

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013759.D
 Acq On : 04 Dec 2019 19:00
 Operator : JC/SP
 Sample : K6098-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWL-C6-GW

Quant Time: Dec 05 00:59:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	700094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1046292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	936674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	451644	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	378149	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	5.48	113	316185	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	8.71	98	1234974	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	431424	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

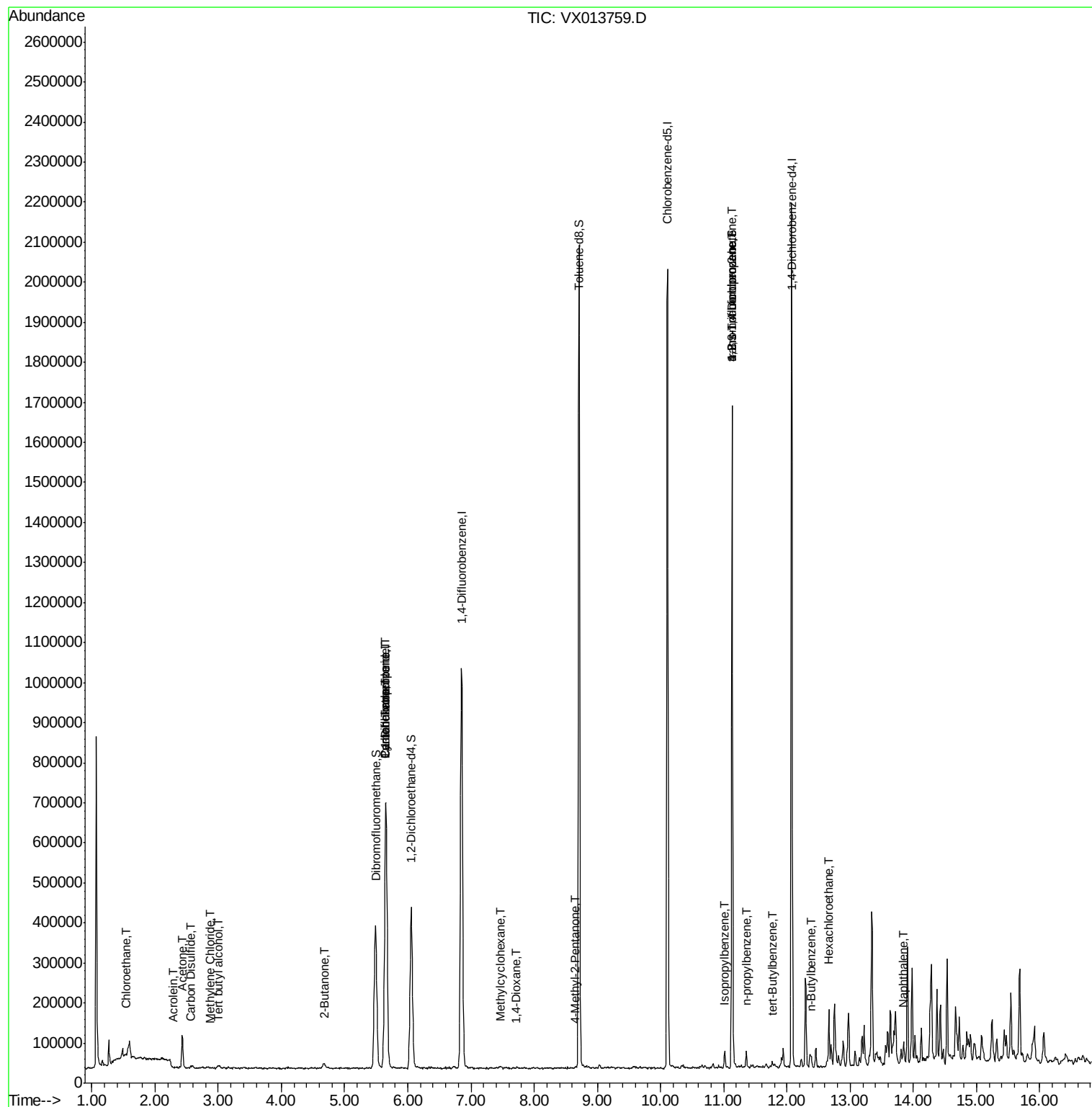
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.54	64	5130	0.916	ug/l #	43
11) Tert butyl alcohol	3.01	59	6471	3.226	ug/l #	82
13) Acrolein	2.29	56	617	6.453	ug/l #	49
16) Acetone	2.43	43	87288	21.756	ug/l	97
17) Carbon Disulfide	2.56	76	7222	0.380	ug/l #	77
20) Methylene Chloride	2.86	84	1556	0.202	ug/l #	41
25) 2-Butanone	4.67	43	21745	3.647	ug/l #	90
31) Cyclohexane	5.65	56	11696	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	47415	4.992	ug/l #	51
38) Carbon Tetrachloride	5.65	117	59978	6.849	ug/l #	15
39) Methylcyclohexane	7.46	83	3018	0.257	ug/l	92
49) 1,4-Dioxane	7.72	88	124	0.650	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2257	0.205	ug/l	91
73) Isopropylbenzene	11.01	105	23272	0.735	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	212538	20.923	ug/l #	39
78) n-propylbenzene	11.35	91	26365	0.745	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.13	75	212538	57.241	ug/l #	11
83) tert-Butylbenzene	11.76	119	6879	0.261	ug/l	73
89) n-Butylbenzene	12.39	91	11253	0.471	ug/l #	78
90) Hexachloroethane	12.67	117	6604	1.303	ug/l #	7
95) Naphthalene	13.83	128	9886	0.323	ug/l #	76

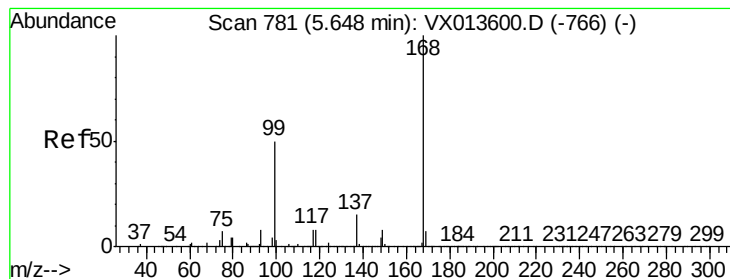
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
OWL-C6-GW

Quant Time: Dec 05 00:59:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

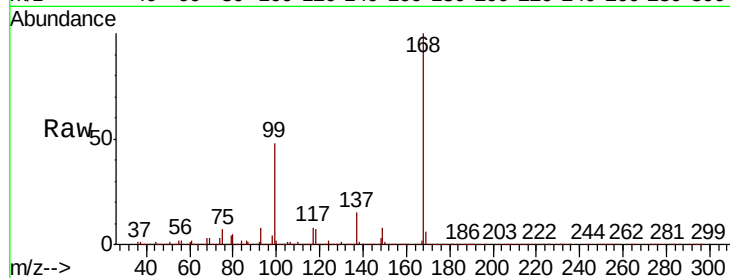
OWL-C6-GW

Tot Ion:168 Resp: 700094

Ion Ratio Lower Upper

168 100

99 48.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

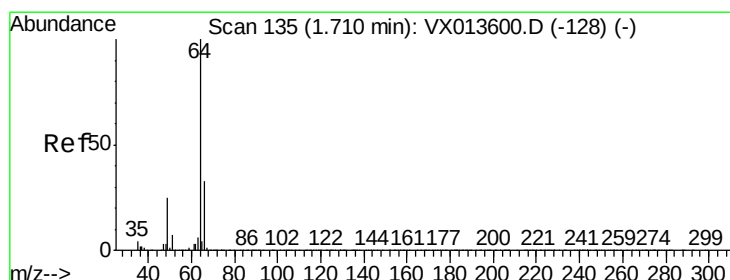
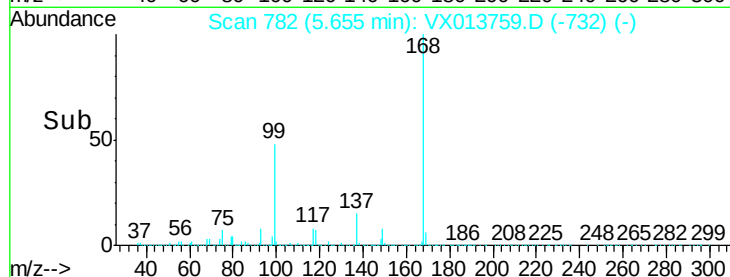
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.916 ug/l

