

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013643.D
 Acq On : 27 Nov 2019 11:21
 Operator : JC/SP
 Sample : VX1127WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 00:24:38 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	673348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1065163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	950237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	430982	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	387235	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.48	113	317595	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1261036	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	422771	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

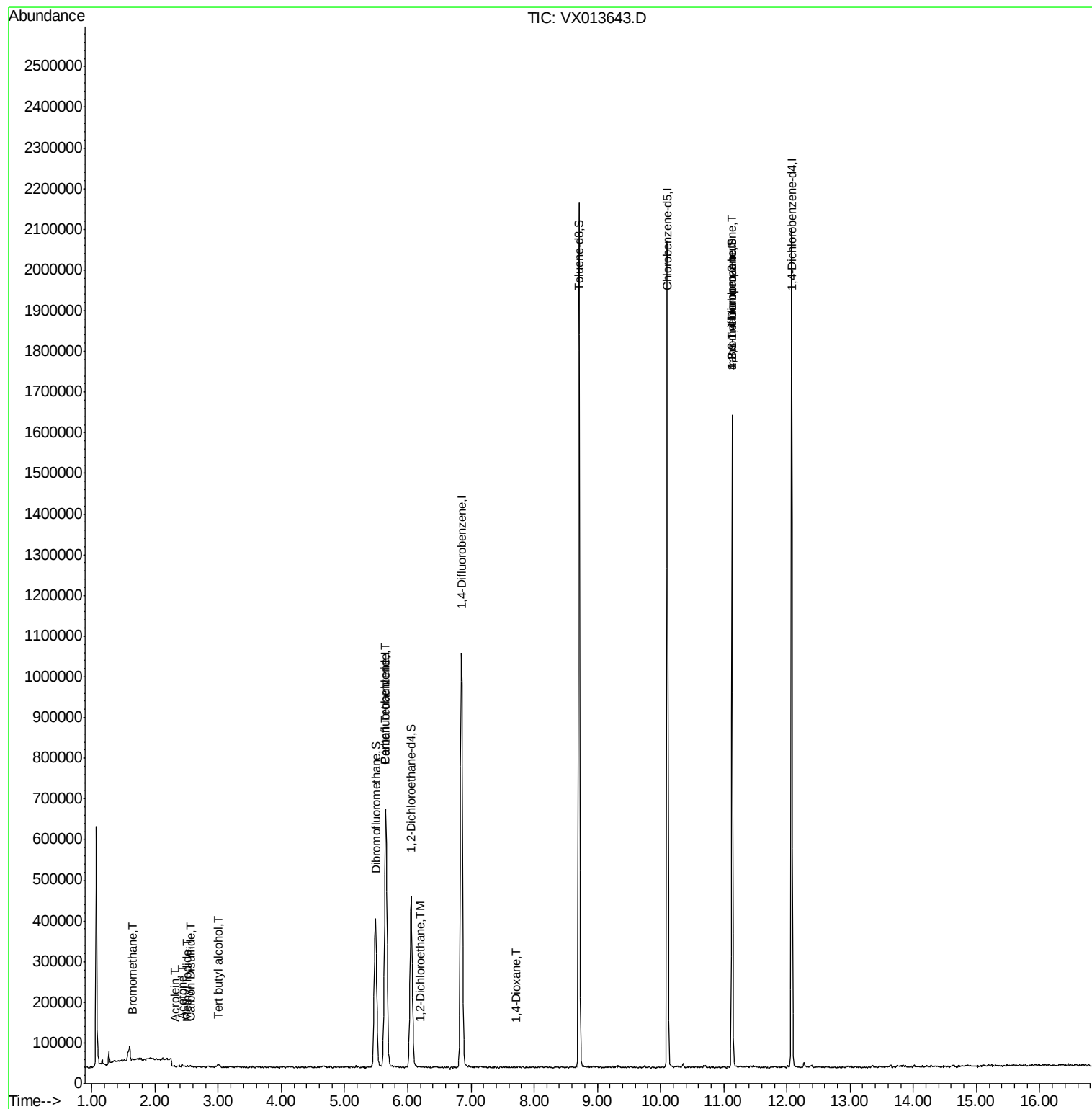
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2834	0.446	ug/l #	65
10) Methyl Iodide	2.50	142	2228	0.287	ug/l #	87
11) Tert butyl alcohol	3.00	59	5210	2.701	ug/l #	88
13) Acrolein	2.32	56	1144	6.869	ug/l #	15
16) Acetone	2.43	43	4144	1.074	ug/l	95
17) Carbon Disulfide	2.56	76	4705	0.258	ug/l #	65
38) Carbon Tetrachloride	5.65	117	58076	6.514	ug/l #	14
42) 1,2-Dichloroethane	6.20	62	2070	0.206	ug/l #	61
49) 1,4-Dioxane	7.72	88	244	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	205886	21.239	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	205886	58.107	ug/l #	11

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

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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: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

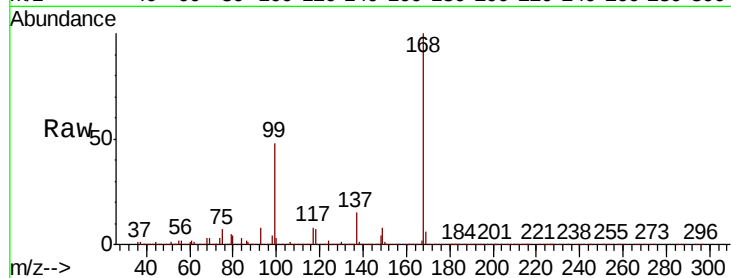
ClientSampled :

Tot Ion:168 Resp: 673348

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

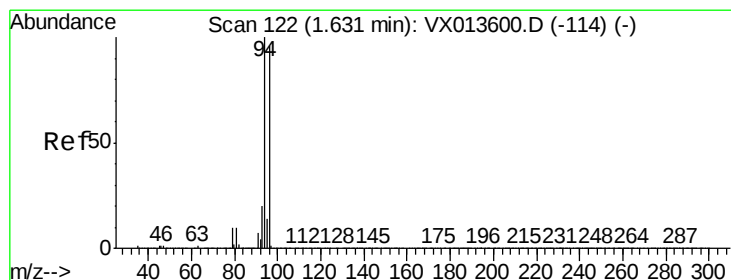
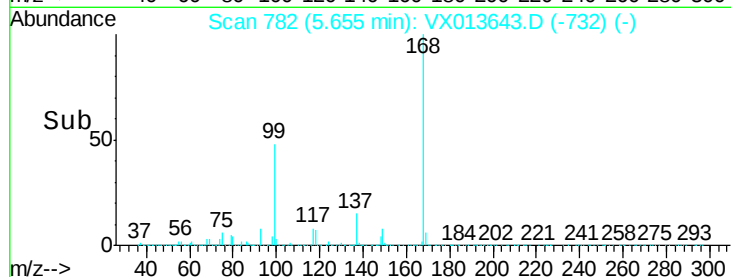
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.446 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013643.D

