

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013399.D
 Acq On : 13 Nov 2019 11:22
 Operator : JC/SP
 Sample : VX1113WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 04:32:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	745716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1178063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1030773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	469469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	425619	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	5.48	113	354132	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	1397393	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	461900	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

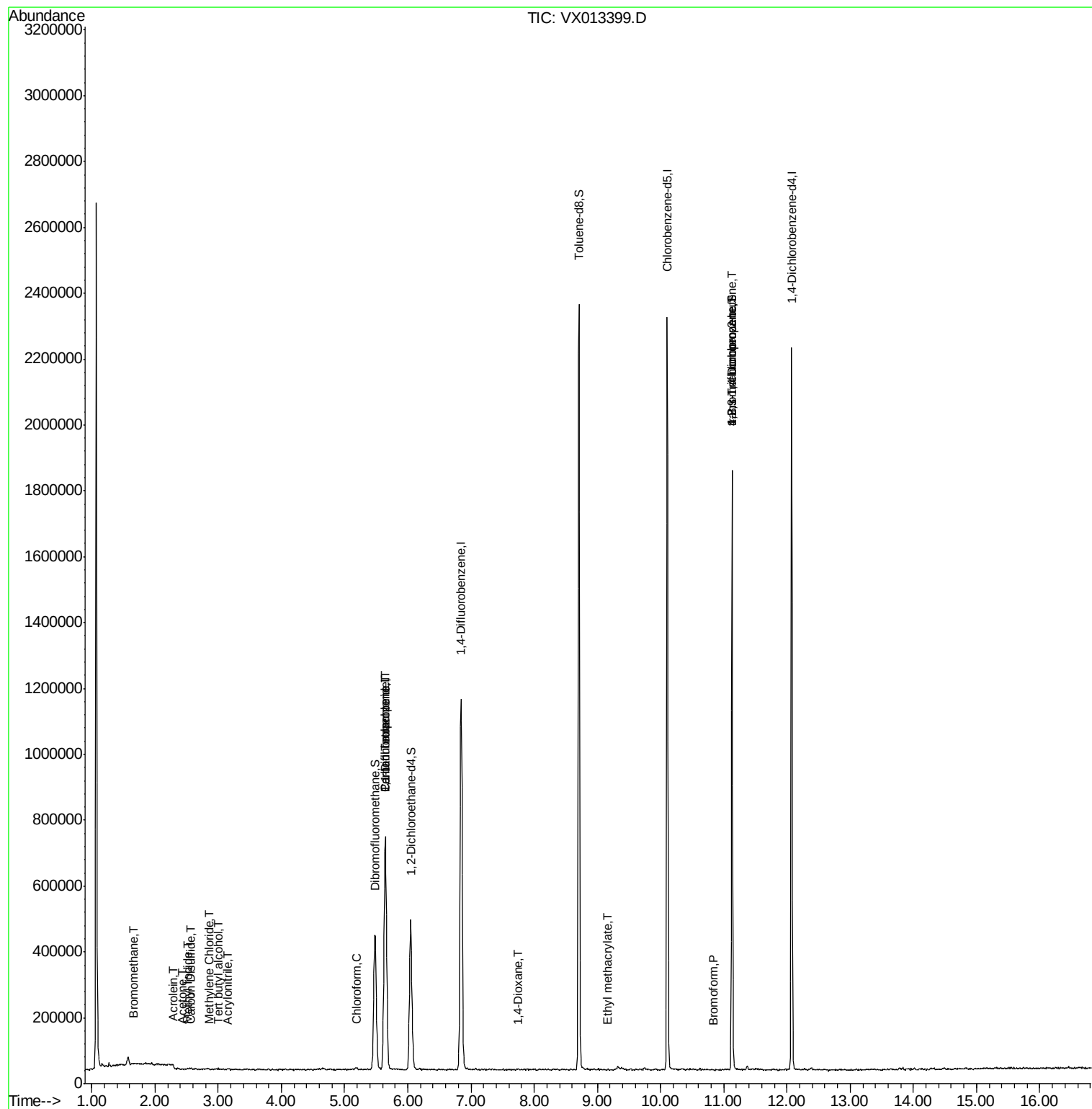
					Qvalue	
5) Bromomethane	1.65	94	2570	0.348	ug/l #	46
6) Chloroethane	1.74	64	1101	Below Cal	#	43
10) Methyl Iodide	2.51	142	1898	0.219	ug/l #	87
11) Tert butyl alcohol	3.00	59	1956	0.840	ug/l #	35
13) Acrolein	2.30	56	650	0.515	ug/l #	14
15) Acrylonitrile	3.14	53	2147	0.494	ug/l #	49
16) Acetone	2.43	43	2598	0.590	ug/l #	44
17) Carbon Disulfide	2.56	76	4238	0.231	ug/l #	94
20) Methylene Chloride	2.85	84	3107	0.382	ug/l #	67
30) Chloroform	5.19	83	5014	0.378	ug/l	92
36) 1,1-Dichloropropene	5.65	75	49595	4.907	ug/l #	42
38) Carbon Tetrachloride	5.64	117	64462	6.523	ug/l #	16
49) 1,4-Dioxane	7.73	88	108	0.486	ug/l #	1
56) Ethyl methacrylate	9.15	69	111	1.571	ug/l #	1
71) Bromoform	10.85	173	241	3.234	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	227078	23.814	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	227078	61.296	ug/l #	9

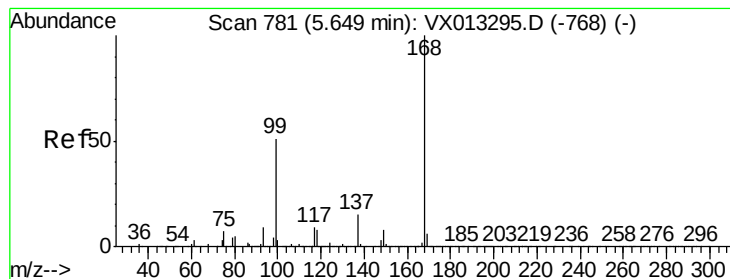
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

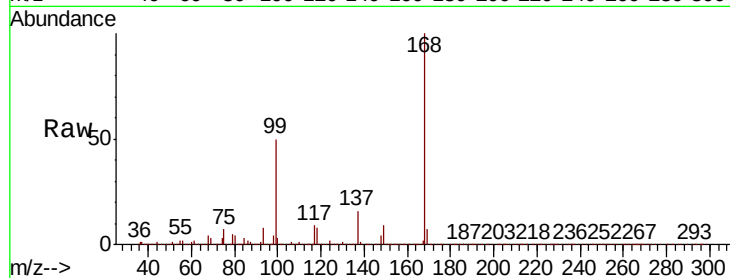
ClientSampleId :

Tot Ion:168 Resp: 745716

Ion Ratio Lower Upper

168 100

99 50.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

150000

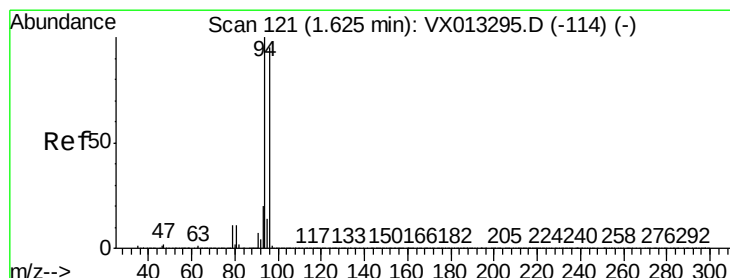
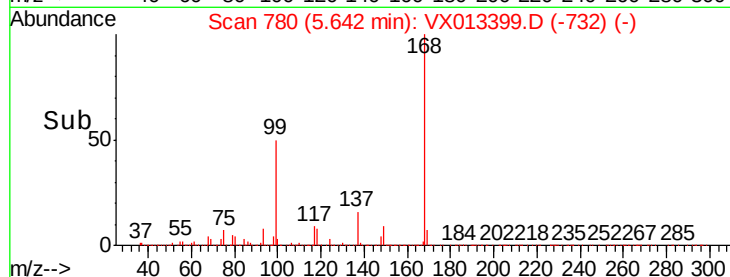
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013399.D

