

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013034.D
 Acq On : 11 Oct 2019 22:10
 Operator : JC/SP
 Sample : K5307-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

Quant Time: Oct 11 23:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99748	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	108947	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	83221	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	8.71	98	334501	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.13	95	111957	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	786	0.442	ug/l	89
5) Bromomethane	1.64	94	434	0.523	ug/l	96
6) Chloroethane	1.72	64	1024	1.201	ug/l	94
8) Diethyl Ether	2.18	74	13005	11.960	ug/l	98
10) Methyl Iodide	2.51	142	346	5.239	ug/l #	56
11) Tert butyl alcohol	3.03	59	149553	258.948	ug/l	100
14) Allyl chloride	2.70	41	1889	0.602	ug/l #	49
16) Acetone	2.43	43	5343	4.653	ug/l	92
18) Methyl Acetate	2.83	43	1219	0.448	ug/l #	51
19) Methyl tert-butyl Ether	3.19	73	5084	0.836	ug/l	97
24) 1,1-Dichloroethane	3.69	63	1206	0.357	ug/l #	81
25) 2-Butanone	4.68	43	10020	6.289	ug/l #	77
26) 2,2-Dichloropropane	4.67	77	13165	4.630	ug/l #	53
27) cis-1,2-Dichloroethene	4.58	96	666	0.306	ug/l #	1
28) Bromochloromethane	5.11	49	309	Below Cal	#	13
29) Tetrahydrofuran	5.11	42	191627	195.458	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13213	5.251	ug/l #	50
37) Ethyl Acetate	4.68	43	10020	3.561	ug/l #	1
38) Carbon Tetrachloride	5.65	117	18004	7.351	ug/l #	17
39) Methylcyclohexane	7.46	83	712	0.233	ug/l #	82
40) Benzene	6.14	78	15748	2.119	ug/l	96
41) Methacrylonitrile	5.11	41	105997	68.556	ug/l #	44
43) Isopropyl Acetate	6.45	43	1812	0.401	ug/l #	60
49) 1,4-Dioxane	7.73	88	12320	236.369	ug/l	93
51) 4-Methyl-2-Pentanone	8.61	43	4420	1.570	ug/l #	51
52) Toluene	8.78	92	3748	0.788	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	60	2.188	ug/l #	42
55) 1,1,2-Trichloroethane	9.14	97	577	0.307	ug/l #	26
56) Ethyl methacrylate	9.20	69	19	1.837	ug/l #	1
59) 2-Hexanone	9.30	43	4120	1.880	ug/l	79
60) Dibromochloromethane	9.62	129	26	1.869	ug/l #	10
65) Chlorobenzene	10.14	112	64596	13.413	ug/l	98
67) Ethyl Benzene	10.25	91	11272	1.318	ug/l	100
68) m/p-Xylenes	10.35	106	14293	4.473	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

