

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013608.D
 Acq On : 26 Nov 2019 18:56
 Operator : JC/SP
 Sample : K6002-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:41:04 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	667626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1069124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	957754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	435731	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	389246	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	320683	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	1278926	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	434611	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

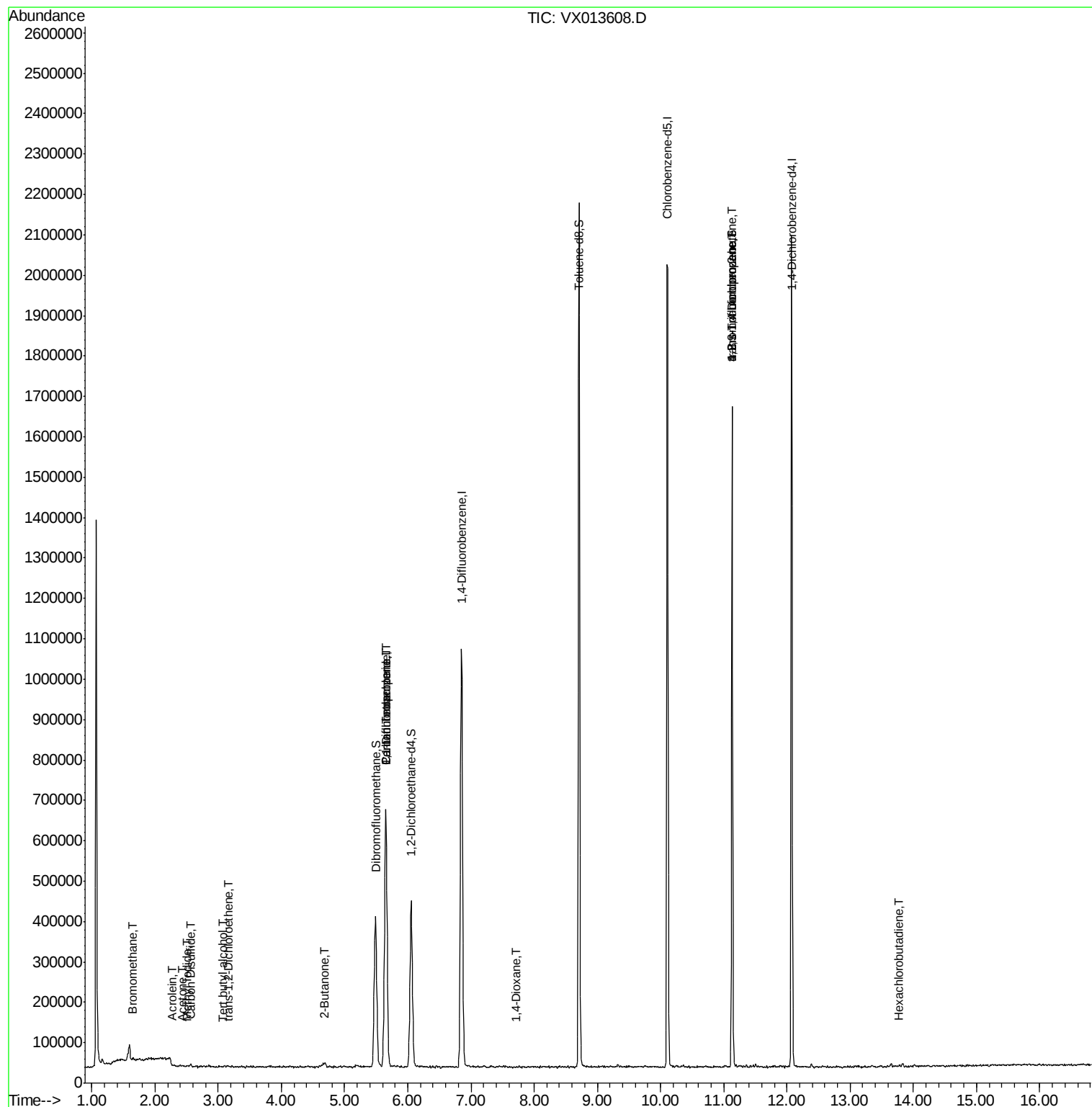
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1709	0.271	ug/l #	71
10) Methyl Iodide	2.51	142	3473	0.451	ug/l #	89
11) Tert butyl alcohol	3.07	59	440	0.230	ug/l #	1
13) Acrolein	2.27	56	1453	7.112	ug/l #	44
16) Acetone	2.44	43	1791	0.468	ug/l #	87
17) Carbon Disulfide	2.56	76	6834	0.377	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	1565	0.226	ug/l #	33
25) 2-Butanone	4.69	43	1601	0.282	ug/l #	36
36) 1,1-Dichloropropene	5.65	75	43846	4.518	ug/l #	52
38) Carbon Tetrachloride	5.65	117	57571	6.433	ug/l #	15
49) 1,4-Dioxane	7.71	88	387	1.985	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	210881	21.518	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	210881	58.869	ug/l #	11
94) Hexachlorobutadiene	13.78	225	958	0.201	ug/l	78

(#) = 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: VX013608.D

Acq: 26 Nov 2019 18:56

Instrument :

MSVOA_X

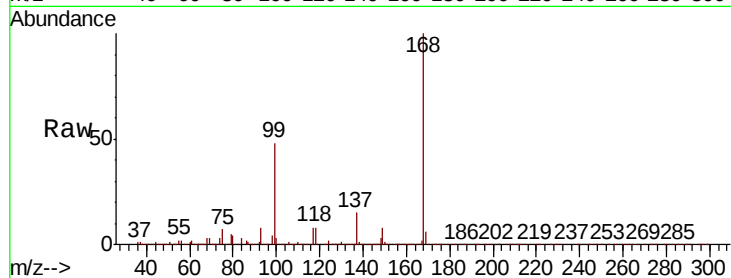
ClientSampled :

Tot Ion:168 Resp: 667626

Ion Ratio Lower Upper

168 100

99 47.8 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

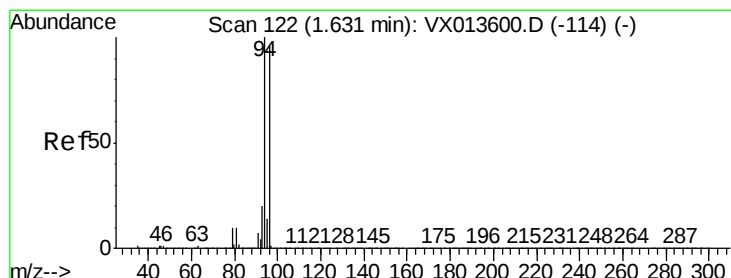
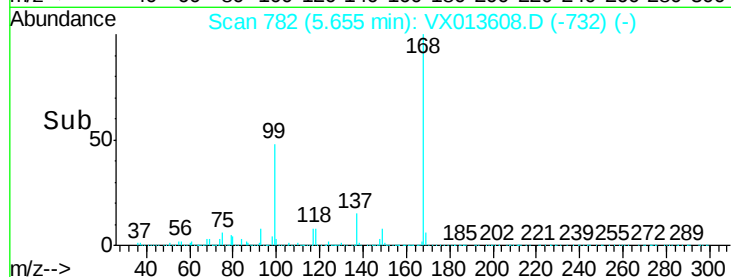
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.271 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013608.D