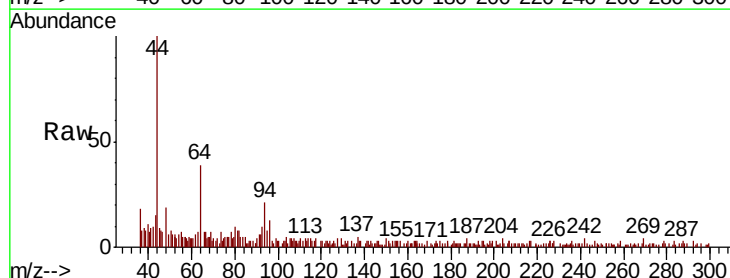
Acq: 13 Nov 2019 11:22

Tgt Ion: 94 Resp: 2570

Ion Ratio Lower Upper

94 100

96 42.2 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

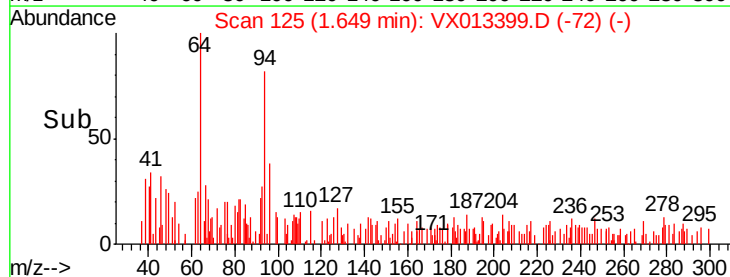
1000

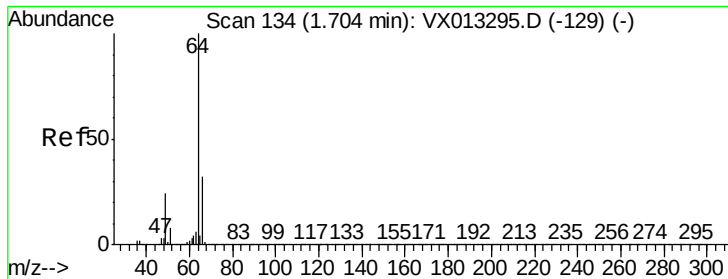
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.04 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

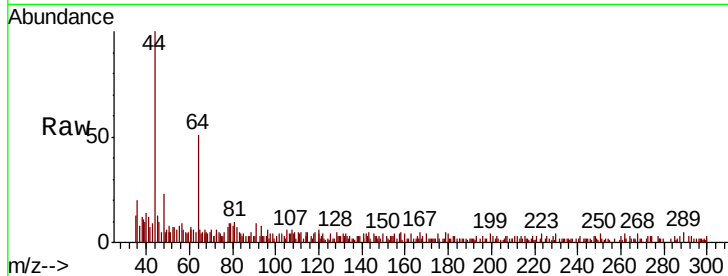
ClientSampleId :

Tot Ion: 64 Resp: 1101

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

2500

2000

1500

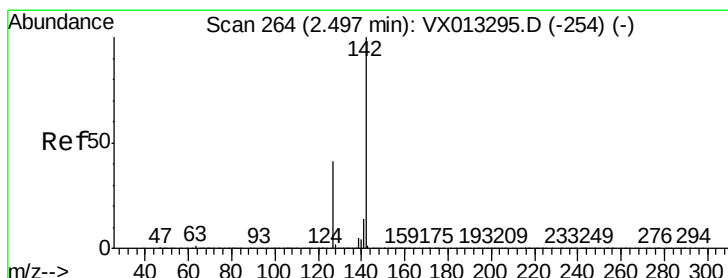
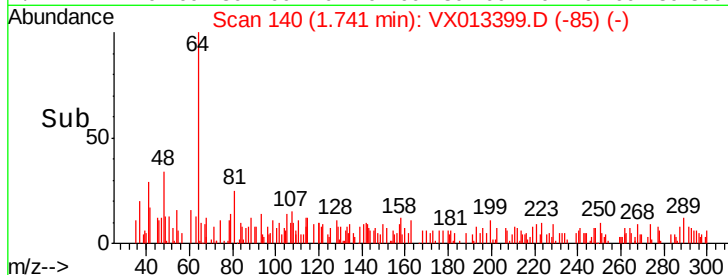
1000

500

0

Time-->

1.72 1.74 1.76



#10

Methyl Iodide

Concen: 0.219 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

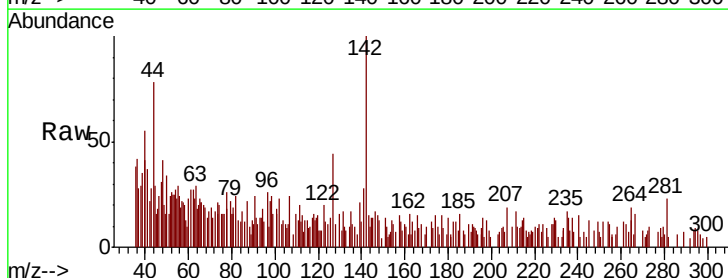
Tgt Ion: 142 Resp: 1898

Ion Ratio Lower Upper

142 100

127 38.3 32.6 49.0

141 29.6 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1500

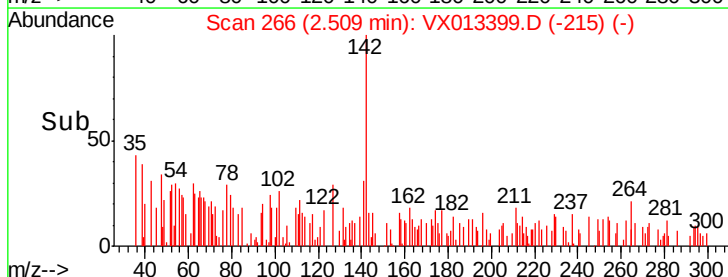
1000

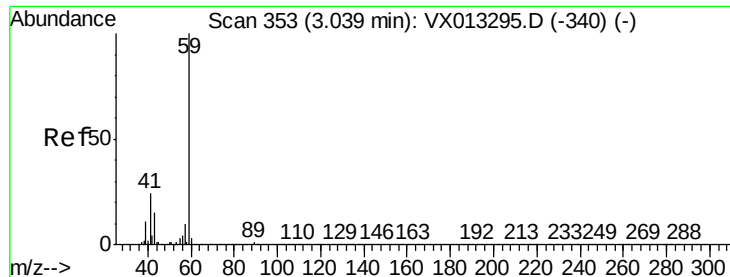
500

0

Time-->

2.40 2.45 2.50 2.55

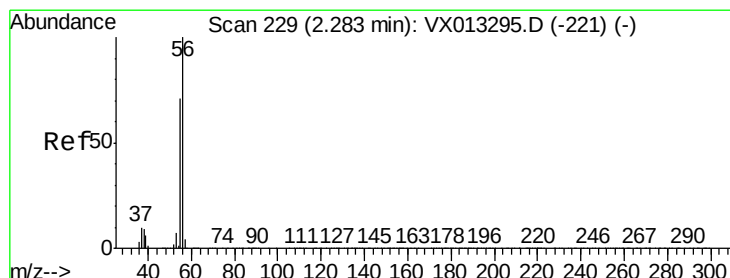
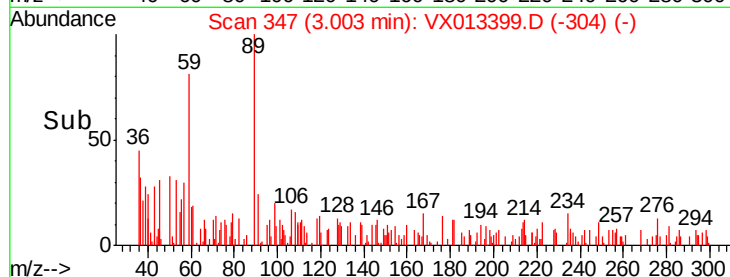
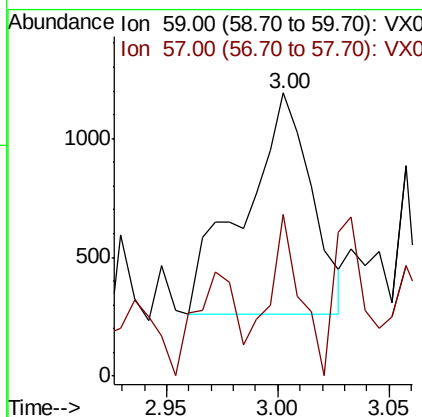
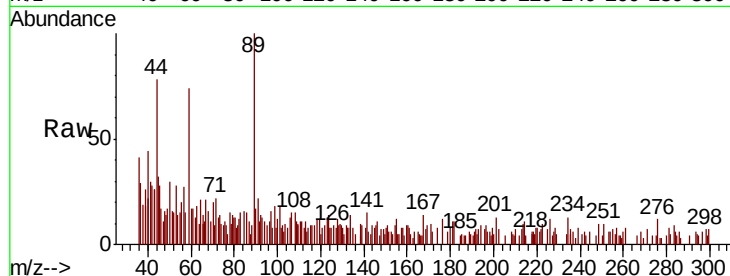




