

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013303.D
 Acq On : 01 Nov 2019 12:00
 Operator : JC/SP
 Sample : K5626-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:26:47 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	5.65	168	741626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1118941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	982479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	450661	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	425064	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	5.49	113	331339	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	8.71	98	1311804	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	429343	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

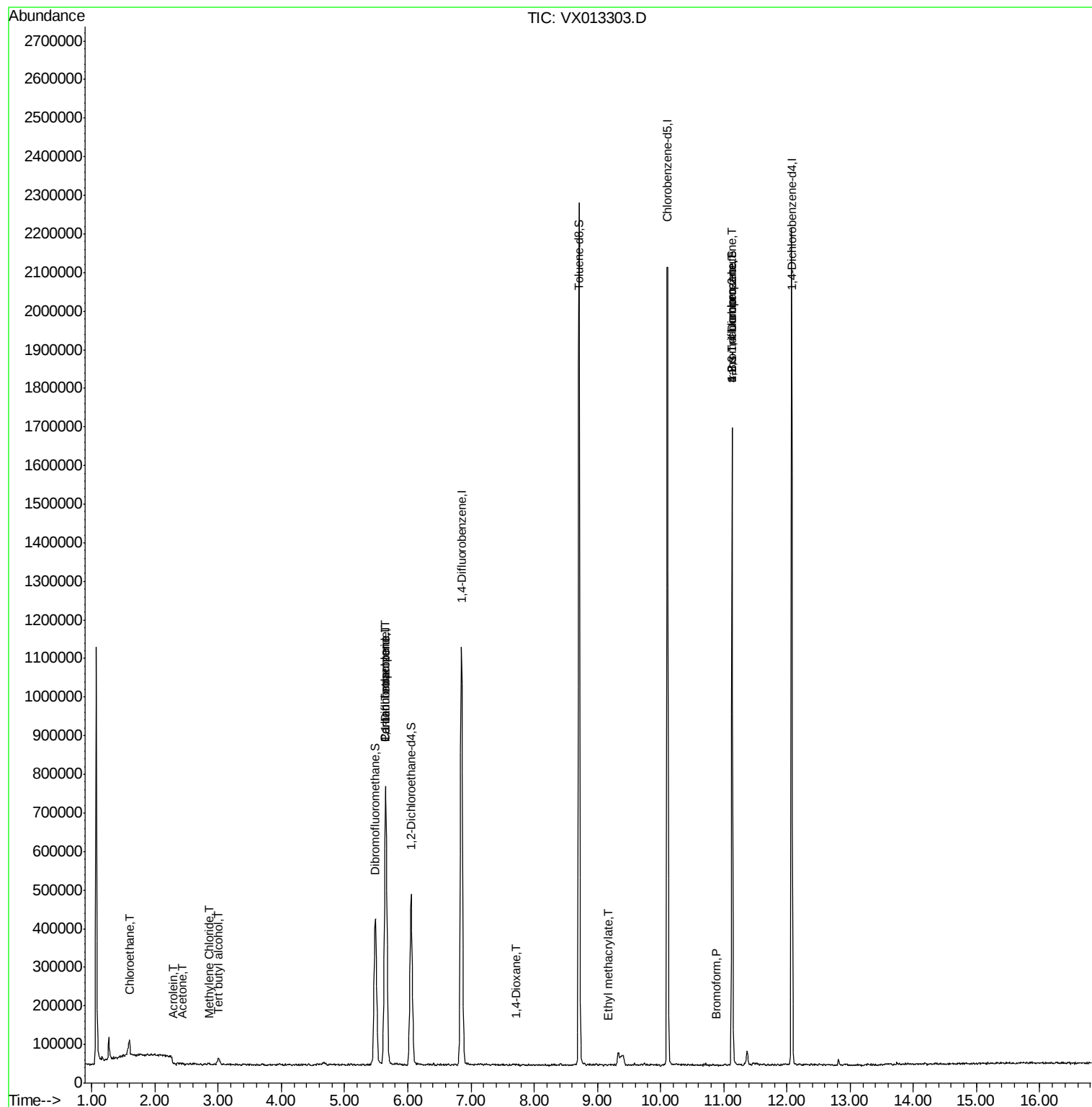
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	23586	2.786	ug/l #	47
11) Tert butyl alcohol	3.00	59	10692	4.617	ug/l #	84
13) Acrolein	2.29	56	412	0.328	ug/l #	58
16) Acetone	2.43	43	2140	0.488	ug/l #	44
20) Methylene Chloride	2.85	84	1972	0.244	ug/l #	56
36) 1,1-Dichloropropene	5.65	75	50038	5.213	ug/l #	50
38) Carbon Tetrachloride	5.65	117	63832	6.800	ug/l #	17
49) 1,4-Dioxane	7.71	88	825	3.907	ug/l #	24
56) Ethyl methacrylate	9.17	69	423	1.594	ug/l #	1
71) Bromoform	10.87	173	356	3.252	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	220761	24.118	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	220761	62.078	ug/l #	9

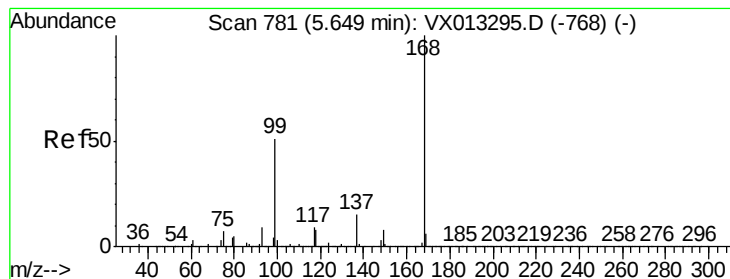
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

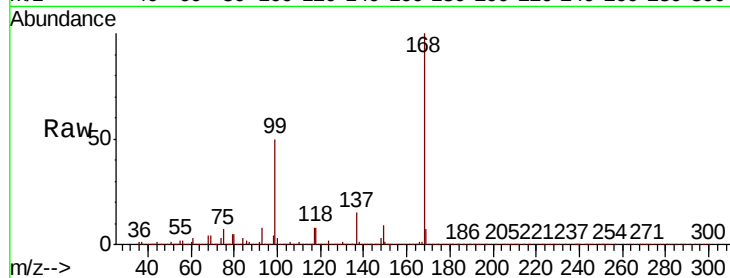
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 741626

Ion Ratio Lower Upper

168 100

99 49.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

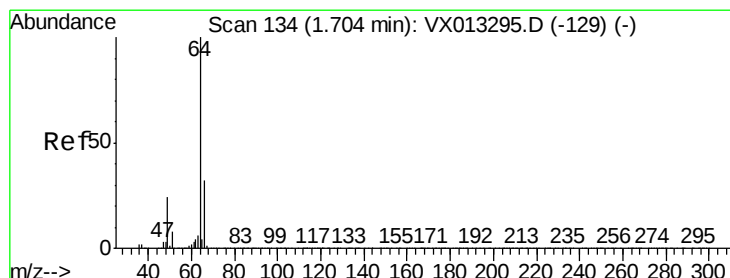
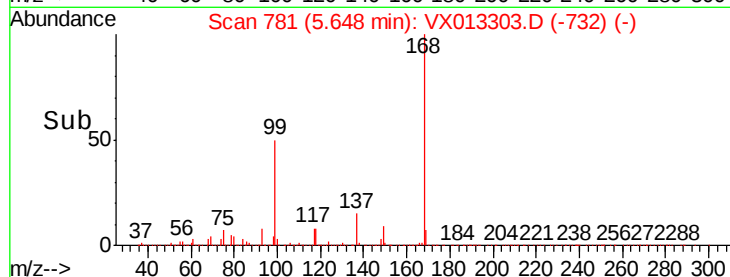
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 2.786 ug/l

