

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013390.D
 Acq On : 12 Nov 2019 17:15
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 02:42:40 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	786461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1239692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1117170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	515111	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	448001	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.48	113	373917	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	1485052	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.13	95	503860	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

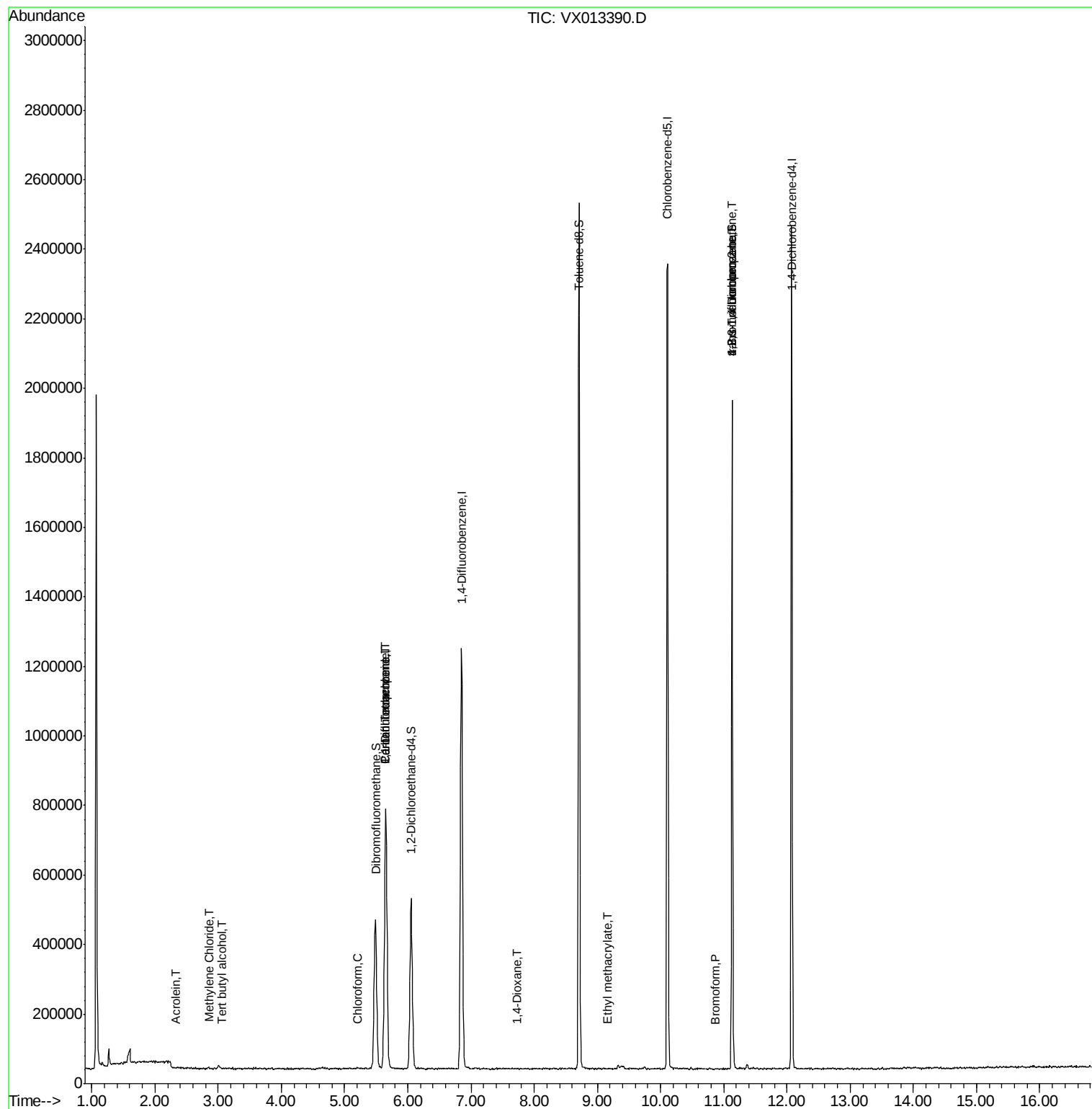
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.66	64	797	Below Cal	#	87
11) Tert butyl alcohol	3.06	59	547	0.223	ug/l #	51
13) Acrolein	2.33	56	277	0.208	ug/l	96
20) Methylene Chloride	2.85	84	3061	0.356	ug/l #	56
30) Chloroform	5.21	83	6202	0.444	ug/l	95
36) 1,1-Dichloropropene	5.65	75	49146	4.621	ug/l #	52
38) Carbon Tetrachloride	5.65	117	67512	6.492	ug/l #	16
49) 1,4-Dioxane	7.73	88	641	2.740	ug/l #	50
56) Ethyl methacrylate	9.16	69	361	1.587	ug/l #	1
71) Bromoform	10.85	173	483	3.261	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	245315	23.447	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	245315	60.352	ug/l #	9

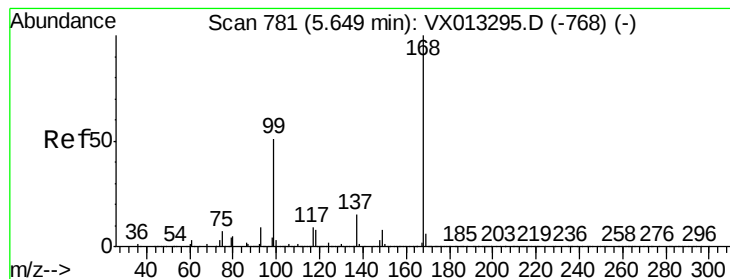
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111219\
Data File : VX013390.D
Acq On : 12 Nov 2019 17:15
Operator : JC/SP
Sample : IBLK
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 13 02:42:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013390.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_X

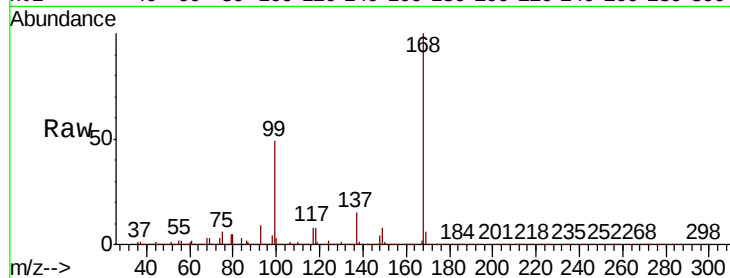
ClientSampleId :