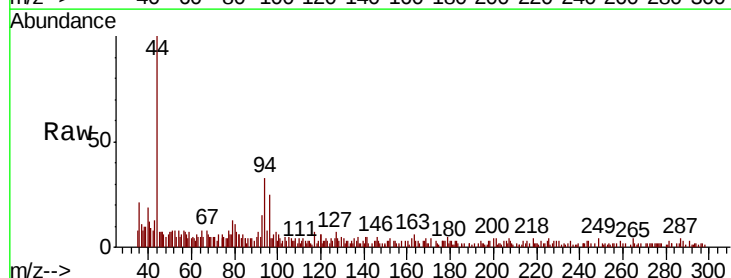
Acq: 26 Nov 2019 18:56

Tgt Ion: 94 Resp: 1709

Ion Ratio Lower Upper

94 100

96 68.3 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

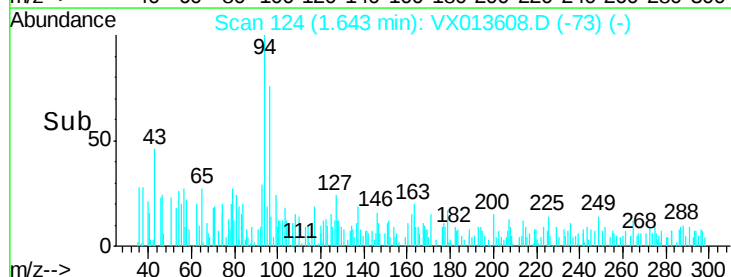
1000

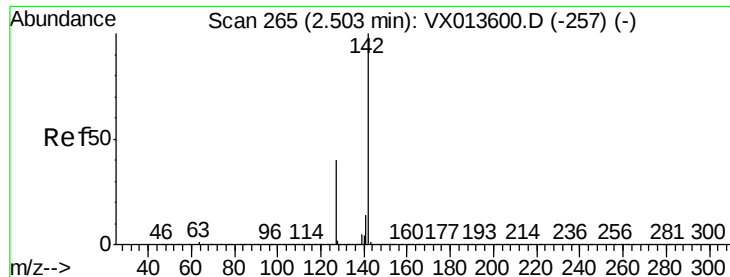
500

0

Time-->

1.60 1.65 1.70

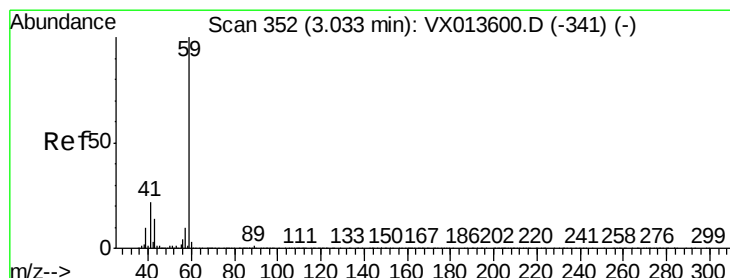
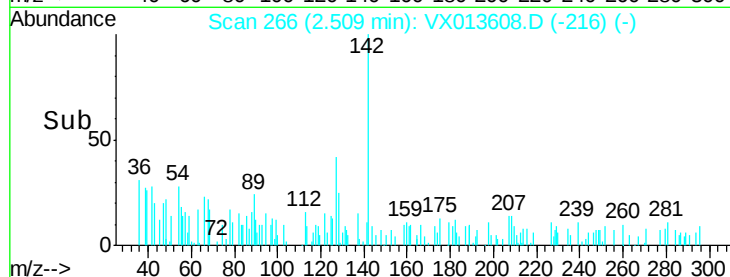
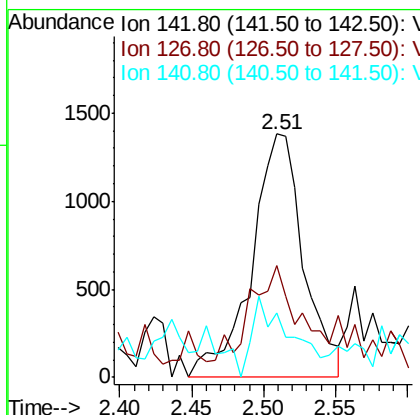
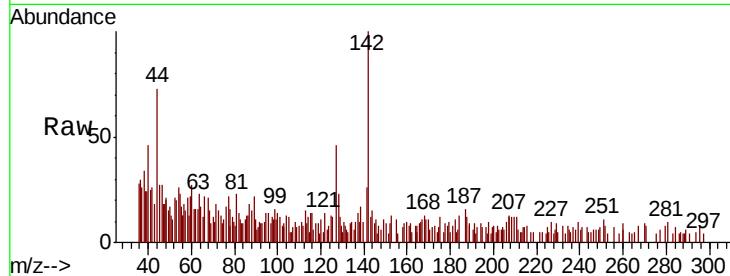




#10
Methvl Iodide
Concen: 0.451 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

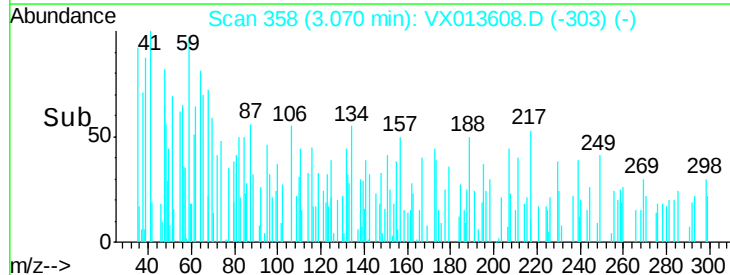
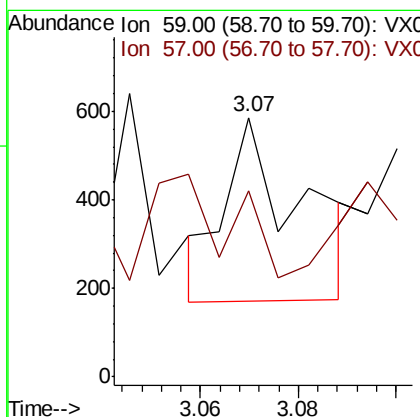
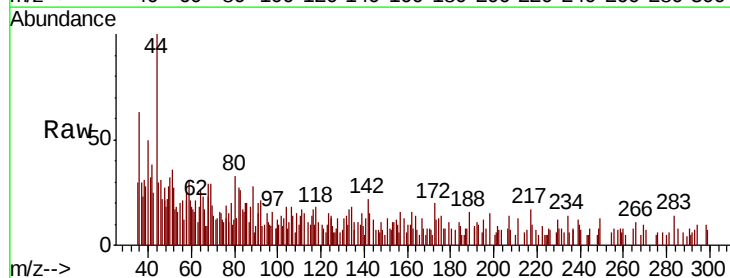
Instrument :
MSVOA_X
ClientSampleId :

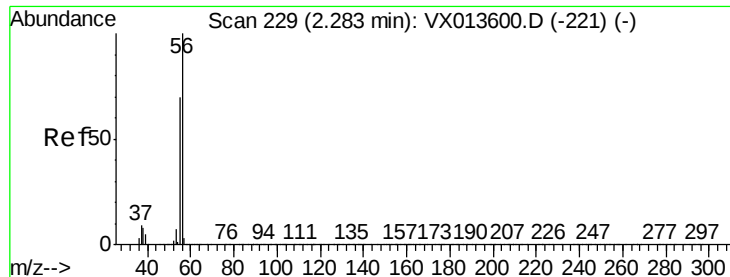
Tot Ion:142 Resp: 3473
Ion Ratio Lower Upper
142 100
127 35.0 31.0 46.4
141 24.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 3.07 min Scan# 358
Delta R.T. 0.04 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