RT: 1.59 min Scan# 115

Delta R.T. -0.12 min

Lab File: VX013303.D

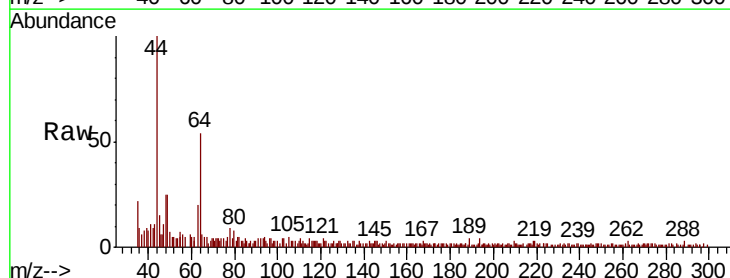
Acq: 01 Nov 2019 12:00

Tgt Ion: 64 Resp: 23586

Ion Ratio Lower Upper

64 100

66 2.2 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.59

6000

5000

4000

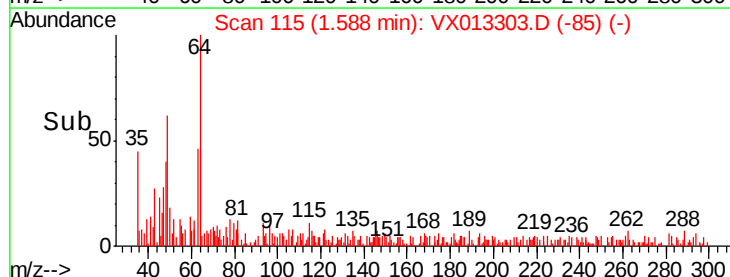
3000

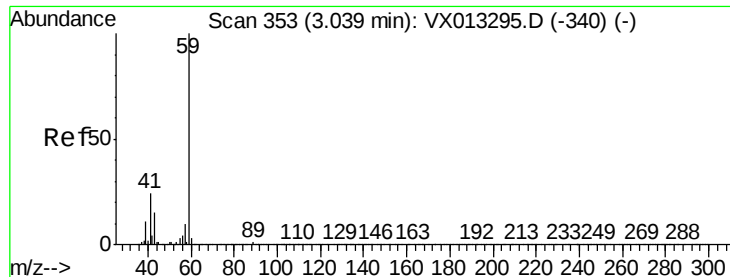
2000

1000

0

Time-->



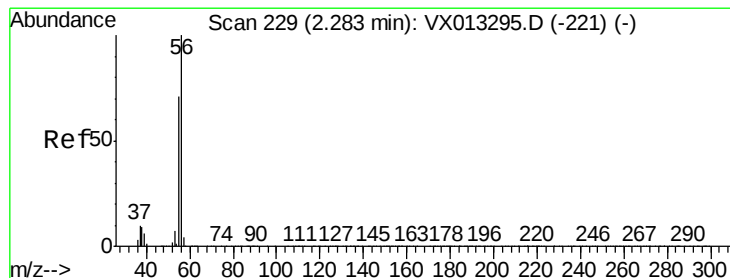
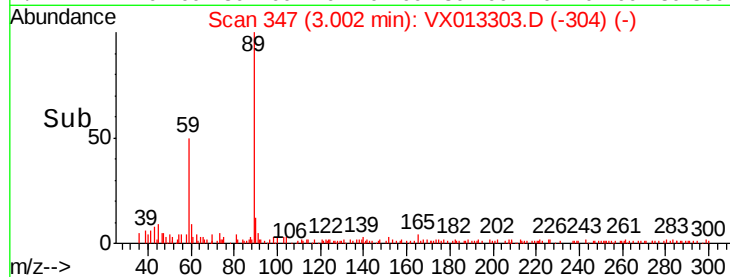
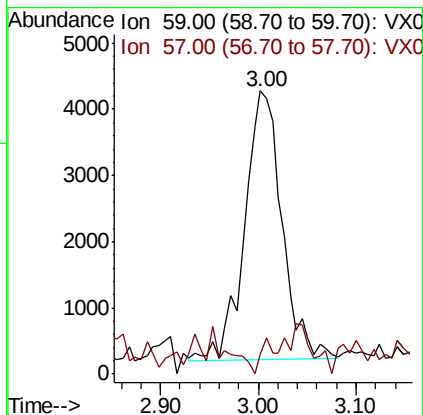
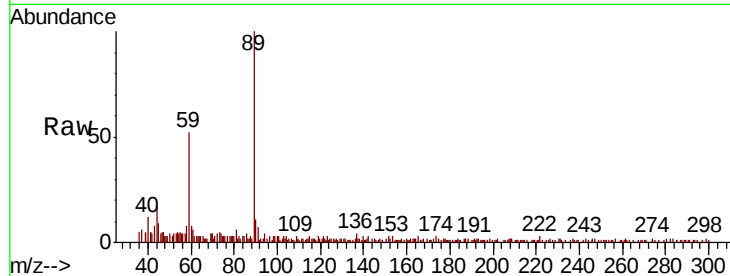


#11

Tert butyl alcohol
 Concen: 4.617 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013303.D
 Acq: 01 Nov 2019 12:00

Instrument :
 MSVOA_X
 ClientSampled :

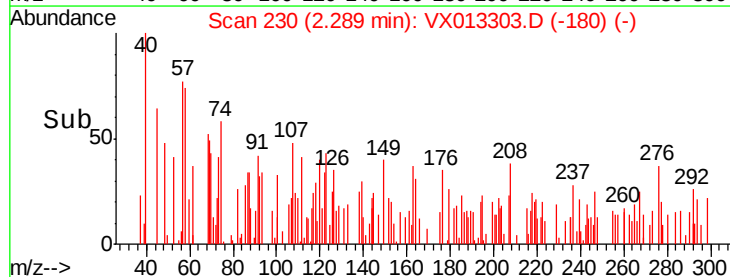
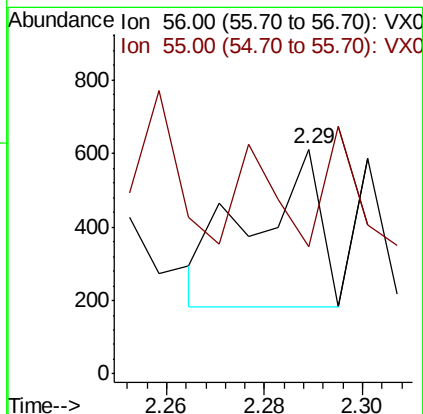
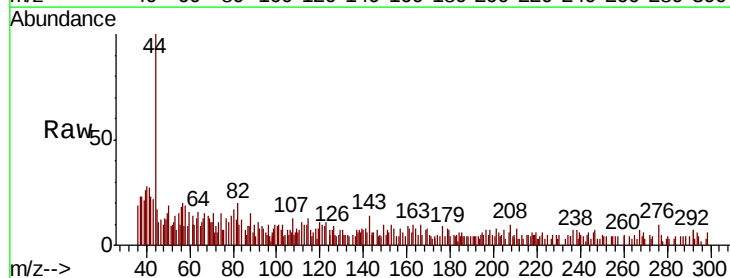
Tot Ion: 59 Resp: 10692
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.0 12.0#