Tot Ion:168 Resp: 786461

Ion Ratio Lower Upper

168 100

99 49.1 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

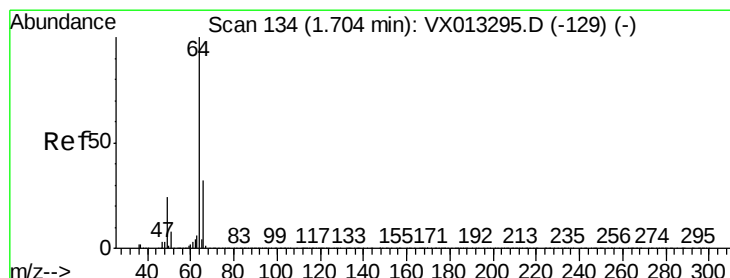
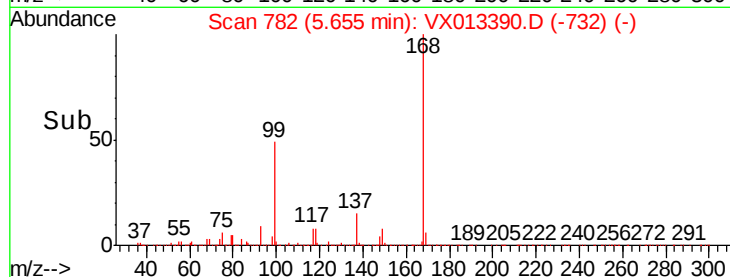
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX013390.D

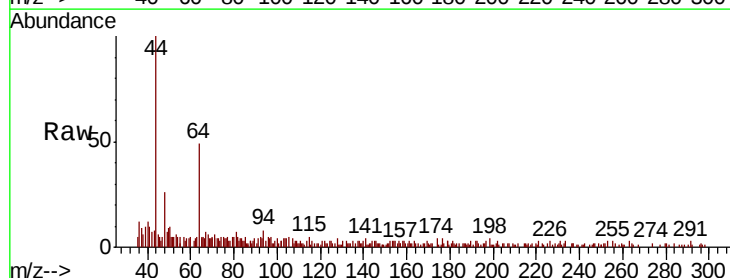
Acq: 12 Nov 2019 17:15

Tgt Ion: 64 Resp: 797

Ion Ratio Lower Upper

64 100

66 24.8 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

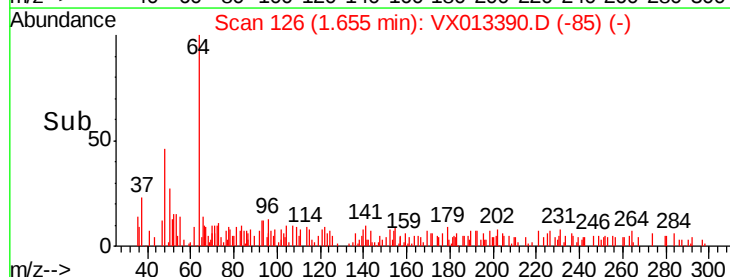
3000

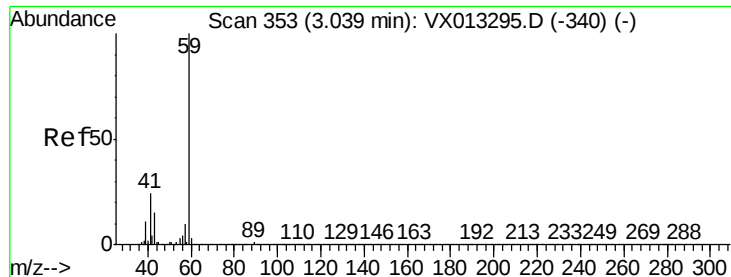
2000

1000

0

Time-->

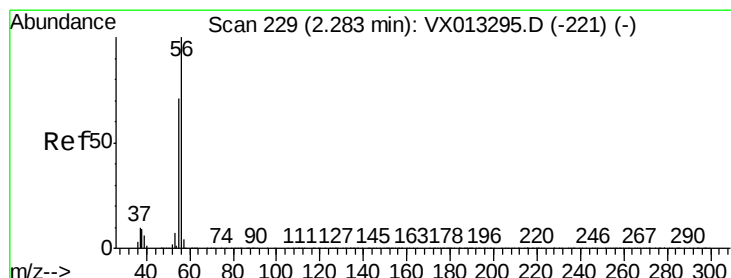
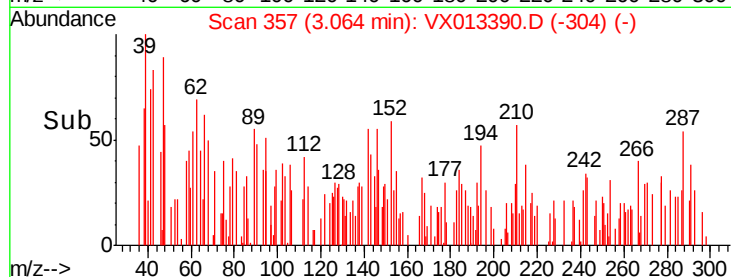
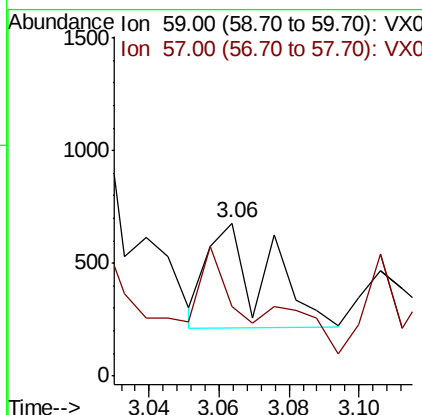
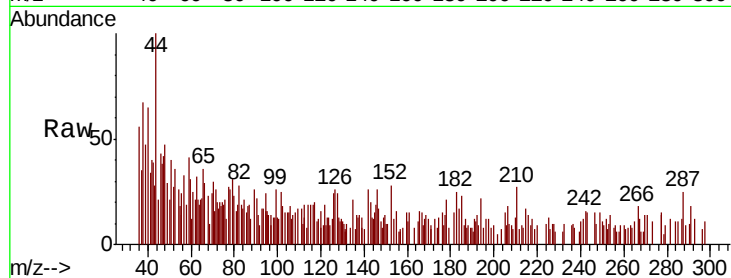




#11
Tert butyl alcohol
Concen: 0.223 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

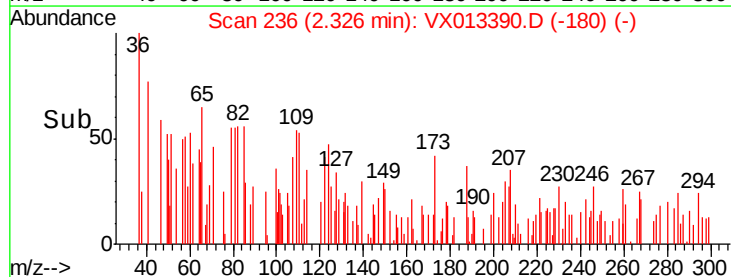
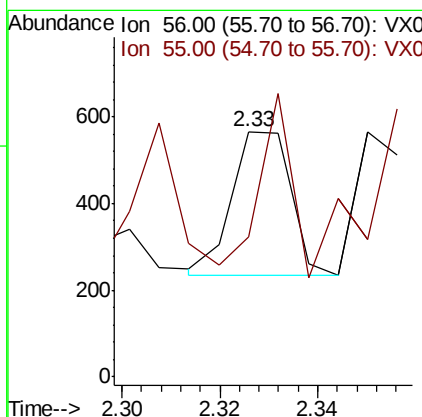
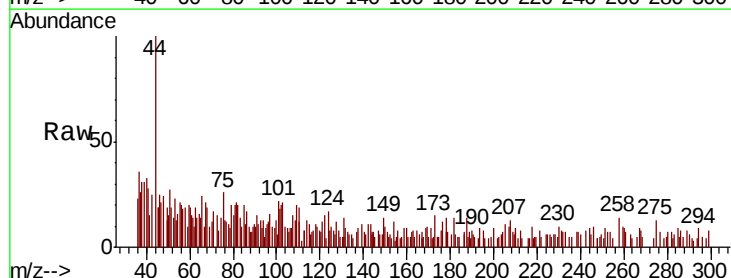
Instrument :
MSVOA_X
ClientSampled :

