropene	5.65	75	36193	4.752	ug/l #	41
38) Carbon Tetrachloride	5.65	117	45793	6.600	ug/l #	16
49) 1,4-Dioxane	7.72	88	157	1.132	ug/l #	1
64) Tetrachloroethene	9.34	164	1693	0.261	ug/l #	92
76) 1,2,3-Trichloropropane	11.13	75	159750	23.180	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	159750	65.425	ug/l #	12

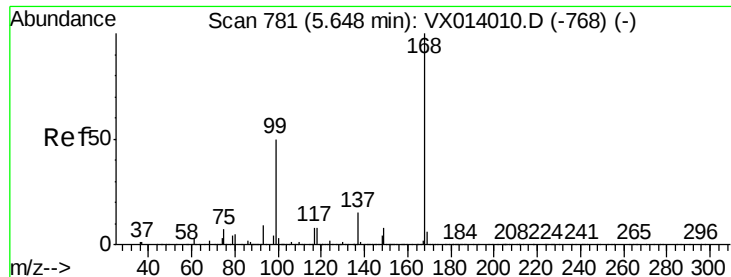
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

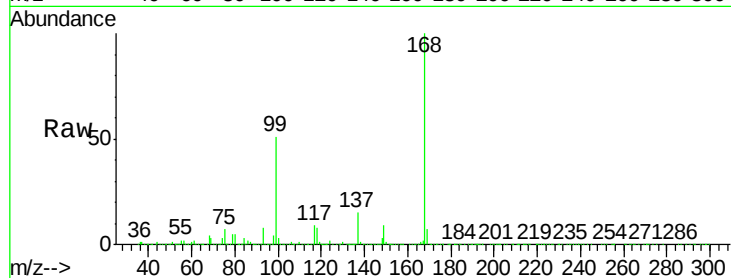
GW-1

Tgt Ion:168 Resp: 527172

Ion Ratio Lower Upper

168 100

99 50.7 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

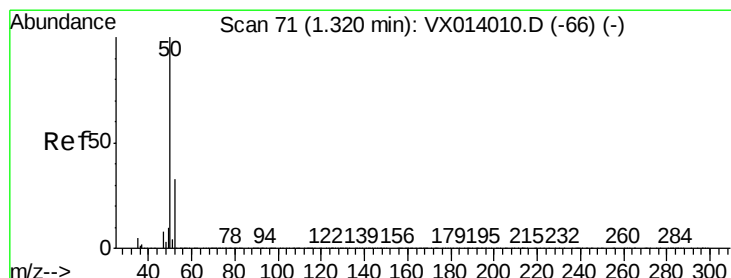
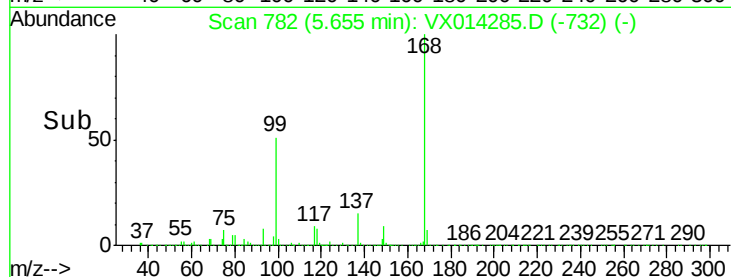
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX014285.D

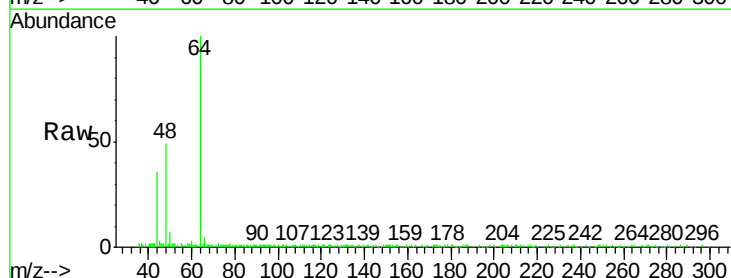
Acq: 26 Dec 2019 21:24

Tgt Ion: 50 Resp: 1272

Ion Ratio Lower Upper

50 100

52 38.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

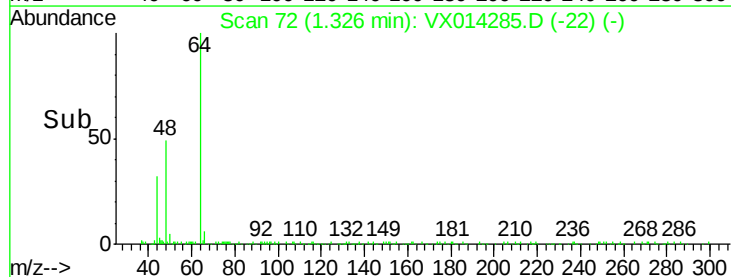
1000

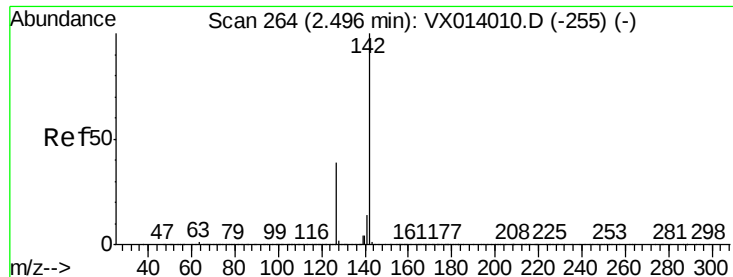
500

0

Time-->

1.30 1.32 1.34

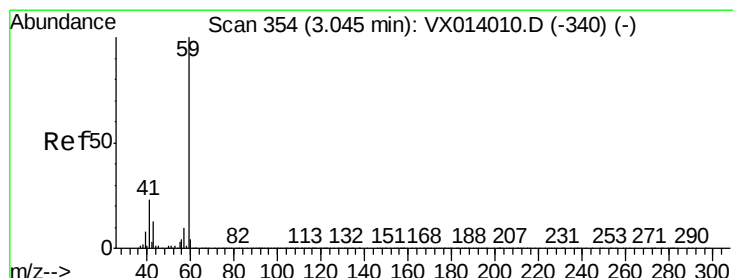
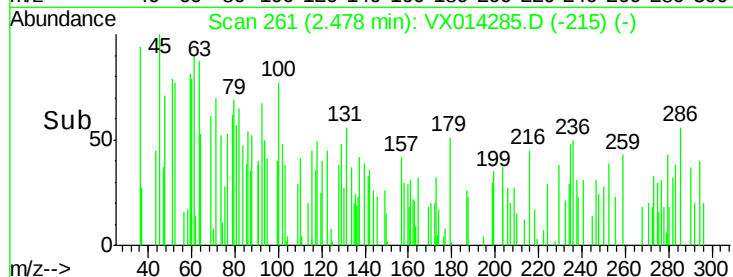
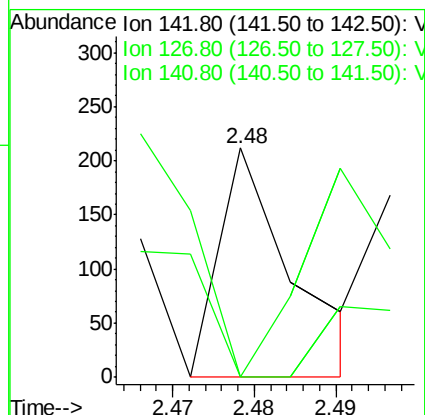
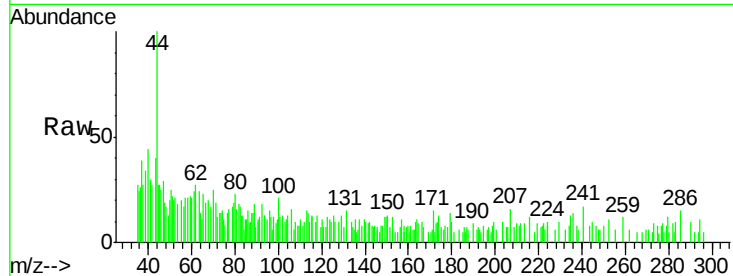