RT: 1.54 min Scan# 107

Delta R.T. -0.17 min

Lab File: VX013759.D

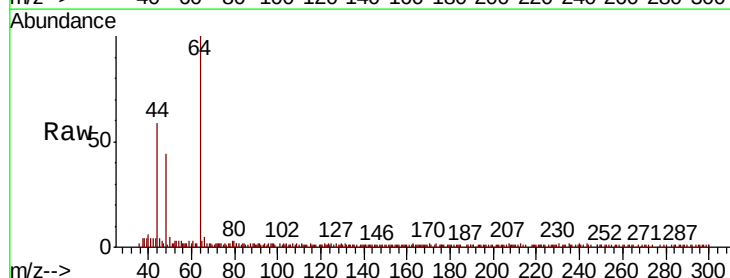
Acq: 04 Dec 2019 19:00

Tgt Ion: 64 Resp: 5130

Ion Ratio Lower Upper

64 100

66 1.0 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

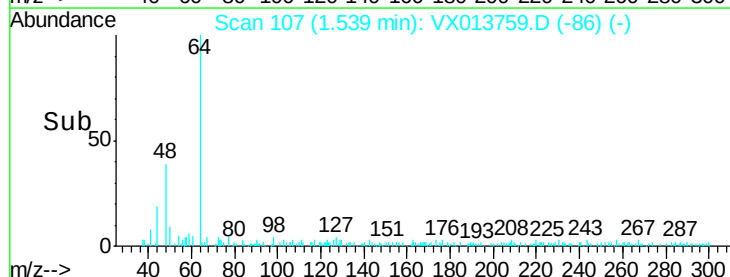
1.54

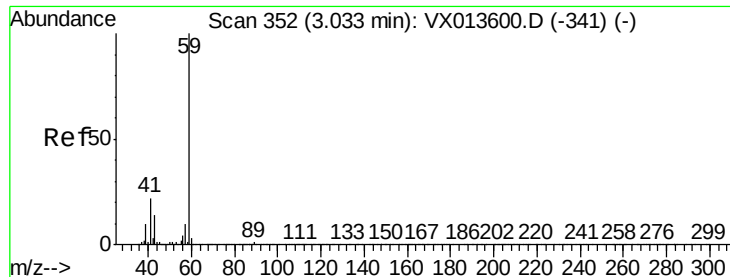
10000

5000

0

Time-->



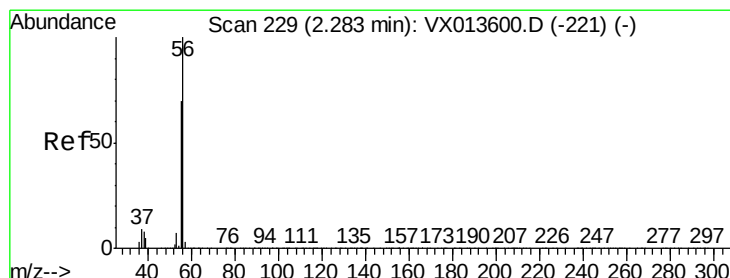
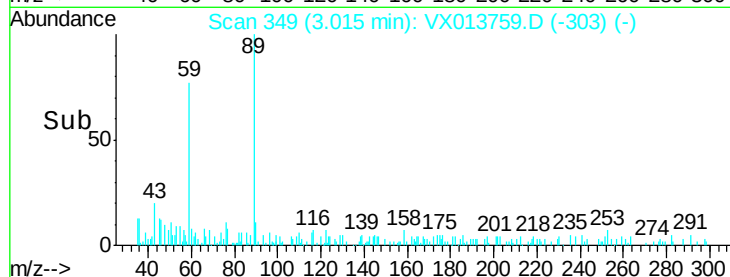
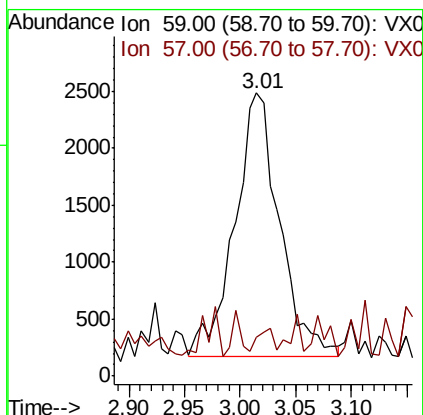
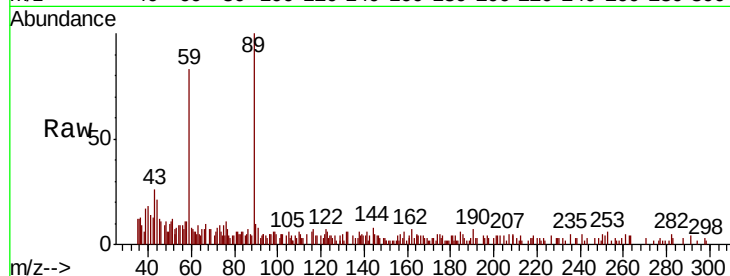


#11

Tert butyl alcohol
Concen: 3.226 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Instrument :
MSVOA_X
ClientSampled :
OWL-C6-GW

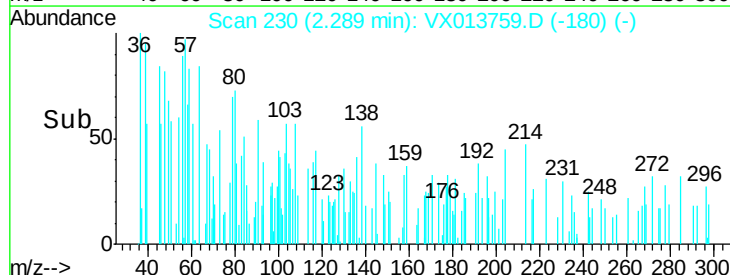
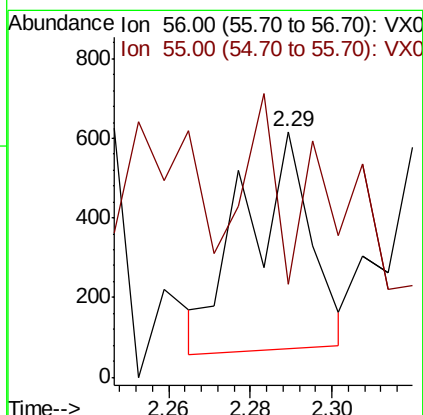
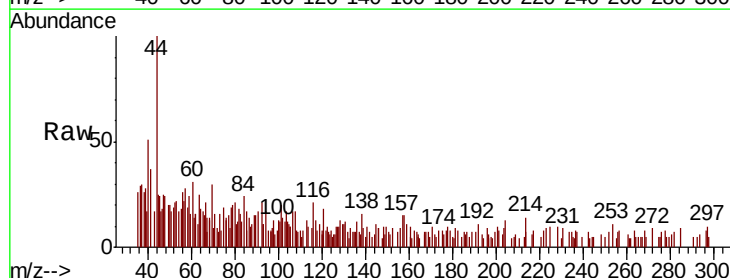
Tot Ion: 59 Resp: 6471
Ion Ratio Lower Upper
59 100
57 3.0 7.8 11.6#

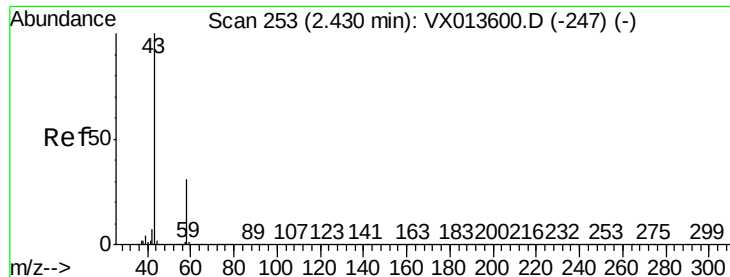


#13

Acrolein
Concen: 6.453 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Tgt Ion: 56 Resp: 617
Ion Ratio Lower Upper
56 100
55 28.4 56.2 84.4#





#16

Acetone

Concen: 21.756 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

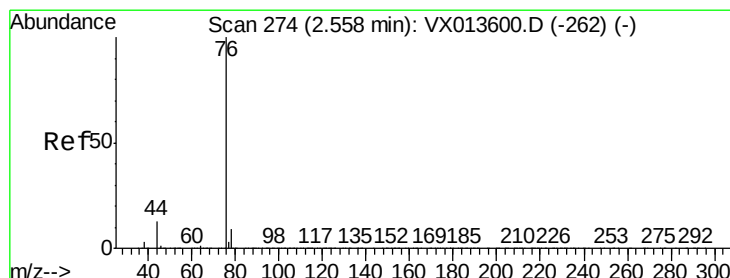
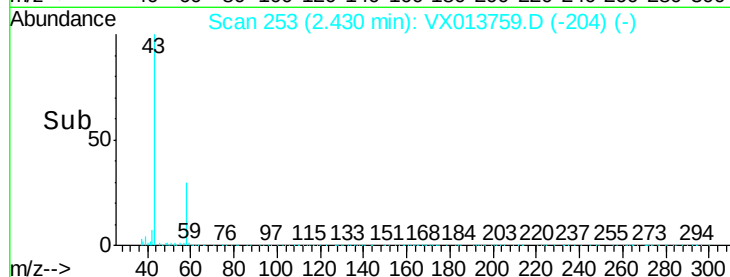
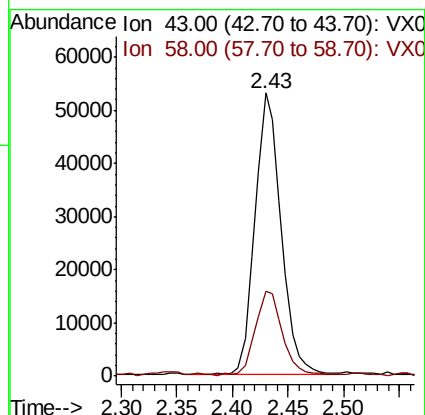
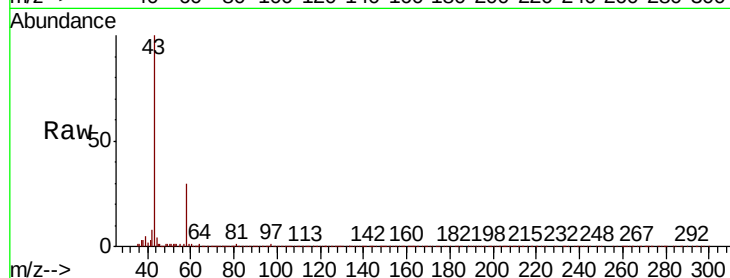
OWL-C6-GW

Tot Ion: 43 Resp: 87288

Ion Ratio Lower Upper

43 100

58 29.3 24.6 36.8



#17

Carbon Disulfide

Concen: 0.380 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013759.D

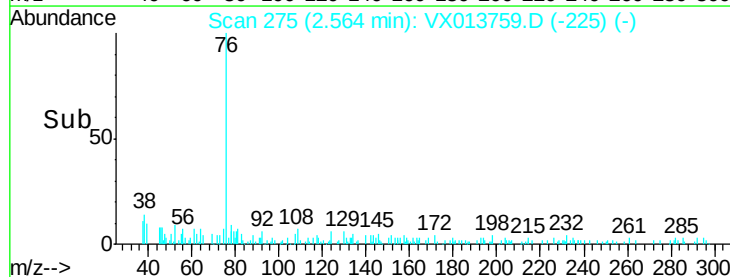
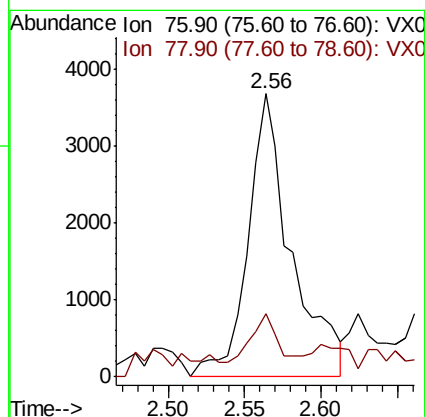
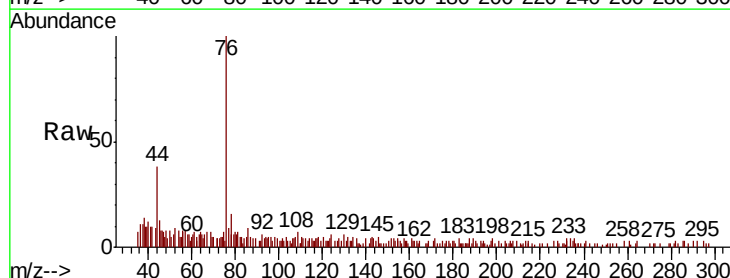
Acq: 04 Dec 2019 19:00

