

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013481.D
 Acq On : 20 Nov 2019 16:45
 Operator : JC/SP
 Sample : K5958-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Nov 21 00:49:18 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	723570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1153163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1061097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	506294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	416458	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	5.49	113	346689	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	1394786	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.13	95	493982	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
6) Chloroethane	1.72	64	908	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	23145	10.244	ug/l #	72
16) Acetone	2.43	43	17104	4.000	ug/l	91
25) 2-Butanone	4.67	43	6753	1.077	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	4994	0.617	ug/l	84
28) Bromochloromethane	5.03	49	873	0.236	ug/l #	43
30) Chloroform	5.20	83	44201	3.437	ug/l	98
31) Cyclohexane	5.57	56	17273	1.474	ug/l #	95
36) 1,1-Dichloropropene	5.65	75	48670	4.920	ug/l #	52
38) Carbon Tetrachloride	5.65	117	61808	6.389	ug/l #	16
39) Methylcyclohexane	7.46	83	75591	6.132	ug/l	99
44) Trichloroethene	7.21	130	8773	1.034	ug/l	91
48) Methyl methacrylate	7.73	41	2386	0.251	ug/l #	27
49) 1,4-Dioxane	7.71	88	115	0.528	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	7918	0.634	ug/l #	36
55) 1,1,2-Trichloroethane	9.26	97	1599	0.202	ug/l #	32
56) Ethyl methacrylate	9.16	69	7910	2.130	ug/l #	16
59) 2-Hexanone	9.30	43	3669	0.380	ug/l	81
64) Tetrachloroethene	9.33	164	21132	2.782	ug/l #	84
67) Ethyl Benzene	10.25	91	7565898	204.063	ug/l	96
68) m/p-Xylenes	10.36	106	3471608	247.584	ug/l	96
69) o-Xylene	10.70	106	187181	13.635	ug/l	98
70) Styrene	10.70	104	10105	0.440	ug/l #	1
71) Bromoform	10.85	173	256	3.235	ug/l #	28
73) Isopropylbenzene	11.01	105	5801321	172.823	ug/l	98
74) N-amyl acetate	10.90	43	84888	5.453	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	62700	5.120	ug/l #	32
76) 1,2,3-Trichloropropane	11.35	75	75501	7.342	ug/l #	1
78) n-propylbenzene	11.35	91	11466846	306.659	ug/l	92
79) 2-Chlorotoluene	11.43	91	2201727	97.728	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.50	105	12255614	438.320	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.01	75	65660	16.435	ug/l #	72
82) 4-Chlorotoluene	11.51	91	1533087	58.132	ug/l #	44
83) tert-Butylbenzene	11.77	119	522688	18.571	ug/l	87

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 QLast Update : Sat Nov 02 07:06:38 2019
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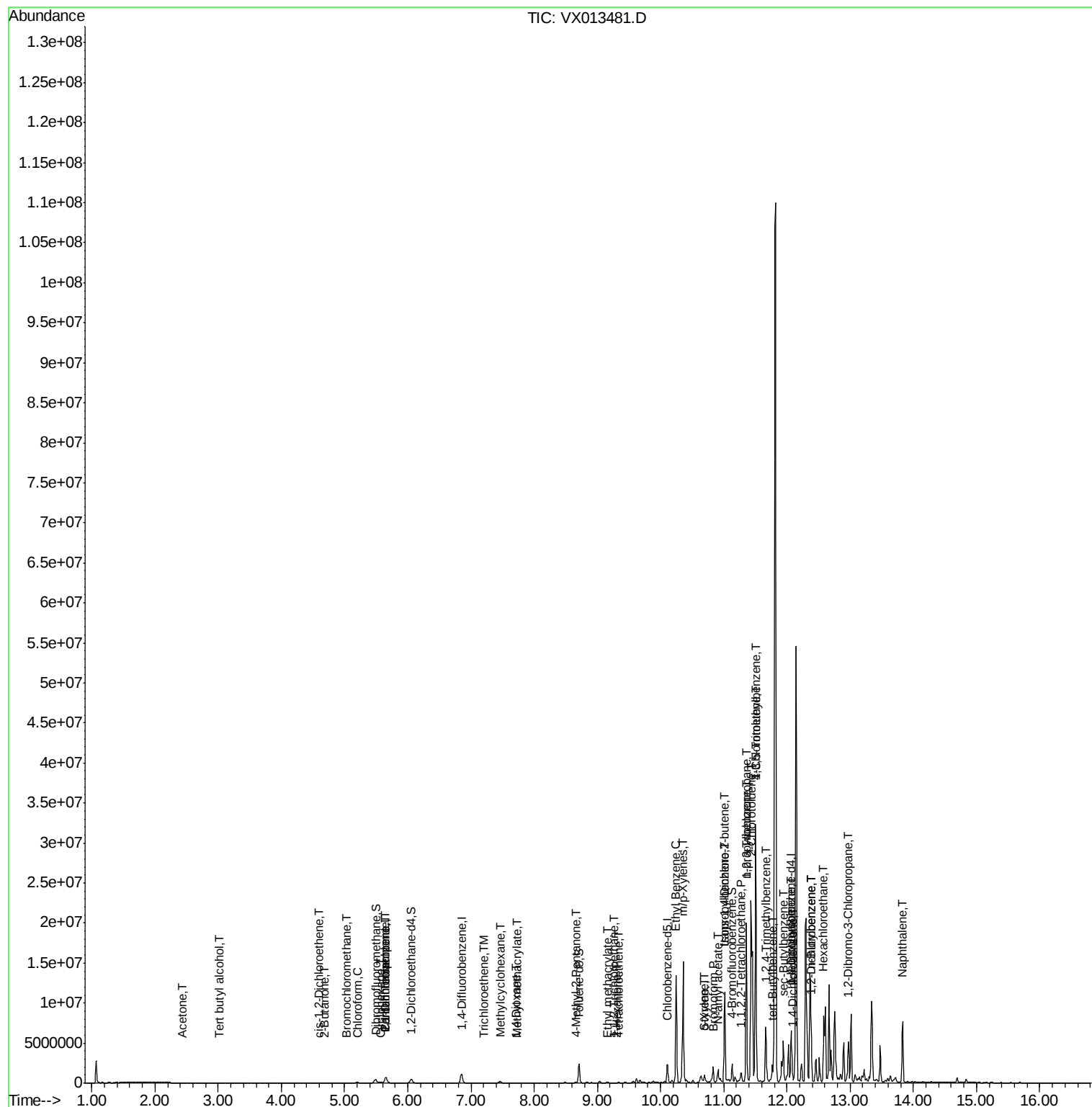
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.67	105	3062005	109.169	ug/l	78
85) sec-Butylbenzene	11.94	105	2661772	82.285	ug/l #	77
86) p-Isopropyltoluene	12.06	119	2527789	84.862	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	11458	0.705	ug/l #	67
89) n-Butylbenzene	12.39	91	2527535	97.245	ug/l #	42
90) Hexachloroethane	12.58	117	336159	63.340	ug/l #	6
91) 1,2-Dichlorobenzene	12.39	146	3494	0.219	ug/l #	34
92) 1,2-Dibromo-3-Chloropropan	12.98	75	16459	5.517	ug/l #	1
95) Naphthalene	13.83	128	4579732	131.239	ug/l	99

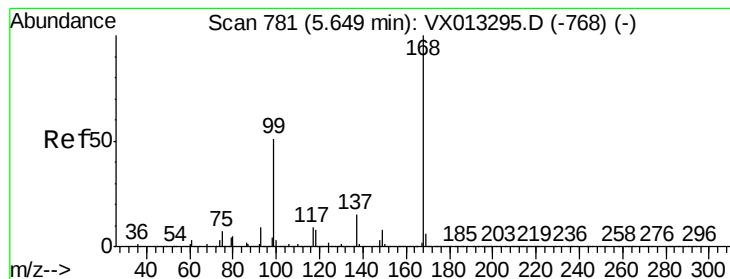
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

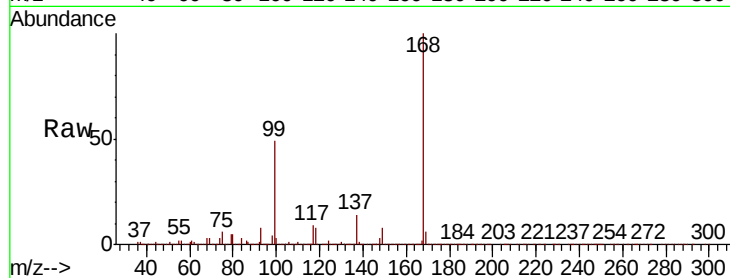
MW-4

Tot Ion:168 Resp: 723570

Ion Ratio Lower Upper

168 100

99 48.6 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

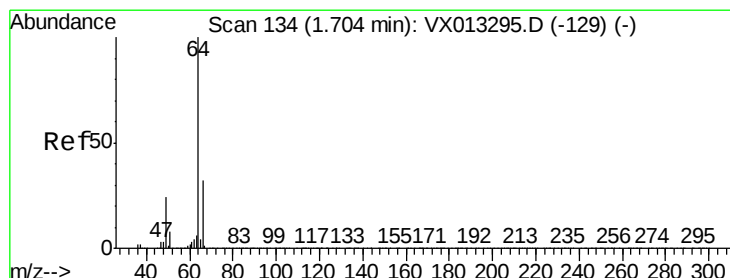
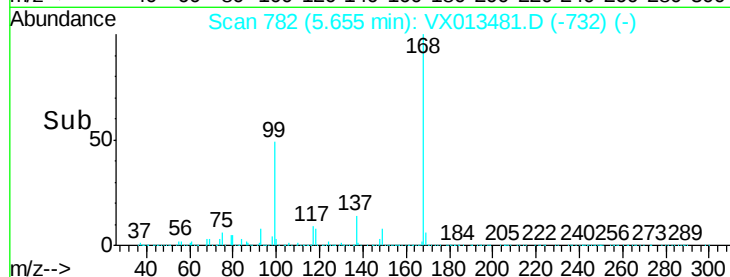
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013481.D

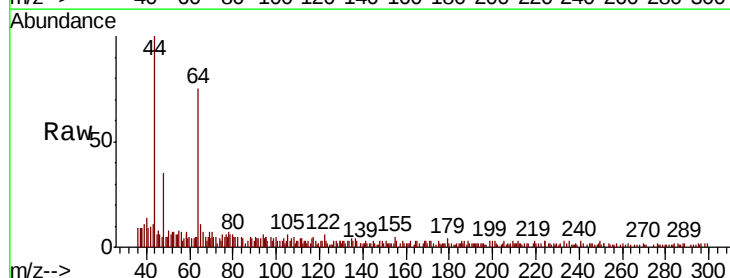
Acq: 20 Nov 2019 16:45

Tgt Ion: 64 Resp: 908

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

5000

4000

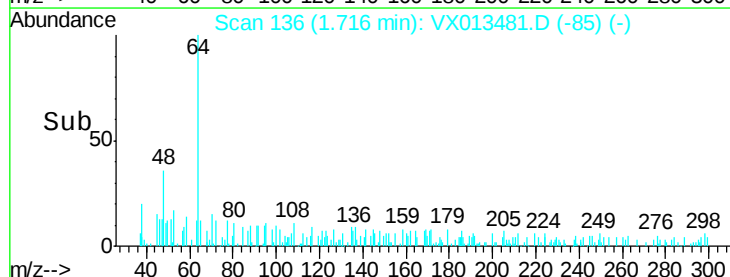
3000

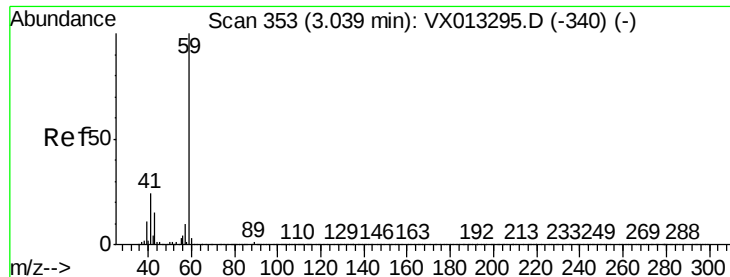
2000

1000

0

Time-->

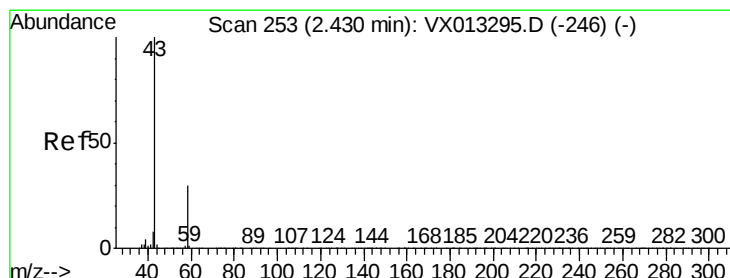
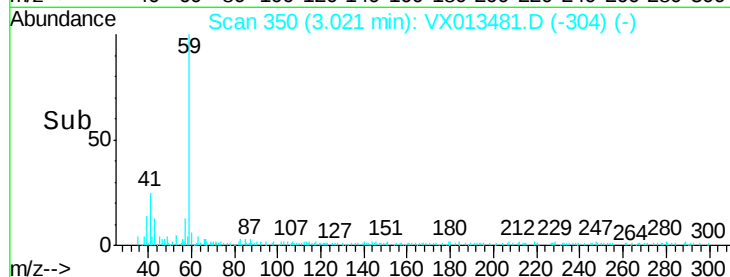
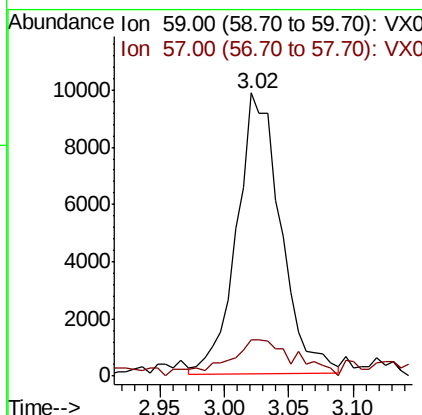
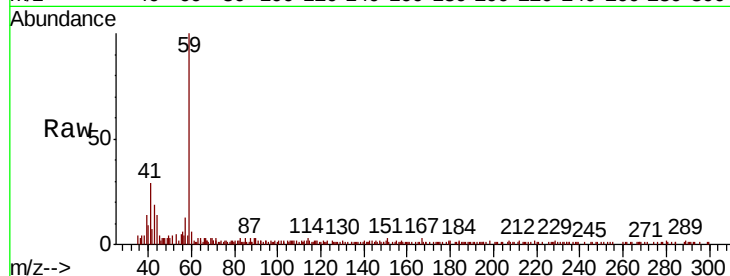




#11
Tert butyl alcohol
Concen: 10.244 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

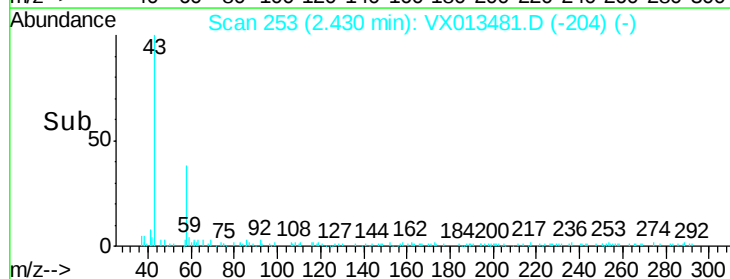
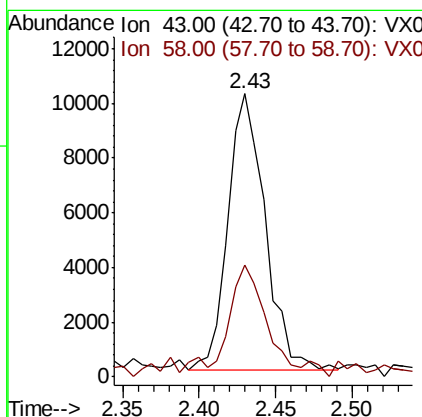
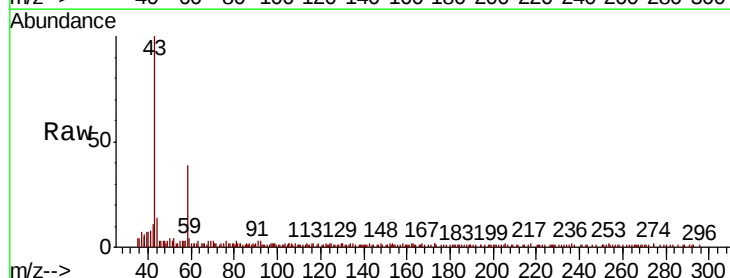
Instrument :
MSVOA_X
ClientSampleId :
MW-4

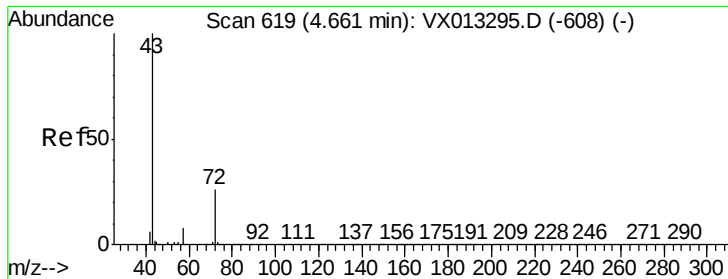
Tot Ion: 59 Resp: 23145
Ion Ratio Lower Upper
59 100
57 20.2 8.0 12.0#



#16
Acetone
Concen: 4.000 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion: 43 Resp: 17104
Ion Ratio Lower Upper
43 100
58 35.3 24.3 36.5