#10
Methyl Iodide
Concen: 2.640 ug/l
RT: 2.48 min Scan# 261
Delta R.T. -0.02 min
Lab File: VX014285.D
Acq: 26 Dec 2019 21:24

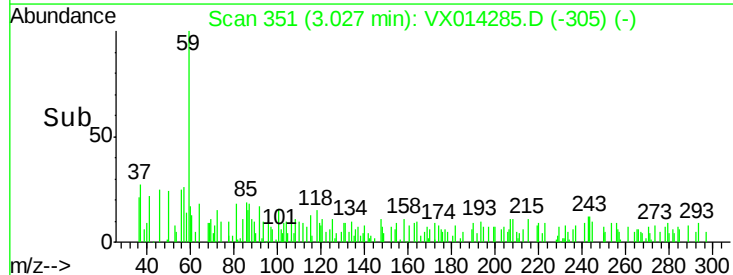
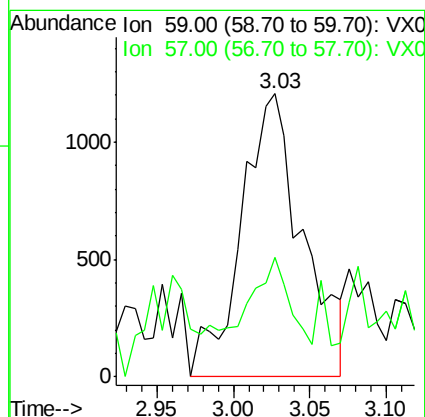
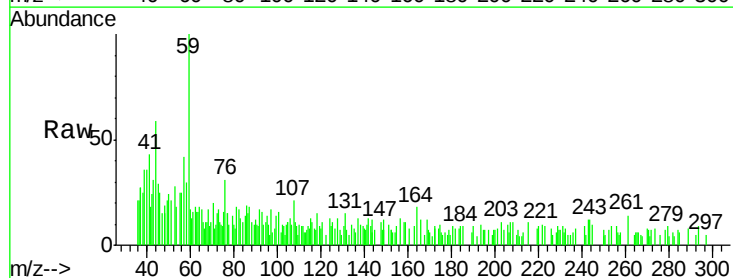
Instrument :
MSVOA_X
ClientSampled :
GW-1

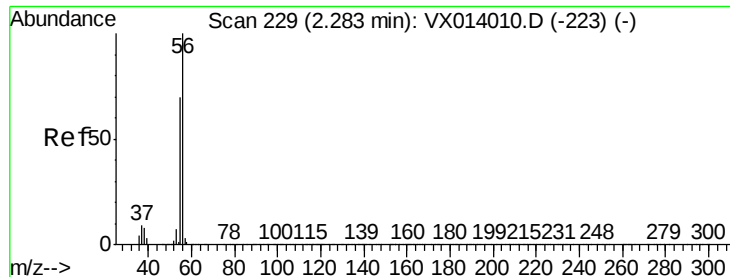
Tgt Ion: 142 Resp: 132
Ion Ratio Lower Upper
142 100
127 126.5 31.6 47.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.622 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014285.D
Acq: 26 Dec 2019 21:24

Tgt Ion: 59 Resp: 3385
Ion Ratio Lower Upper
59 100
57 17.0 8.4 12.6#





#13

Acrolein

Concen: 0.889 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampled :

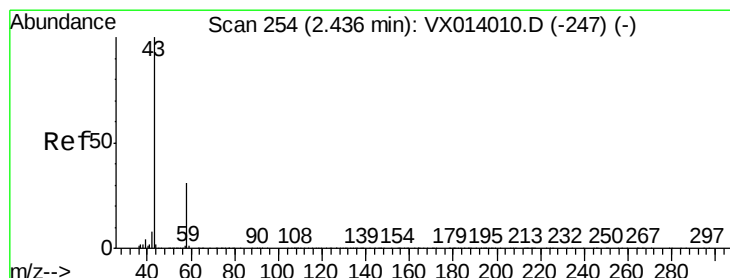
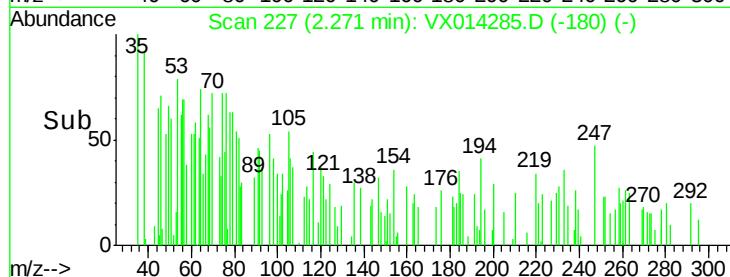
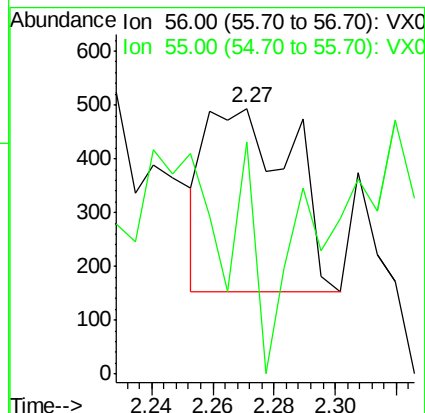
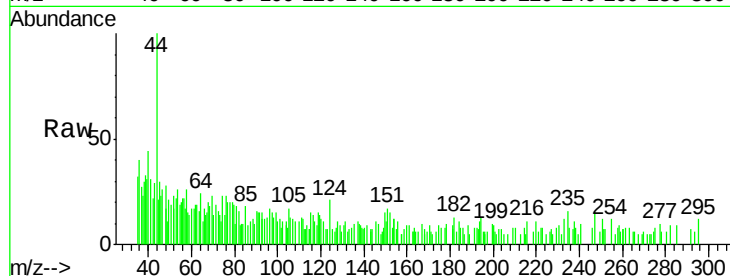
GW-1