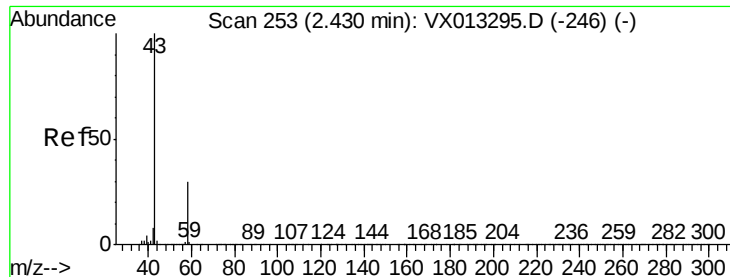


#13

Acrolein
 Concen: 0.328 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013303.D
 Acq: 01 Nov 2019 12:00

Tgt Ion: 56 Resp: 412
 Ion Ratio Lower Upper
 56 100
 55 36.9 57.4 86.0#

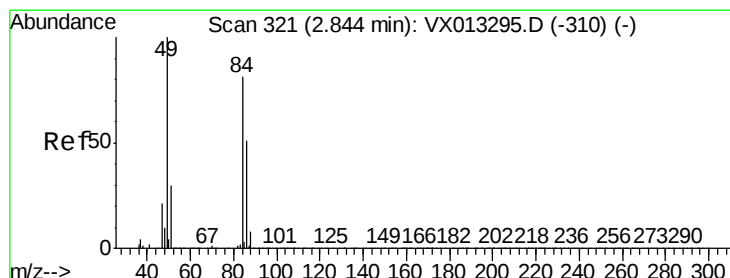
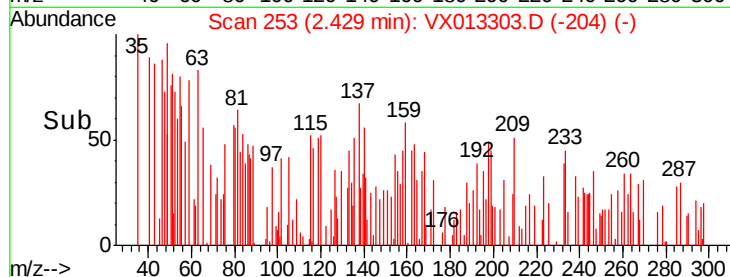
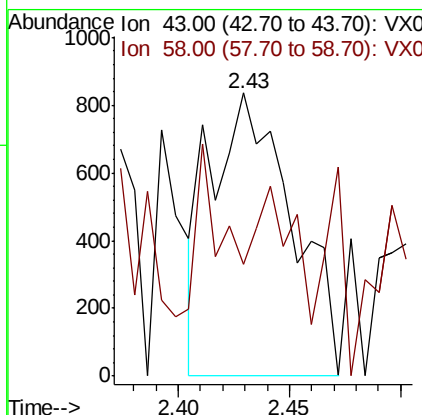
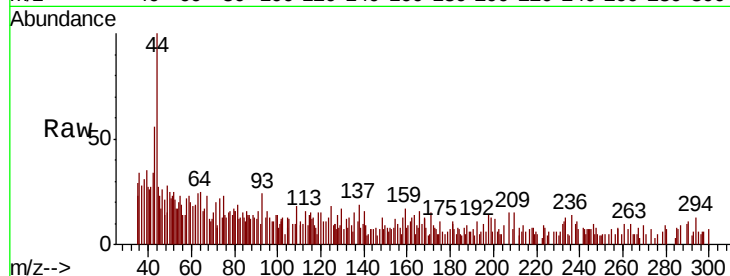




#16
Acetone
Concen: 0.488 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

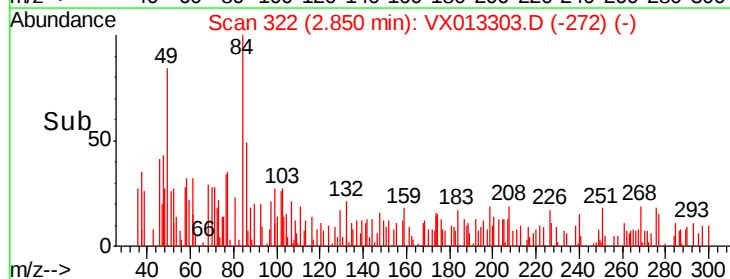
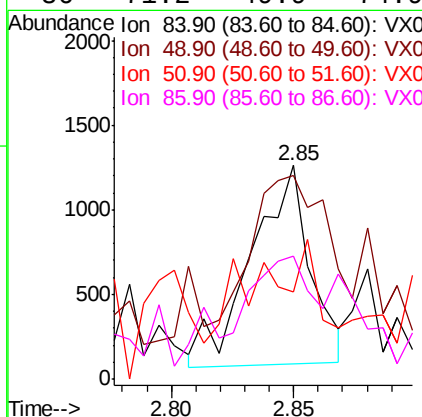
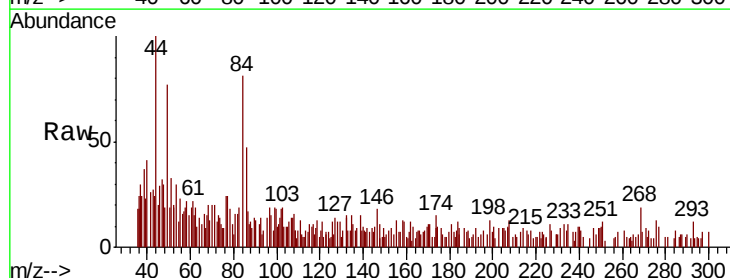
Instrument :
MSVOA_X
ClientSampled :

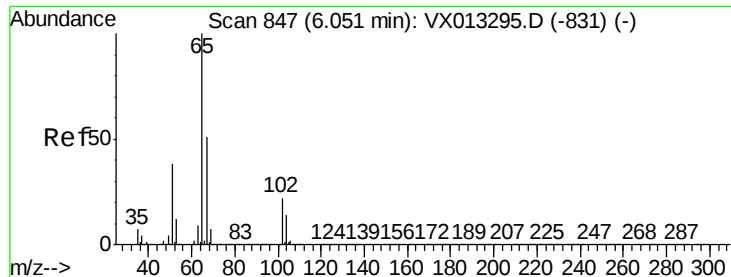
Tot Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
58 0.0 24.3 36.5#



#20
Methylene Chloride
Concen: 0.244 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