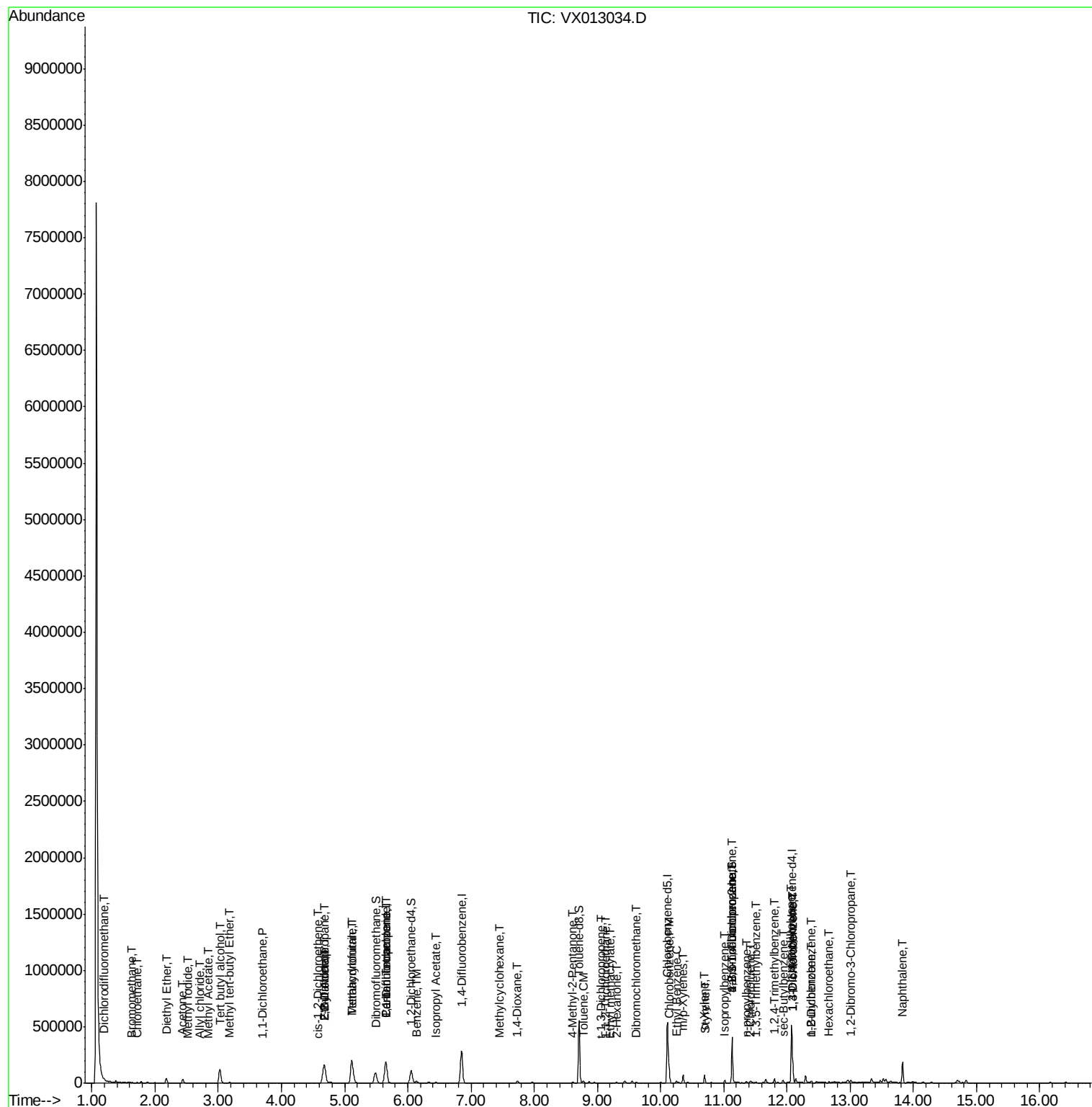
69) o-Xylene	10.70	106	16220	5.205	ug/l	100
70) Styrene	10.71	104	1564	0.295	ug/l #	1
73) Isopropylbenzene	11.01	105	12234	1.668	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	58199	26.306	ug/l #	32
78) n-propylbenzene	11.35	91	5713	0.708	ug/l	98
79) 2-Chlorotoluene	11.42	91	5727	1.129	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	3302	0.539	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	58199	66.204	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	17482	2.819	ug/l	96
85) sec-Butylbenzene	11.94	105	1679	0.243	ug/l #	70
86) p-Isopropyltoluene	12.06	119	1782	0.278	ug/l #	67
87) 1,3-Dichlorobenzene	12.09	146	36635	11.416	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	36635	11.272	ug/l	96
89) n-Butylbenzene	12.38	91	1430	0.265	ug/l #	63
90) Hexachloroethane	12.67	117	867	2.817	ug/l #	13
91) 1,2-Dichlorobenzene	12.38	146	2714	0.863	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	190	0.332	ug/l #	1
95) Naphthalene	13.83	128	112825	16.514	ug/l	99

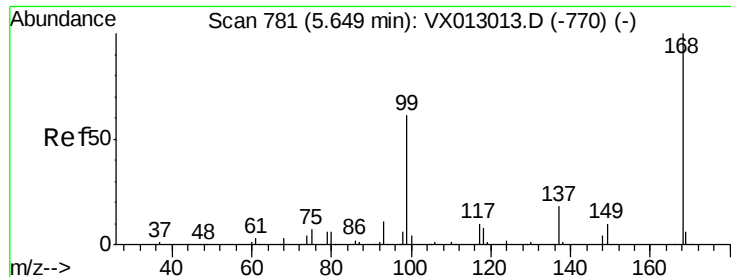
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