Tgt Ion: 56 Resp: 657

Ion Ratio Lower Upper

56 100

55 115.5 56.9 85.3#



#16

Acetone

Concen: 1.796 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014285.D

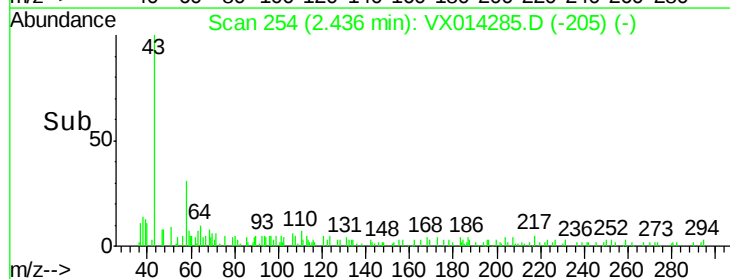
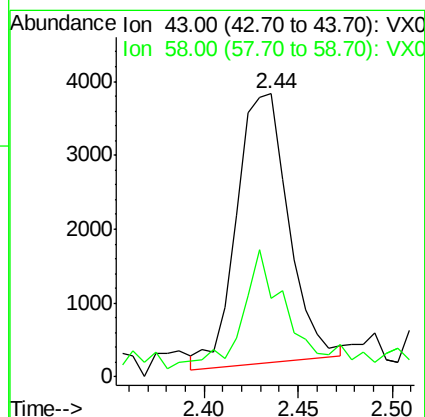
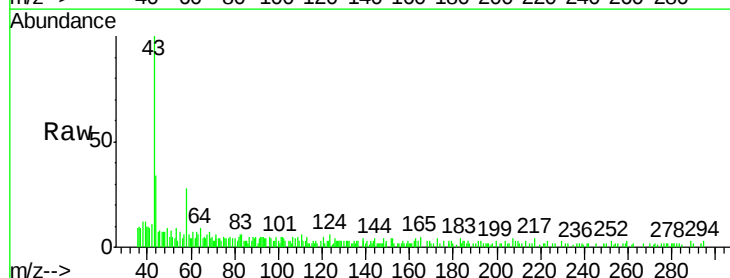
Acq: 26 Dec 2019 21:24

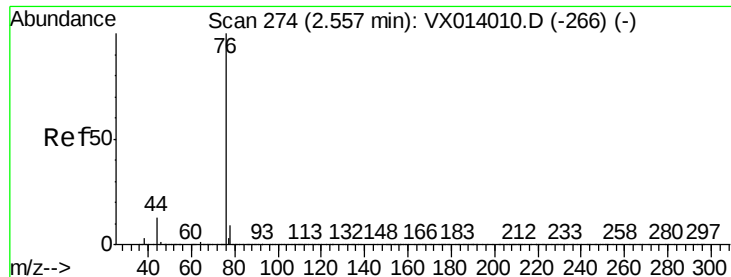
Tgt Ion: 43 Resp: 6968

Ion Ratio Lower Upper

43 100

58 24.2 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.854 ug/l

RT: 2.58 min Scan# 278

Delta R.T. 0.02 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampled :

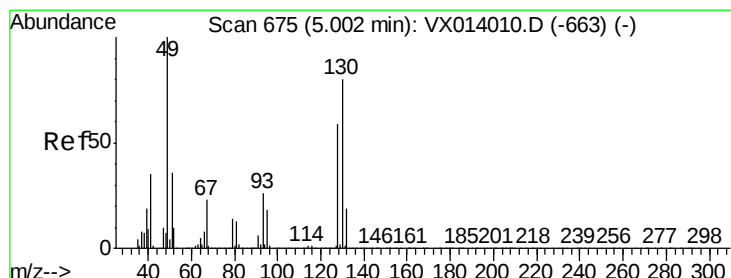
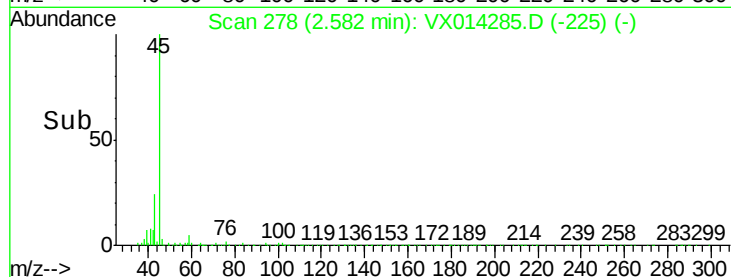
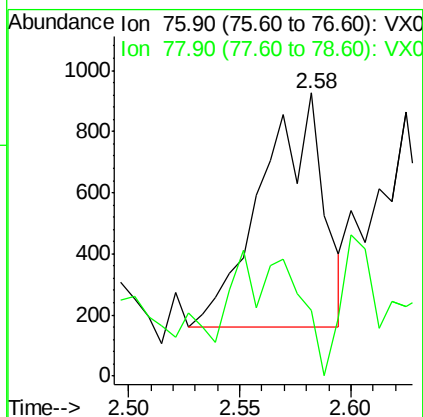
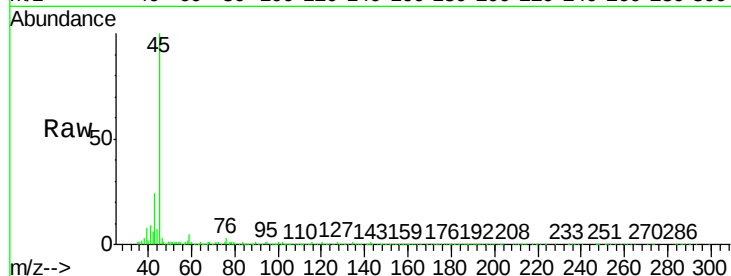
GW-1

Tgt Ion: 76 Resp: 1479

Ion Ratio Lower Upper

76 100

78 3.3 7.2 10.8#



#28

Bromochloromethane

Concen: 0.583 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

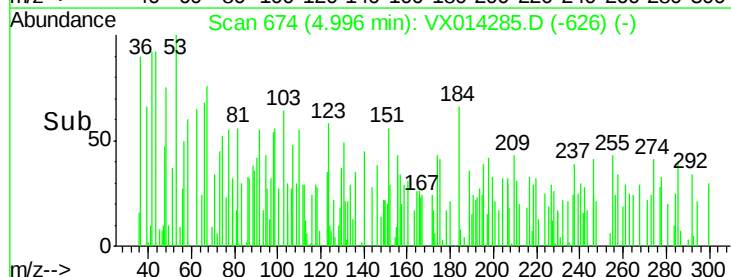
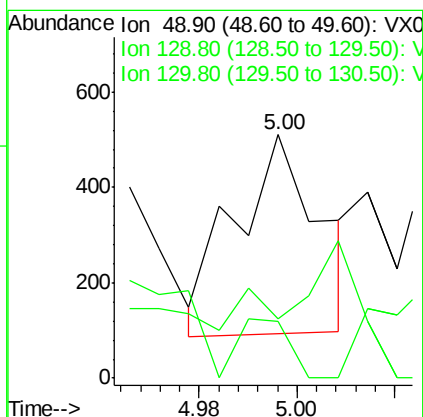
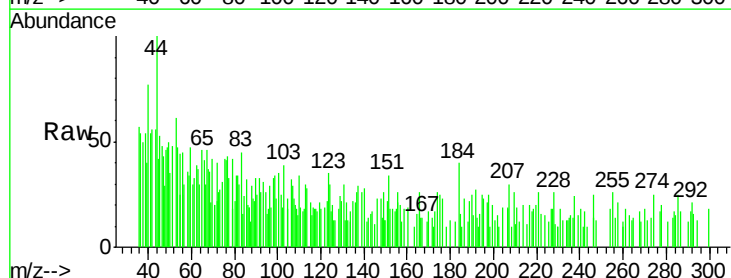
Tgt Ion: 49 Resp: 502