Tgt Ion: 84 Resp: 1972
Ion Ratio Lower Upper
84 100
49 49.6 98.2 147.4#
51 18.8 29.9 44.9#
86 71.2 49.9 74.9





#33

1,2-Dichloroethane-d4

Concen: 48.379 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

Instrument :

MSVOA_X

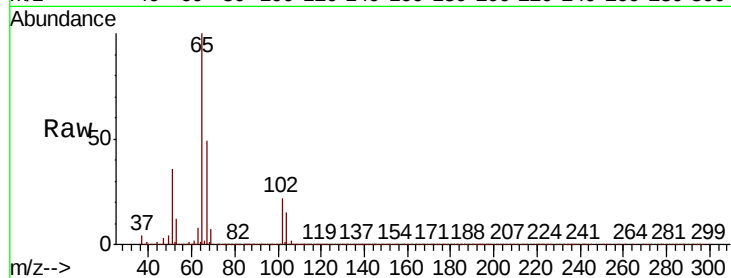
ClientSampleId :

Tot Ion: 65 Resp: 425064

Ion Ratio Lower Upper

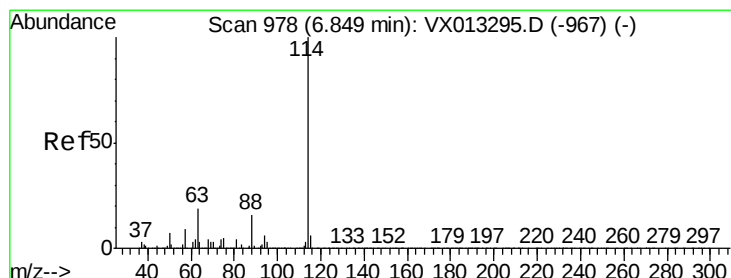
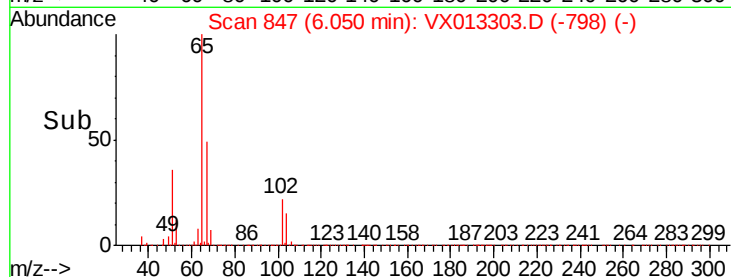
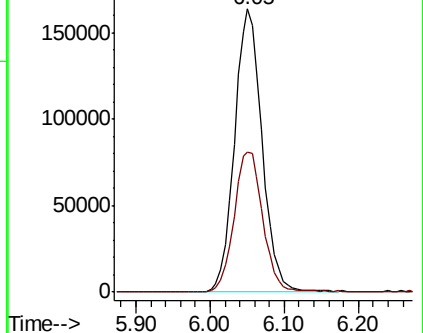
65 100

67 51.1 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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

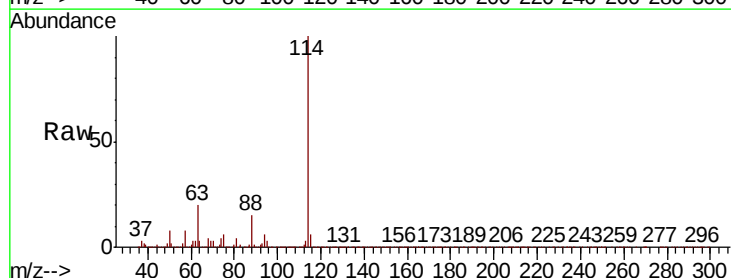
Tgt Ion: 114 Resp: 1118941

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

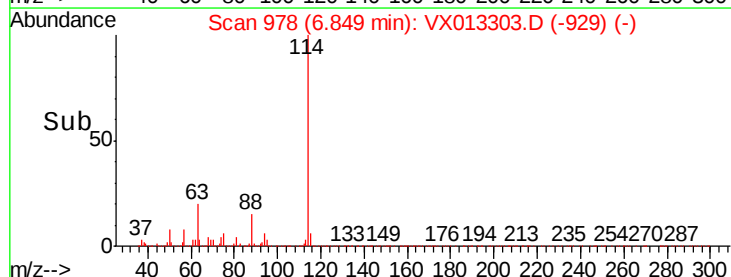
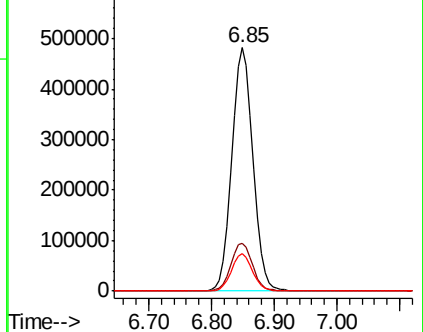
88 15.4 0.0 32.2

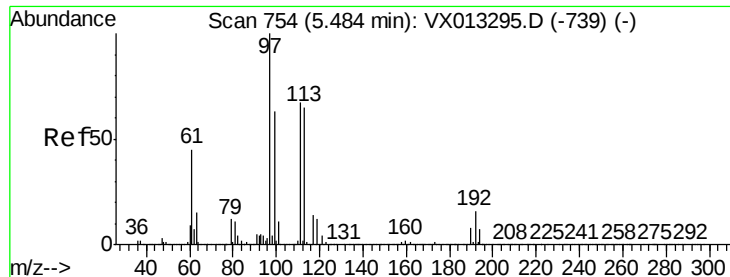


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

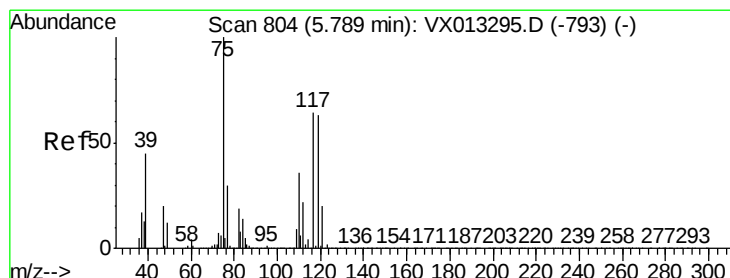
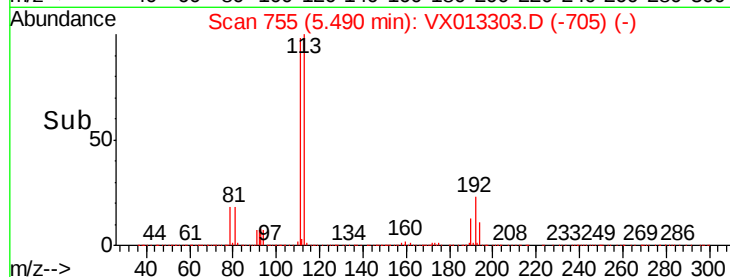
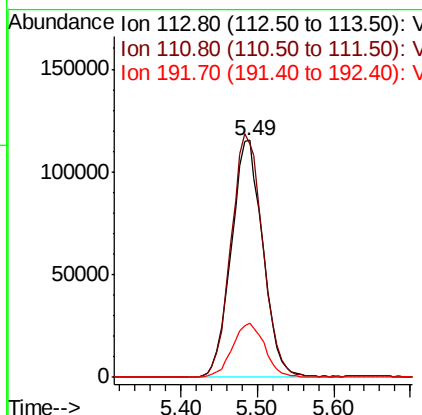
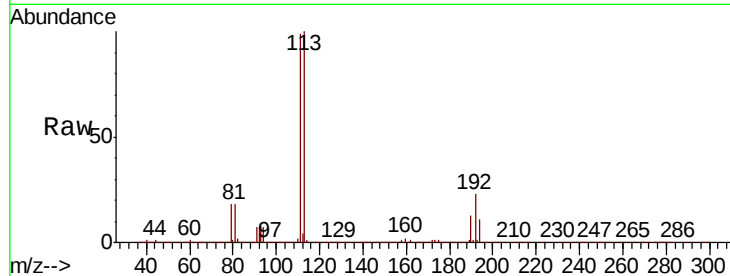