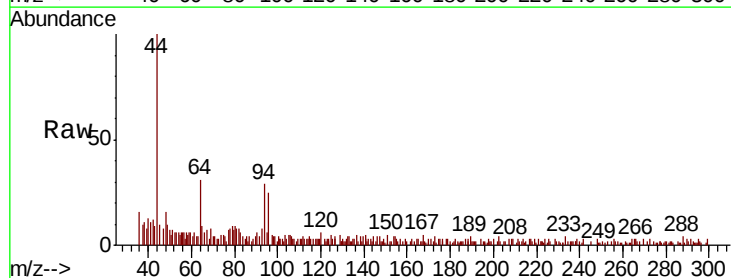
Acq: 27 Nov 2019 11:21

Tgt Ion: 94 Resp: 2834

Ion Ratio Lower Upper

94 100

96 61.9 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

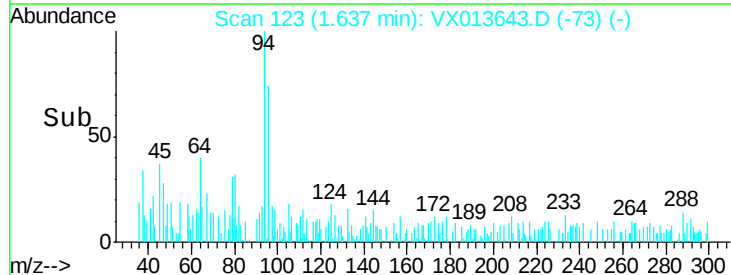
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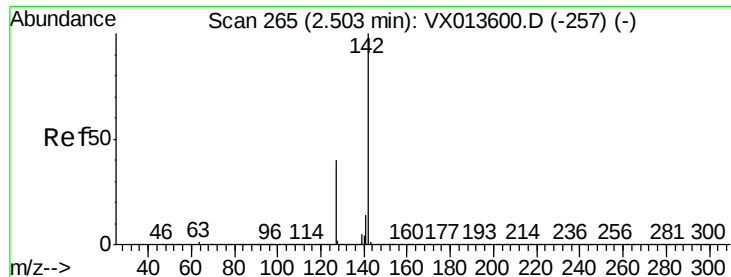
1000

500

0

Time-->

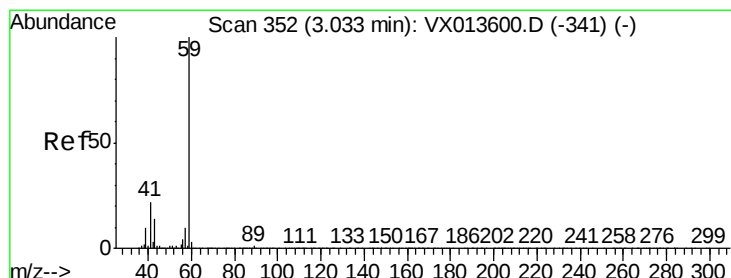
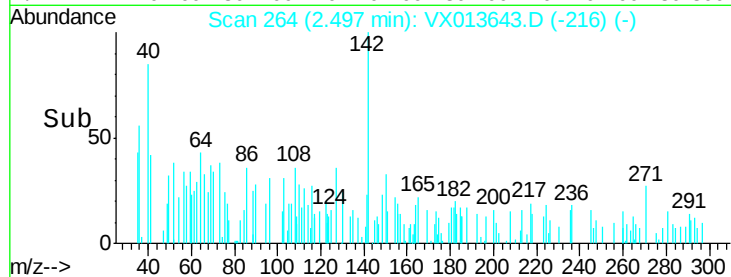
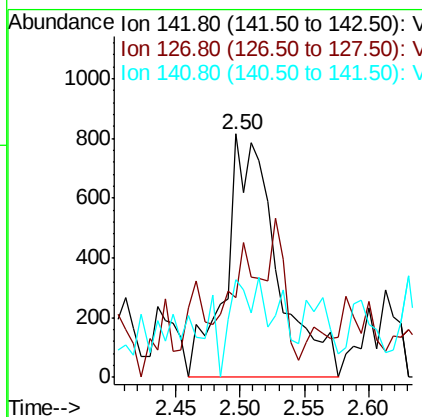
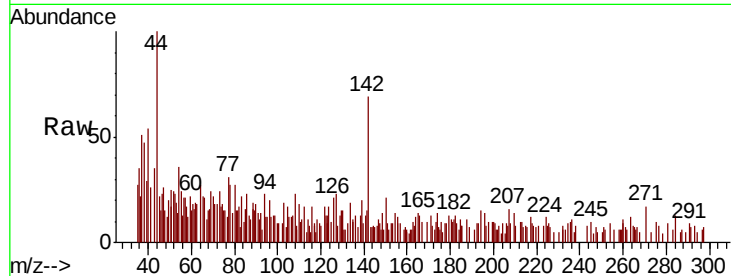




#10
Methvl Iodide
Concen: 0.287 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

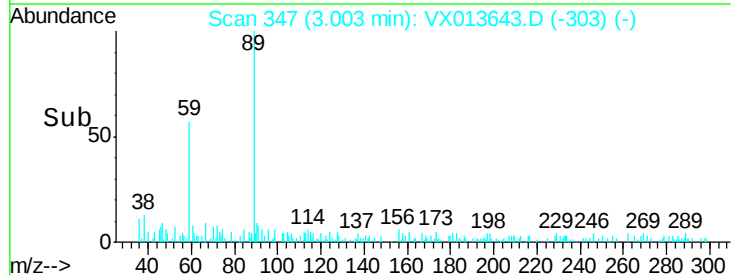
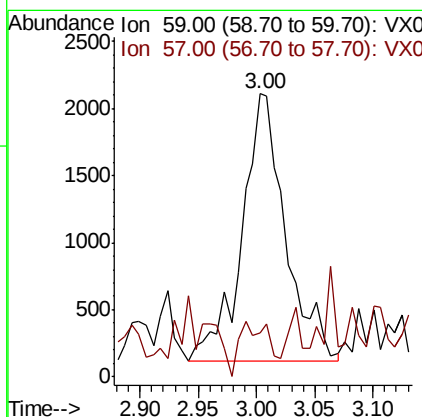
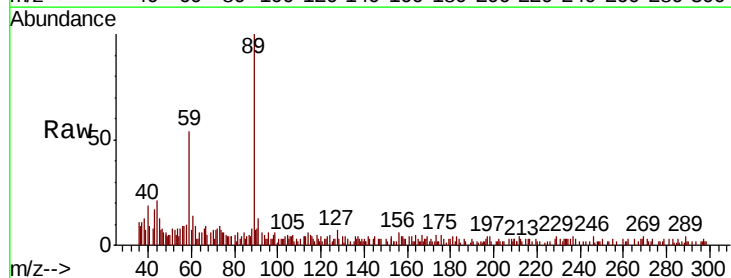
Instrument :
MSVOA_X
ClientSampled :