#11
Tert butyl alcohol
Concen: 0.840 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

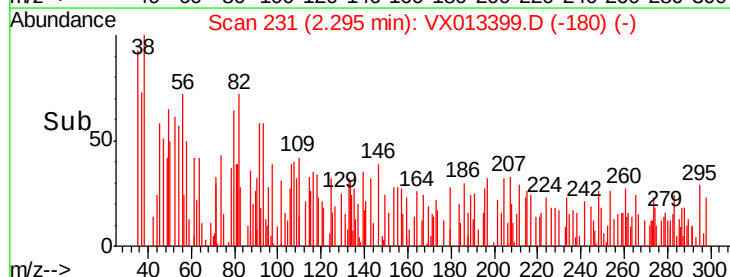
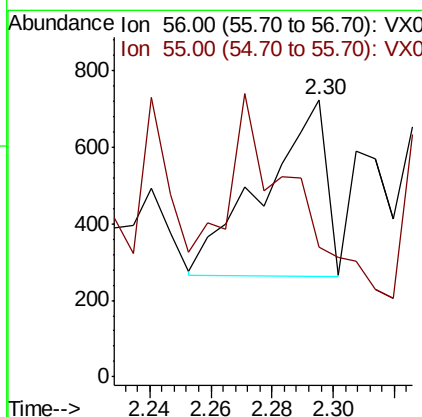
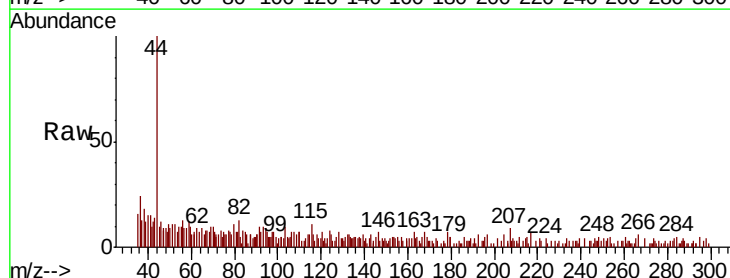
Instrument :
MSVOA_X
ClientSampled :

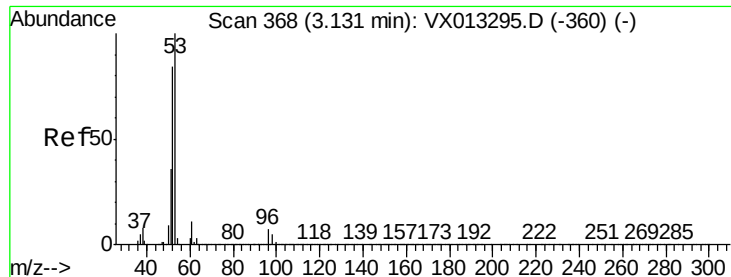
Tot Ion: 59 Resp: 1956
Ion Ratio Lower Upper
59 100
57 34.2 8.0 12.0#



#13
Acrolein
Concen: 0.515 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Tgt Ion: 56 Resp: 650
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#





#15

Acrylonitrile

Concen: 0.494 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

ClientSampled :

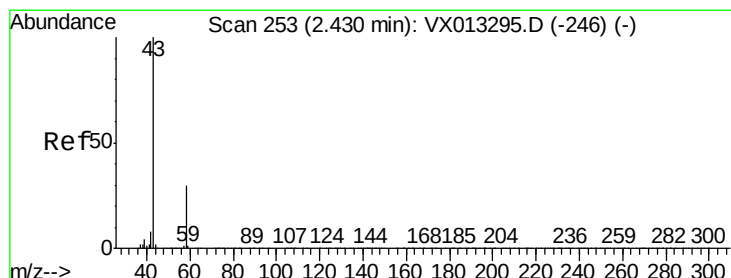
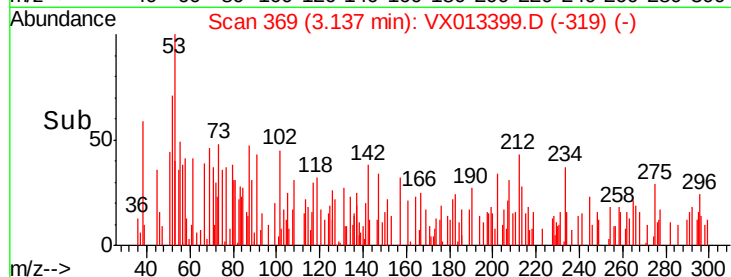
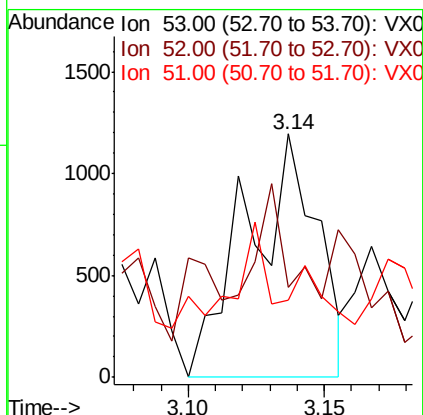
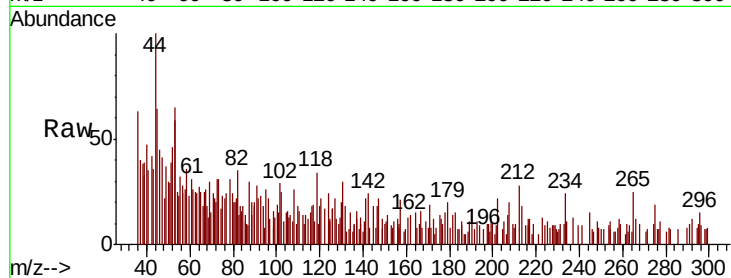
Tot Ion: 53 Resp: 2147

Ion Ratio Lower Upper

53 100

52 21.7 67.4 101.0#

51 42.6 29.4 44.2



#16

Acetone

Concen: 0.590 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013399.D

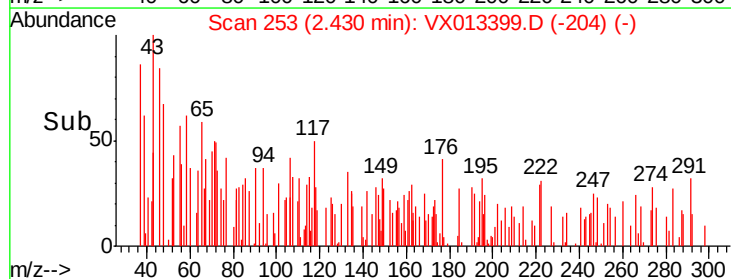
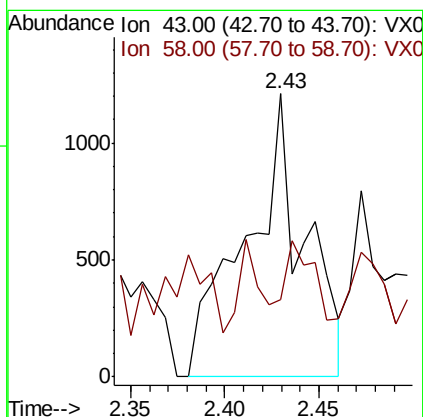
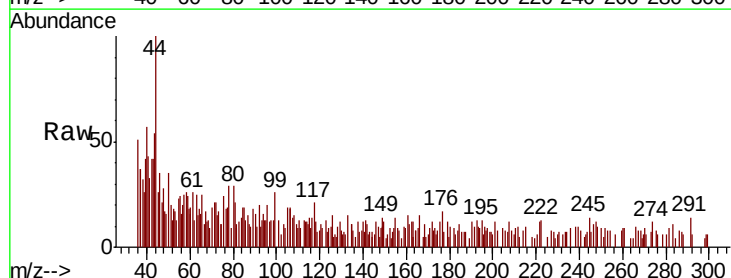
Acq: 13 Nov 2019 11:22

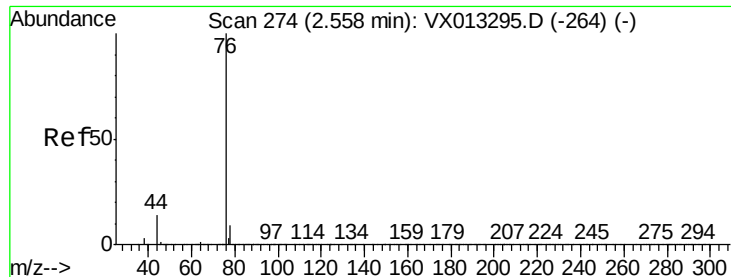
Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

