

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013550.D
 Acq On : 22 Nov 2019 22:33
 Operator : JC/SP
 Sample : VX1122WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBL03

Quant Time: Dec 03 07:36:42 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	654126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1074882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	958495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	437554	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	389942	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
35) Dibromofluoromethane	5.49	113	320323	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	1275153	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	430653	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	

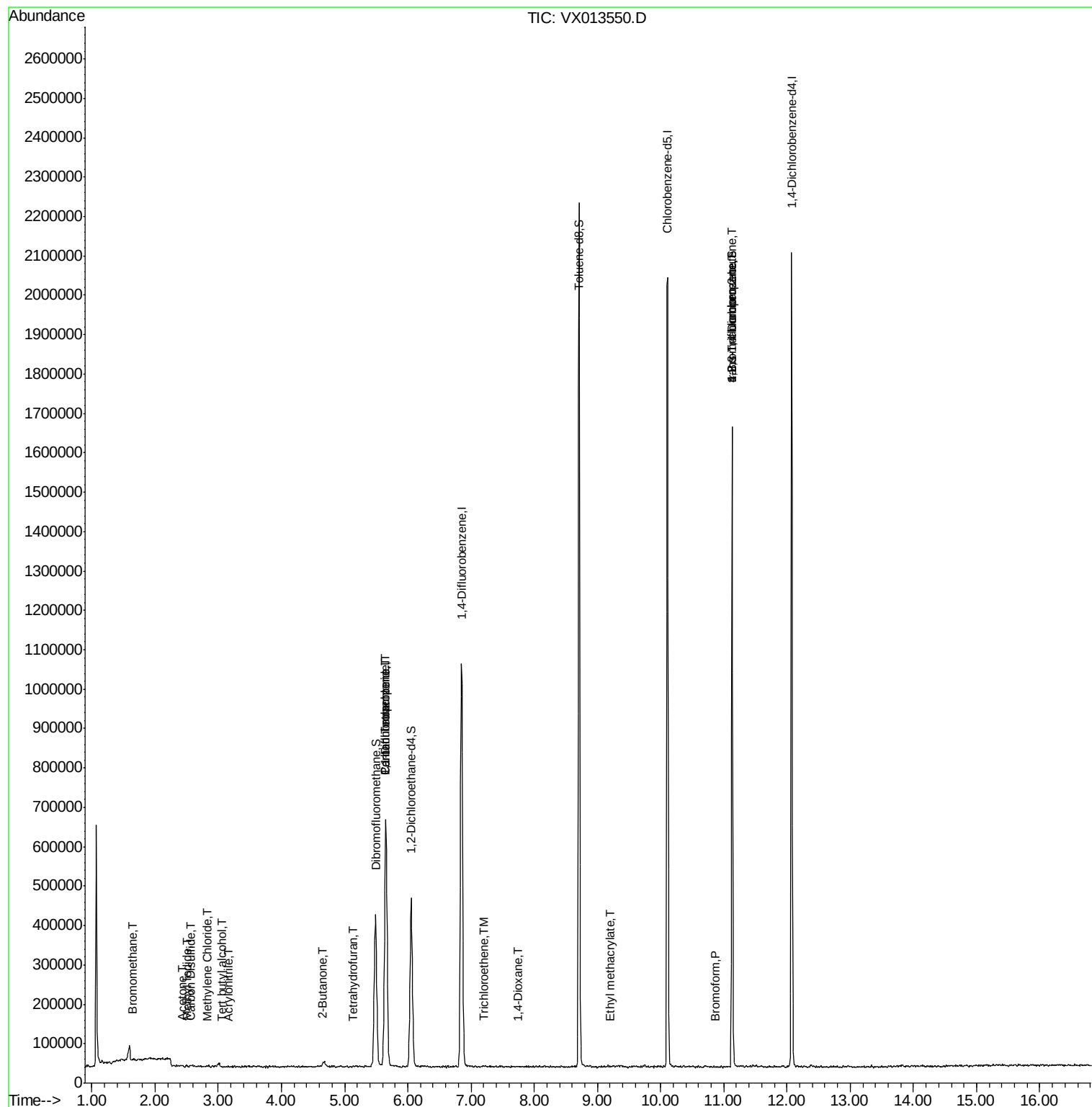
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1667	0.257	ug/l	99
6) Chloroethane	1.72	64	385	Below Cal	#	54
10) Methyl Iodide	2.50	142	1935	0.255	ug/l #	66
11) Tert butyl alcohol	3.06	59	465	0.228	ug/l #	1
15) Acrylonitrile	3.15	53	781	0.205	ug/l #	69
16) Acetone	2.43	43	5572	1.442	ug/l #	69
17) Carbon Disulfide	2.56	76	4051	0.252	ug/l #	91
20) Methylene Chloride	2.84	84	1578	0.221	ug/l #	72
25) 2-Butanone	4.65	43	1837	0.324	ug/l #	49
29) Tetrahydrofuran	5.14	42	1537	0.440	ug/l	93
36) 1,1-Dichloropropene	5.65	75	42768	4.638	ug/l #	52
38) Carbon Tetrachloride	5.65	117	55968	6.207	ug/l #	17
44) Trichloroethene	7.20	130	1860	0.235	ug/l	4
49) 1,4-Dioxane	7.75	88	741	3.653	ug/l #	22
56) Ethyl methacrylate	9.19	69	297	1.586	ug/l #	35
71) Bromoform	10.87	173	270	3.241	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	212610	23.923	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	212610	61.577	ug/l #	9

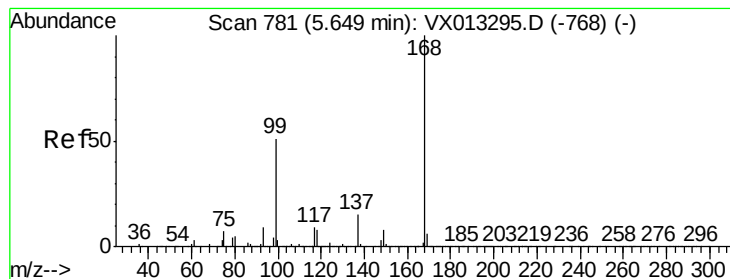
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013550.D

Acq: 22 Nov 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

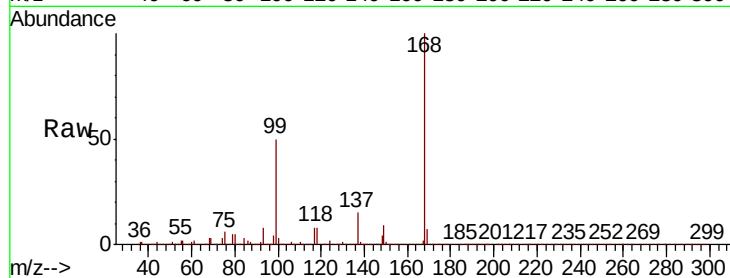
VX1122WBL03

Tot Ion:168 Resp: 654126

Ion Ratio Lower Upper

168 100

99 49.7 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

250000

200000

150000

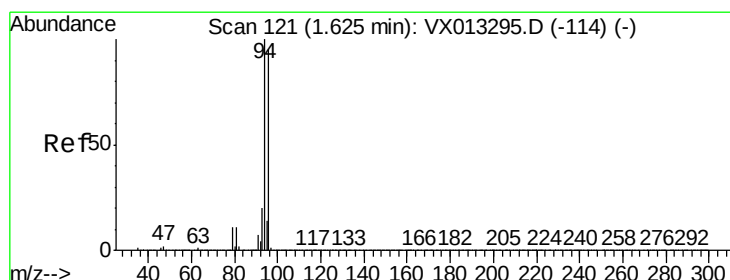
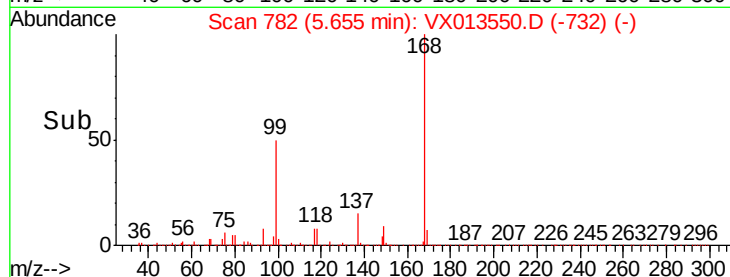
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013550.D

