

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013353.D
 Acq On : 08 Nov 2019 10:36
 Operator : JC/SP
 Sample : VX1108WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBL01

Quant Time: Nov 11 02:54:25 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	801190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1235100	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1100759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	500861	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	450119	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.48	113	369200	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.71	98	1461242	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	492322	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

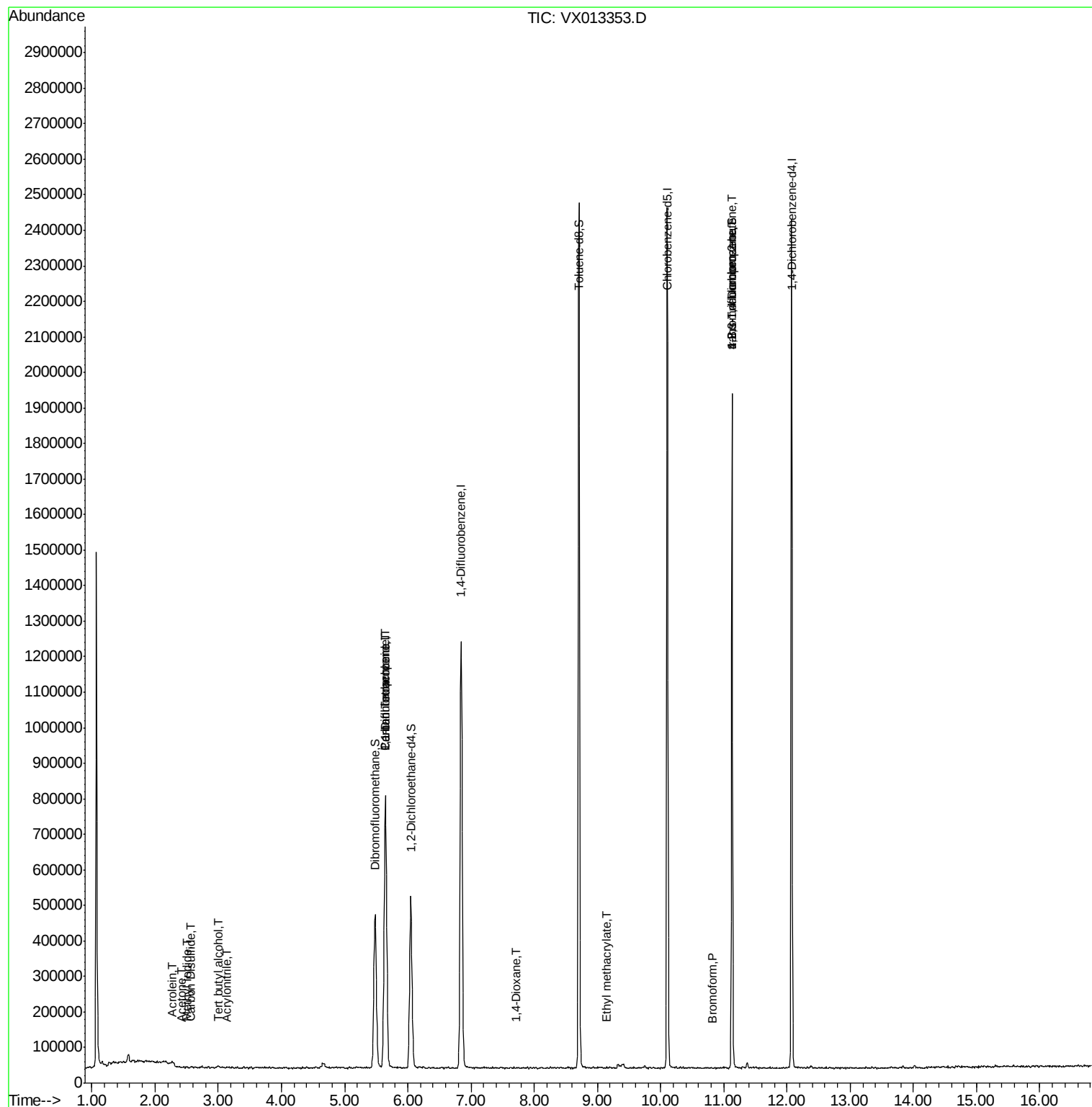
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	1927	Below Cal	#	50
10) Methyl Iodide	2.50	142	2189	0.236	ug/l #	90
11) Tert butyl alcohol	3.01	59	5971	2.387	ug/l #	86
13) Acrolein	2.27	56	751	0.554	ug/l #	1
15) Acrylonitrile	3.14	53	1679	0.359	ug/l #	68
16) Acetone	2.42	43	3267	0.690	ug/l #	84
17) Carbon Disulfide	2.57	76	5041	0.256	ug/l	95
36) 1,1-Dichloropropene	5.65	75	54163	5.112	ug/l #	51
38) Carbon Tetrachloride	5.65	117	68956	6.655	ug/l #	17
49) 1,4-Dioxane	7.72	88	743	3.188	ug/l #	20
56) Ethyl methacrylate	9.15	69	623	1.605	ug/l #	1
71) Bromoform	10.82	173	148	3.221	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	243886	23.974	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	243886	61.707	ug/l #	9

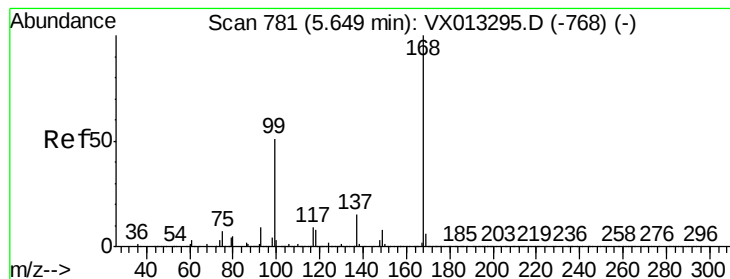
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

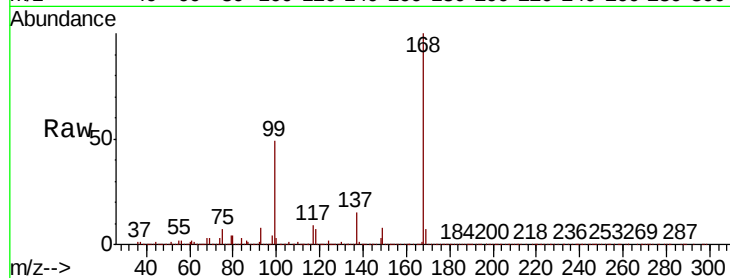
VX1108WBL01

Tot Ion:168 Resp: 801190

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

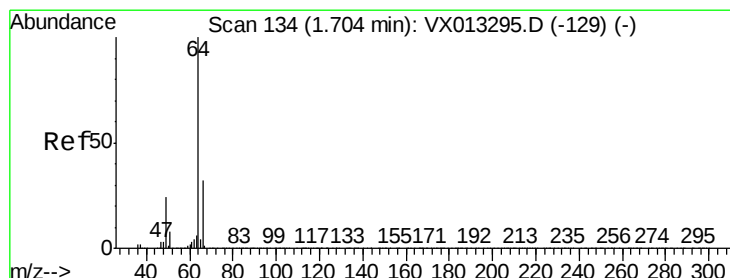
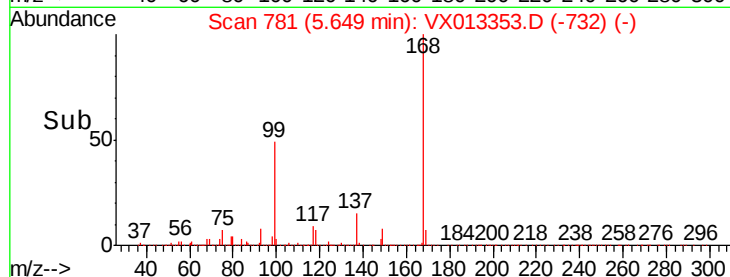
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013353.D