58 0.0 24.3 36.5#





#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

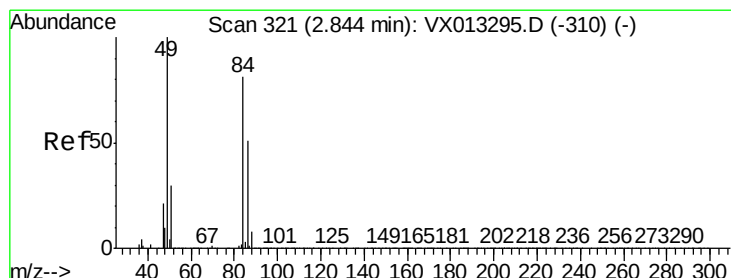
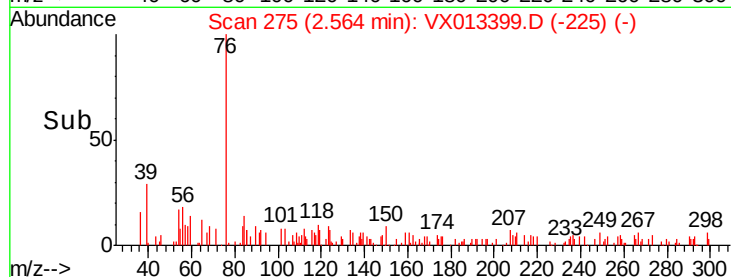
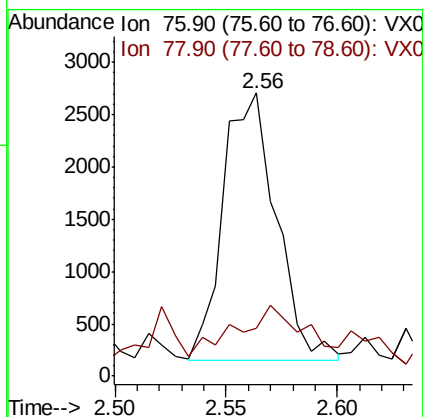
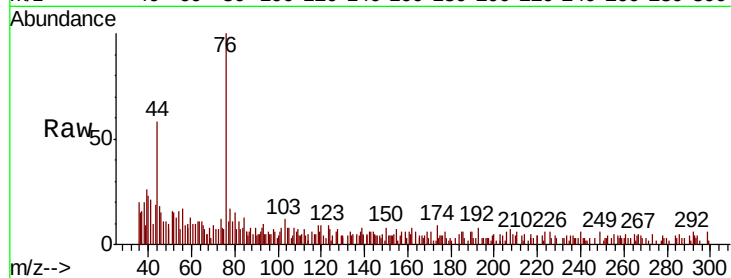
ClientSampleId :

Tot Ion: 76 Resp: 4238

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.6#



#20

Methylene Chloride

Concen: 0.382 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Tgt Ion: 84 Resp: 3107

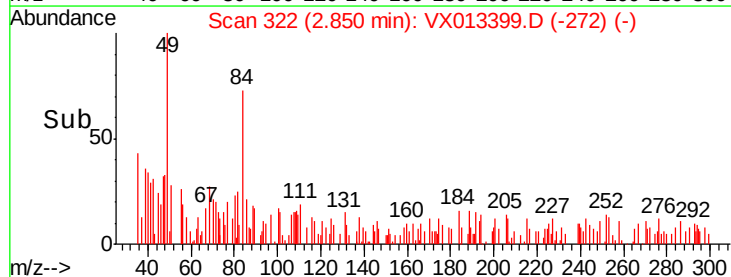
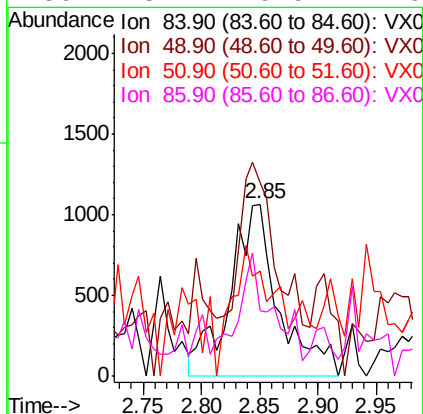
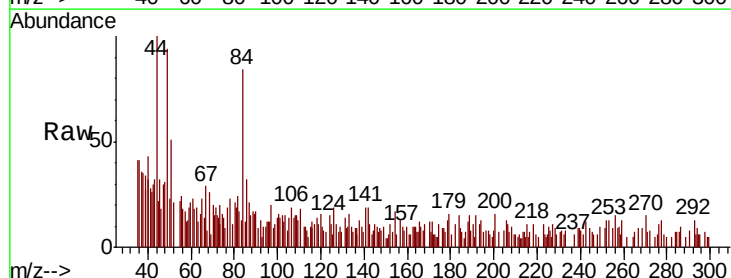
Ion Ratio Lower Upper

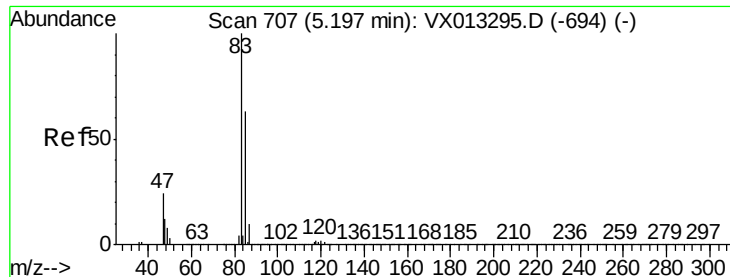
84 100

49 87.6 98.2 147.4#

51 26.3 29.9 44.9#

86 28.1 49.9 74.9#





#30

Chloroform

Concen: 0.378 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

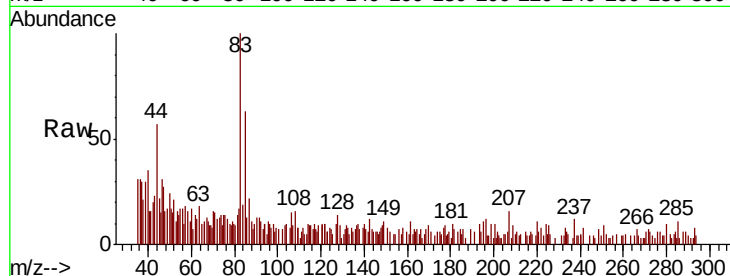
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 5014

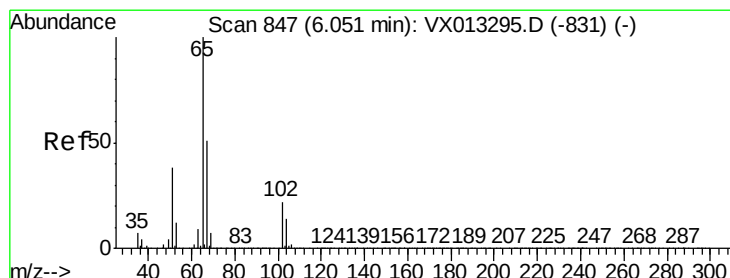
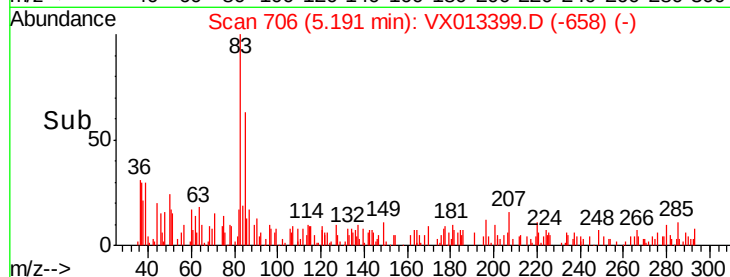
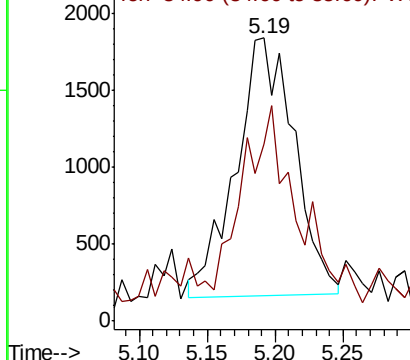
Ion Ratio Lower Upper

83 100

85 56.2 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.177 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013399.D

