

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013688.D
 Acq On : 28 Nov 2019 06:14
 Operator : JC/SP
 Sample : K5965-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 29 00:43:54 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	693298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1075672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	429342	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	390156	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.49	113	321161	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	1273659	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.14	95	428306	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

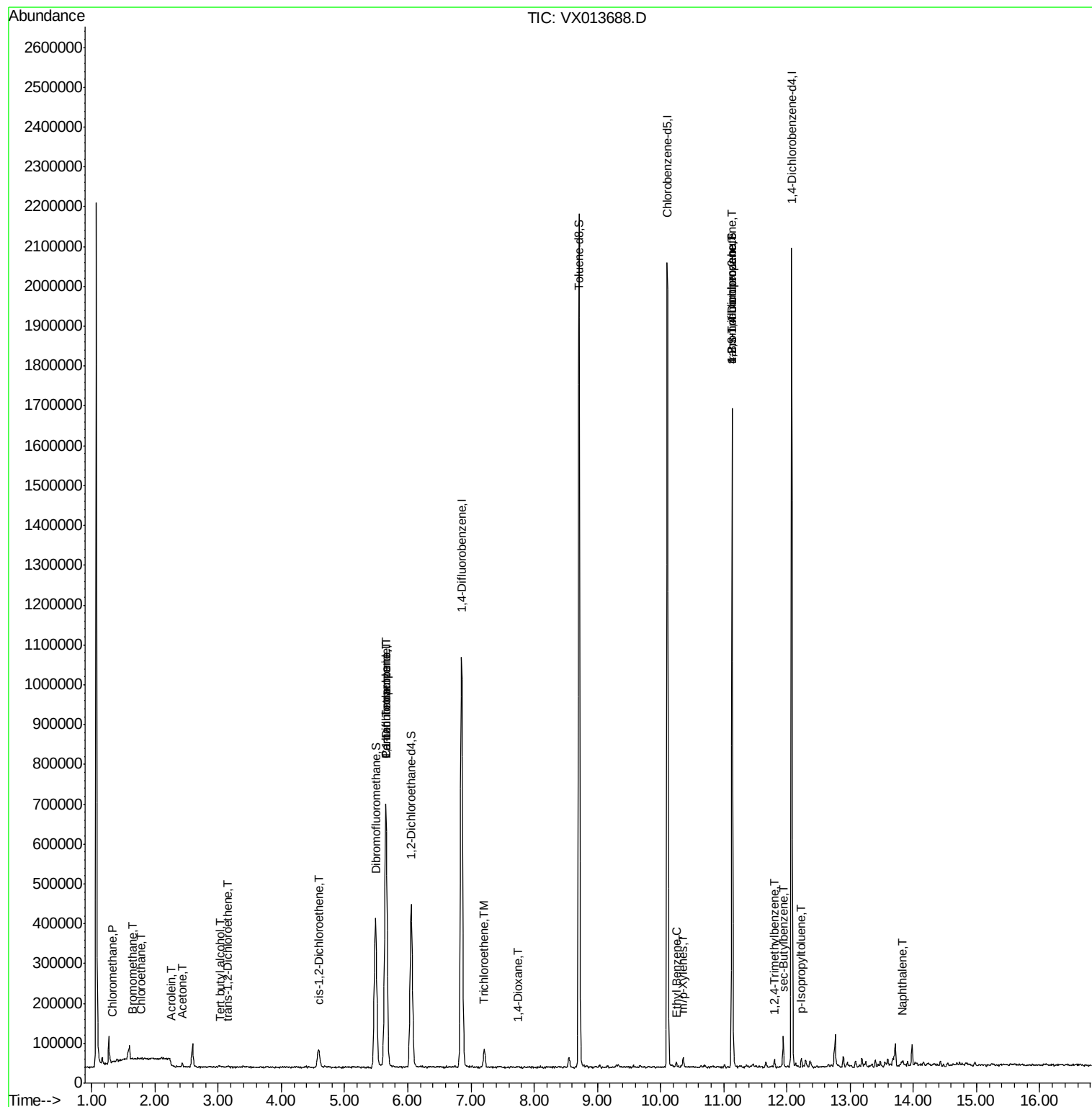
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3603	0.416	ug/l #	84
5) Bromomethane	1.64	94	1446	0.221	ug/l #	9
6) Chloroethane	1.77	64	1394	0.251	ug/l #	45
11) Tert butyl alcohol	3.03	59	5086	2.560	ug/l #	54
13) Acrolein	2.27	56	698	6.517	ug/l #	15
16) Acetone	2.43	43	8575	2.158	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	2634	0.366	ug/l #	58
27) cis-1,2-Dichloroethene	4.59	96	30809	3.732	ug/l	89
36) 1,1-Dichloropropene	5.65	75	44118	4.518	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56422	6.267	ug/l #	14
44) Trichloroethene	7.21	130	20553	2.518	ug/l	95
49) 1,4-Dioxane	7.75	88	304	1.550	ug/l #	50
67) Ethyl Benzene	10.25	91	9020	0.262	ug/l	98
68) m/p-Xylenes	10.36	106	6795	0.515	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	208778	21.620	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	208778	59.149	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	8950	0.357	ug/l	89
85) sec-Butylbenzene	11.94	105	41674	1.454	ug/l	92
86) p-Isopropyltoluene	12.23	119	10086	0.378	ug/l	85
95) Naphthalene	13.83	128	9653	0.332	ug/l #	92

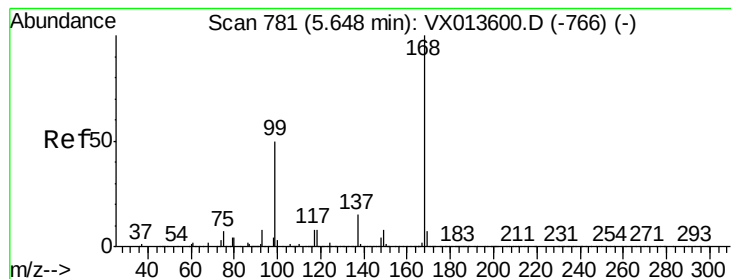
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

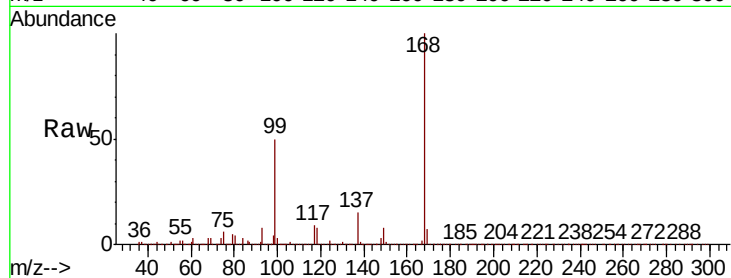
ClientSampleId :

Tot Ion:168 Resp: 693298

Ion Ratio Lower Upper

168 100

99 49.5 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

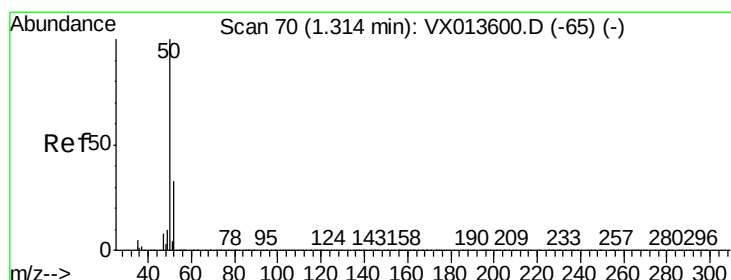
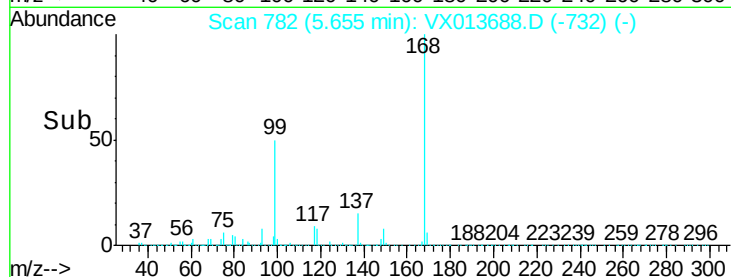
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.416 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013688.D

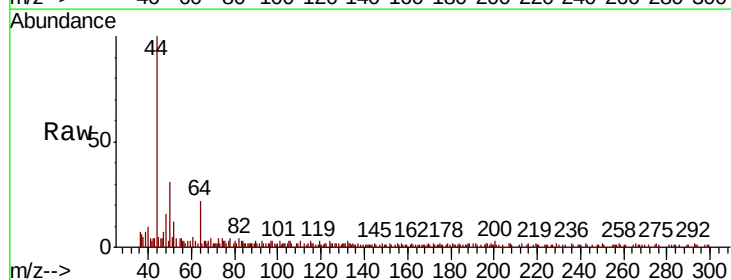
Acq: 28 Nov 2019 06:14

Tgt Ion: 50 Resp: 3603

Ion Ratio Lower Upper

50 100

52 23.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

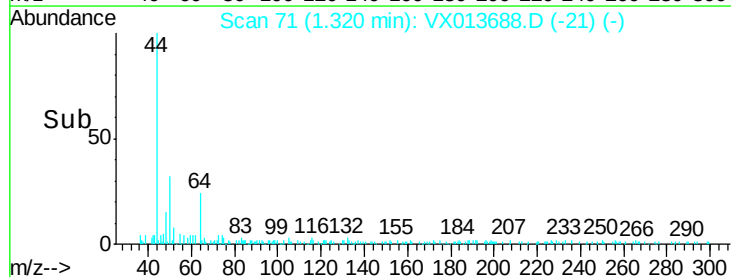
1500

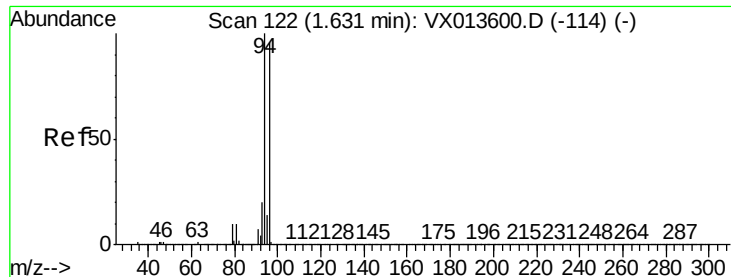
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