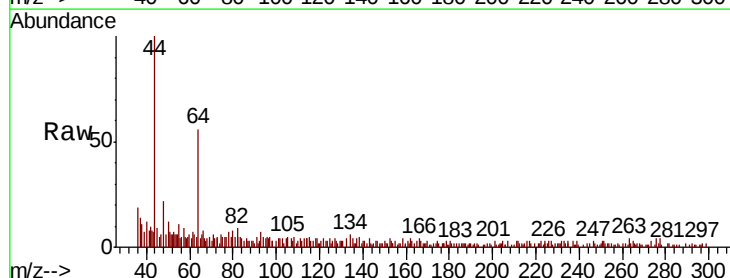
Acq: 08 Nov 2019 10:36

Tgt Ion: 64 Resp: 1927

Ion Ratio Lower Upper

64 100

66 3.9 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

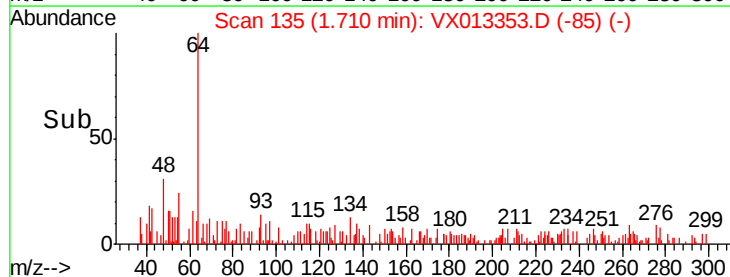
3000

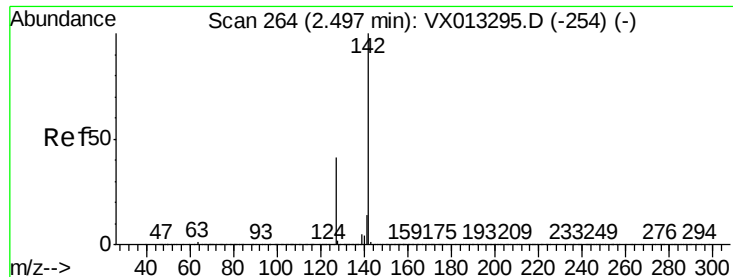
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1000

0

Time-->

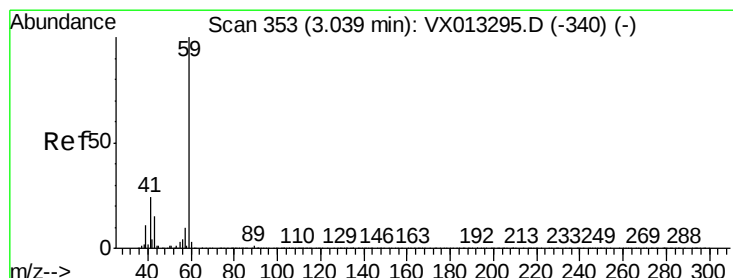
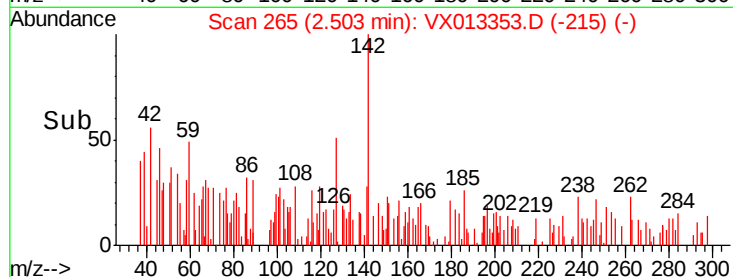
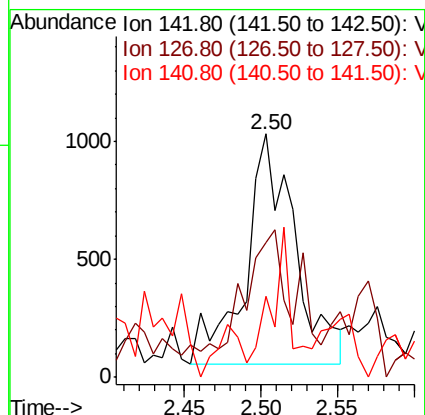
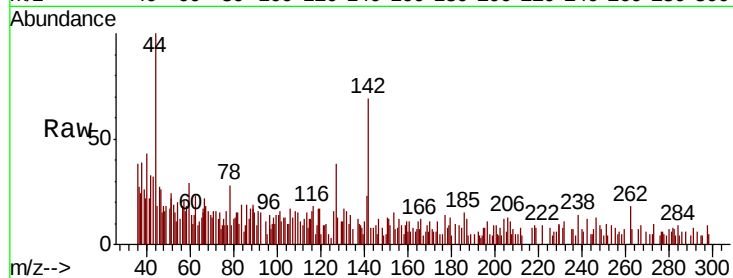




#10
Methyl Iodide
Concen: 0.236 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

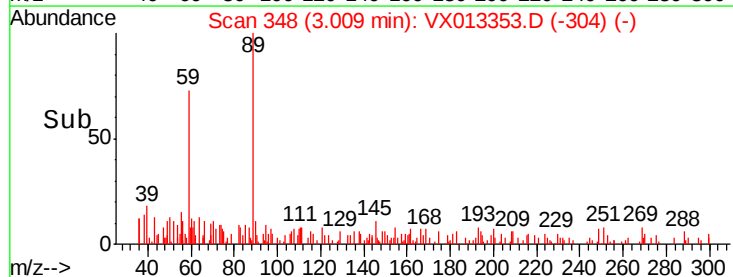
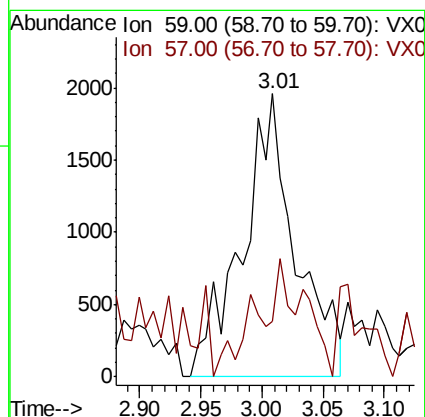
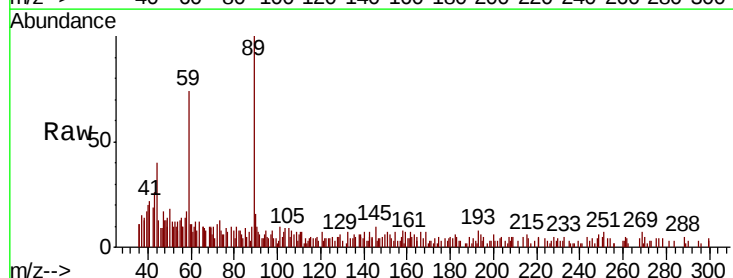
Instrument :
MSVOA_X
ClientSampled :
VX1108WBL01

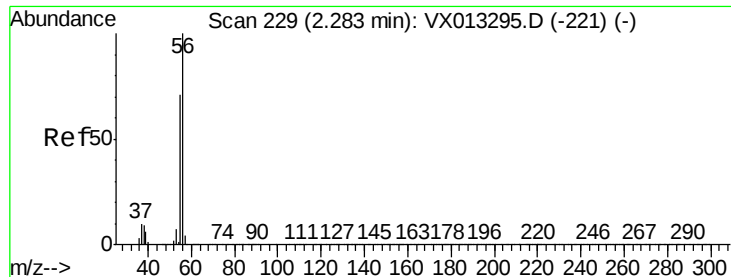
Tot Ion:142 Resp: 2189
Ion Ratio Lower Upper
142 100
127 35.7 32.6 49.0
141 20.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.387 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