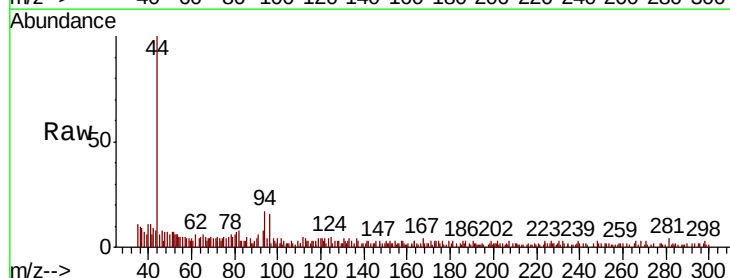
Acq: 22 Nov 2019 22:33

Tgt Ion: 94 Resp: 1667

Ion Ratio Lower Upper

94 100

96 95.9 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

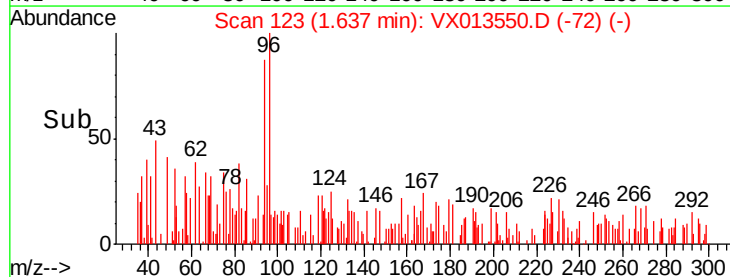
400

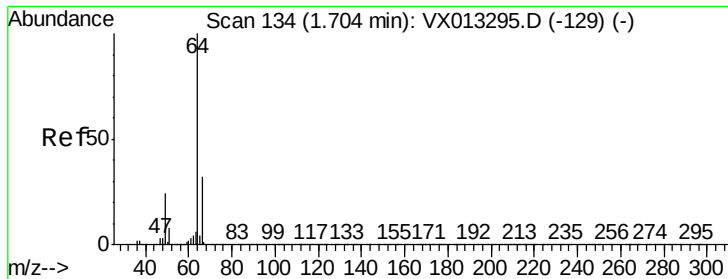
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

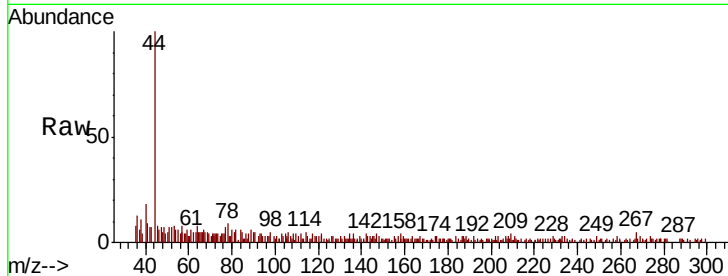
VX1122WBL03

Tot Ion: 64 Resp: 385

Ion Ratio Lower Upper

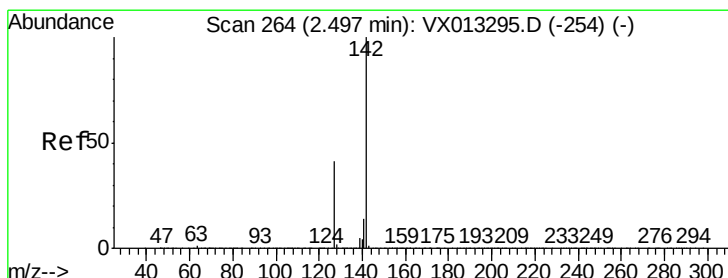
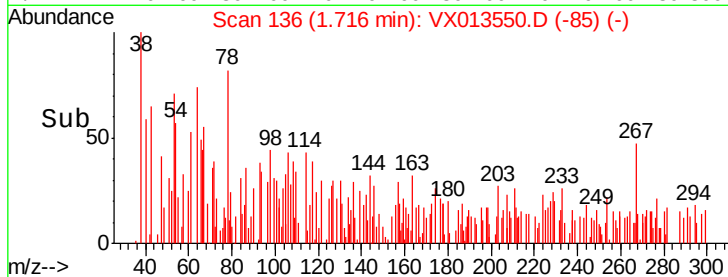
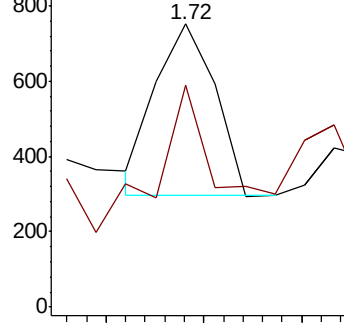
64 100

66 57.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

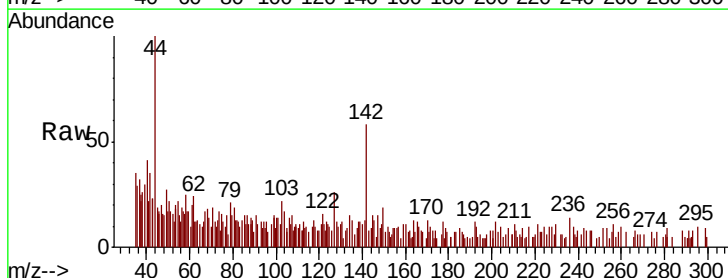
Tgt Ion: 142 Resp: 1935

Ion Ratio Lower Upper

142 100

127 15.0 32.6 49.0#

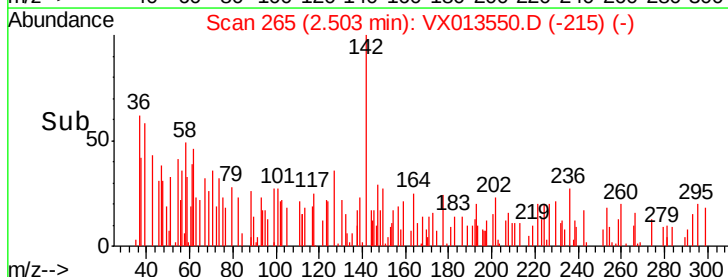
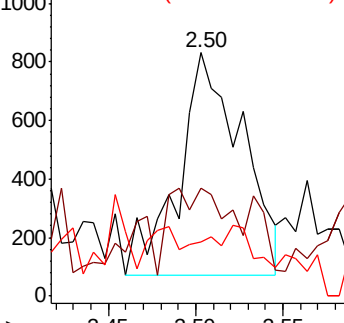
141 9.8 11.6 17.4#

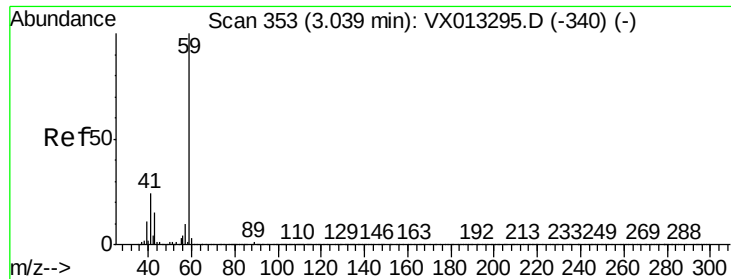


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



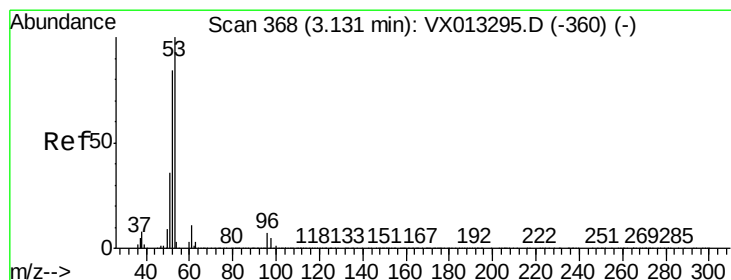
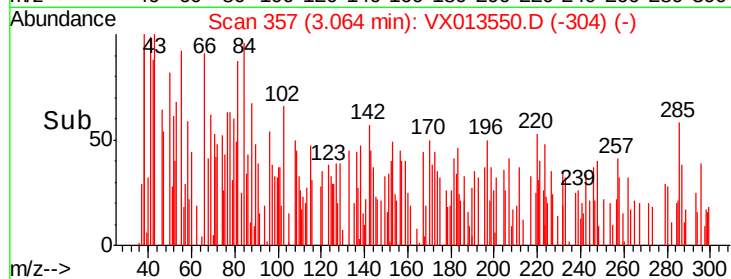
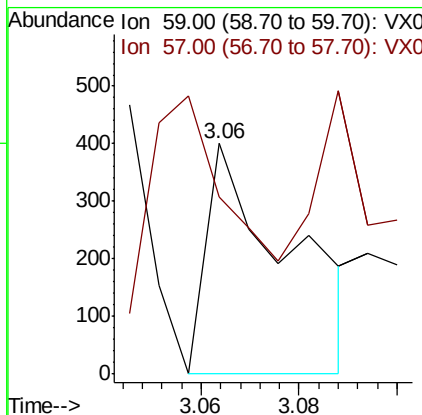
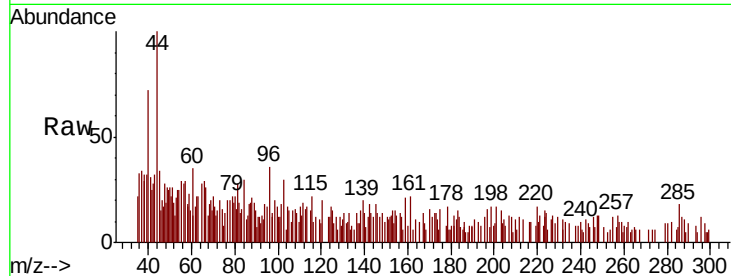