#25

2-Butanone

Concen: 1.077 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

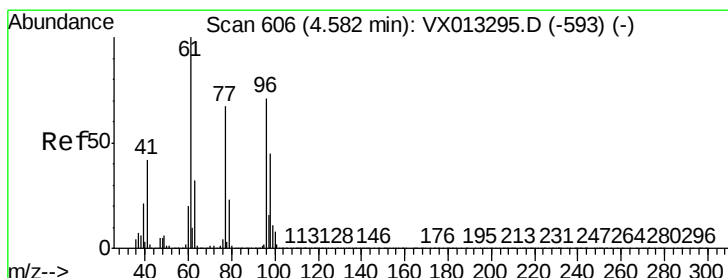
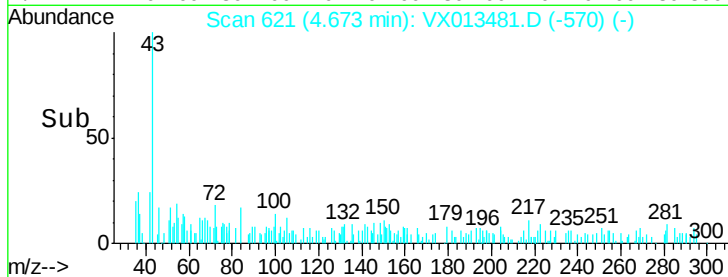
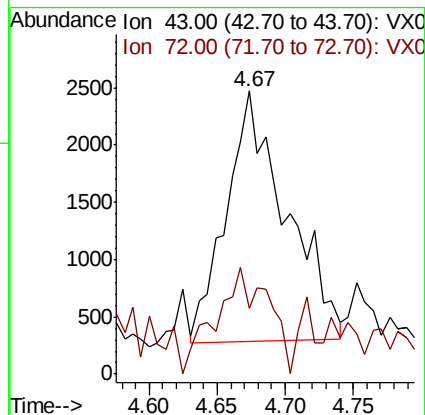
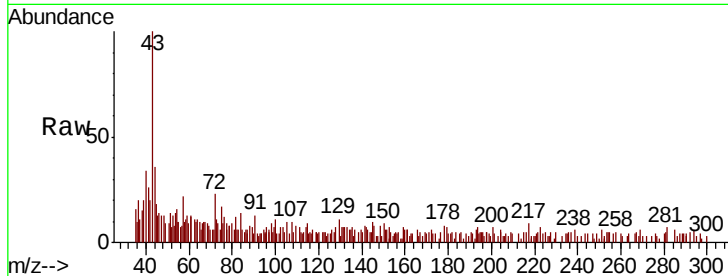
MW-4

Tot Ion: 43 Resp: 6753

Ion Ratio Lower Upper

43 100

72 16.6 21.0 31.6#



#27

cis-1,2-Dichloroethene

Concen: 0.617 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

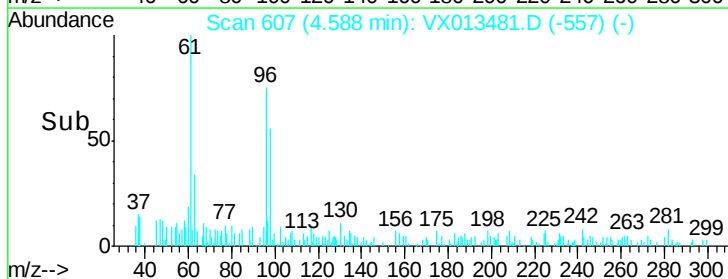
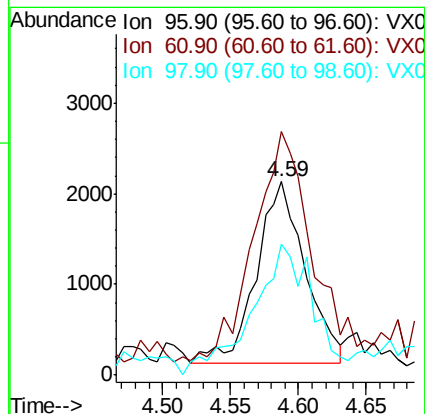
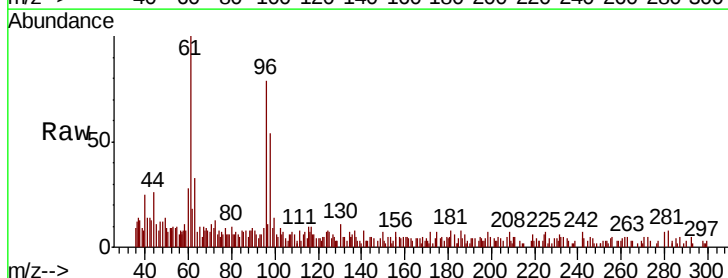
Tgt Ion: 96 Resp: 4994

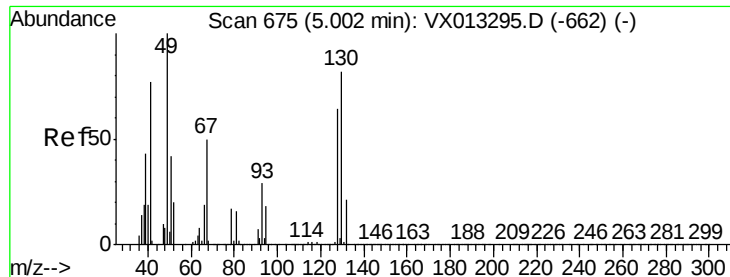
Ion Ratio Lower Upper

96 100

61 154.8 0.0 288.0

98 89.4 0.0 129.6

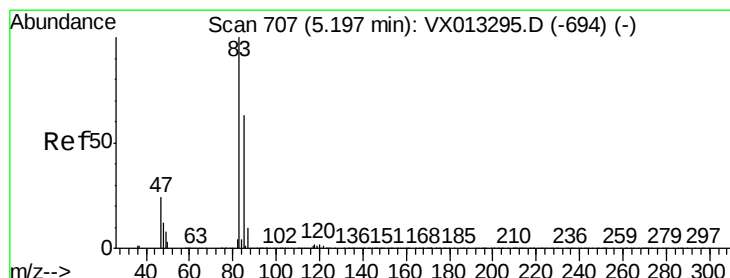
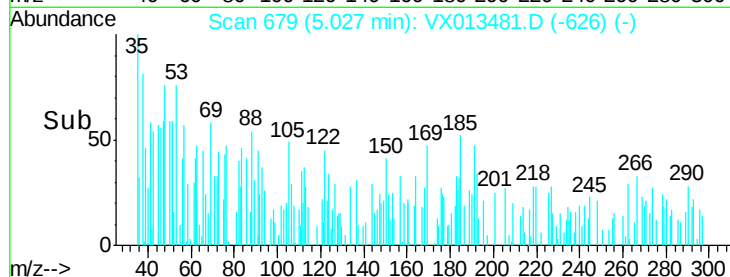
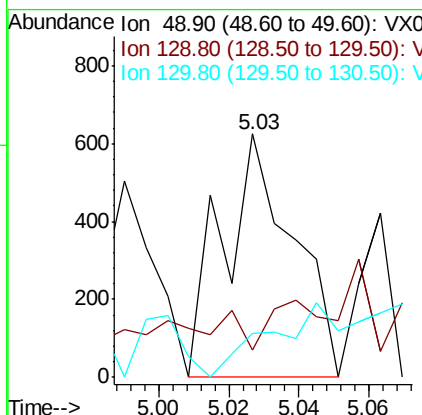
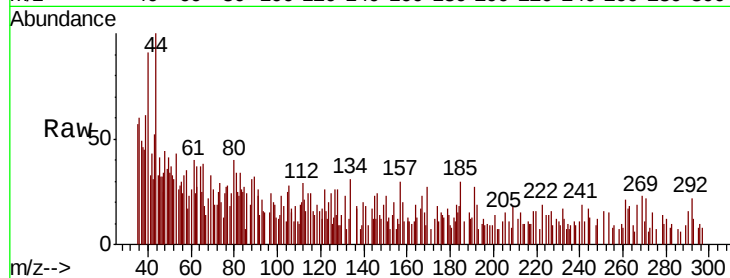




#28
Bromochloromethane
Concen: 0.236 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

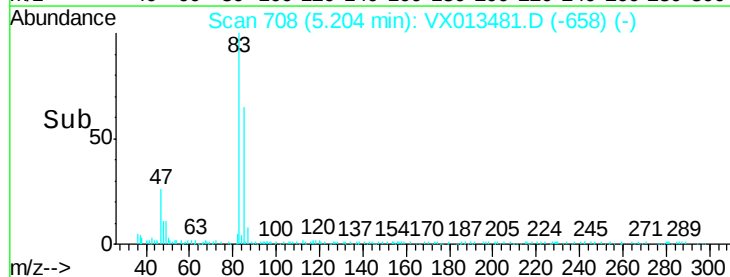
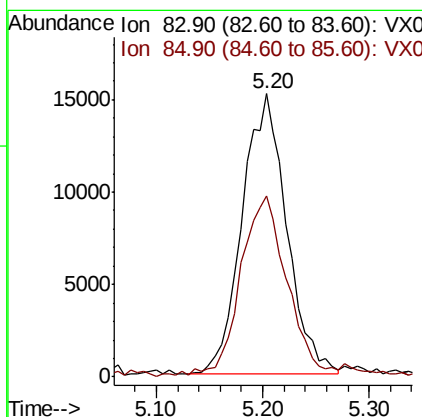
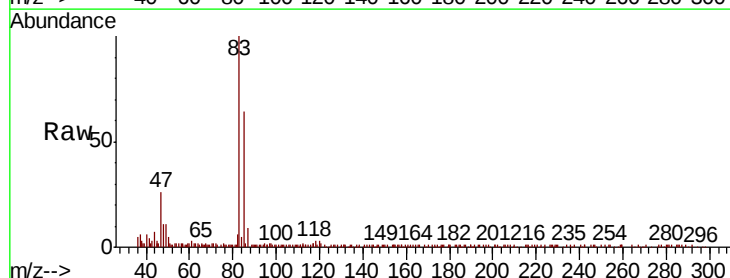
Instrument :
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ClientSampleId :
MW-4

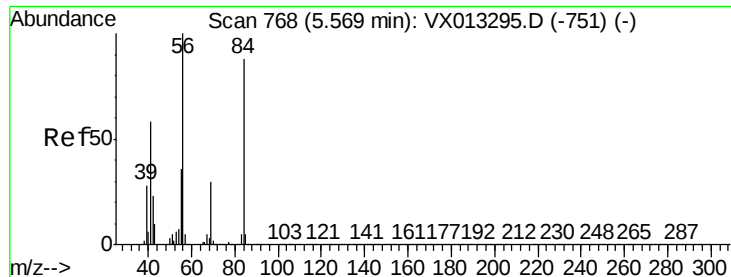
Tot Ion: 49 Resp: 873
Ion Ratio Lower Upper
49 100
129 16.5 0.0 5.2#
130 29.2 63.8 95.6#



#30
Chloroform
Concen: 3.437 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion: 83 Resp: 44201
Ion Ratio Lower Upper
83 100
85 64.1 50.2 75.4

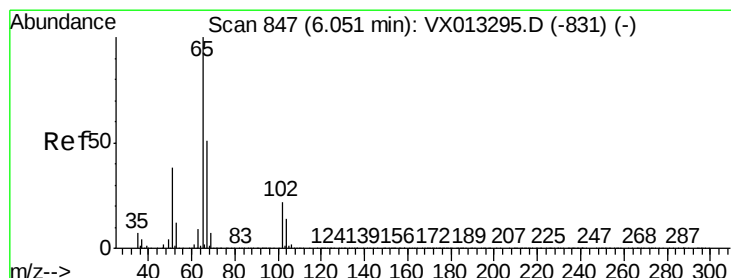
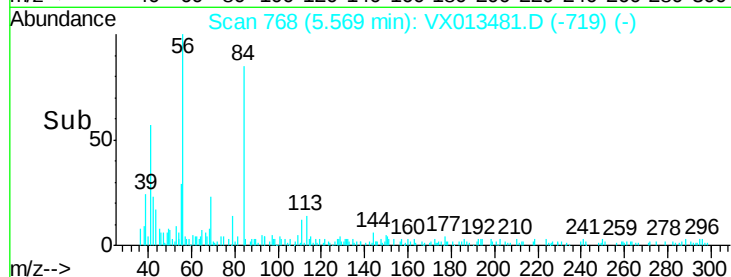
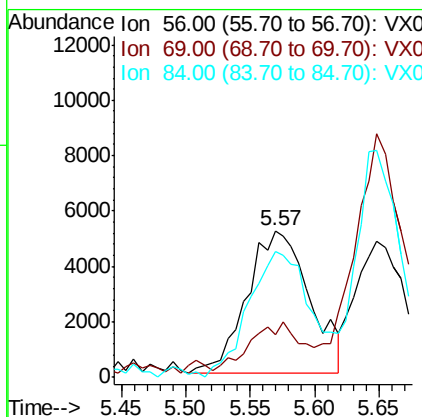
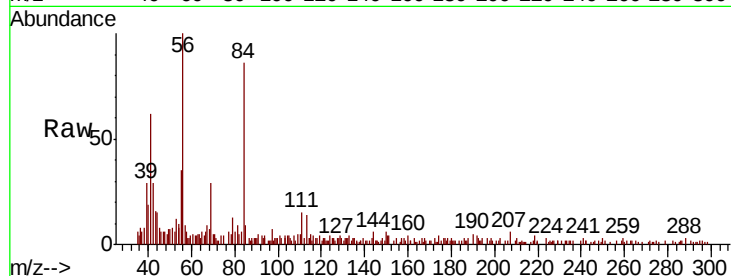




#31
Cyclohexane
Concen: 1.474 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

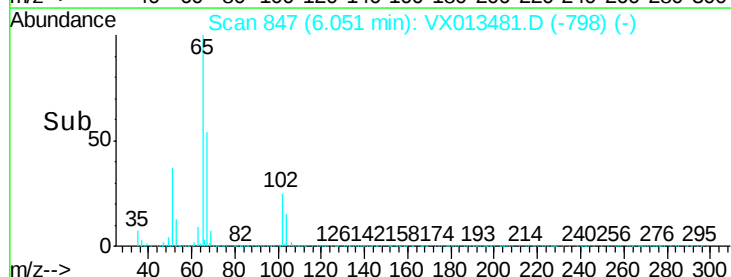
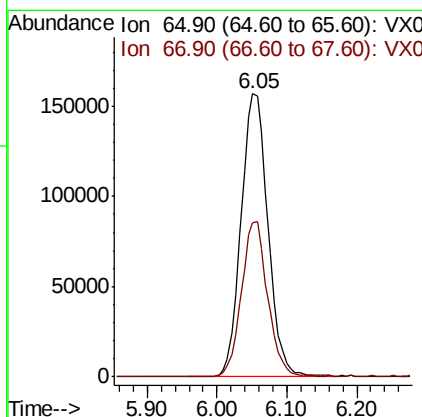
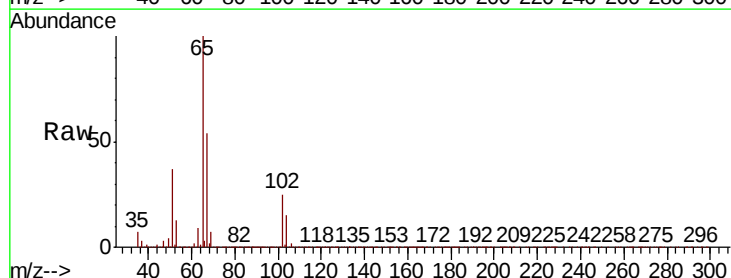
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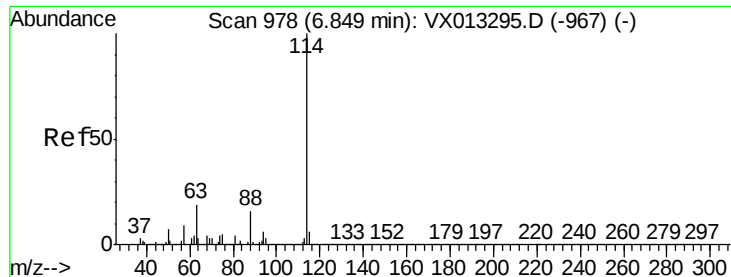
Tot Ion: 56 Resp: 17273
Ion Ratio Lower Upper
56 100
69 22.1 23.7 35.5#
84 86.1 70.6 105.8



#33
1,2-Dichloroethane-d4
Concen: 48.583 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion: 65 Resp: 416458
Ion Ratio Lower Upper
65 100
67 53.4 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: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

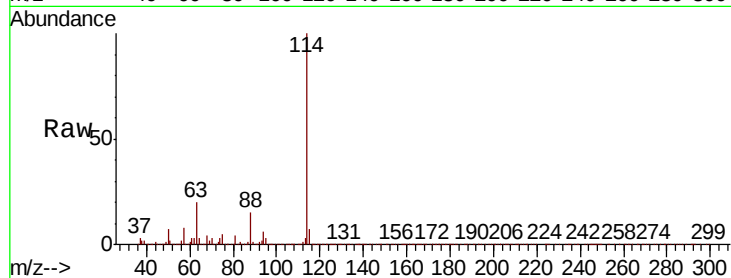
Tot Ion:114 Resp: 1153163

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

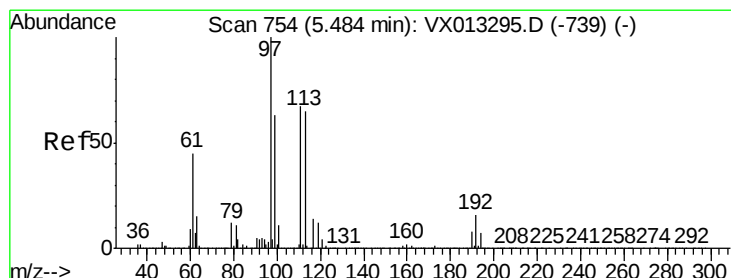
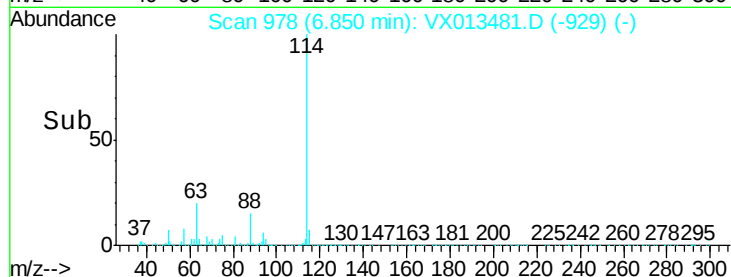
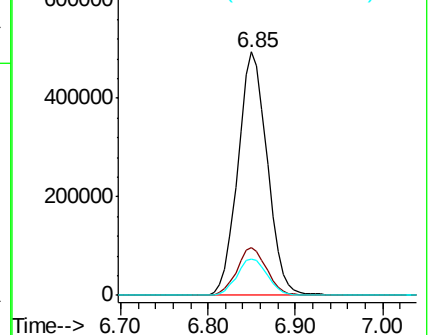
88 15.0 0.0 32.2