Tgt Ion: 59 Resp: 440
Ion Ratio Lower Upper
59 100
57 84.3 7.8 11.6#





#13

Acrolein

Concen: 7.112 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

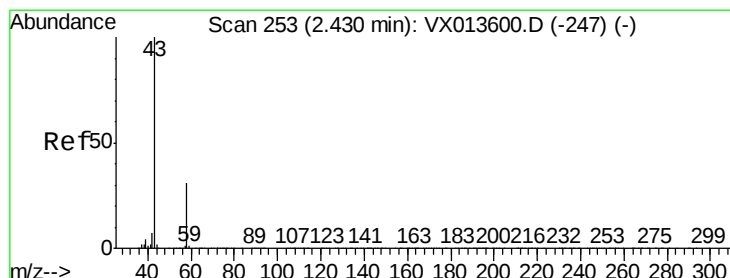
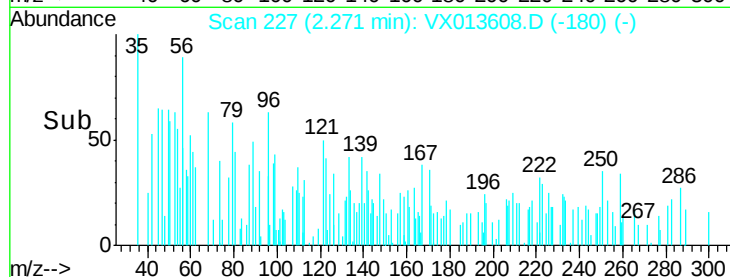
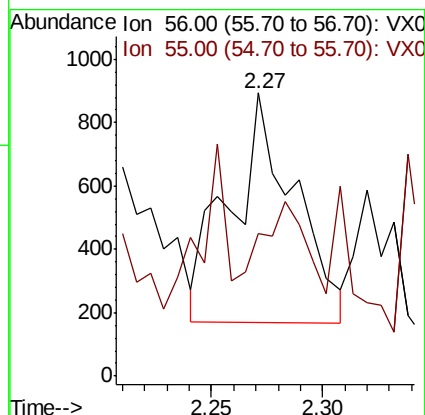
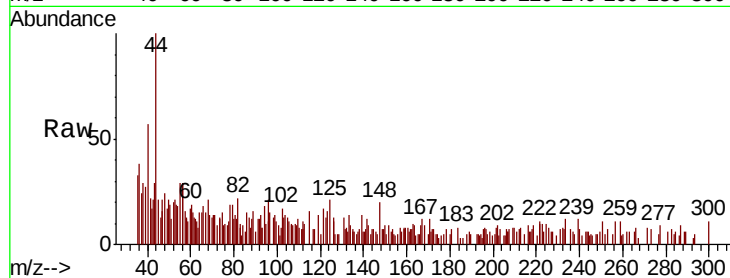
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 1453

Ion Ratio Lower Upper

56 100

55 24.6 56.2 84.4#



#16

Acetone

Concen: 0.468 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013608.D

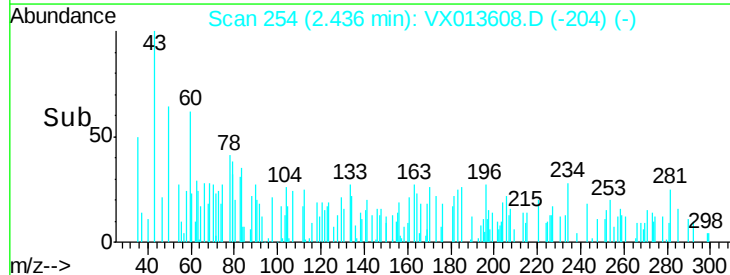
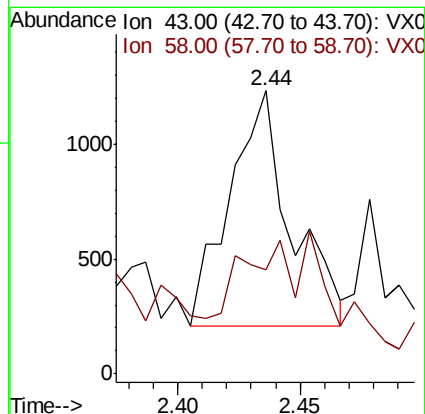
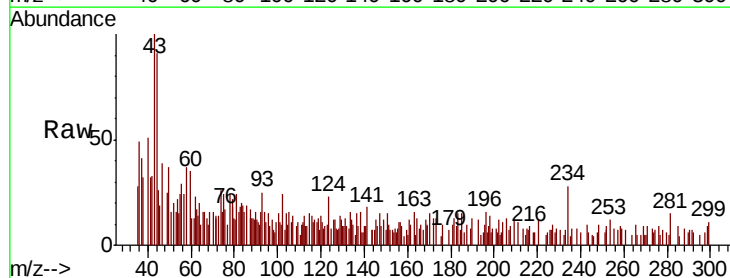
Acq: 26 Nov 2019 18:56

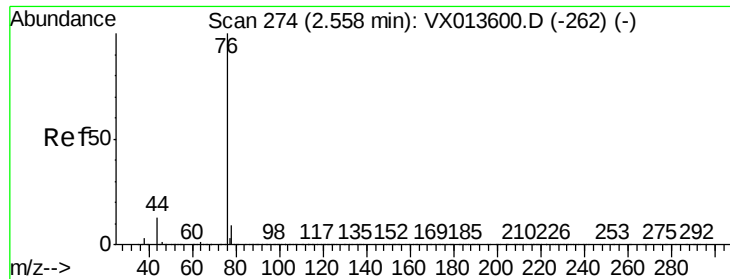
Tgt Ion: 43 Resp: 1791

Ion Ratio Lower Upper

43 100

58 23.8 24.6 36.8#

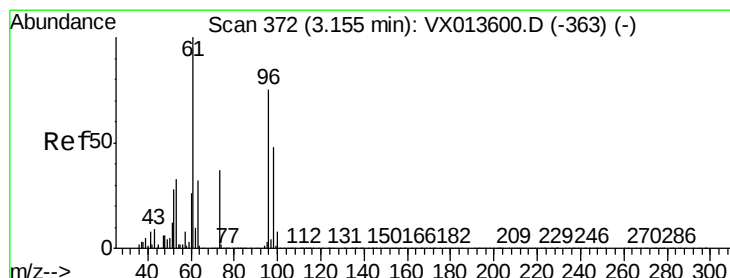
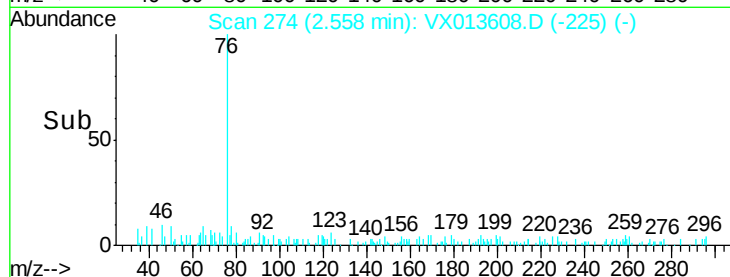
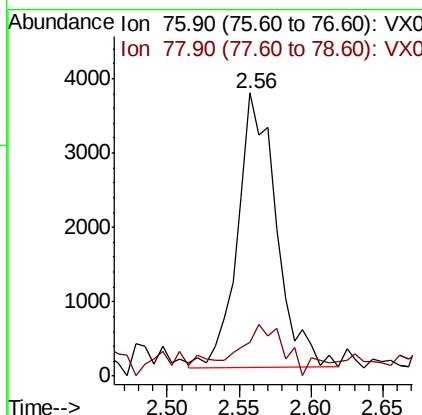
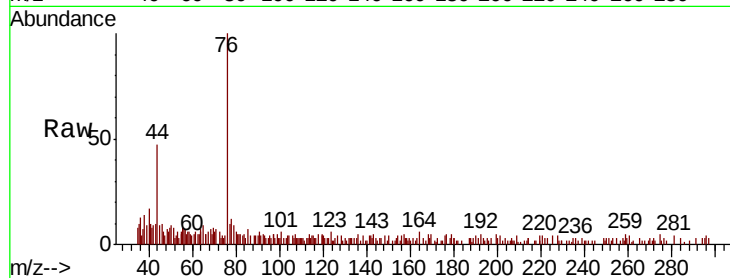