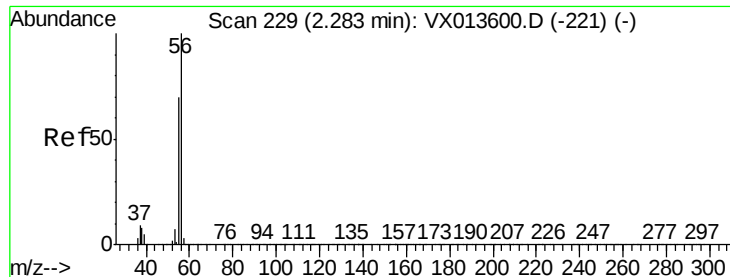
Tot Ion:142 Resp: 2228
Ion Ratio Lower Upper
142 100
127 36.2 31.0 46.4
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.701 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

Tgt Ion: 59 Resp: 5210
Ion Ratio Lower Upper
59 100
57 14.2 7.8 11.6#

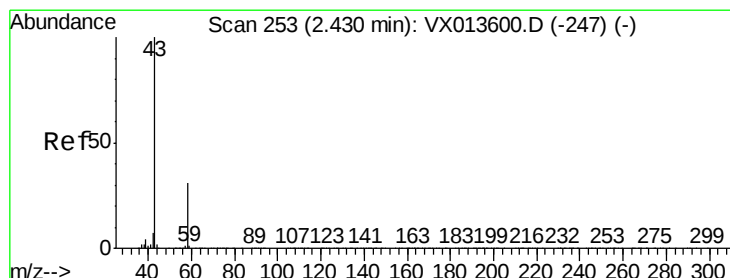
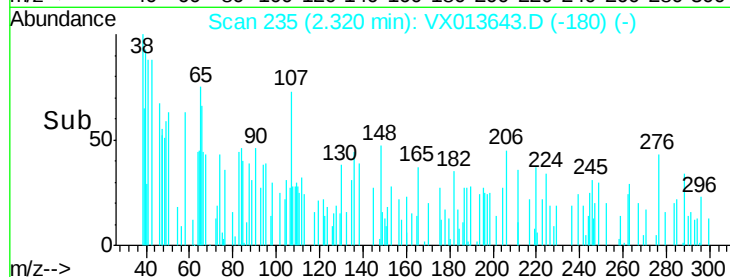
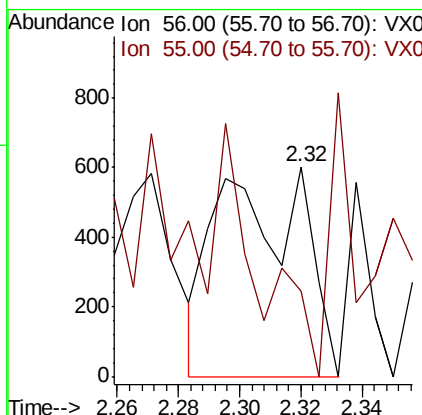
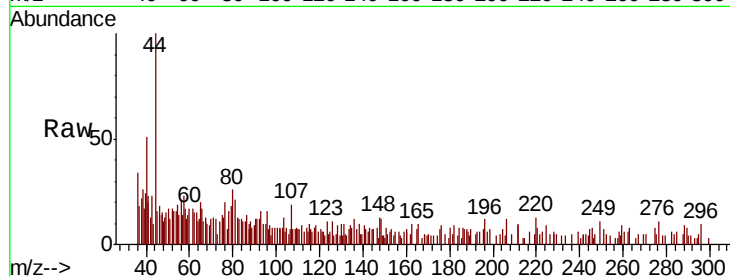




#13
Acrolein
Concen: 6.869 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.04 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

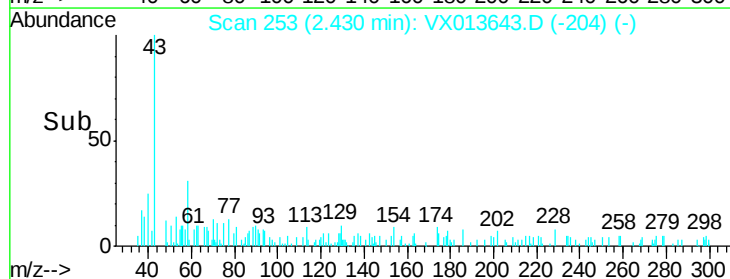
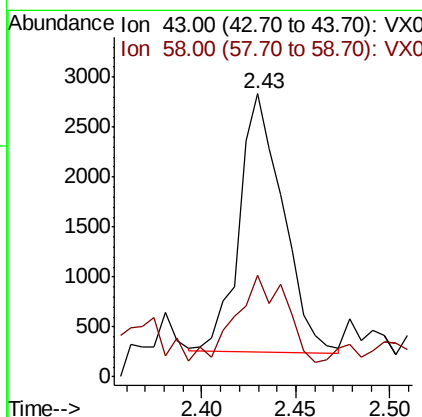
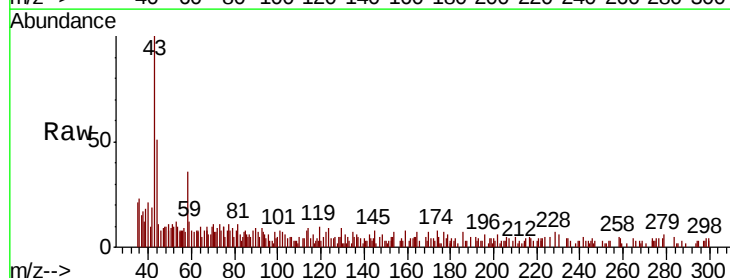
Instrument :
MSVOA_X
ClientSampled :