#35
 Dibromofluoromethane
 Concen: 47.212 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013303.D
 Acq: 01 Nov 2019 12:00

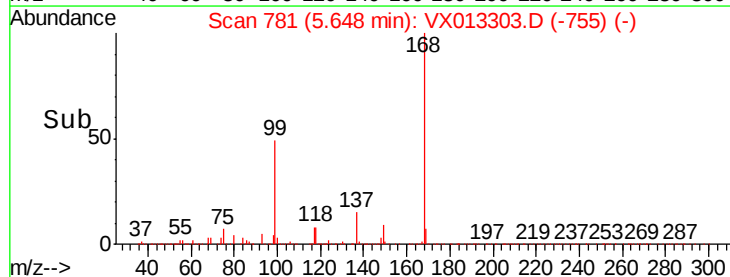
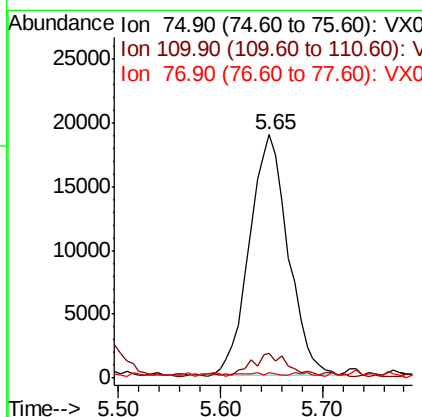
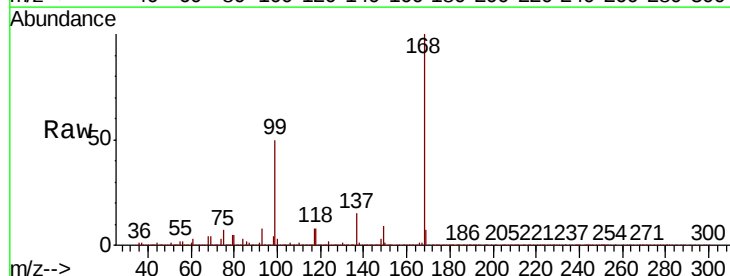
Instrument :
 MSVOA_X
 ClientSampleId :

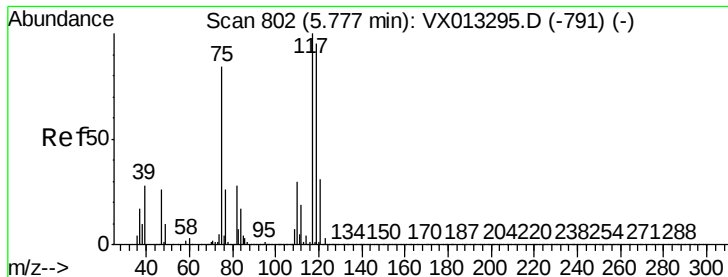
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	23.2	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 5.213 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013303.D
 Acq: 01 Nov 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.9	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

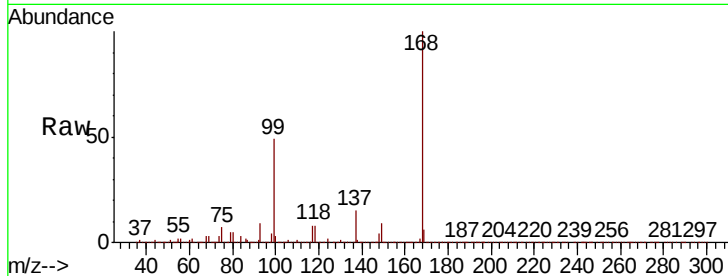
Tot Ion:117 Resp: 63832

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

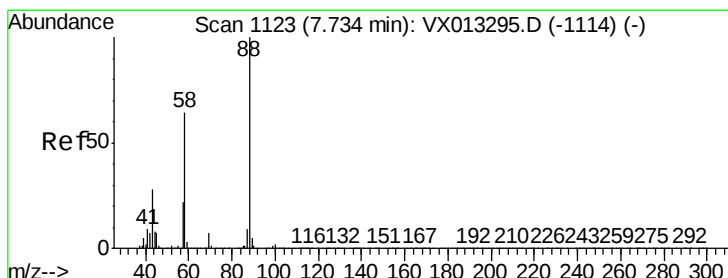
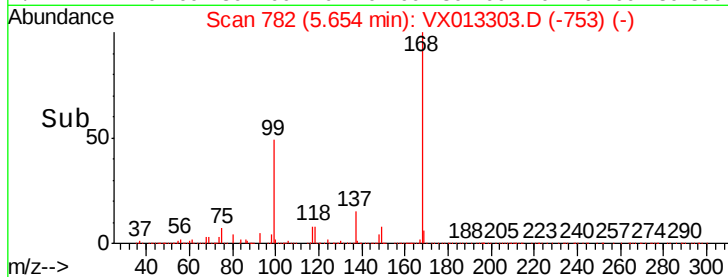
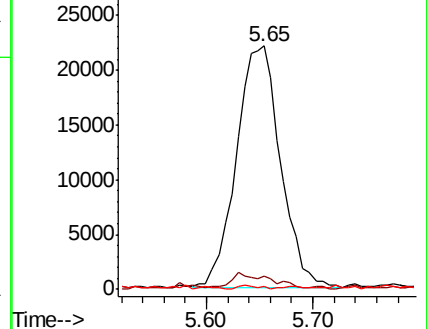
121 1.5 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 3.907 ug/l