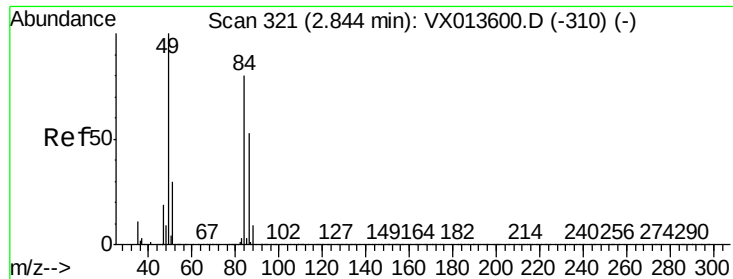
Tgt Ion: 76 Resp: 7222

Ion Ratio Lower Upper

76 100

78 17.4 7.2 10.8#

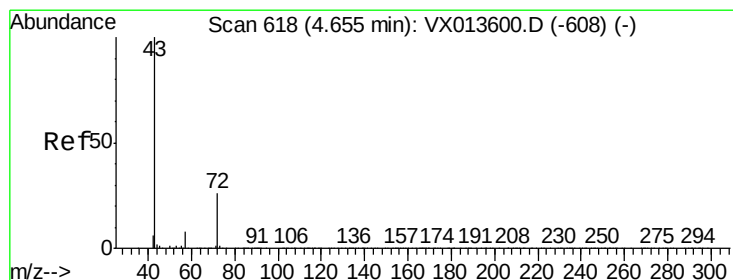
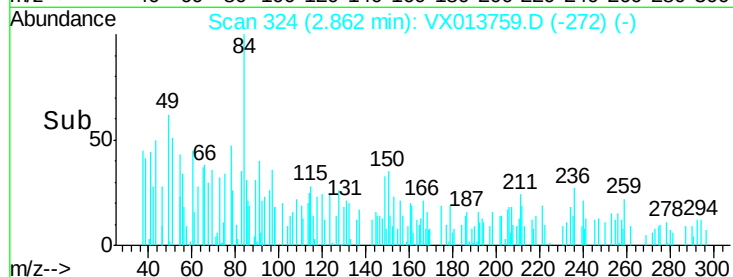
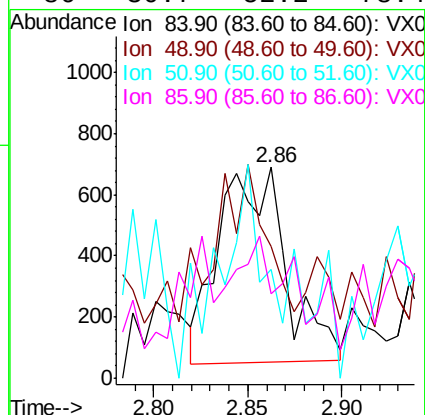
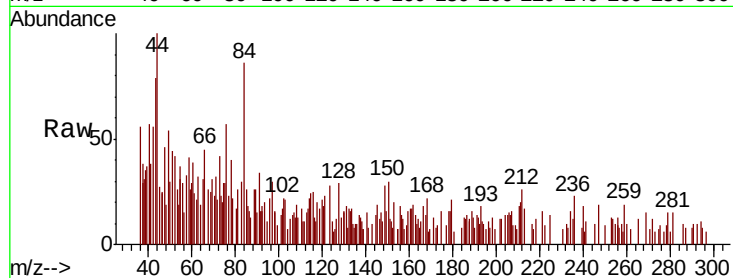




#20
Methylene Chloride
Concen: 0.202 ug/l
RT: 2.86 min Scan# 324
Delta R.T. 0.02 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

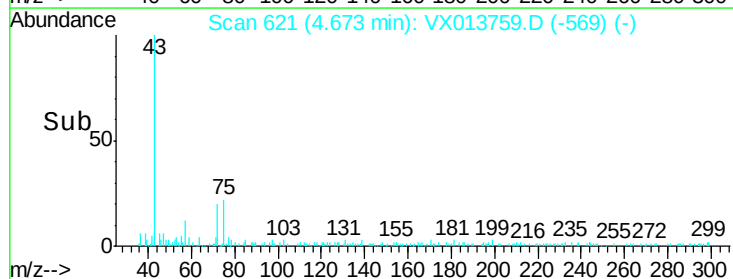
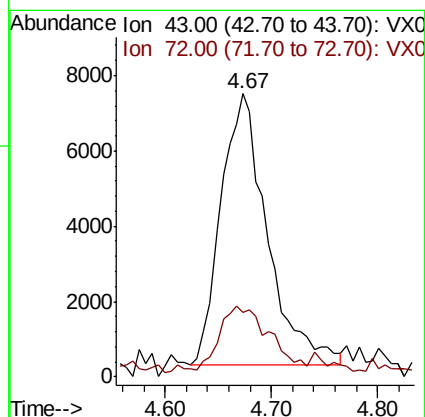
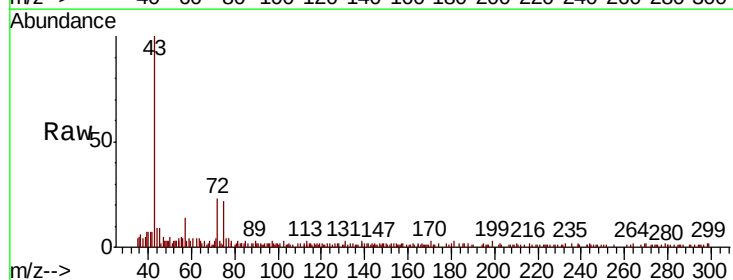
Instrument :
MSVOA_X
ClientSampleId :
OWL-C6-GW

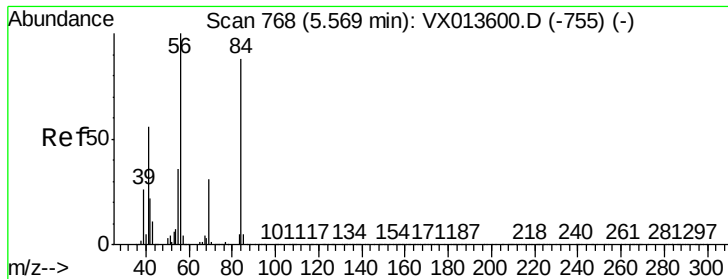
Tot Ion:	84	Resp:	1556
Ion	Ratio	Lower	Upper
84	100		
49	40.1	99.7	149.5#
51	59.4	29.9	44.9#
86	30.7	52.2	78.4#



#25
2-Butanone
Concen: 3.647 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Tgt Ion:	43	Resp:	21745
Ion	Ratio	Lower	Upper
43	100		
72	20.6	20.6	31.0#





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

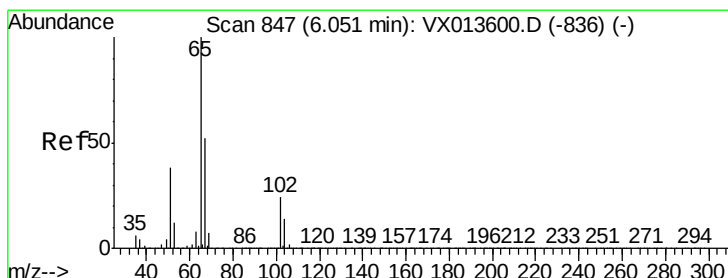
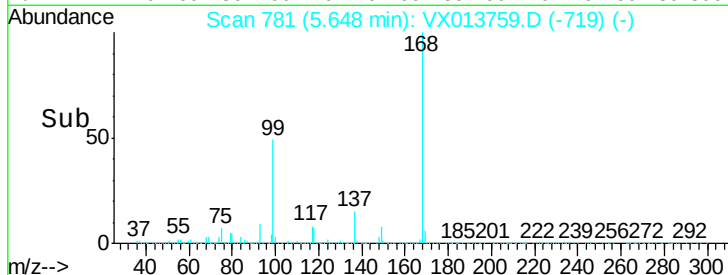
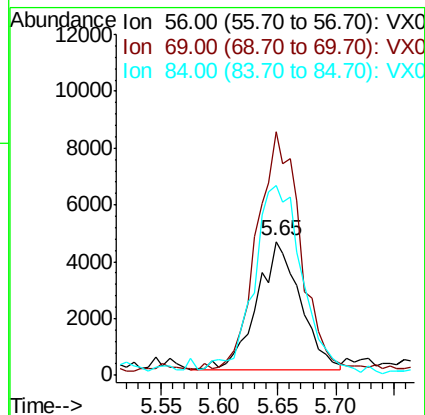
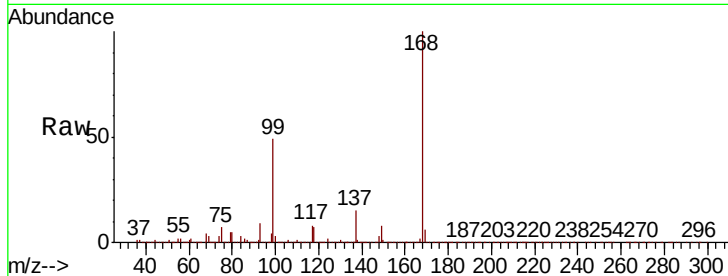
Tot Ion: 56 Resp: 11696