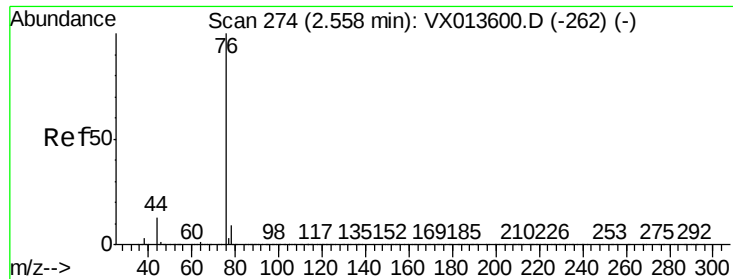
Tot Ion: 56 Resp: 1144
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 1.074 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

Tgt Ion: 43 Resp: 4144
Ion Ratio Lower Upper
43 100
58 33.3 24.6 36.8





#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

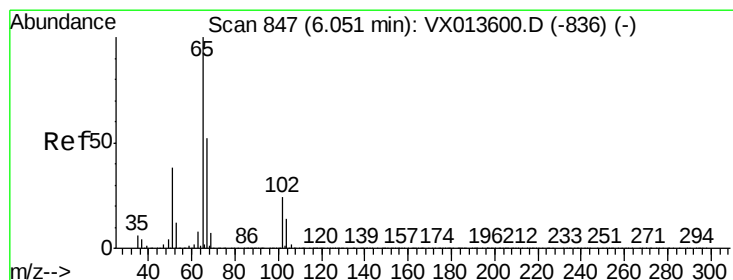
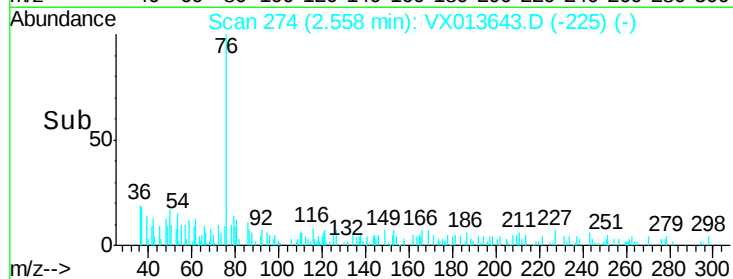
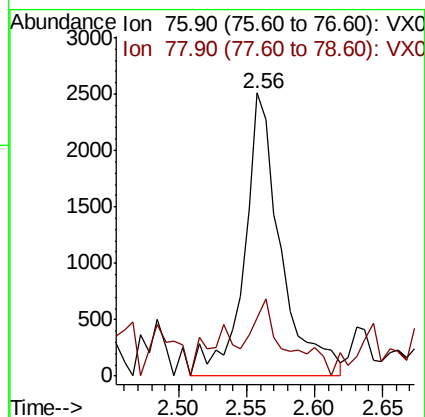
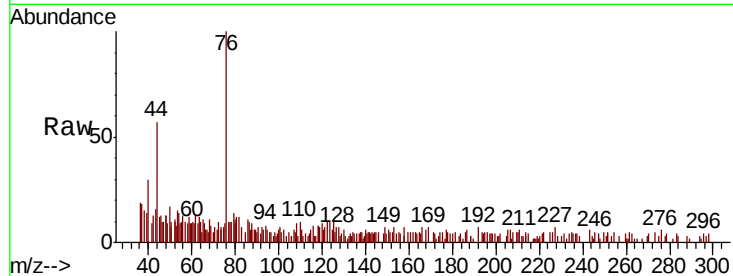
ClientSampleId :

Tot Ion: 76 Resp: 4705

Ion Ratio Lower Upper

76 100

78 21.5 7.2 10.8#



#33

1,2-Dichloroethane-d4

Concen: 49.544 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013643.D

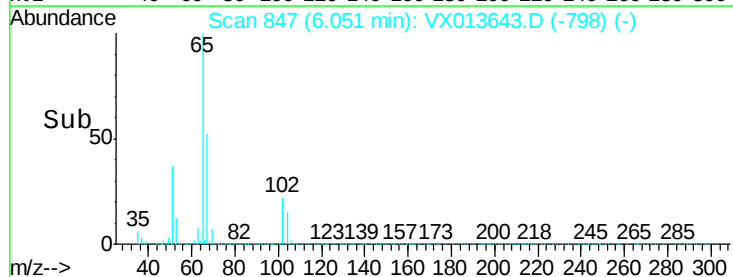
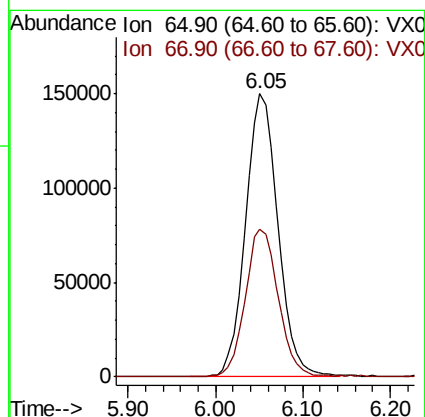
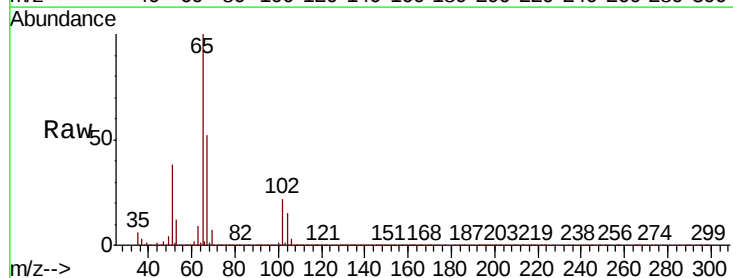
Acq: 27 Nov 2019 11:21

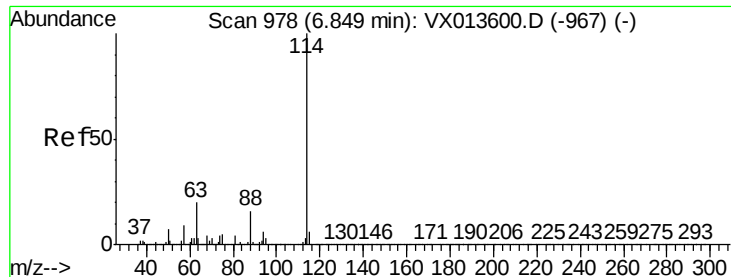
Tgt Ion: 65 Resp: 387235

Ion Ratio Lower Upper

65 100

67 52.8 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: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