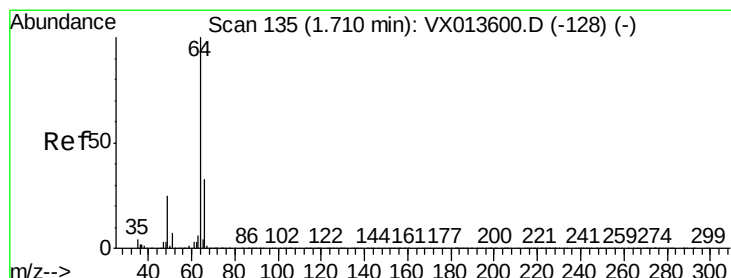
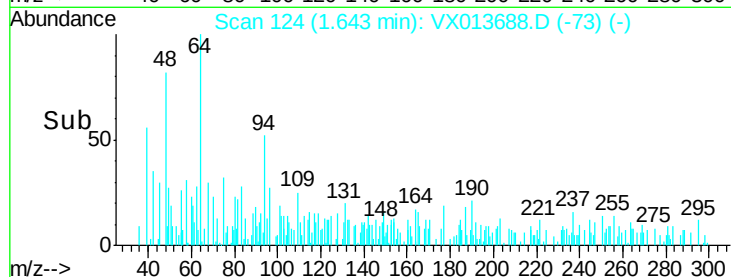
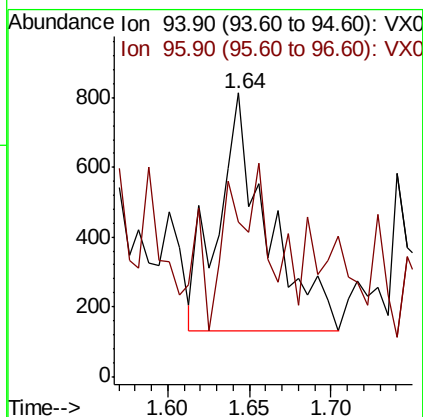
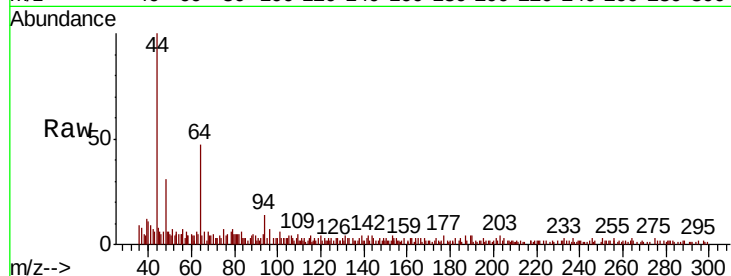
ClientSampled :

Tot Ion: 94 Resp: 1446

Ion Ratio Lower Upper

94 100

96 6.7 77.0 115.4#



#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.77 min Scan# 145

Delta R.T. 0.06 min

Lab File: VX013688.D

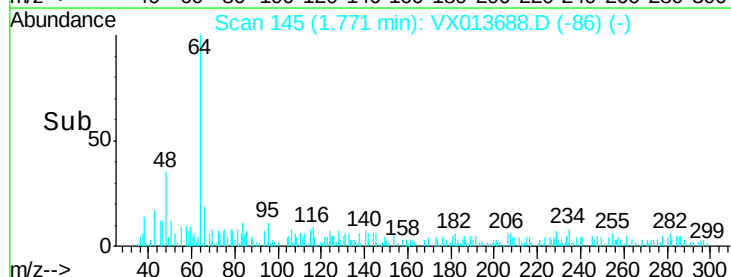
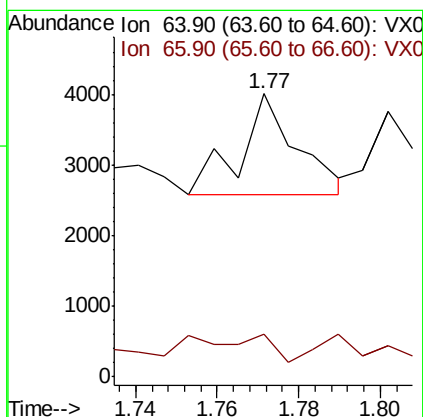
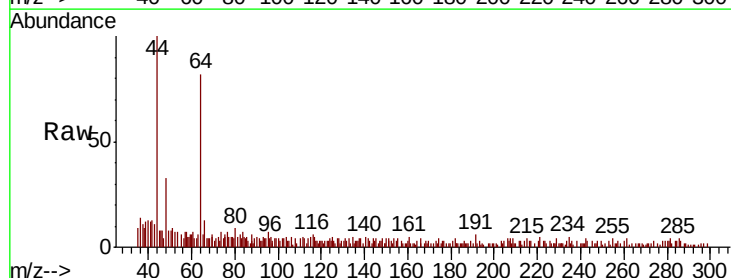
Acq: 28 Nov 2019 06:14

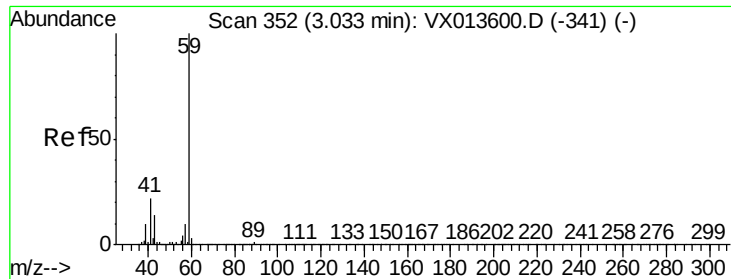
Tgt Ion: 64 Resp: 1394

Ion Ratio Lower Upper

64 100

66 2.1 26.7 40.1#



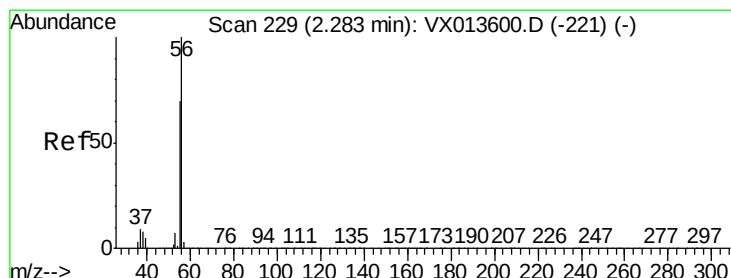
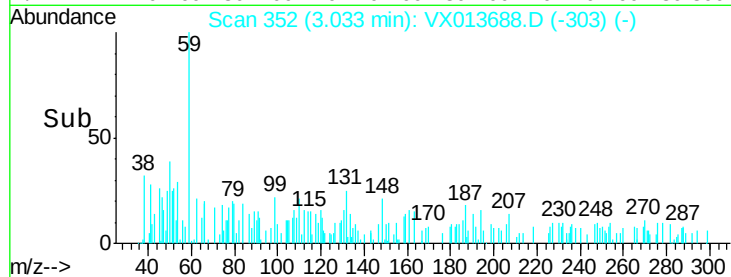
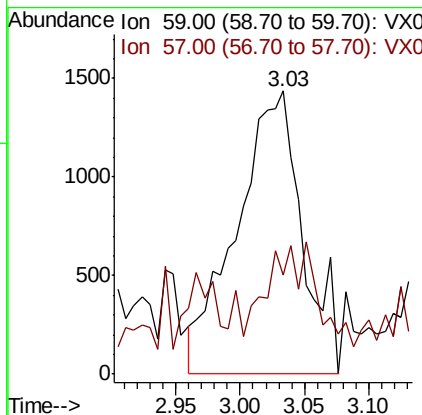
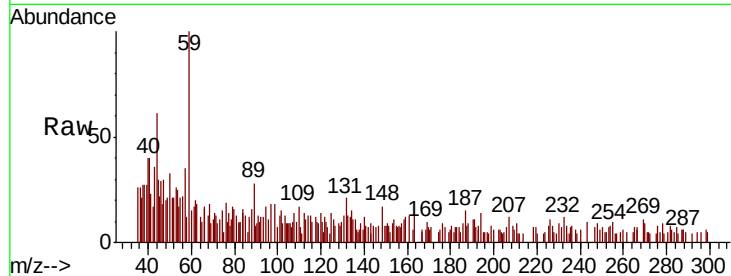


#11

Tert butyl alcohol
 Concen: 2.560 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Instrument :
 MSVOA_X
 ClientSampleId :