Ion Ratio Lower Upper

56 100

69 192.8 24.6 36.8#

84 145.8 70.0 105.0#



#33

1,2-Dichloroethane-d4

Concen: 46.533 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013759.D

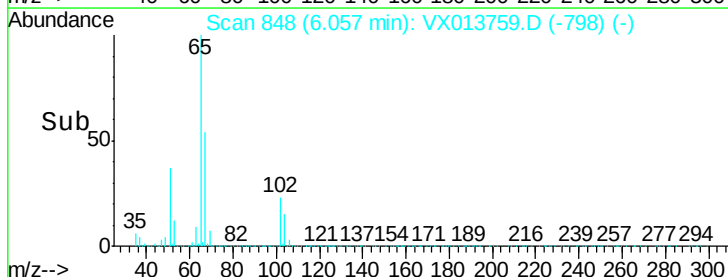
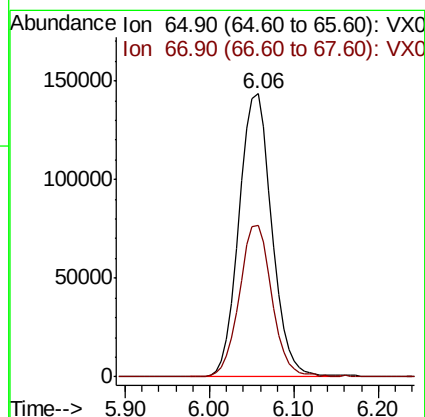
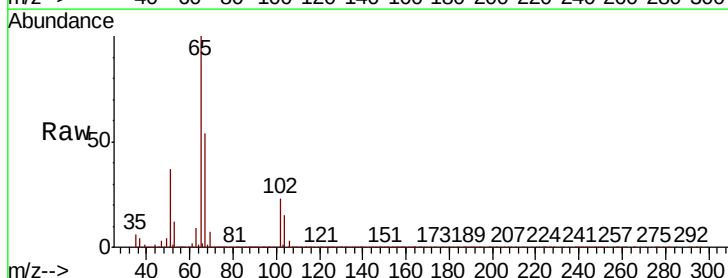
Acq: 04 Dec 2019 19:00

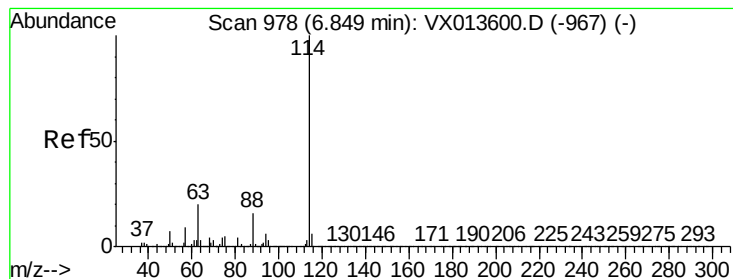
Tgt Ion: 65 Resp: 378149

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

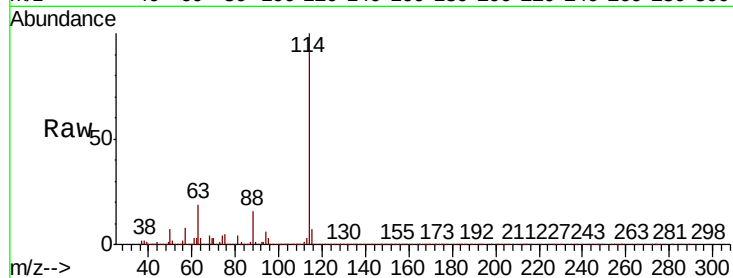
Tot Ion:114 Resp: 1046292

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

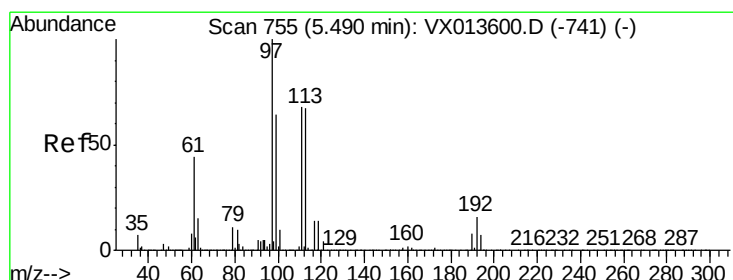
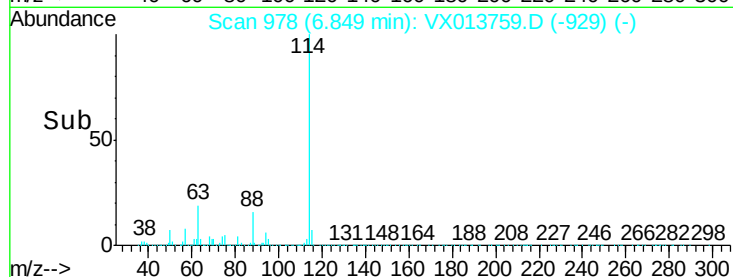
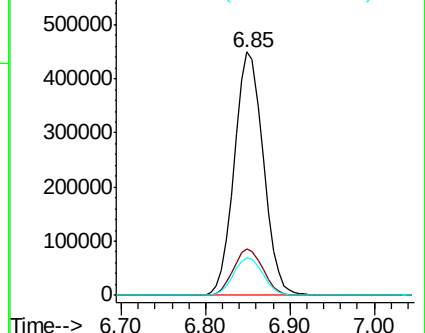
88 15.6 0.0 31.4



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: 48.882 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

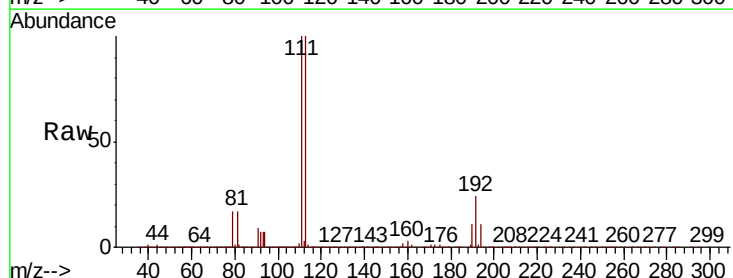
Tgt Ion:113 Resp: 316185

Ion Ratio Lower Upper

113 100

111 99.8 83.6 125.4

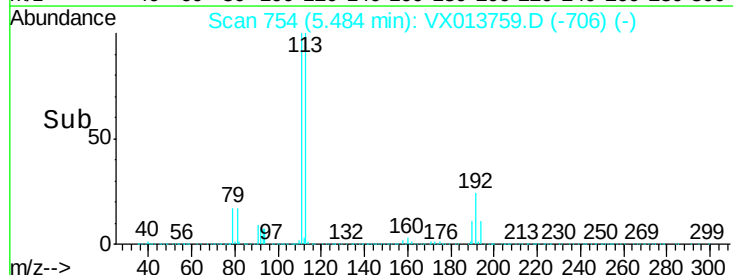
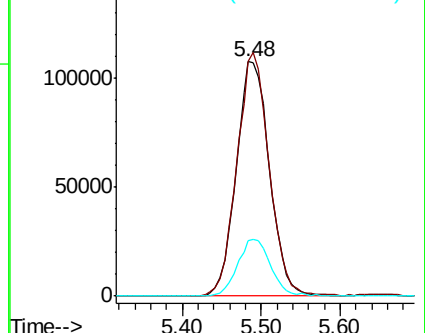
192 23.7 19.2 28.8

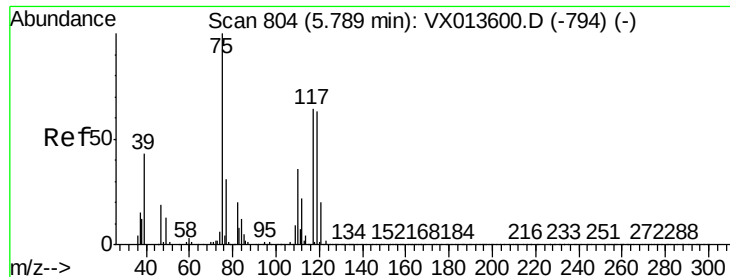


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

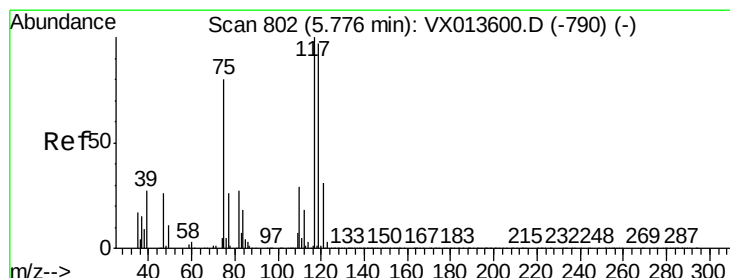
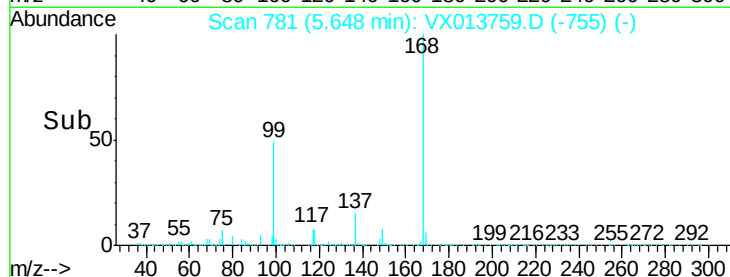
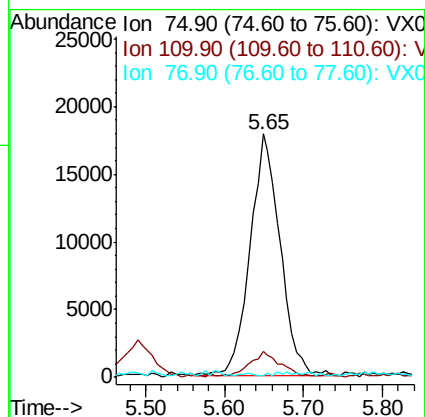
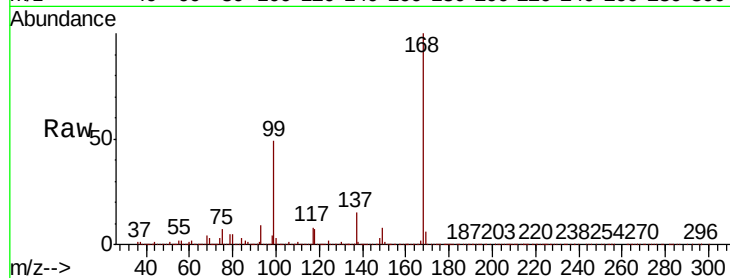
Tot Ion: 75 Resp: 47415

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.1#

77 0.1 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.849 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