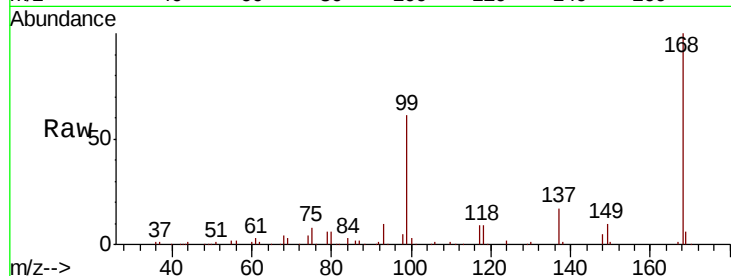
391009764.2-VOA

Tot Ion:168 Resp: 174310

Ion Ratio Lower Upper

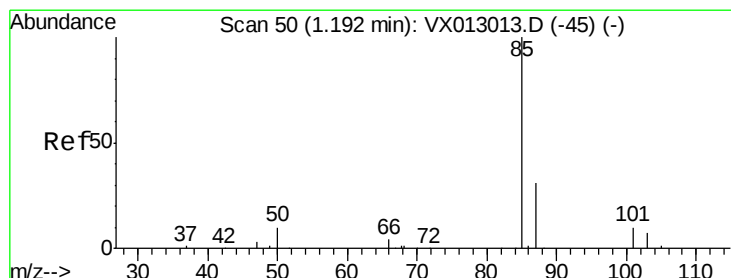
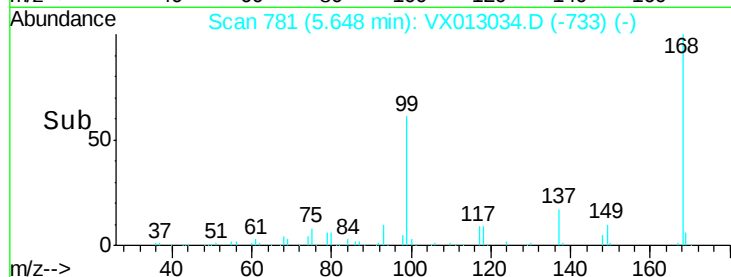
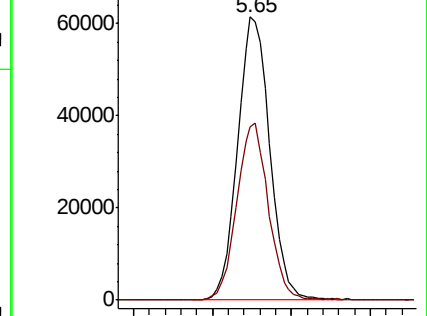
168 100

99 61.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.442 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX013034.D

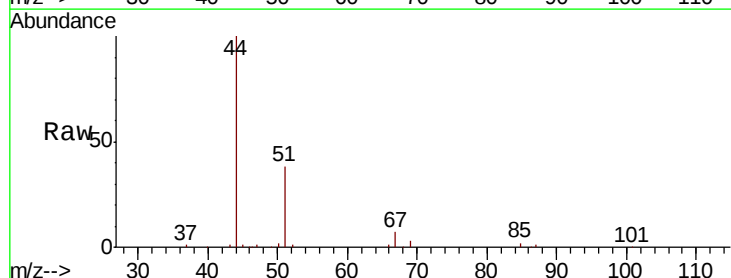
Acq: 11 Oct 2019 22:10

Tgt Ion: 85 Resp: 786

Ion Ratio Lower Upper

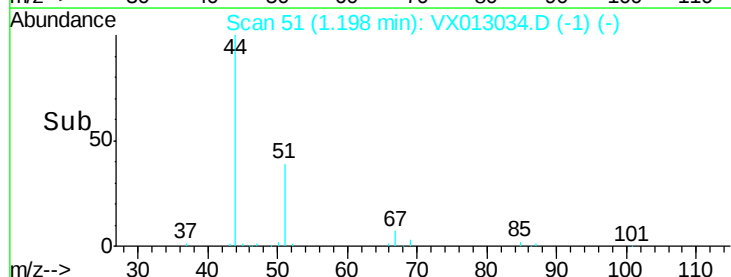
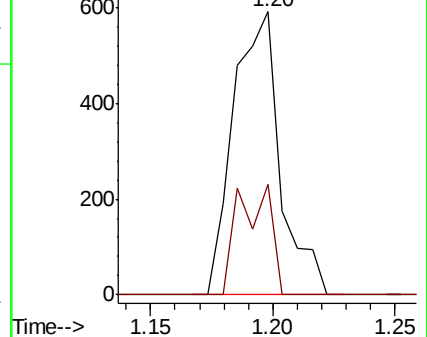
85 100