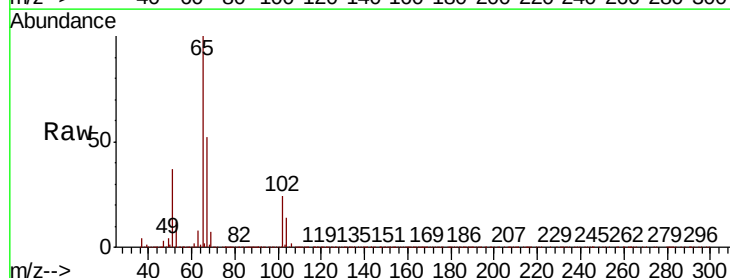
Acq: 13 Nov 2019 11:22

Tgt Ion: 65 Resp: 425619

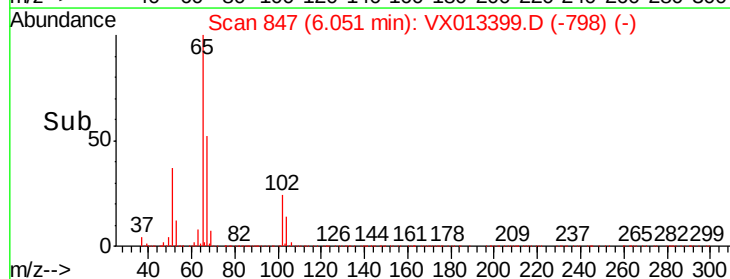
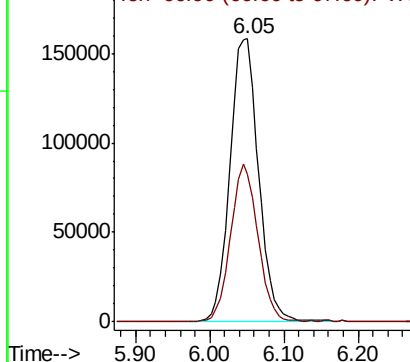
Ion Ratio Lower Upper

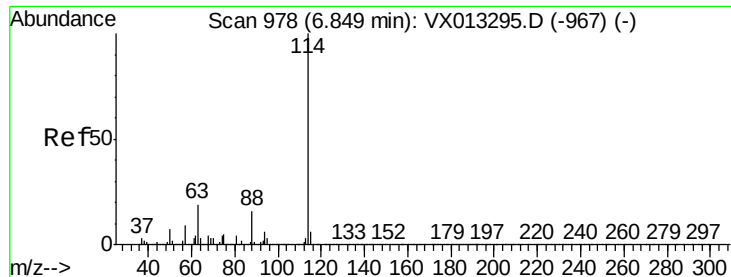
65 100

67 53.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

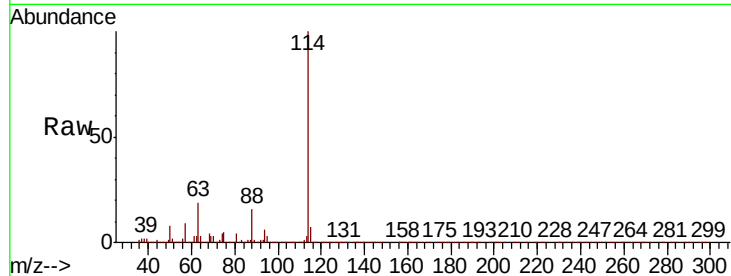
Tot Ion:114 Resp: 1178063

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

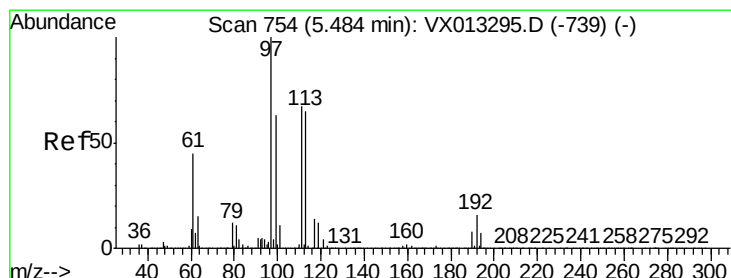
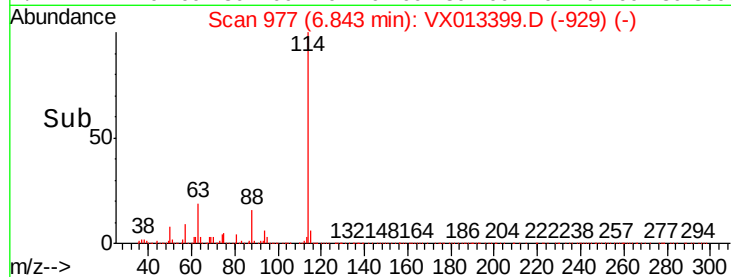
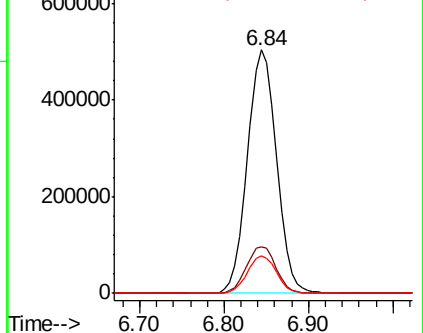
88 15.5 0.0 32.2



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: 47.927 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

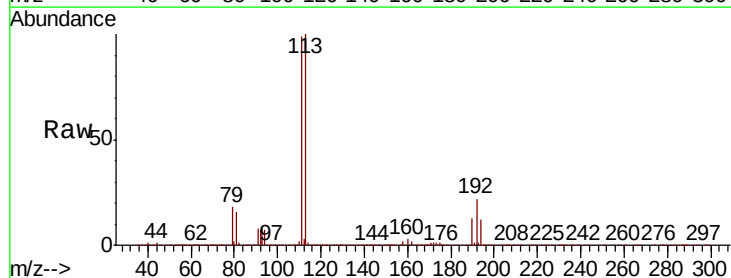
Tgt Ion:113 Resp: 354132

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

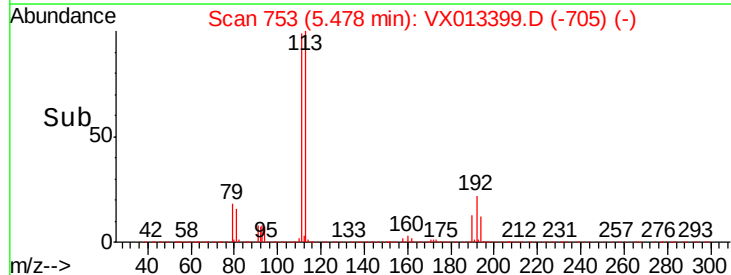
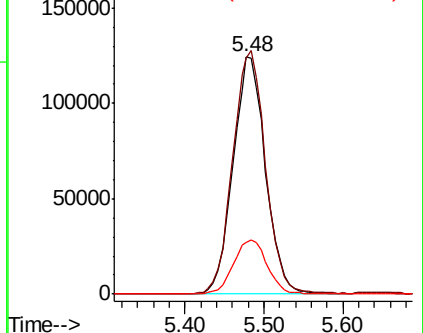
192 23.9 19.1 28.7

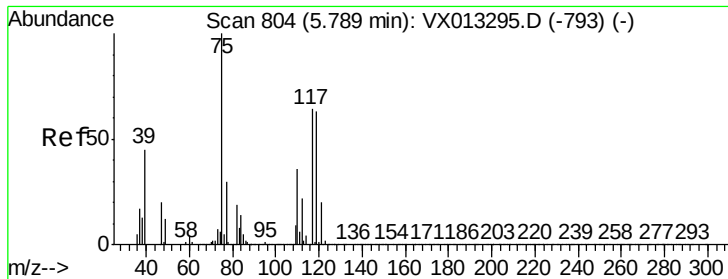


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :

MSVOA_X

ClientSampleId :

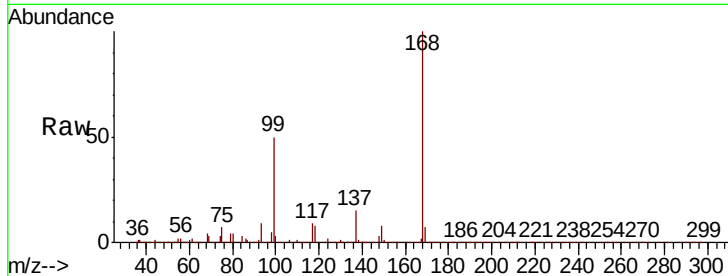
Tot Ion: 75 Resp: 49595

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.8 25.0 37.4#

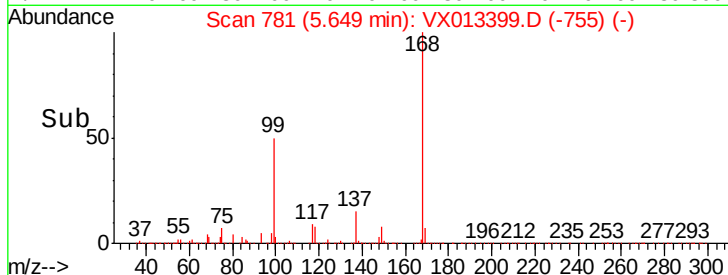


Abundance Ion 74.90 (74.60 to 75.60): VX013399.D (-793) (-)