#11

Tert butyl alcohol
 Concen: 0.228 ug/l
 RT: 3.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX1122WBL03

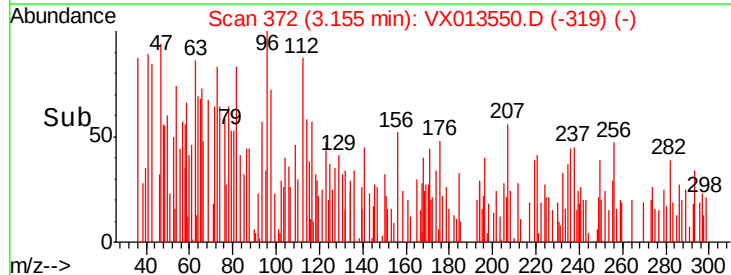
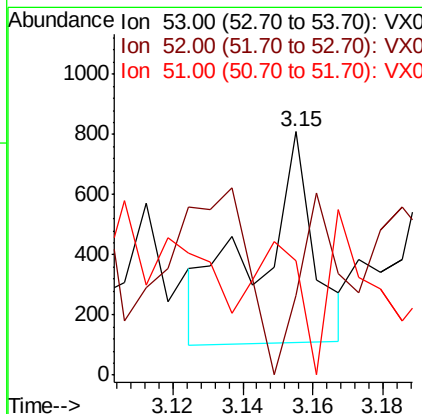
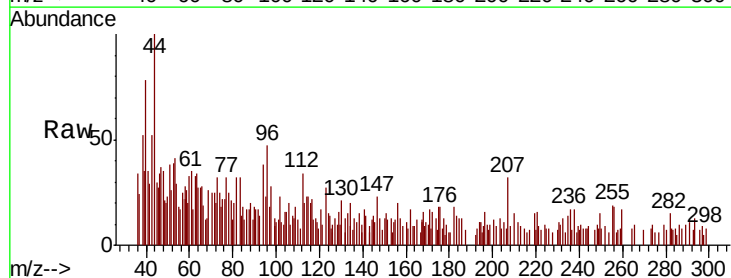
Tot Ion: 59 Resp: 465
 Ion Ratio Lower Upper
 59 100
 57 90.5 8.0 12.0#

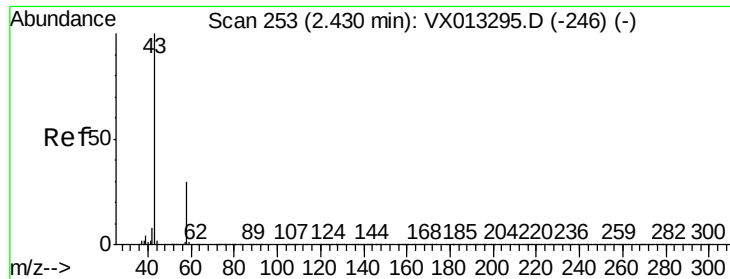


#15

Acrylonitrile
 Concen: 0.205 ug/l
 RT: 3.15 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

Tgt Ion: 53 Resp: 781
 Ion Ratio Lower Upper
 53 100
 52 69.7 67.4 101.0
 51 75.3 29.4 44.2#

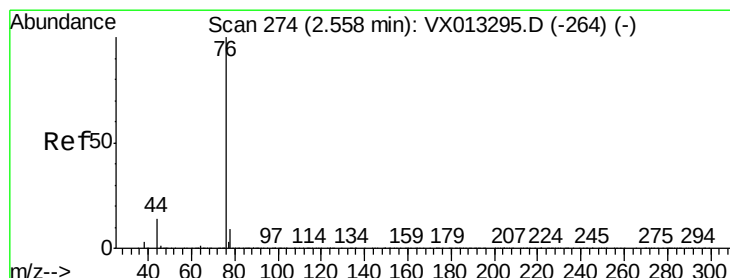
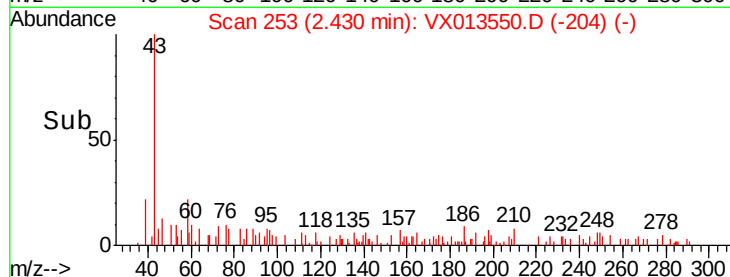
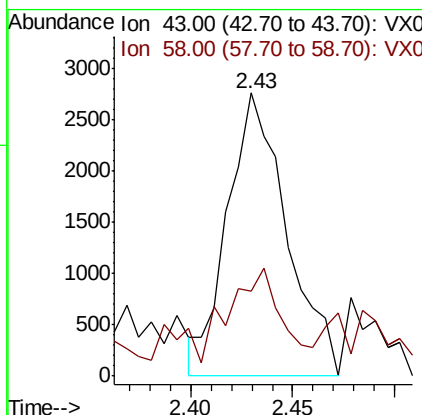
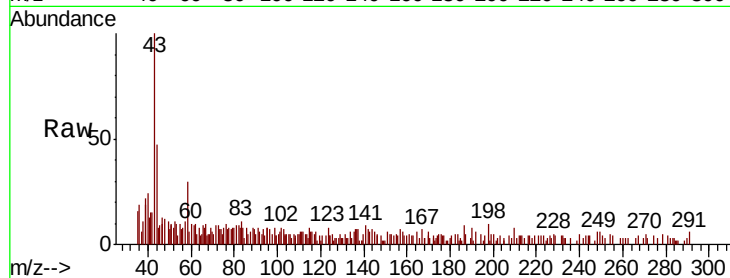




#16
Acetone
Concen: 1.442 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

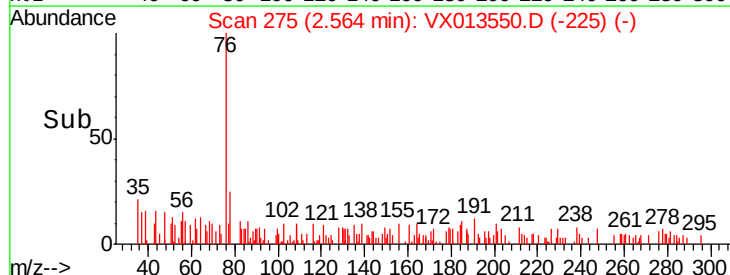
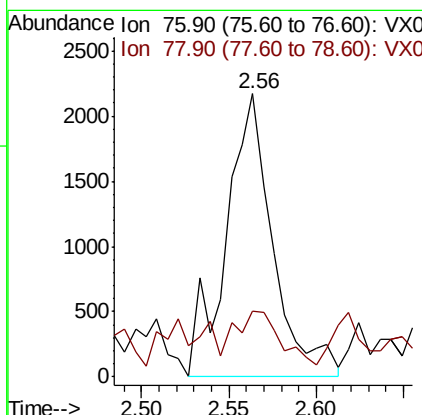
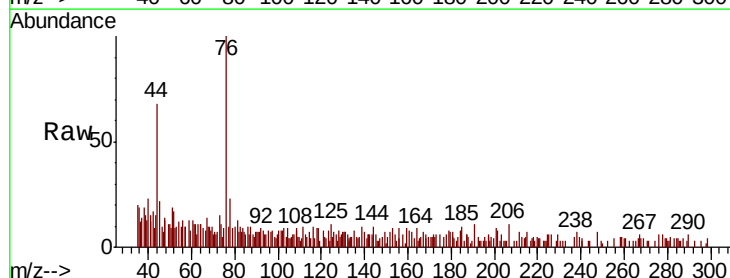
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL03

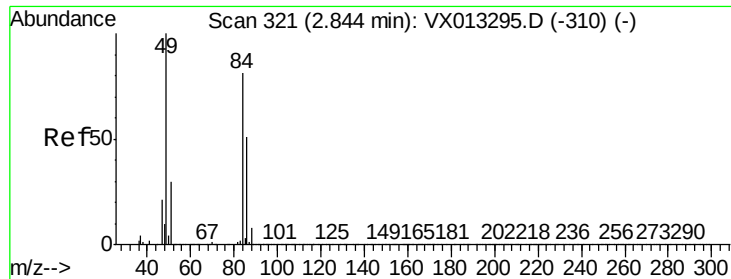
Tot Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
58 13.5 24.3 36.5#



#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion: 76 Resp: 4051
Ion Ratio Lower Upper
76 100
78 12.2 7.0 10.6#