#17
Carbon Disulfide
Concen: 0.377 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

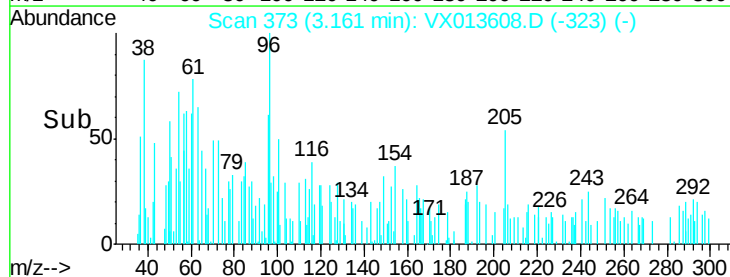
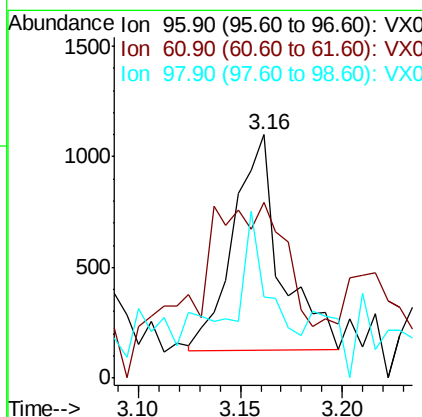
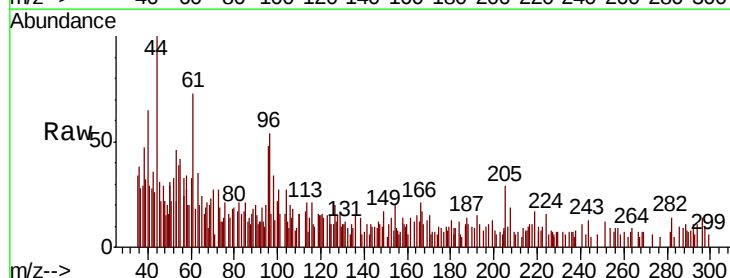
Instrument :
MSVOA_X
ClientSampleId :

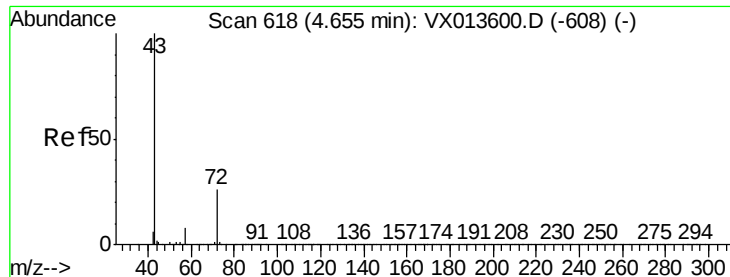
Tot Ion: 76 Resp: 6834
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#21
trans-1,2-Dichloroethene
Concen: 0.226 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

Tgt Ion: 96 Resp: 1565
Ion Ratio Lower Upper
96 100
61 56.9 107.2 160.8#
98 7.5 51.4 77.0#





#25

2-Butanone

Concen: 0.282 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

Instrument :

MSVOA_X

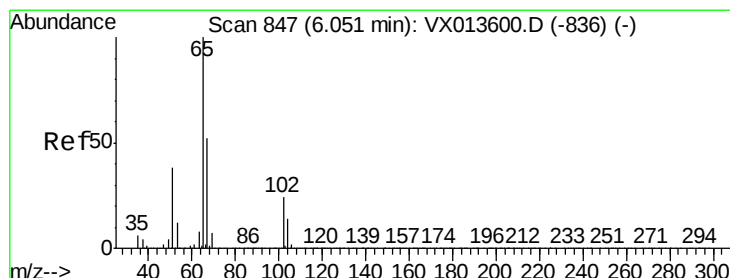
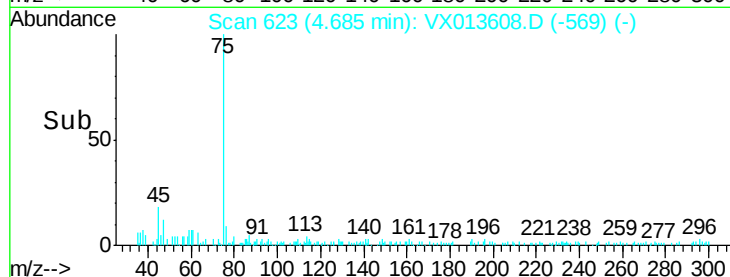
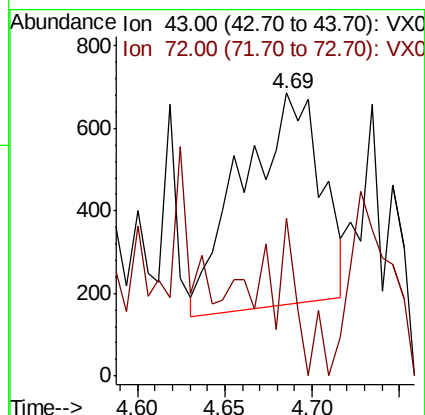
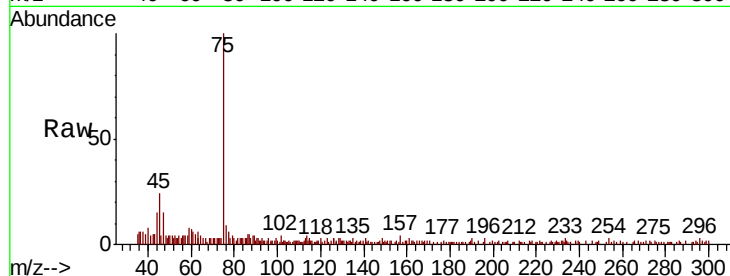
ClientSampleId :

Tot Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

72 58.2 20.6 31.0#



#33

1,2-Dichloroethane-d4

Concen: 50.228 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013608.D

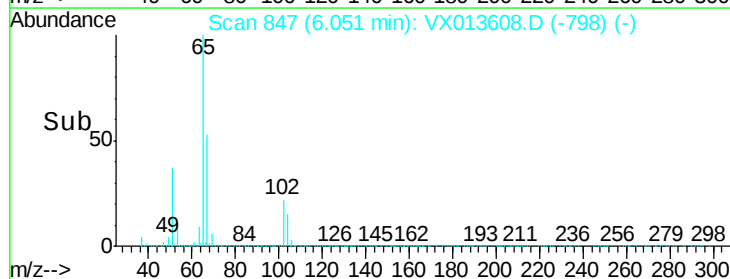
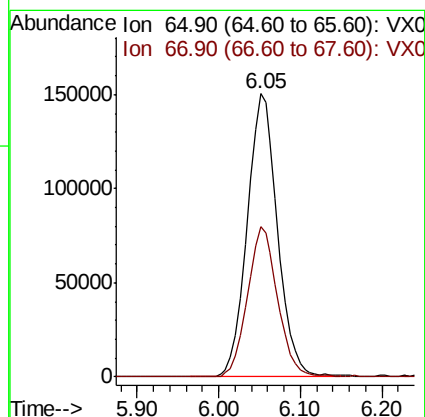
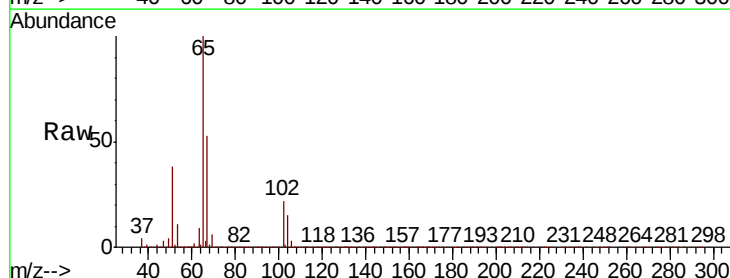
Acq: 26 Nov 2019 18:56