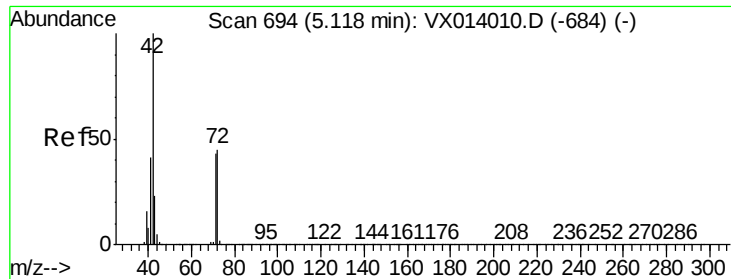
Ion Ratio Lower Upper

49 100

129 65.1 0.0 5.0#

130 0.0 64.6 97.0#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.34 min Scan# 730

Delta R.T. 0.22 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

GW-1

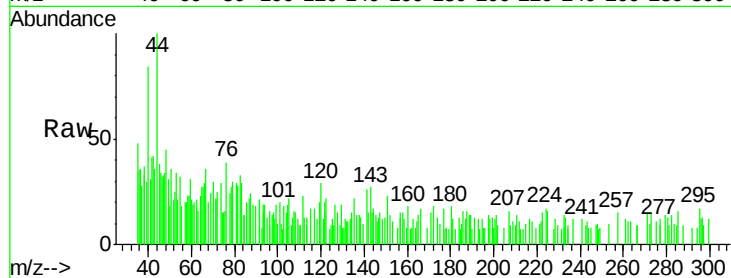
Tgt Ion: 42 Resp: 650

Ion Ratio Lower Upper

42 100

72 42.5 35.8 53.8

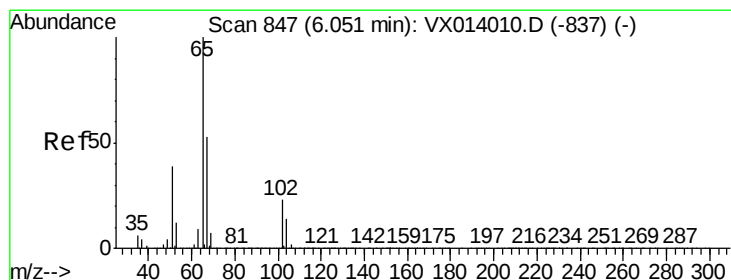
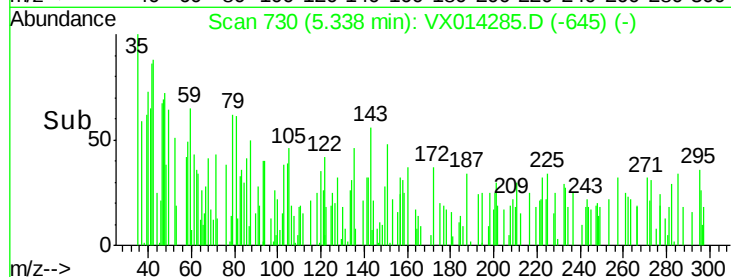
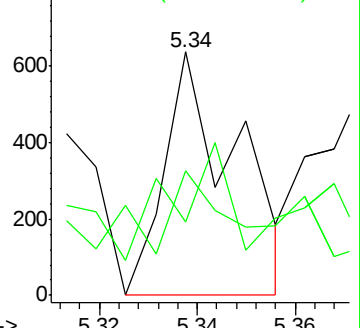
71 44.3 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.192 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014285.D

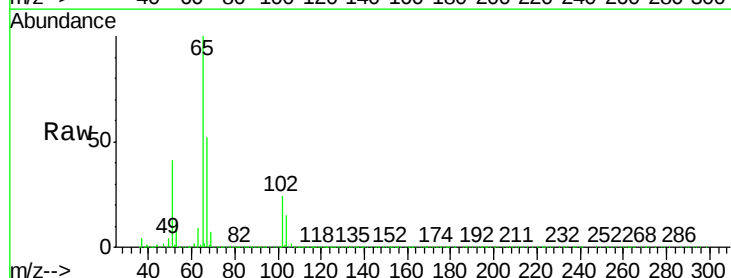
Acq: 26 Dec 2019 21:24

Tgt Ion: 65 Resp: 299884

Ion Ratio Lower Upper

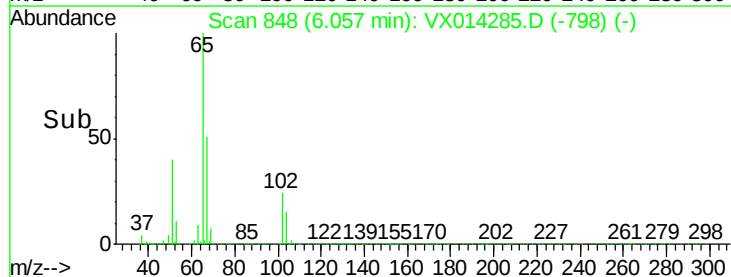
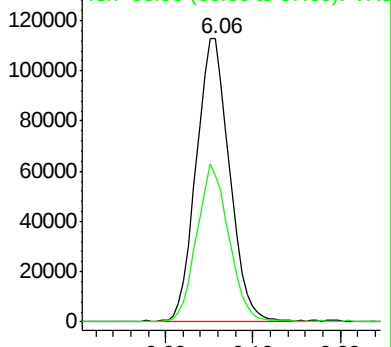
65 100

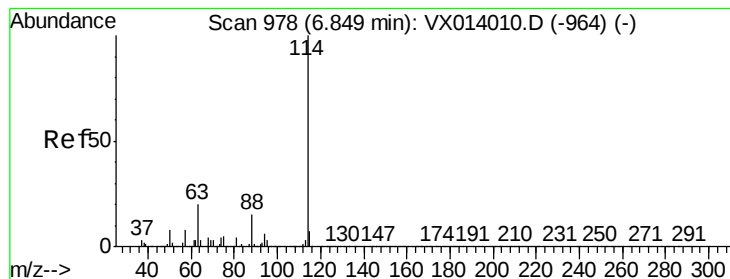
67 53.0 0.0 106.4



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: VX014285.D

Acq: 26 Dec 2019 21:24

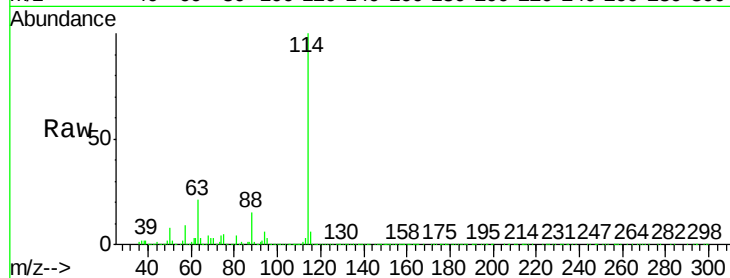
Instrument :

MSVOA_X

ClientSampleId :