RT: 7.71 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

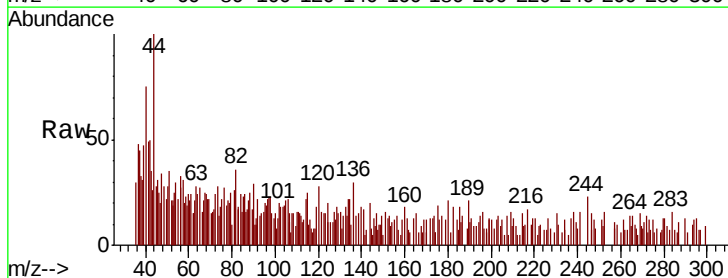
Tgt Ion: 88 Resp: 825

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

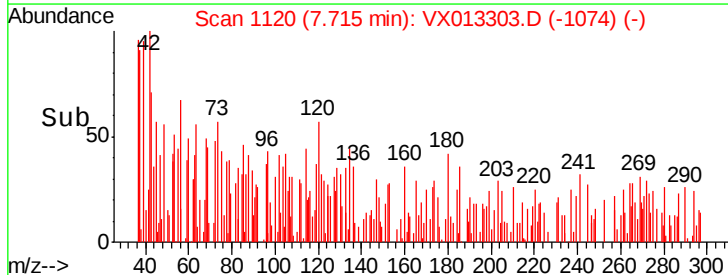
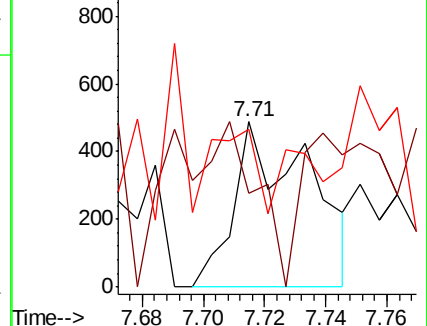
58 0.0 55.0 82.6#

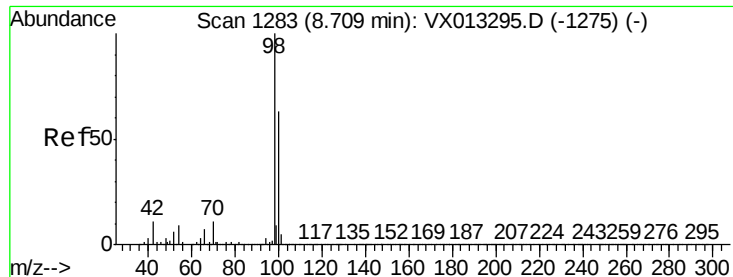


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.581 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

Instrument :

MSVOA_X

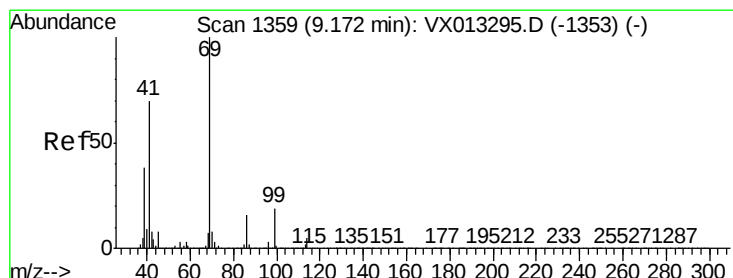
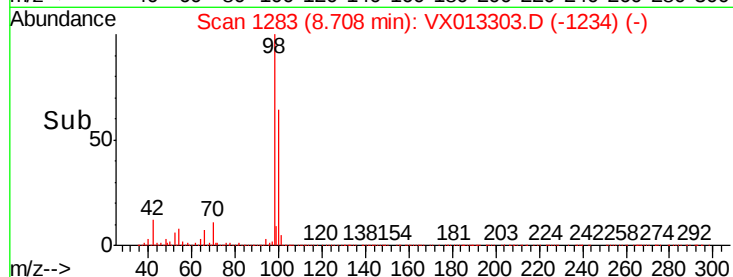
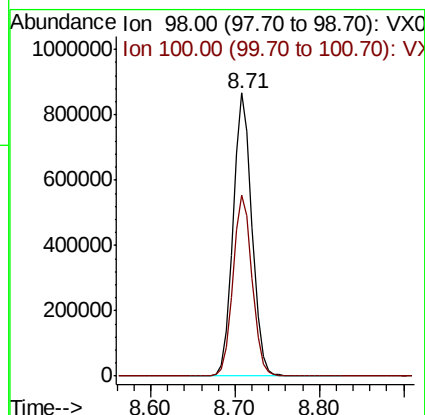
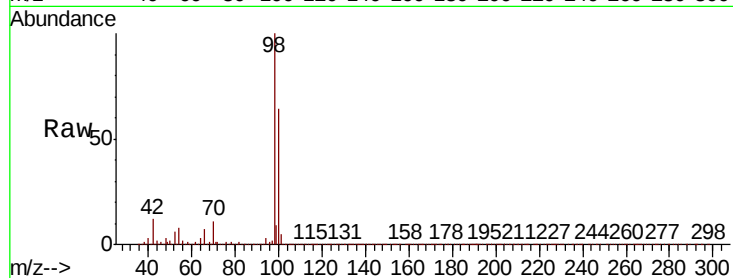
ClientSampleId :

Tot Ion: 98 Resp: 1311804

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.594 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

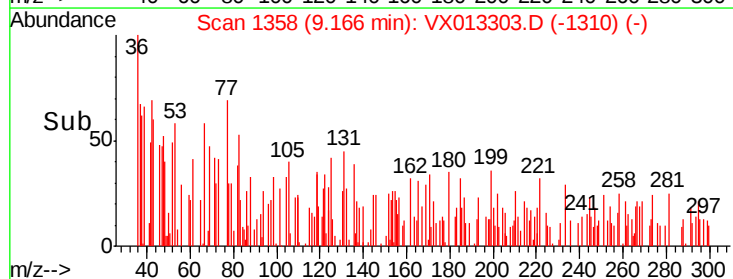
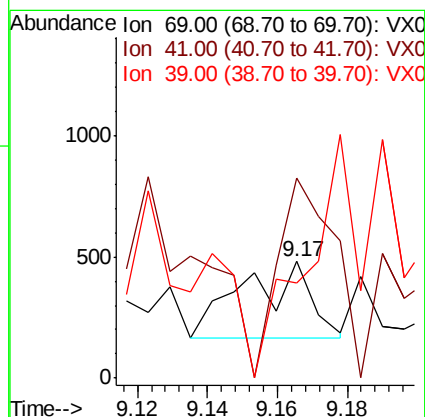
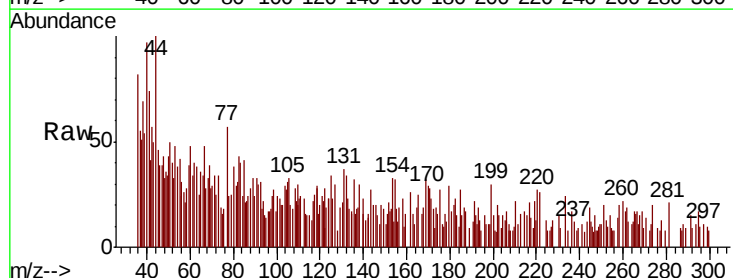
Tgt Ion: 69 Resp: 423