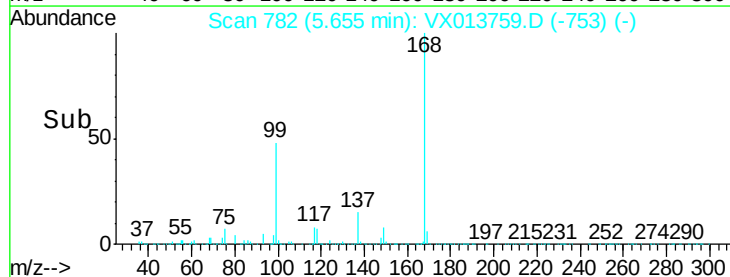
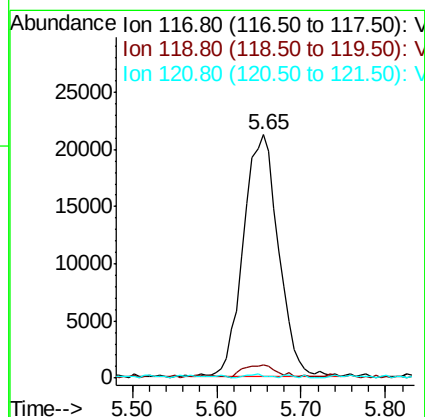
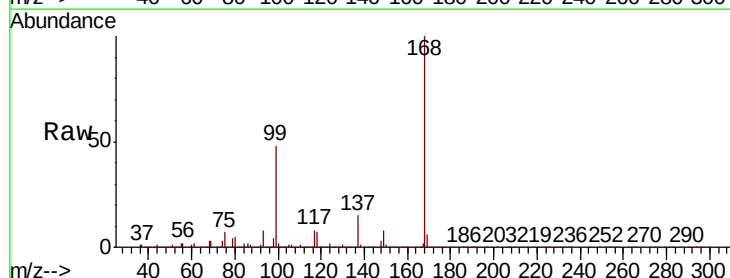
Tgt Ion: 117 Resp: 59978

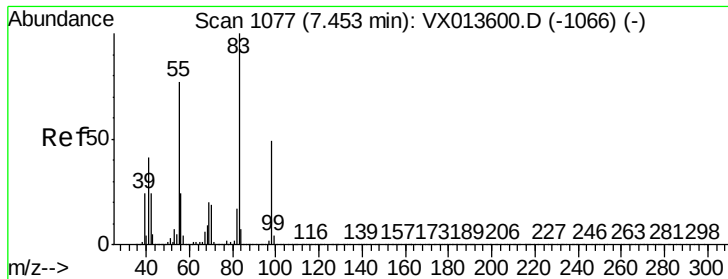
Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

121 0.0 25.0 37.6#

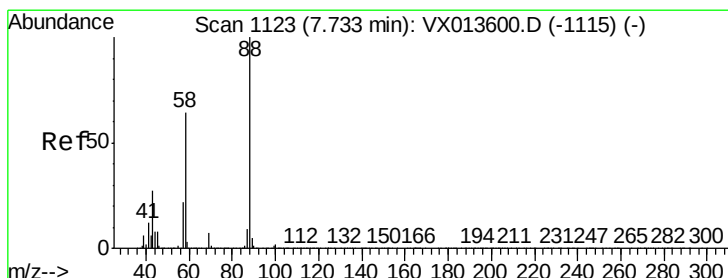
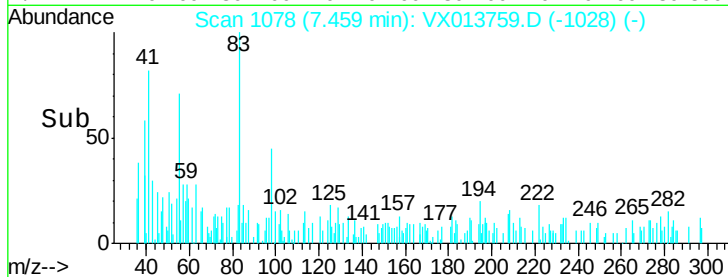
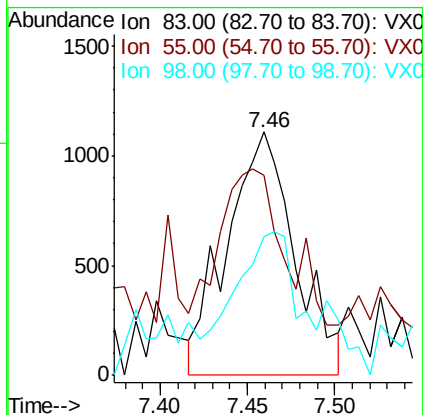
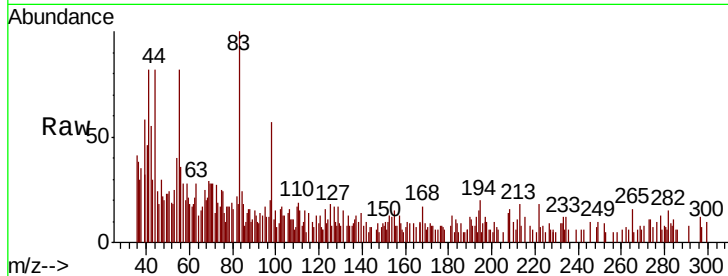




#39
Methylcyclohexane
Concen: 0.257 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

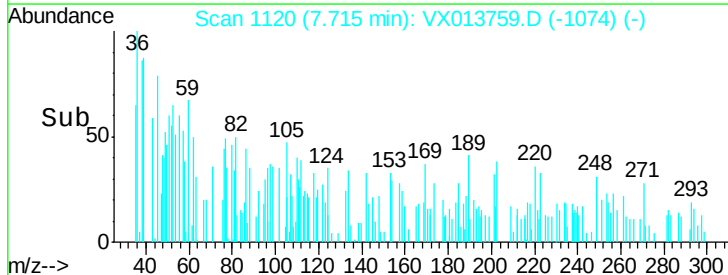
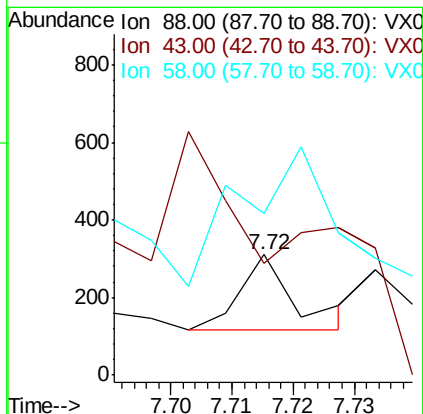
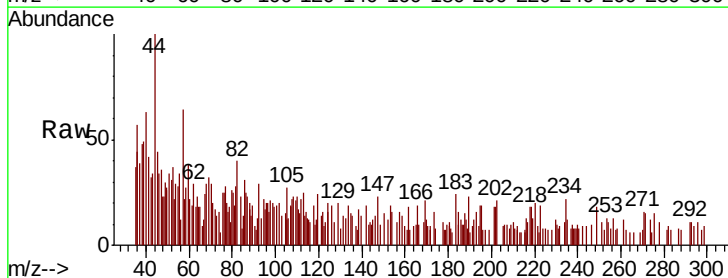
Instrument :
MSVOA_X
ClientSampled :
OWL-C6-GW

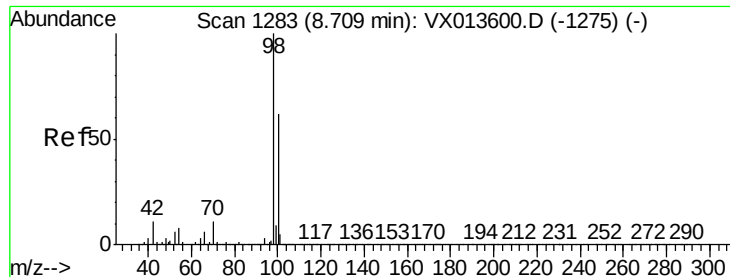
Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.9	92.9
98	41.0	39.4	59.0



#49
1,4-Dioxane
Concen: 0.650 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Tgt Ion	Ratio	Lower	Upper
88	100		
43	158.1	25.8	38.6#
58	580.6	54.6	82.0#





#50

Toluene-d8

Concen: 49.004 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

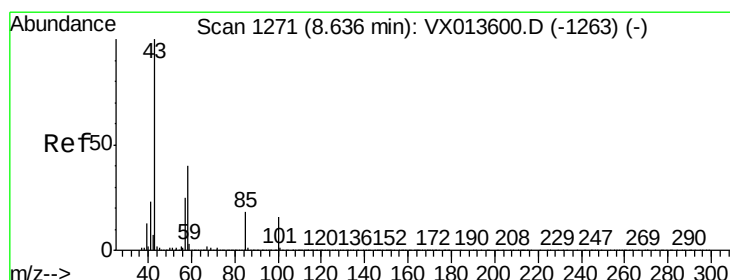
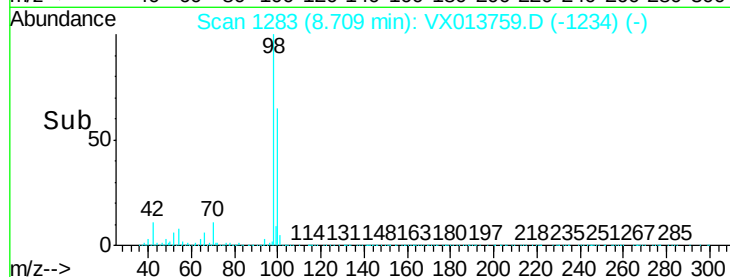
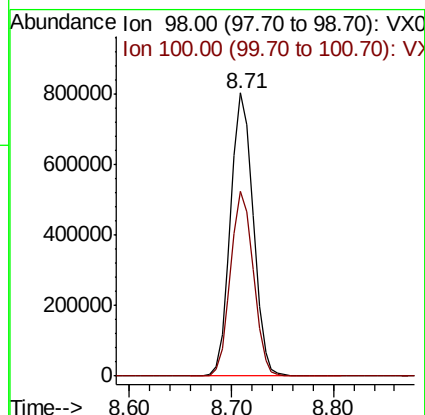
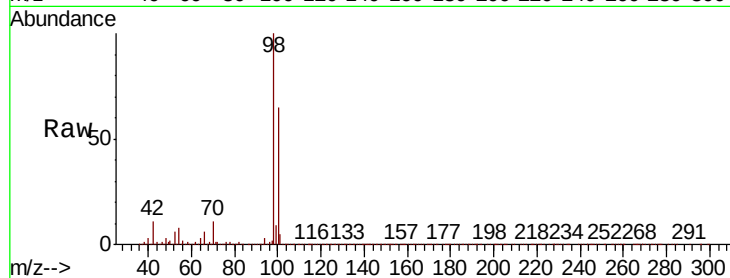
OWL-C6-GW

Tot Ion: 98 Resp: 1234974

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.205 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013759.D