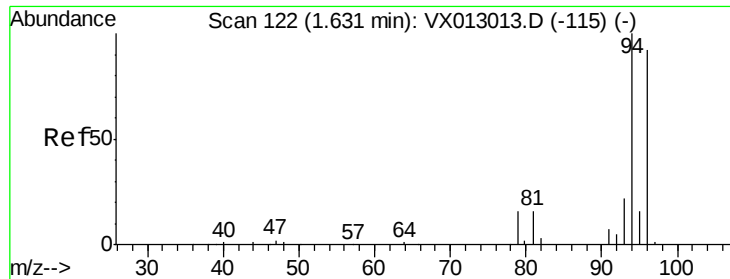
87 39.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

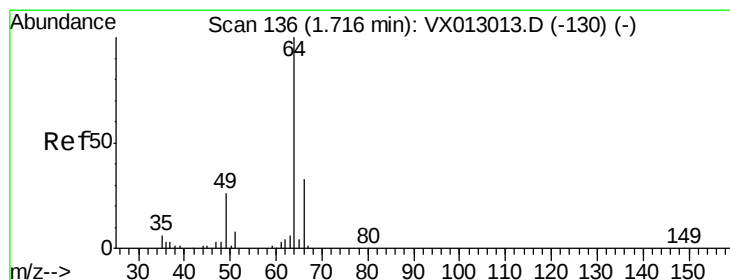
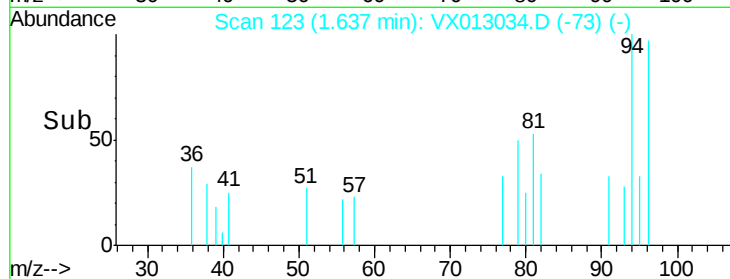
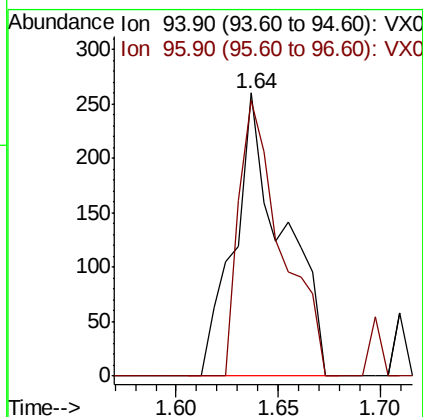
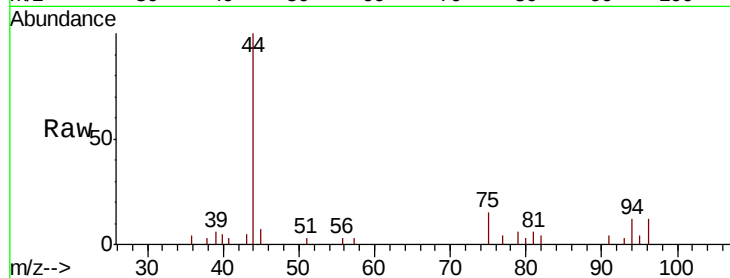




#5
Bromomethane
Concen: 0.523 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

