

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112619\
 Data File : VX013604.D
 Acq On : 26 Nov 2019 17:17
 Operator : JC/SP
 Sample : VX1126WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBL01

Quant Time: Nov 26 17:54:33 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	675215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1083438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	955305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	422982	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	392480	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	5.48	113	325253	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	1283469	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	429850	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

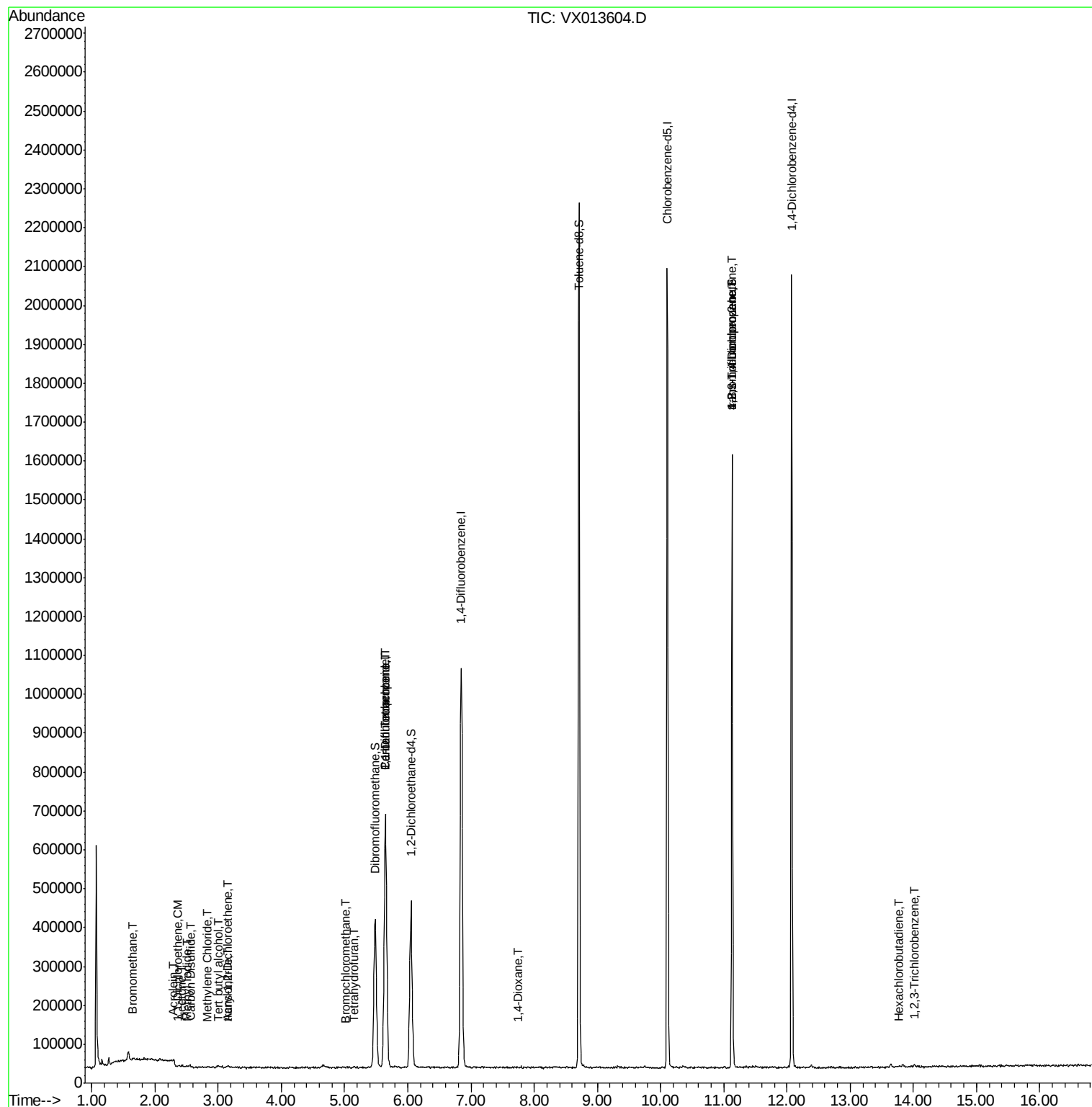
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2923	0.459	ug/l	84
10) Methyl Iodide	2.50	142	2759	0.354	ug/l #	85
11) Tert butyl alcohol	3.00	59	3266	1.688	ug/l #	85
12) 1,1-Dichloroethene	2.36	96	1332	0.207	ug/l #	6
13) Acrolein	2.28	56	871	6.661	ug/l	88
15) Acrylonitrile	3.15	53	1099	0.275	ug/l	94
16) Acetone	2.42	43	4163	1.076	ug/l	92
17) Carbon Disulfide	2.56	76	8301	0.453	ug/l #	80
20) Methylene Chloride	2.84	84	2255	0.303	ug/l #	46
21) trans-1,2-Dichloroethene	3.16	96	1985	0.284	ug/l #	61
28) Bromochloromethane	5.01	49	1198	0.235	ug/l #	41
29) Tetrahydrofuran	5.14	42	1911	0.539	ug/l #	48
36) 1,1-Dichloropropene	5.64	75	47036	4.783	ug/l #	50
38) Carbon Tetrachloride	5.65	117	59497	6.561	ug/l #	16
49) 1,4-Dioxane	7.75	88	54	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	208947	21.963	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	208947	60.087	ug/l #	11
94) Hexachlorobutadiene	13.78	225	1073	0.232	ug/l	94
96) 1,2,3-Trichlorobenzene	14.02	180	2831	0.297	ug/l	84

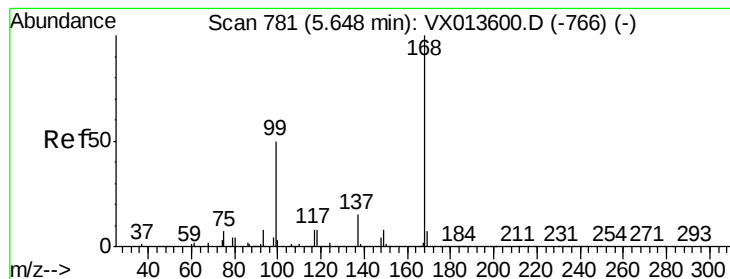
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Nov 26 17:54:33 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# 781

Delta R.T. -0.00 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

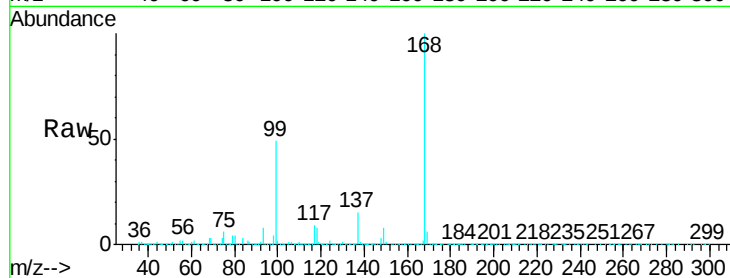
VX1126WBL01

Tgt Ion: 168 Resp: 675215

Ion Ratio Lower Upper

168 100

99 48.9 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

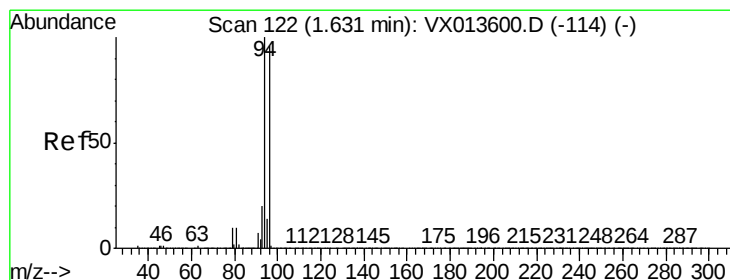
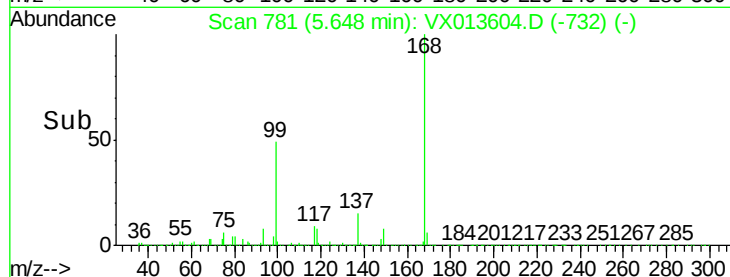
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.459 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013604.D