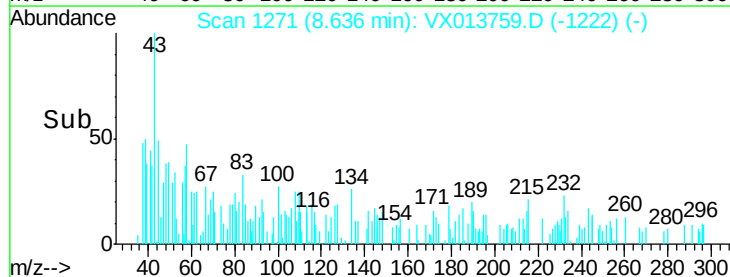
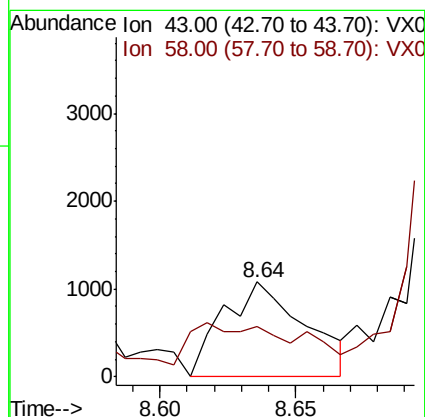
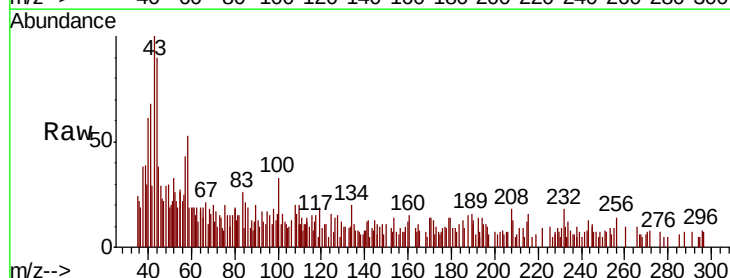
Acq: 04 Dec 2019 19:00

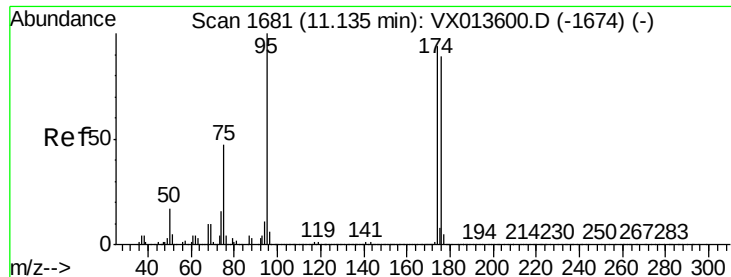
Tgt Ion: 43 Resp: 2257

Ion Ratio Lower Upper

43 100

58 45.8 32.1 48.1





#62

4-Bromofluorobenzene

Concen: 47.474 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

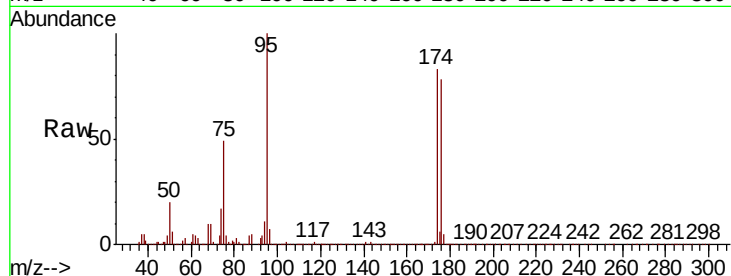
Tot Ion: 95 Resp: 431424

Ion Ratio Lower Upper

95 100

174 91.8 0.0 180.0

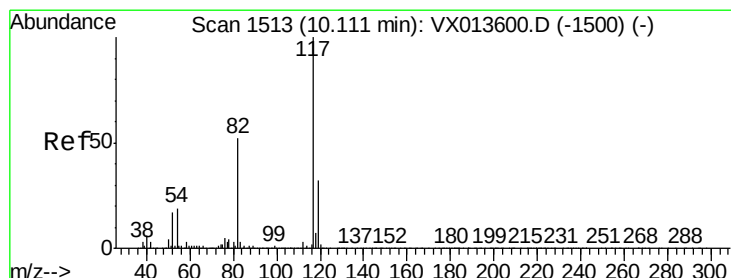
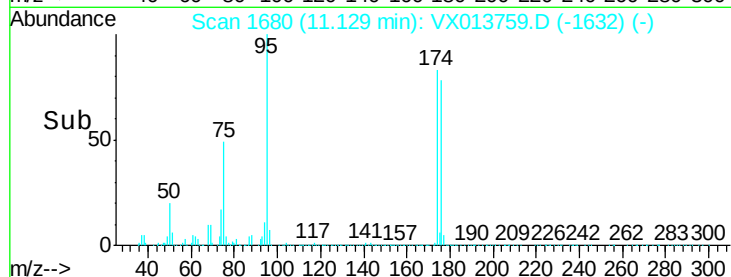
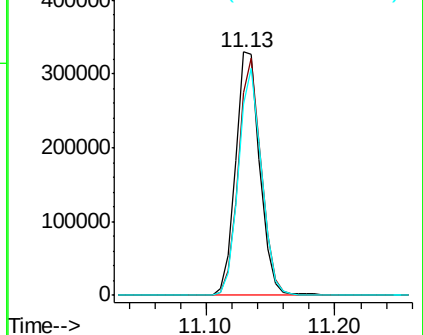
176 88.4 0.0 173.6



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: VX013759.D

Acq: 04 Dec 2019 19:00

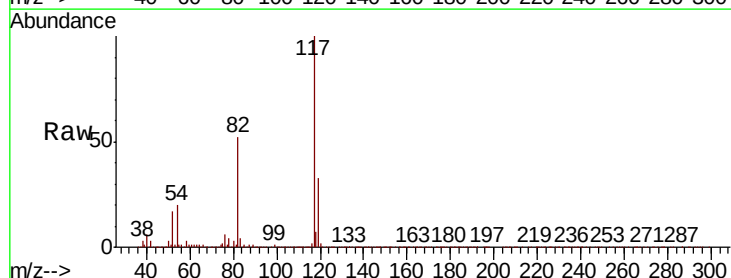
Tgt Ion: 117 Resp: 936674

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

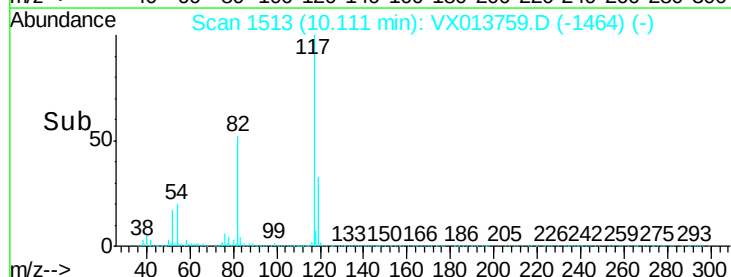
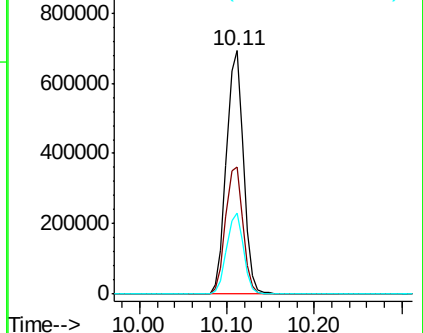
119 33.2 25.8 38.8

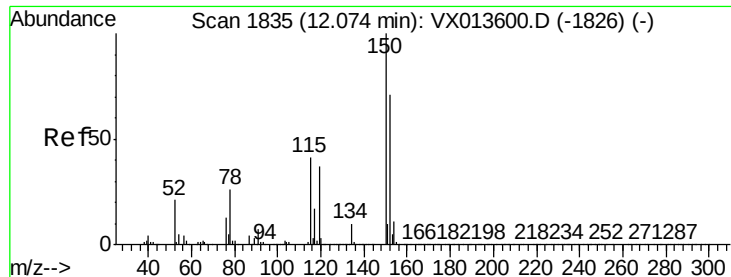


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



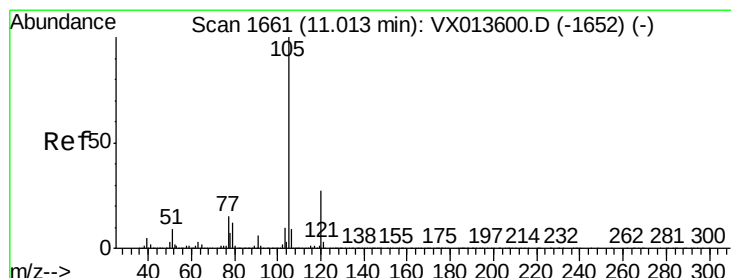
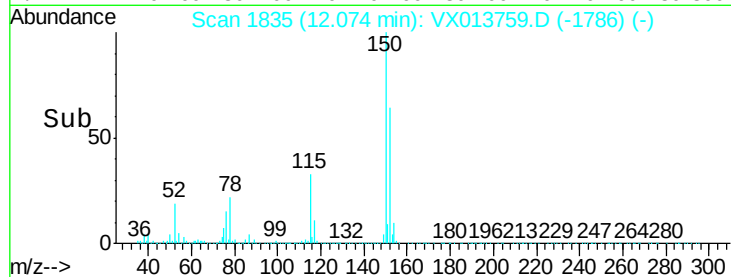
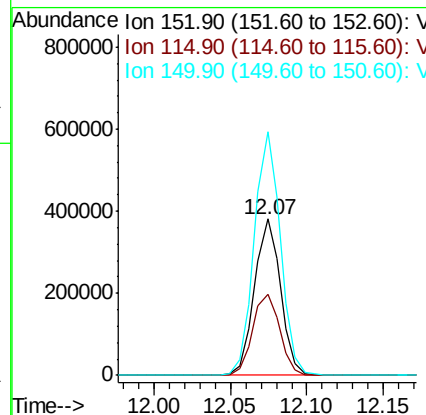
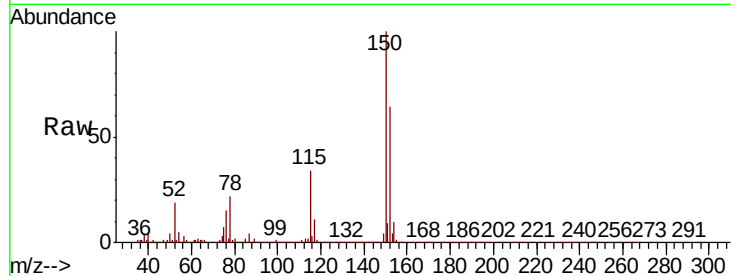