Tgt Ion: 59 Resp: 5971
Ion Ratio Lower Upper
59 100
57 4.8 8.0 12.0#





#13

Acrolein

Concen: 0.554 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

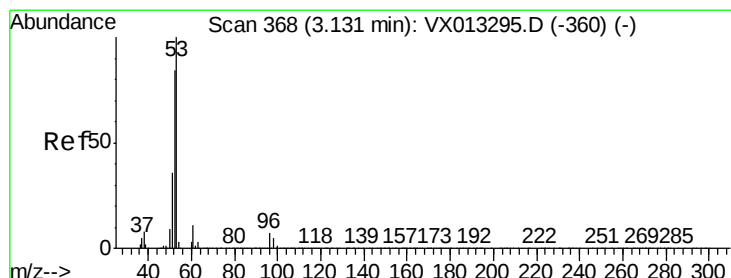
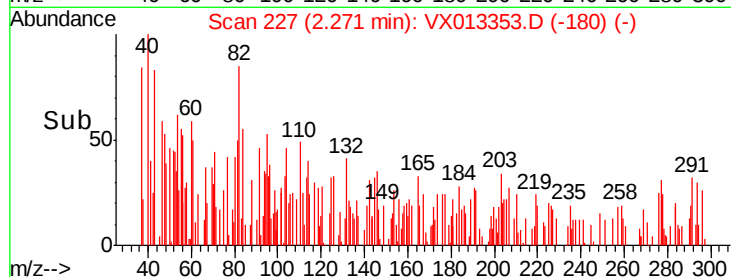
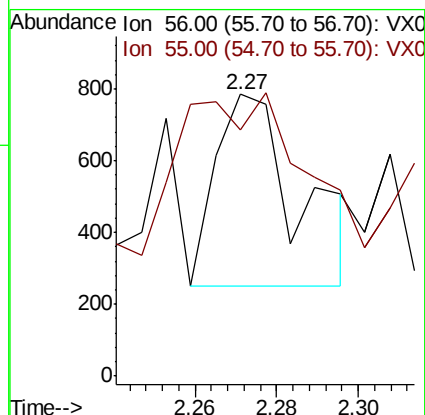
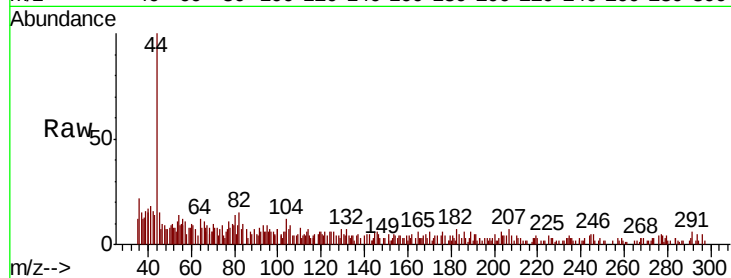
VX1108WBL01

Tot Ion: 56 Resp: 751

Ion Ratio Lower Upper

56 100

55 335.4 57.4 86.0#



#15

Acrylonitrile

Concen: 0.359 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

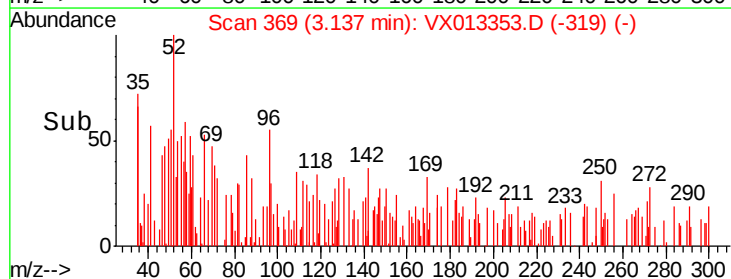
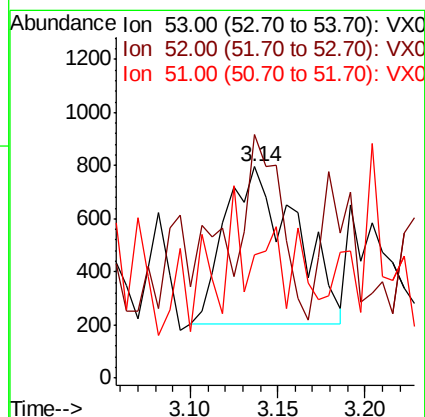
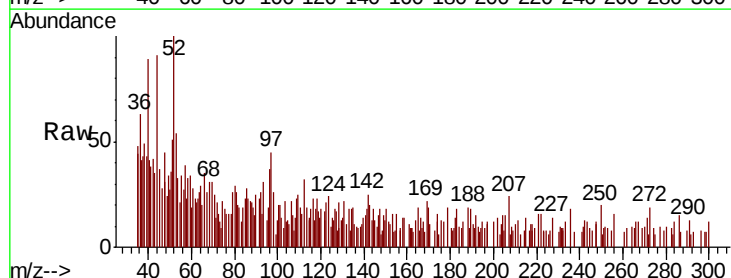
Tgt Ion: 53 Resp: 1679

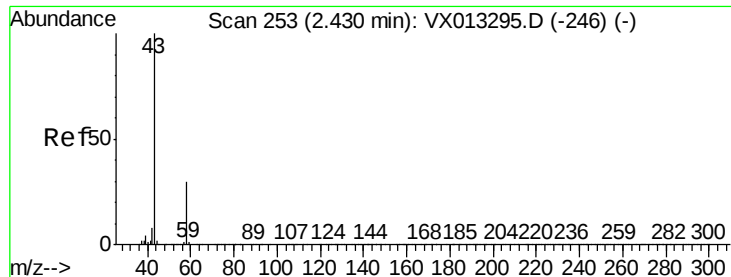
Ion Ratio Lower Upper

53 100

52 56.0 67.4 101.0#

51 17.3 29.4 44.2#

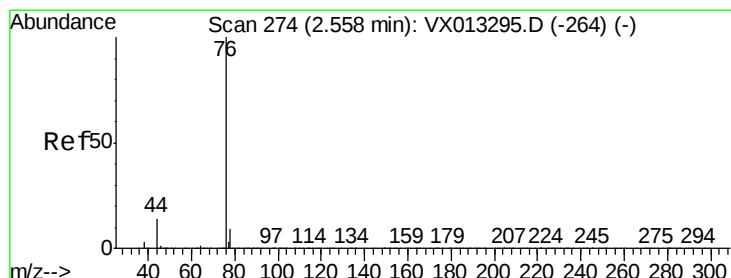
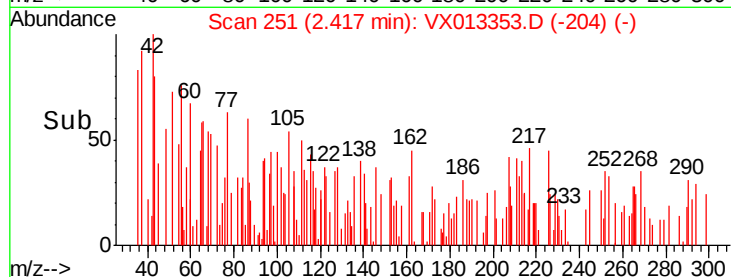
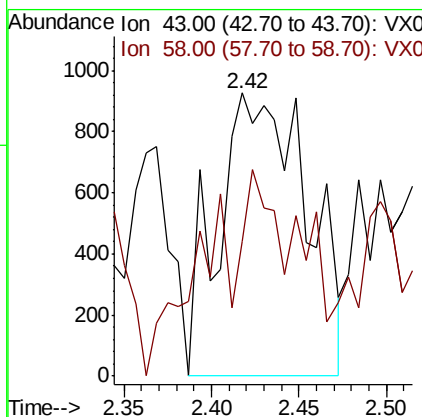
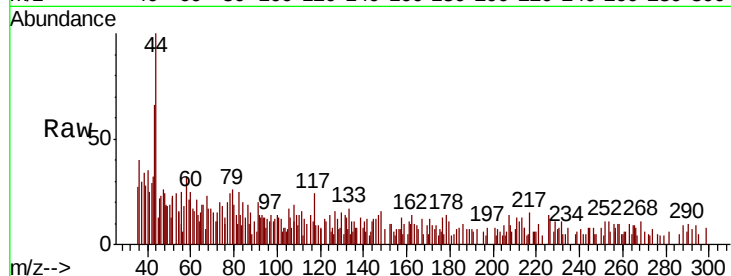