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: 47.933 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

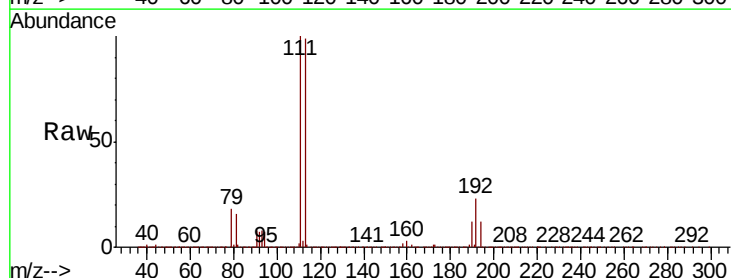
Tgt Ion:113 Resp: 346689

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

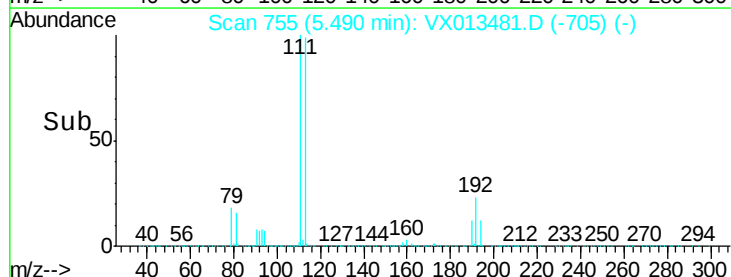
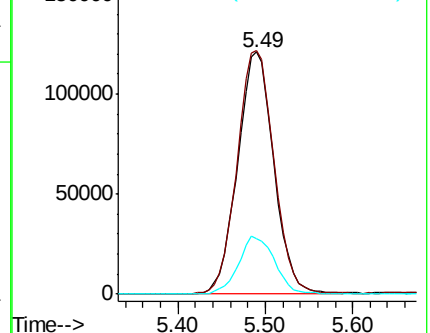
192 23.9 19.1 28.7

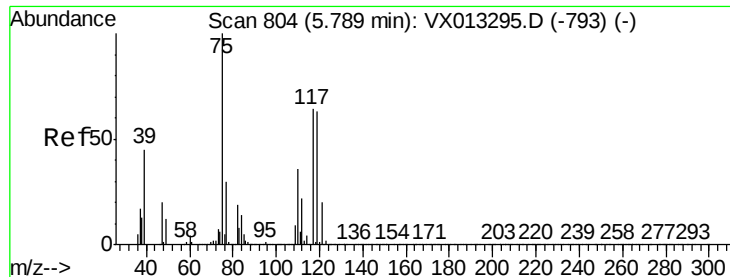


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

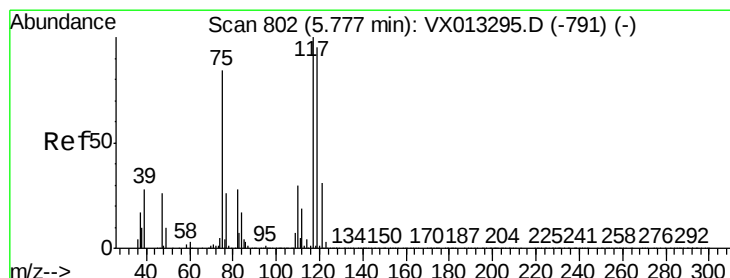
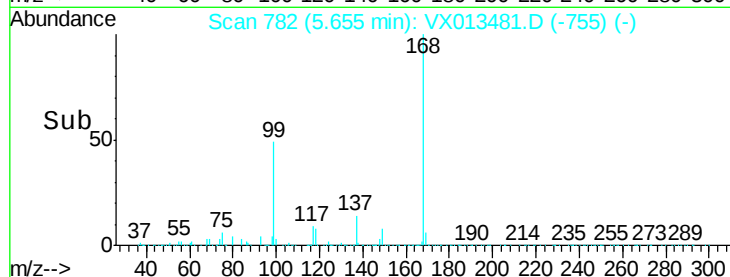
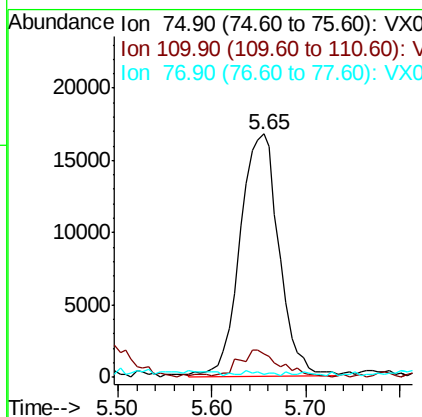
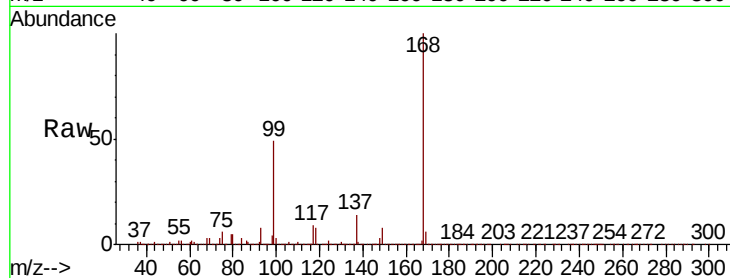




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

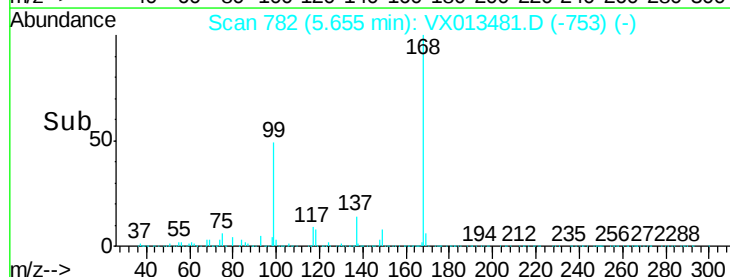
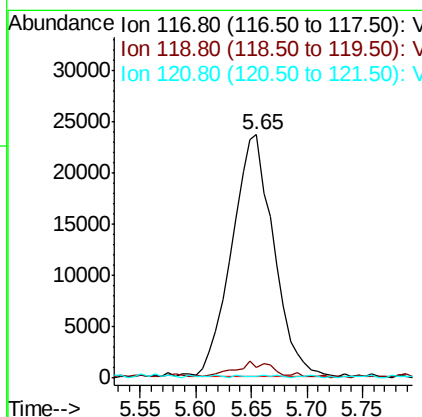
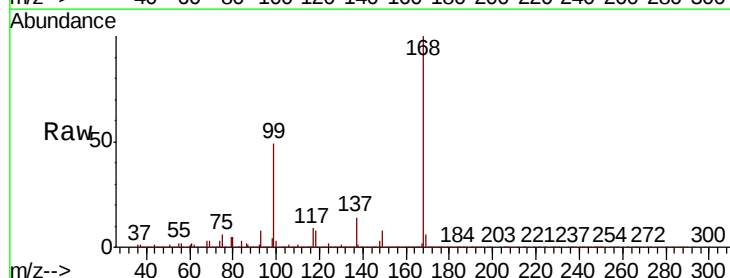
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

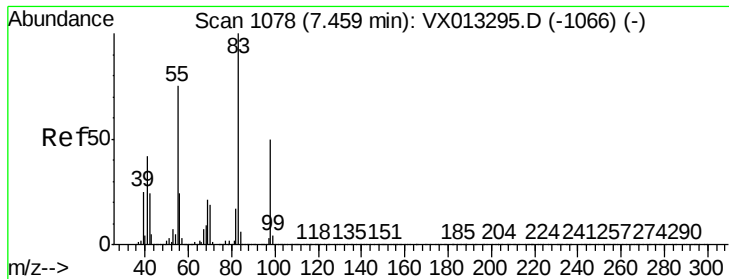
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.1	54.1#
77	0.5	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.389 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.1	114.1#
121	0.4	24.6	37.0#

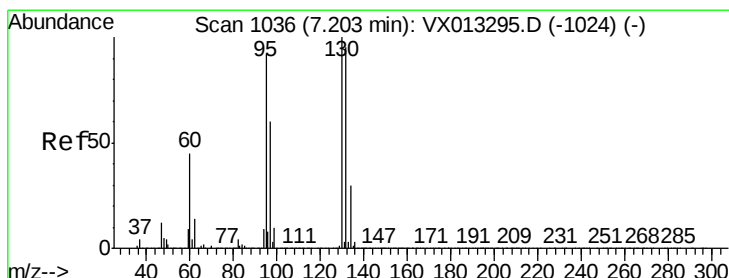
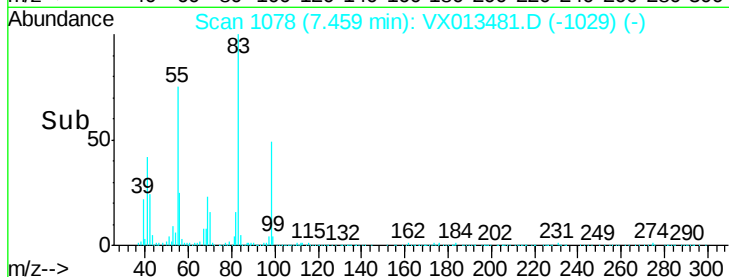
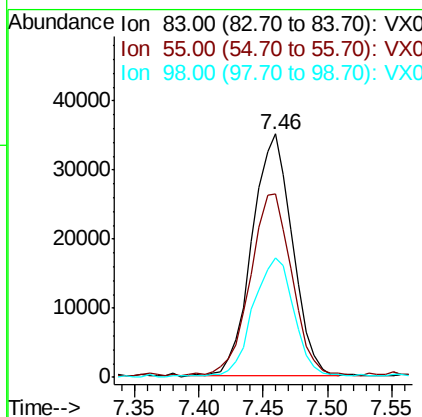
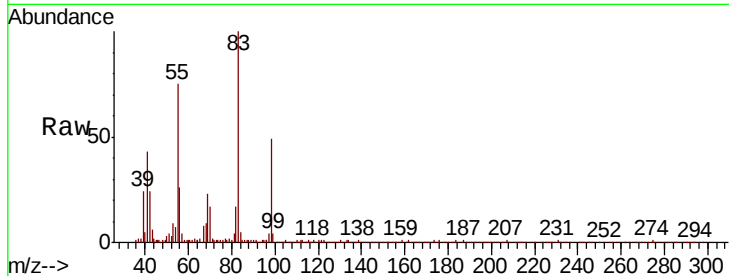




#39
Methvlcvclohexane
Concen: 6.132 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

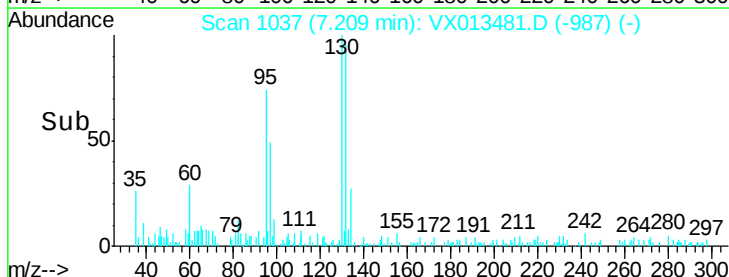
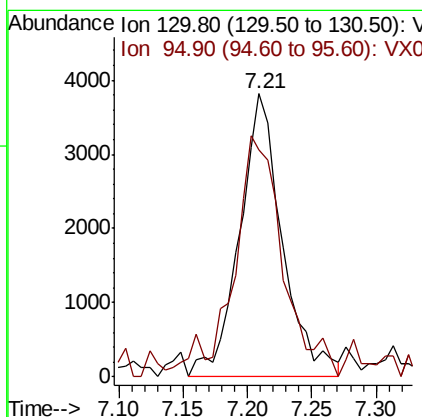
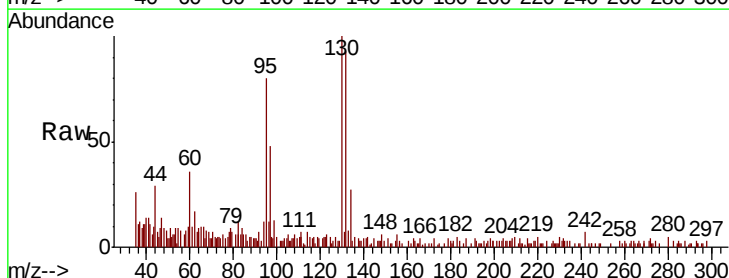
Instrument :
MSVOA_X
ClientSampleId :
MW-4

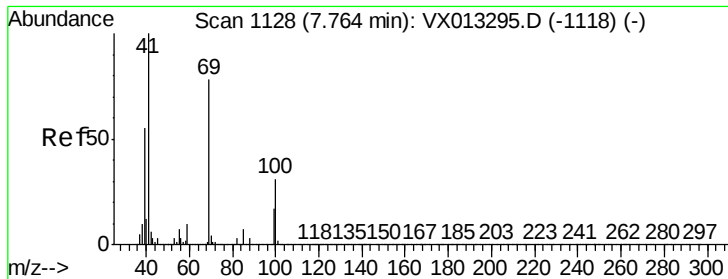
Tot Ion: 83 Resp: 75591
Ion Ratio Lower Upper
83 100
55 74.7 60.3 90.5
98 49.1 40.3 60.5



#44
Trichloroethene
Concen: 1.034 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion:130 Resp: 8773
Ion Ratio Lower Upper
130 100
95 83.4 0.0 184.8

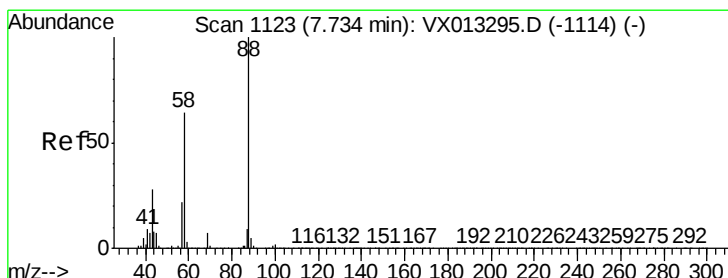
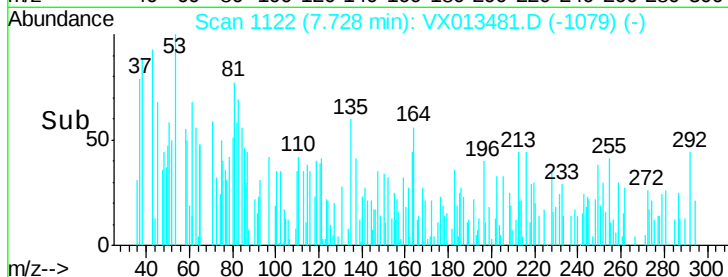
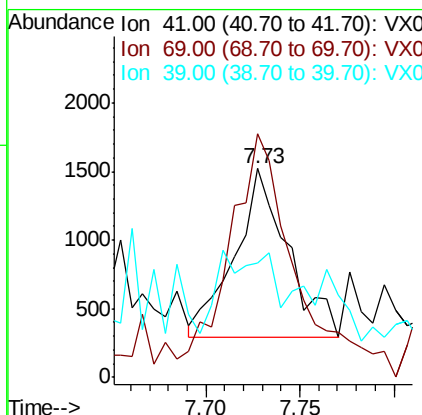
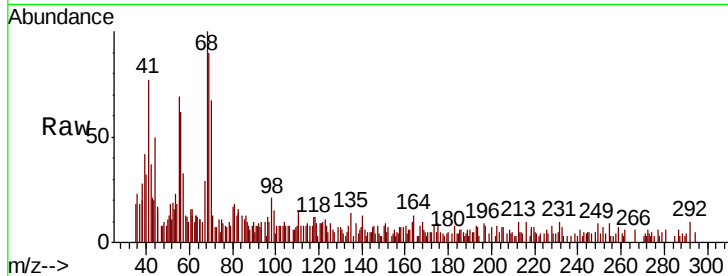




#48
Methvl methacrylate
Concen: 0.251 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