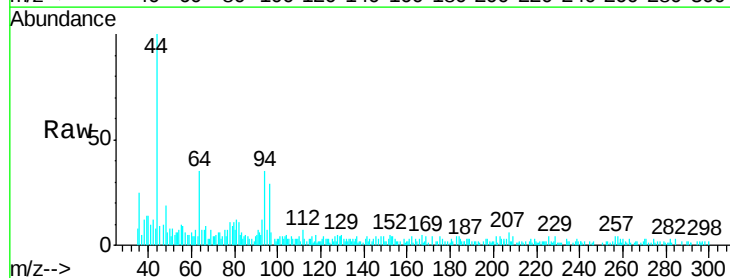
Acq: 26 Nov 2019 17:17

Tgt Ion: 94 Resp: 2923

Ion Ratio Lower Upper

94 100

96 80.2 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

2000

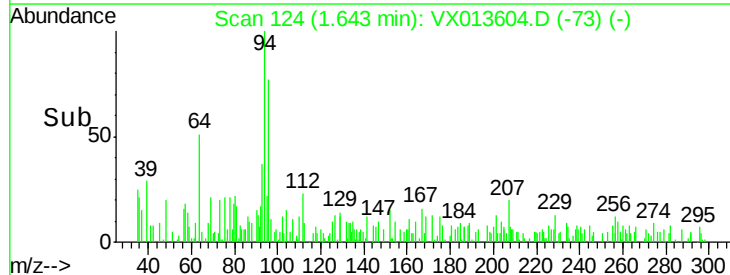
1500

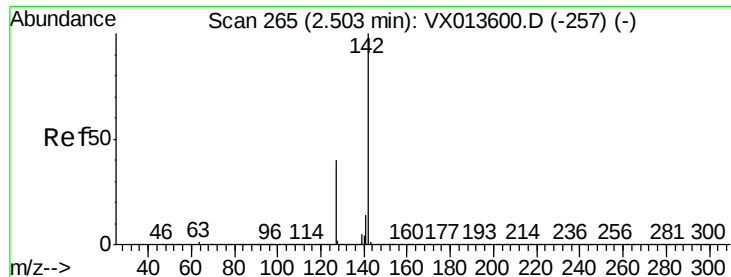
1000

500

0

Time-->

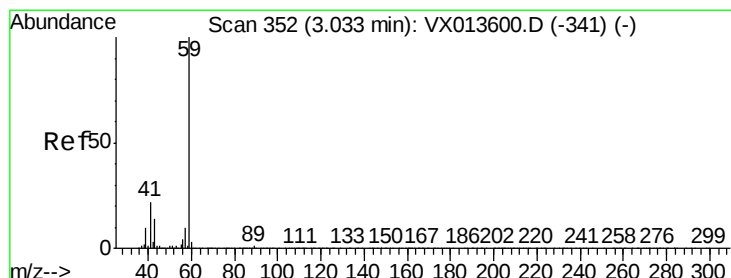
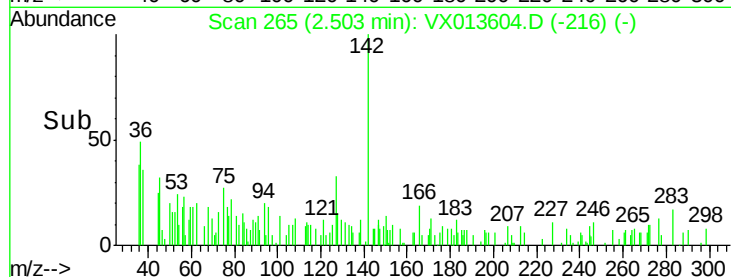
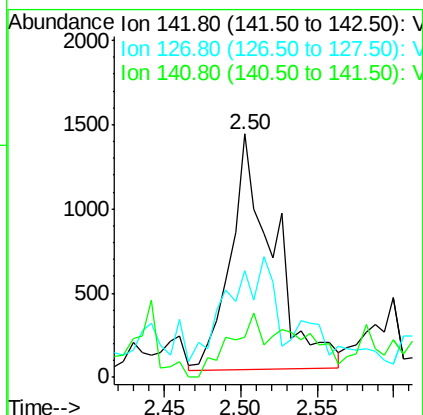
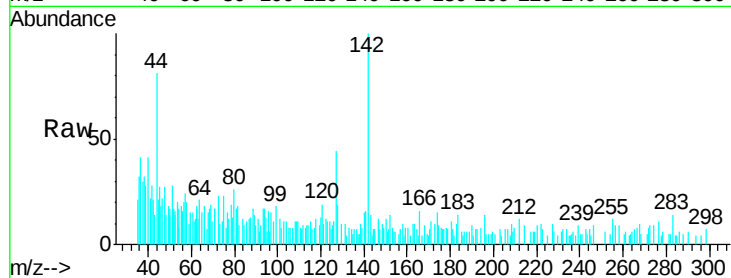




#10
Methyl Iodide
Concen: 0.354 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

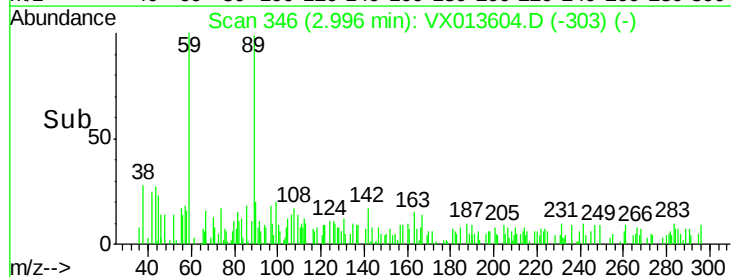
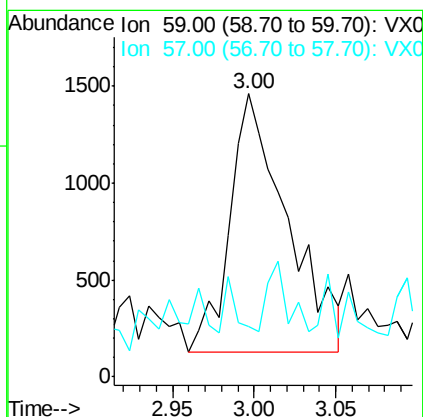
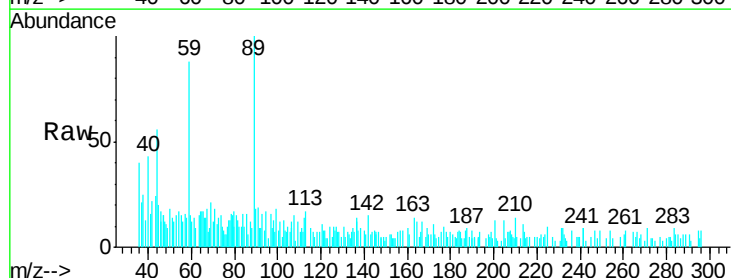
Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

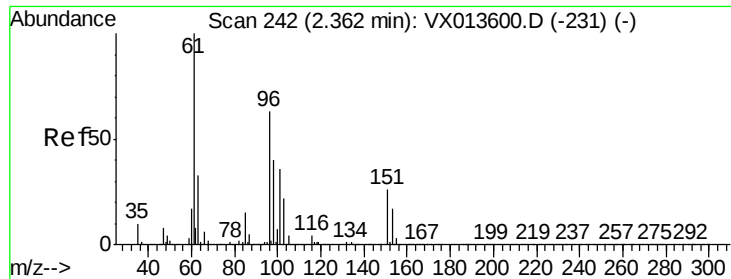
Tgt Ion: 142 Resp: 2759
Ion Ratio Lower Upper
142 100
127 46.4 31.0 46.4
141 23.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.688 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

Tgt Ion: 59 Resp: 3266
Ion Ratio Lower Upper
59 100
57 4.3 7.8 11.6#





#12

1,1-Dichloroethene

Concen: 0.207 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

VX1126WBL01

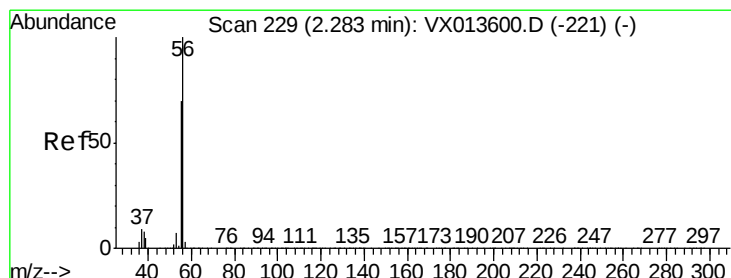
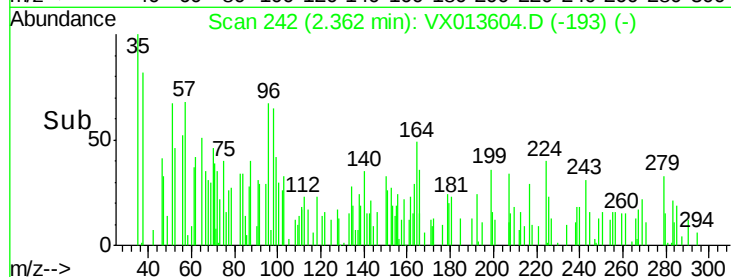
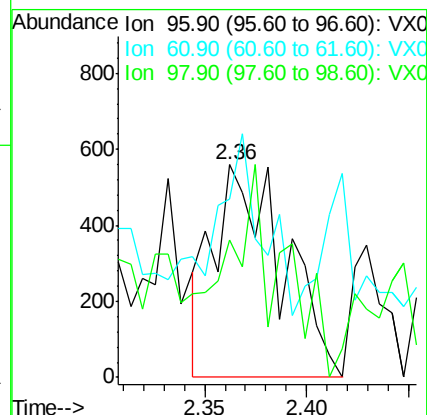
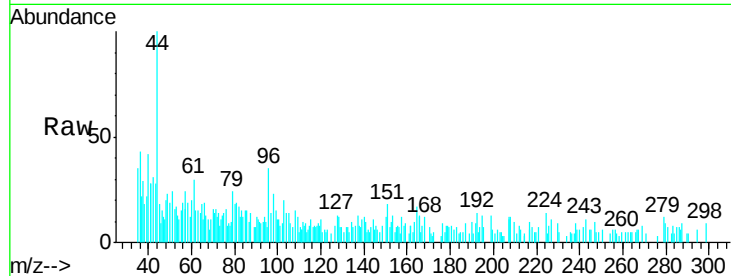
Tgt Ion: 96 Resp: 1332