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Instrument :
MSVOA_X
ClientSampleId :
OWL-C6-GW

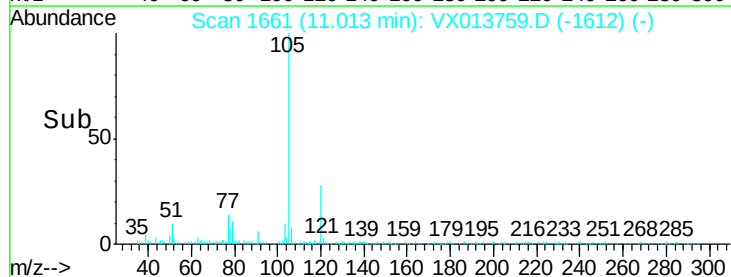
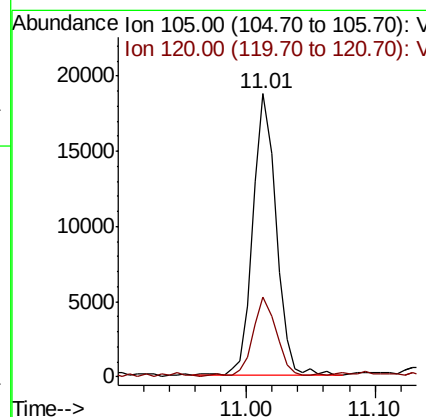
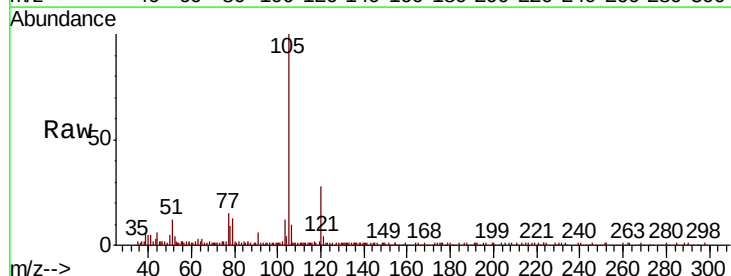
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	38.4	115.1
150	156.2	0.0	346.8

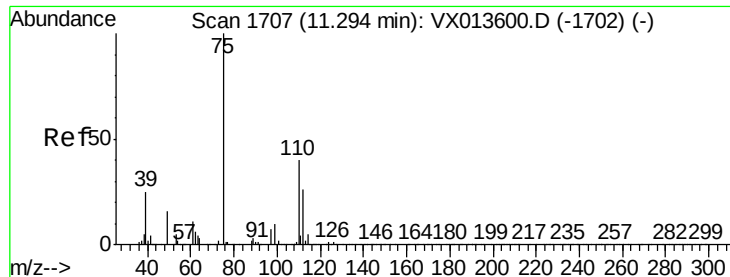


#73

Isopropylbenzene
Concen: 0.735 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013759.D
Acq: 04 Dec 2019 19:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.2	13.5	40.5

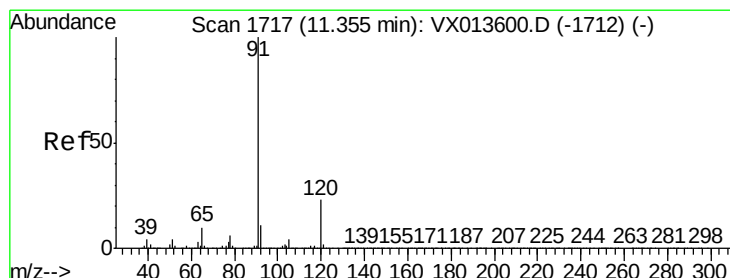
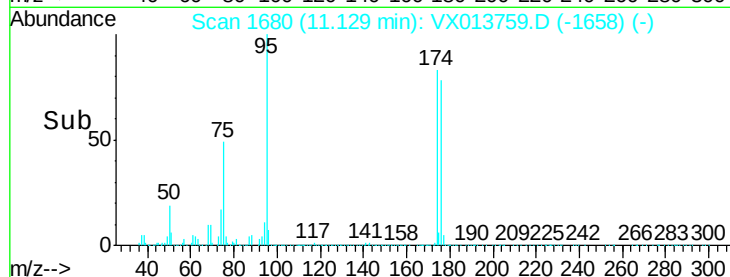
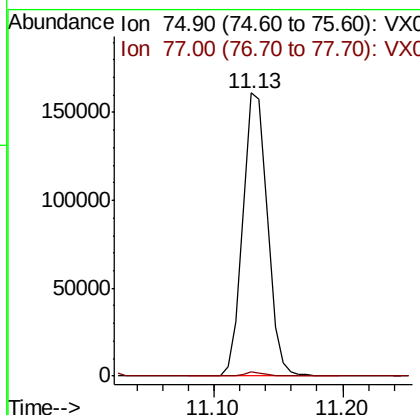
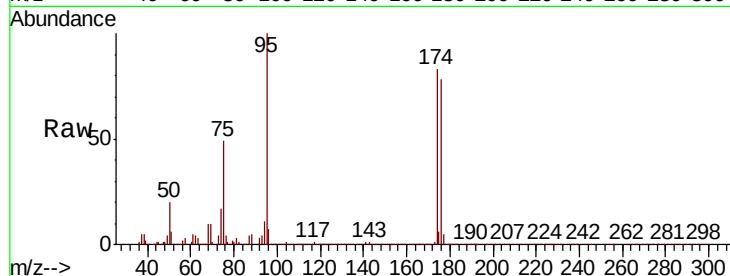




#76
 1,2,3-Trichloropropane
 Concen: 20.923 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013759.D
 Acq: 04 Dec 2019 19:00

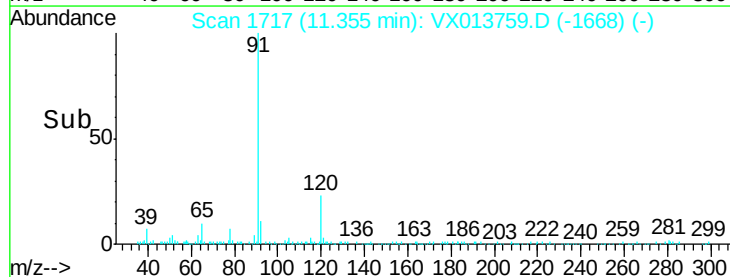
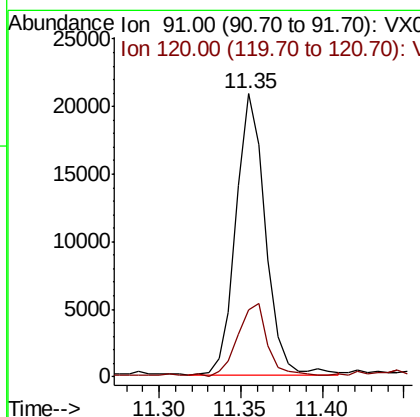
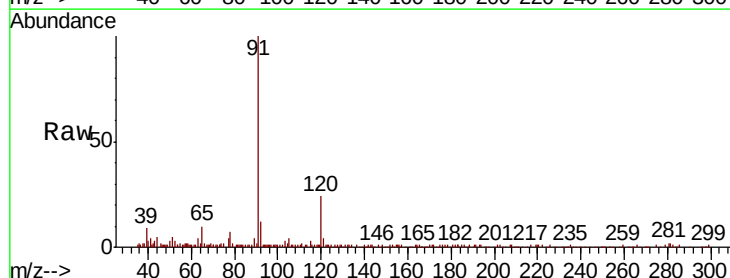
Instrument :
 MSVOA_X
 ClientSampleId :
 OWL-C6-GW

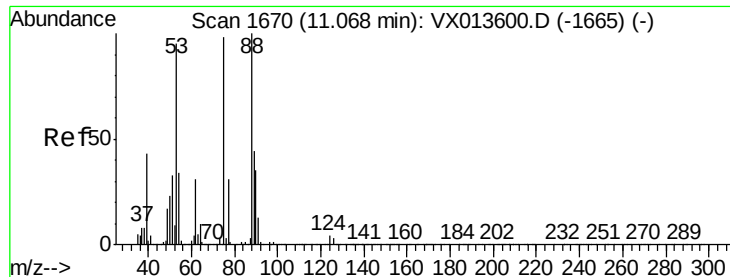
Tot Ion: 75 Resp: 212538
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#



#78
 n-propylbenzene
 Concen: 0.745 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX013759.D
 Acq: 04 Dec 2019 19:00

Tgt Ion: 91 Resp: 26365
 Ion Ratio Lower Upper
 91 100
 120 26.6 11.8 35.3





#81

trans-1,4-Dichloro-2-butene

Concen: 57.241 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

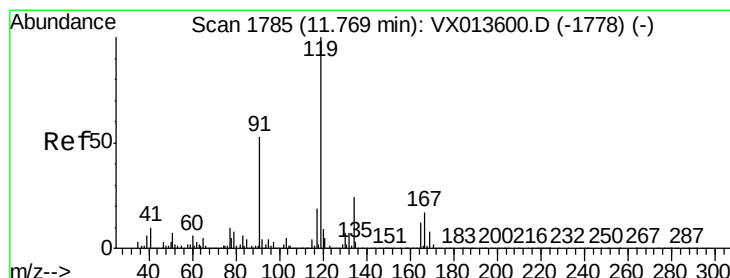
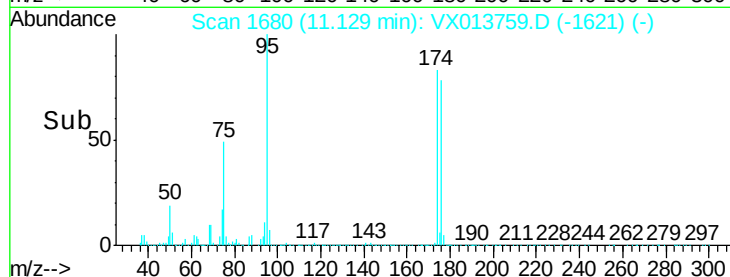
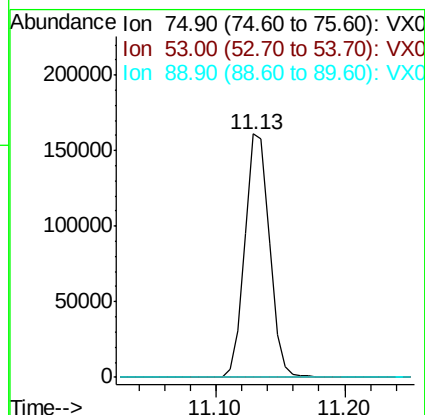
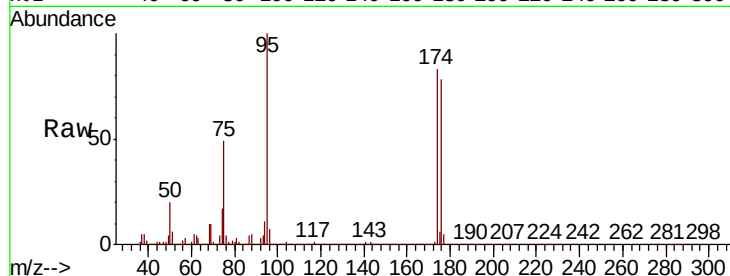
Tot Ion: 75 Resp: 212538