#16
Acetone
Concen: 0.690 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

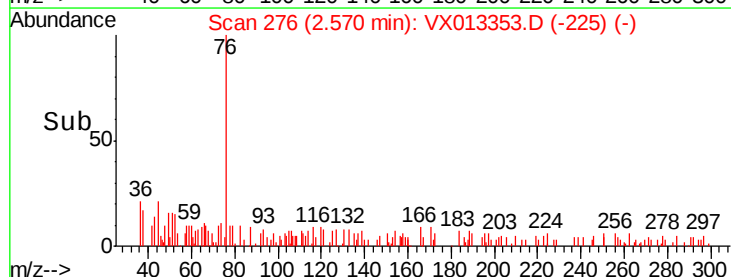
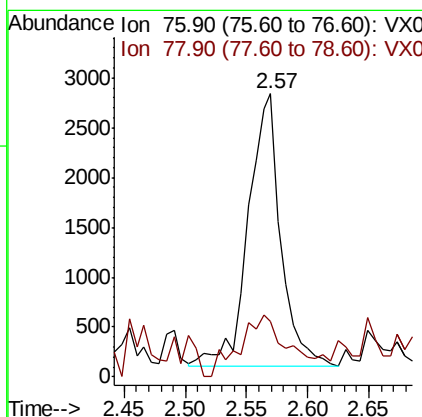
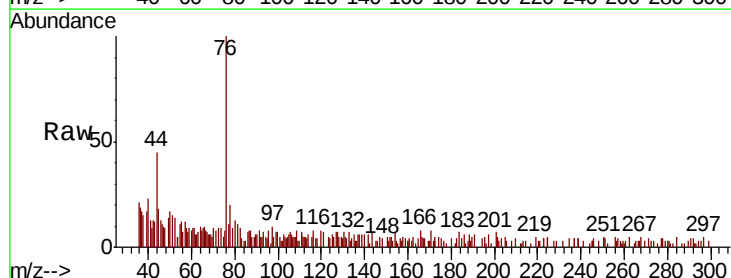
Instrument :
MSVOA_X
ClientSampled :
VX1108WBL01

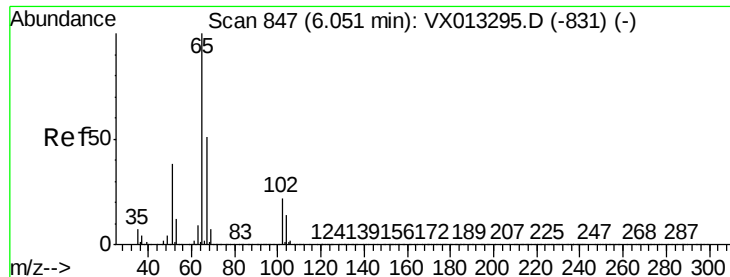
Tot Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
58 21.8 24.3 36.5#



#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

Tgt Ion: 76 Resp: 5041
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.6

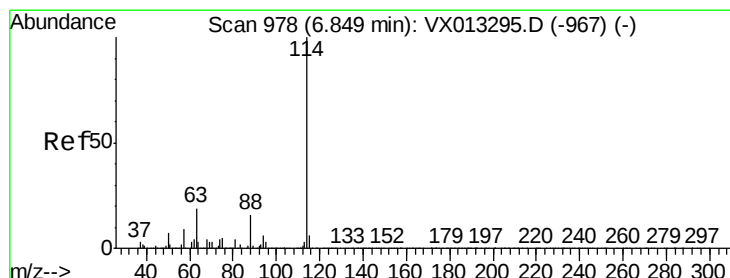
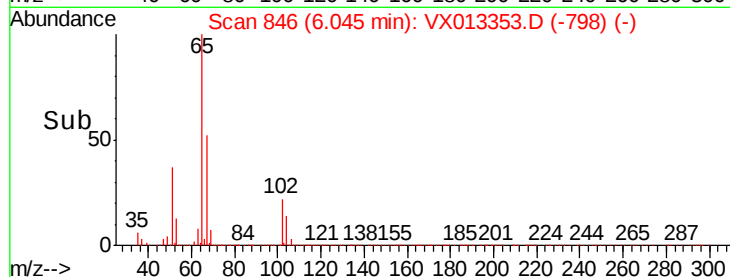
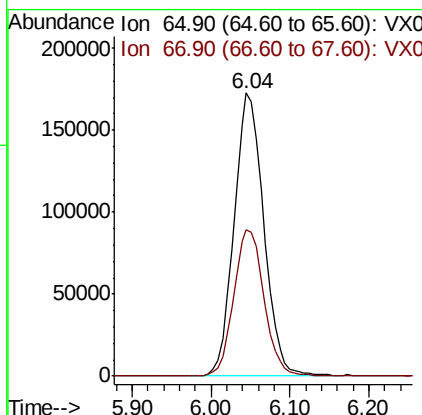
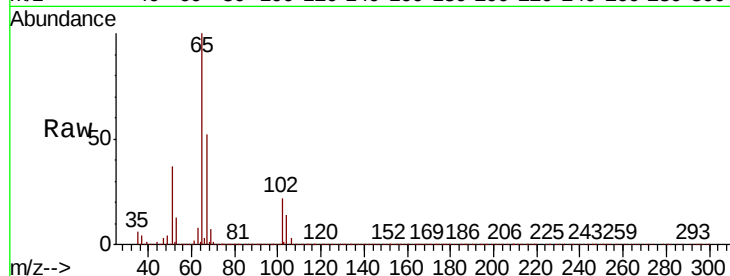




#33
 1,2-Dichloroethane-d4
 Concen: 47.422 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013353.D
 Acq: 08 Nov 2019 10:36

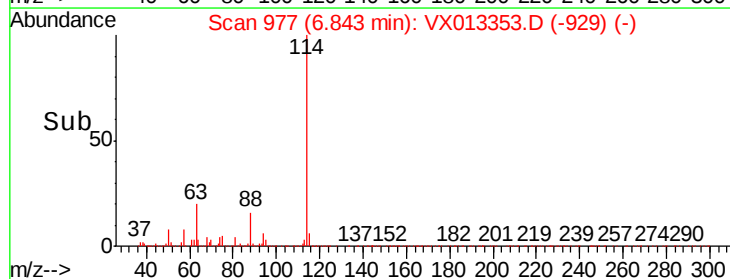
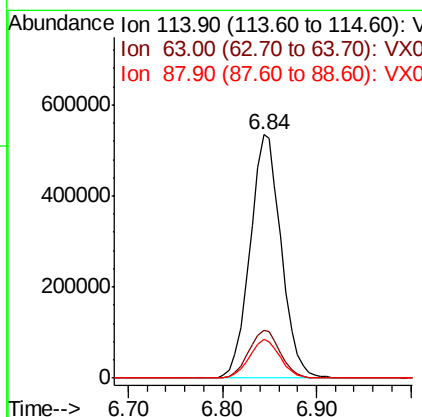
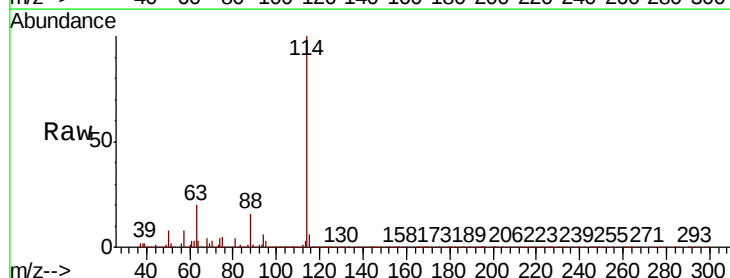
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBL01