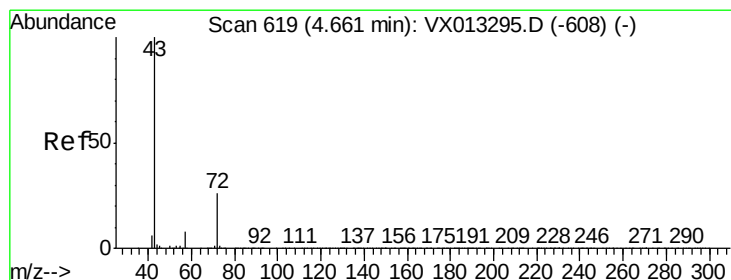
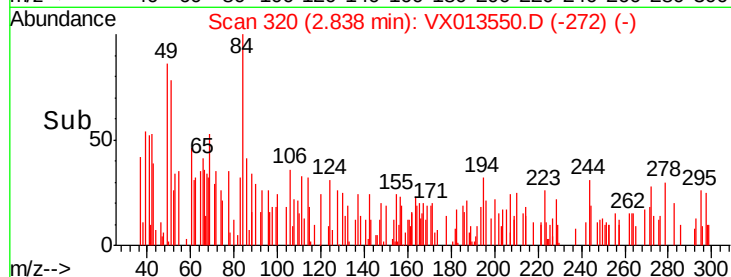
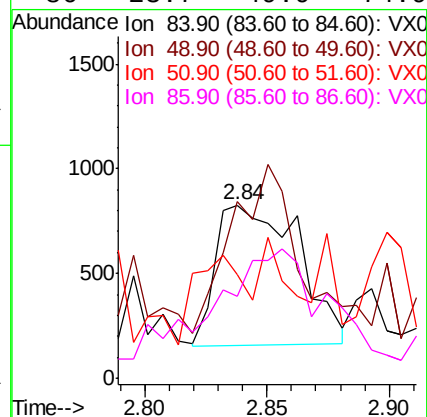
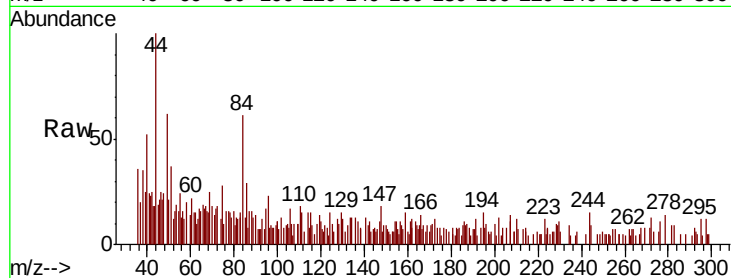




#20
Methvlene Chloride
Concen: 0.221 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

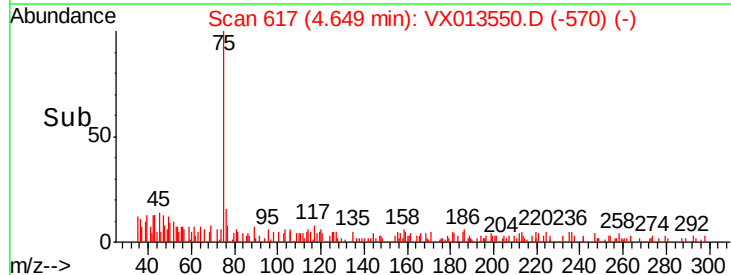
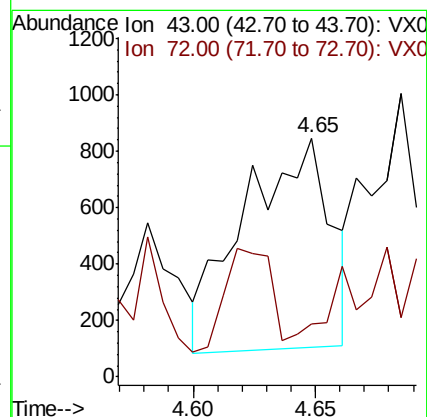
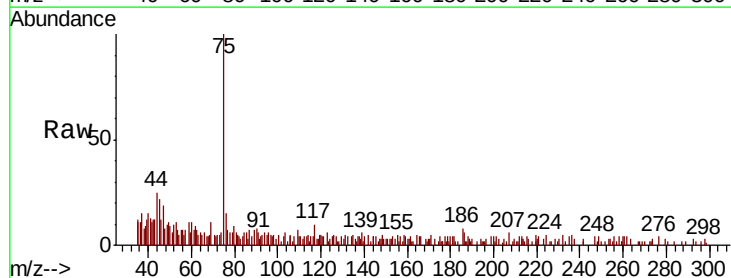
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MSVOA_X
ClientSampleId :
VX1122WBL03

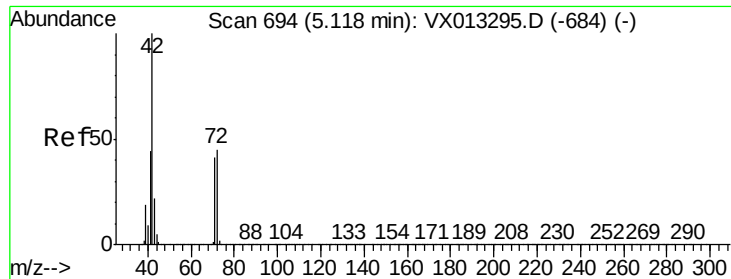
Tot Ion: 84 Resp: 1578
Ion Ratio Lower Upper
84 100
49 95.9 98.2 147.4#
51 36.4 29.9 44.9
86 23.7 49.9 74.9#



#25
2-Butanone
Concen: 0.324 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

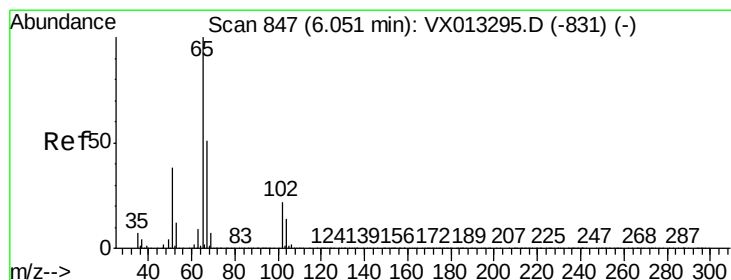
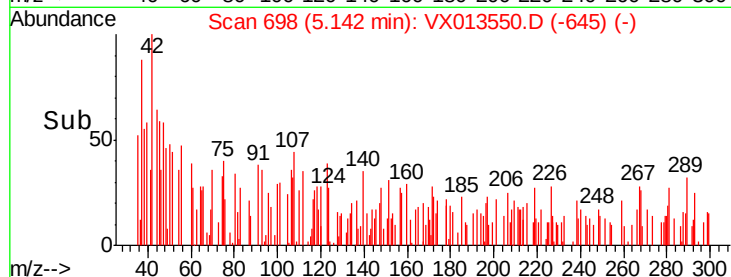
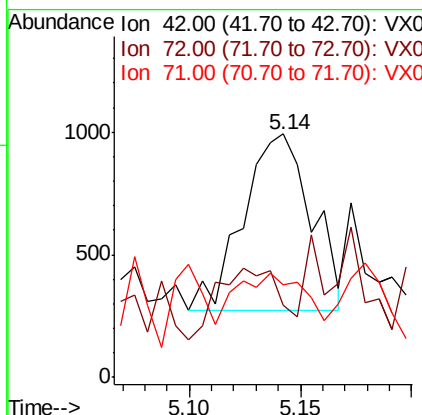
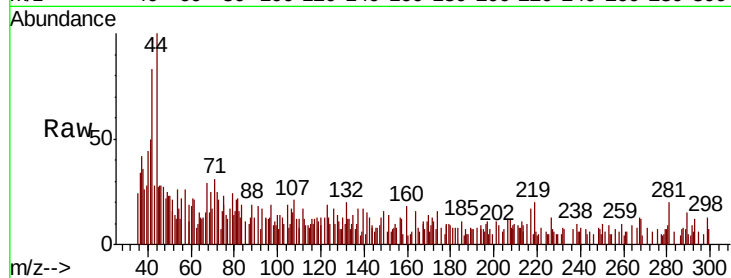




#29
Tetrahydrofuran
Concen: 0.440 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.02 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