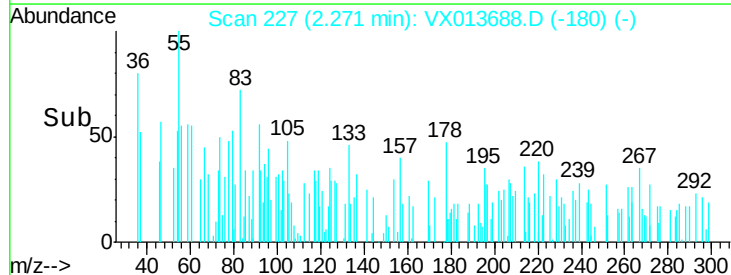
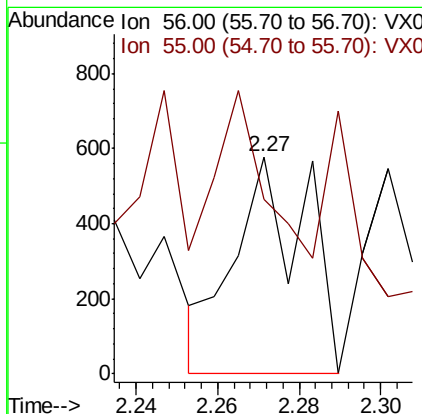
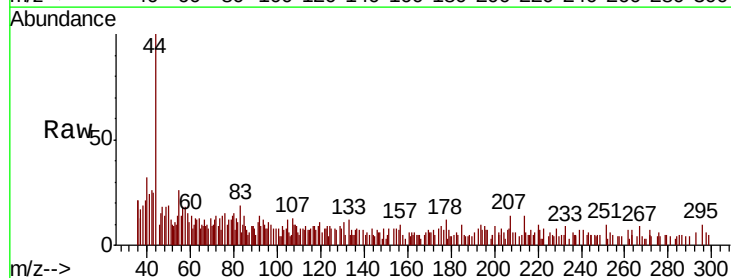
Tot Ion: 59 Resp: 5086
 Ion Ratio Lower Upper
 59 100
 57 26.8 7.8 11.6#

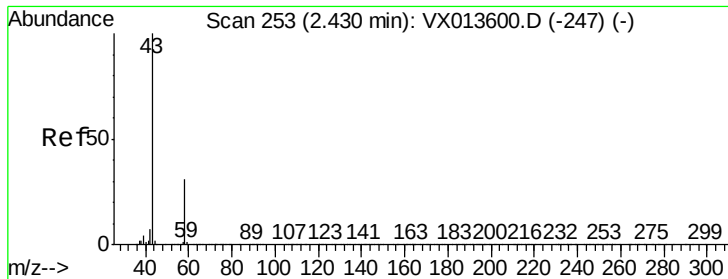


#13

Acrolein
 Concen: 6.517 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Tgt Ion: 56 Resp: 698
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.2 84.4#

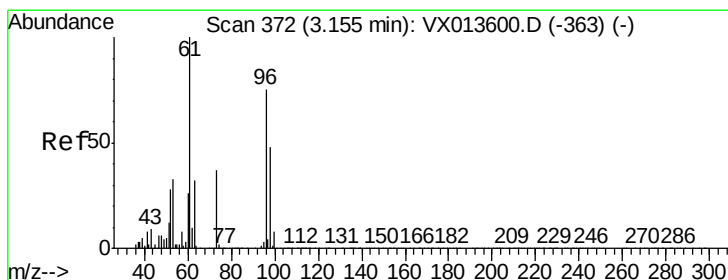
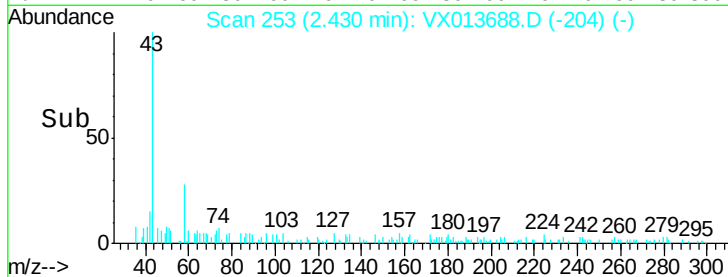
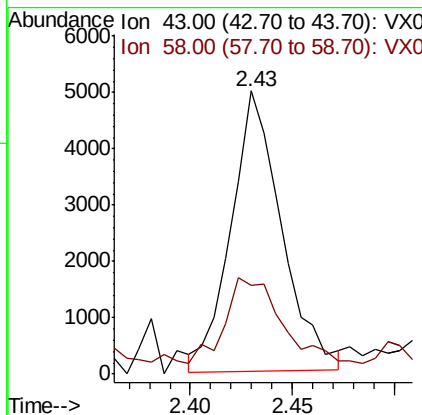
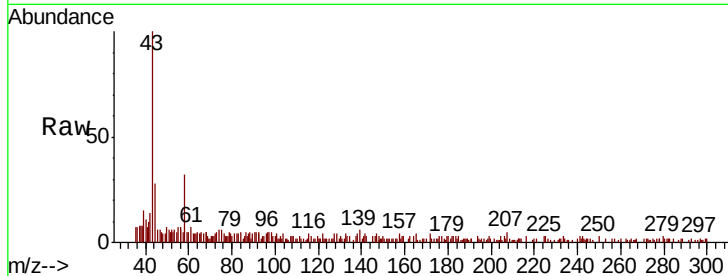




#16
Acetone
Concen: 2.158 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

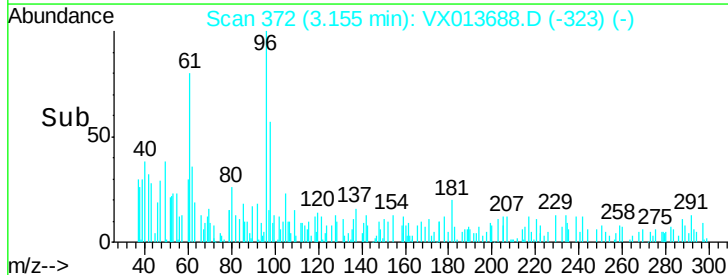
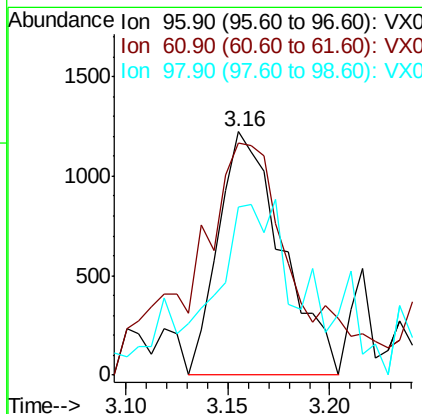
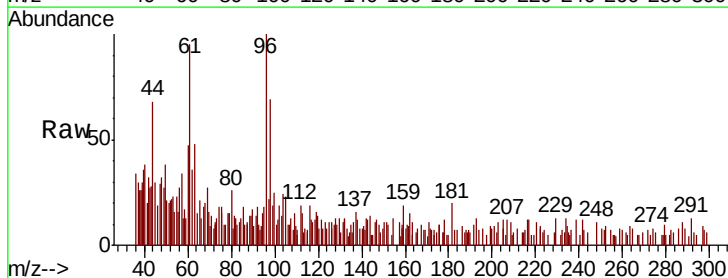
Instrument :
MSVOA_X
ClientSampled :

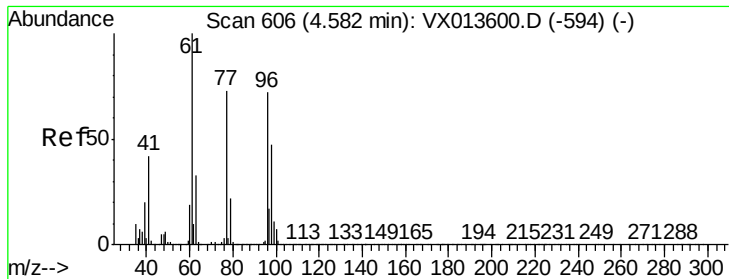
Tot Ion: 43 Resp: 8575
Ion Ratio Lower Upper
43 100
58 30.0 24.6 36.8



#21
trans-1,2-Dichloroethene
Concen: 0.366 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

Tgt Ion: 96 Resp: 2634
Ion Ratio Lower Upper
96 100
61 71.9 107.2 160.8#
98 48.0 51.4 77.0#



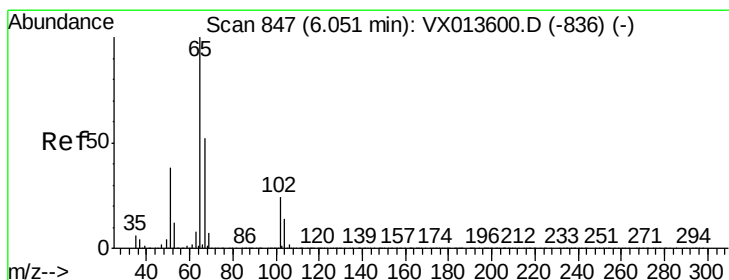
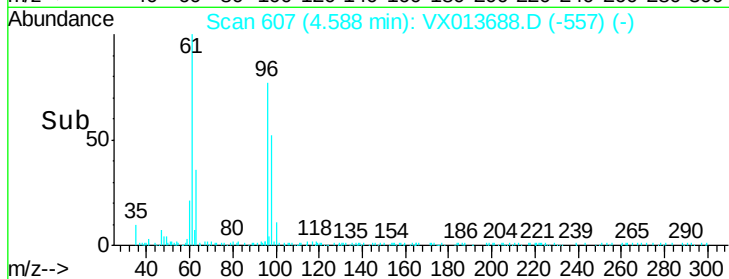
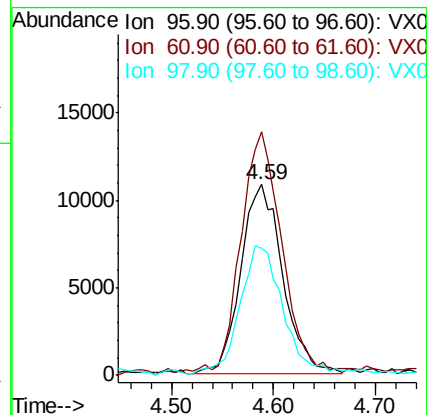
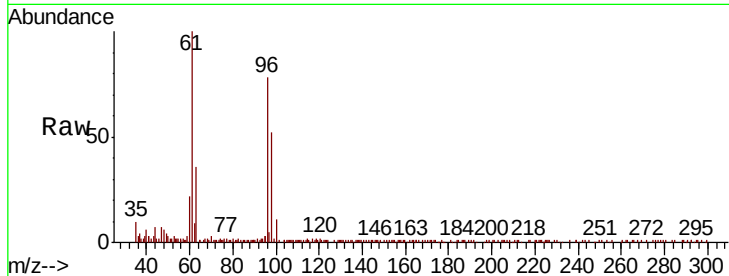