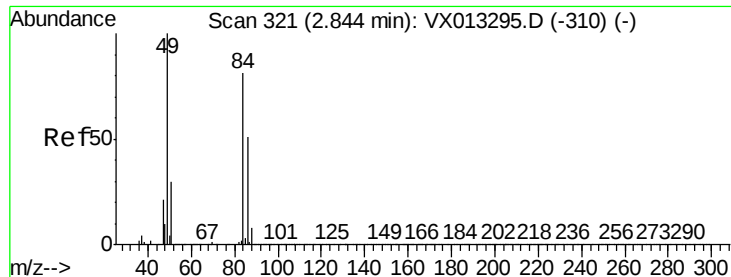
Tot Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 28.2 8.0 12.0#



#13
Acrolein
Concen: 0.208 ug/l
RT: 2.33 min Scan# 236
Delta R.T. 0.04 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 68.2 57.4 86.0

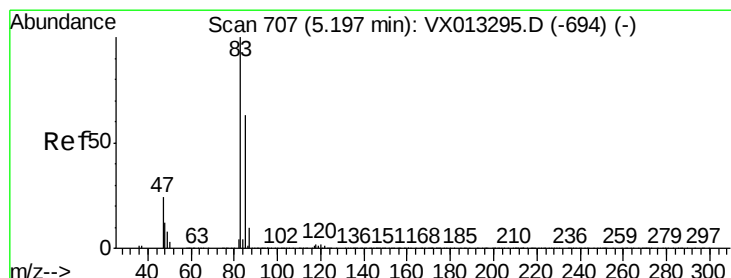
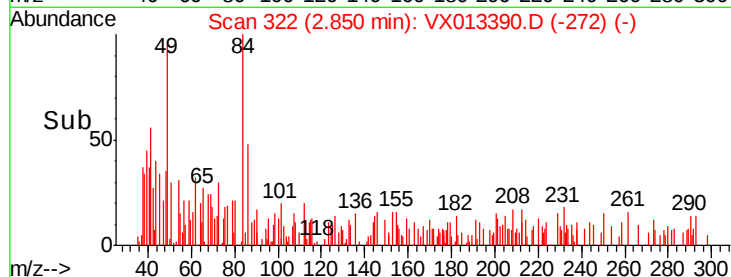
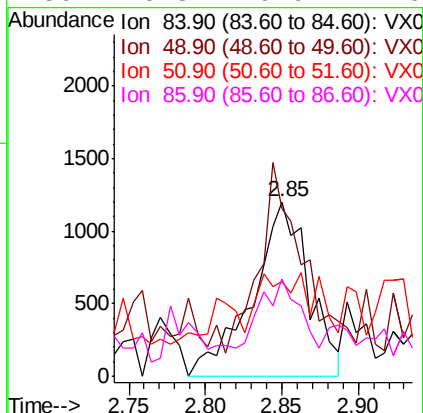
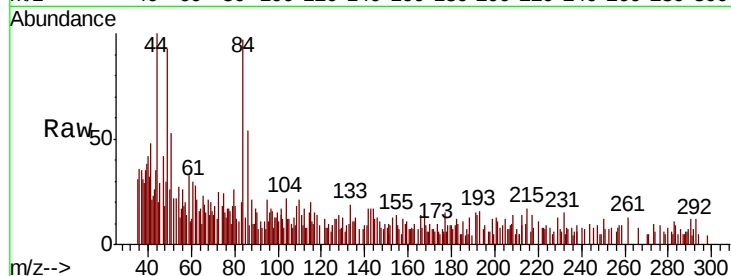




#20
Methvlene Chloride
Concen: 0.356 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

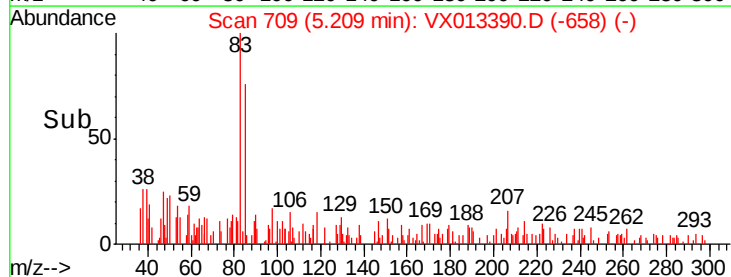
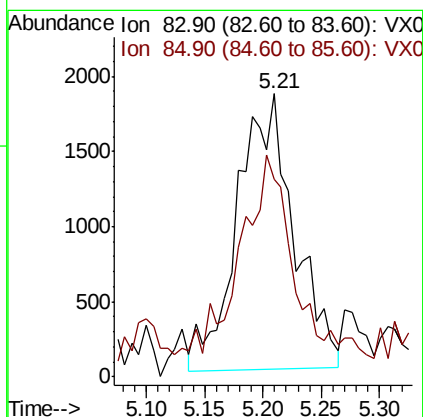
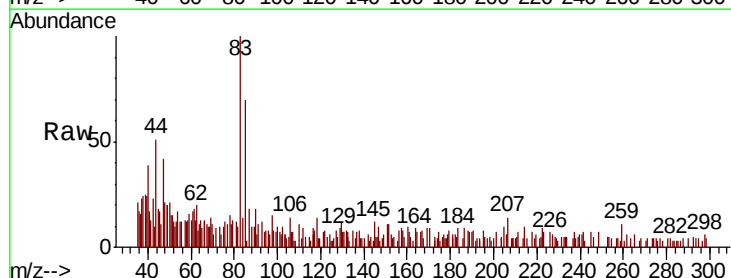
Instrument :
MSVOA_X
ClientSampleId :

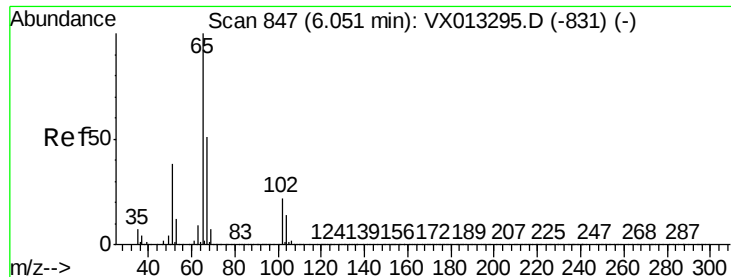
Tot Ion: 84 Resp: 3061
Ion Ratio Lower Upper
84 100
49 64.8 98.2 147.4#
51 29.4 29.9 44.9#
86 26.8 49.9 74.9#