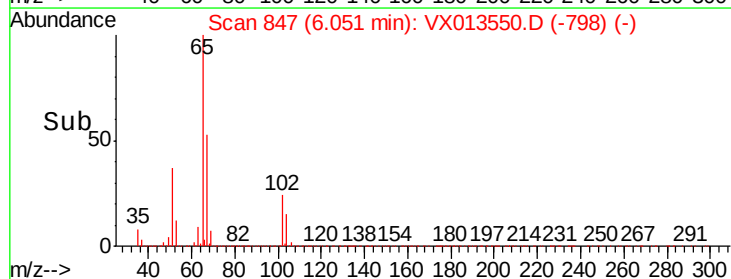
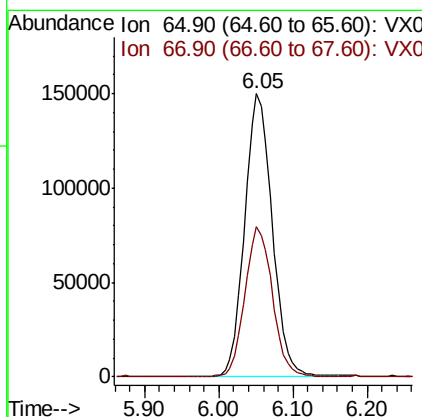
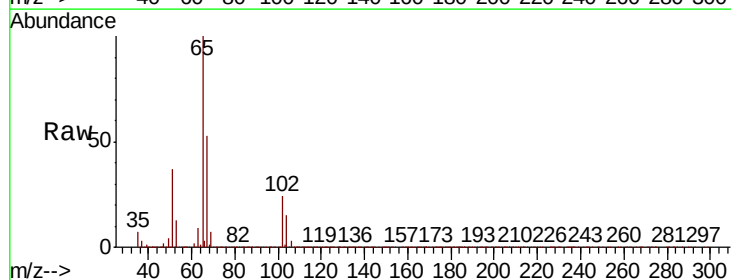
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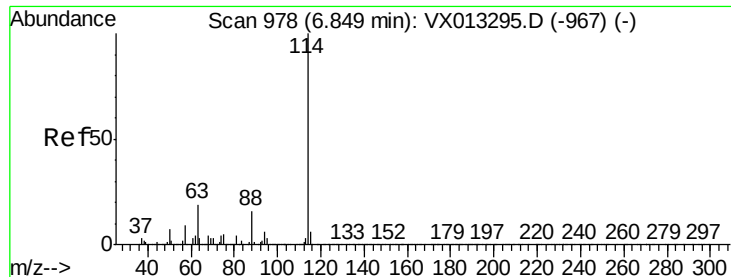
Tot Ion: 42 Resp: 1537
Ion Ratio Lower Upper
42 100
72 37.6 35.8 53.8
71 39.8 33.4 50.0



#33
1,2-Dichloroethane-d4
Concen: 50.319 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion: 65 Resp: 389942
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.2

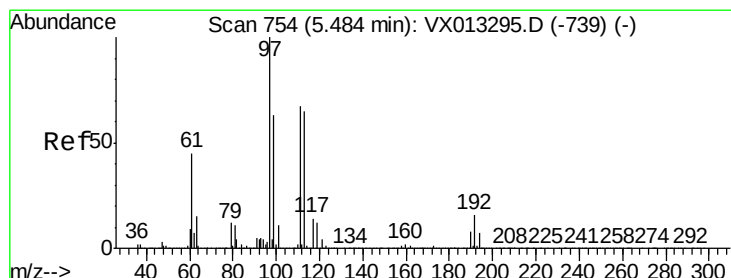
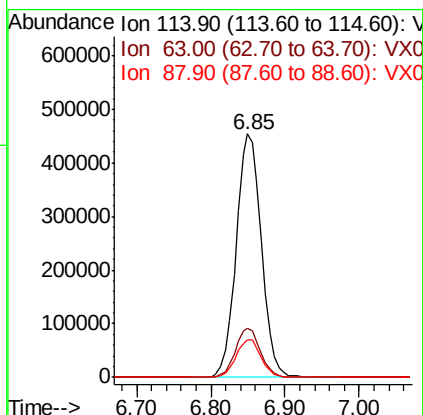
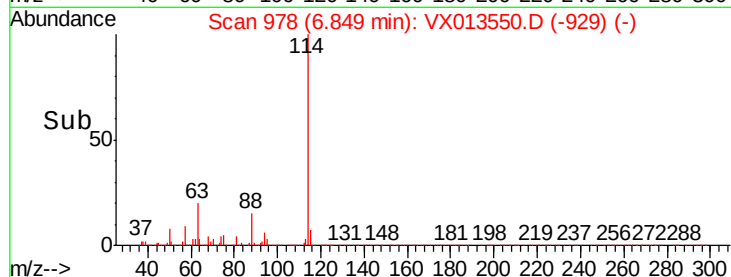
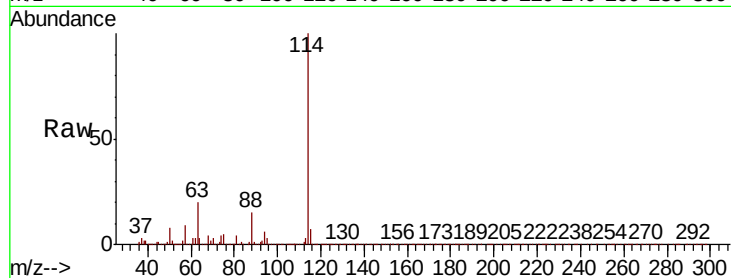




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

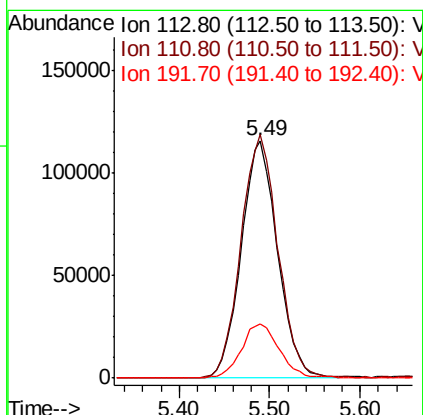
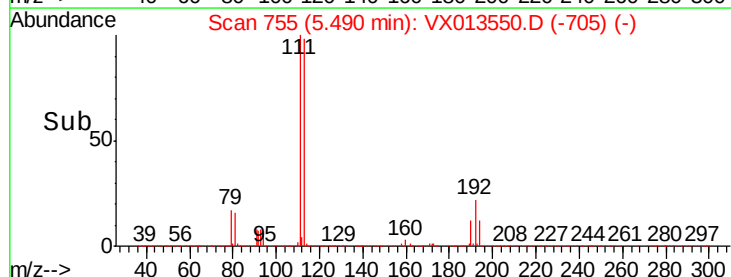
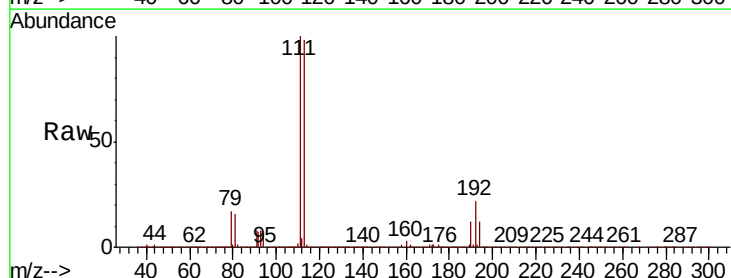
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL03

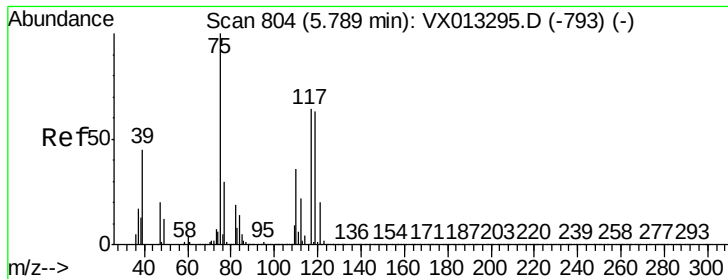
Tot Ion:114 Resp: 1074882
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.4
88 15.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 47.513 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion:113 Resp: 320323
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 23.4 19.1 28.7

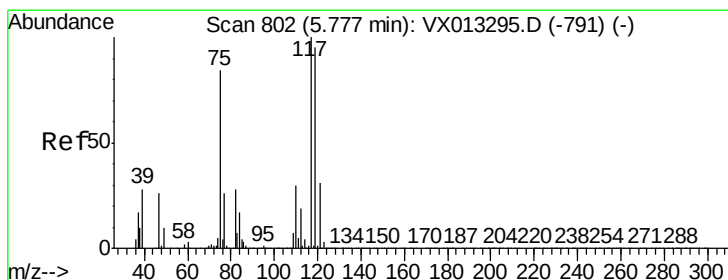
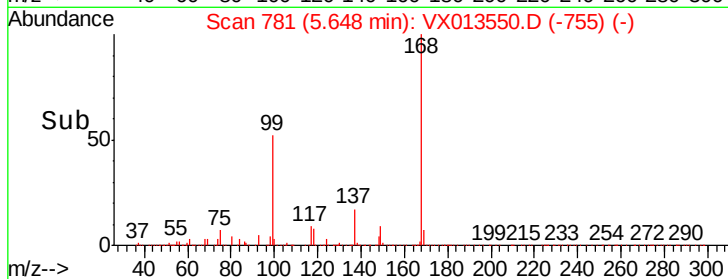
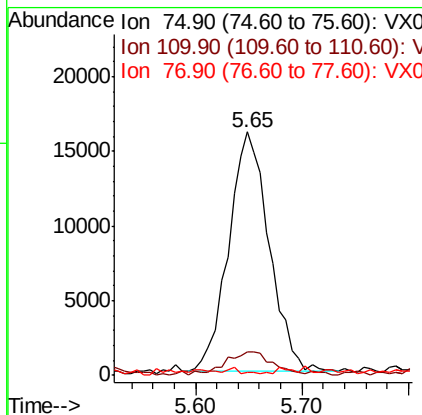
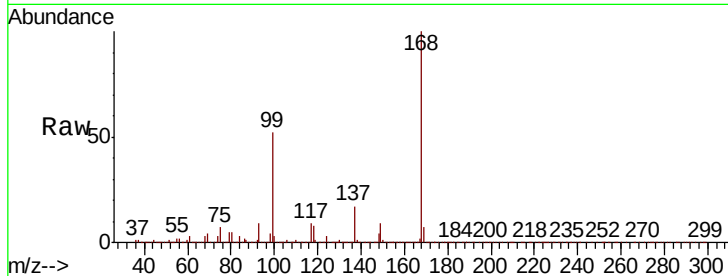