#27

cis-1,2-Dichloroethene
Concen: 3.732 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

Instrument :
MSVOA_X
ClientSampleId :

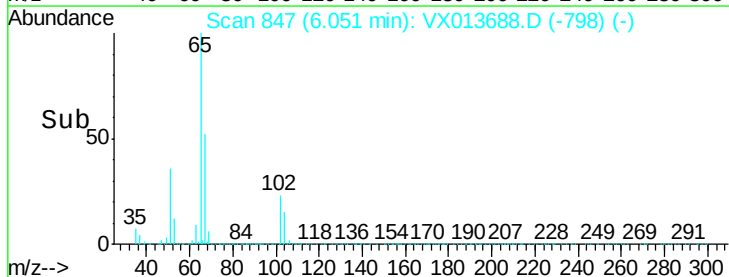
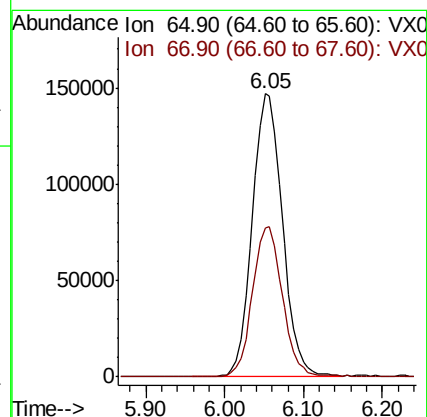
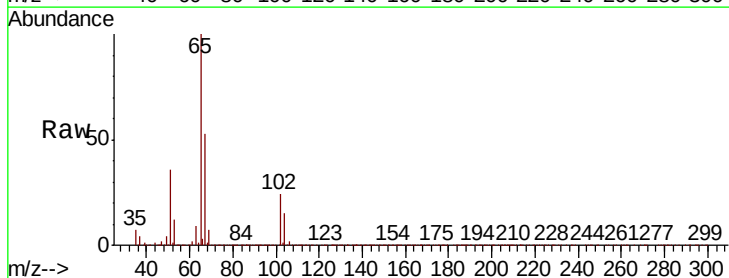
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	286.4
98	71.5	0.0	127.4

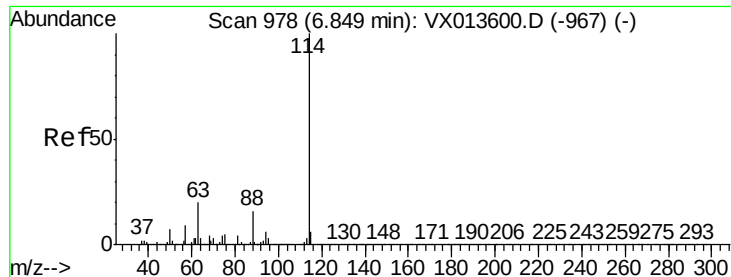


#33

1,2-Dichloroethane-d4
Concen: 48.481 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	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: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

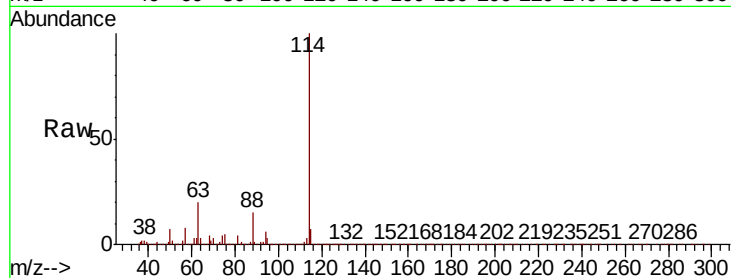
Tot Ion:114 Resp: 1075672

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

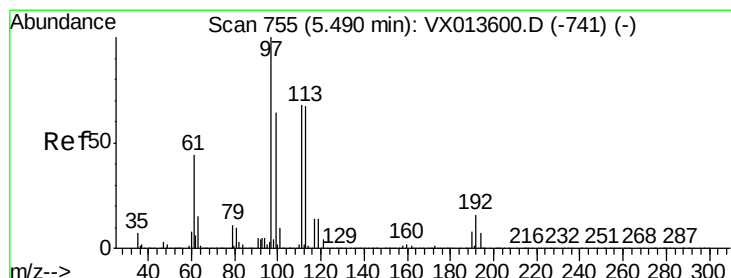
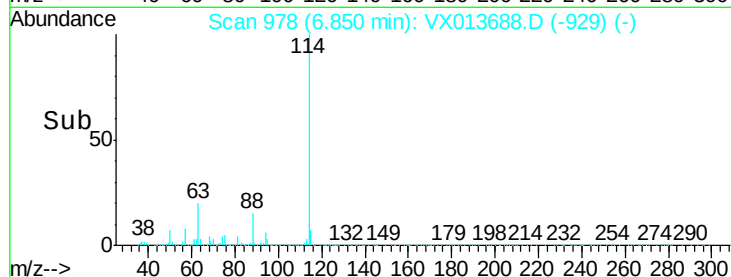
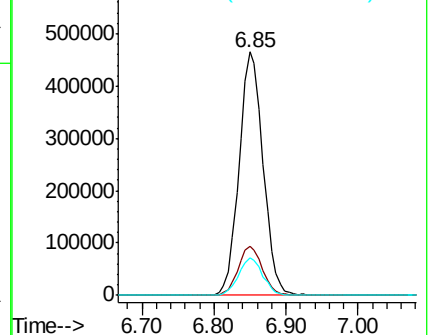
88 15.4 0.0 31.4



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: 48.295 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

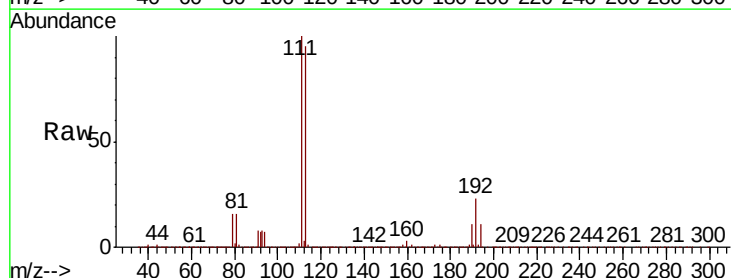
Tgt Ion:113 Resp: 321161

Ion Ratio Lower Upper

113 100

111 103.1 83.6 125.4

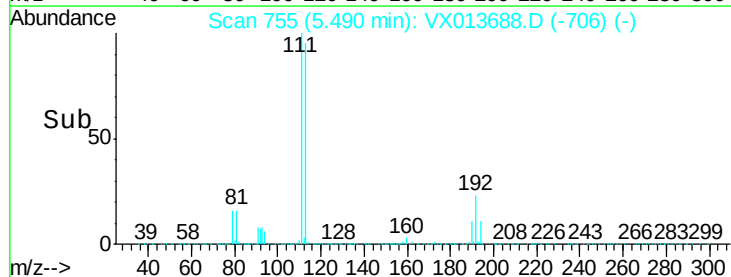
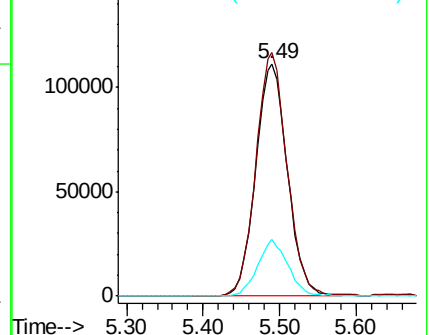
192 23.4 19.2 28.8