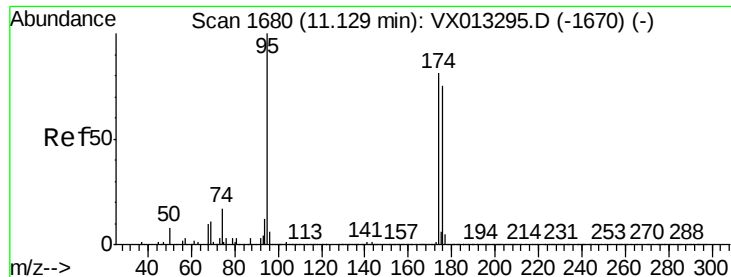
Ion Ratio Lower Upper

69 100

41 218.7 56.2 84.2#

39 229.1 31.1 46.7#

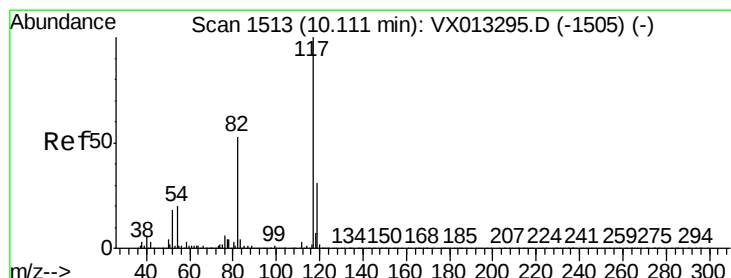
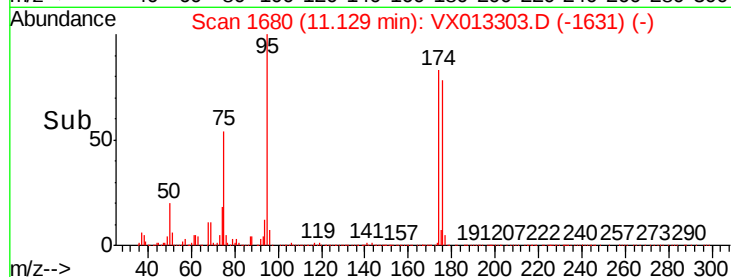
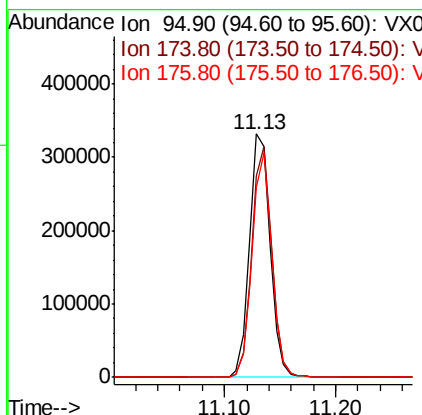
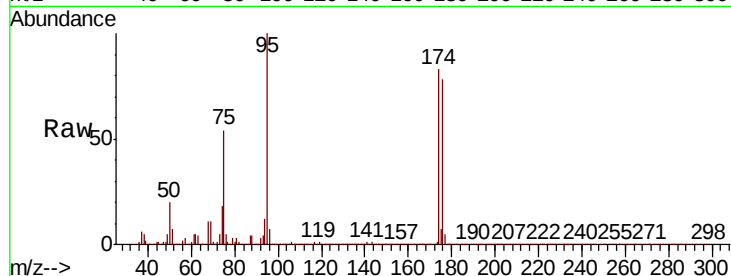




#62
4-Bromofluorobenzene
Concen: 44.963 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

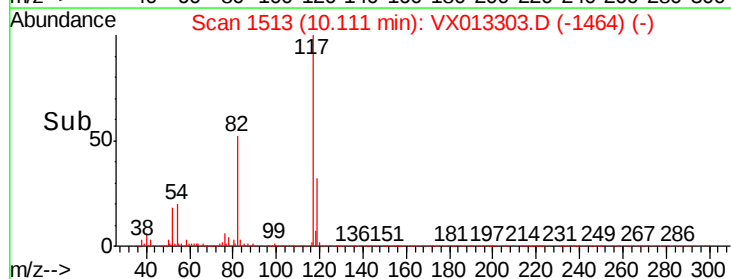
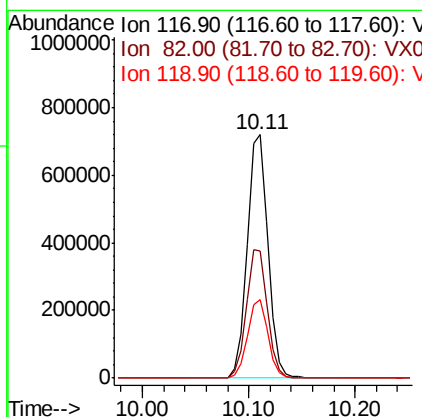
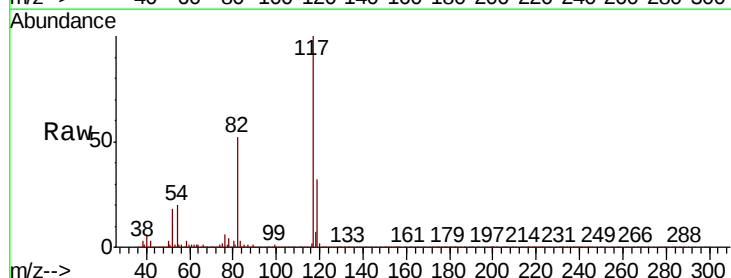
Instrument :
MSVOA_X
ClientSampled :

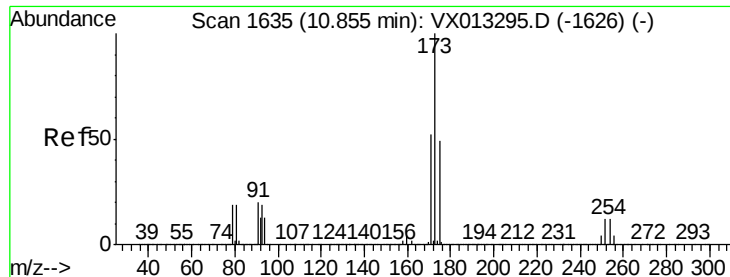
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	179.8
176	88.0	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.0	24.8	37.2

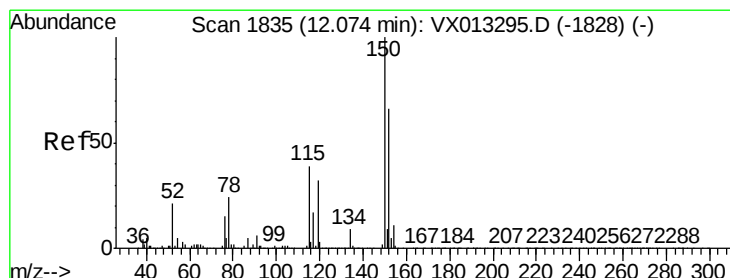
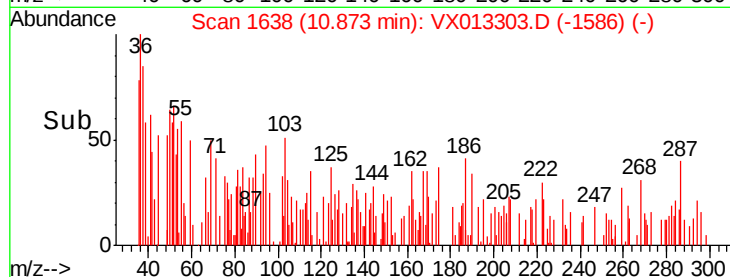
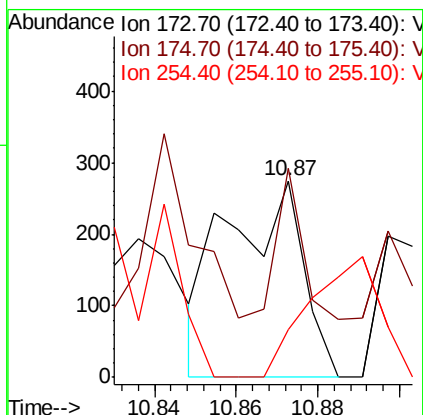
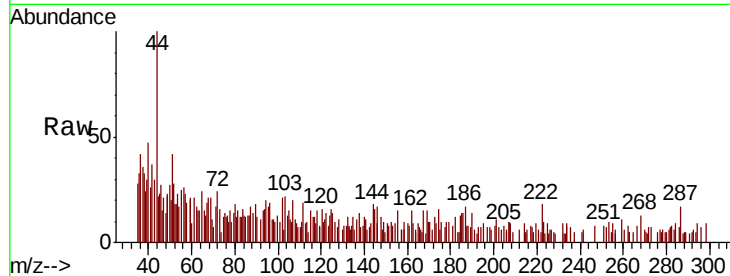