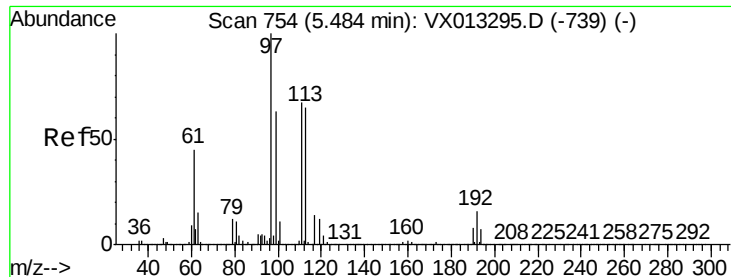
Tot Ion: 65 Resp: 450119
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013353.D
 Acq: 08 Nov 2019 10:36

Tgt Ion: 114 Resp: 1235100
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 16.0 0.0 32.2

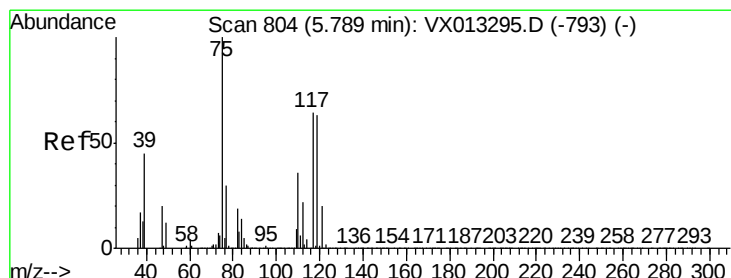
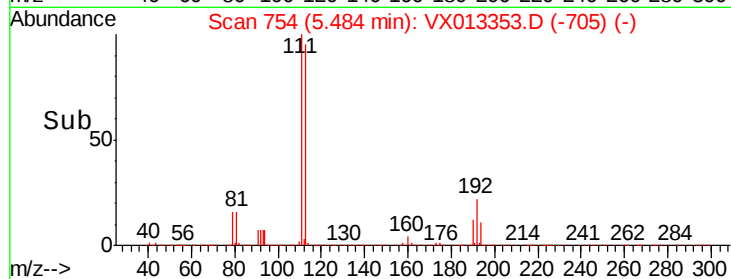
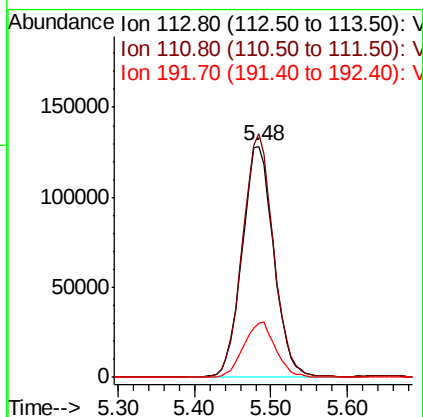
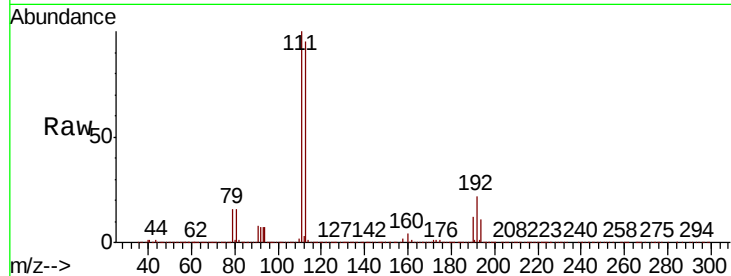




#35
Dibromofluoromethane
Concen: 47.659 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

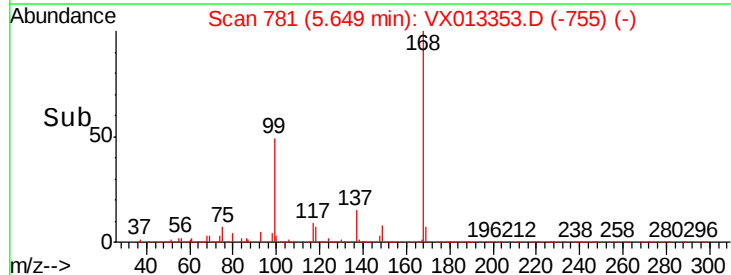
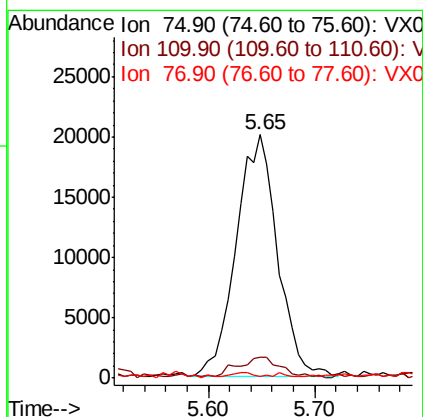
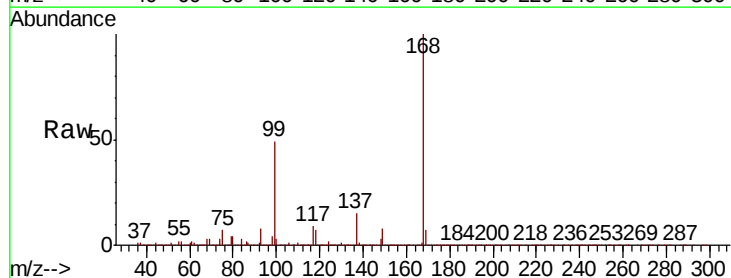
Instrument :
MSVOA_X
ClientSampleId :
VX1108WBL01

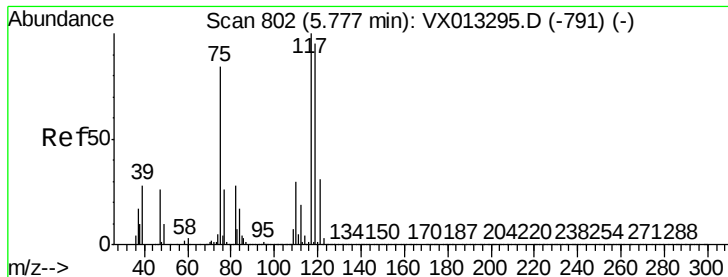
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	24.2	19.1	28.7



#36
1,1-Dichloropropene
Concen: 5.112 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013353.D
Acq: 08 Nov 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	1.7	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.655 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBL01