#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

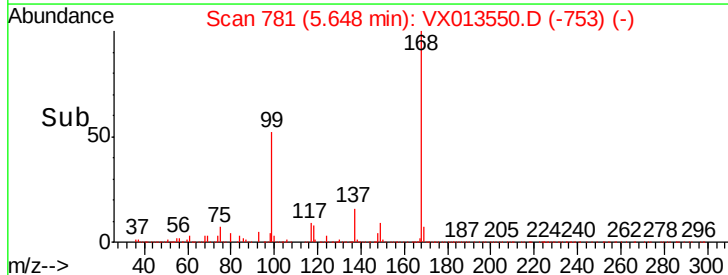
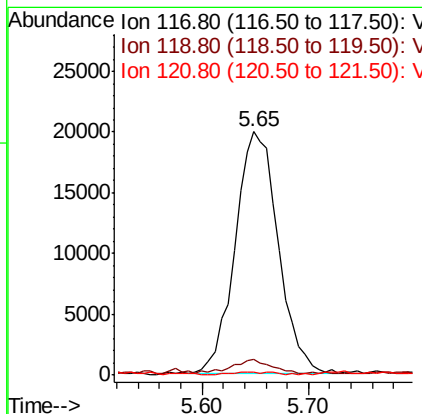
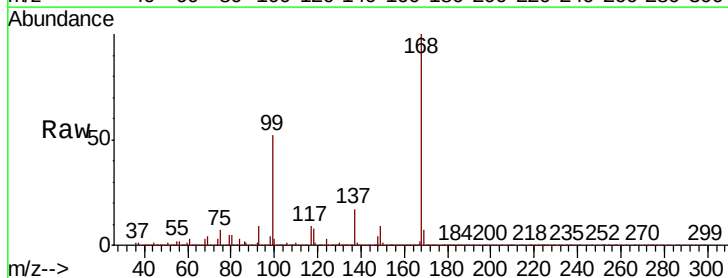
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBL03

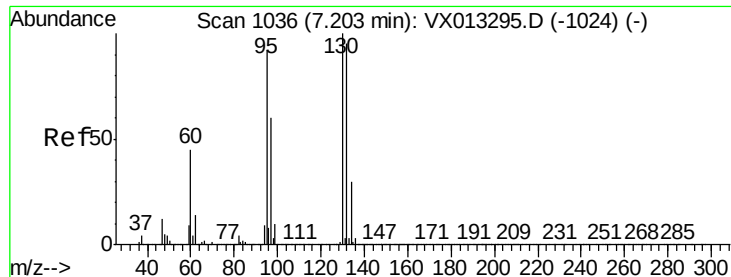
Tot Ion: 75 Resp: 42768
 Ion Ratio Lower Upper
 75 100
 110 11.5 18.1 54.1#
 77 0.7 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.207 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

Tgt Ion: 117 Resp: 55968
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.1 114.1#
 121 0.1 24.6 37.0#





#44

Trichloroethene

Concen: 0.235 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

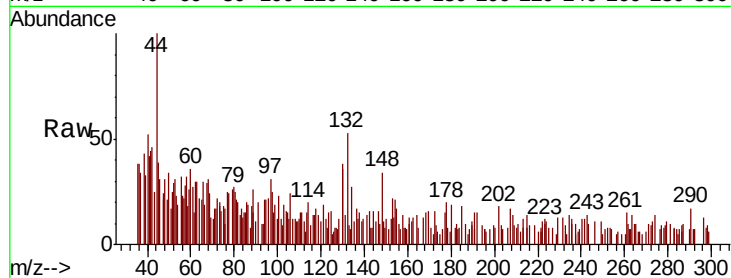
VX1122WBL03

Tot Ion:130 Resp: 1860

Ion Ratio Lower Upper

130 100

95 0.5 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

800

600

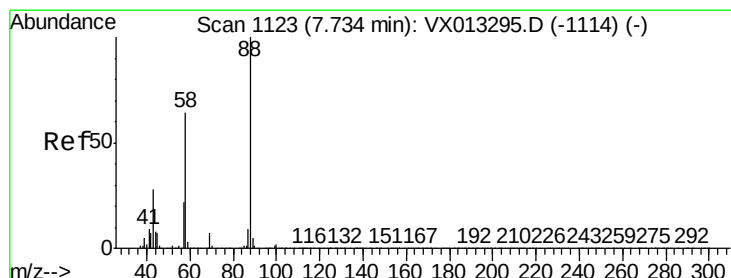
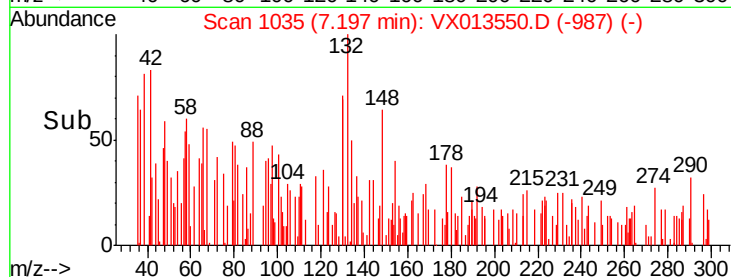
400

200

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 3.653 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