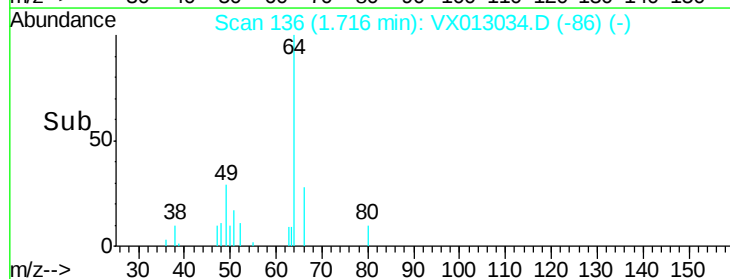
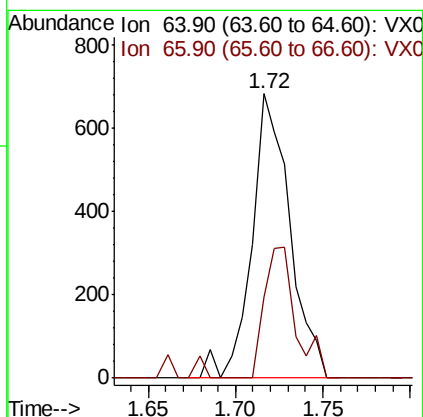
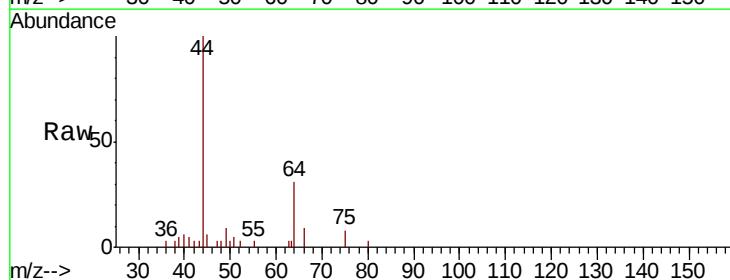
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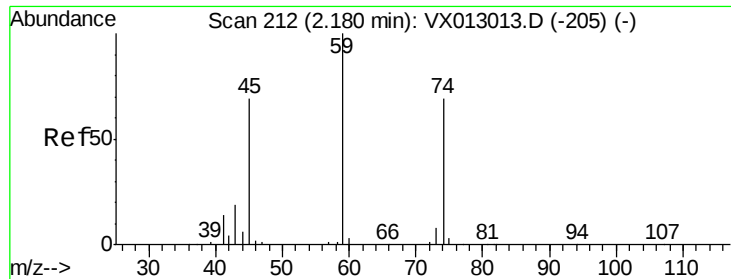
Tot Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 97.3 74.7 112.1



#6
Chloroethane
Concen: 1.201 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 64 Resp: 1024
Ion Ratio Lower Upper
64 100
66 28.4 25.6 38.4

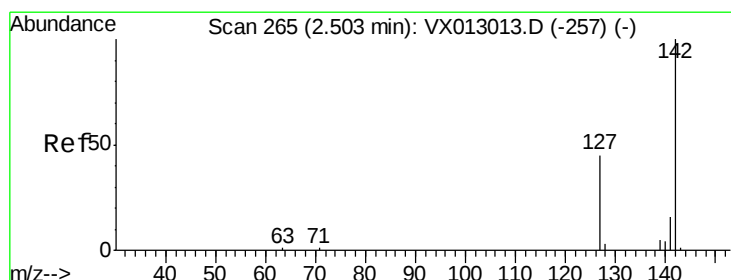
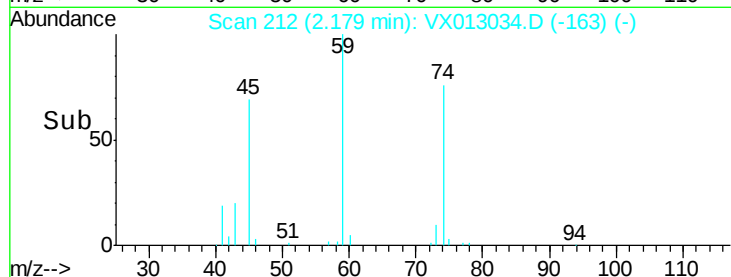
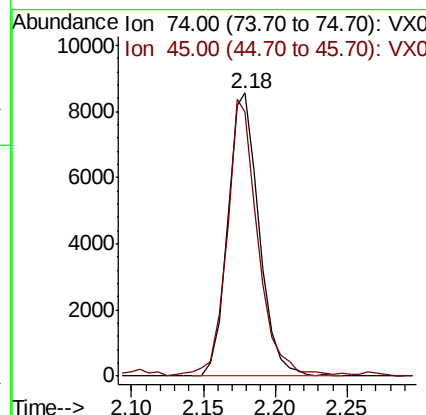
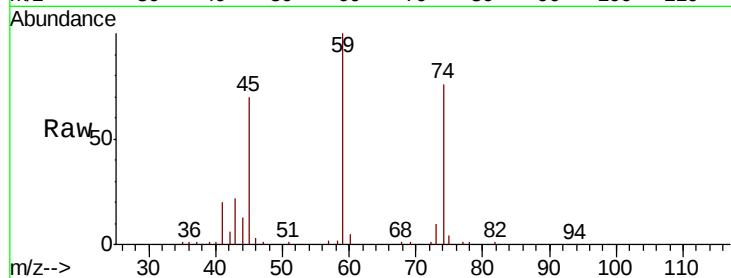