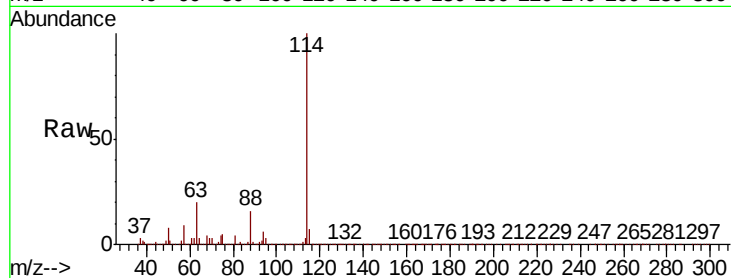
Tot Ion:114 Resp: 1065163

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

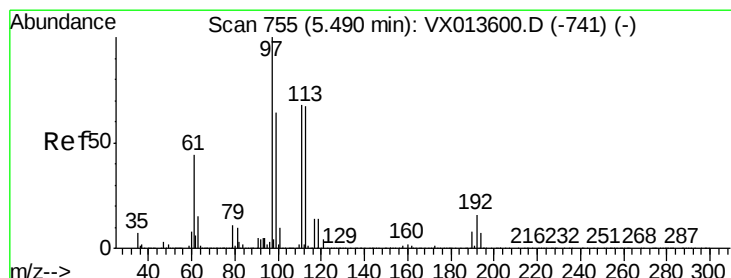
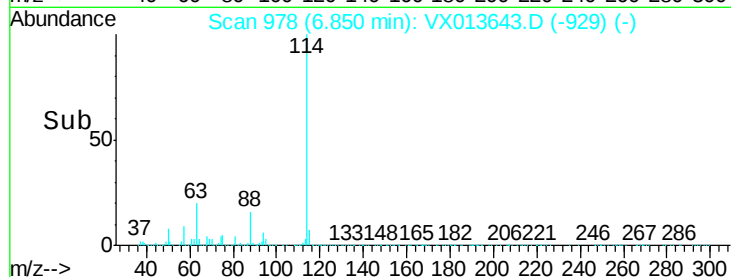
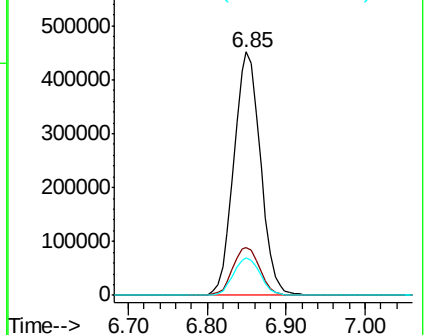
88 15.6 0.0 31.4



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: 48.230 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

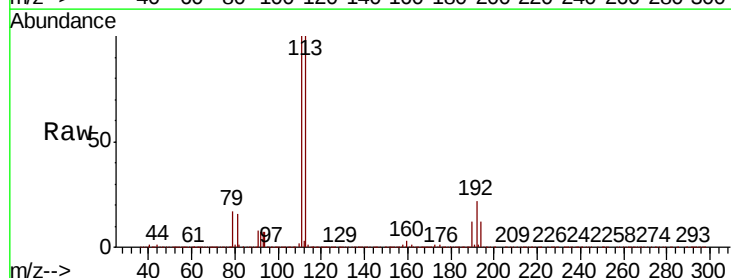
Tgt Ion:113 Resp: 317595

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

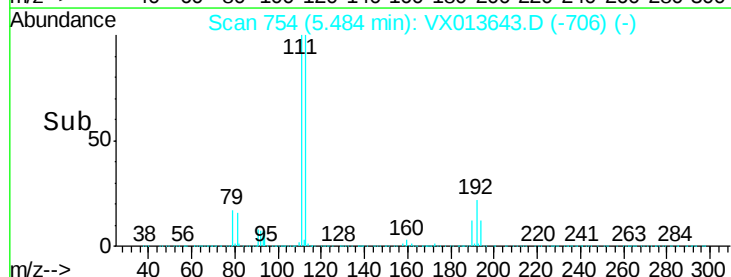
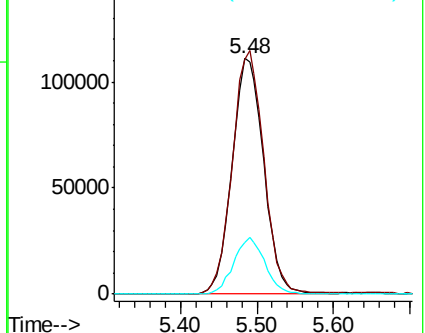
192 23.8 19.2 28.8

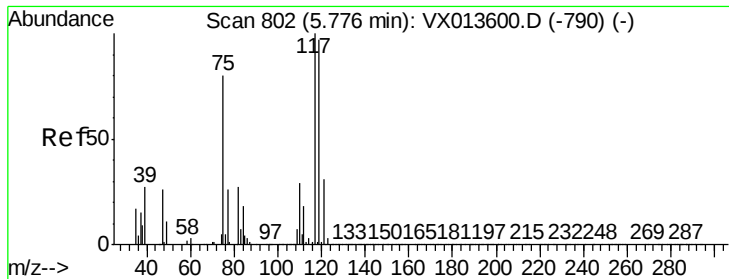


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.514 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

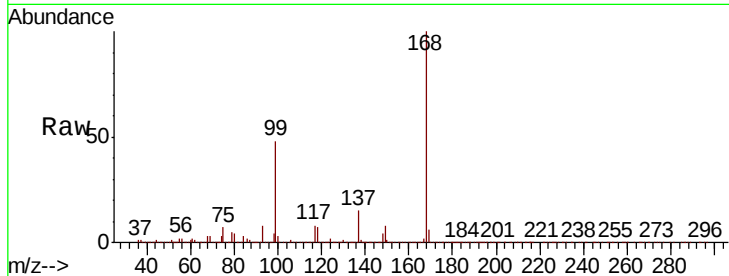
Tot Ion:117 Resp: 58076

Ion Ratio Lower Upper

117 100

119 3.3 77.5 116.3#

121 0.3 25.0 37.6#

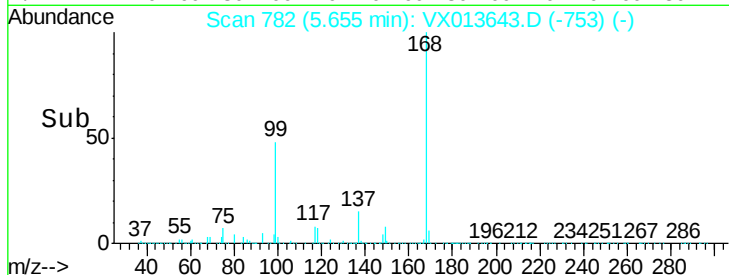


Abundance Ion 116.80 (116.50 to 117.50): V

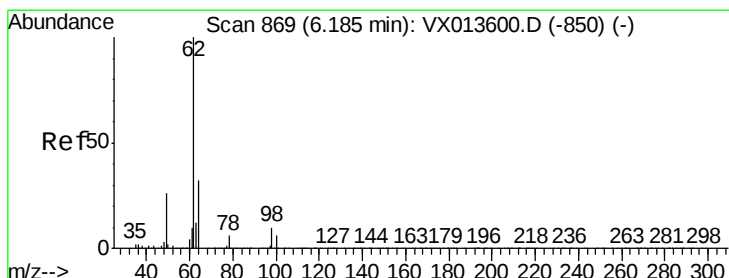
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.20 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX013643.D