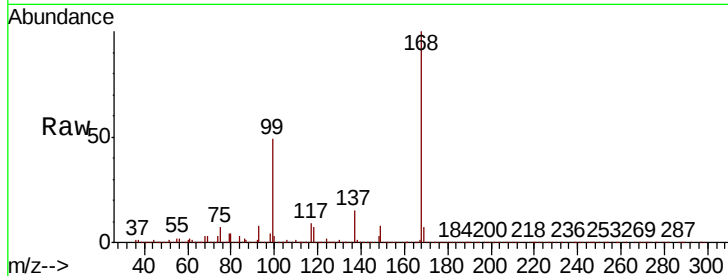
Tot Ion:117 Resp: 68956

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

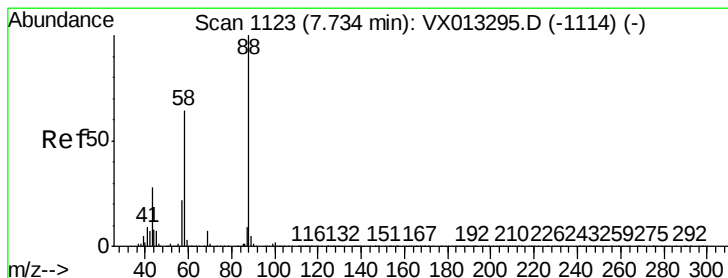
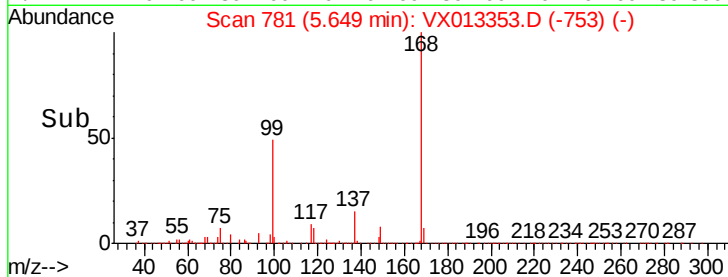
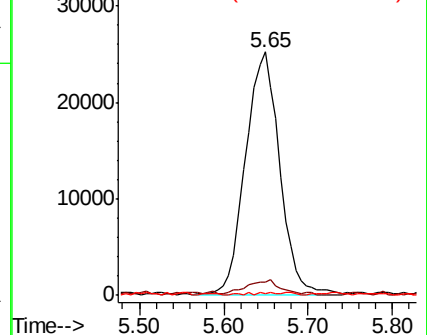
121 0.7 24.6 37.0#



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: 3.188 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

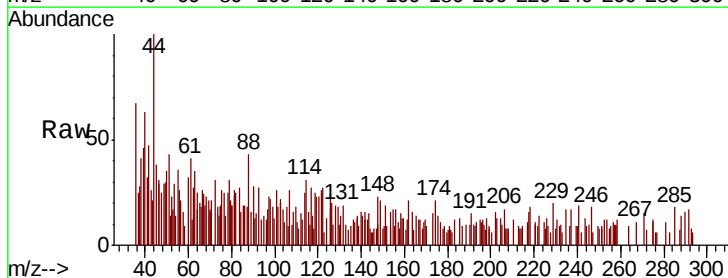
Tgt Ion: 88 Resp: 743

Ion Ratio Lower Upper

88 100

43 124.1 26.6 39.8#

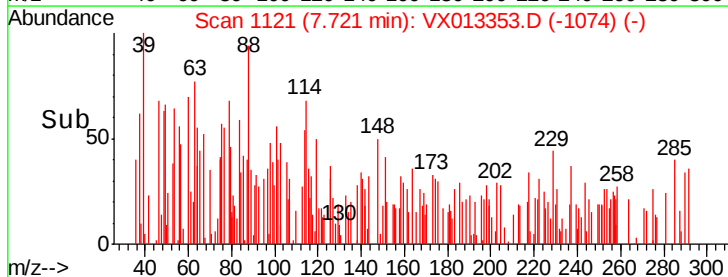
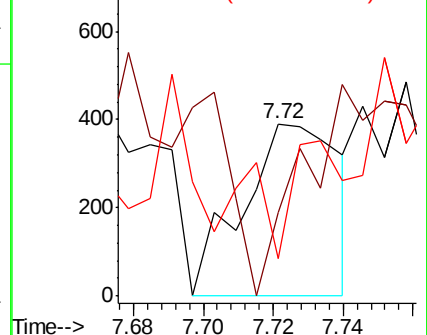
58 34.7 55.0 82.6#

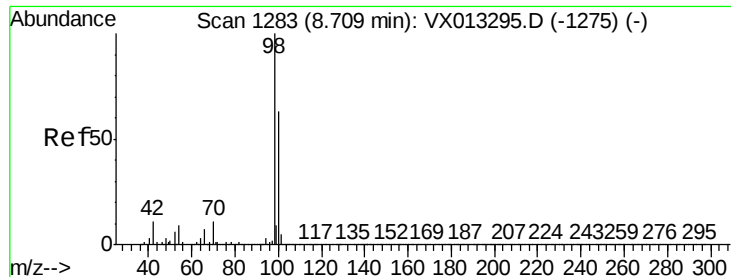


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.035 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

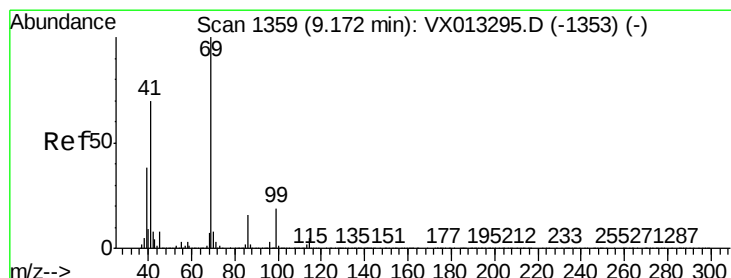
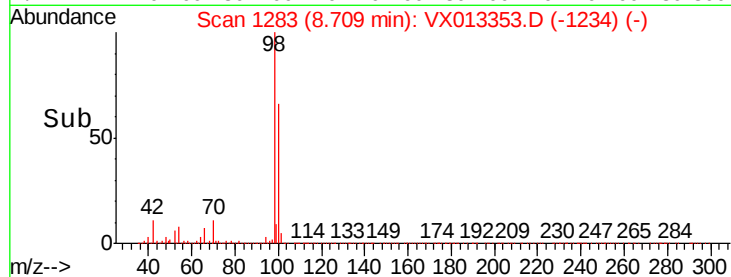
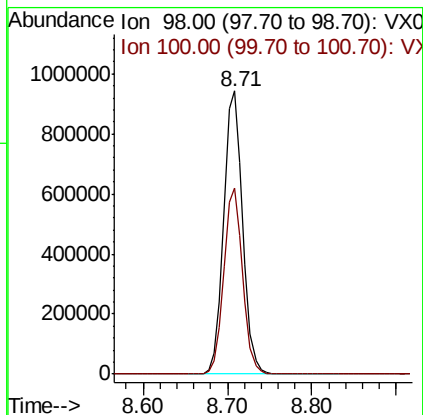
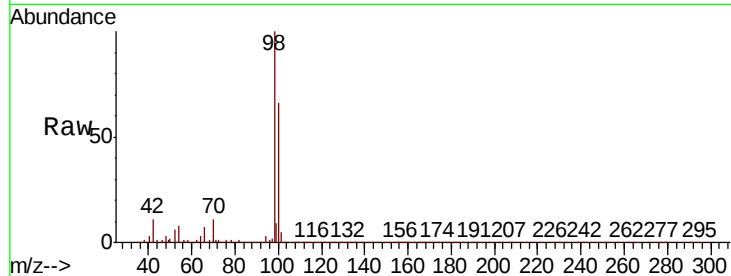
VX1108WBL01

Tot Ion: 98 Resp: 1461242

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.605 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.02 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