#8
 Diethyl Ether
 Concen: 11.960 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

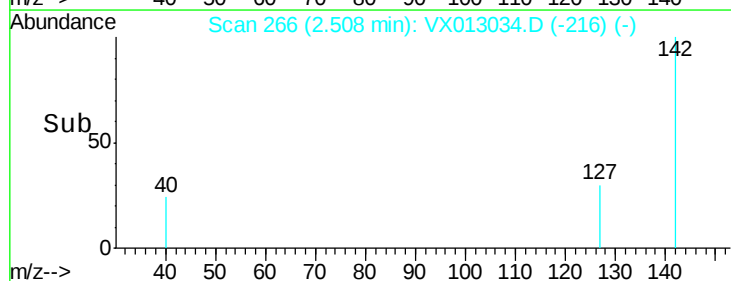
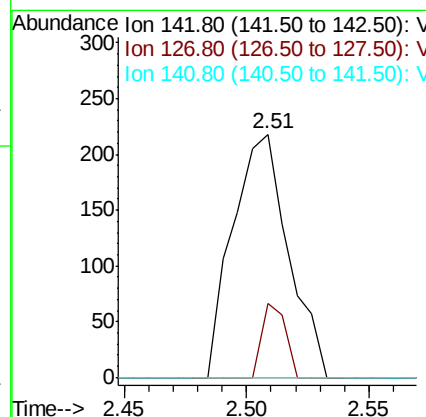
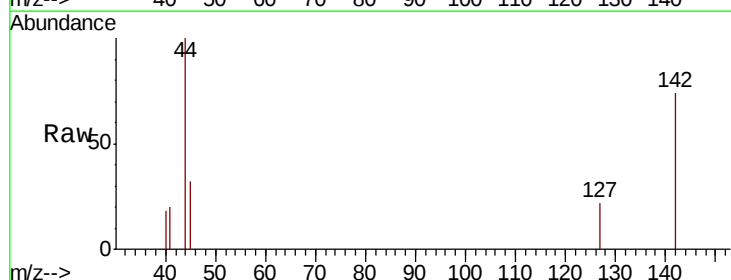
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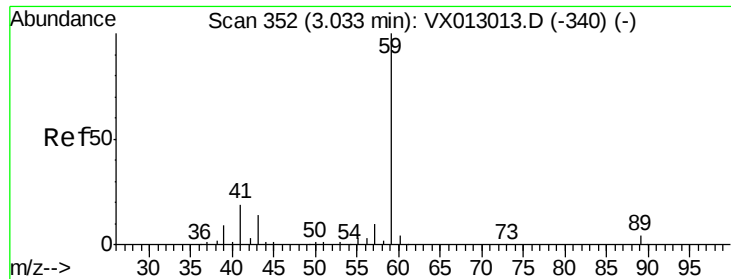
Tot Ion: 74 Resp: 13005
 Ion Ratio Lower Upper
 74 100
 45 97.1 47.8 143.4



#10
 Methyl Iodide
 Concen: 5.239 ug/l
 RT: 2.51 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 142 Resp: 346
 Ion Ratio Lower Upper
 142 100
 127 13.0 34.9 52.3#
 141 0.0 11.6 17.4#