#30
Chloroform
Concen: 0.444 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

Tgt Ion: 83 Resp: 6202
Ion Ratio Lower Upper
83 100
85 66.9 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 48.083 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_X

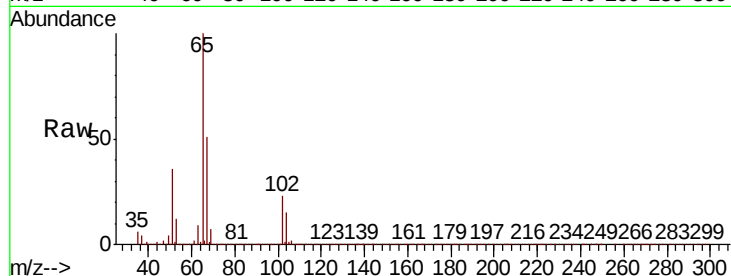
ClientSampleId :

Tot Ion: 65 Resp: 448001

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

200000

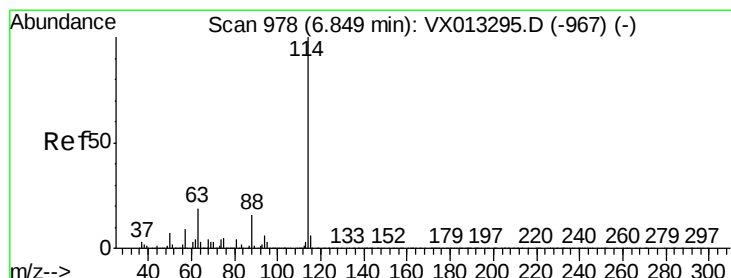
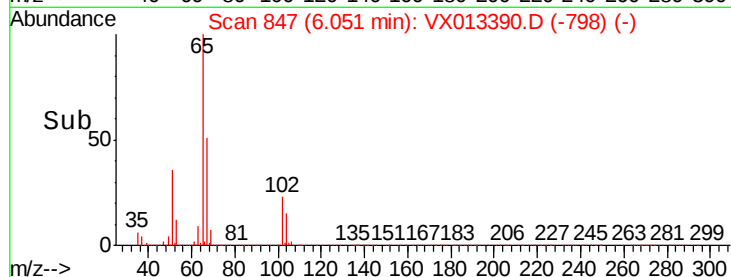
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

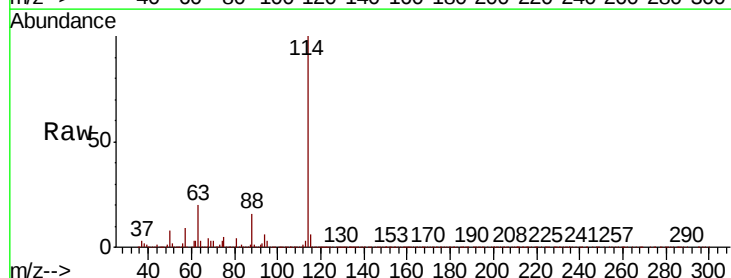
Tgt Ion: 114 Resp: 1239692

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

88 15.8 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

6.85

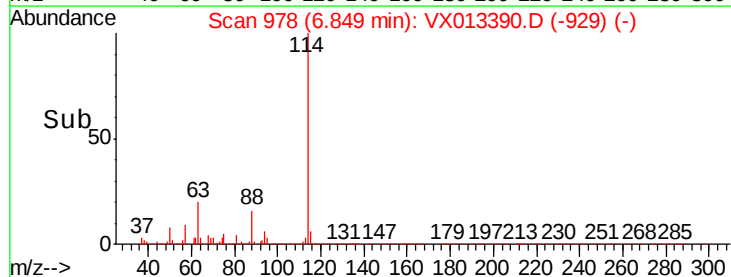
600000

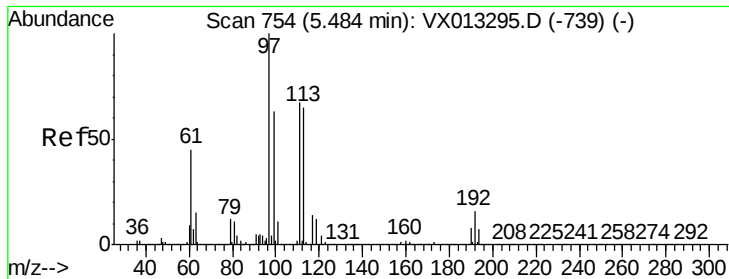
400000

200000

0

Time--> 6.70 6.80 6.90 7.00 7.10

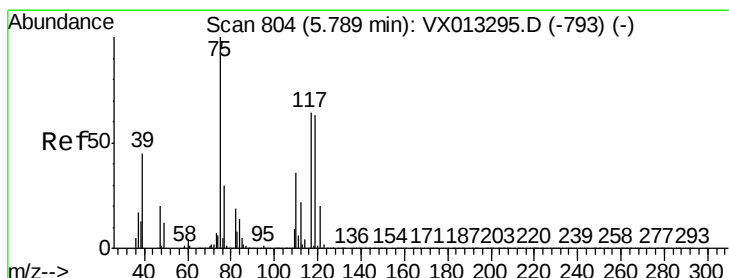
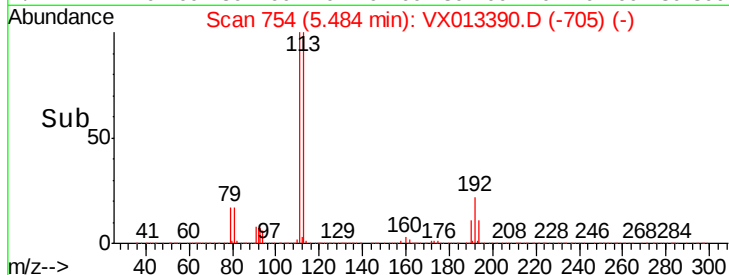
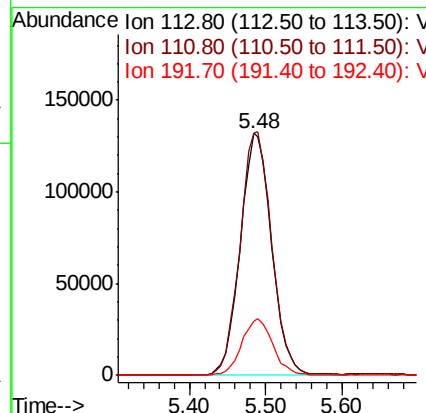
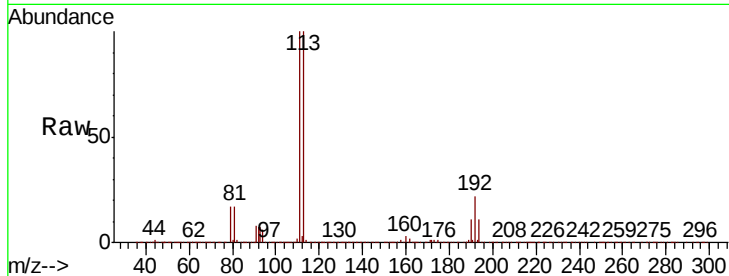