#71
Bromoform
Concen: 3.252 ug/l
RT: 10.87 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

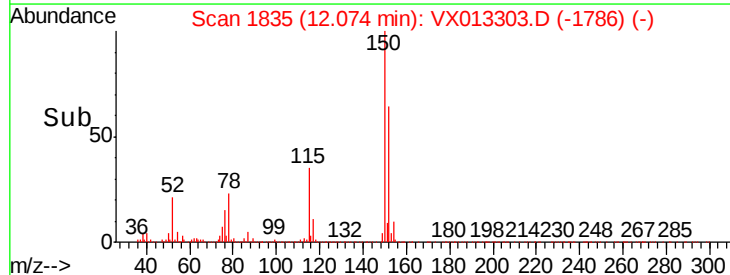
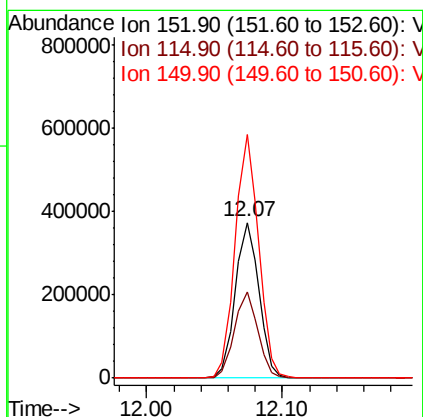
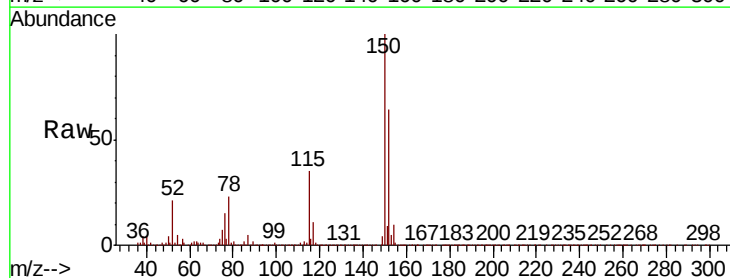
Instrument :
MSVOA_X
ClientSampleId :

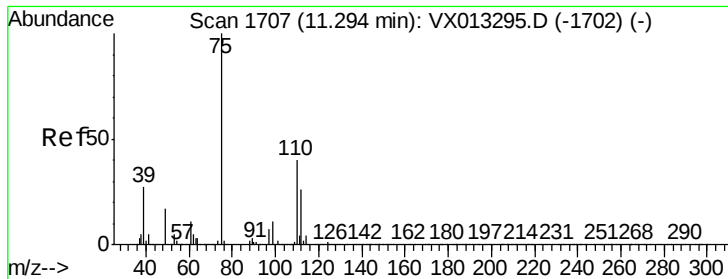
Tot Ion:173 Resp: 356
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013303.D
Acq: 01 Nov 2019 12:00

Tgt Ion:152 Resp: 450661
Ion Ratio Lower Upper
152 100
115 54.8 39.5 118.3
150 155.9 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.118 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.17 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

Instrument :

MSVOA_X

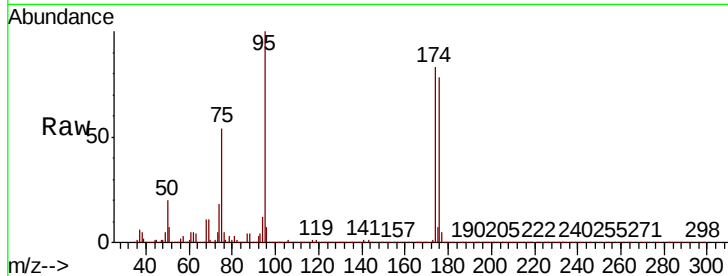
ClientSampleId :

Tot Ion: 75 Resp: 220761

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

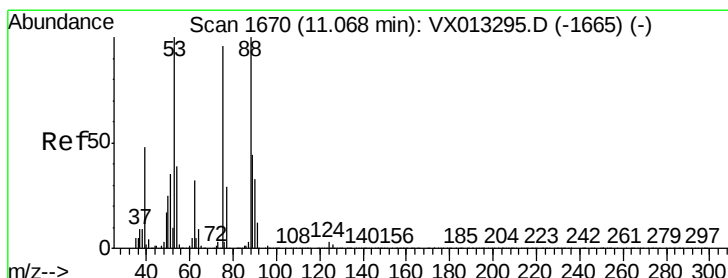
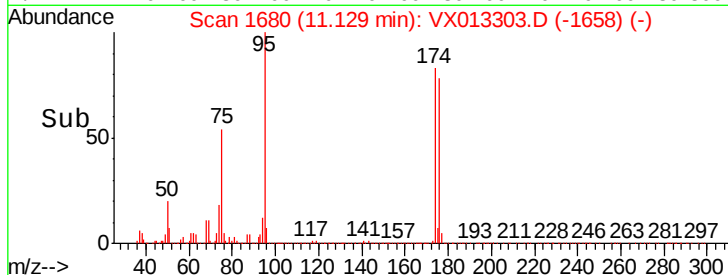
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 62.078 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013303.D

Acq: 01 Nov 2019 12:00

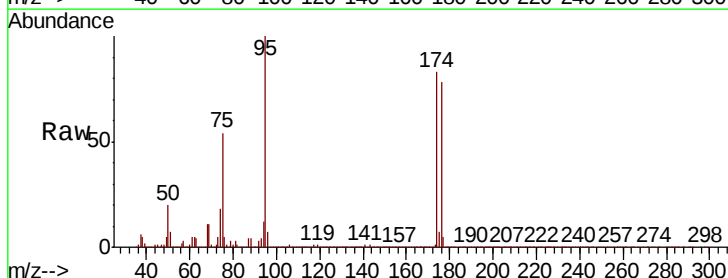
Tgt Ion: 75 Resp: 220761

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.3 36.0 54.0#



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

250000

200000

150000

100000

50000

0

Time--> 11.00 11.10 11.20