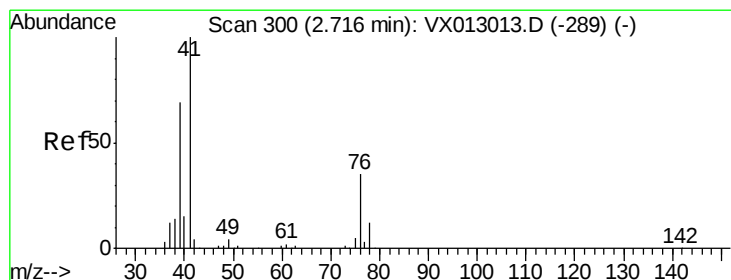
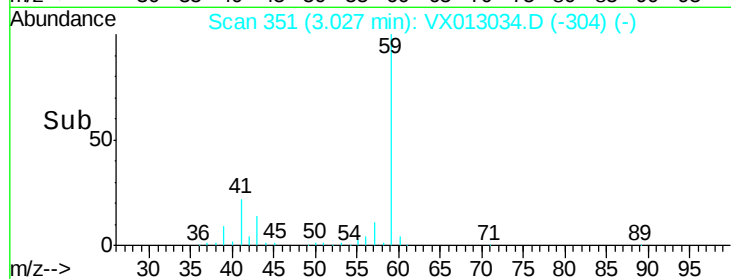
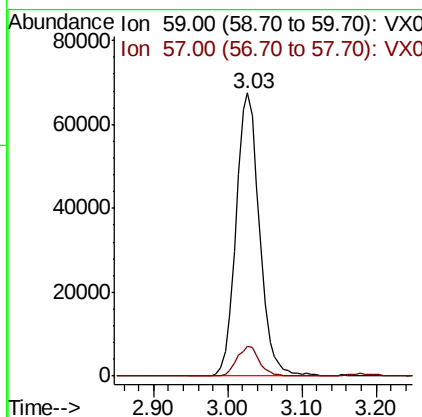
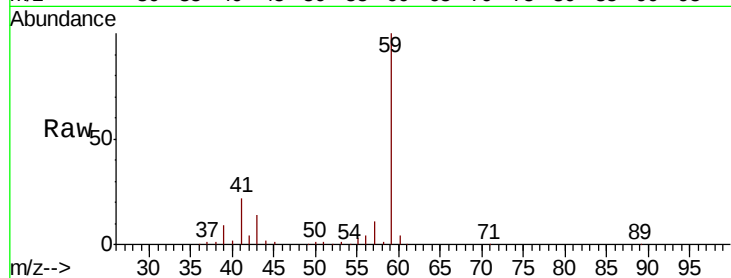




#11
Tert butyl alcohol
Concen: 258.948 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

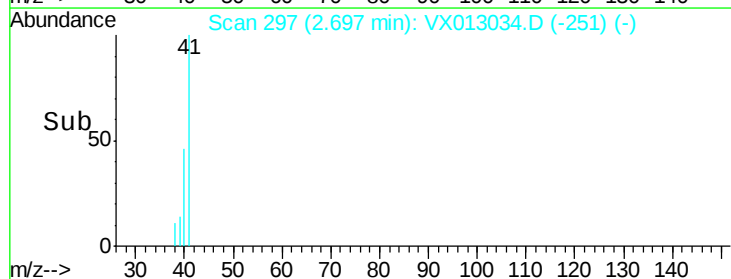
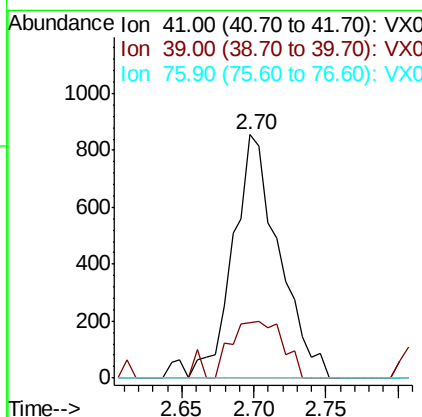
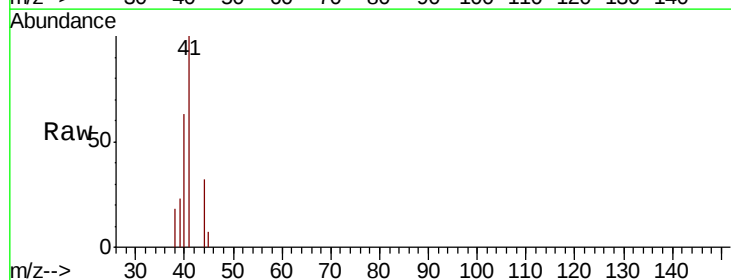
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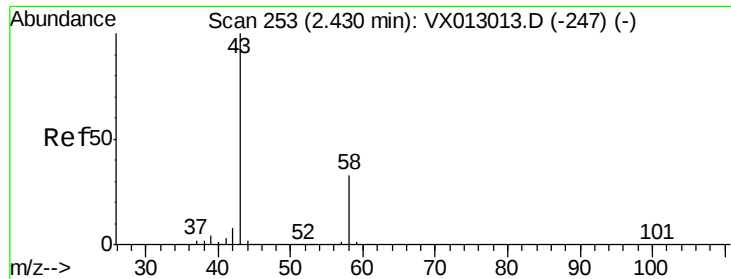
Tot Ion: 59 Resp: 149553
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#14
Allyl chloride
Concen: 0.602 ug/l
RT: 2.70 min Scan# 297
Delta R.T. -0.02 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 41 Resp: 1889
Ion Ratio Lower Upper
41 100
39 26.4 51.0 76.6#
76 0.0 26.2 39.4#