#35
 Dibromofluoromethane
 Concen: 48.089 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013390.D
 Acq: 12 Nov 2019 17:15

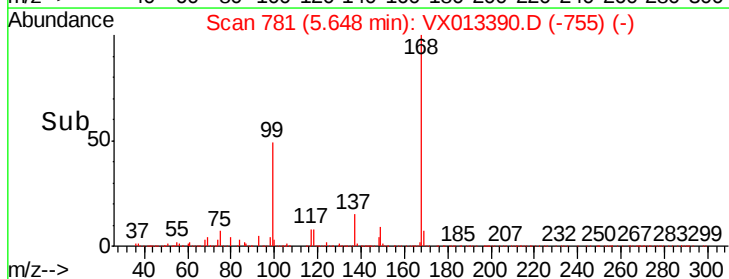
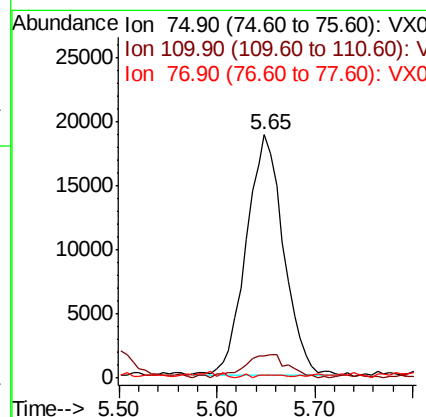
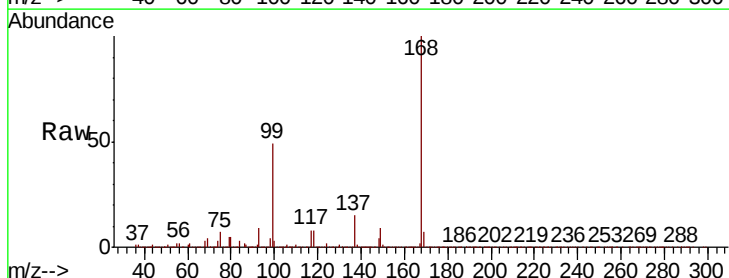
Instrument :
 MSVOA_X
 ClientSampleId :

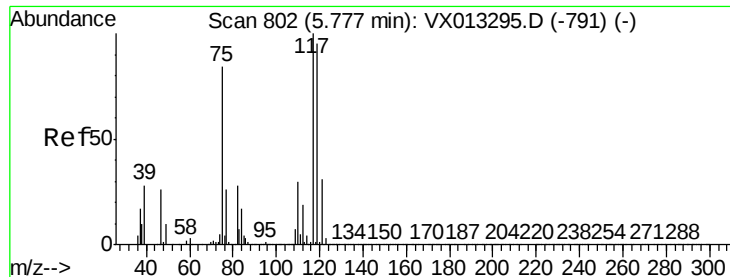
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	23.2	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.621 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013390.D
 Acq: 12 Nov 2019 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	1.2	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_X

ClientSampled :

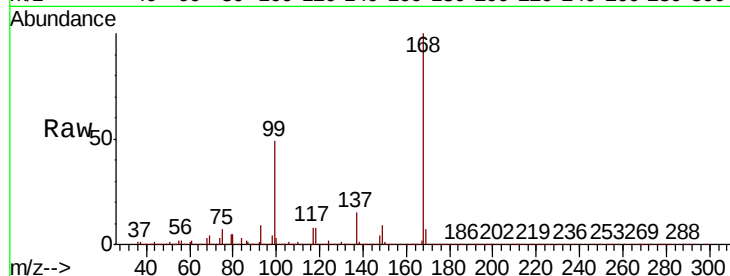
Tot Ion:117 Resp: 67512

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

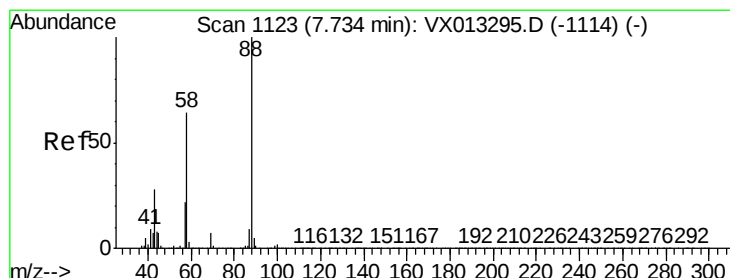
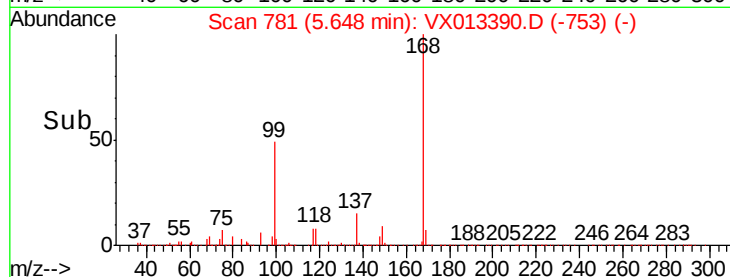
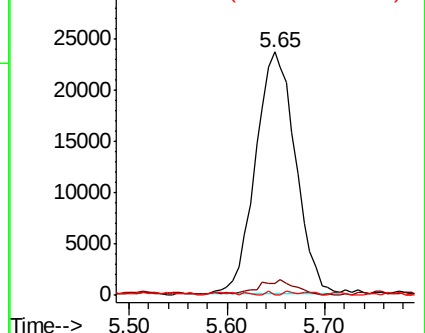
121 0.0 24.6 37.0#



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: 2.740 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

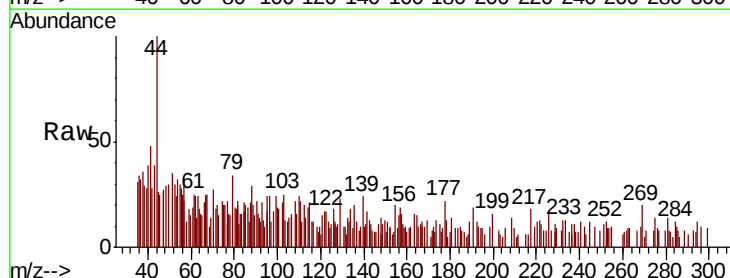
Tgt Ion: 88 Resp: 641

Ion Ratio Lower Upper

88 100

43 58.7 26.6 39.8#

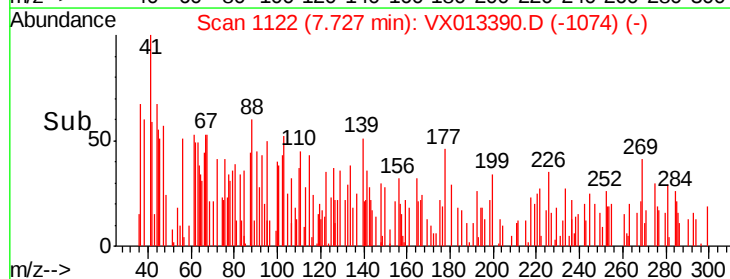
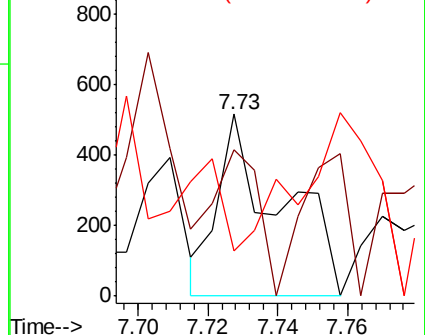
58 26.4 55.0 82.6#