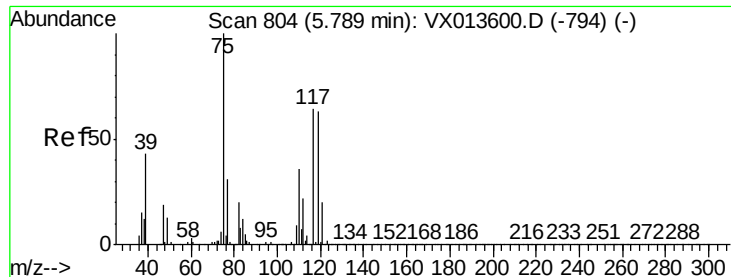


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

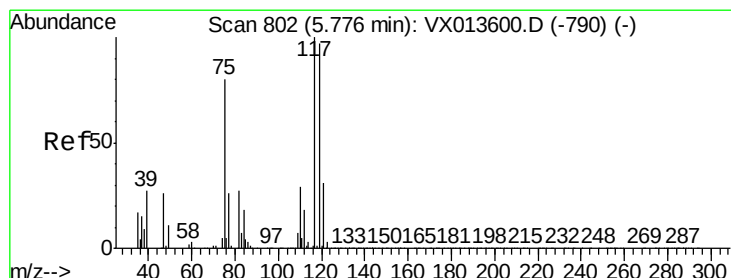
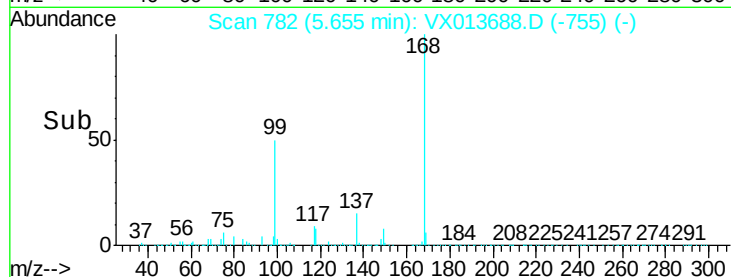
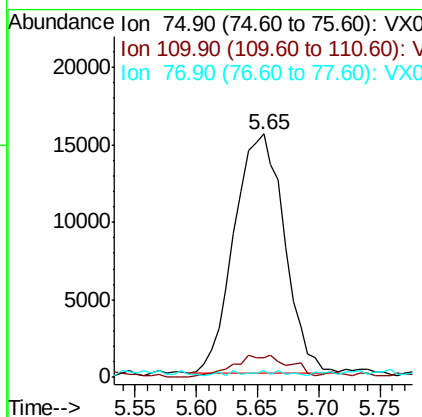
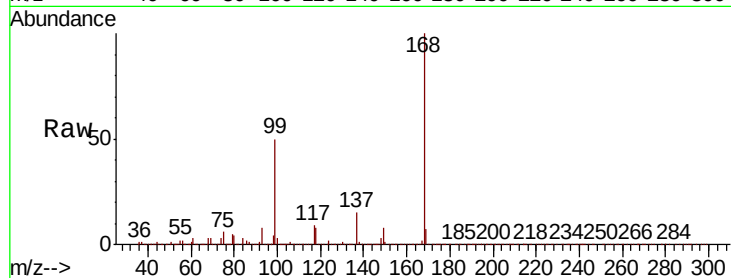




#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

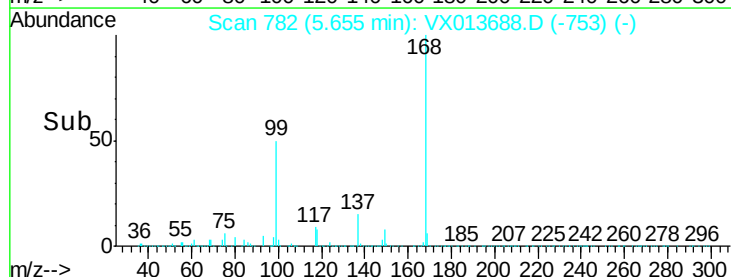
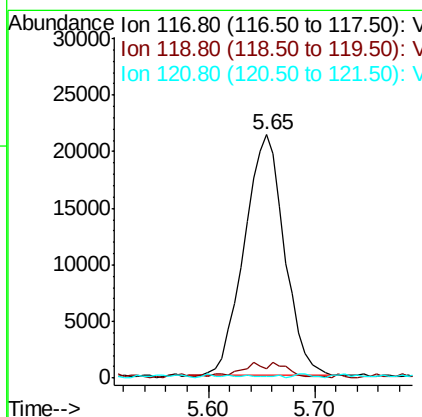
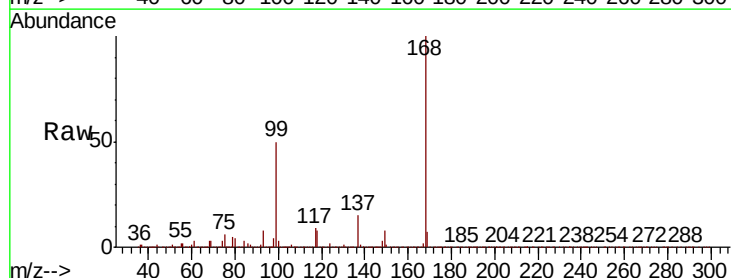
Instrument :
 MSVOA_X
 ClientSampleId :

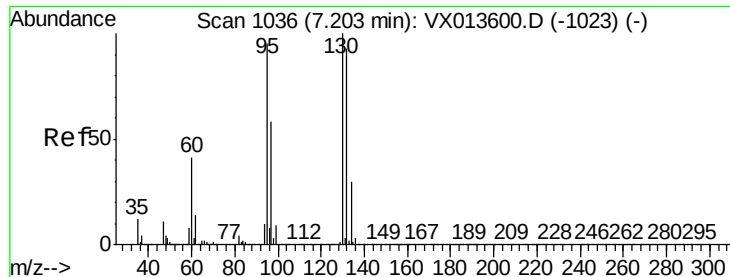
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	1.2	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.267 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	77.5	116.3#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 2.518 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

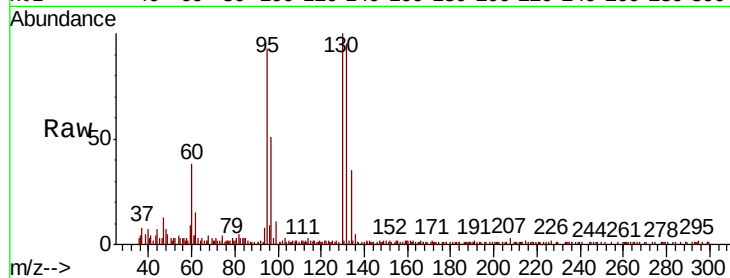
ClientSampled :

Tot Ion:130 Resp: 20553

Ion Ratio Lower Upper

130 100

95 91.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

10000

8000

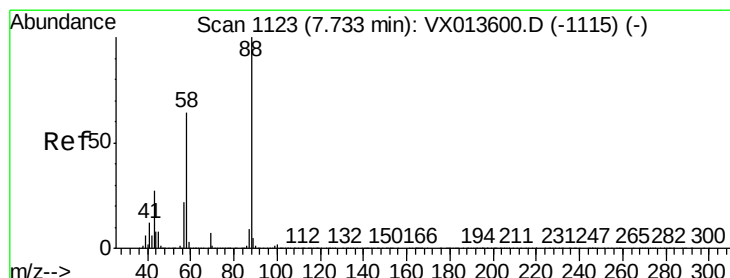
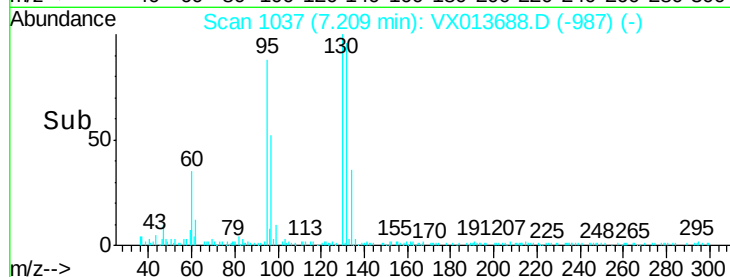
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 1.550 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

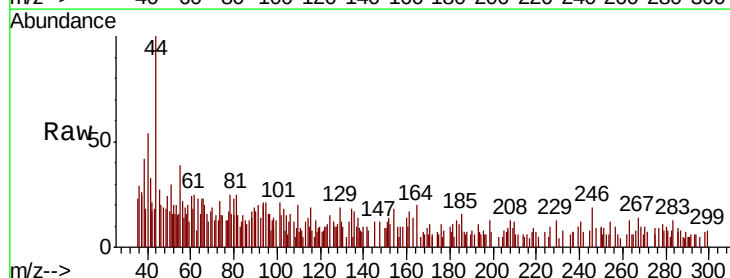
Tgt Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 30.6 54.6 82.0#