Ion Ratio Lower Upper

96 100

61 0.9 126.6 190.0#

98 85.0 50.6 76.0#



#13

Acrolein

Concen: 6.661 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013604.D

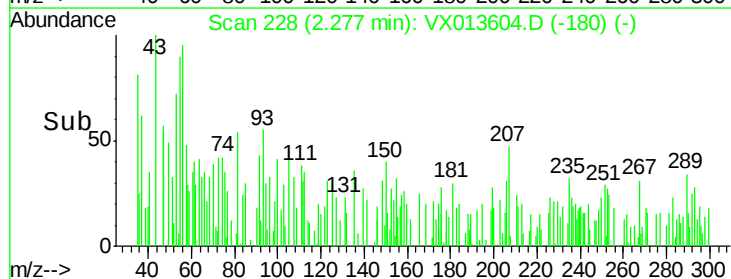
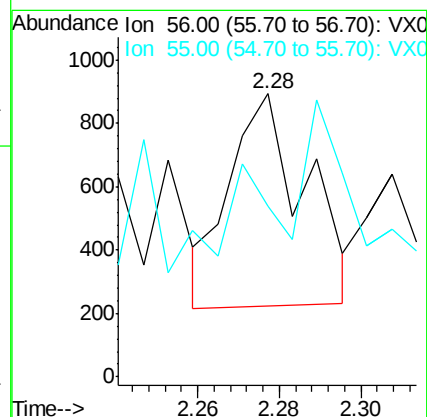
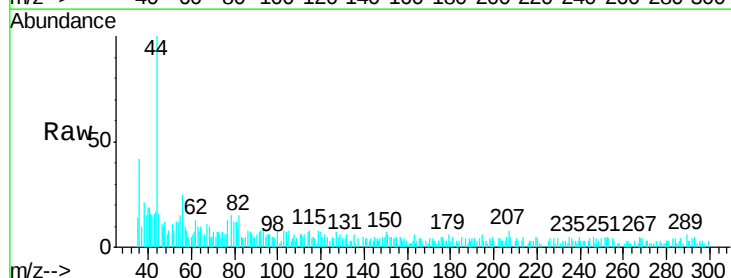
Acq: 26 Nov 2019 17:17

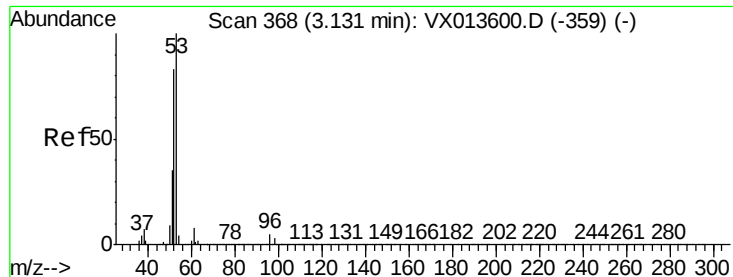
Tgt Ion: 56 Resp: 871

Ion Ratio Lower Upper

56 100

55 60.3 56.2 84.4





#15

Acrylonitrile

Concen: 0.275 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

VX1126WBL01

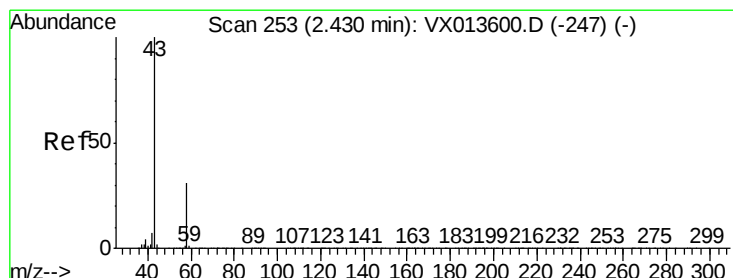
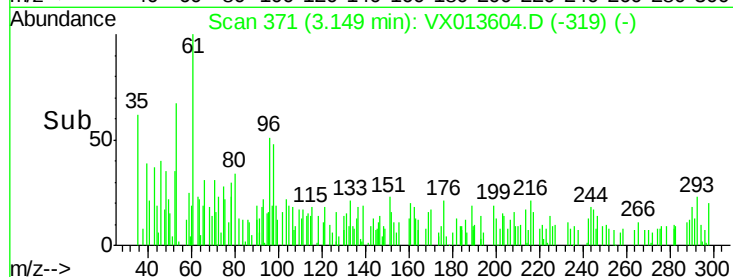
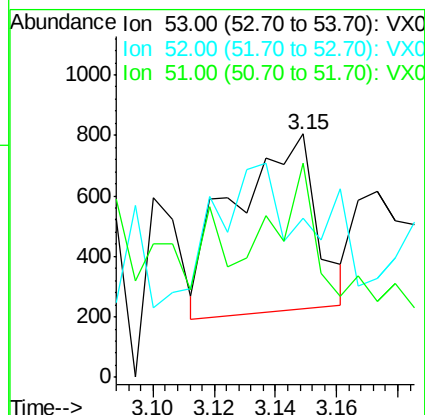
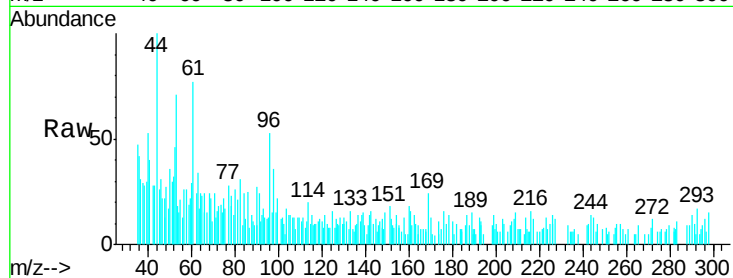
Tgt Ion: 53 Resp: 1099

Ion Ratio Lower Upper

53 100

52 89.5 66.2 99.2

51 37.8 29.0 43.6



#16

Acetone

Concen: 1.076 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013604.D

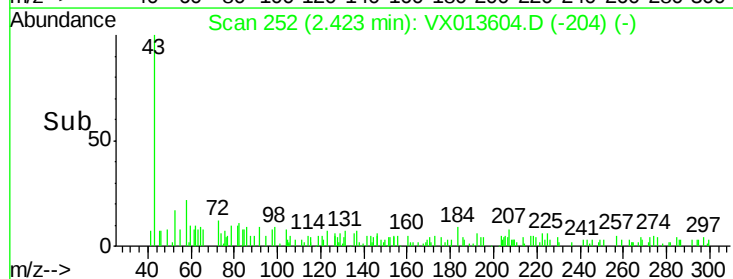
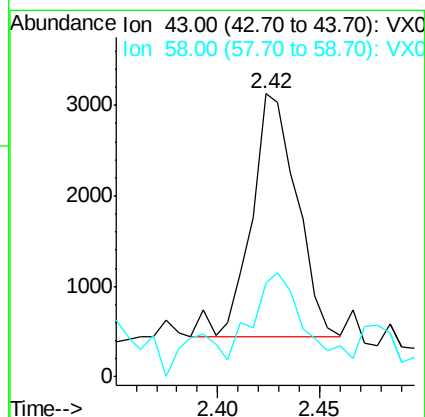
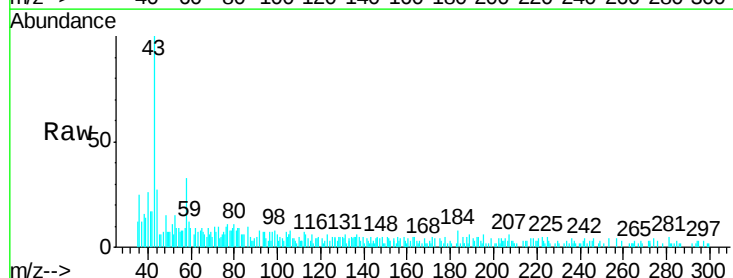
Acq: 26 Nov 2019 17:17