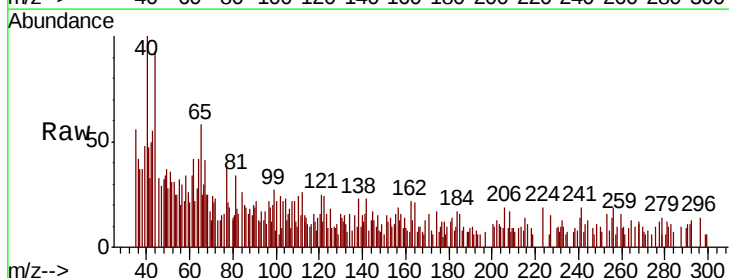
Acq: 27 Nov 2019 11:21

Tgt Ion: 62 Resp: 2070

Ion Ratio Lower Upper

62 100

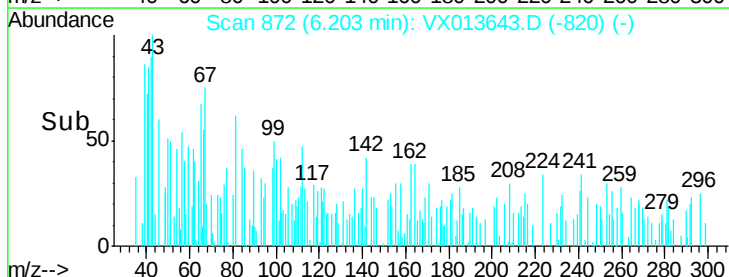
98 25.0 0.0 20.8#



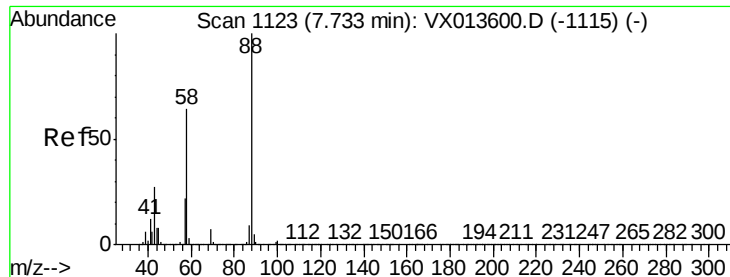
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->



Time-->



#49

1,4-Dioxane

Concen: 1.256 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :

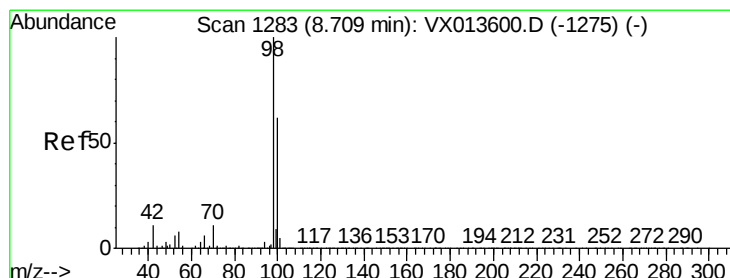
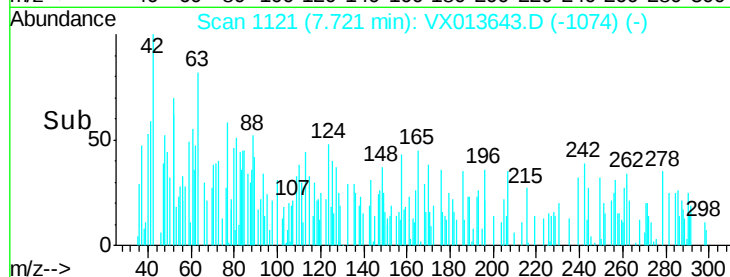
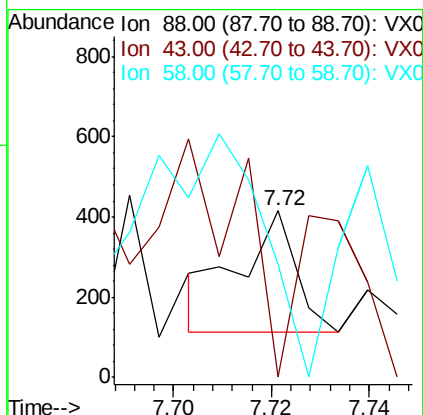
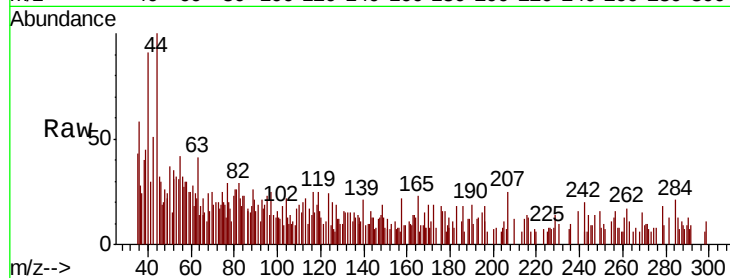
Tot Ion: 88 Resp: 244