GW-1

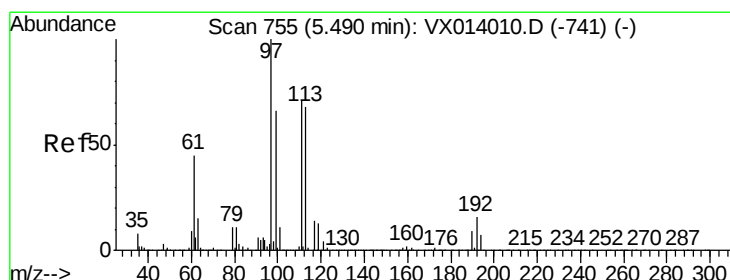
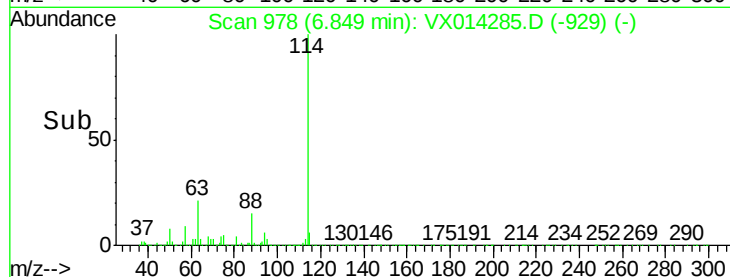
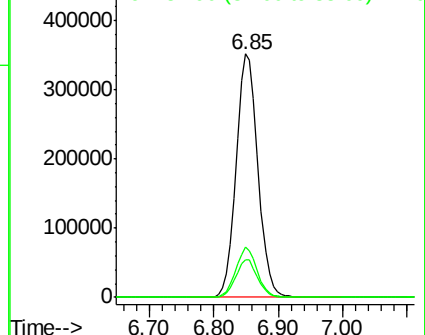
Tgt Ion:	114	Resp:	830017
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.4	0.0	30.4



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: 49.432 ug/l

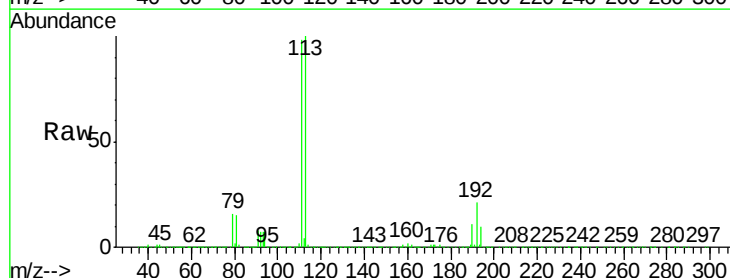
RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

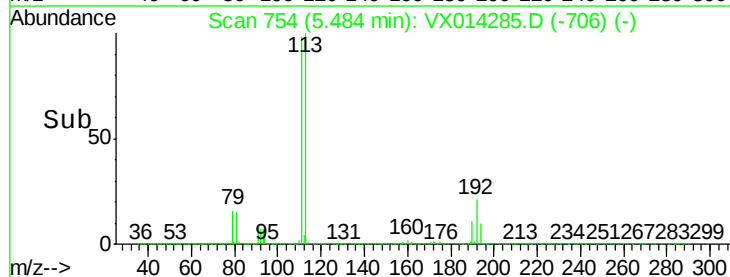
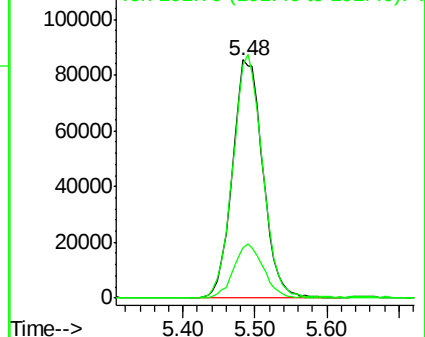
Tgt Ion:	113	Resp:	249415
Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.0	123.0
192	22.4	19.3	28.9

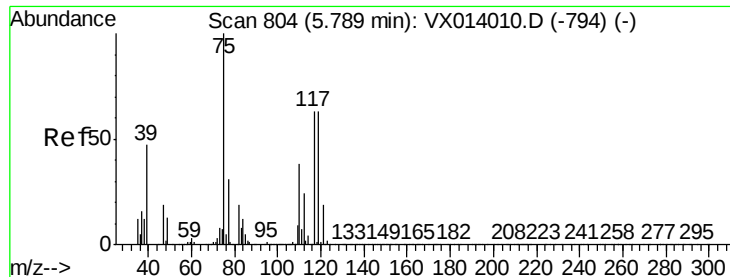


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

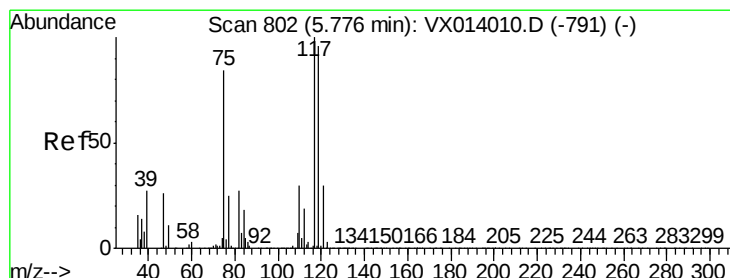
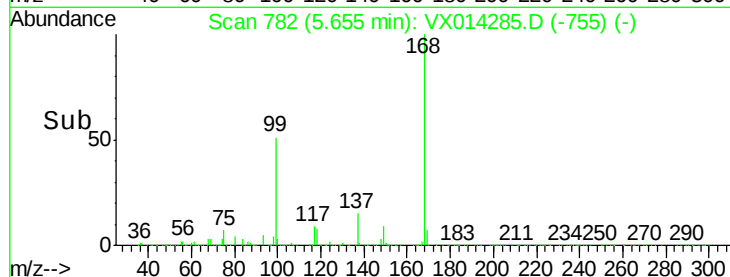
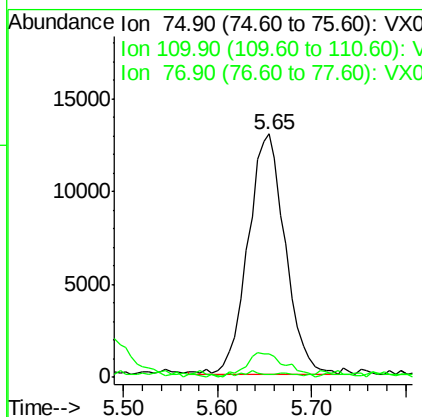
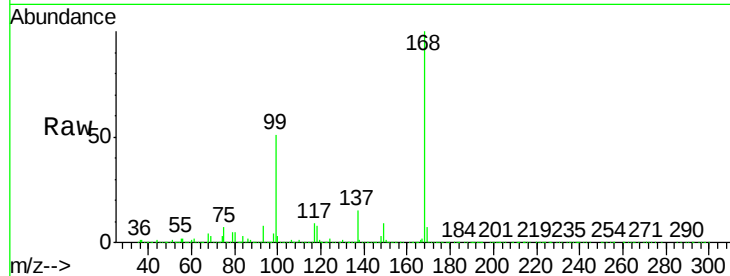