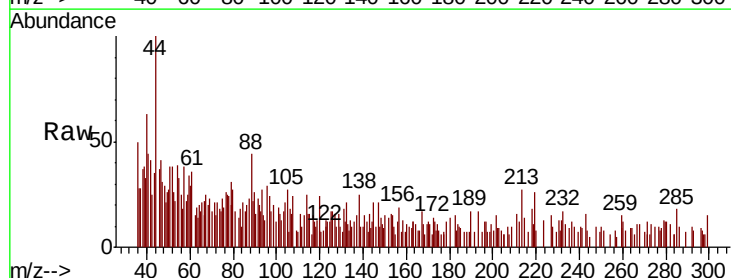
Tgt Ion: 88 Resp: 741

Ion Ratio Lower Upper

88 100

43 69.2 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

600

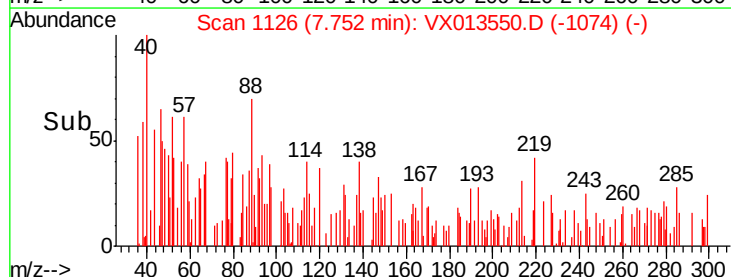
400

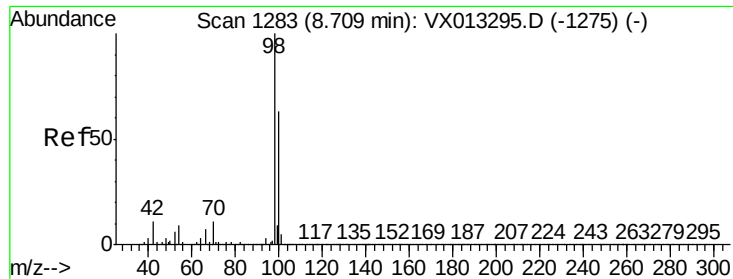
200

0

7.70 7.72 7.74 7.76 7.78

Time-->

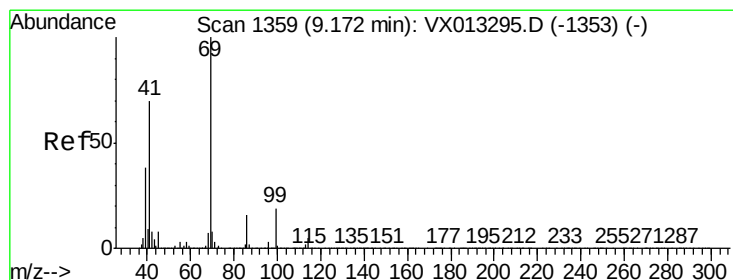
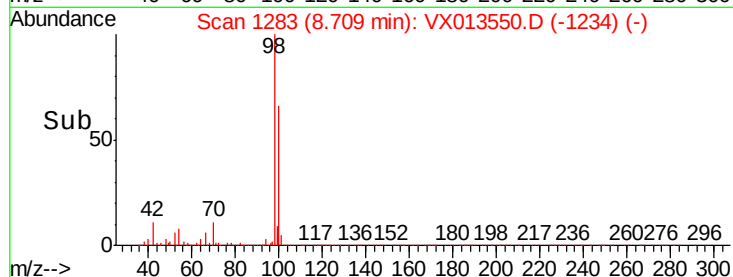
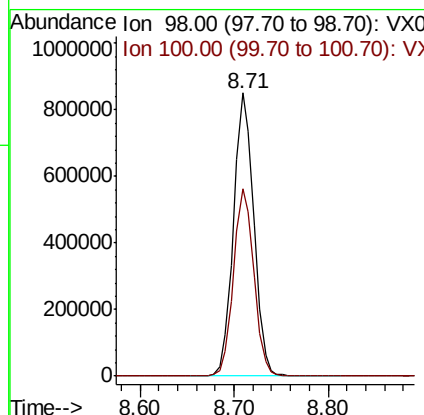
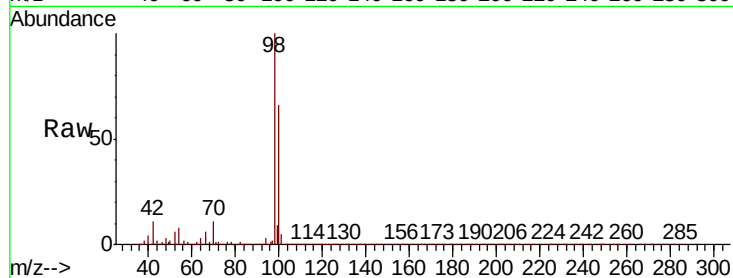




#50
Toluene-d8
Concen: 50.172 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

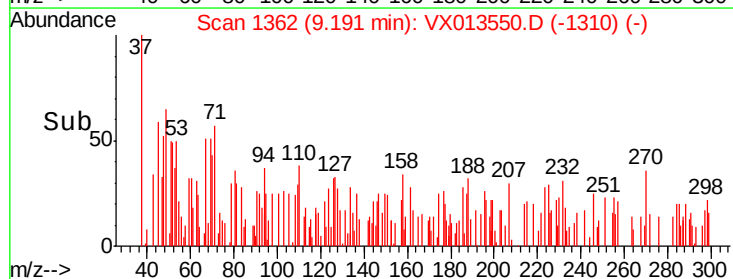
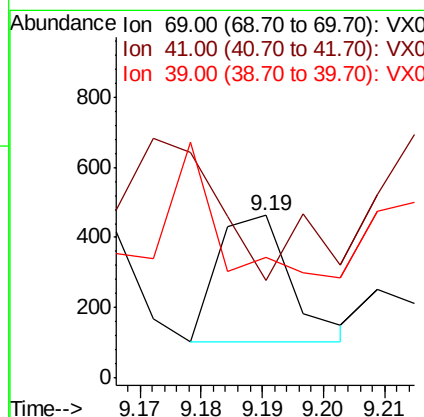
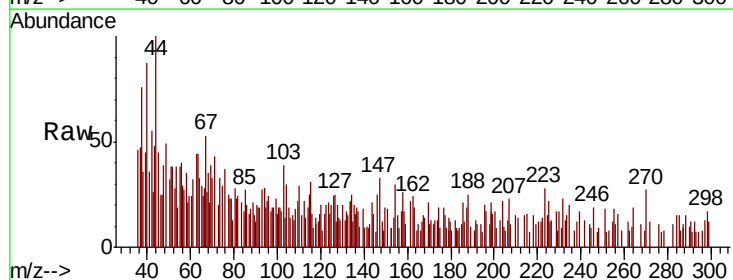
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL03

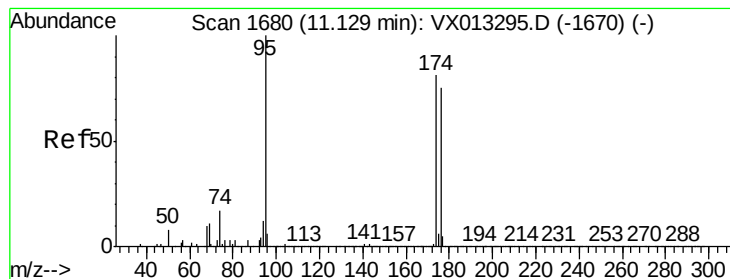
Tot Ion: 98 Resp: 1275153
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.586 ug/l
RT: 9.19 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion: 69 Resp: 297
Ion Ratio Lower Upper
69 100
41 141.4 56.2 84.2#
39 53.9 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.949 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBL03

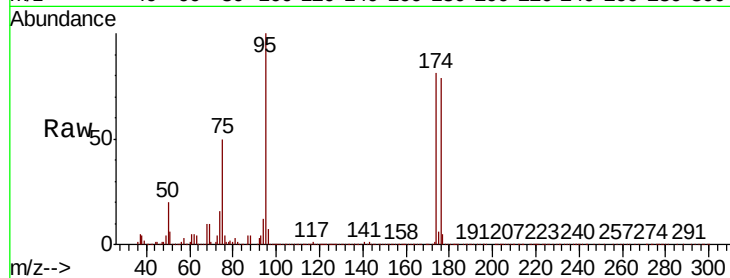
Tot Ion: 95 Resp: 430653

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

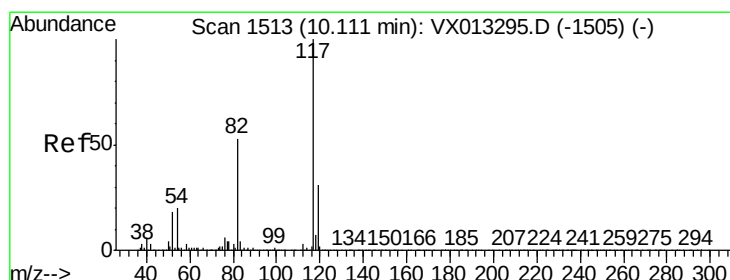
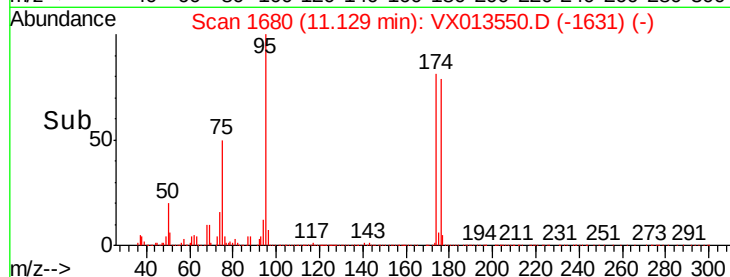
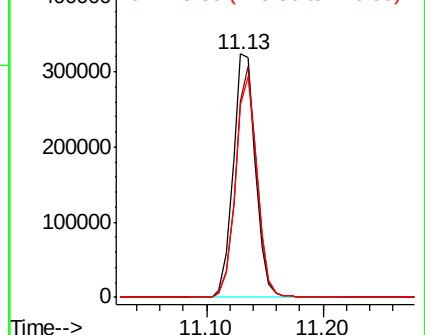
176 88.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013550.D

Acq: 22 Nov 2019 22:33

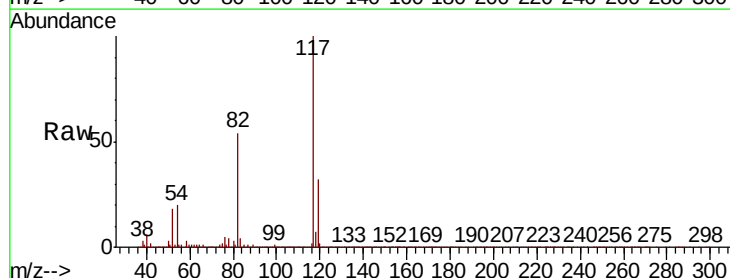
Tgt Ion: 117 Resp: 958495

Ion Ratio Lower Upper

117 100

82 53.6 42.6 64.0

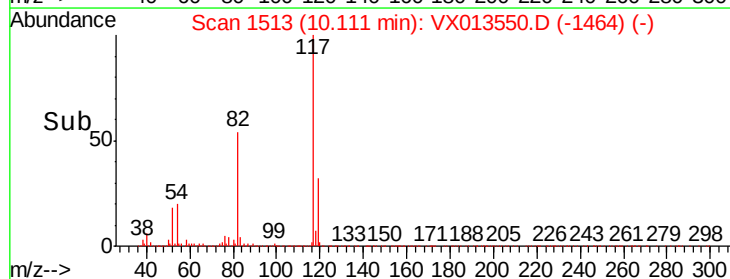
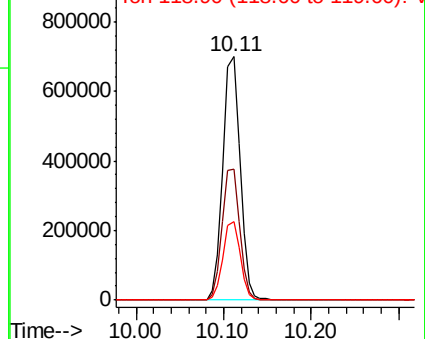
119 32.0 24.8 37.2