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

1000

800

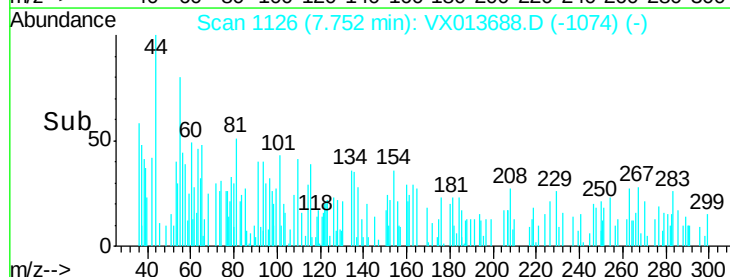
600

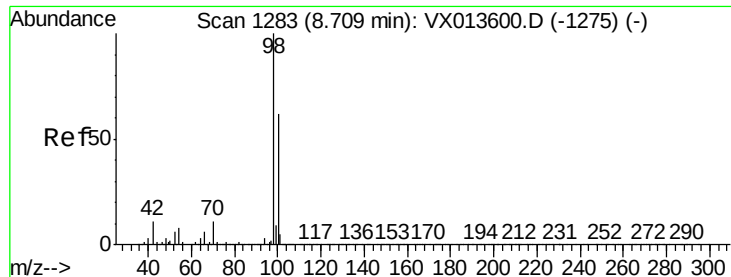
400

200

0

Time--> 7.70 7.72 7.74 7.76 7.78

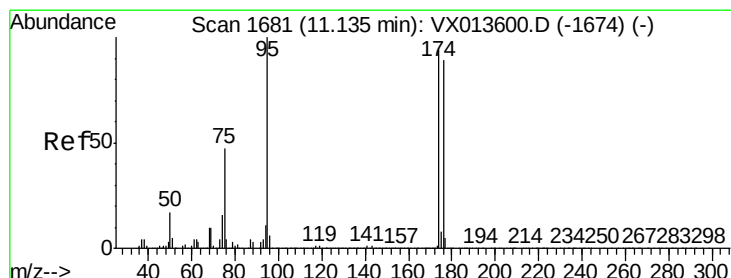
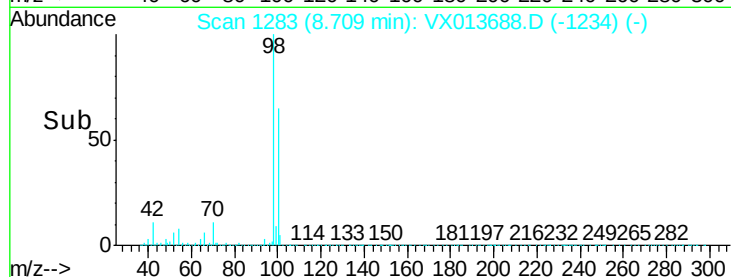
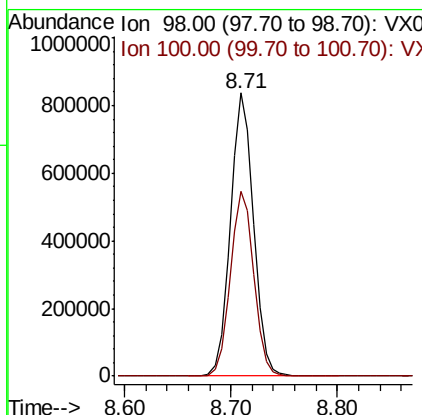
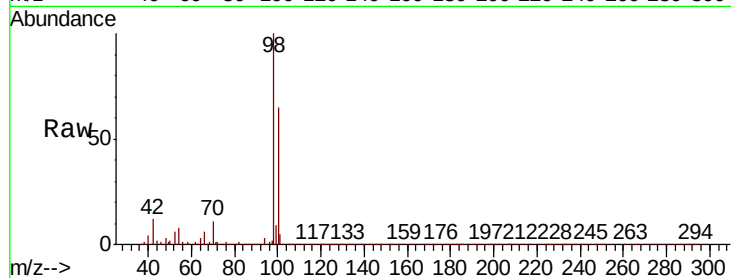




#50
Toluene-d8
Concen: 49.159 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

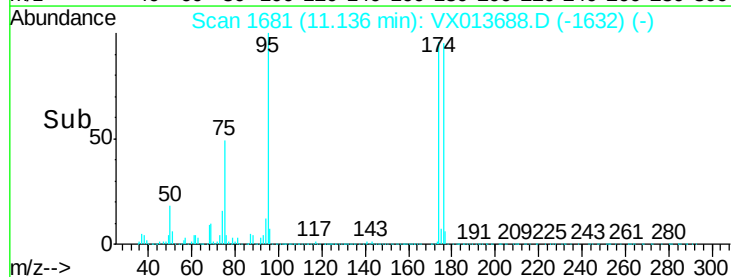
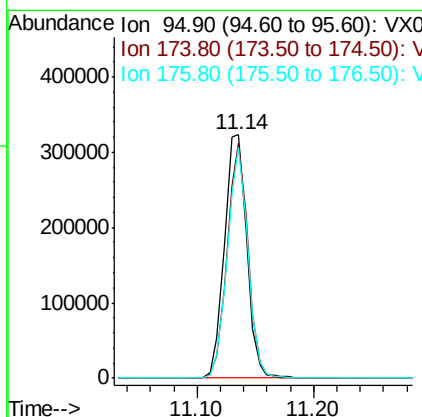
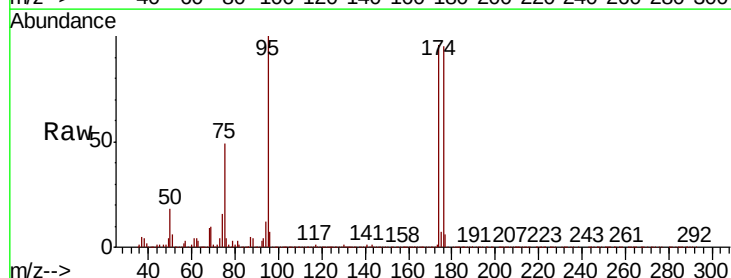
Instrument :
MSVOA_X
ClientSampleId :

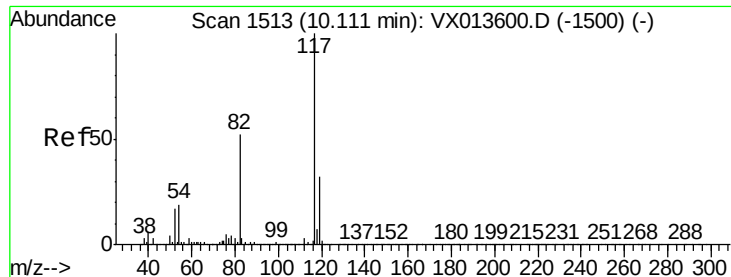
Tot Ion: 98 Resp: 1273659
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.843 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

Tgt Ion: 95 Resp: 428306
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.0
176 87.6 0.0 173.6

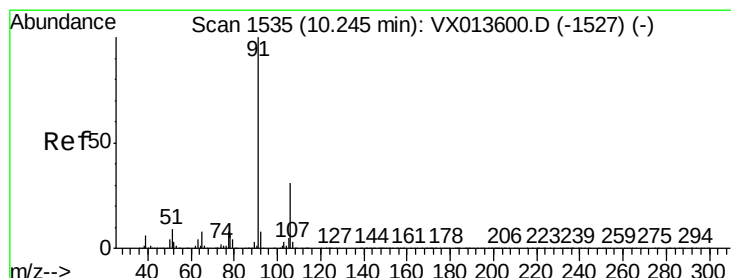
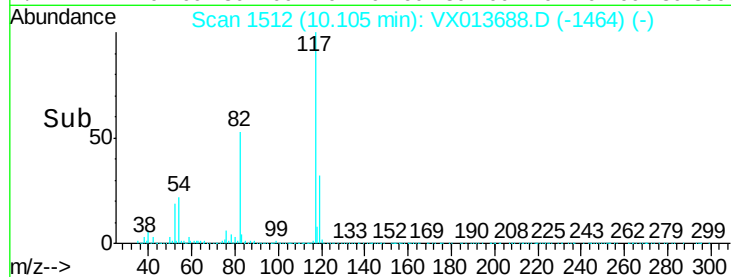
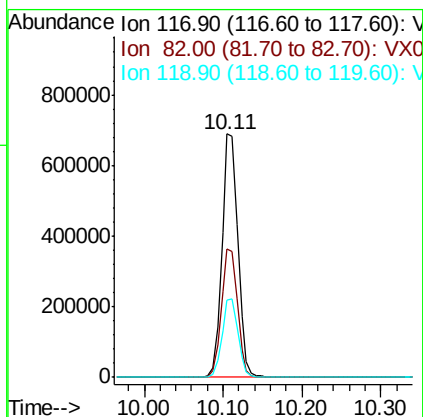
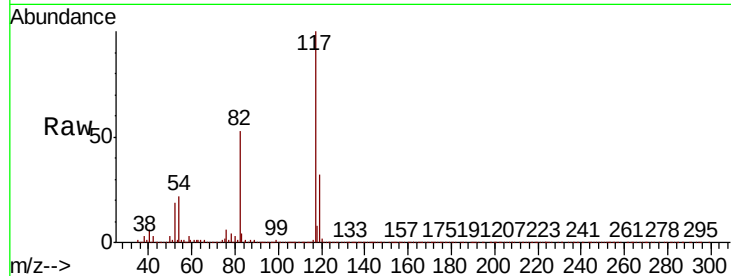




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

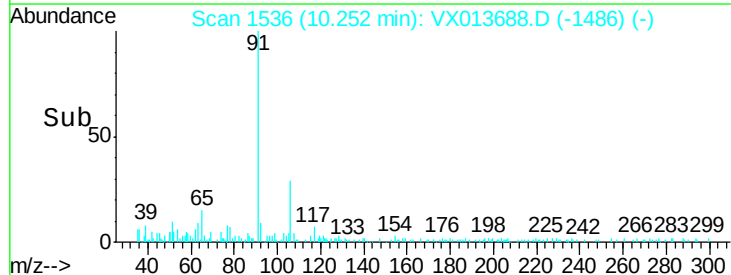
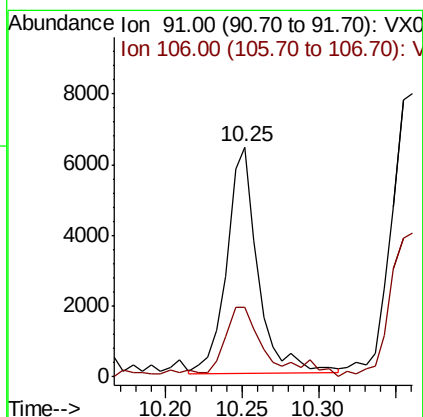
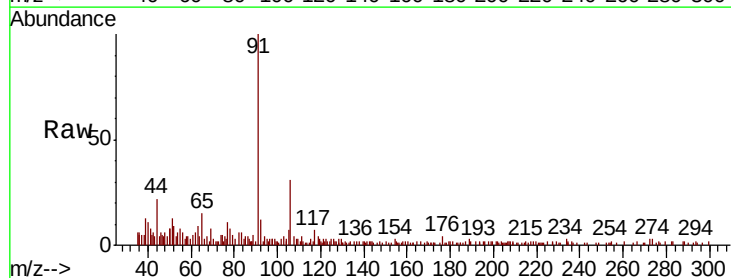
Instrument :
MSVOA_X
ClientSampleId :

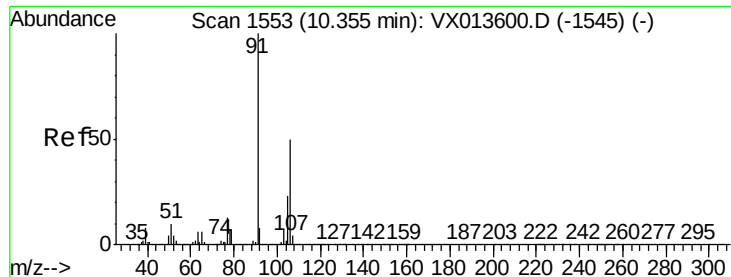
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	31.7	25.8	38.8