#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014285.D
 Acq: 26 Dec 2019 21:24

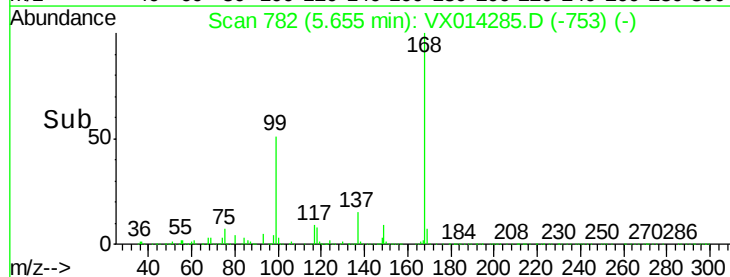
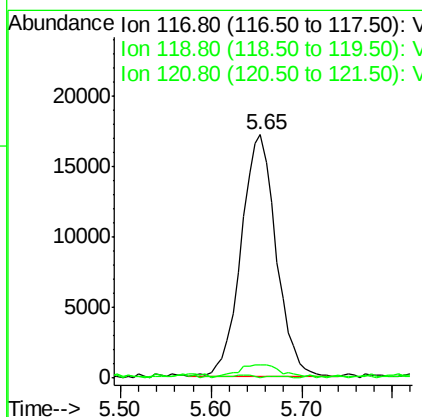
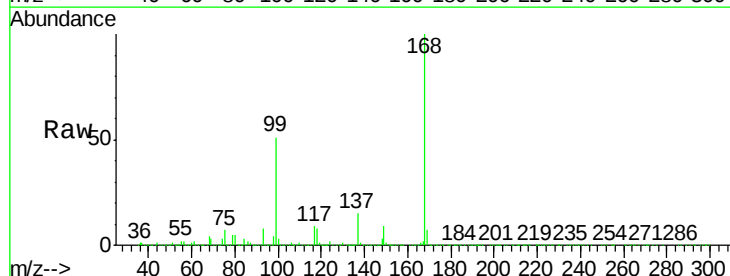
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

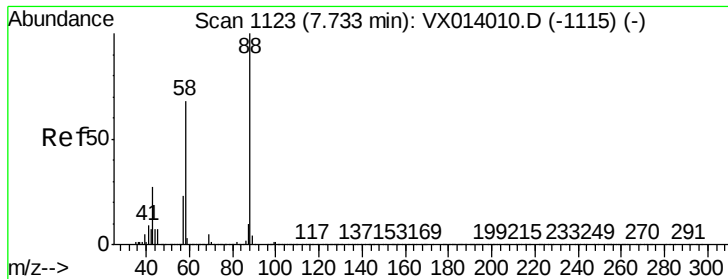
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.600 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014285.D
 Acq: 26 Dec 2019 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.4#
121	0.3	23.6	35.4#

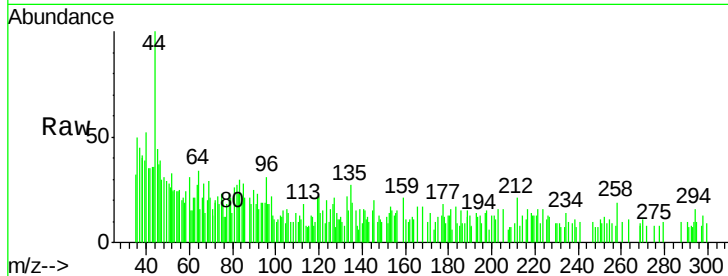




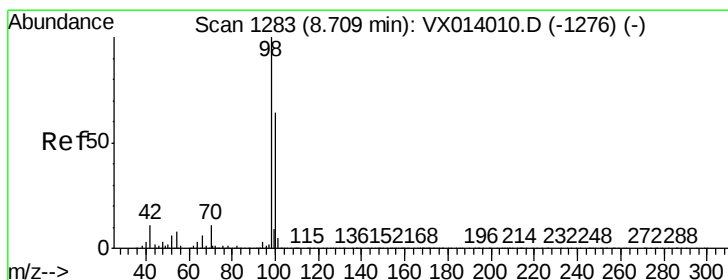
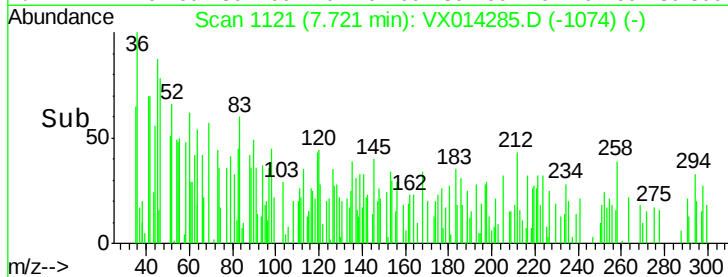
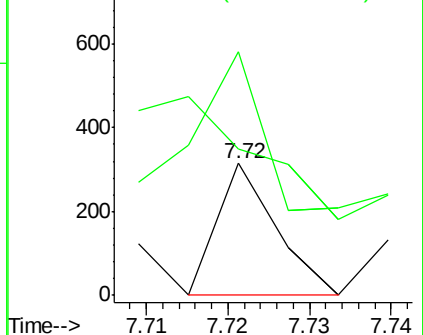
#49
1,4-Dioxane
Concen: 1.132 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014285.D
Acq: 26 Dec 2019 21:24

Instrument :
MSVOA_X
ClientSampled :
GW-1

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 487.9 26.5 39.7#
58 926.1 56.8 85.2#

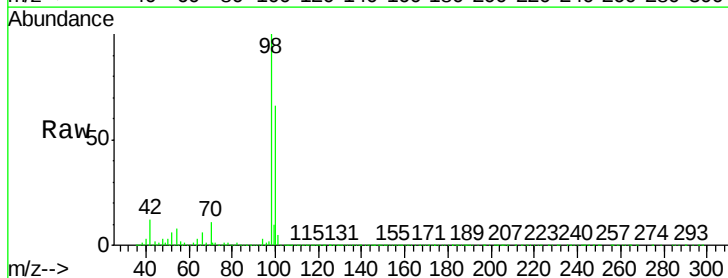


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

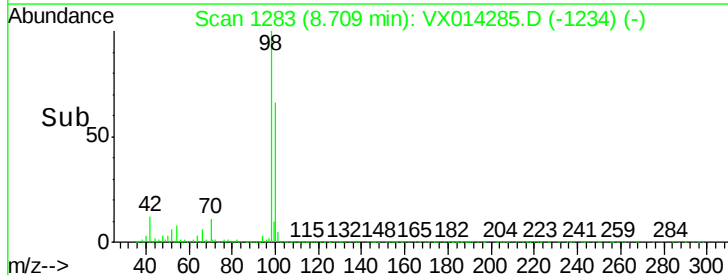
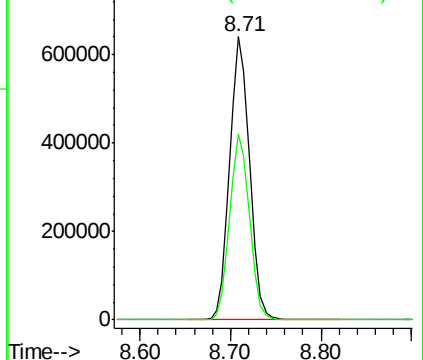