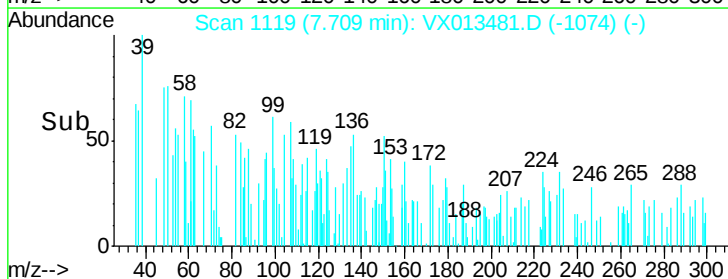
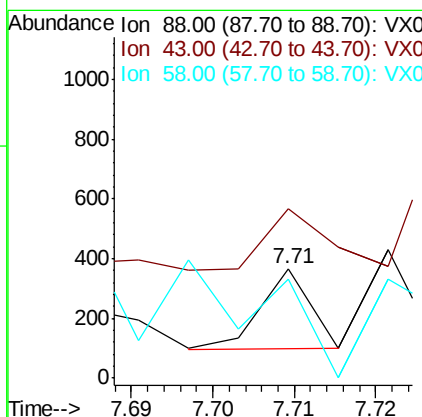
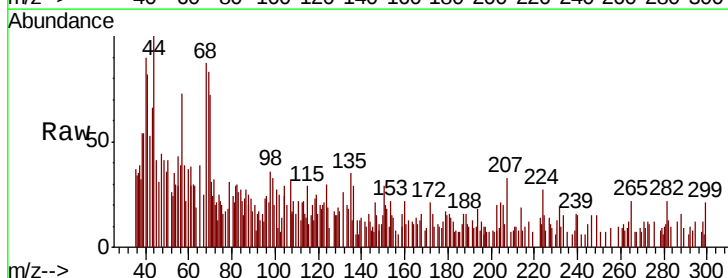
Instrument :
MSVOA_X
ClientSampled :
MW-4

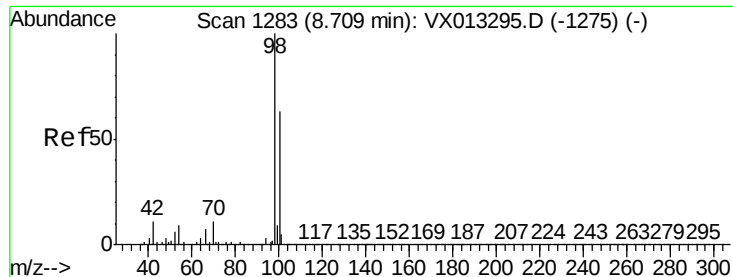
Tot Ion: 41 Resp: 2386
Ion Ratio Lower Upper
41 100
69 183.2 63.0 94.6#
39 50.9 45.9 68.9



#49
1,4-Dioxane
Concen: 0.528 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 308.7 26.6 39.8#
58 183.5 55.0 82.6#





#50

Toluene-d8

Concen: 51.153 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

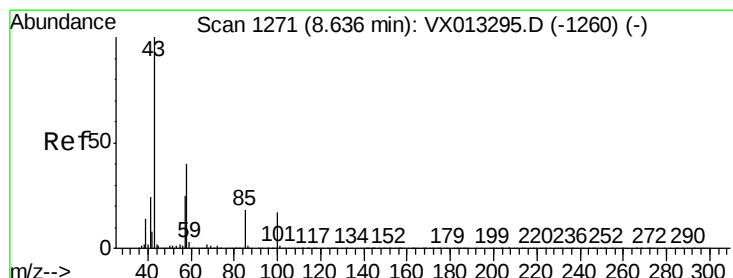
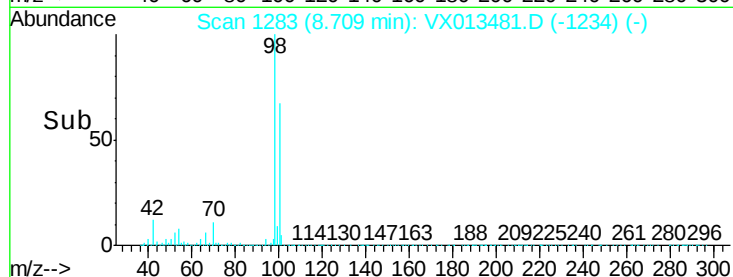
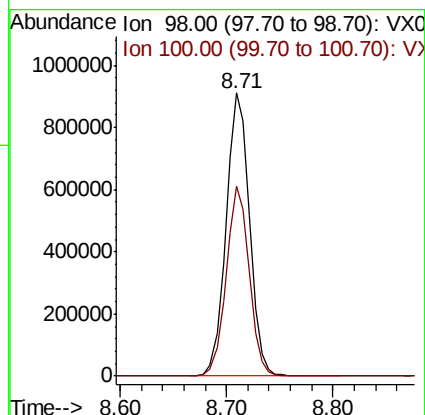
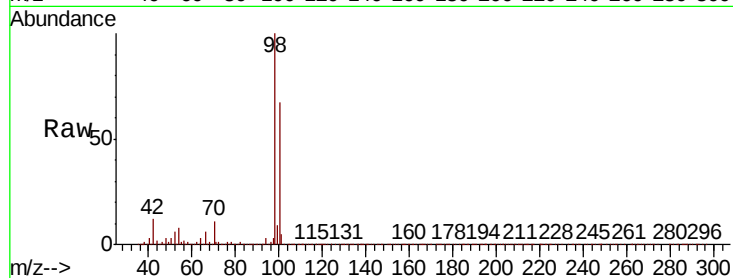
MW-4

Tot Ion: 98 Resp: 1394786

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 8.66 min Scan# 1275

Delta R.T. 0.02 min

Lab File: VX013481.D

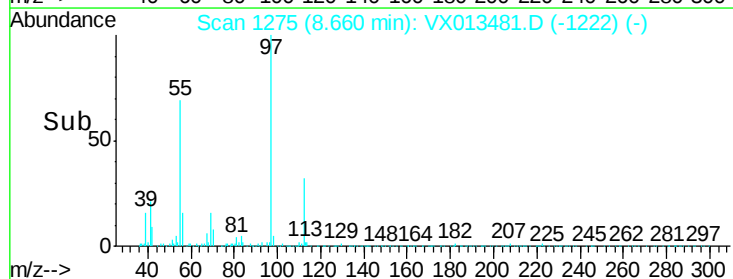
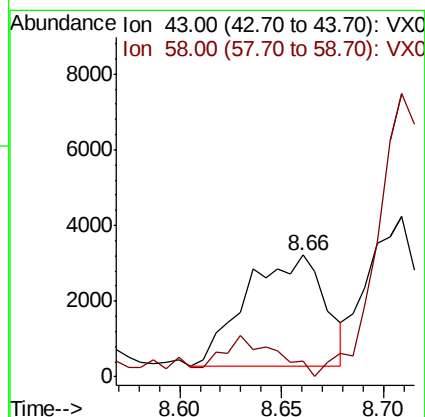
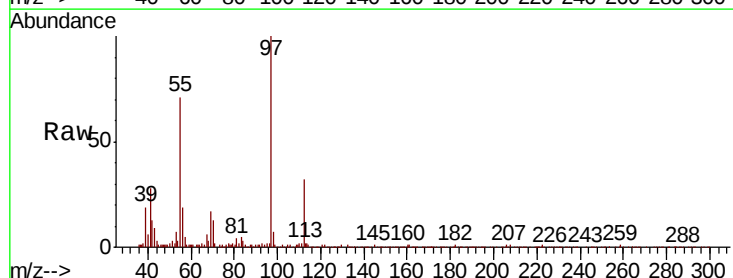
Acq: 20 Nov 2019 16:45

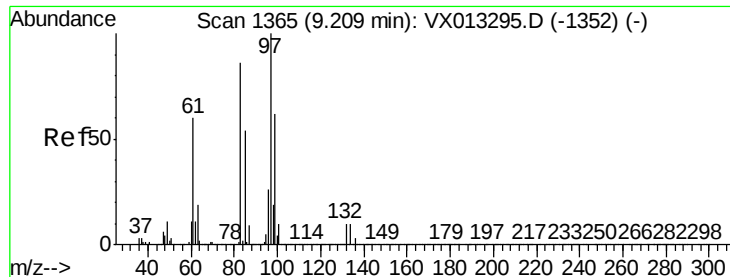
Tgt Ion: 43 Resp: 7918

Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.0#





#55

1,1,2-Trichloroethane

Concen: 0.202 ug/l

RT: 9.26 min Scan# 1373

Delta R.T. 0.05 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tot Ion: 97 Resp: 1599

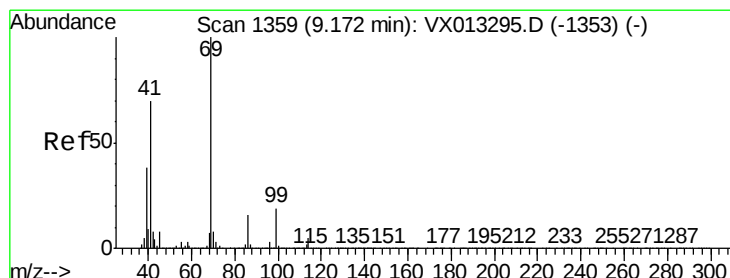
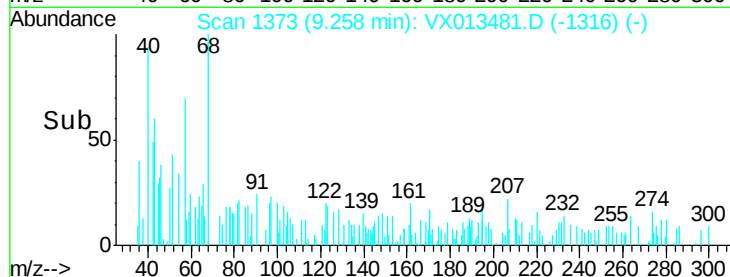
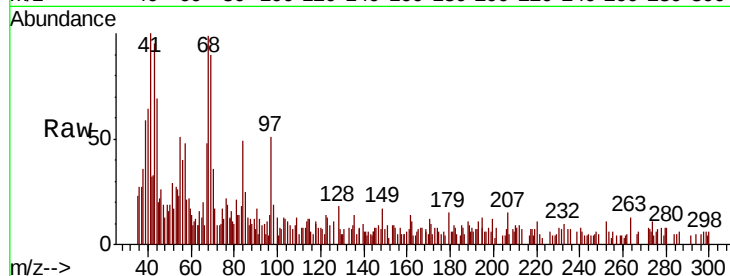
Ion Ratio Lower Upper

97 100

83 0.0 68.6 103.0#

85 63.3 43.1 64.7

99 0.0 49.4 74.0#



#56

Ethyl methacrylate

Concen: 2.130 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

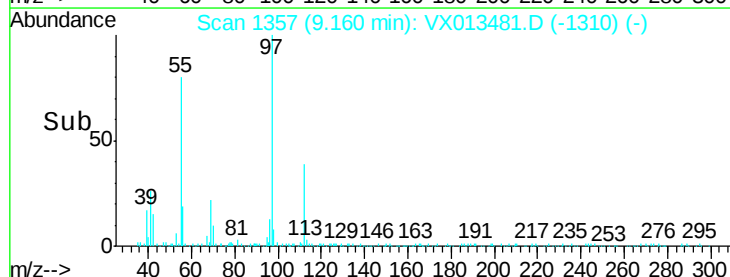
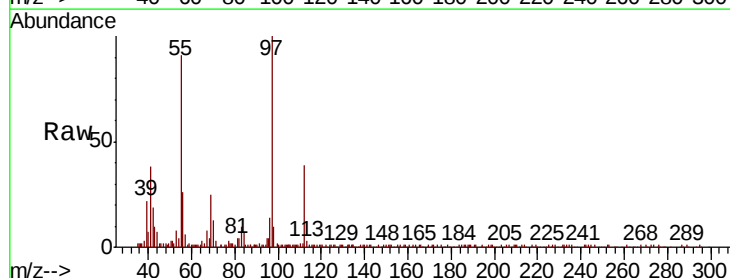
Tgt Ion: 69 Resp: 7910

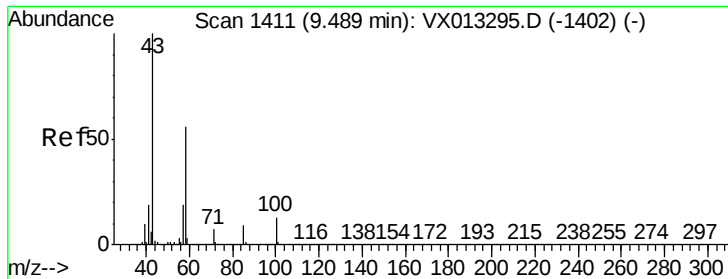
Ion Ratio Lower Upper

69 100

41 135.9 56.2 84.2#

39 95.0 31.1 46.7#

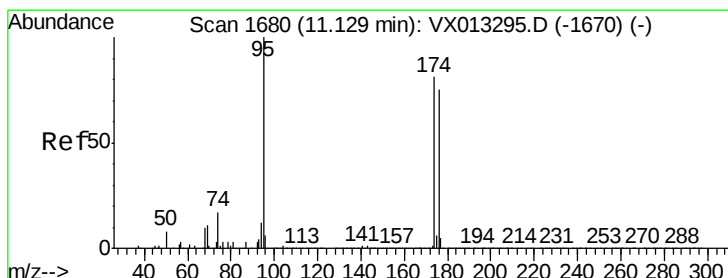
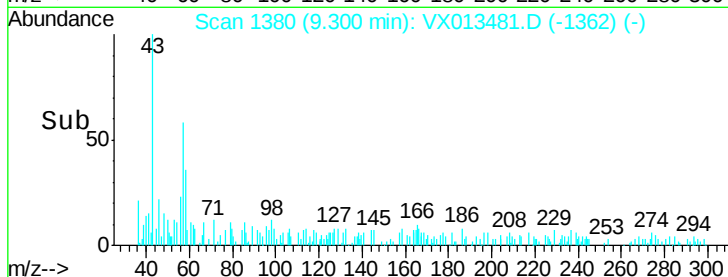
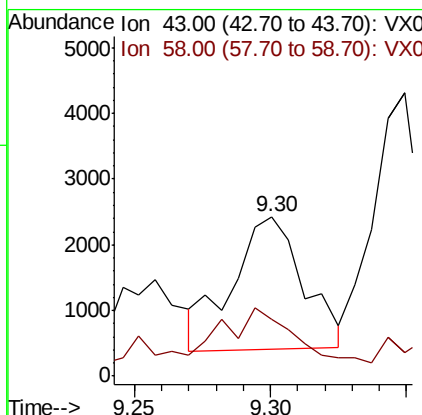
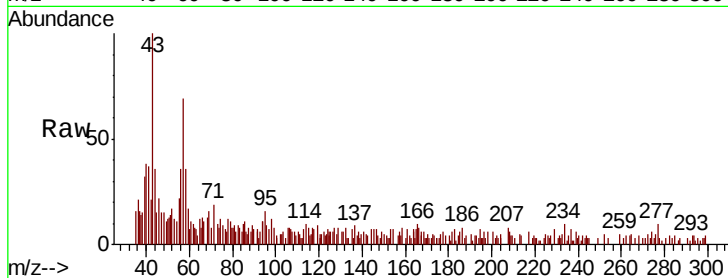




#59
2-Hexanone
Concen: 0.380 ug/l
RT: 9.30 min Scan# 1380
Delta R.T. -0.19 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

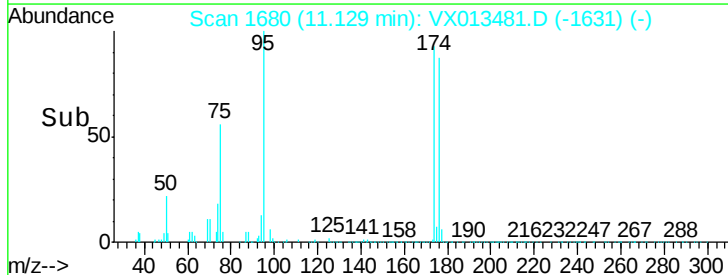
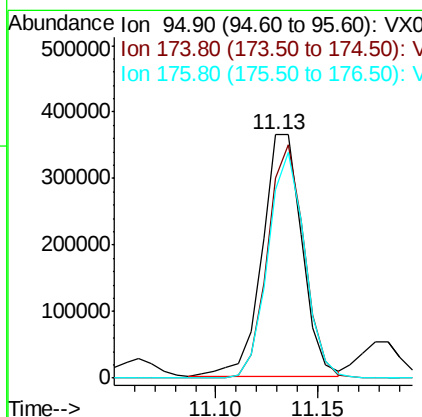
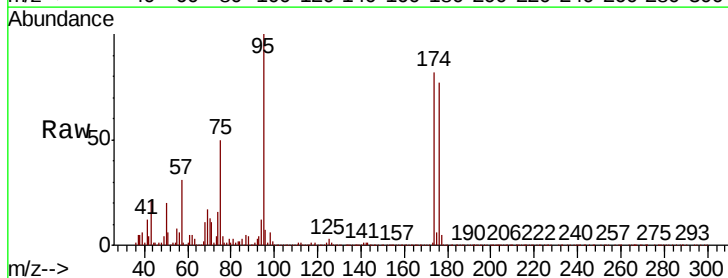
Instrument :
MSVOA_X
ClientSampleID :
MW-4

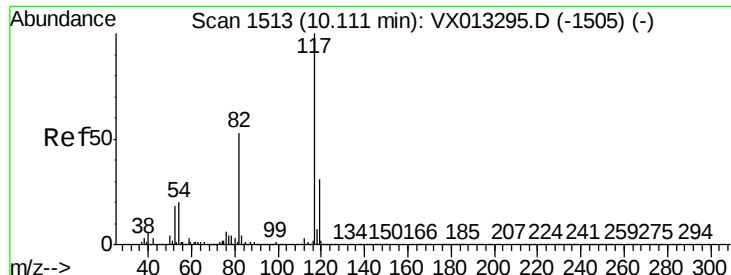
Tot Ion: 43 Resp: 3669
Ion Ratio Lower Upper
43 100
58 40.8 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion: 95 Resp: 493982
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.8
176 86.4 0.0 173.0