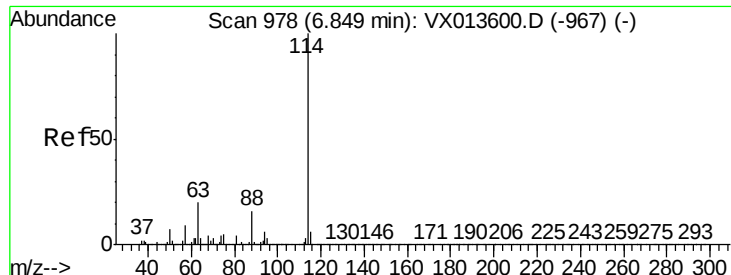
Tgt Ion: 65 Resp: 389246

Ion Ratio Lower Upper

65 100

67 52.2 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: VX013608.D

Acq: 26 Nov 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :

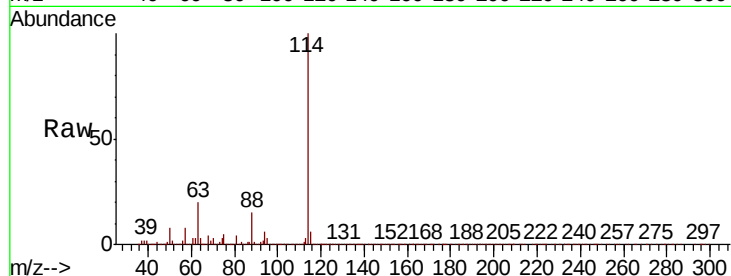
Tot Ion:114 Resp: 1069124

Ion Ratio Lower Upper

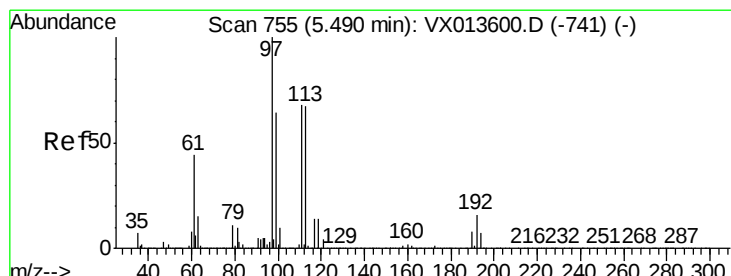
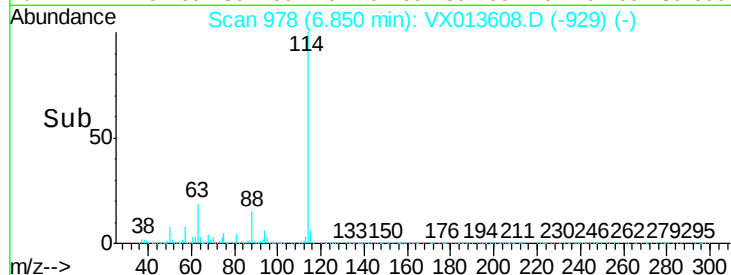
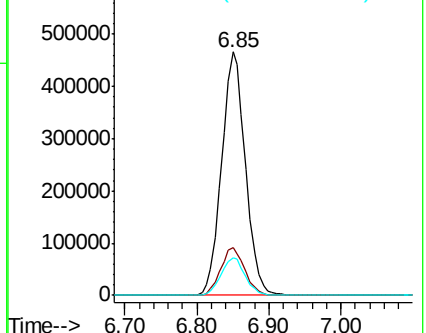
114 100

63 19.4 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: 48.519 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

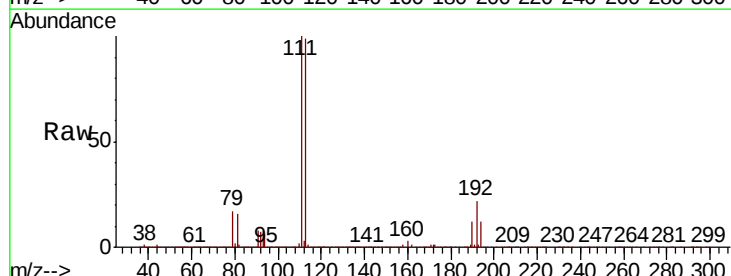
Tgt Ion:113 Resp: 320683

Ion Ratio Lower Upper

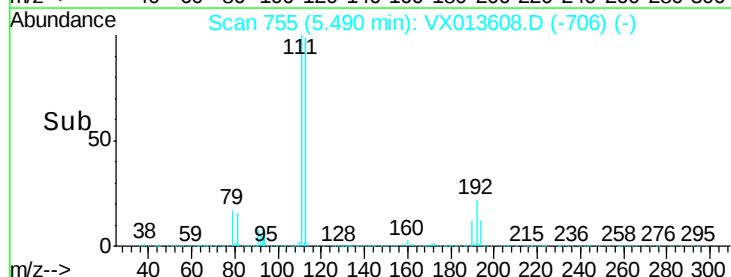
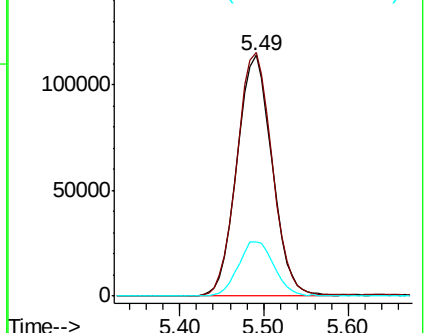
113 100