#67
Ethyl Benzene
Concen: 0.262 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013688.D
Acq: 28 Nov 2019 06:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.5	36.7





#68

m/p-Xvlenes

Concen: 0.515 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

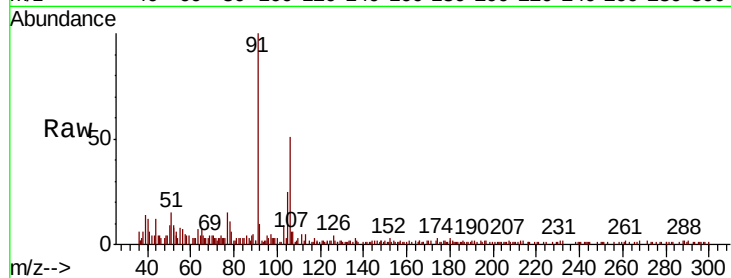
ClientSampleId :

Tot Ion:106 Resp: 6795

Ion Ratio Lower Upper

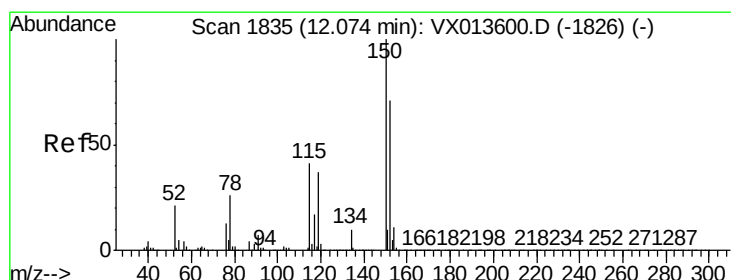
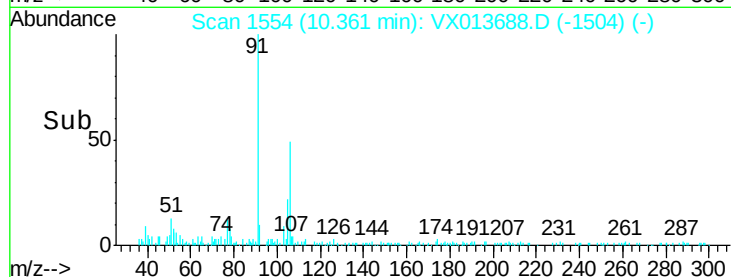
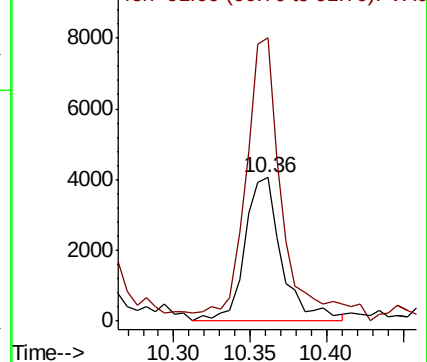
106 100

91 196.5 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

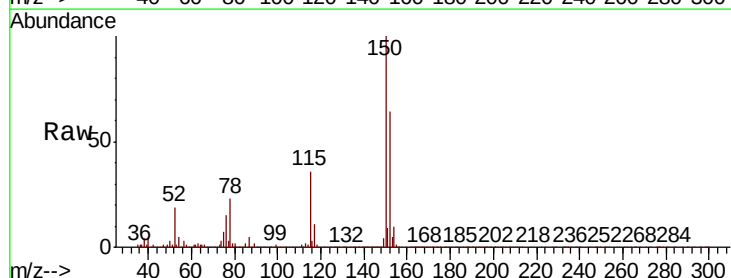
Tgt Ion:152 Resp: 429342

Ion Ratio Lower Upper

152 100

115 56.2 38.4 115.1

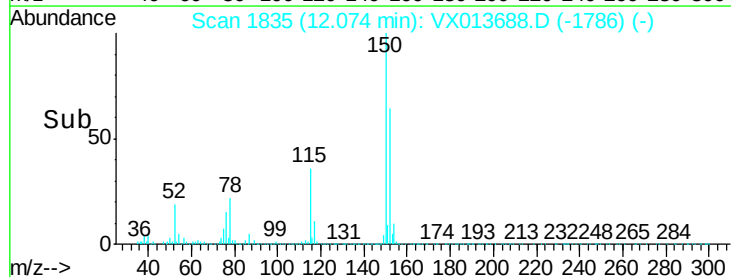
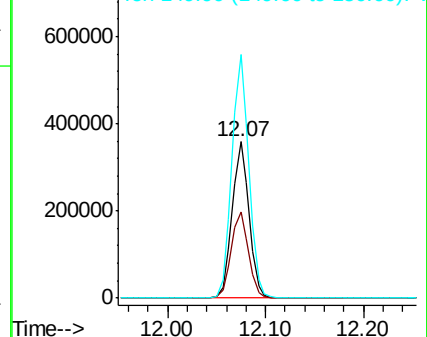
150 156.7 0.0 346.8

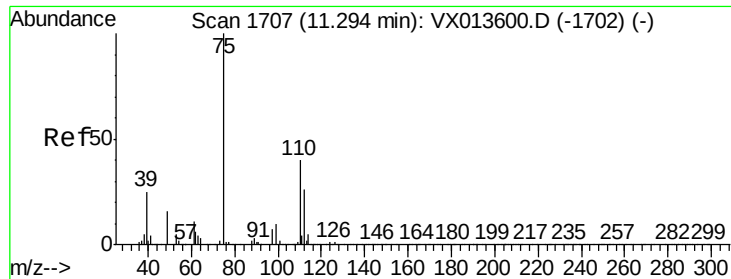


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

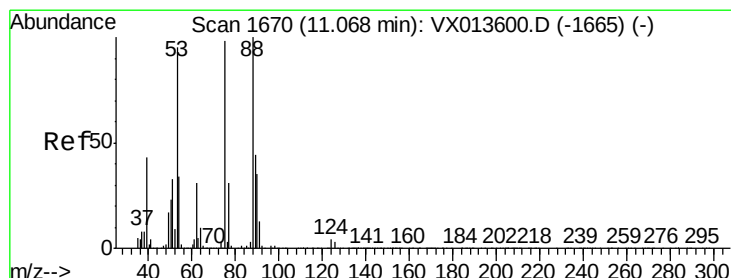
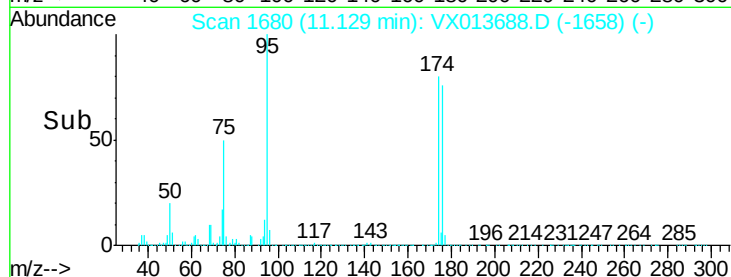
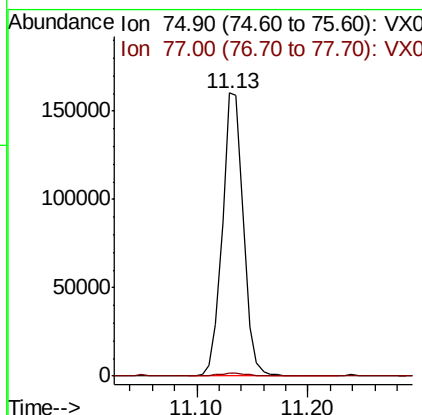
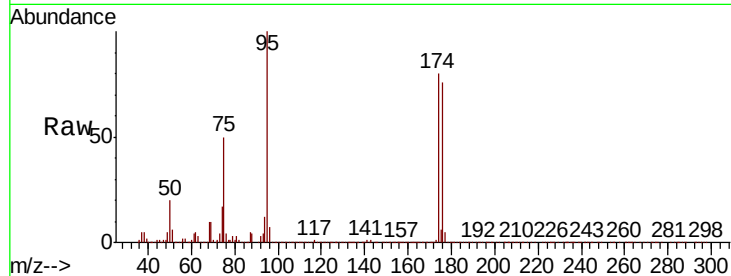




#76
 1,2,3-Trichloropropane
 Concen: 21.620 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

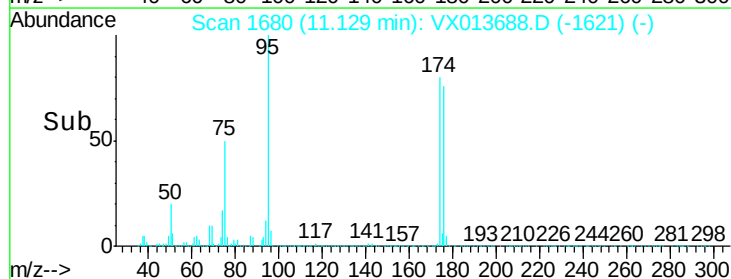
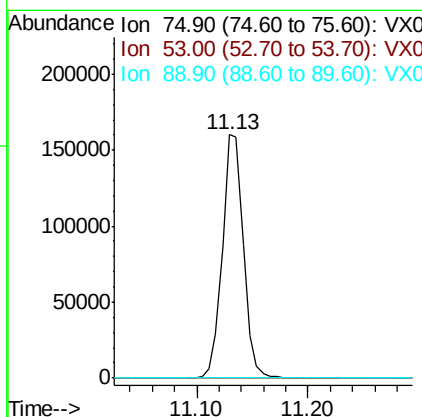
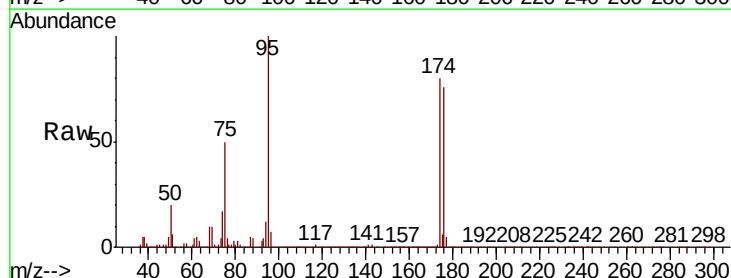
Instrument :
 MSVOA_X
 ClientSampleId :