Ion 109.90 (109.60 to 110.60): VX013399.D (-793) (-)

Ion 76.90 (76.60 to 77.60): VX013399.D (-793) (-)

Time-->

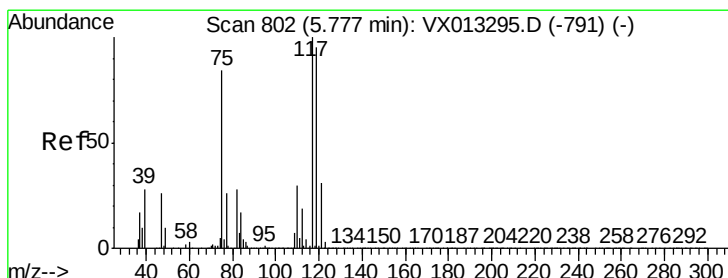


Abundance Ion 74.90 (74.60 to 75.60): VX013399.D (-793) (-)

Ion 109.90 (109.60 to 110.60): VX013399.D (-793) (-)

Ion 76.90 (76.60 to 77.60): VX013399.D (-793) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.523 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

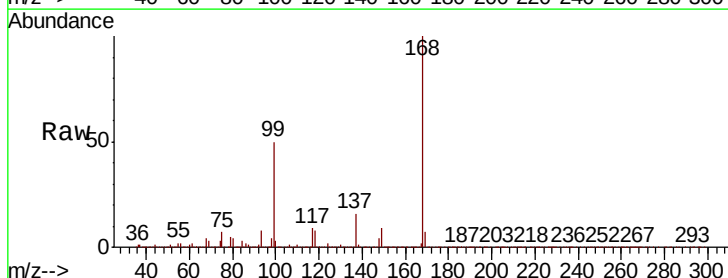
Tgt Ion: 117 Resp: 64462

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.6 37.0#

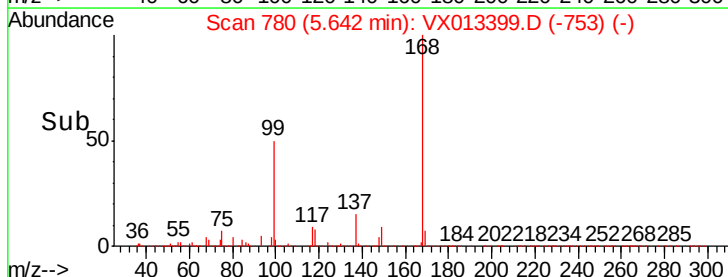


Abundance Ion 116.80 (116.50 to 117.50): VX013399.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX013399.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX013399.D (-753) (-)

Time-->

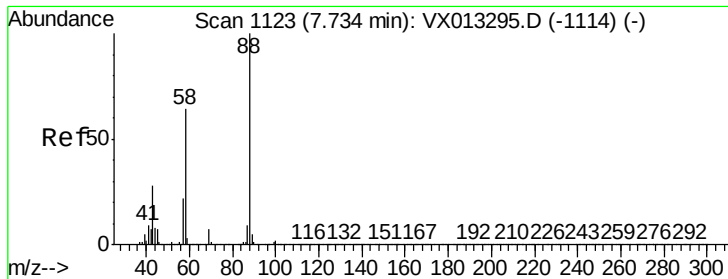


Abundance Ion 116.80 (116.50 to 117.50): VX013399.D (-753) (-)

Ion 118.80 (118.50 to 119.50): VX013399.D (-753) (-)

Ion 120.80 (120.50 to 121.50): VX013399.D (-753) (-)

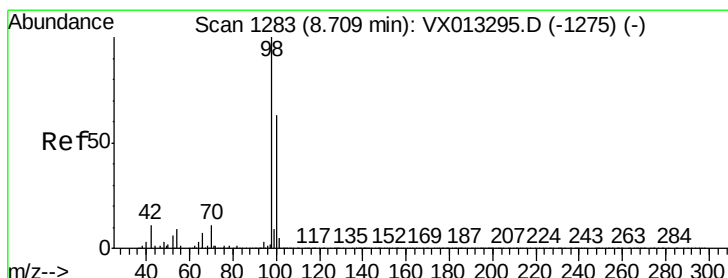
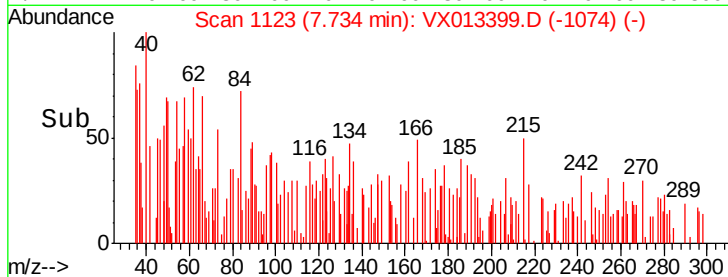
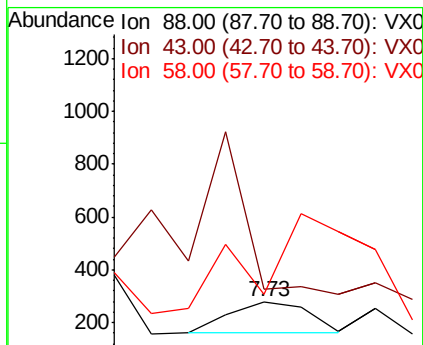
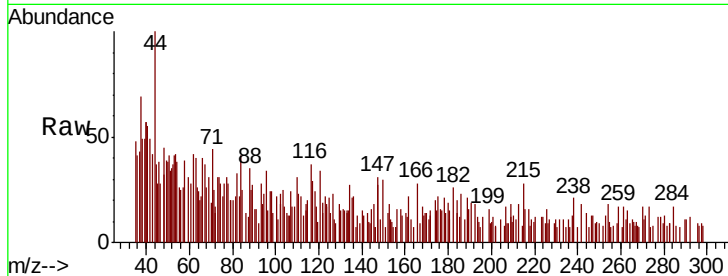
Time-->



#49
1,4-Dioxane
Concen: 0.486 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

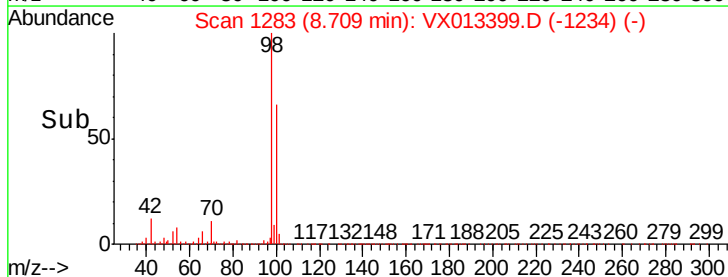
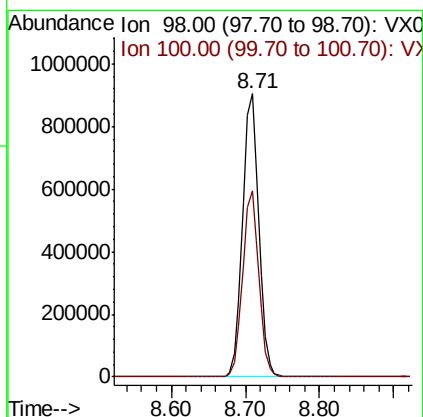
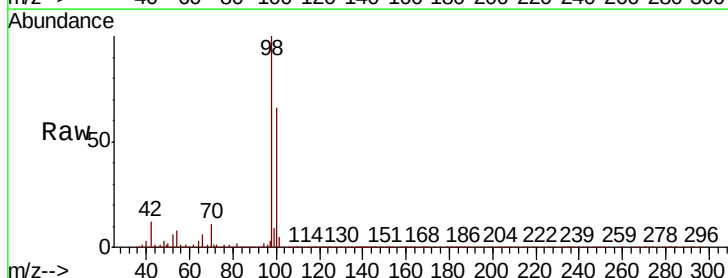
Instrument :
MSVOA_X
ClientSampleId :