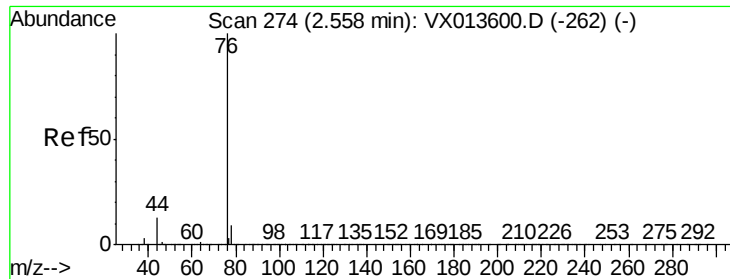
Tgt Ion: 43 Resp: 4163

Ion Ratio Lower Upper

43 100

58 26.2 24.6 36.8





#17

Carbon Disulfide

Concen: 0.453 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

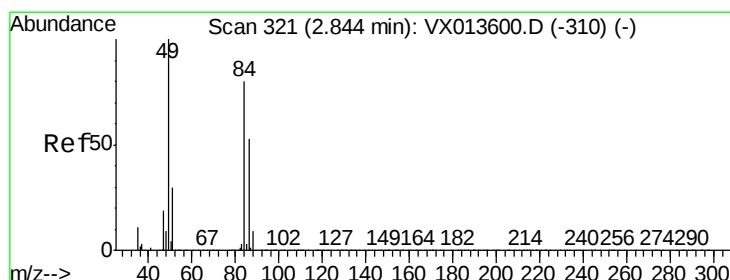
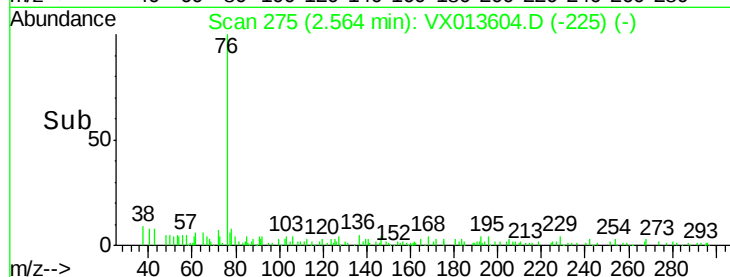
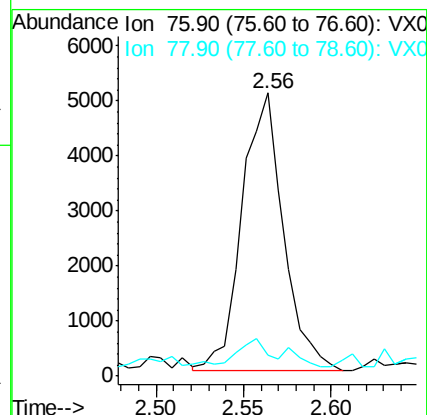
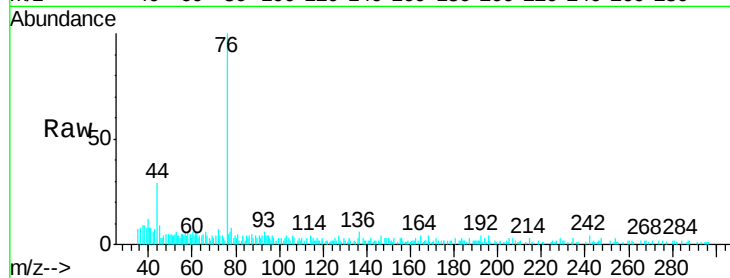
VX1126WBL01

Tgt Ion: 76 Resp: 8301

Ion Ratio Lower Upper

76 100

78 1.9 7.2 10.8#



#20

Methylene Chloride

Concen: 0.303 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Tgt Ion: 84 Resp: 2255

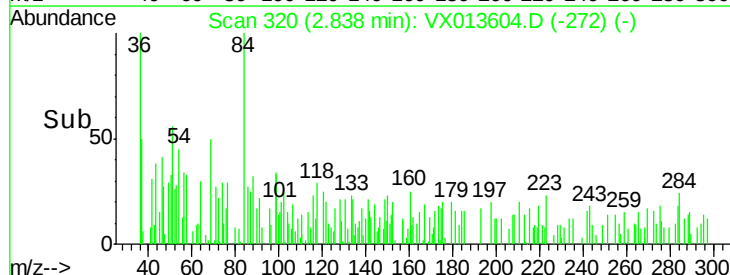
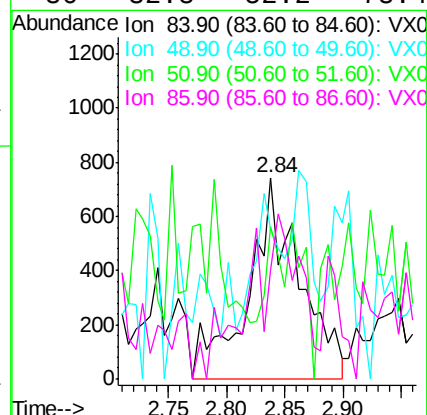
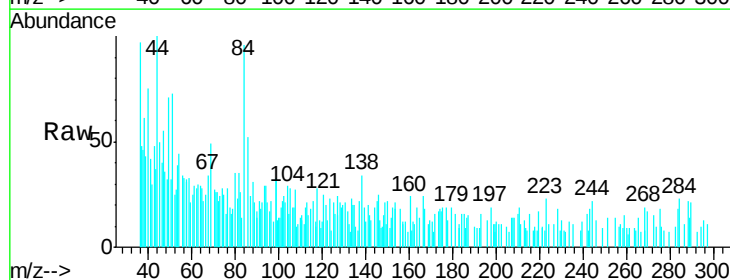
Ion Ratio Lower Upper

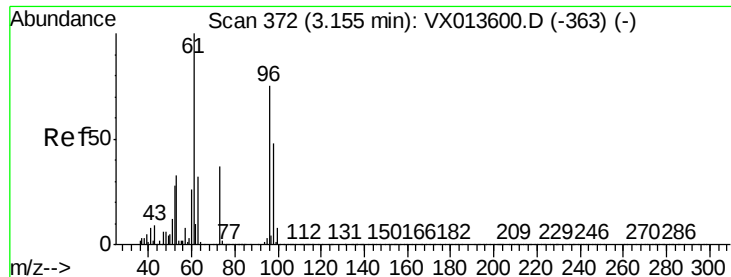
84 100

49 46.4 99.7 149.5#

51 19.9 29.9 44.9#

86 32.8 52.2 78.4#





#21

trans-1,2-Dichloroethene

Concen: 0.284 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

VX1126WBL01

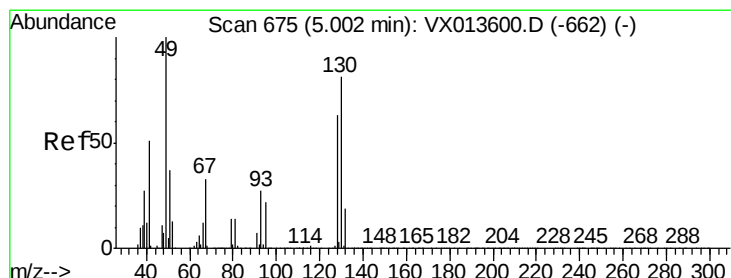
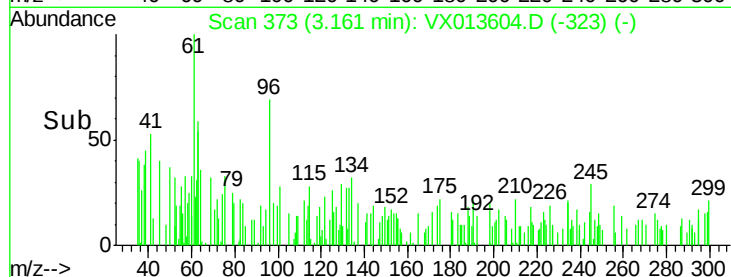
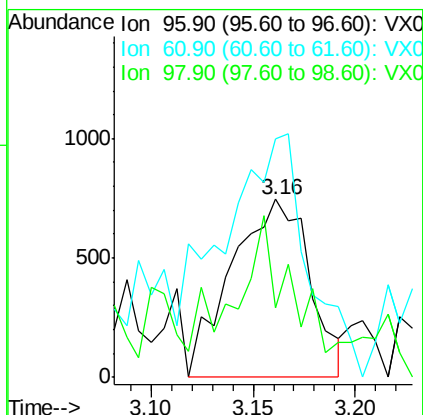
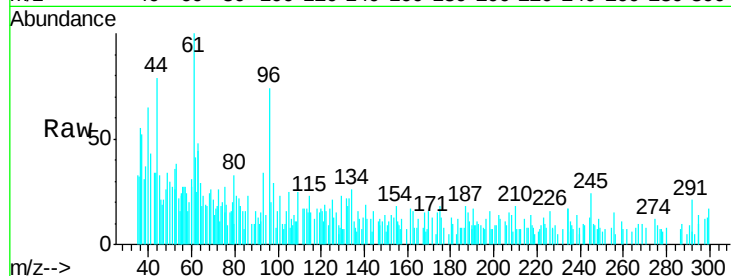
Tgt Ion: 96 Resp: 1985

Ion Ratio Lower Upper

96 100

61 94.9 107.2 160.8#

98 24.7 51.4 77.0#



#28

Bromochloromethane

Concen: 0.235 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

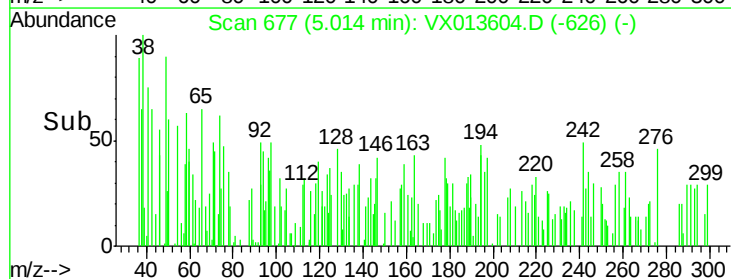
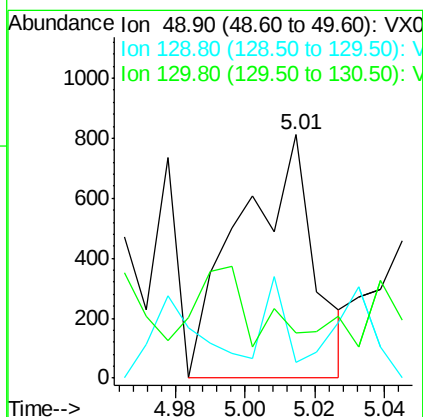
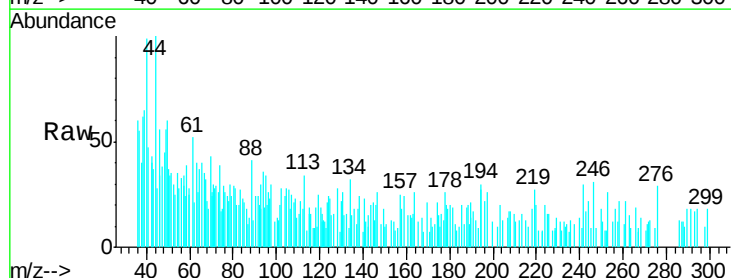
Tgt Ion: 49 Resp: 1198