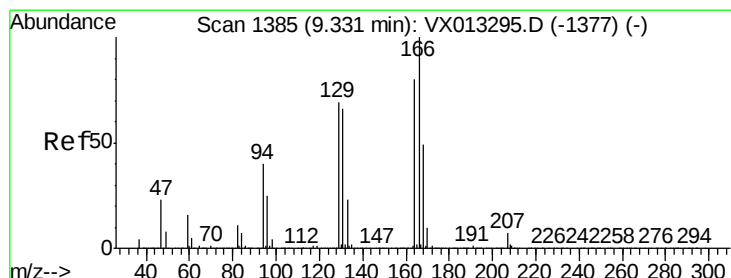
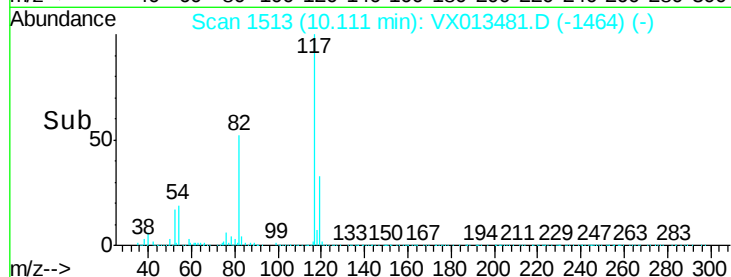
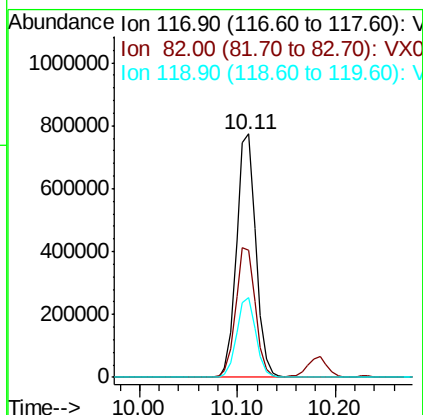
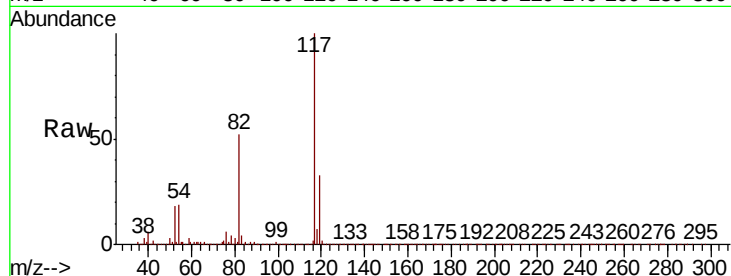




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

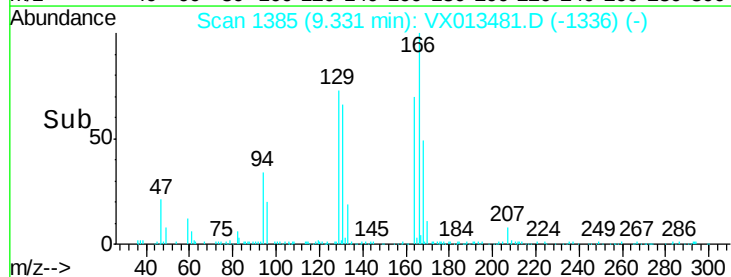
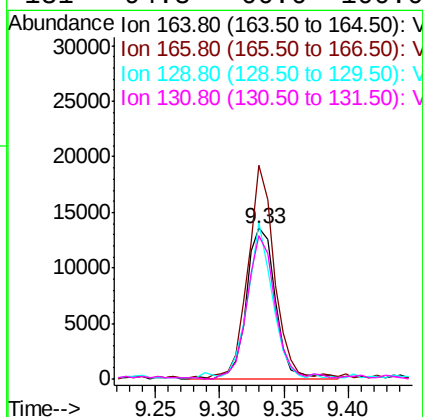
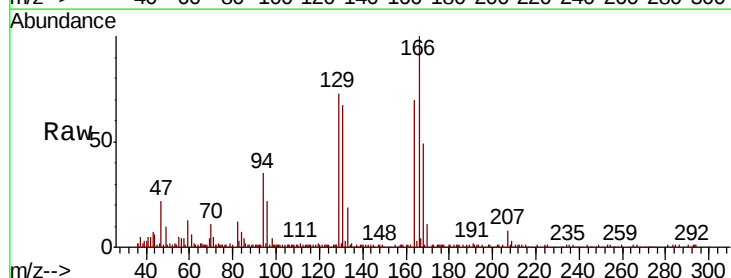
Instrument :
MSVOA_X
ClientSampled :
MW-4

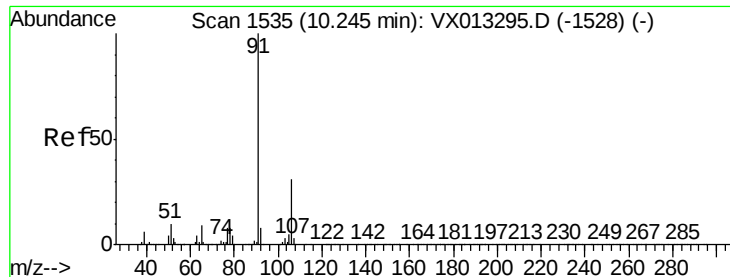
Tot Ion:117 Resp: 1061097
Ion Ratio Lower Upper
117 100
82 51.8 42.6 64.0
119 32.8 24.8 37.2



#64
Tetrachloroethene
Concen: 2.782 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion:164 Resp: 21132
Ion Ratio Lower Upper
164 100
166 142.6 100.4 150.6
129 104.3 69.4 104.2#
131 94.8 66.6 100.0





#67

Ethyl Benzene

Concen: 204.063 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

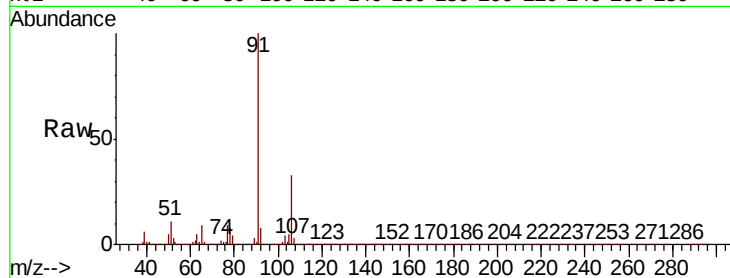
MW-4

Tot Ion: 91 Resp: 7565898

Ion Ratio Lower Upper

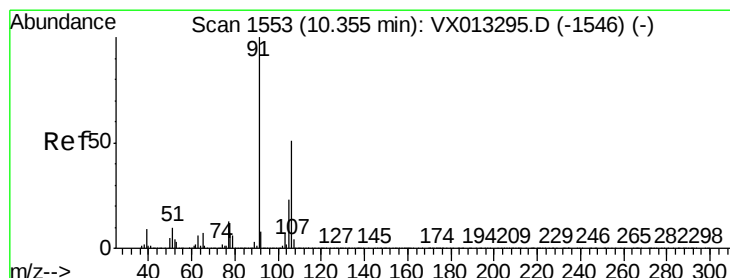
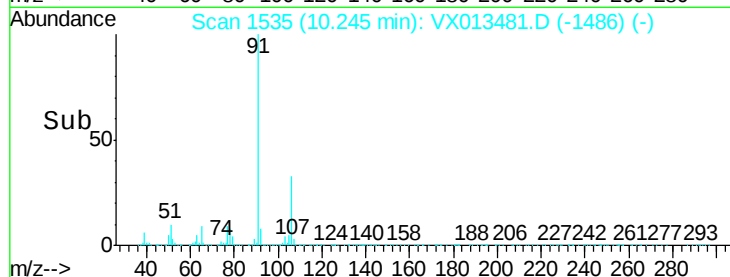
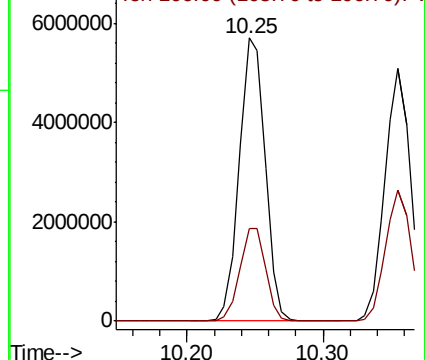
91 100

106 32.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 247.584 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013481.D

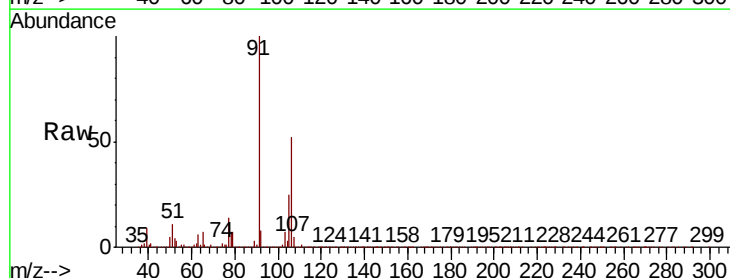
Acq: 20 Nov 2019 16:45

Tgt Ion: 106 Resp: 3471608

Ion Ratio Lower Upper

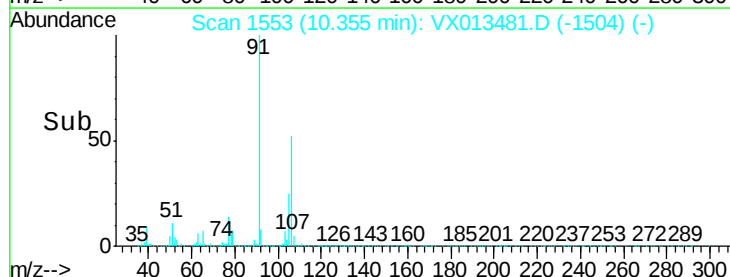
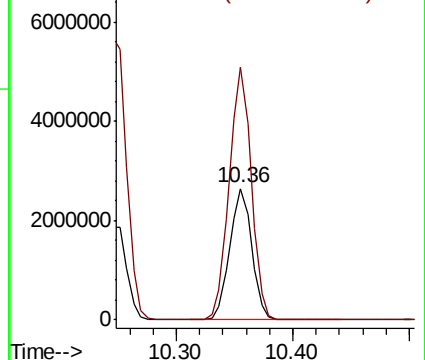
106 100

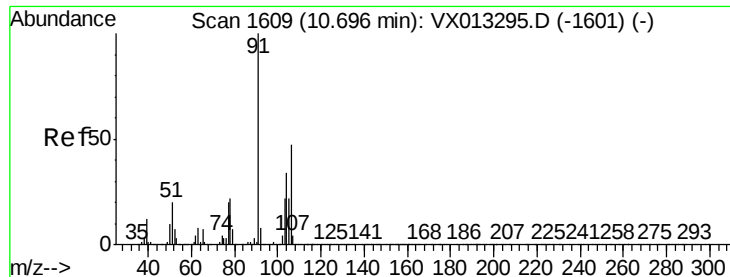
91 193.4 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

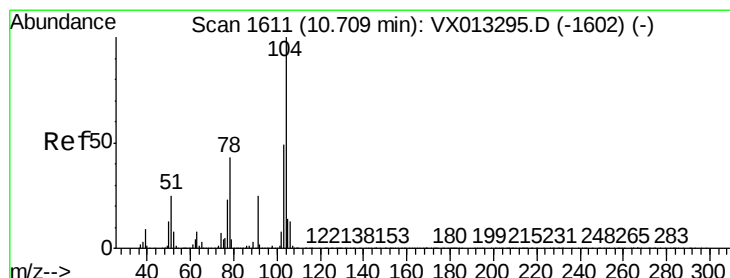
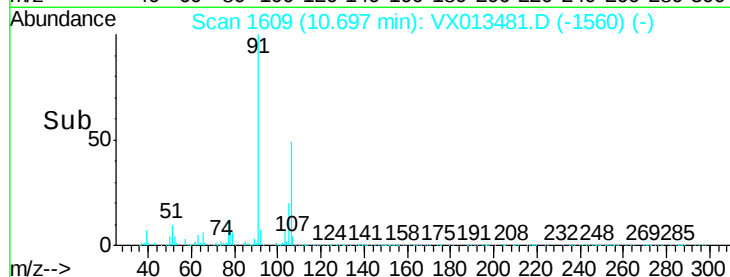
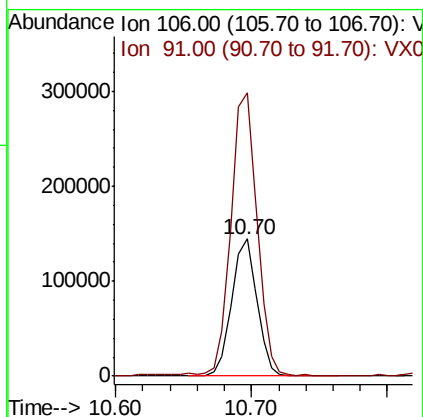
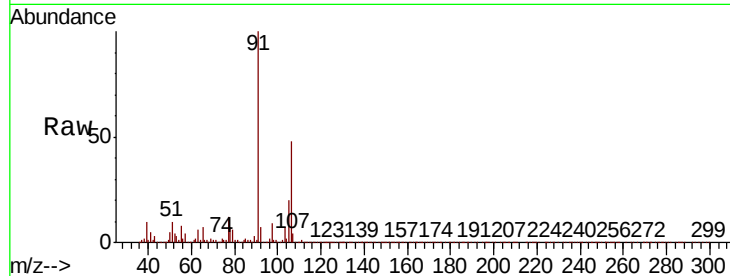




#69
o-Xylene
Concen: 13.635 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

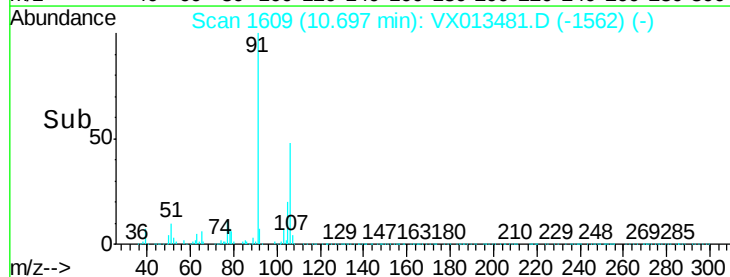
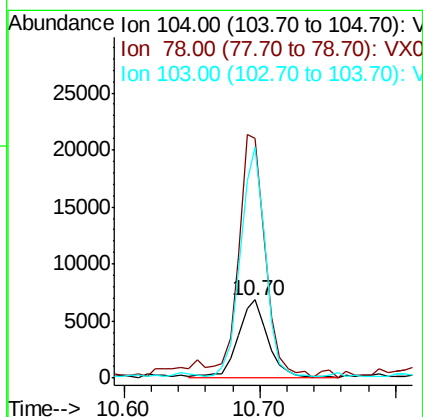
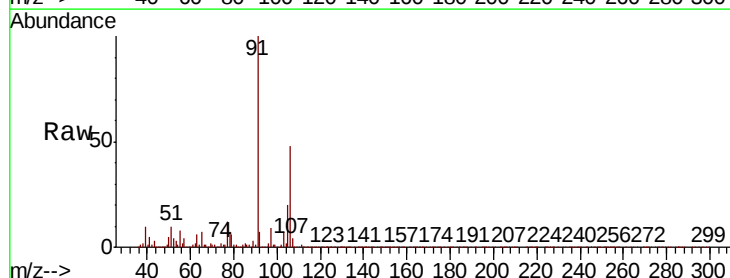
Instrument :
MSVOA_X
ClientSampled :
MW-4

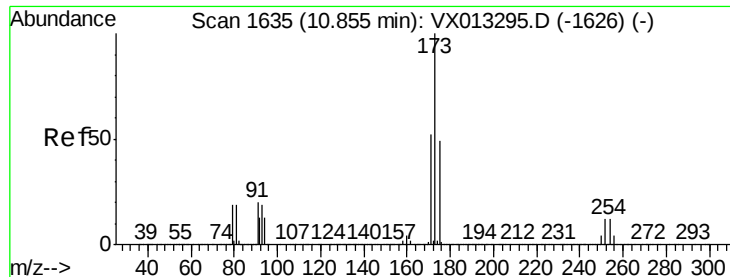
Tot Ion:106 Resp: 187181
Ion Ratio Lower Upper
106 100
91 214.6 105.7 317.0



#70
Styrene
Concen: 0.440 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX013481.D
Acq: 20 Nov 2019 16:45

Tgt Ion:104 Resp: 10105
Ion Ratio Lower Upper
104 100
78 290.2 40.0 60.0#
103 252.1 44.1 66.1#





#71

Bromoform

Concen: 3.235 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

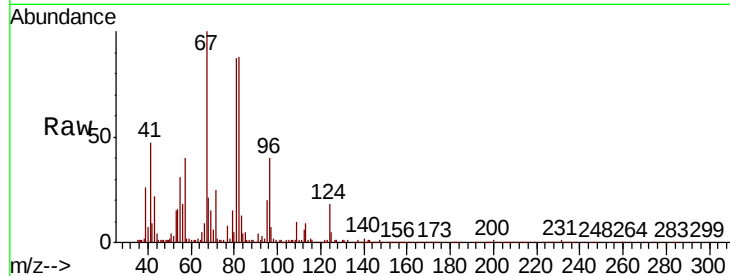
Tot Ion:173 Resp: 256

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

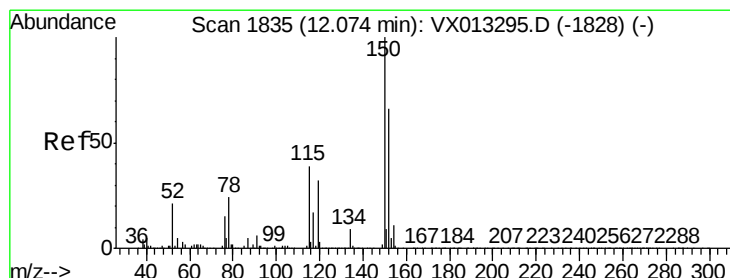
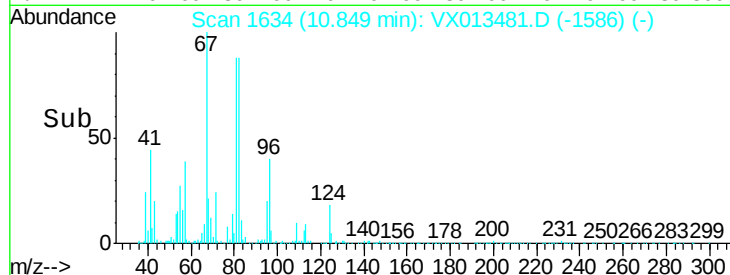
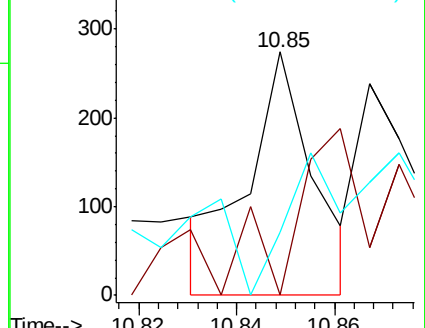
254 46.5 0.2 0.2#