Ion Ratio Lower Upper

88 100

43 154.5 25.8 38.6#

58 163.5 54.6 82.0#



#50

Toluene-d8

Concen: 49.152 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013643.D

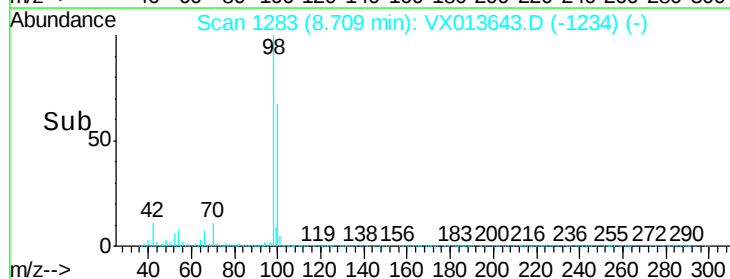
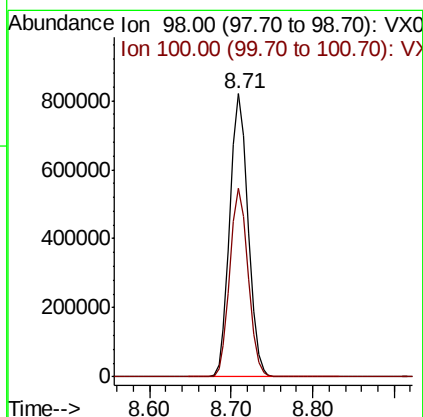
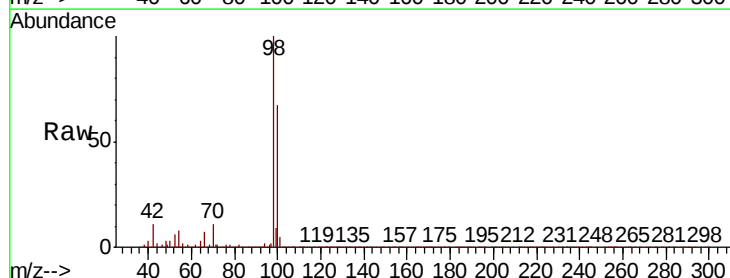
Acq: 27 Nov 2019 11:21

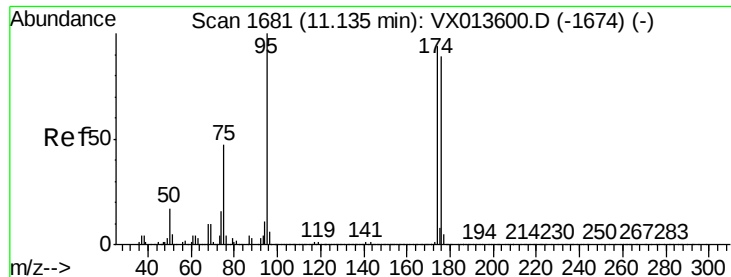
Tgt Ion: 98 Resp: 1261036

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.697 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

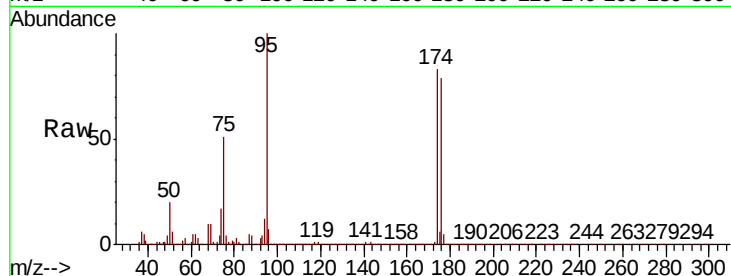
Tot Ion: 95 Resp: 422771

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

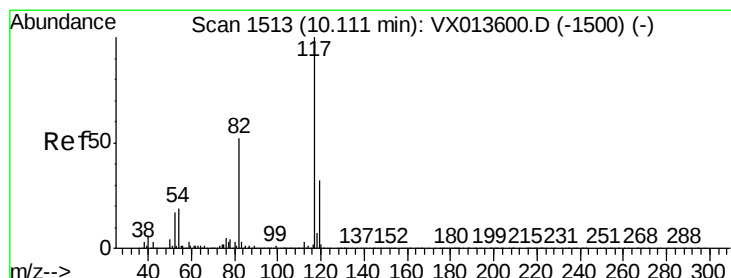
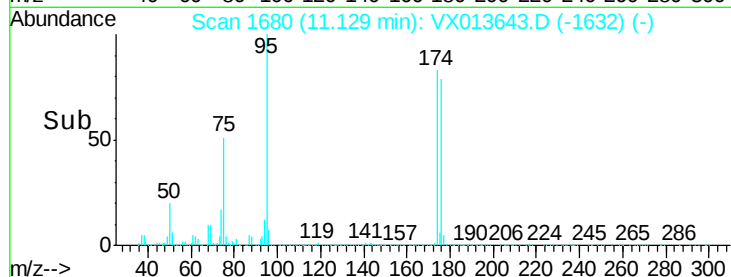
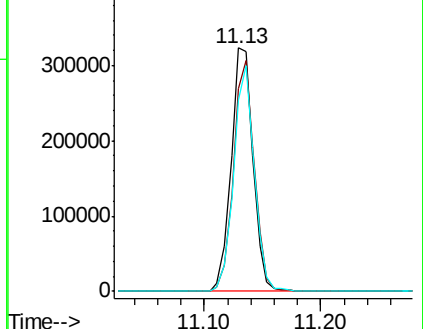
176 87.7 0.0 173.6



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: VX013643.D

Acq: 27 Nov 2019 11:21

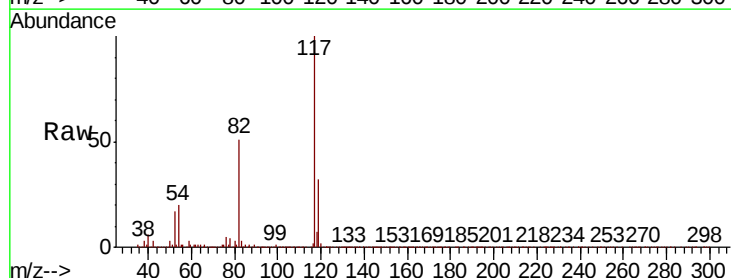
Tgt Ion: 117 Resp: 950237

Ion Ratio Lower Upper

117 100

82 50.7 41.8 62.8

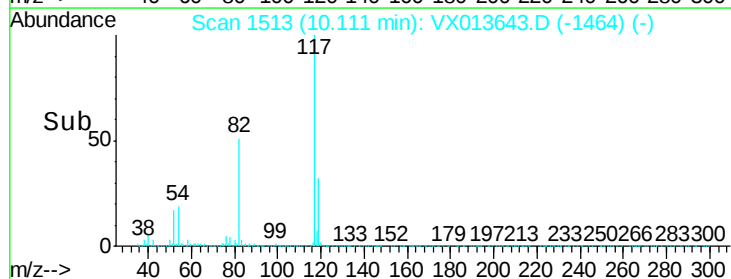
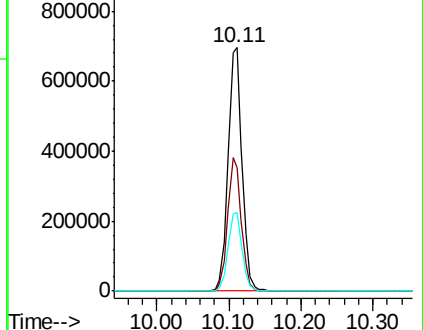
119 32.2 25.8 38.8