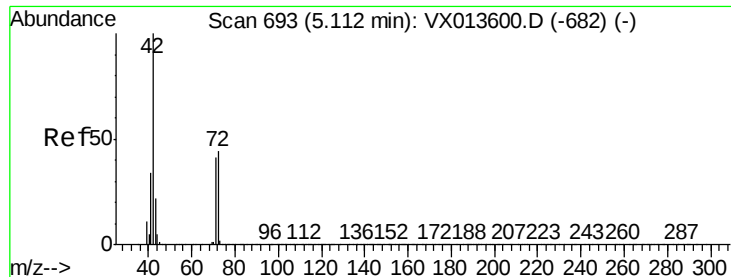
Ion Ratio Lower Upper

49 100

129 12.0 0.0 5.0#

130 28.4 65.4 98.0#

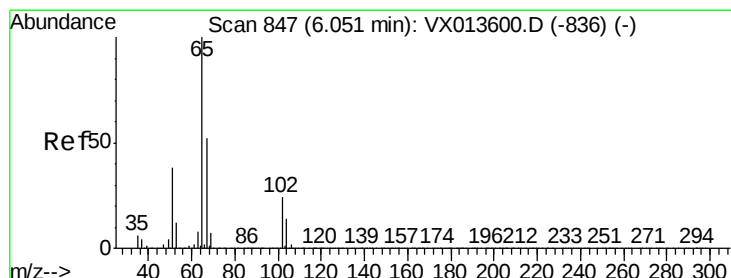
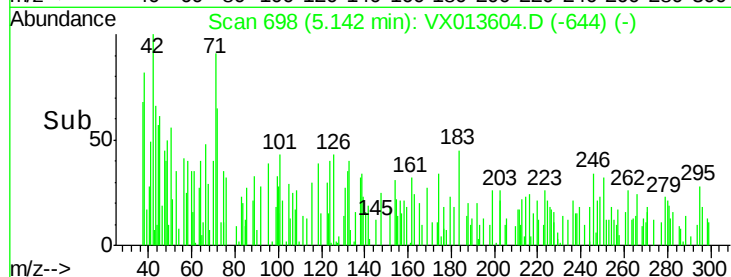
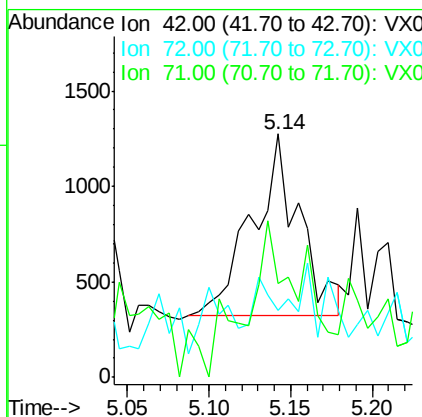
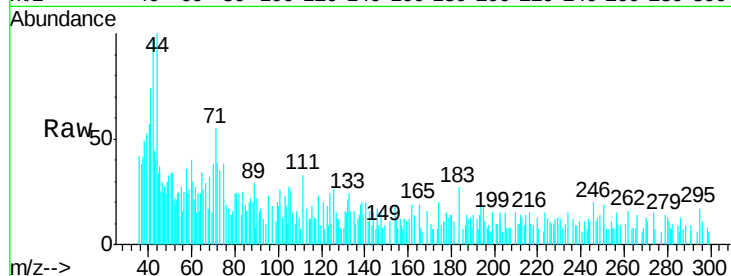




#29
Tetrahydrofuran
Concen: 0.539 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.03 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

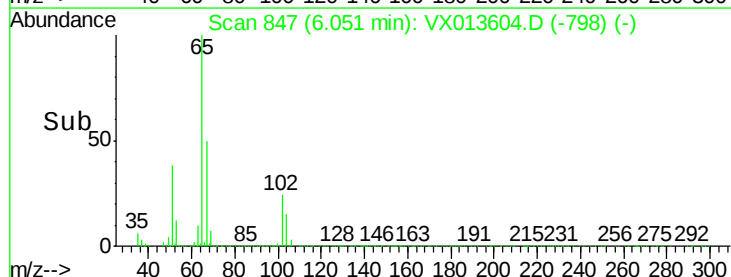
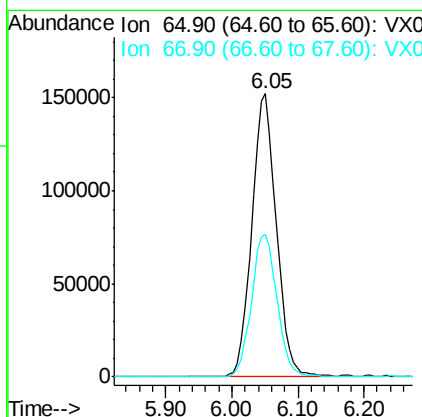
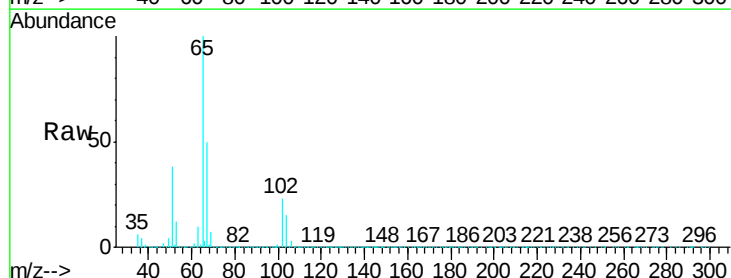
Instrument :
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VX1126WBL01

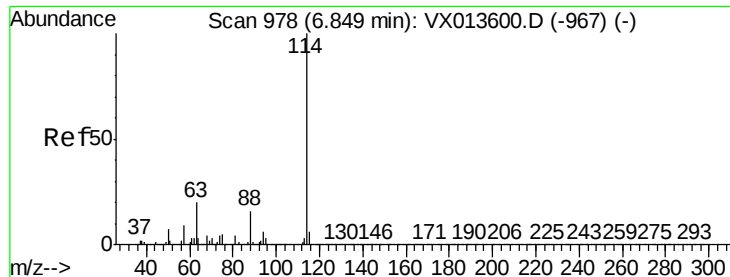
Tgt Ion: 42 Resp: 1911
Ion Ratio Lower Upper
42 100
72 10.9 36.3 54.5#
71 74.4 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 50.076 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

Tgt Ion: 65 Resp: 392480
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL01

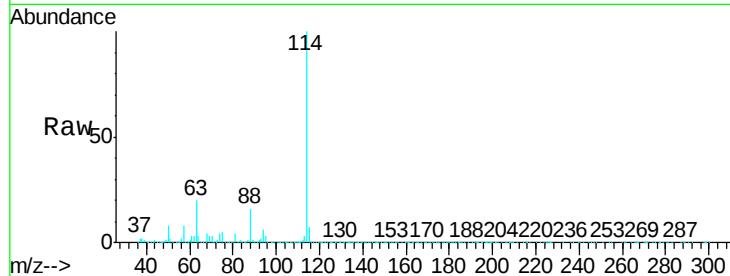
Tgt Ion:114 Resp: 1083438

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.0 0.0 31.4



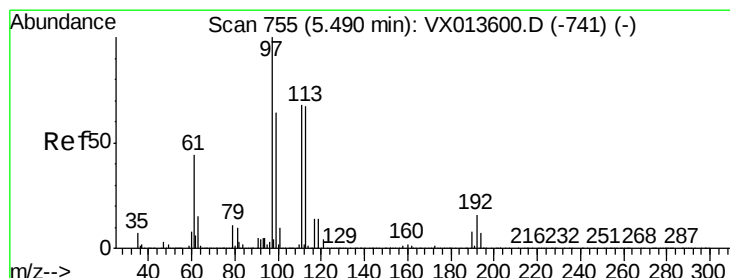
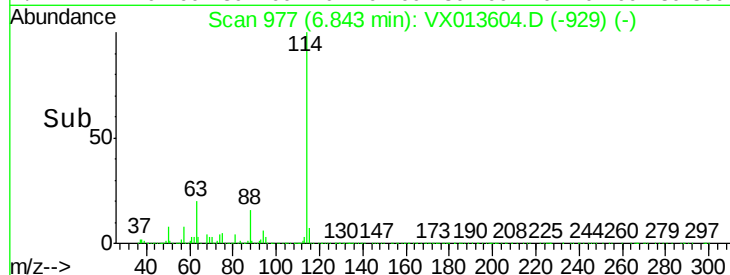
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