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: VX013481.D

Acq: 20 Nov 2019 16:45

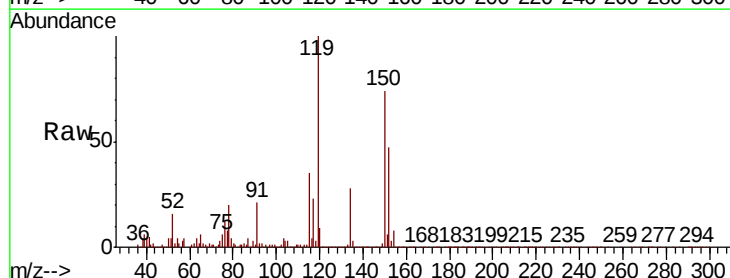
Tgt Ion:152 Resp: 506294

Ion Ratio Lower Upper

152 100

115 92.1 39.5 118.3

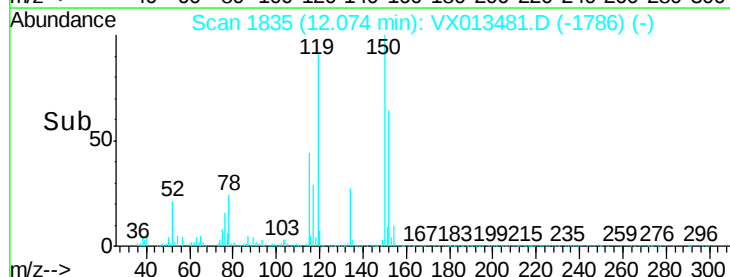
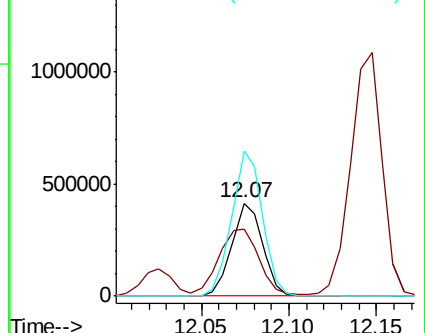
150 156.3 0.0 344.4

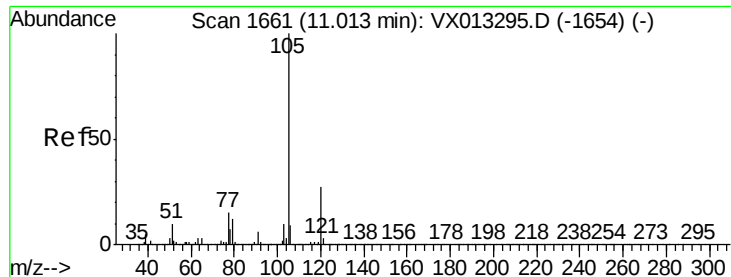


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 172.823 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

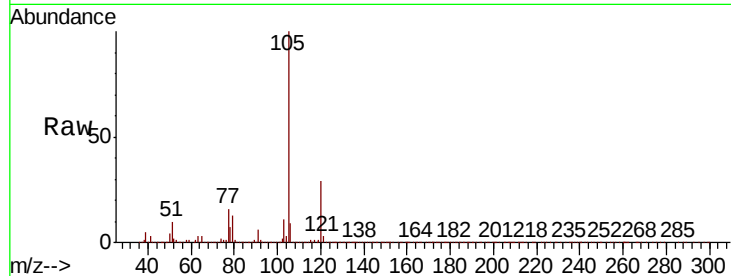
MW-4

Tot Ion:105 Resp: 5801321

Ion Ratio Lower Upper

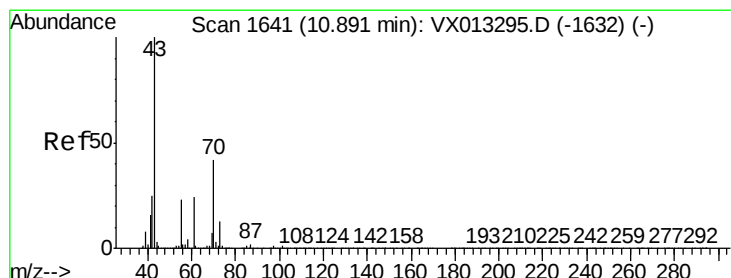
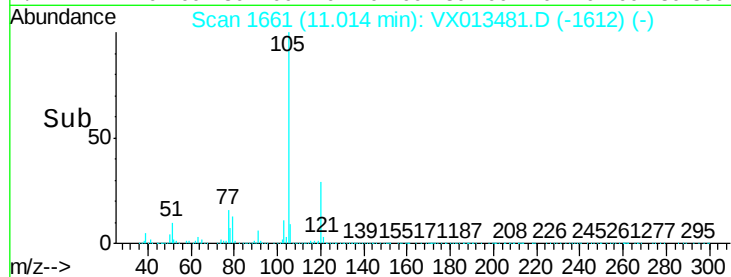
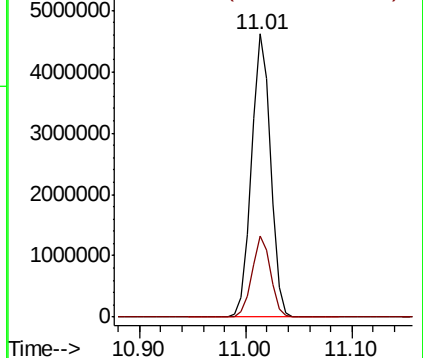
105 100

120 27.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.453 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Tgt Ion: 43 Resp: 84888

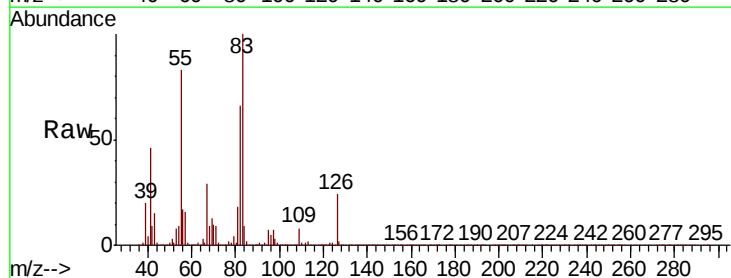
Ion Ratio Lower Upper

43 100

70 84.4 34.1 51.1#

55 462.1 18.9 28.3#

61 0.0 19.2 28.8#

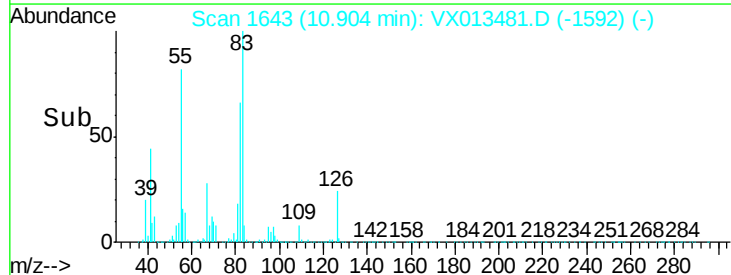
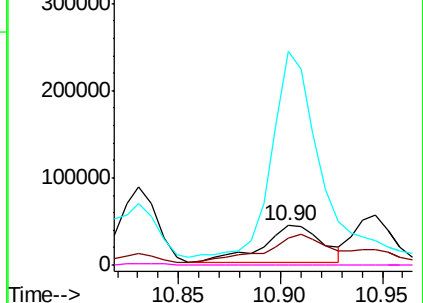


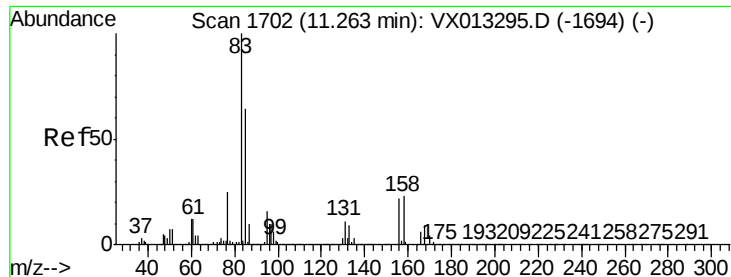
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.120 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

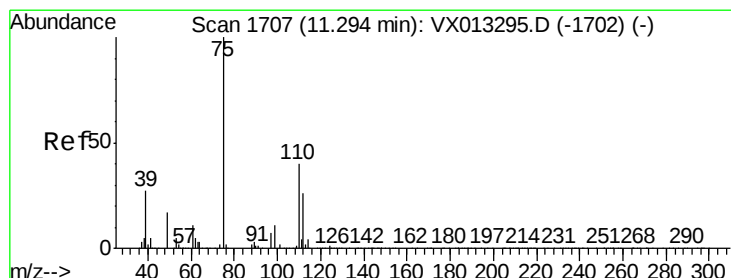
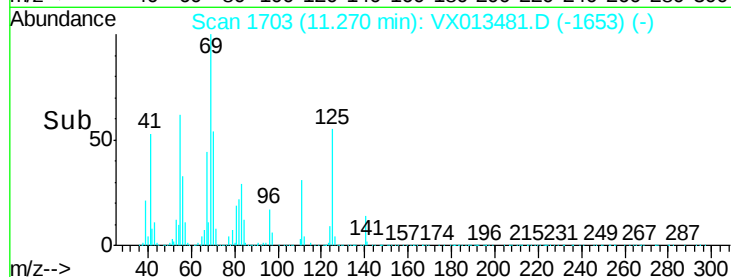
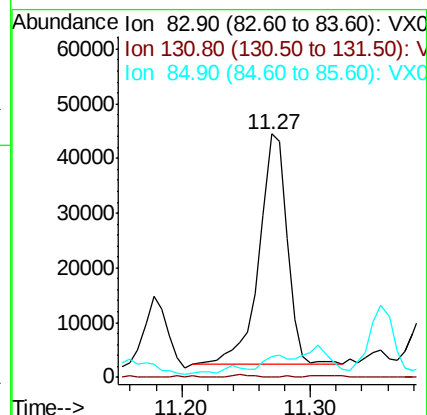
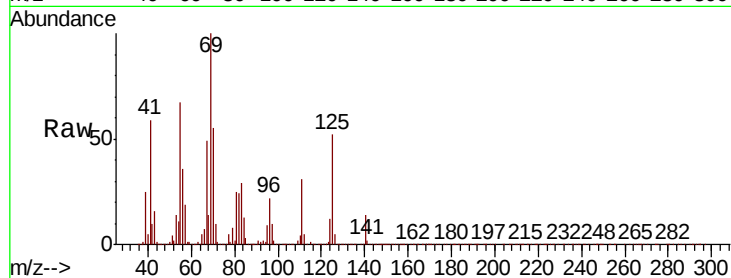
Tot Ion: 83 Resp: 62700

Ion Ratio Lower Upper

83 100

131 0.2 5.1 15.3#

85 5.7 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 7.342 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX013481.D

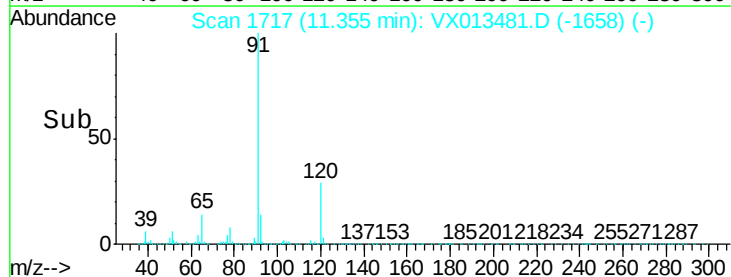
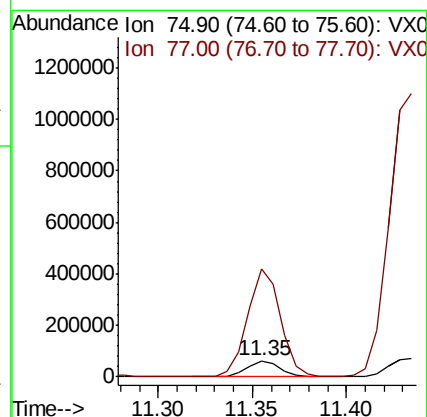
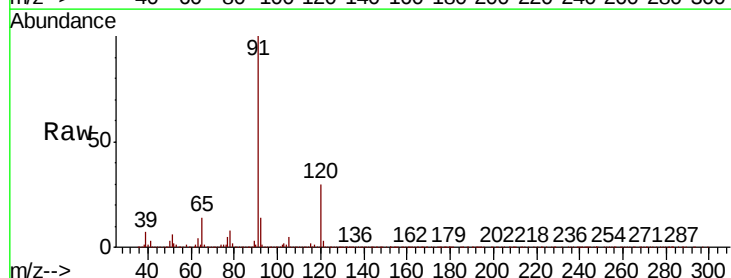
Acq: 20 Nov 2019 16:45

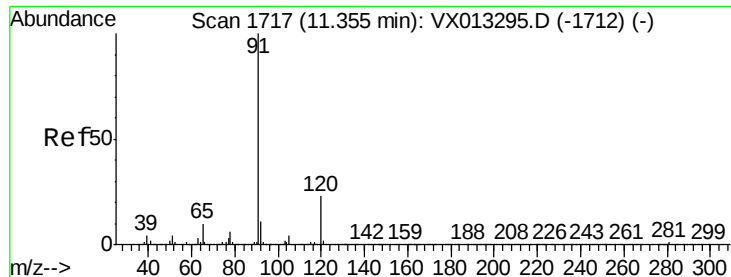
Tgt Ion: 75 Resp: 75501

Ion Ratio Lower Upper

75 100

77 672.6 22.3 66.8#





#78

n-propylbenzene

Concen: 306.659 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

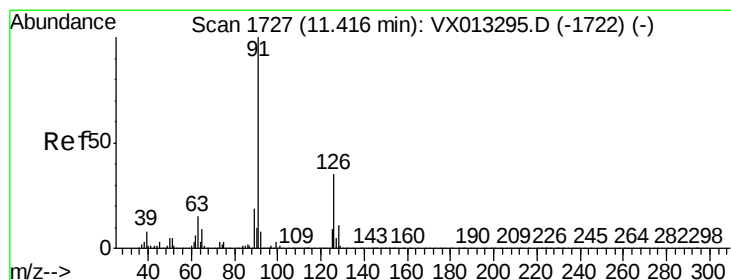
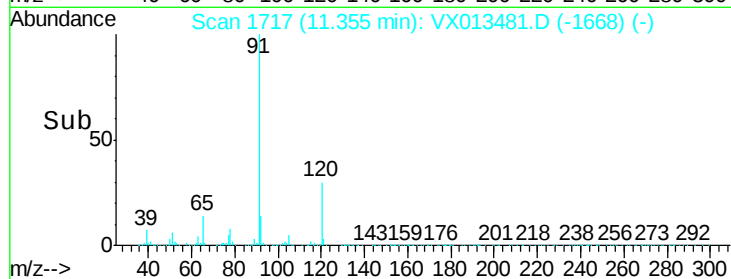
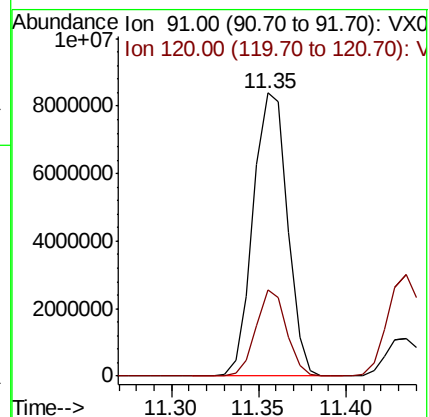
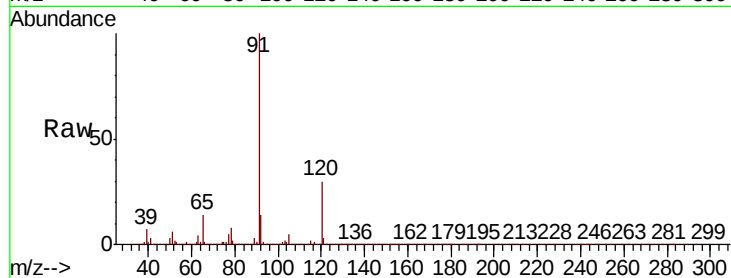
MW-4