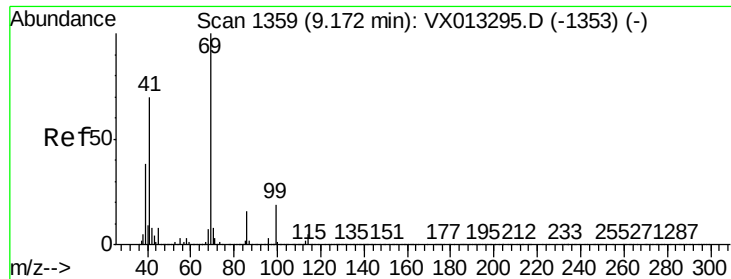
Tot Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 998.1 26.6 39.8#
58 1171.3 55.0 82.6#



#50
Toluene-d8
Concen: 50.166 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Tgt Ion: 98 Resp: 1397393
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.571 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.02 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

Instrument :
MSVOA_X
ClientSampled :

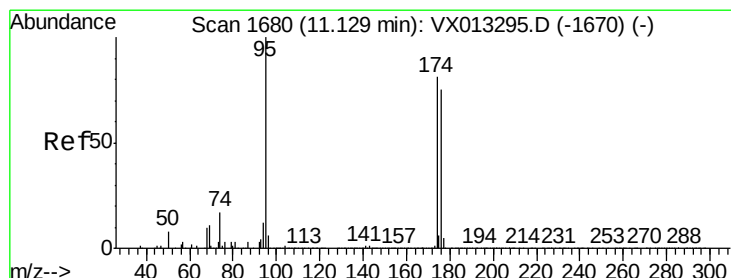
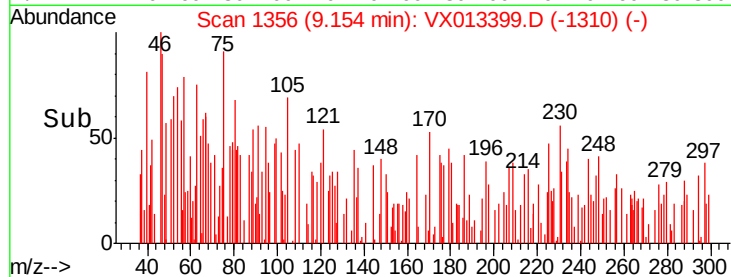
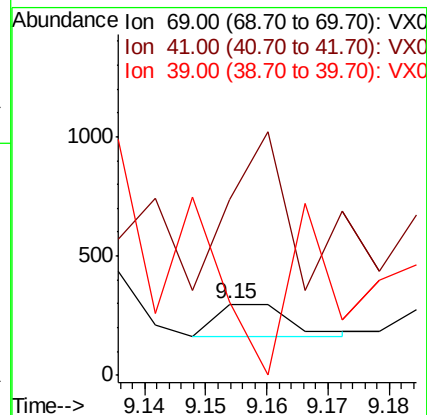
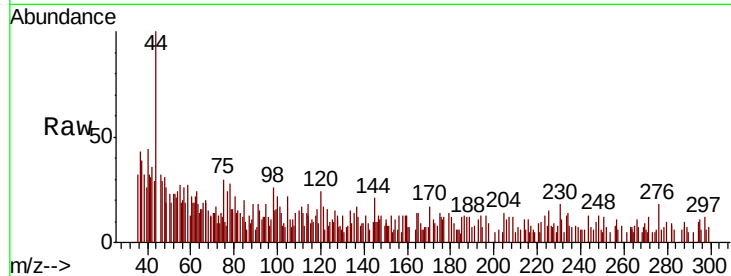
Tot Ion: 69 Resp: 111

Ion Ratio Lower Upper

69 100

41 1291.9 56.2 84.2#

39 444.1 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 45.945 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013399.D

Acq: 13 Nov 2019 11:22

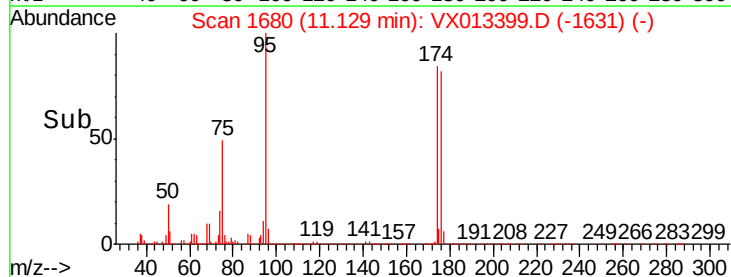
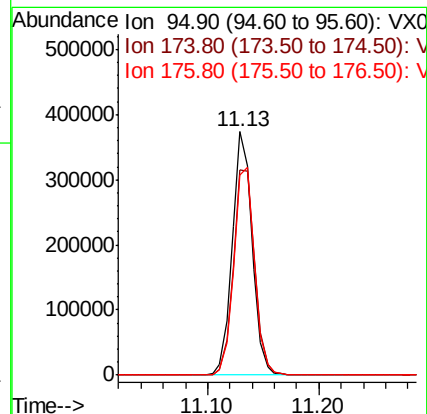
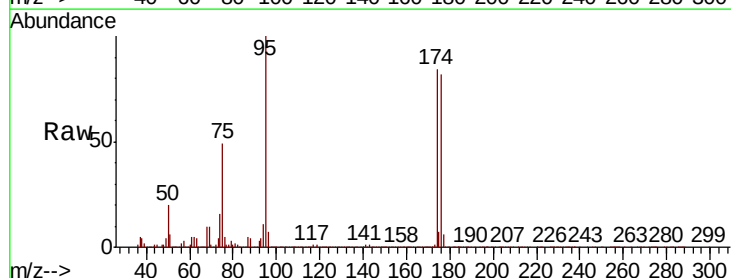
Tgt Ion: 95 Resp: 461900

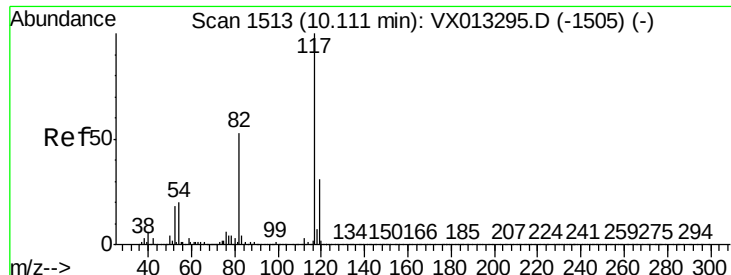
Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.8

176 89.0 0.0 173.0

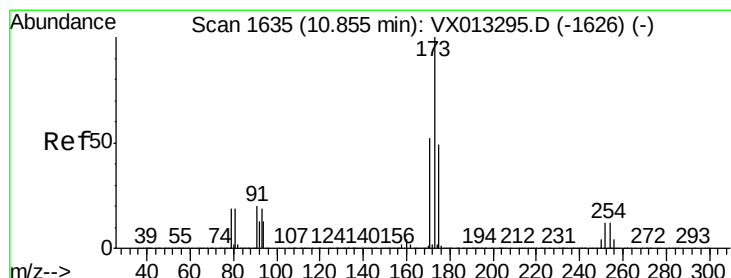
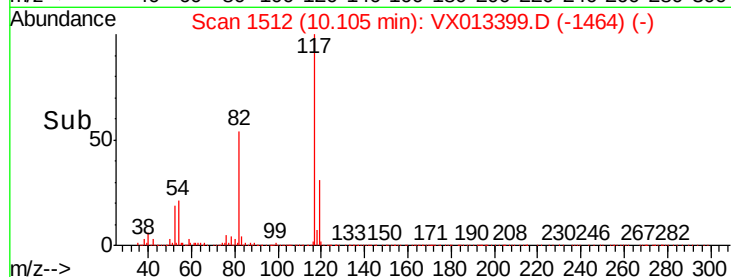
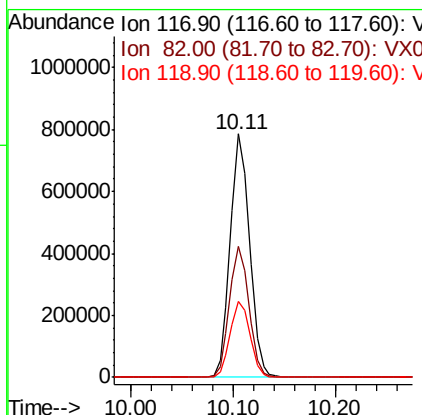
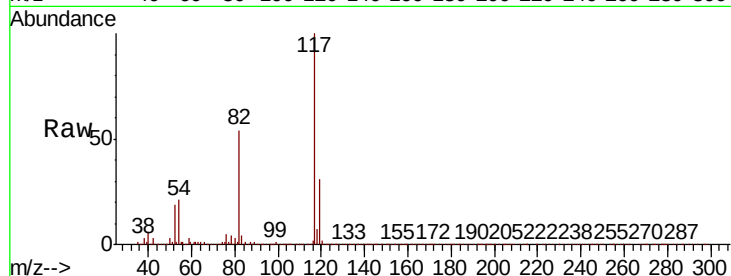