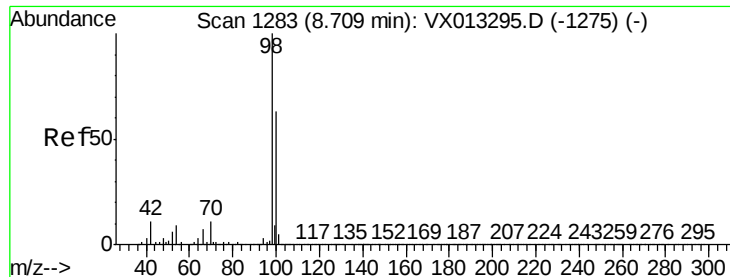


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.662 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

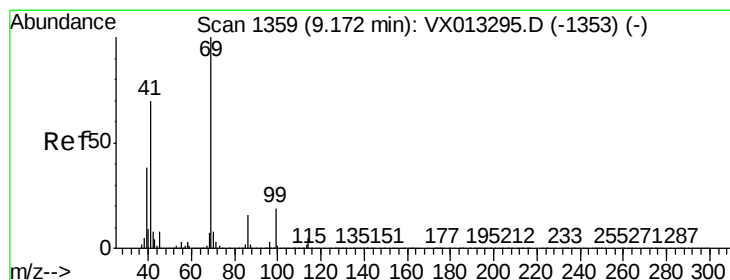
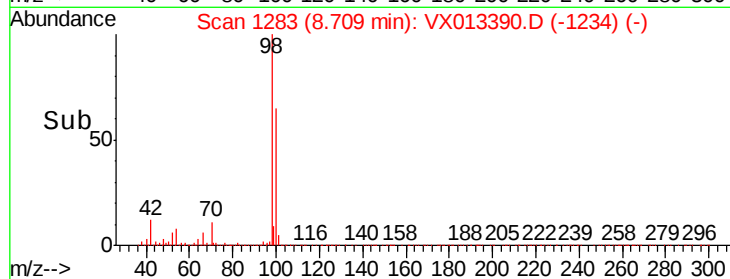
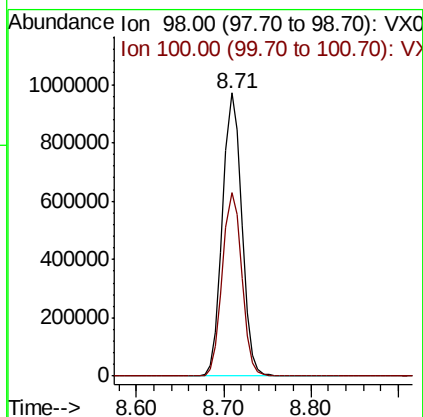
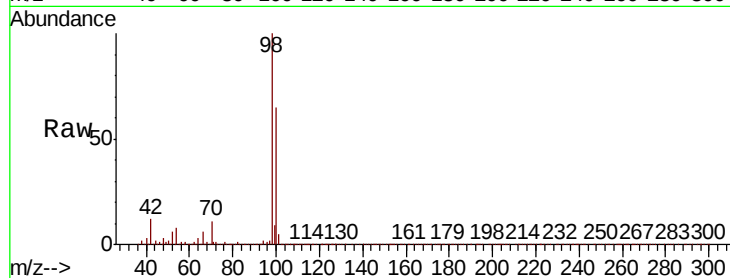
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 1485052

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.587 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

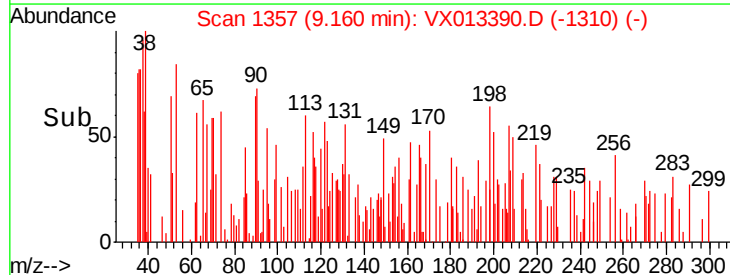
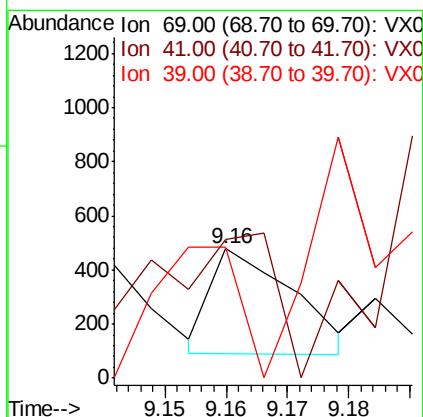
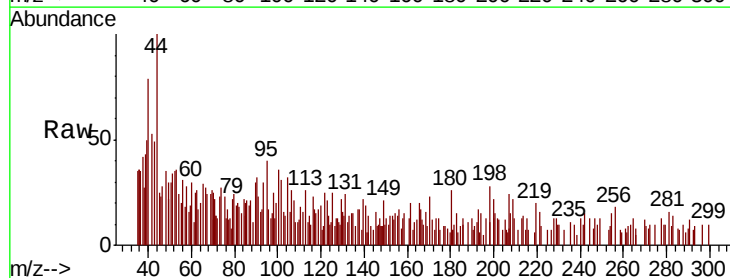
Tgt Ion: 69 Resp: 361

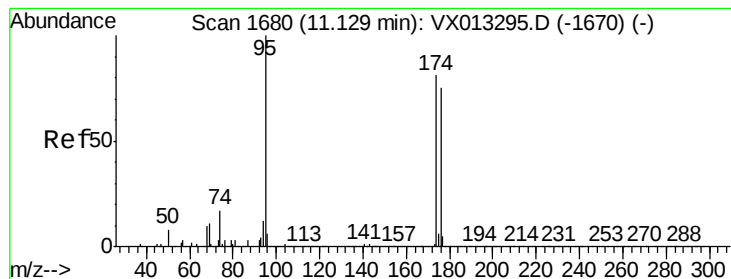
Ion Ratio Lower Upper

69 100

41 183.4 56.2 84.2#

39 98.1 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.628 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