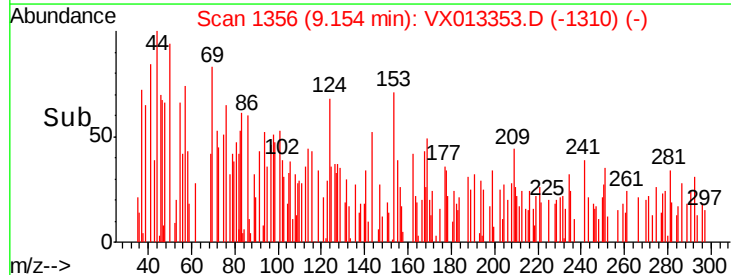
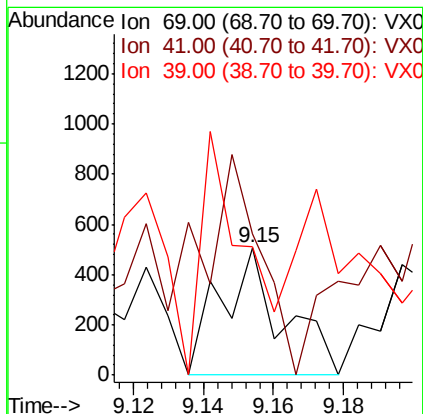
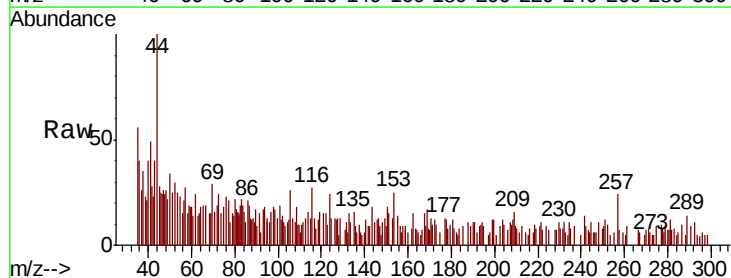
Tgt Ion: 69 Resp: 623

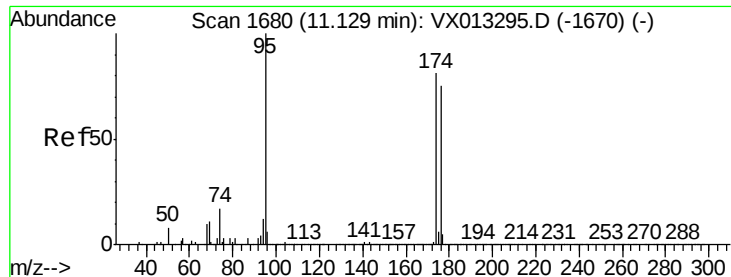
Ion Ratio Lower Upper

69 100

41 163.1 56.2 84.2#

39 131.6 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.710 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBL01

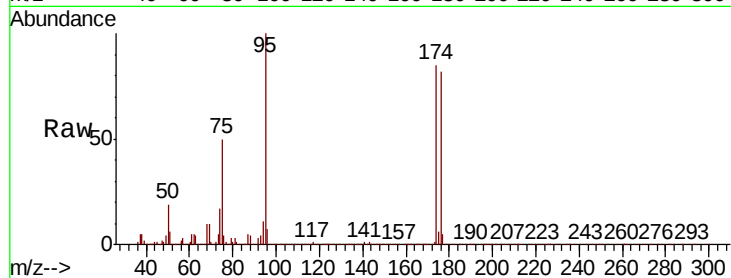
Tot Ion: 95 Resp: 492322

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.8

176 87.2 0.0 173.0

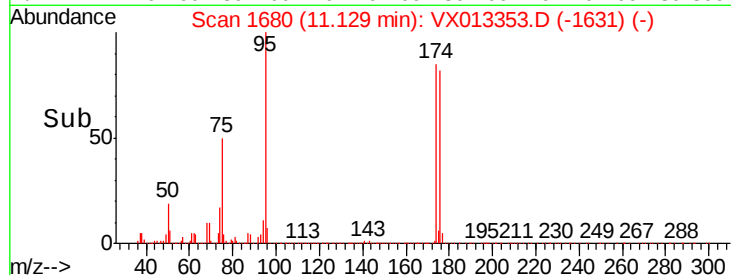


Abundance Ion 94.90 (94.60 to 95.60): VX013353.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013353.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013353.D (-1631) (-)

Time-->



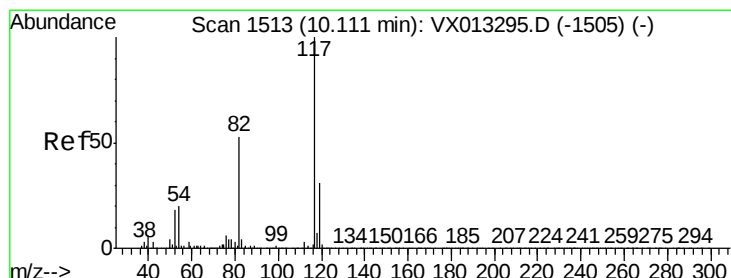
Abundance

Ion 94.90 (94.60 to 95.60): VX013353.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013353.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013353.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

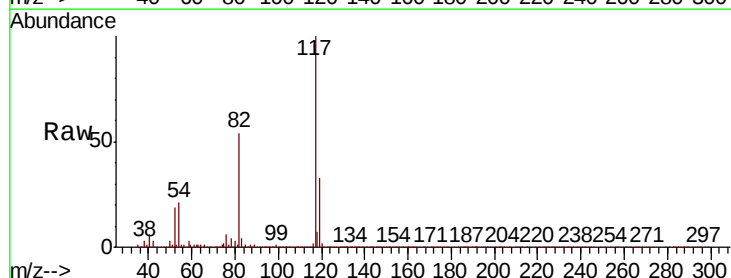
Tgt Ion: 117 Resp: 1100759

Ion Ratio Lower Upper

117 100

82 54.3 42.6 64.0

119 32.8 24.8 37.2

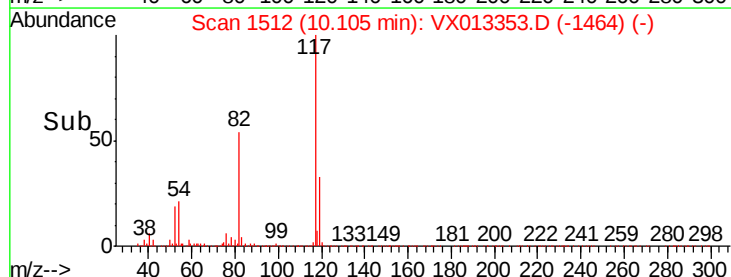


Abundance Ion 116.90 (116.60 to 117.60): VX013353.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013353.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013353.D (-1464) (-)

Time-->



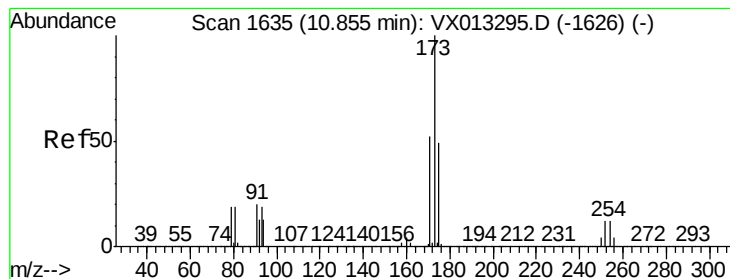
Abundance

Ion 116.90 (116.60 to 117.60): VX013353.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013353.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013353.D (-1464) (-)

Time-->



#71

Bromoform

Concen: 3.221 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.03 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBL01