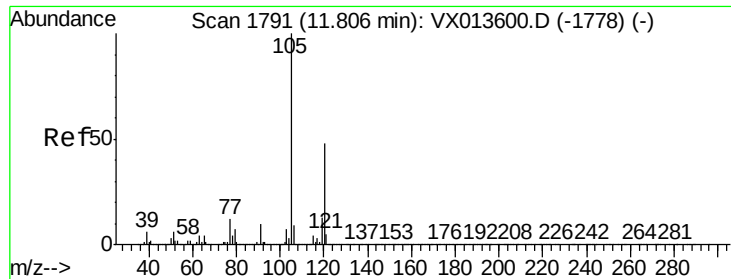
Tot Ion: 75 Resp: 208778
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.149 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Tgt Ion: 75 Resp: 208778
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.2#
 89 0.0 35.4 53.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.357 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX013688.D

Acq: 28 Nov 2019 06:14

Instrument :

MSVOA_X

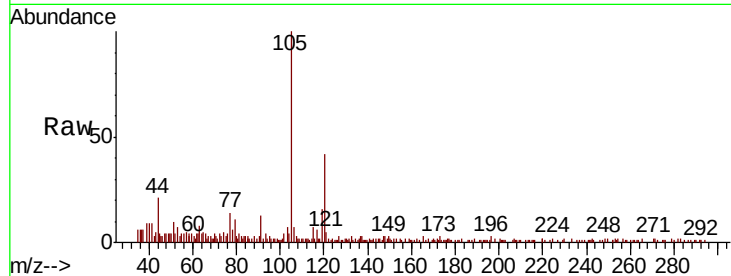
ClientSampleId :

Tot Ion:105 Resp: 8950

Ion Ratio Lower Upper

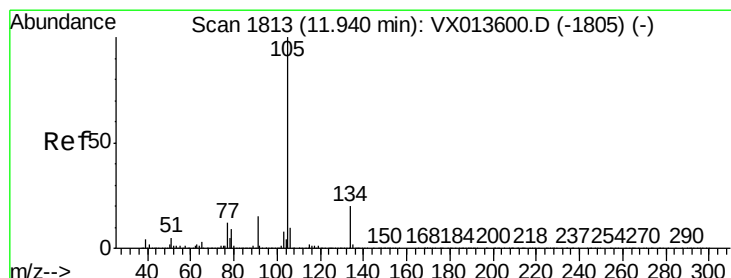
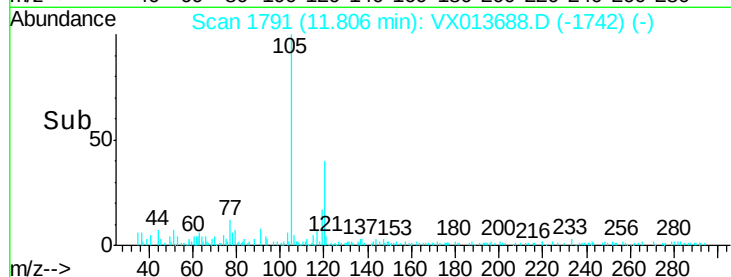
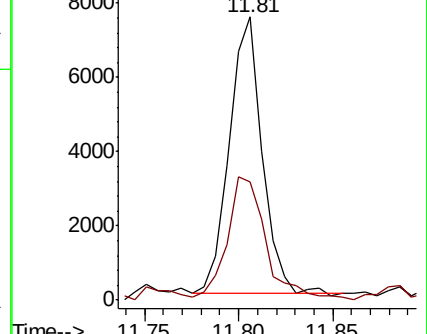
105 100

120 53.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.454 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013688.D

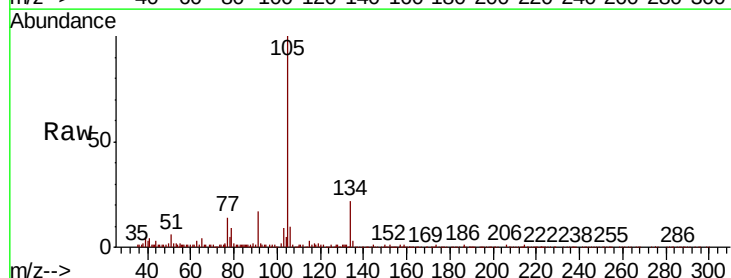
Acq: 28 Nov 2019 06:14

Tgt Ion:105 Resp: 41674

Ion Ratio Lower Upper

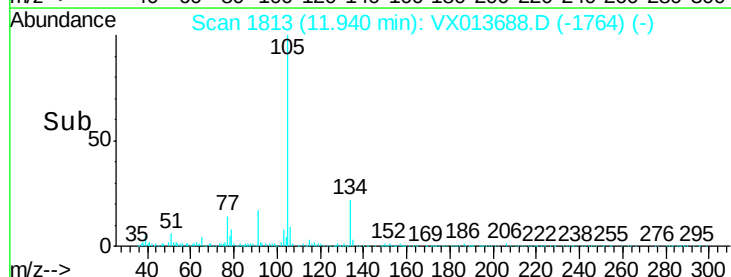
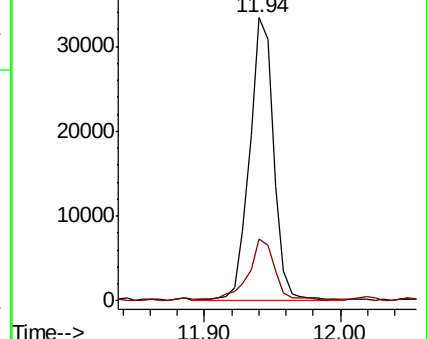
105 100

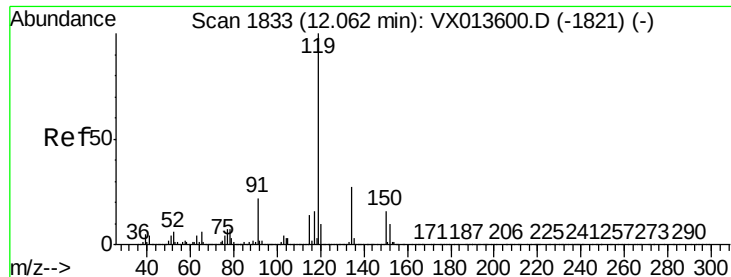
134 24.4 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

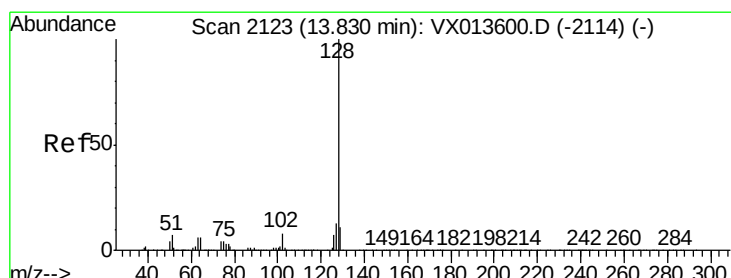
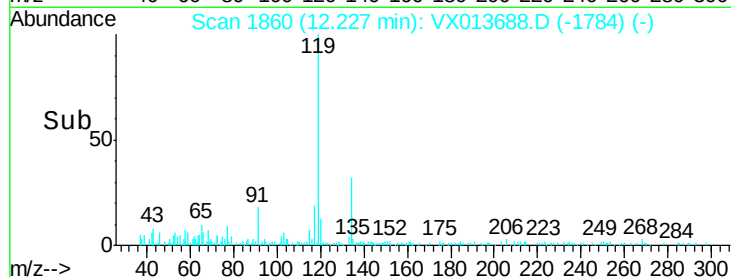
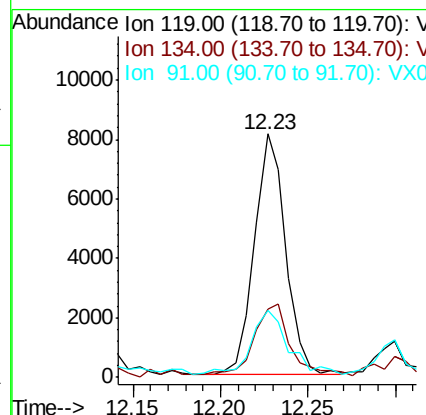
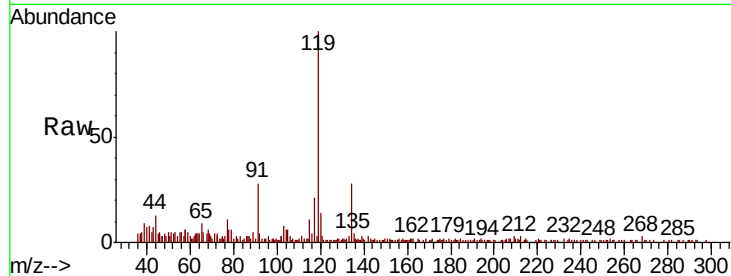




#86
 p-Isopropyltoluene
 Concen: 0.378 ug/l
 RT: 12.23 min Scan# 1860
 Delta R.T. 0.16 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	33.6	13.3	39.9
91	30.8	11.3	33.8



#95
 Naphthalene
 Concen: 0.332 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX013688.D
 Acq: 28 Nov 2019 06:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	16.7	8.7	13.1