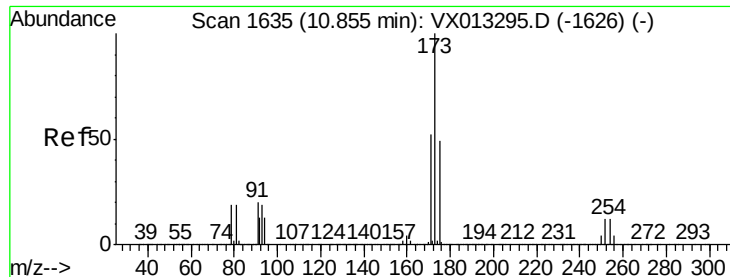


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

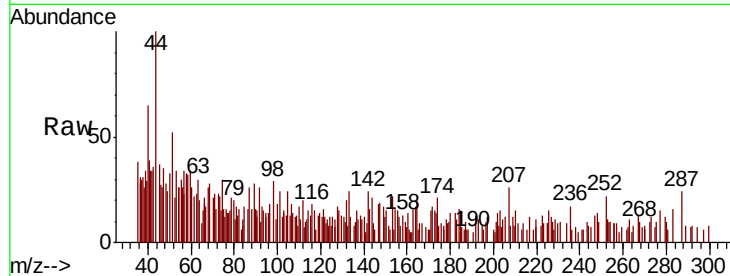




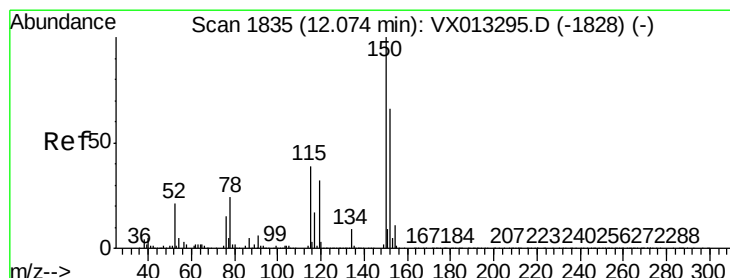
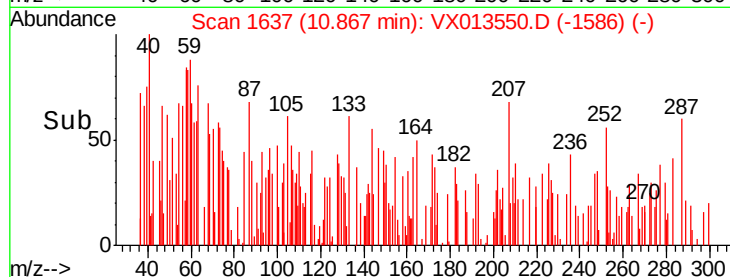
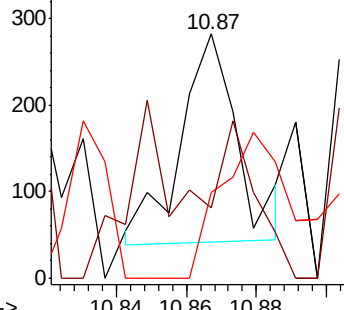
#71
Bromoform
Concen: 3.241 ug/l
RT: 10.87 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Instrument :
MSVOA_X
ClientSampled :
VX1122WBL03

Tot Ion:173 Resp: 270
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 88.1 0.2 0.2#

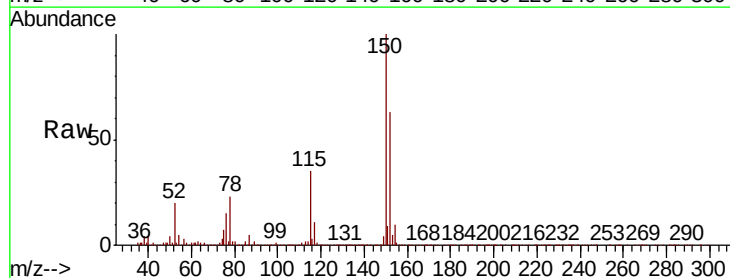


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

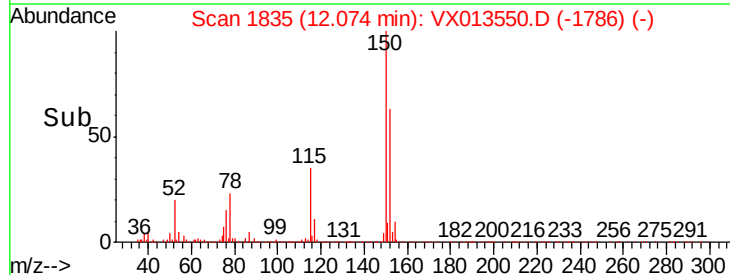
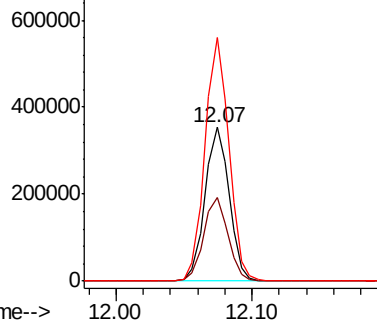


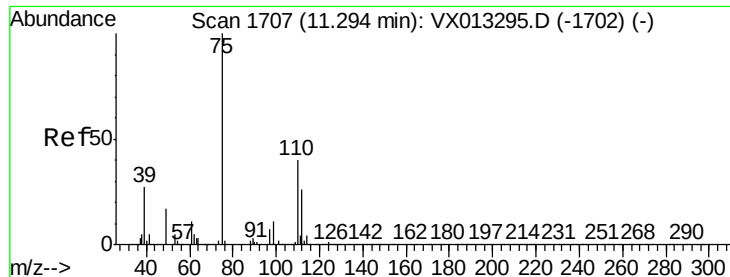
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013550.D
Acq: 22 Nov 2019 22:33

Tgt Ion:152 Resp: 437554
Ion Ratio Lower Upper
152 100
115 55.0 39.5 118.3
150 156.0 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

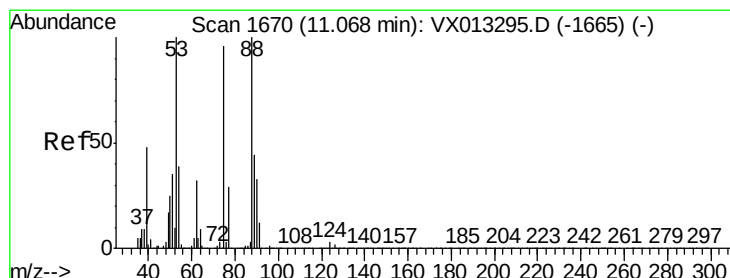
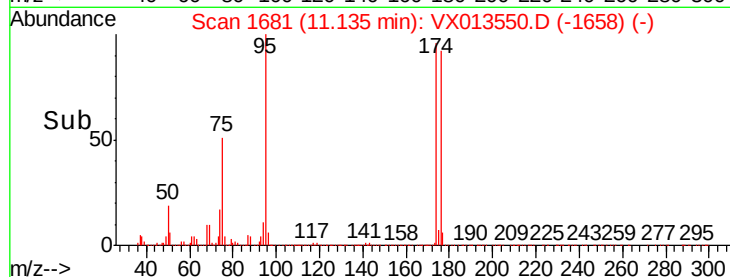
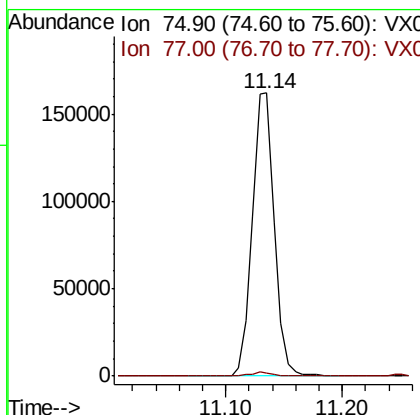
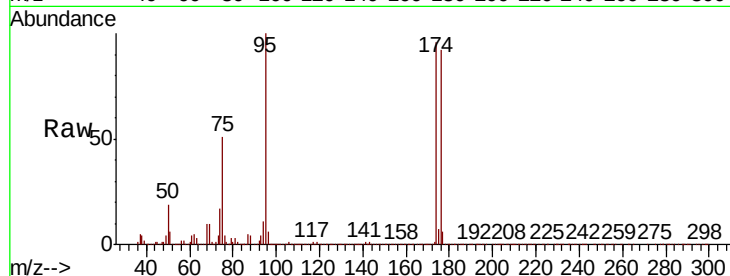




#76
 1,2,3-Trichloropropane
 Concen: 23.923 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBL03

Tot Ion: 75 Resp: 212610
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.577 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX013550.D
 Acq: 22 Nov 2019 22:33

Tgt Ion: 75 Resp: 212610
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.2 36.0 54.0#