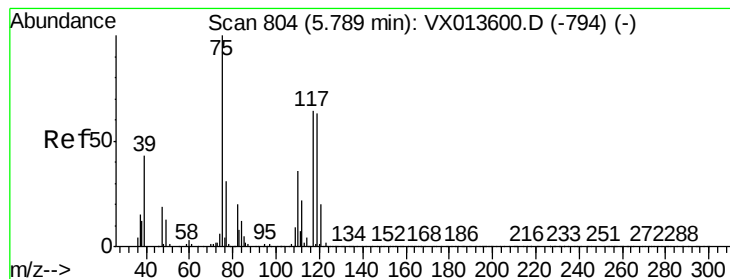
111 102.0 83.6 125.4

192 23.0 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# 781

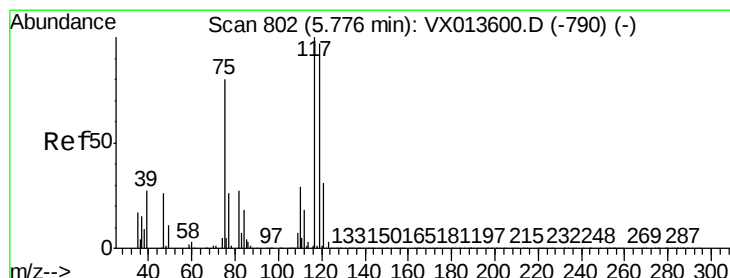
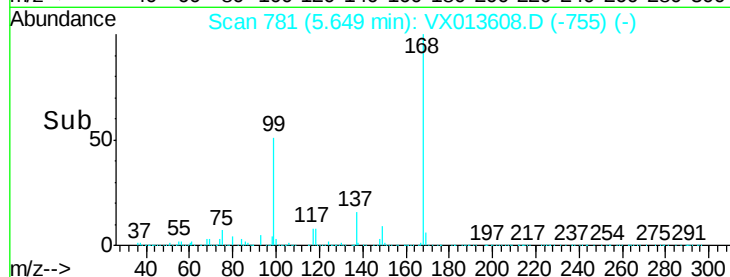
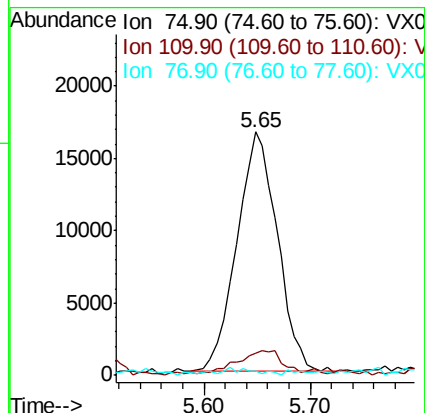
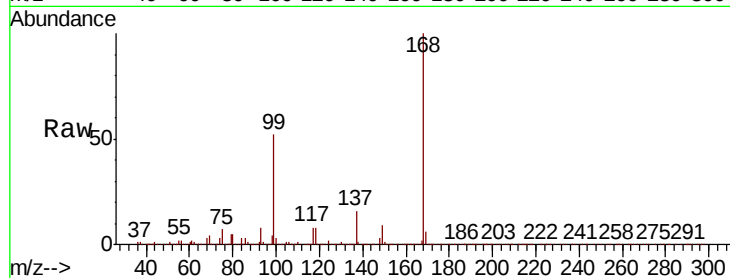
Delta R.T. -0.14 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

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Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	18.1	54.1#
77	0.0	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.433 ug/l

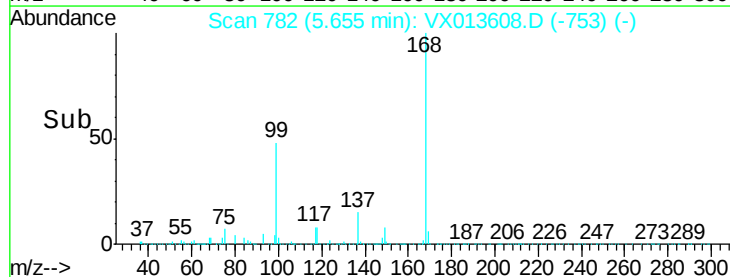
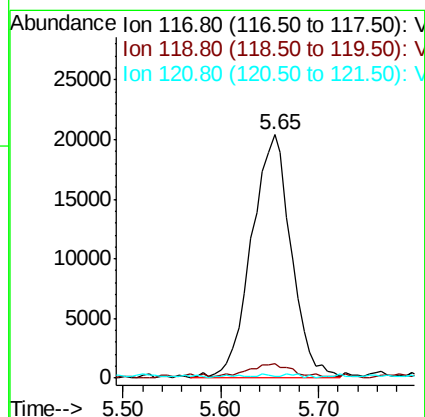
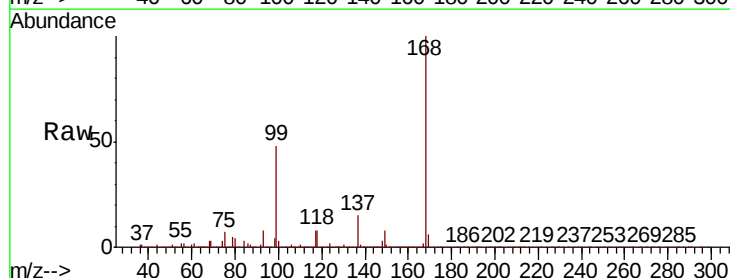
RT: 5.65 min Scan# 782

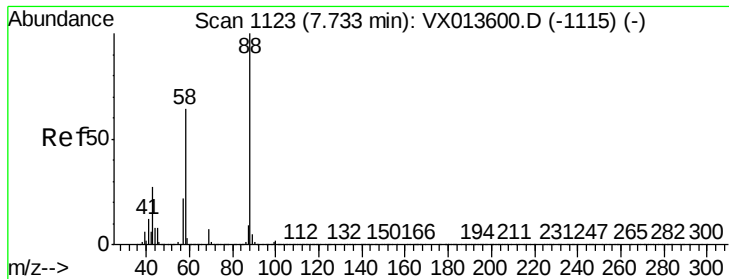
Delta R.T. -0.12 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.5	116.3#
121	0.0	25.0	37.6#

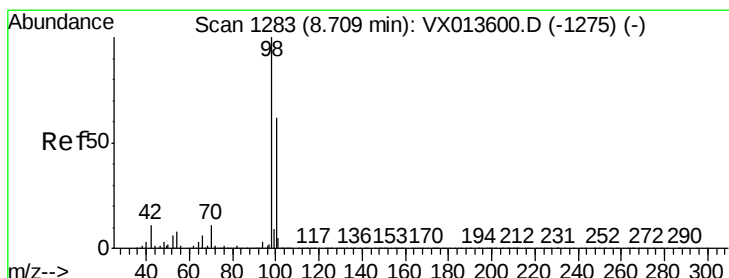
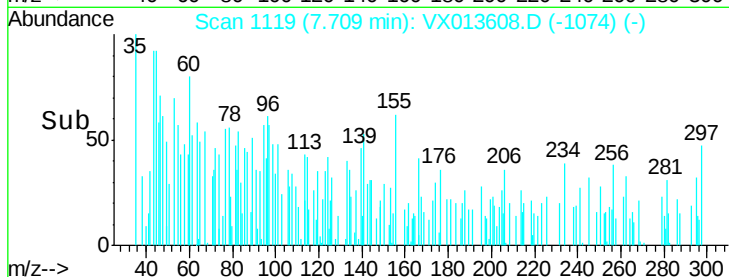
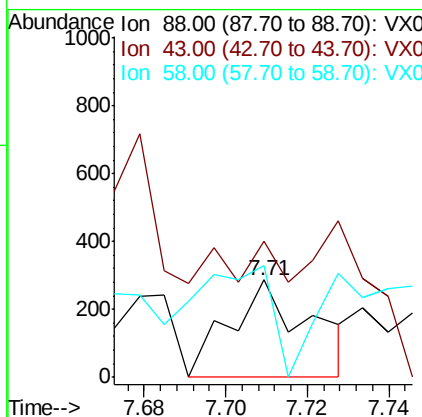
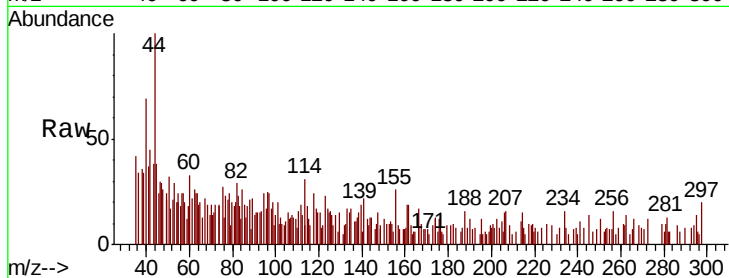




#49
1,4-Dioxane
Concen: 1.985 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