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 35.4 53.2#



#83

tert-Butylbenzene

Concen: 0.261 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

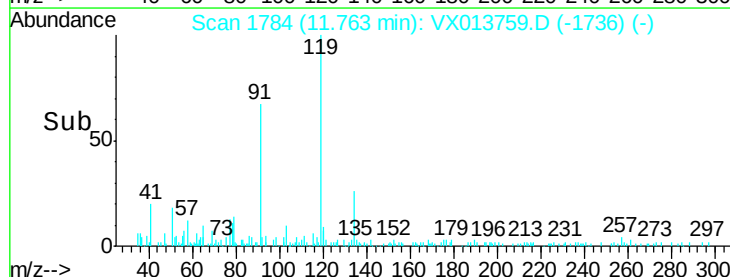
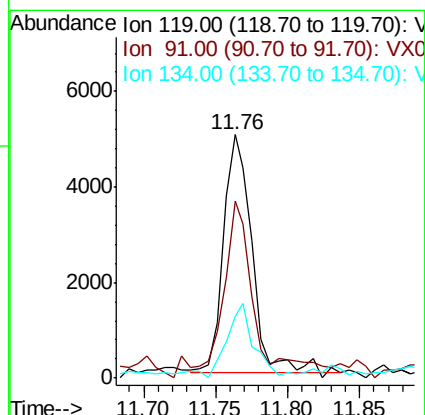
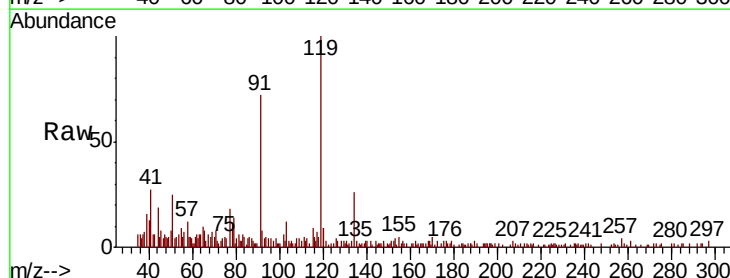
Tgt Ion: 119 Resp: 6879

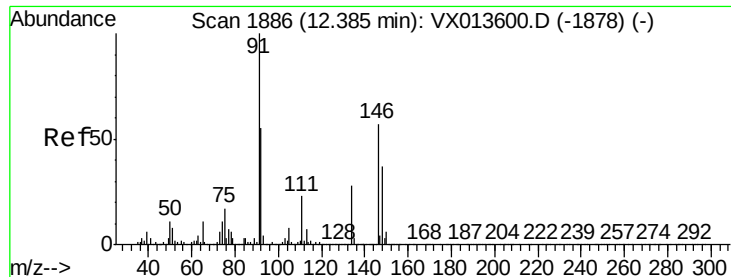
Ion Ratio Lower Upper

119 100

91 77.8 27.2 81.6

134 30.6 11.7 35.1





#89

n-Butylbenzene

Concen: 0.471 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

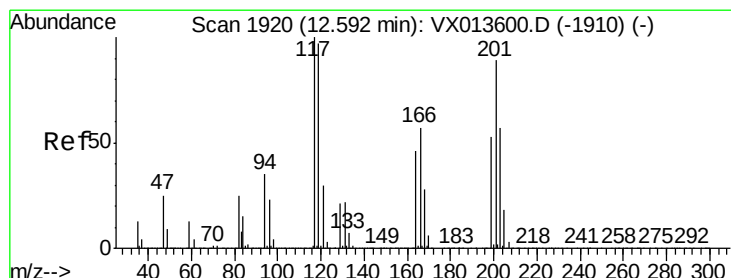
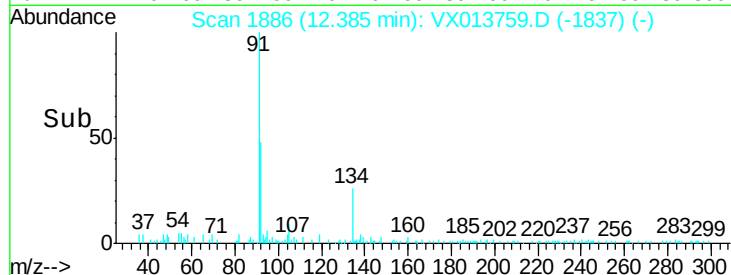
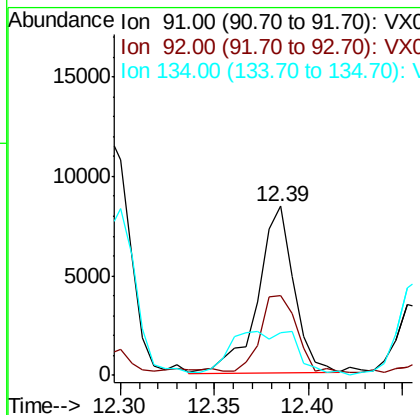
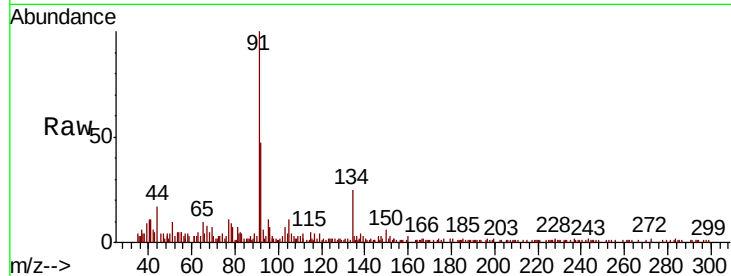
Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

Tot Ion:	91	Resp:	11253
Ion	Ratio	Lower	Upper
91	100		
92	46.9	27.4	82.2
134	49.3	13.5	40.4#



#90

Hexachloroethane

Concen: 1.303 ug/l

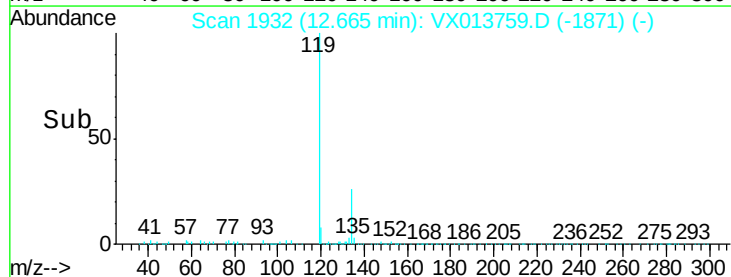
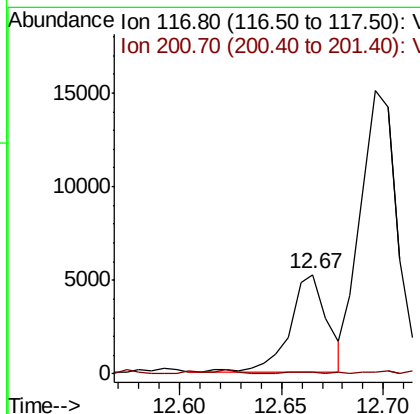
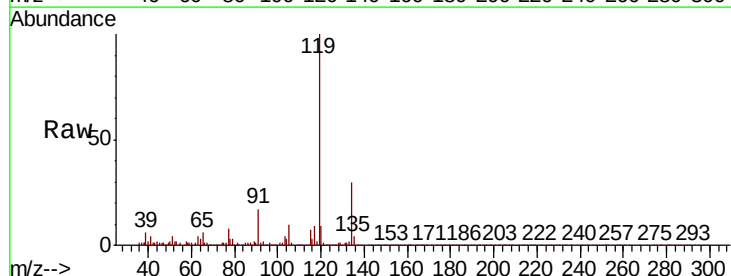
RT: 12.67 min Scan# 1932

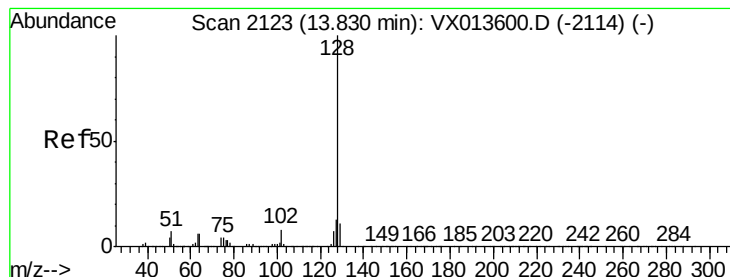
Delta R.T. 0.07 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Tgt Ion:	117	Resp:	6604
Ion	Ratio	Lower	Upper
117	100		
201	1.5	44.1	132.4#





#95

Naphthalene

Concen: 0.323 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013759.D

Acq: 04 Dec 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

OWL-C6-GW

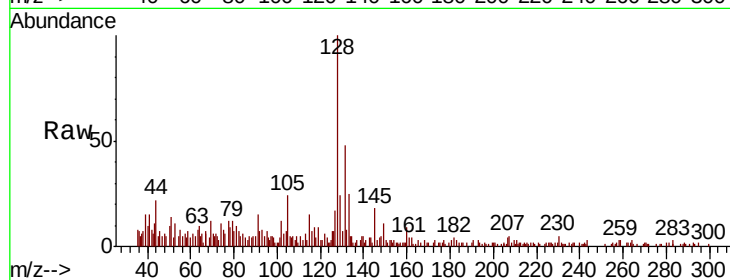
Tot Ion:128 Resp: 9886

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

129 26.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