Time-->



#35

Dibromofluoromethane

Concen: 48.560 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

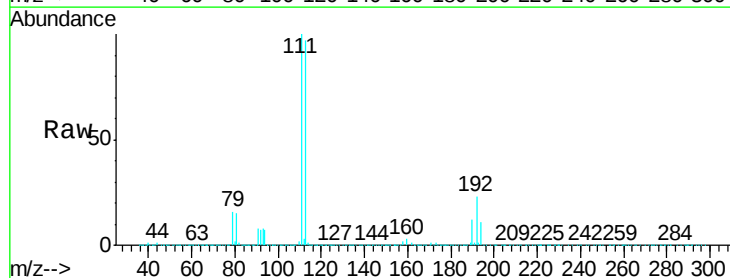
Tgt Ion:113 Resp: 325253

Ion Ratio Lower Upper

113 100

111 103.4 83.6 125.4

192 23.8 19.2 28.8



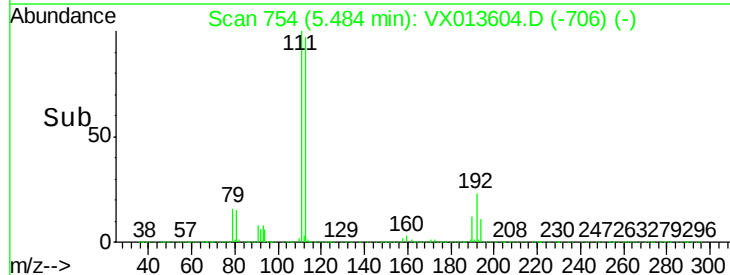
Abundance Ion 112.80 (112.50 to 113.50): V

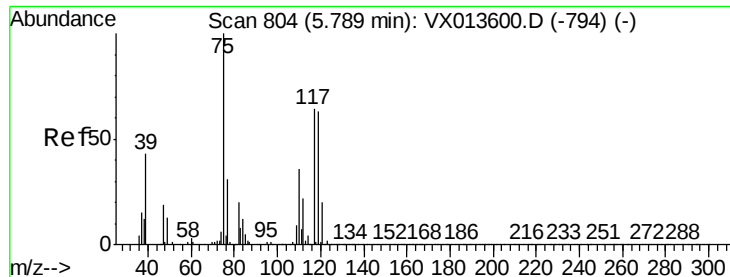
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.48

Time-->

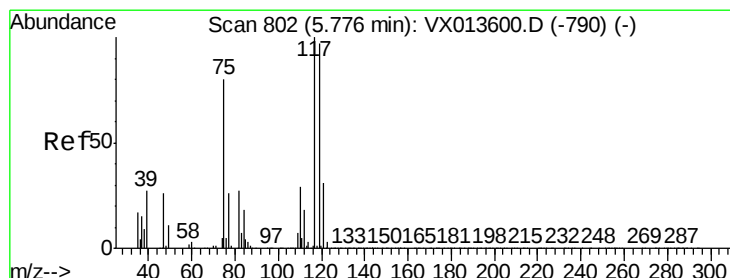
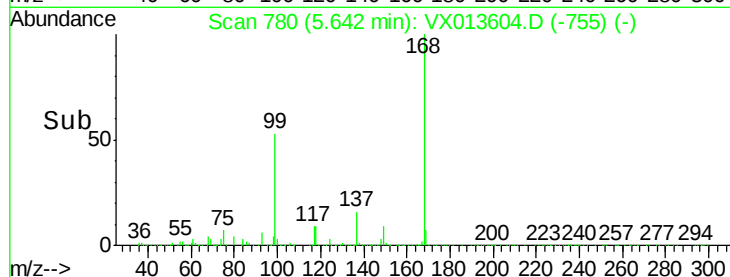
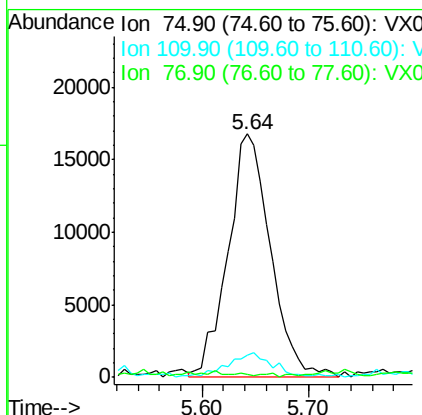
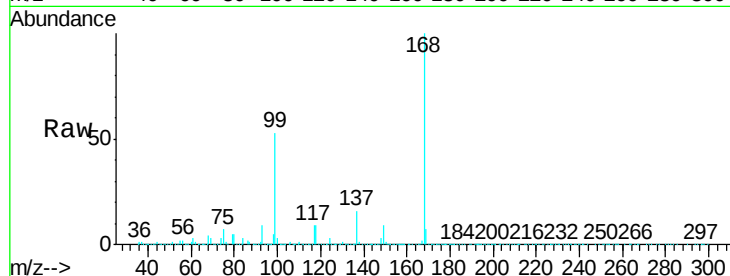




#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013604.D
 Acq: 26 Nov 2019 17:17

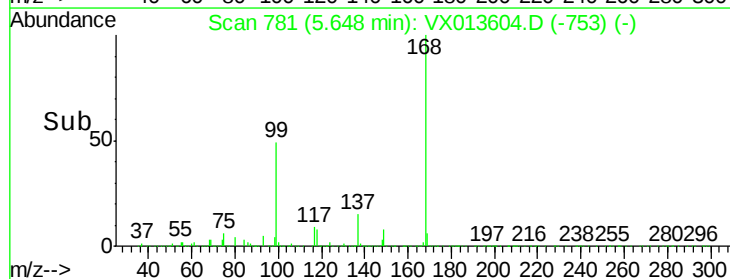
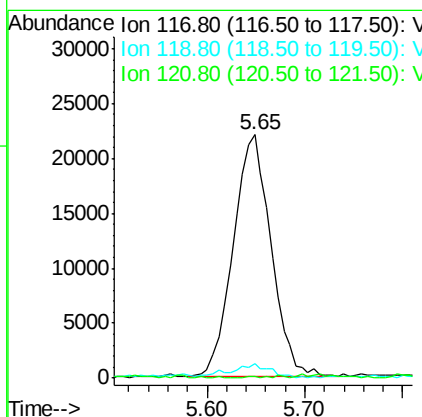
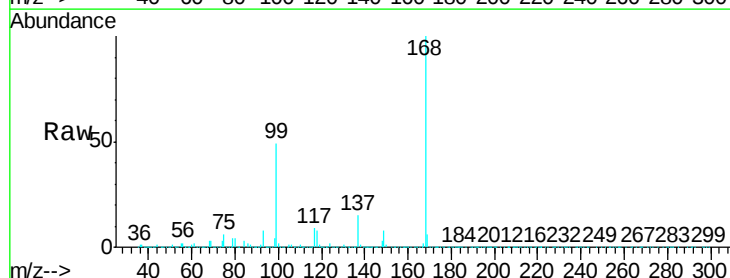
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBL01

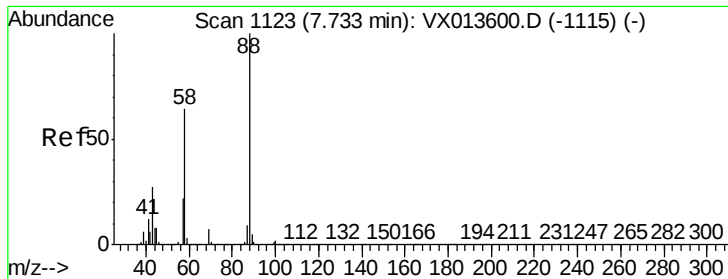
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.561 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013604.D
 Acq: 26 Nov 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.5	116.3#
121	0.3	25.0	37.6#

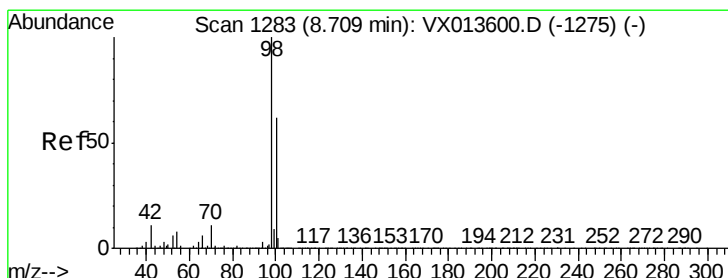
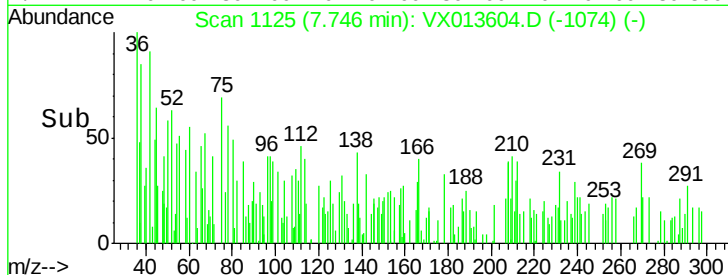
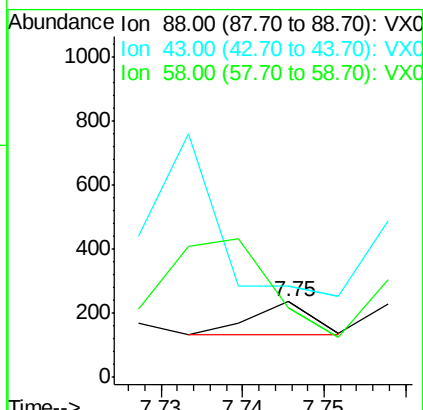
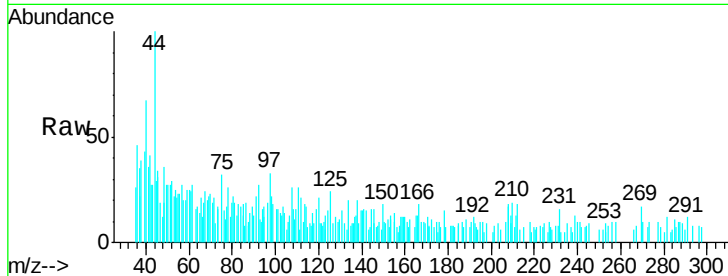