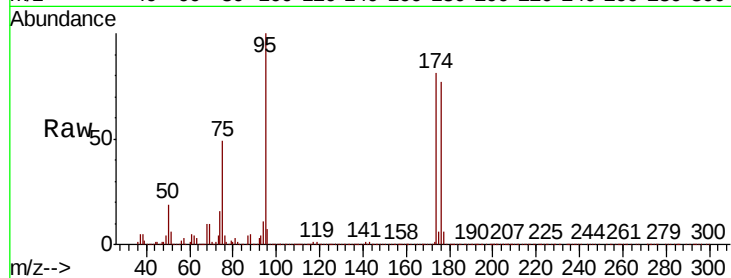
Tot Ion: 95 Resp: 503860

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.8

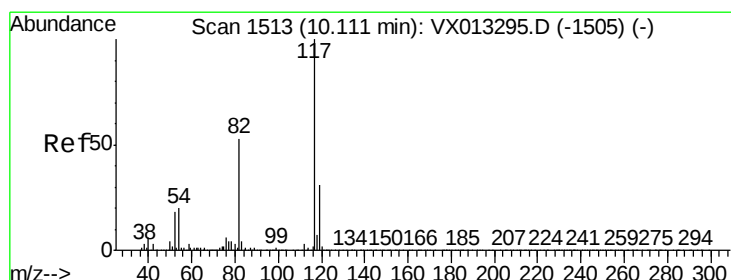
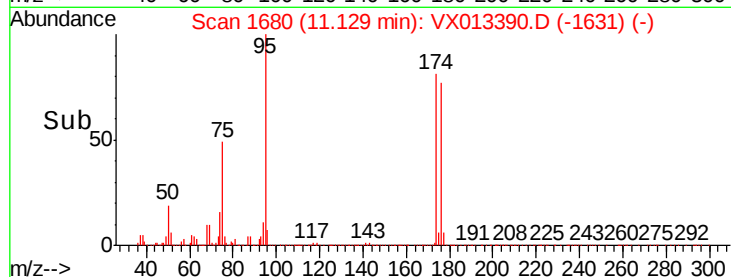
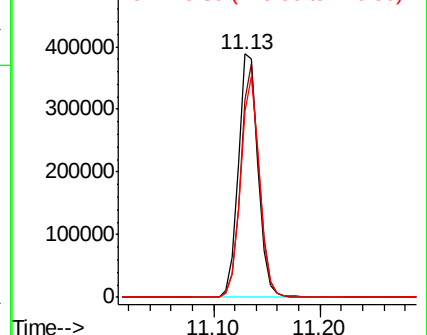
176 87.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013390.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013390.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013390.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

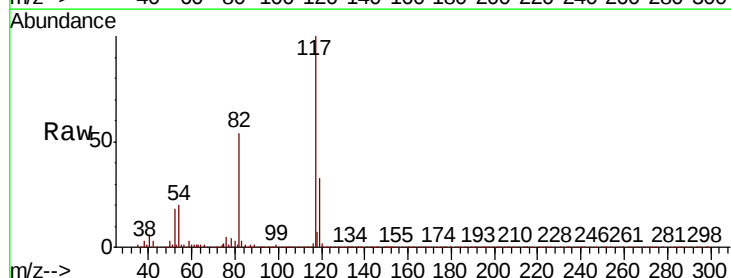
Tgt Ion: 117 Resp: 1117170

Ion Ratio Lower Upper

117 100

82 53.5 42.6 64.0

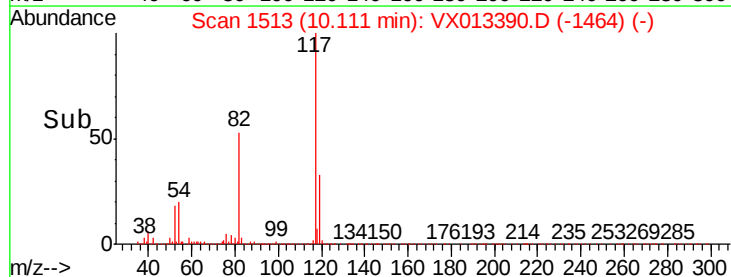
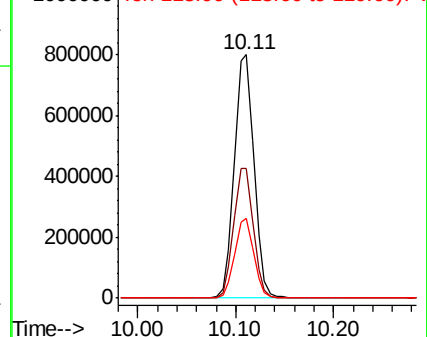
119 32.7 24.8 37.2

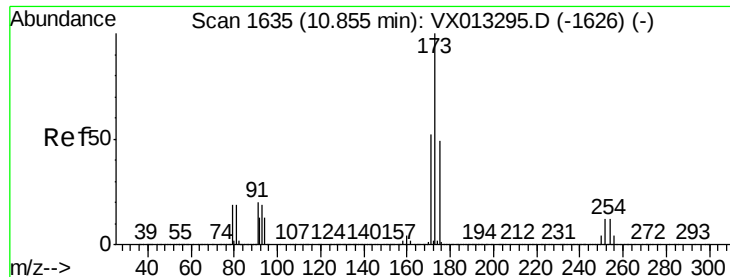


Abundance Ion 116.90 (116.60 to 117.60): VX013390.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013390.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013390.D (-1464) (-)

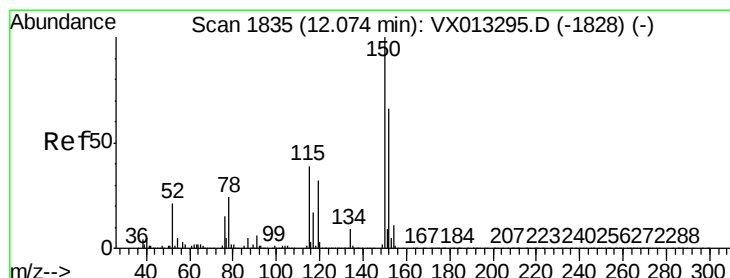
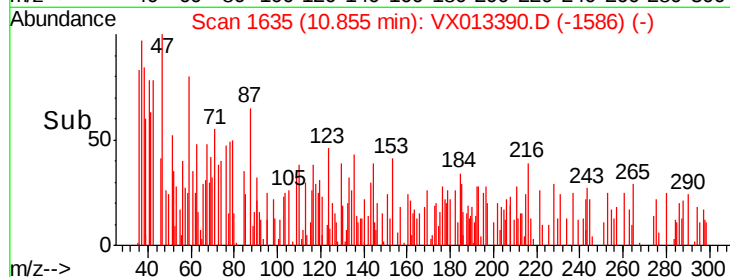
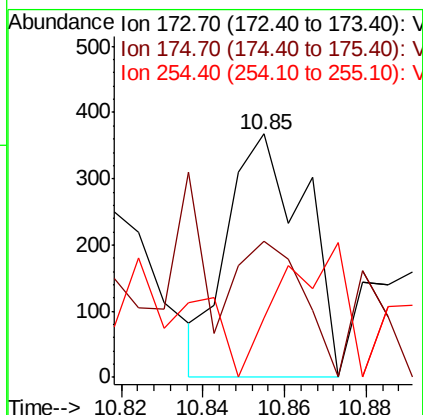
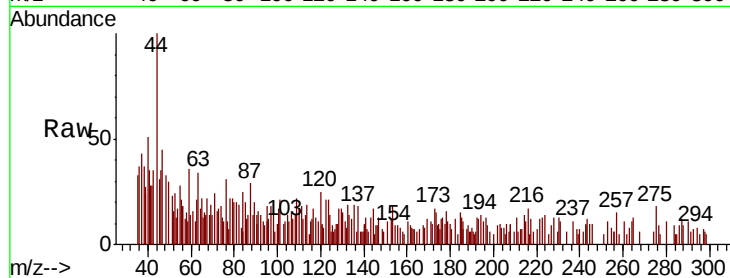