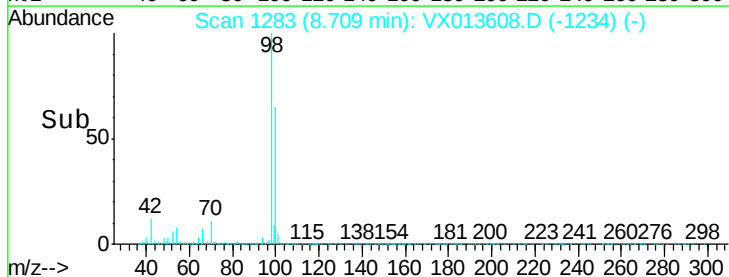
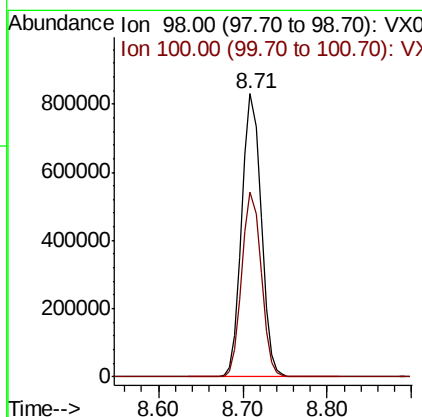
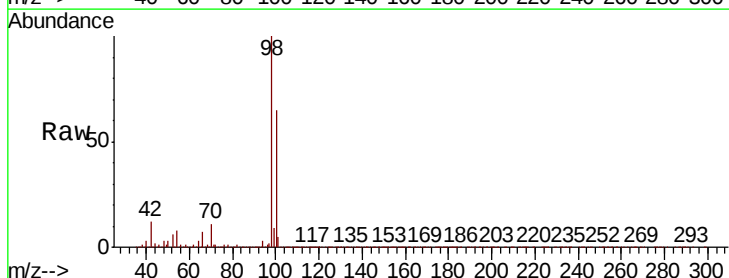
Instrument :
MSVOA_X
ClientSampled :

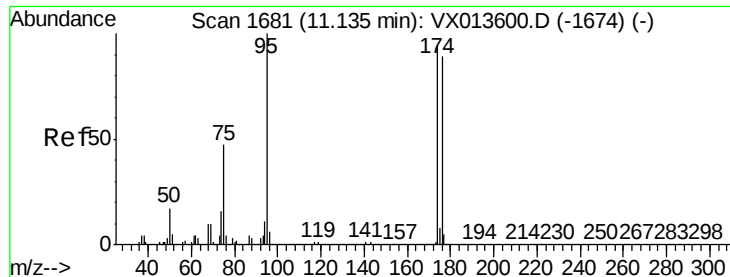
Tot Ion: 88 Resp: 387
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 108.3 54.6 82.0#



#50
Toluene-d8
Concen: 49.665 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

Tgt Ion: 98 Resp: 1278926
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.803 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

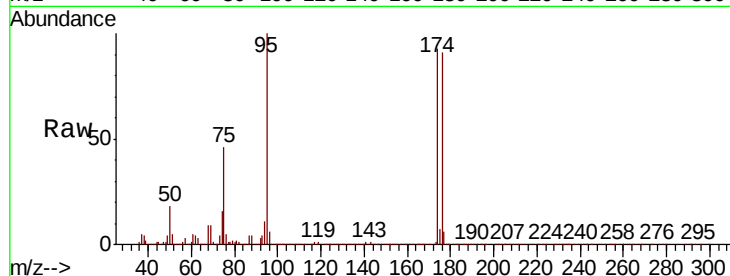
Tot Ion: 95 Resp: 434611

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

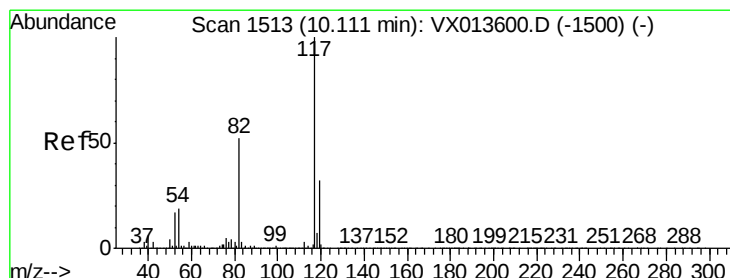
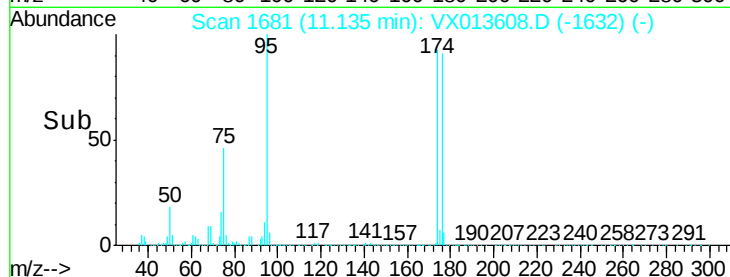
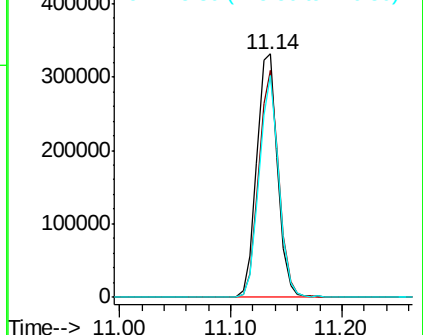
176 86.3 0.0 173.6



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: VX013608.D

Acq: 26 Nov 2019 18:56

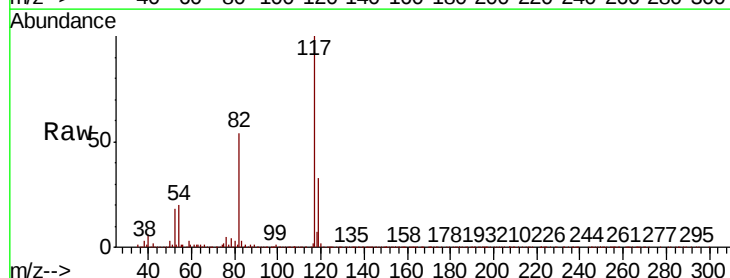
Tgt Ion: 117 Resp: 957754

Ion Ratio Lower Upper

117 100

82 53.6 41.8 62.8

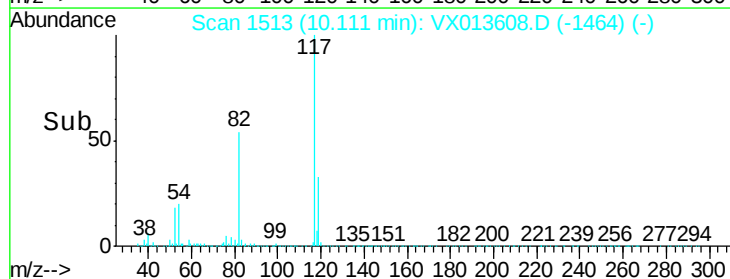
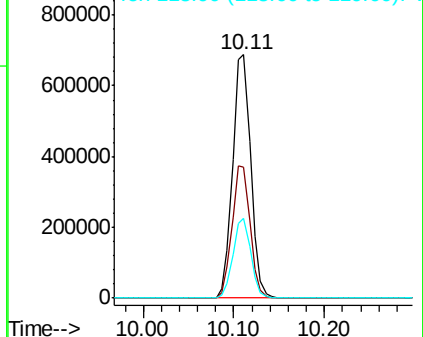
119 32.6 25.8 38.8