#49
1,4-Dioxane
Concen: 0.273 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

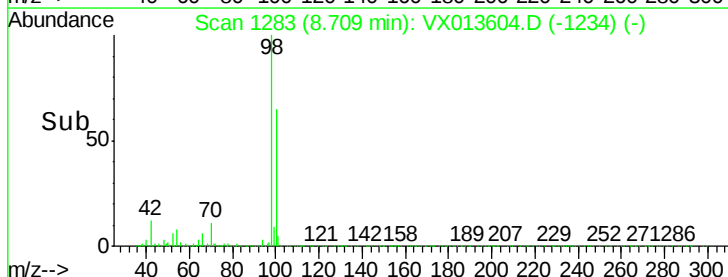
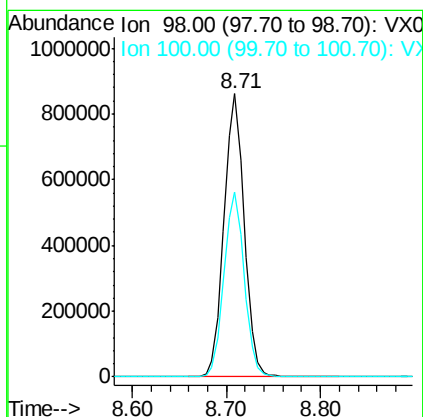
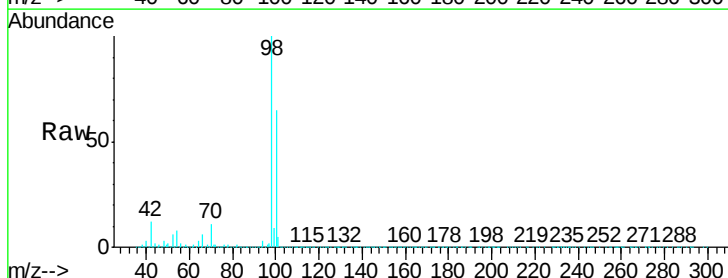
Instrument :
MSVOA_X
ClientSampleId :
VX1126WBL01

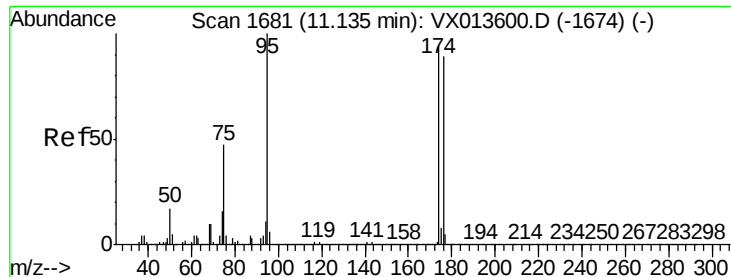
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 518.5 25.8 38.6#
58 644.4 54.6 82.0#



#50
Toluene-d8
Concen: 49.183 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013604.D
Acq: 26 Nov 2019 17:17

Tgt Ion: 98 Resp: 1283469
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.679 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL01

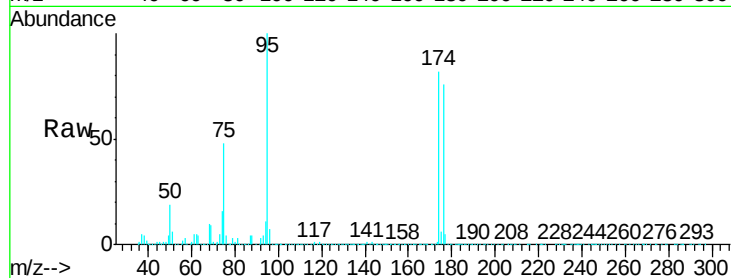
Tgt Ion: 95 Resp: 429850

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

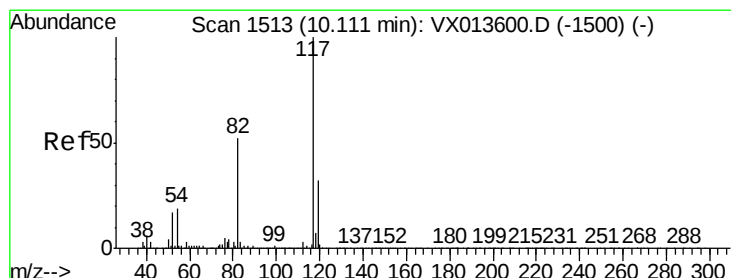
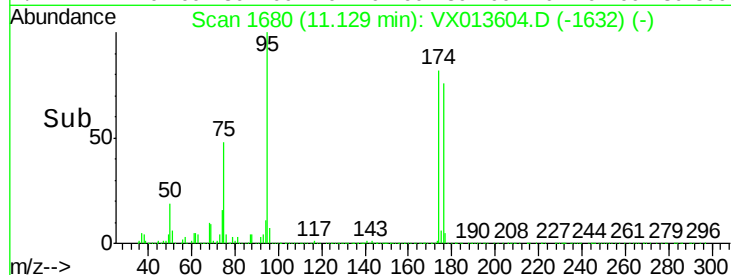
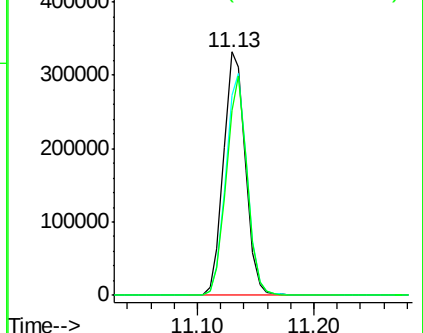
176 86.3 0.0 173.6



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: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

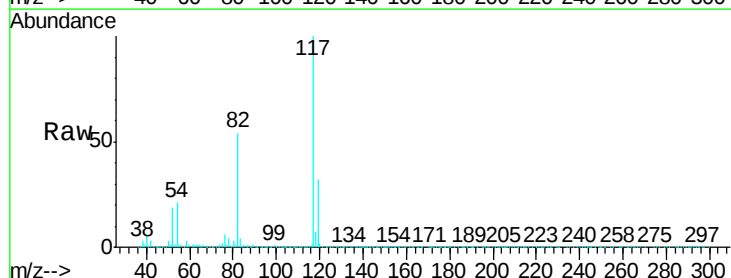
Tgt Ion: 117 Resp: 955305

Ion Ratio Lower Upper

117 100

82 53.9 41.8 62.8

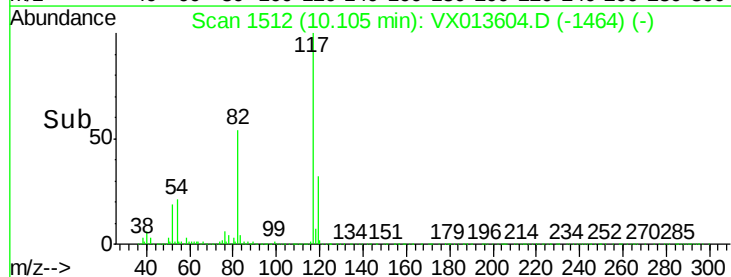
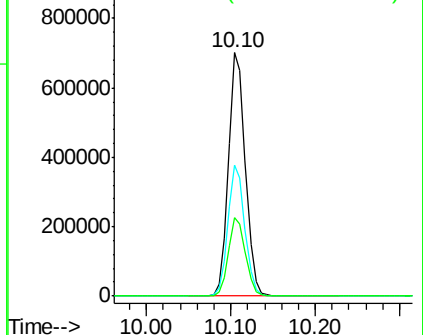
119 32.3 25.8 38.8

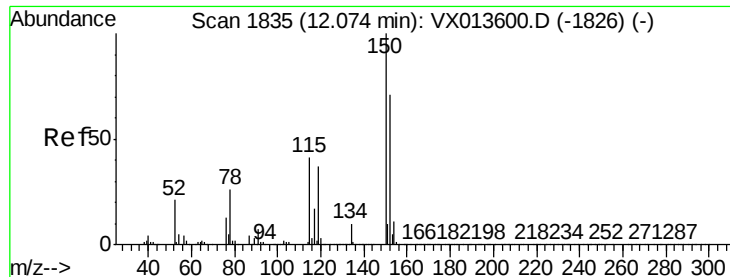


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL01

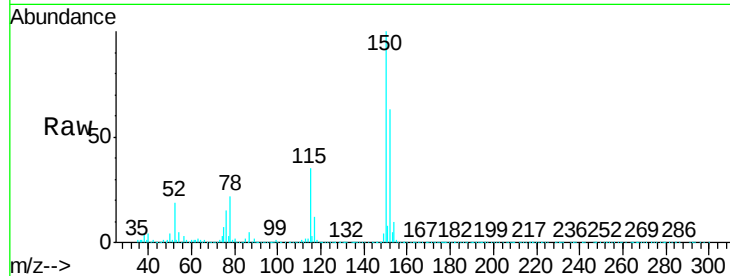
Tgt Ion:152 Resp: 422982

Ion Ratio Lower Upper

152 100

115 56.7 38.4 115.1

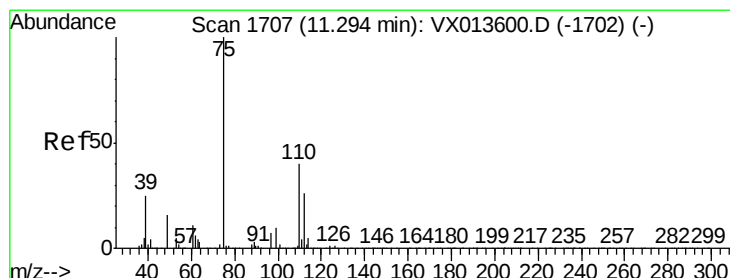
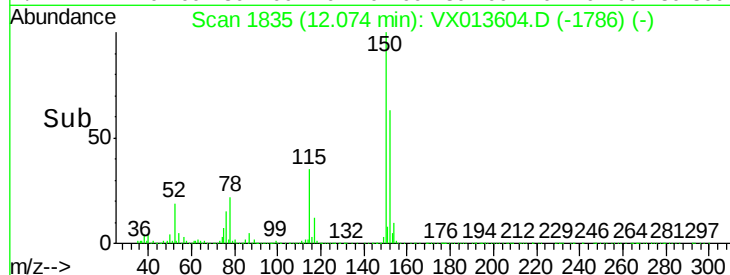
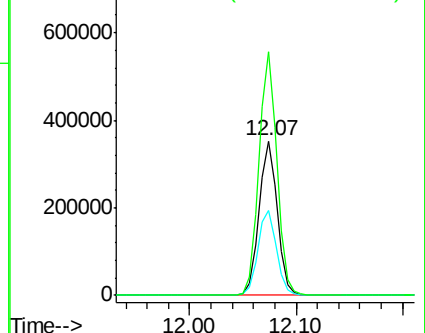
150 156.1 0.0 346.8