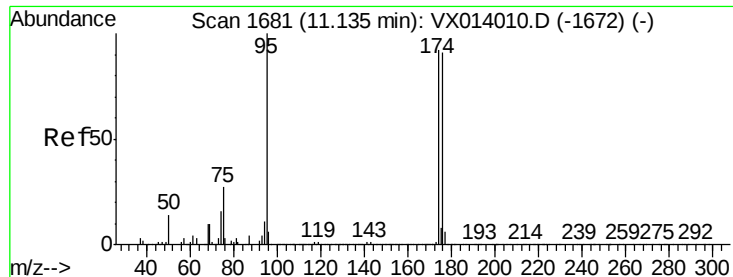
#50
Toluene-d8
Concen: 49.650 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014285.D
Acq: 26 Dec 2019 21:24

Tgt Ion: 98 Resp: 975310
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.056 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

GW-1

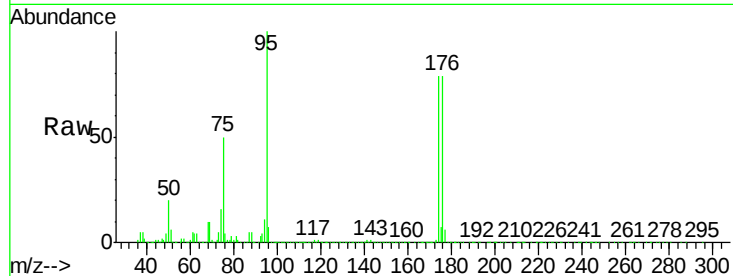
Tgt Ion: 95 Resp: 323532

Ion Ratio Lower Upper

95 100

174 87.3 0.0 175.8

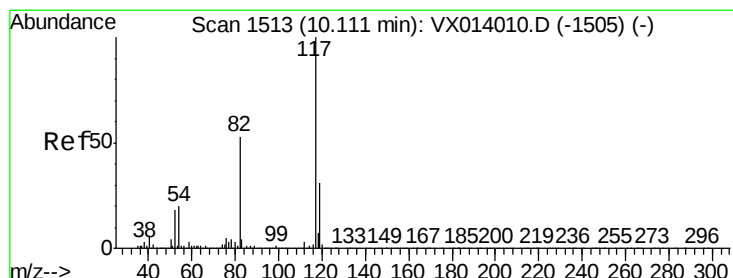
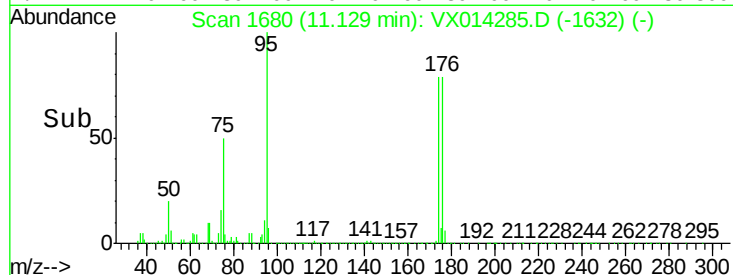
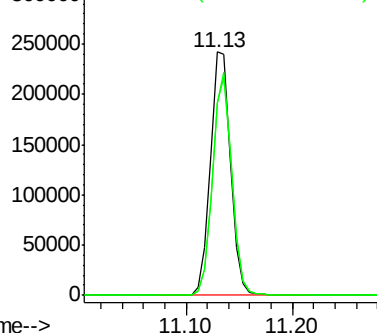
176 85.8 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

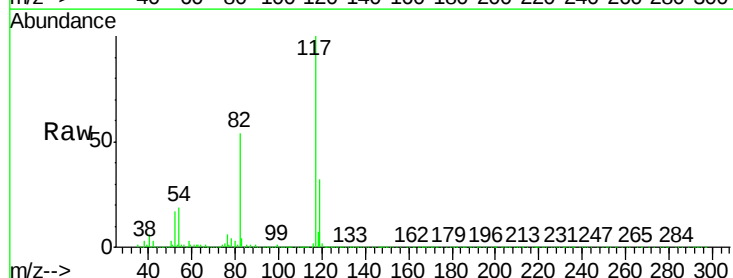
Tgt Ion: 117 Resp: 733211

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

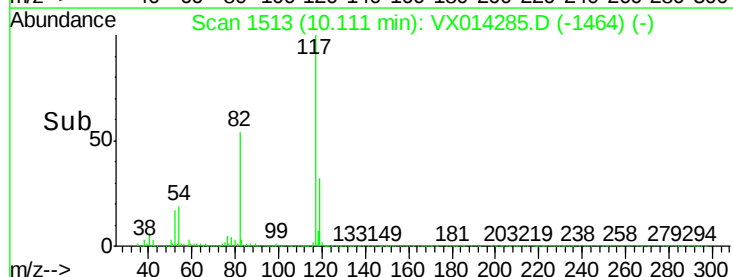
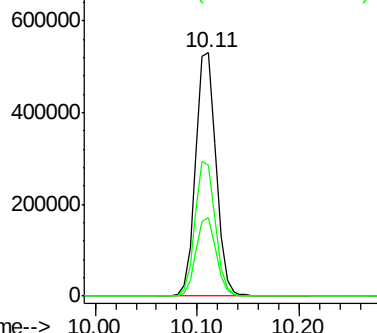
119 32.3 25.1 37.7

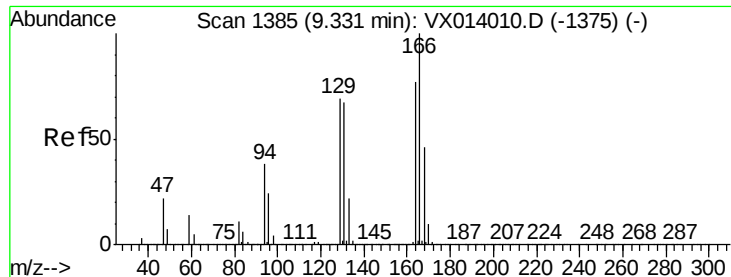


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.261 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampleId :