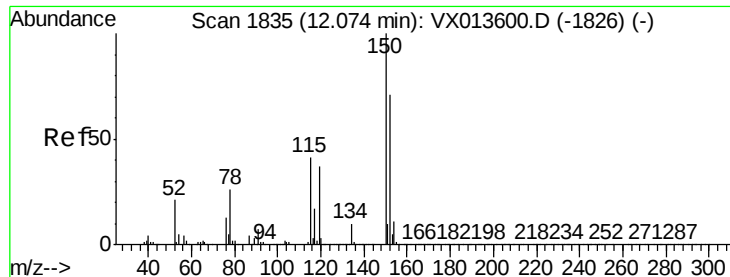


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



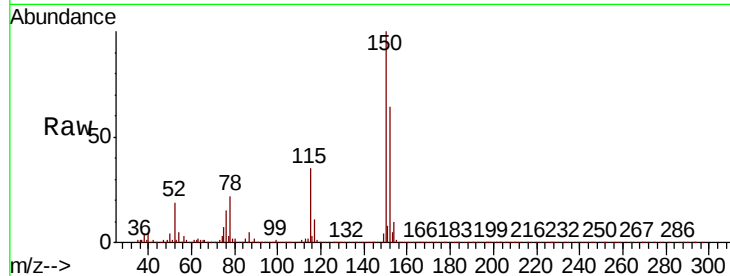


#72

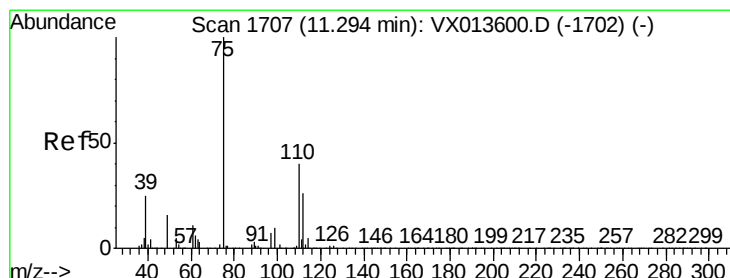
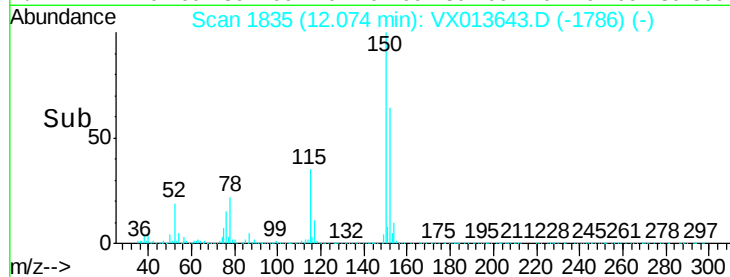
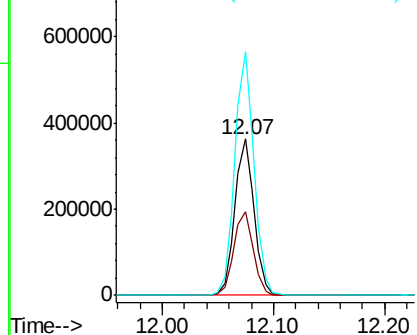
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	156.0	0.0	346.8



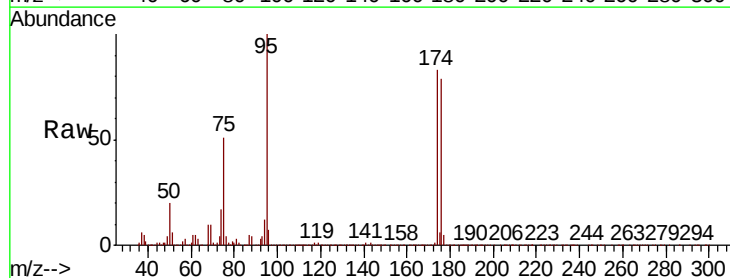
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



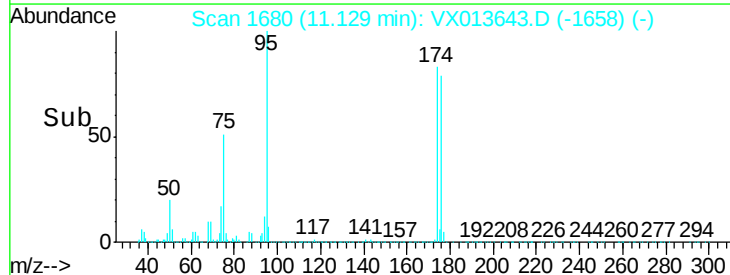
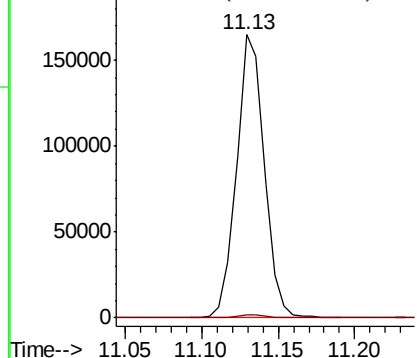
#76

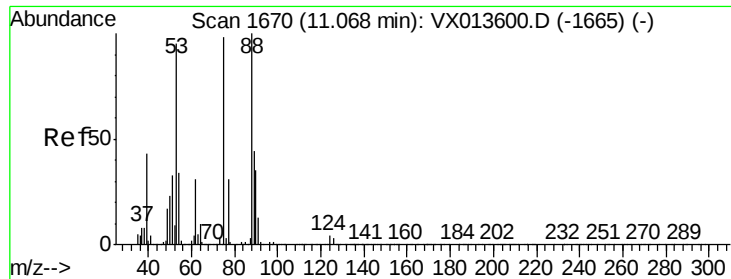
1,2,3-Trichloropropane
Concen: 21.239 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013643.D
Acq: 27 Nov 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 58.107 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013643.D

Acq: 27 Nov 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

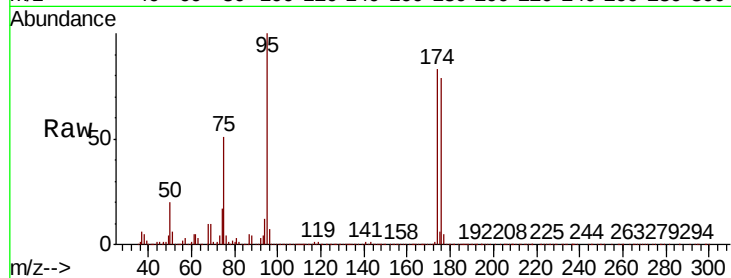
Tot Ion: 75 Resp: 205886

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 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