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: 21.963 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013604.D

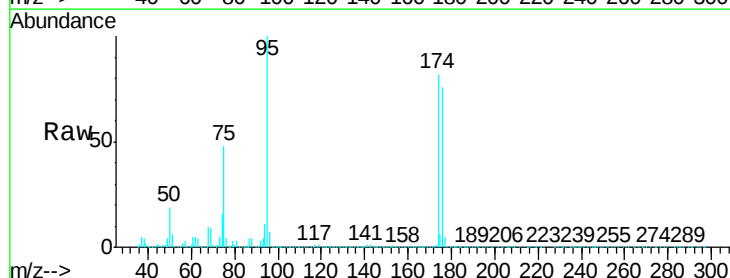
Acq: 26 Nov 2019 17:17

Tgt Ion: 75 Resp: 208947

Ion Ratio Lower Upper

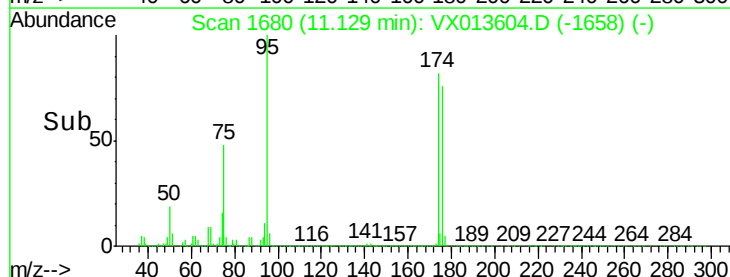
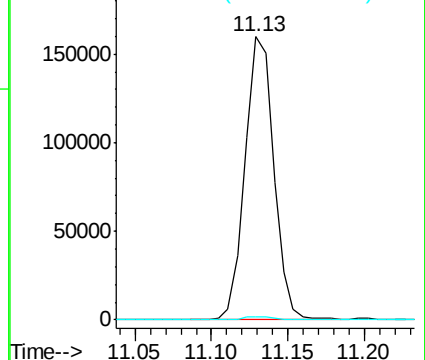
75 100

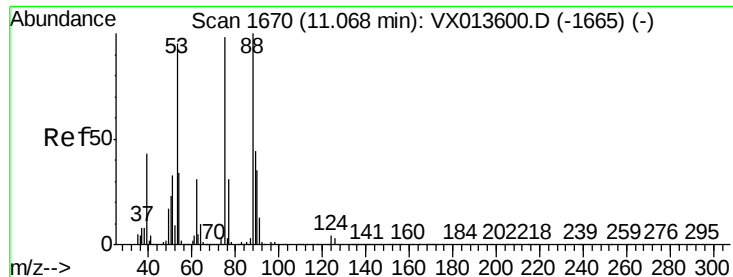
77 1.3 19.1 57.5#



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: 60.087 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

VX1126WBL01

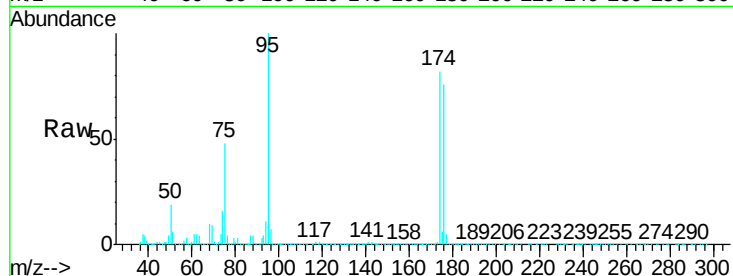
Tgt Ion: 75 Resp: 208947

Ion Ratio Lower Upper

75 100

53 0.6 78.2 117.2#

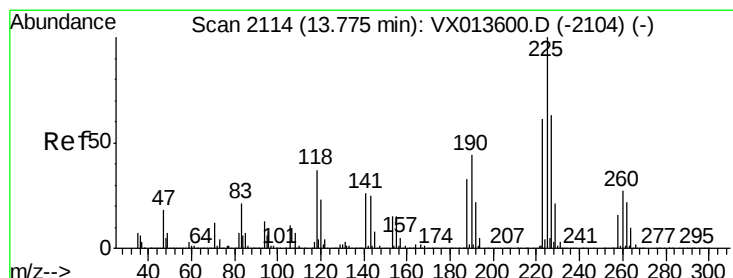
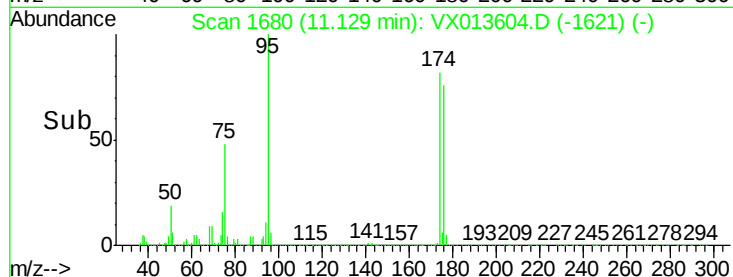
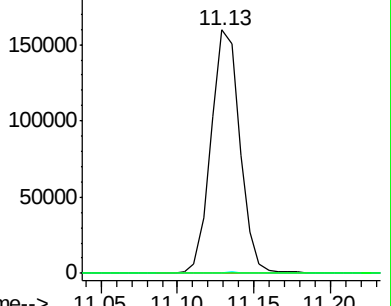
89 0.1 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.232 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013604.D

Acq: 26 Nov 2019 17:17

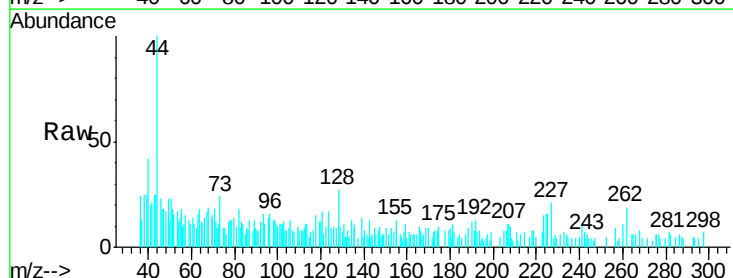
Tgt Ion: 225 Resp: 1073

Ion Ratio Lower Upper

225 100

223 59.9 31.9 95.5

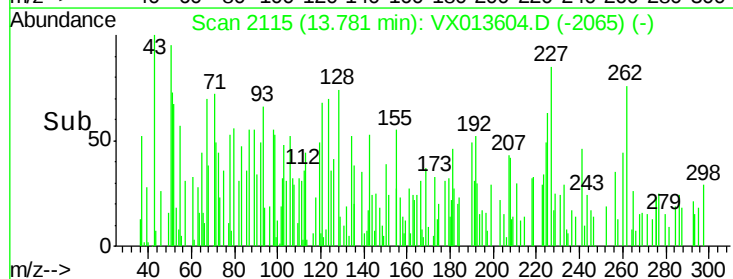
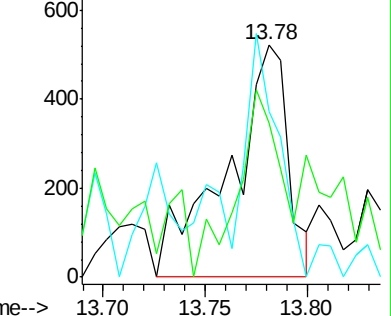
227 58.1 32.1 96.3

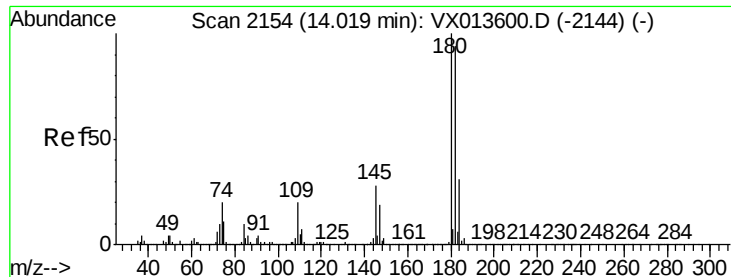


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VX013604.D
 Acq: 26 Nov 2019 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1126WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.1	47.6	142.8
145	22.0	15.0	45.0