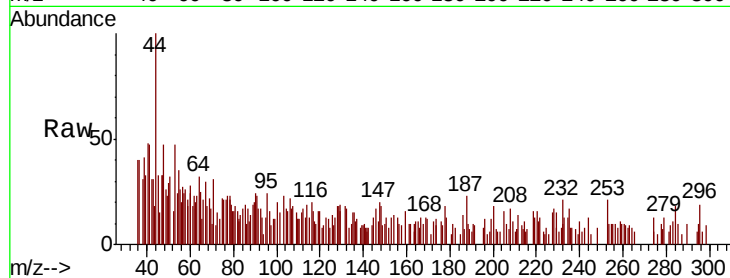
Tot Ion:173 Resp: 148

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

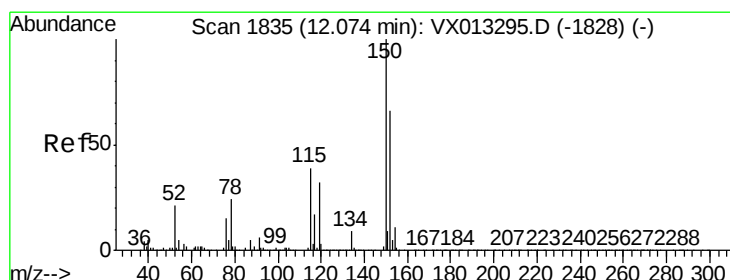
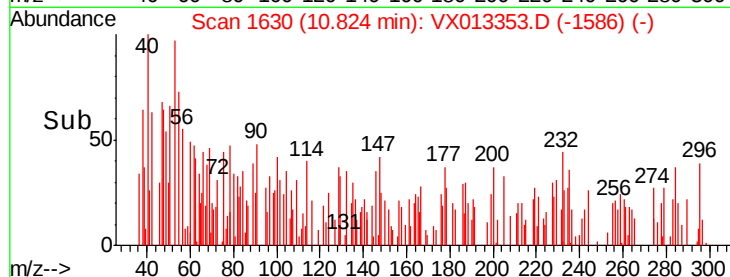
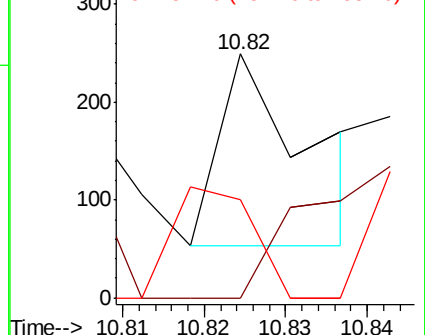
254 52.7 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013353.D

Acq: 08 Nov 2019 10:36

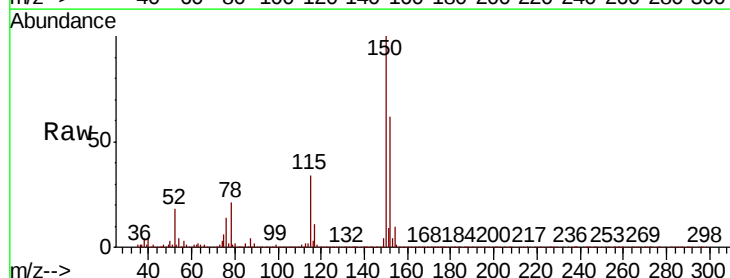
Tgt Ion:152 Resp: 500861

Ion Ratio Lower Upper

152 100

115 56.2 39.5 118.3

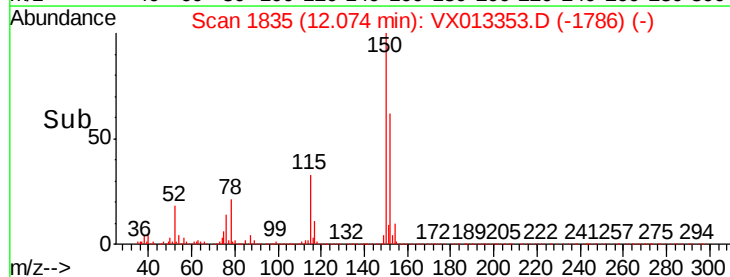
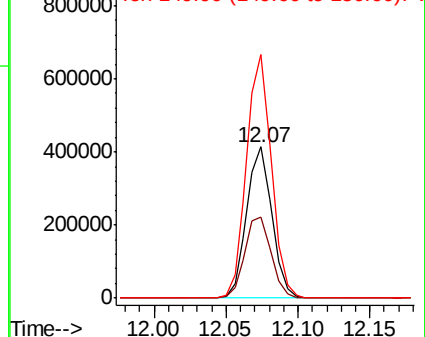
150 159.2 0.0 344.4

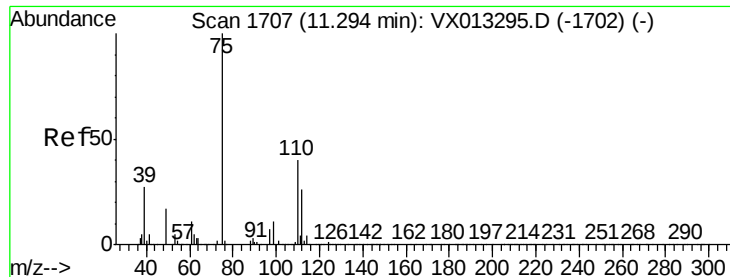


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.974 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

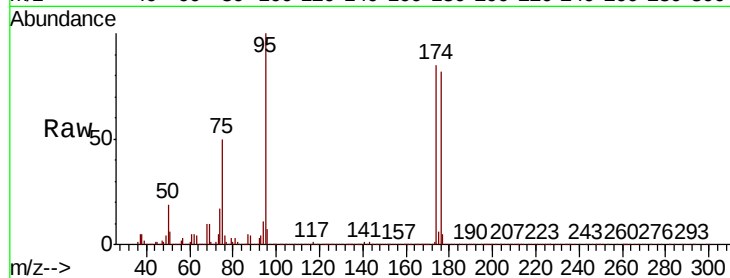
VX1108WBL01

Tot Ion: 75 Resp: 243886

Ion Ratio Lower Upper

75 100

77 1.3 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

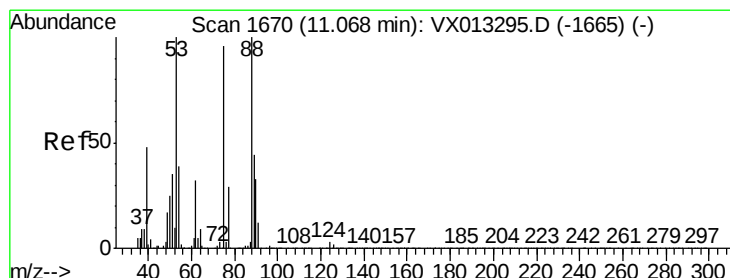
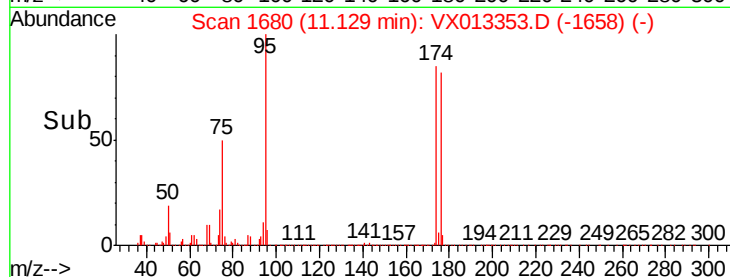
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.707 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013353.D

Acq: 08 Nov 2019 10:36

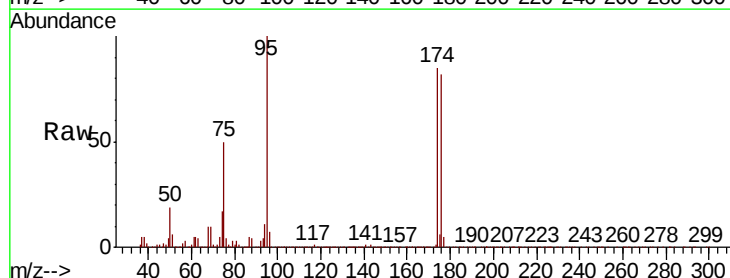
Tgt Ion: 75 Resp: 243886

Ion Ratio Lower Upper

75 100

53 0.2 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-->