GW-1

Tgt Ion:164 Resp: 1693

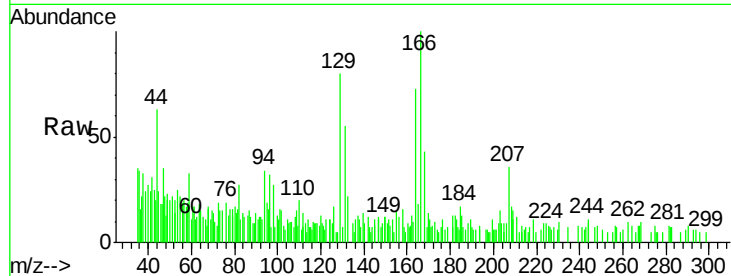
Ion Ratio Lower Upper

164 100

166 128.1 104.0 156.0

129 95.7 72.2 108.4

131 67.1 69.6 104.4#

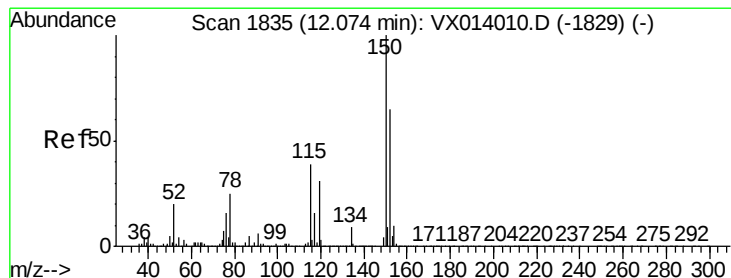
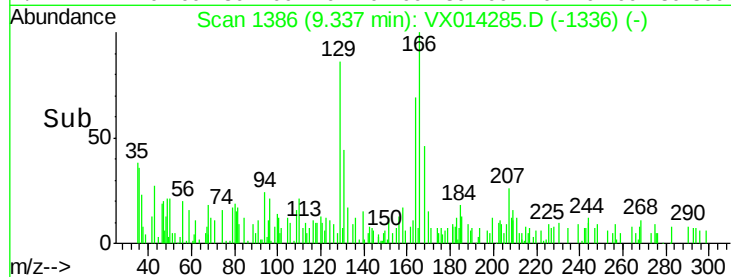
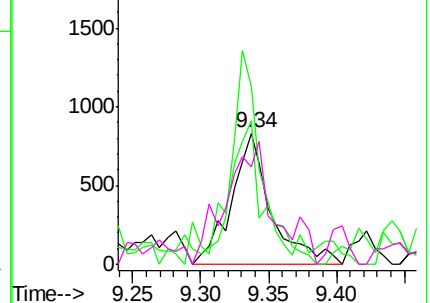


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX014285.D

Acq: 26 Dec 2019 21:24

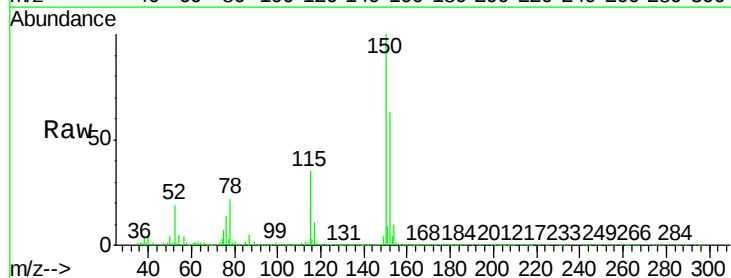
Tgt Ion:152 Resp: 317450

Ion Ratio Lower Upper

152 100

115 56.0 38.3 114.9

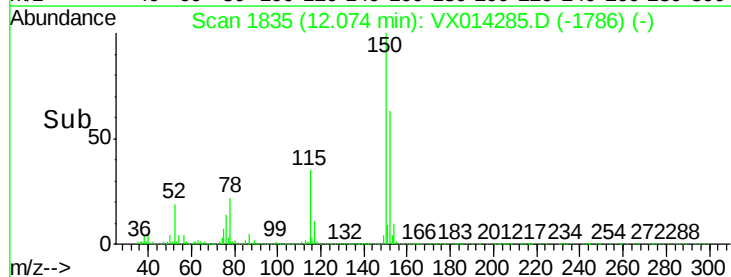
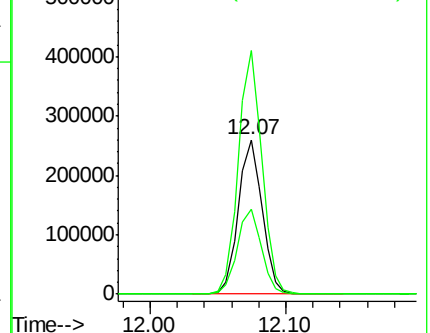
150 156.1 0.0 345.4

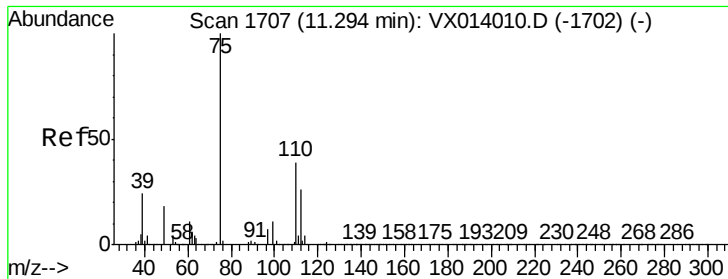


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.180 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Instrument :

MSVOA_X

ClientSampled :

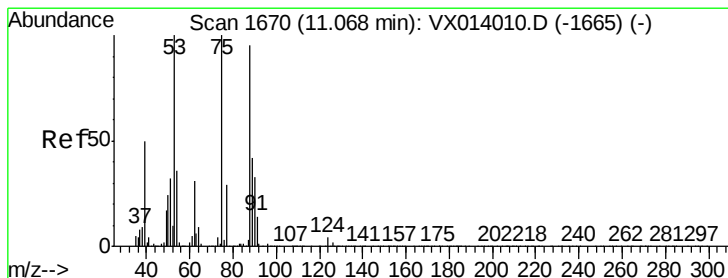
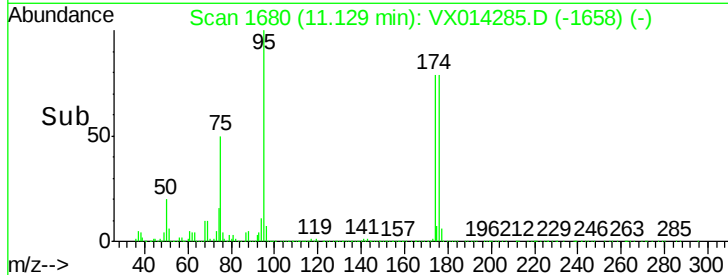
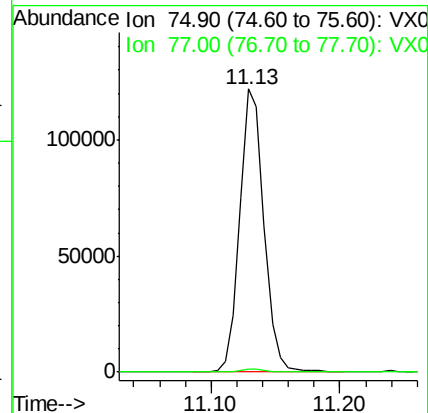
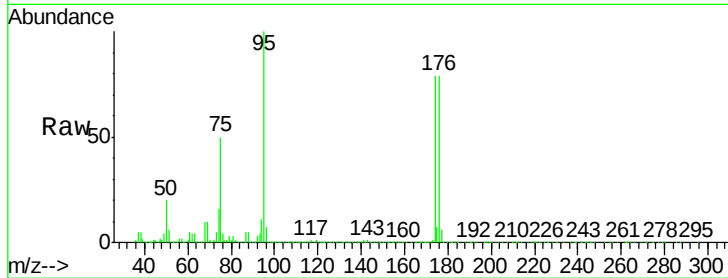
GW-1

Tgt Ion: 75 Resp: 159750

Ion Ratio Lower Upper

75 100

77 1.3 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.425 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014285.D

Acq: 26 Dec 2019 21:24

Tgt Ion: 75 Resp: 159750

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.3 34.6 51.8#