Tot Ion: 91 Resp: 11466846

Ion Ratio Lower Upper

91 100

120 27.0 11.6 34.8



#79

2-Chlorotoluene

Concen: 97.728 ug/l

RT: 11.43 min Scan# 1730

Delta R.T. 0.02 min

Lab File: VX013481.D

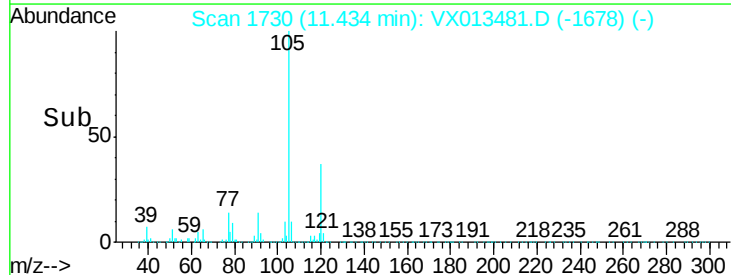
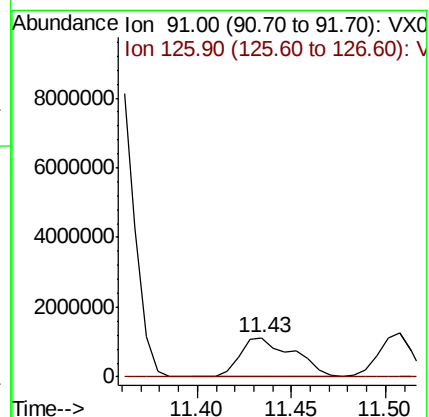
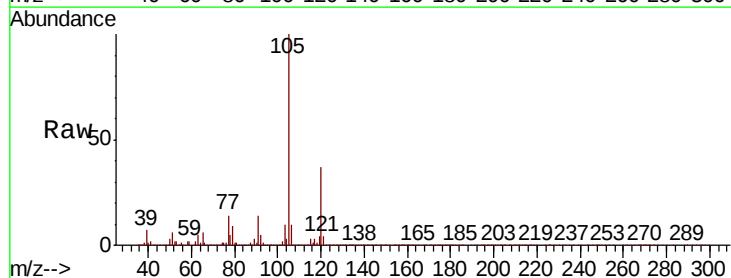
Acq: 20 Nov 2019 16:45

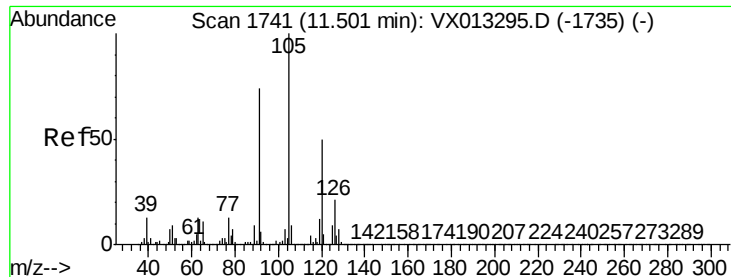
Tgt Ion: 91 Resp: 2201727

Ion Ratio Lower Upper

91 100

126 0.1 17.3 52.0#

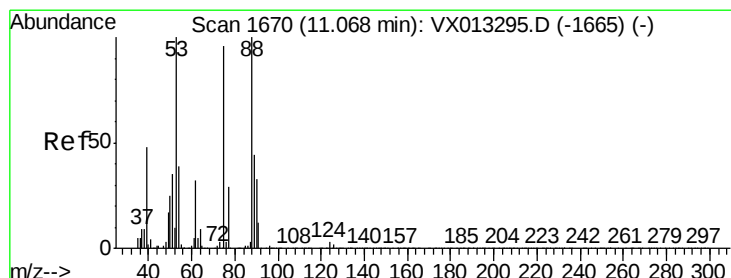
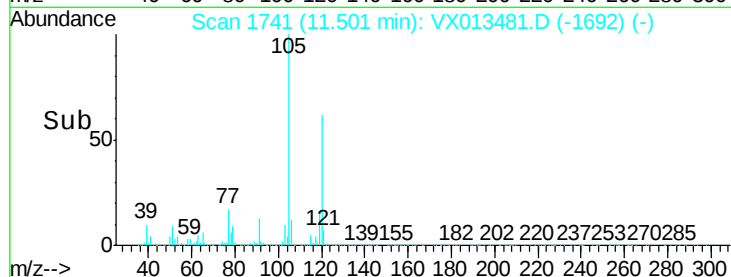
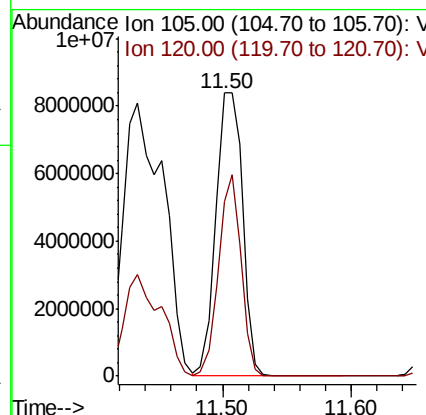
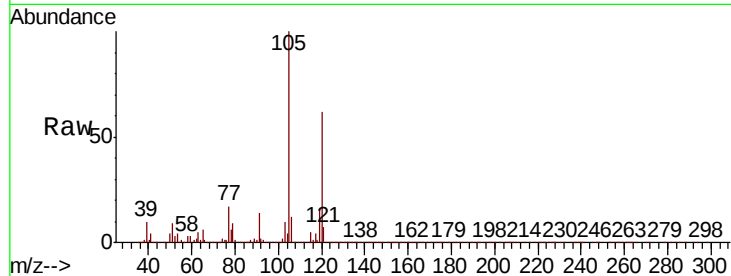




#80
 1,3,5-Trimethylbenzene
 Concen: 438.320 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

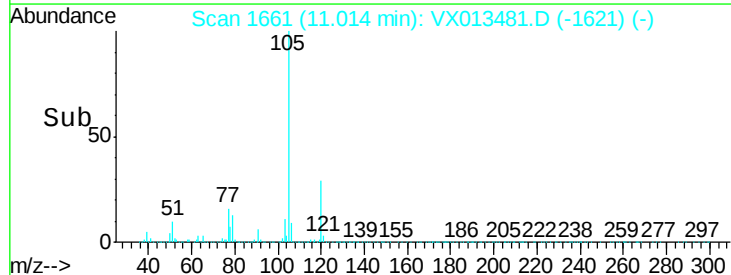
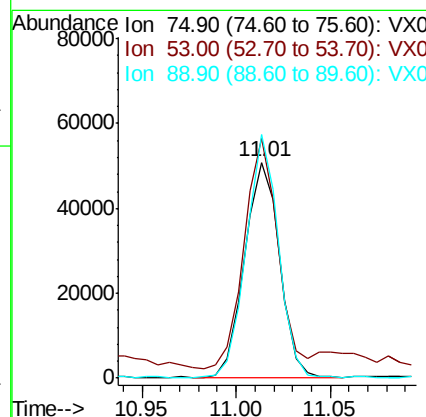
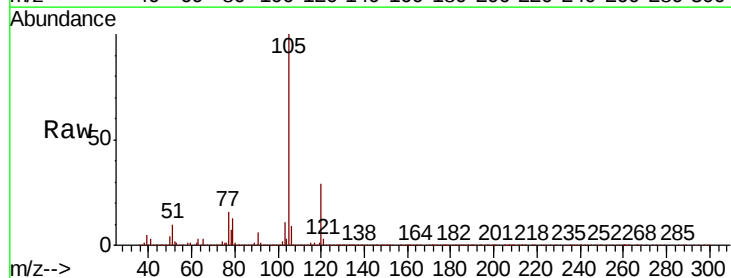
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

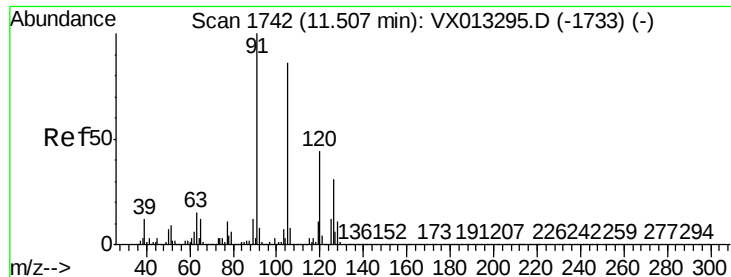
Tot Ion:105 Resp:12255614
 Ion Ratio Lower Upper
 105 100
 120 60.0 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 16.435 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.05 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

Tgt Ion: 75 Resp: 65660
 Ion Ratio Lower Upper
 75 100
 53 101.9 81.0 121.6
 89 103.9 36.0 54.0#





#82

4-Chlorotoluene

Concen: 58.132 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

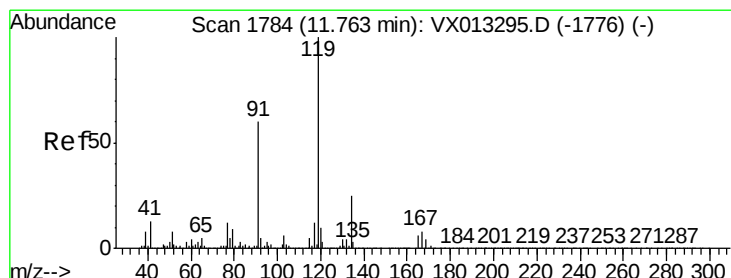
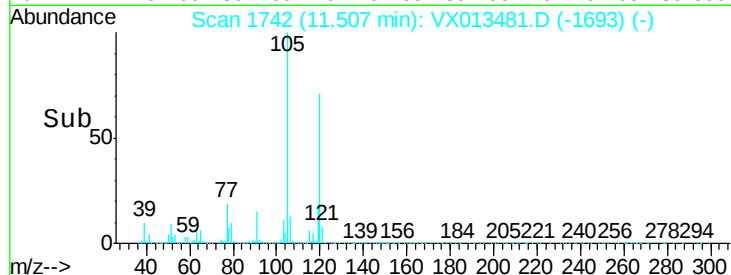
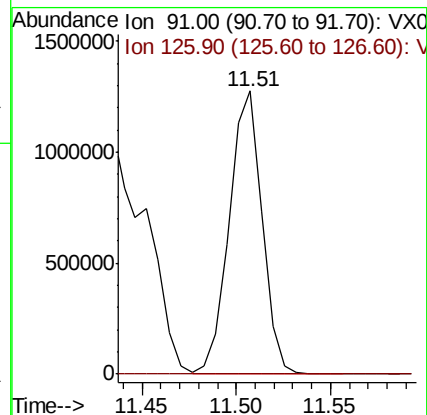
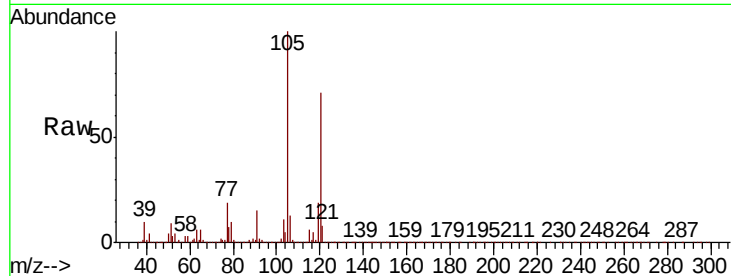
MW-4

Tot Ion: 91 Resp: 1533087

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



#83

tert-Butylbenzene

Concen: 18.571 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

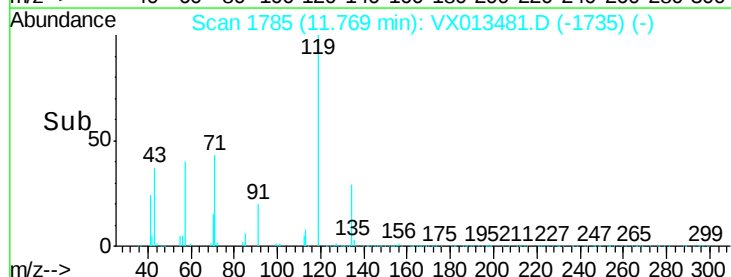
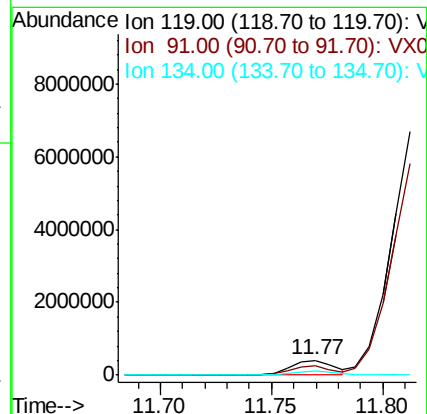
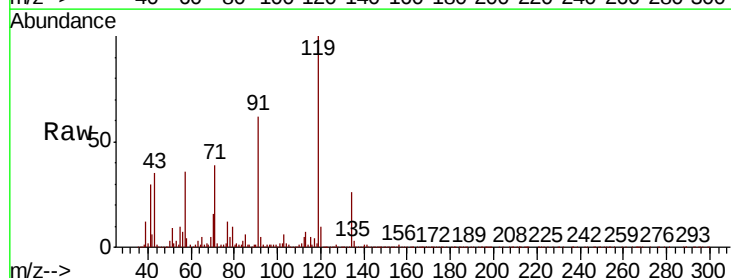
Tgt Ion: 119 Resp: 522688

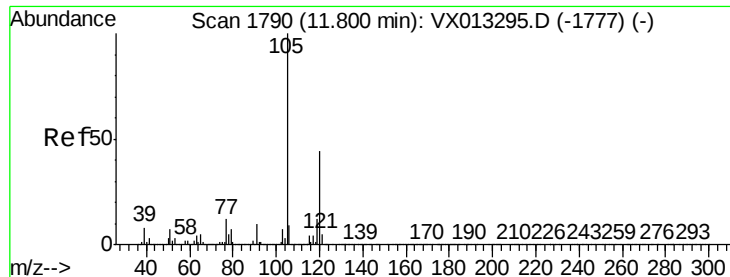
Ion Ratio Lower Upper

119 100

91 65.0 26.9 80.7

134 26.0 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 109.169 ug/l

RT: 11.67 min Scan# 1768

Delta R.T. -0.13 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

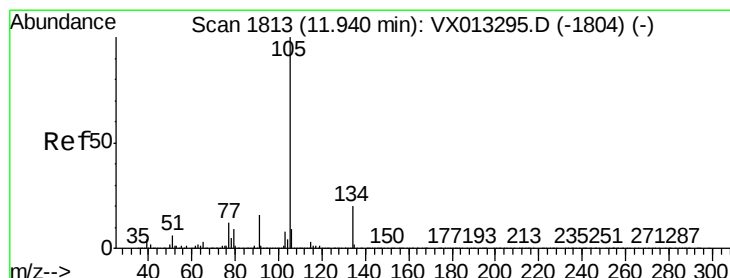
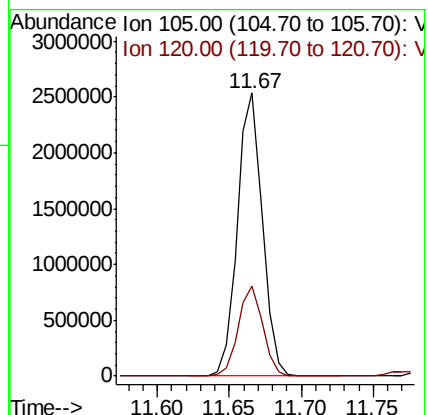
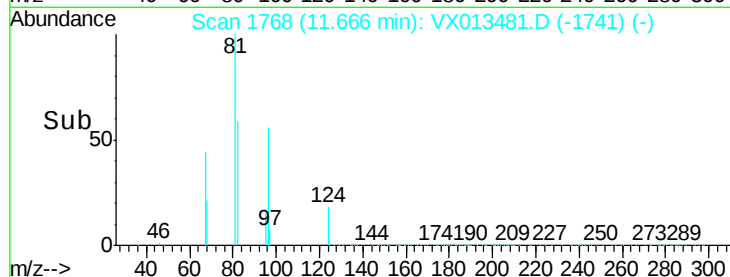
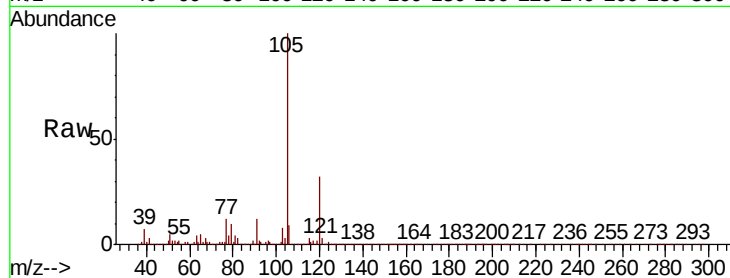
MW-4

Tot Ion:105 Resp: 3062005

Ion Ratio Lower Upper

105 100

120 31.2 22.7 68.1



#85

sec-Butylbenzene

Concen: 82.285 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013481.D

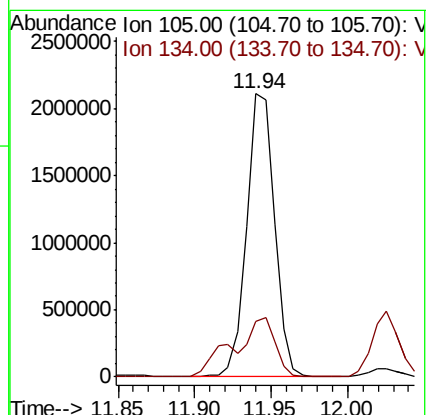
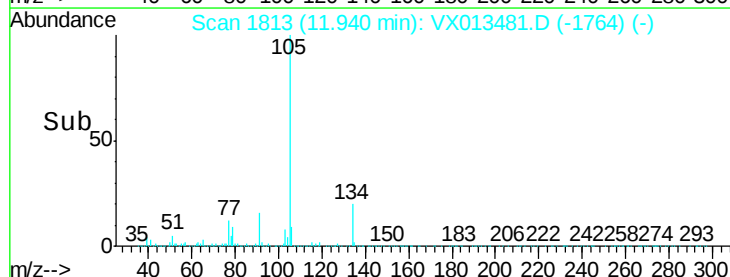
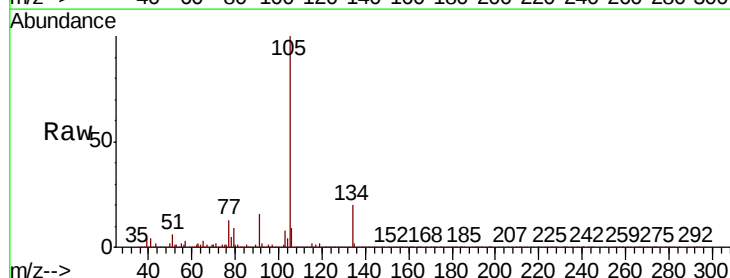
Acq: 20 Nov 2019 16:45