#71
Bromoform
Concen: 3.261 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

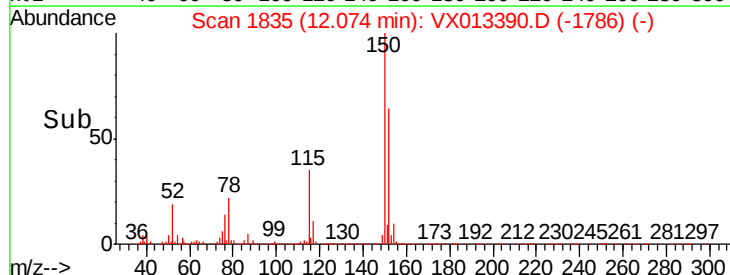
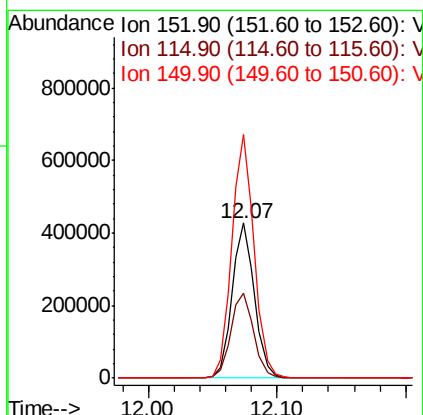
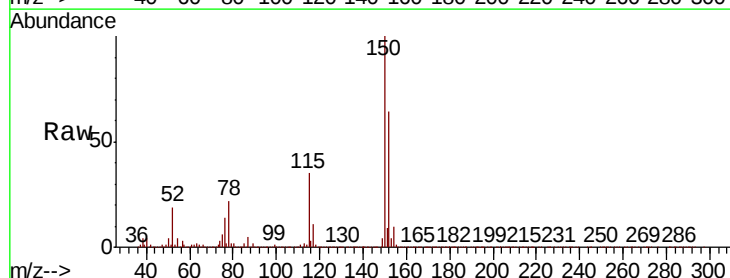
Instrument :
MSVOA_X
ClientSampled :

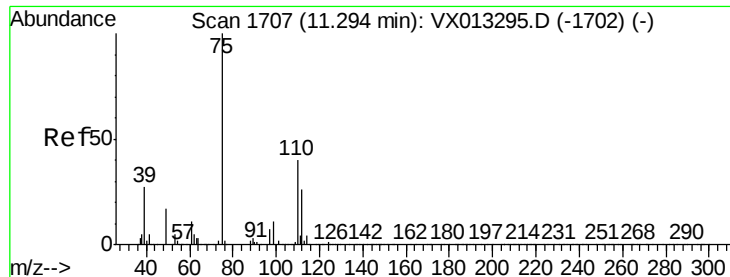
Tot Ion:173 Resp: 483
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 45.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013390.D
Acq: 12 Nov 2019 17:15

Tgt Ion:152 Resp: 515111
Ion Ratio Lower Upper
152 100
115 56.2 39.5 118.3
150 157.0 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 23.447 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_X

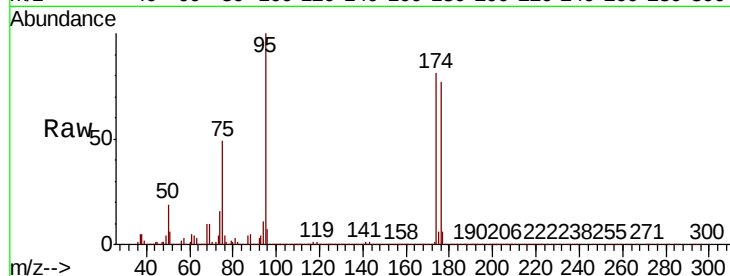
ClientSampleId :

Tot Ion: 75 Resp: 245315

Ion Ratio Lower Upper

75 100

77 1.7 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

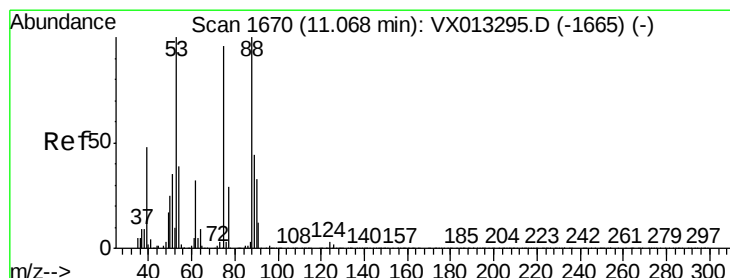
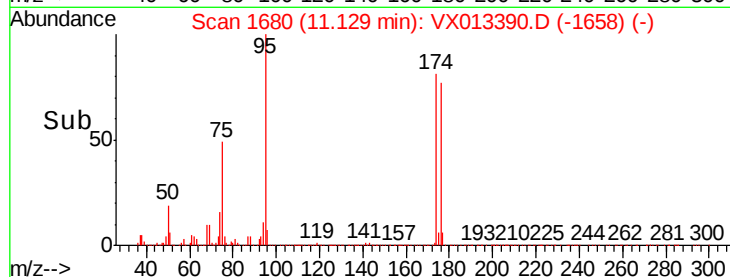
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.352 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013390.D

Acq: 12 Nov 2019 17:15

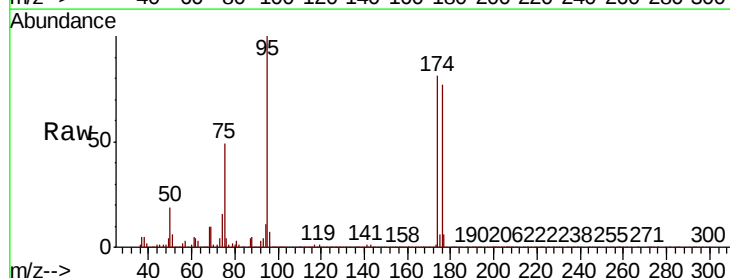
Tgt Ion: 75 Resp: 245315

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.1 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

11.13

250000

200000

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