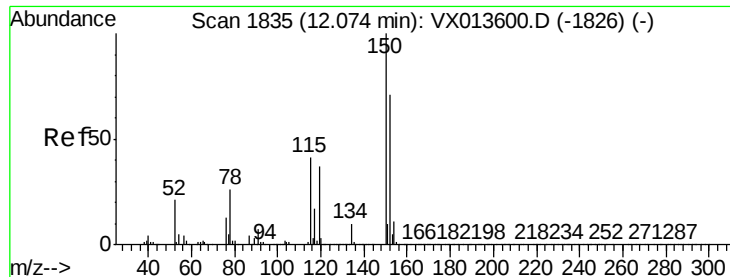


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



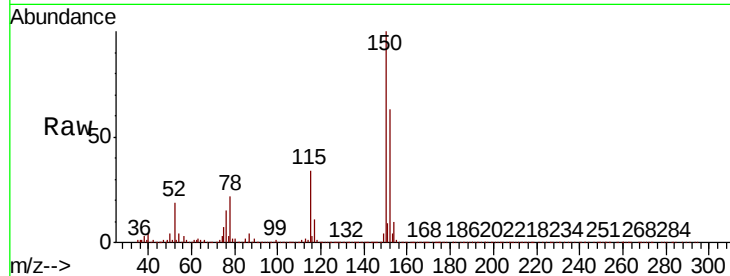


#72

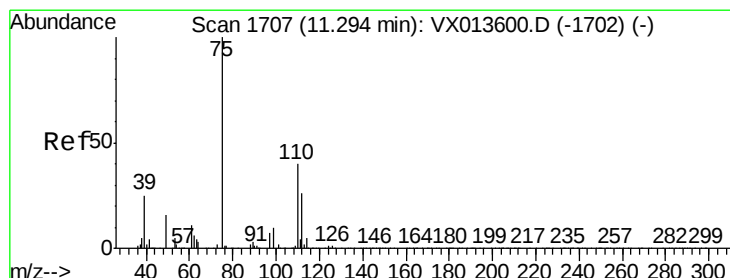
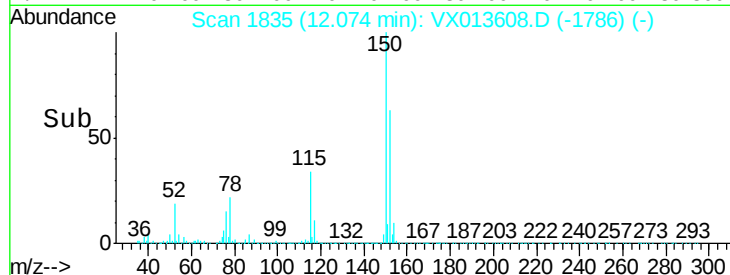
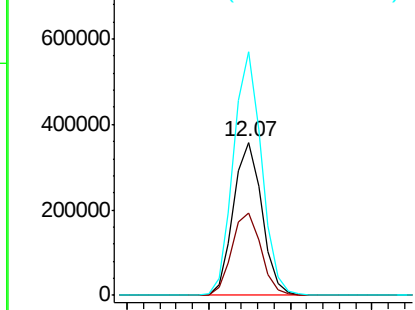
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.4	115.1
150	157.2	0.0	346.8



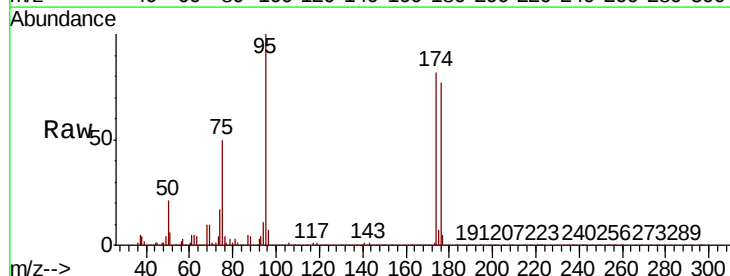
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



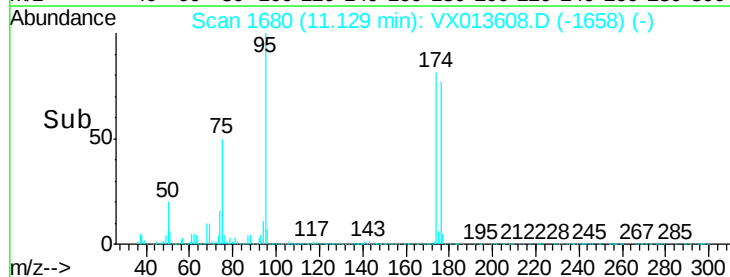
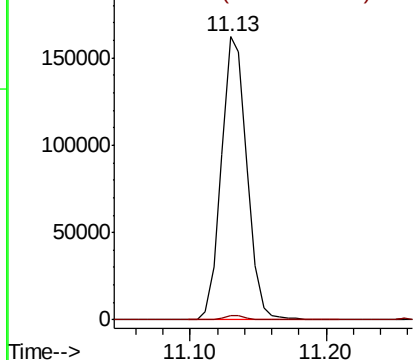
#76

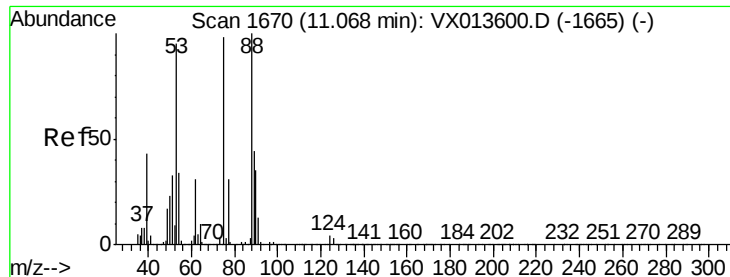
1,2,3-Trichloropropane
Concen: 21.518 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013608.D
Acq: 26 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	19.1	57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.869 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

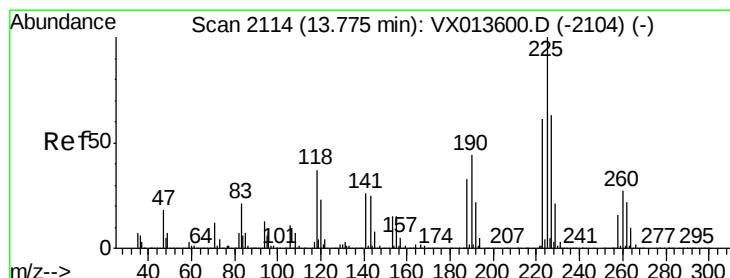
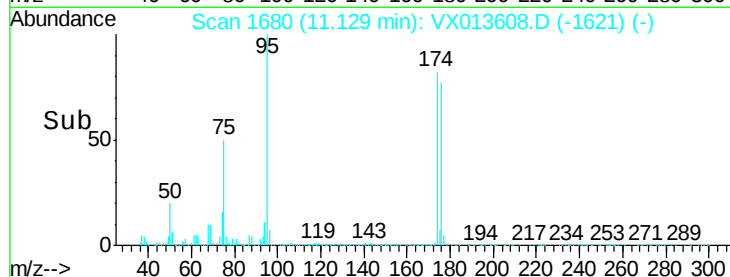
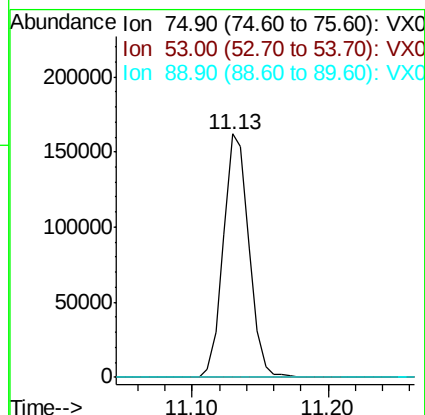
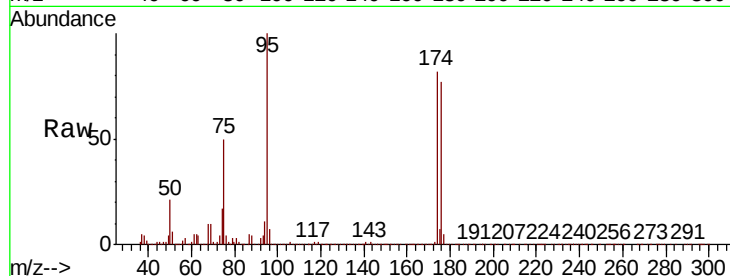
Tot Ion: 75 Resp: 210881

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#



#94

Hexachlorobutadiene

Concen: 0.201 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX013608.D

Acq: 26 Nov 2019 18:56

Tgt Ion: 225 Resp: 958

Ion Ratio Lower Upper

225 100

223 94.8 31.9 95.5

227 60.6 32.1 96.3