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

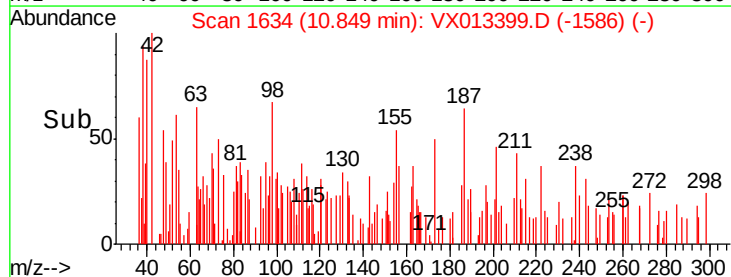
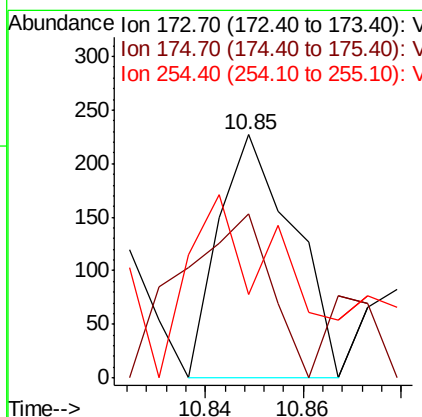
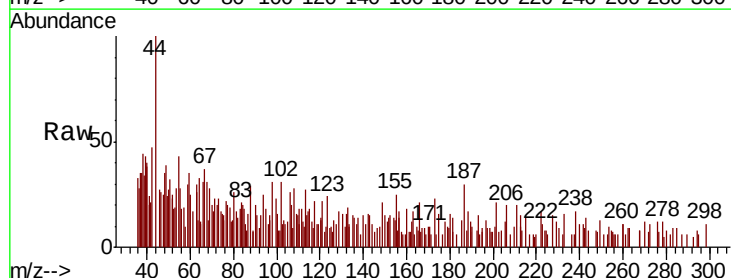
Instrument :
MSVOA_X
ClientSampled :

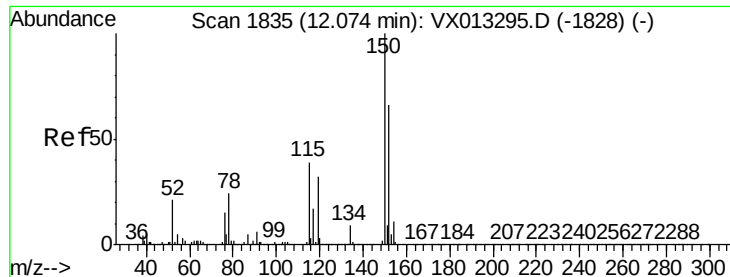
Tot Ion:117 Resp: 1030773
Ion Ratio Lower Upper
117 100
82 53.7 42.6 64.0
119 31.0 24.8 37.2



#71
Bromoform
Concen: 3.234 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Tgt Ion:173 Resp: 241
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 94.2 0.2 0.2#



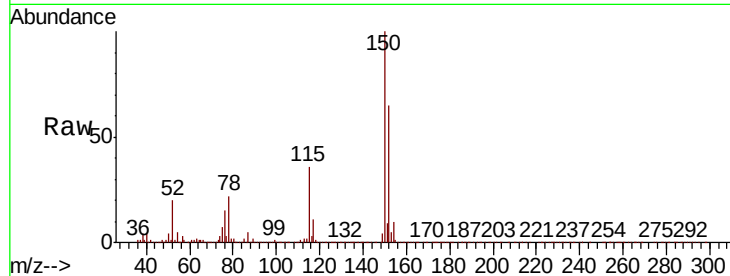


#72

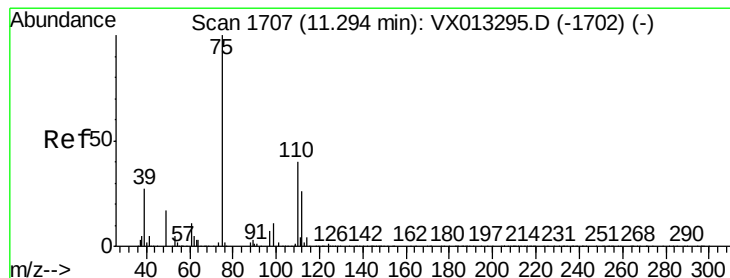
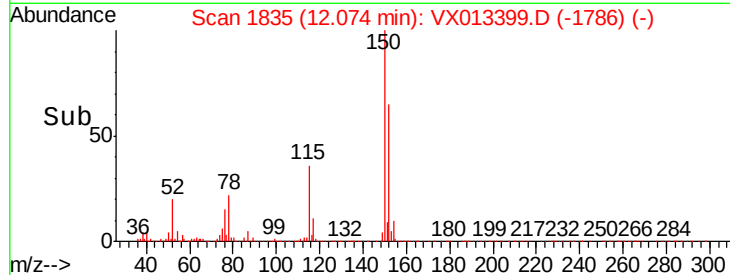
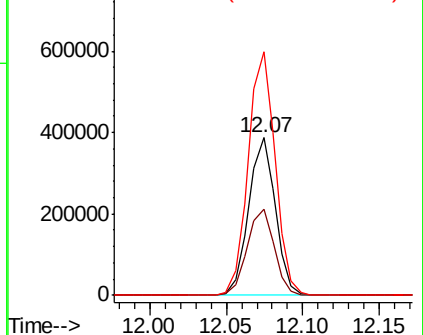
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	39.5	118.3
150	156.1	0.0	344.4



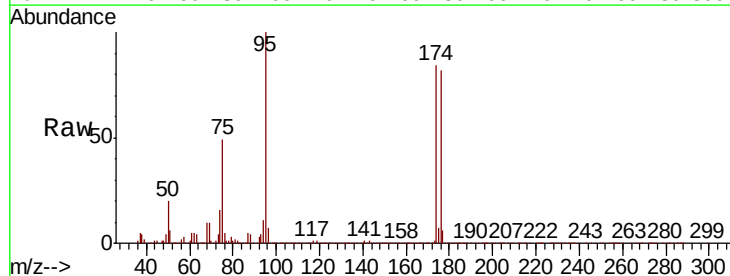
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



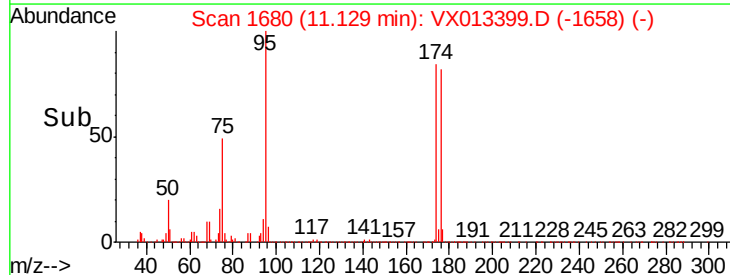
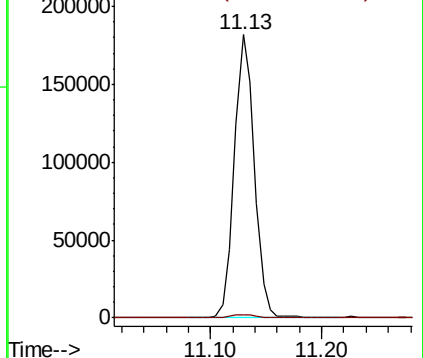
#76

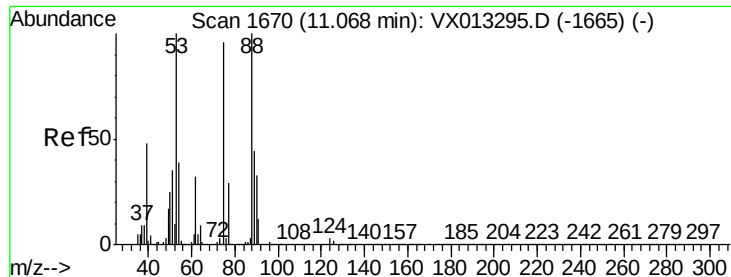
1,2,3-Trichloropropane
Concen: 23.814 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	22.3	66.8



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: 61.296 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013399.D
Acq: 13 Nov 2019 11:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.3	81.0	121.6#
89	0.1	36.0	54.0#