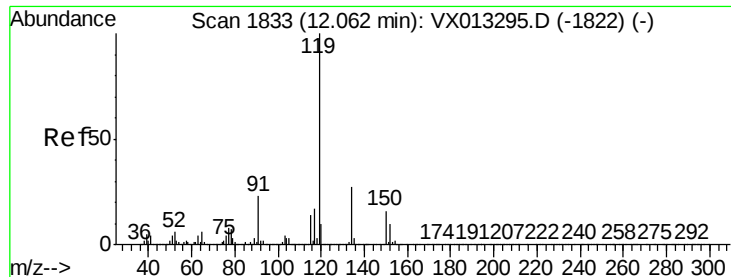
Tgt Ion:105 Resp: 2661772

Ion Ratio Lower Upper

105 100

134 31.5 10.3 30.9#

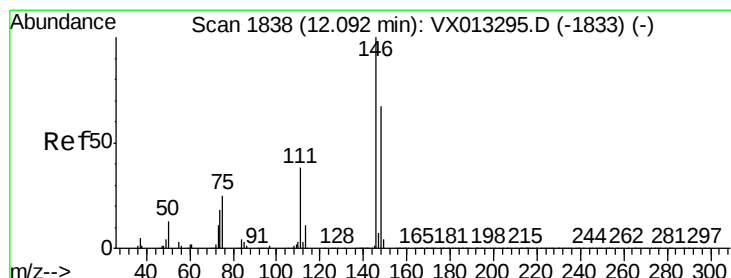
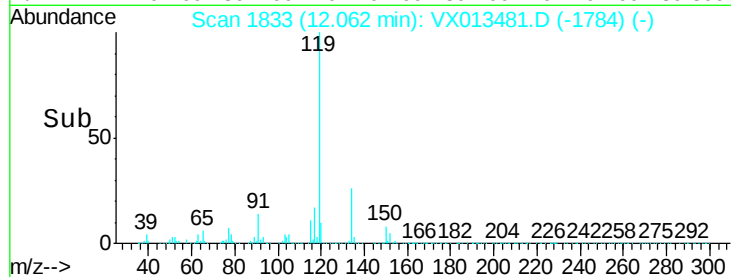
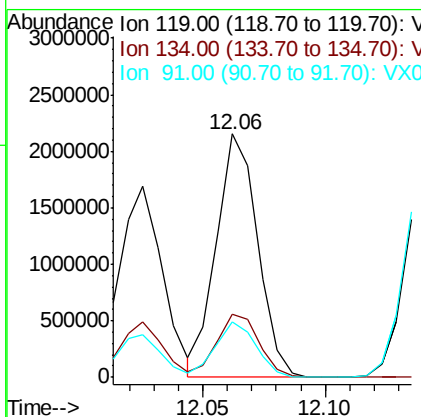
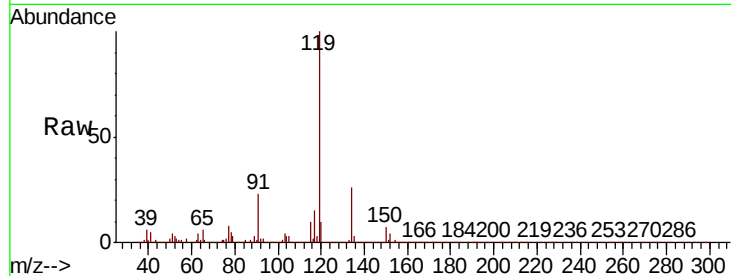




#86
 p-Isopropyltoluene
 Concen: 84.862 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

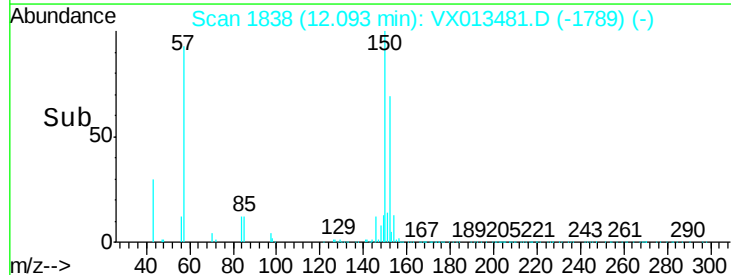
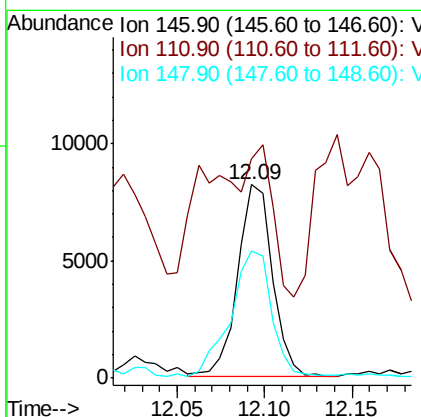
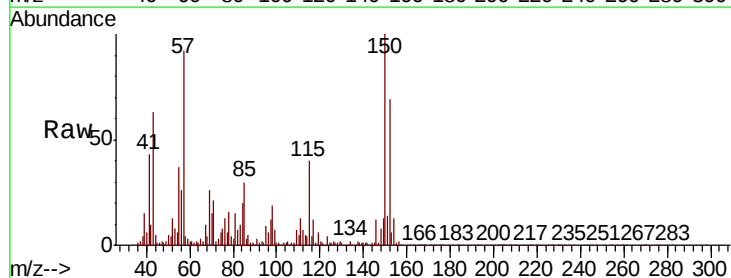
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

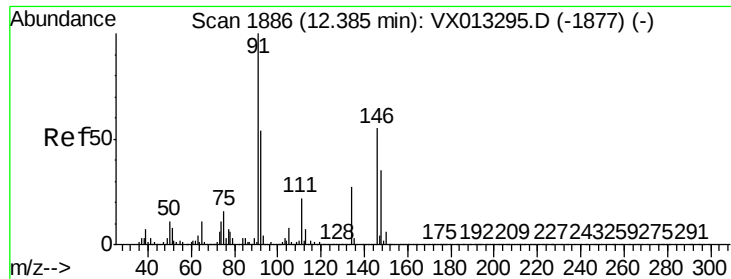
Tot Ion:119 Resp: 2527789
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 22.3 11.5 34.4



#88
 1,4-Dichlorobenzene
 Concen: 0.705 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

Tgt Ion:146 Resp: 11458
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.8 56.4#
 148 76.9 32.4 97.0





#89

n-Butylbenzene

Concen: 97.245 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

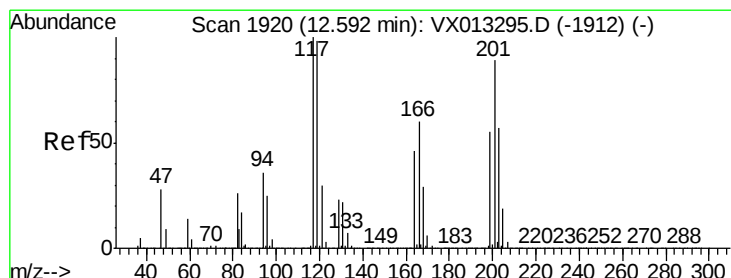
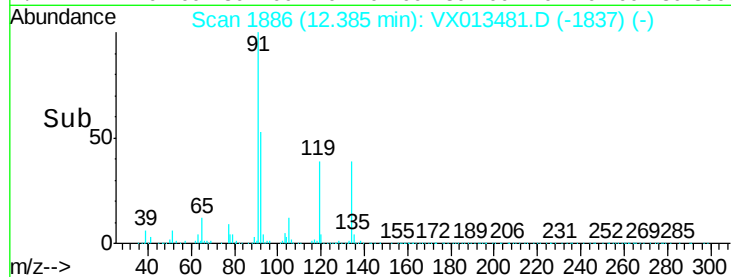
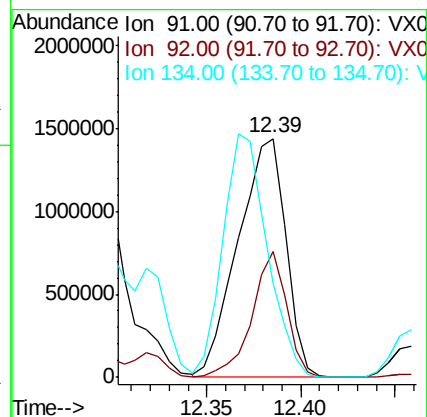
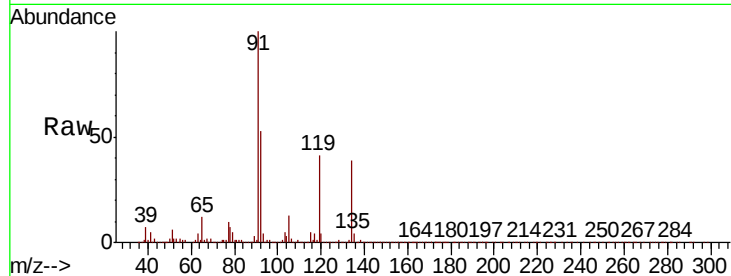
Tot Ion: 91 Resp: 2527535

Ion Ratio Lower Upper

91 100

92 38.4 27.3 81.8

134 94.3 13.5 40.5#



#90

Hexachloroethane

Concen: 63.340 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013481.D

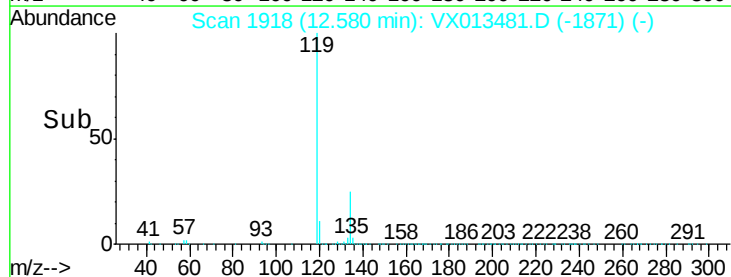
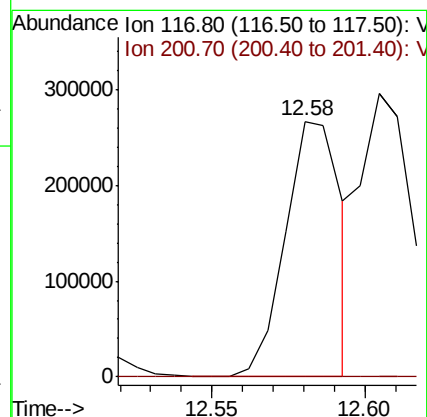
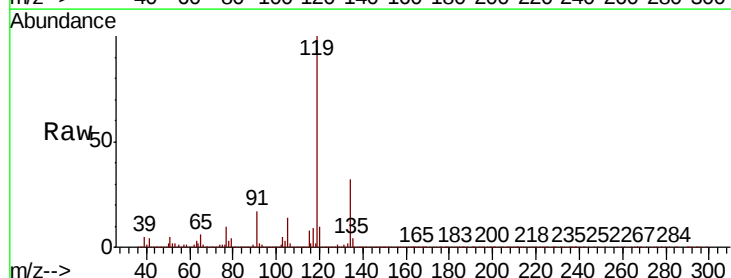
Acq: 20 Nov 2019 16:45

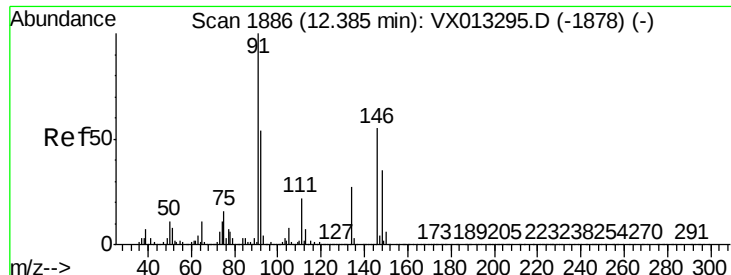
Tgt Ion: 117 Resp: 336159

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.7#





#91

1,2-Dichlorobenzene

Concen: 0.219 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

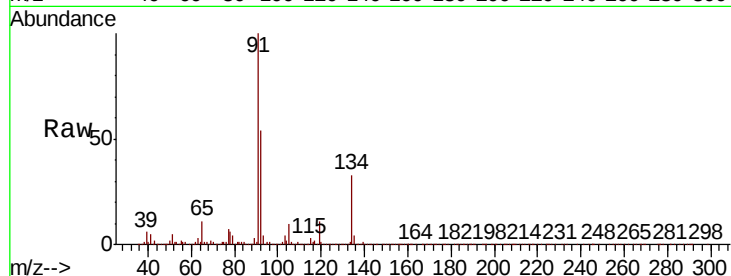
Tot Ion:146 Resp: 3494

Ion Ratio Lower Upper

146 100

111 131.7 20.1 60.2#

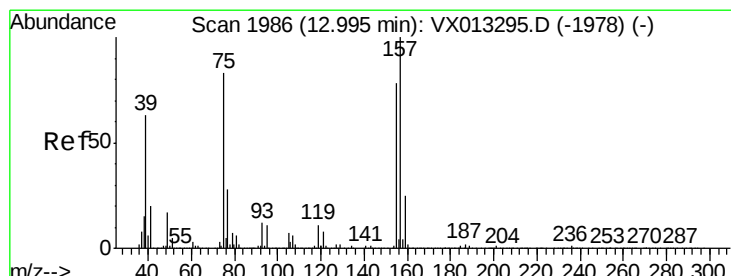
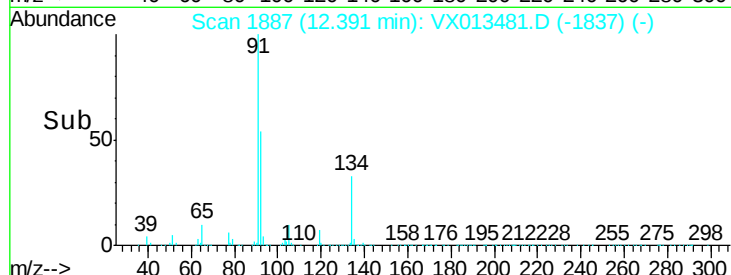
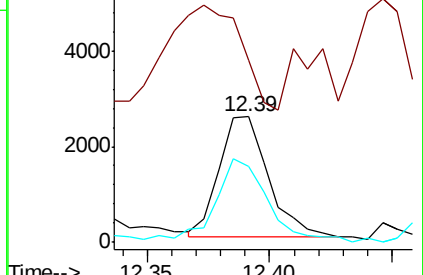
148 76.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.517 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX013481.D

Acq: 20 Nov 2019 16:45

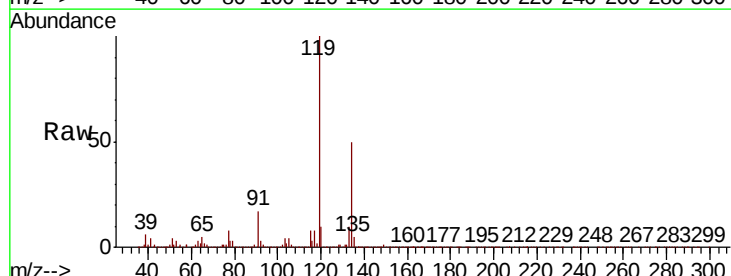
Tgt Ion: 75 Resp: 16459

Ion Ratio Lower Upper

75 100

155 0.0 47.1 141.4#

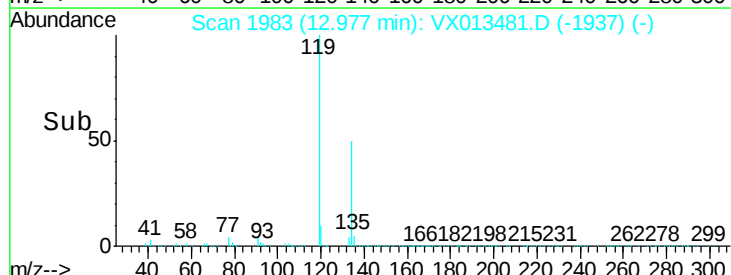
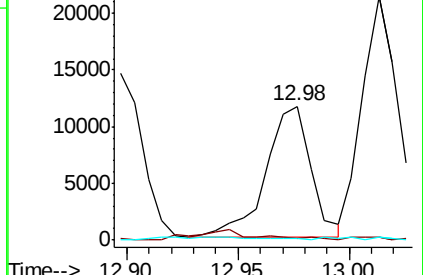
157 1.8 61.3 183.8#

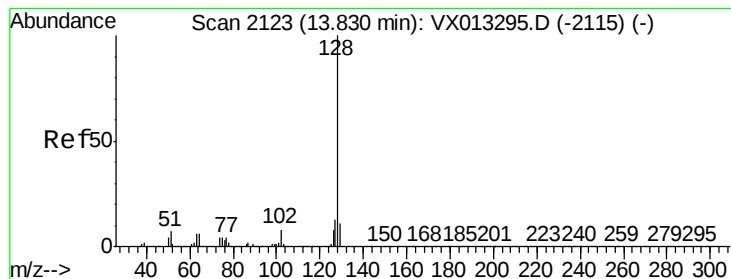


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 131.239 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX013481.D
 Acq: 20 Nov 2019 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tot Ion:128 Resp: 4579732
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.2
 129 11.3 8.5 12.7