#16

Acetone

Concen: 4.653 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

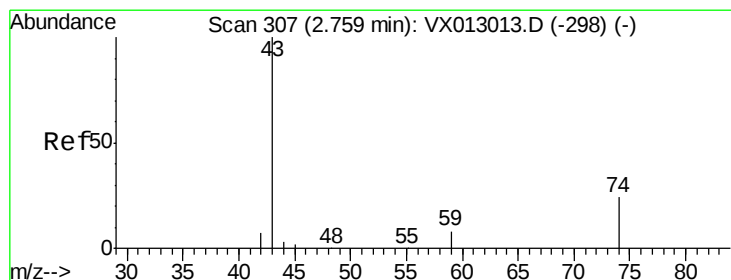
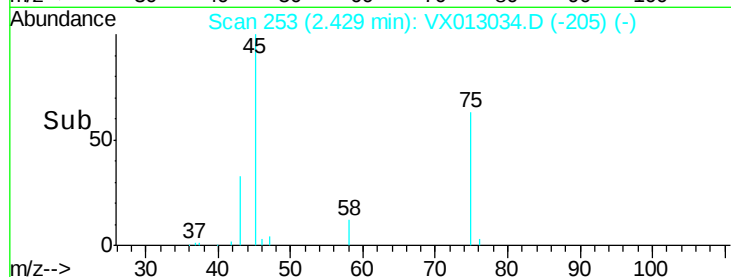
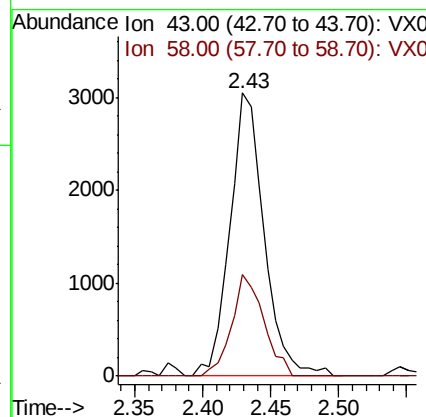
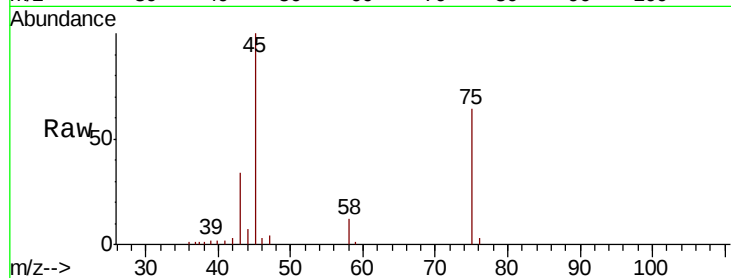
391009764.2-VOA

Tot Ion: 43 Resp: 5343

Ion Ratio Lower Upper

43 100

58 36.0 25.4 38.2



#18

Methyl Acetate

Concen: 0.448 ug/l

RT: 2.83 min Scan# 319

Delta R.T. 0.07 min

Lab File: VX013034.D

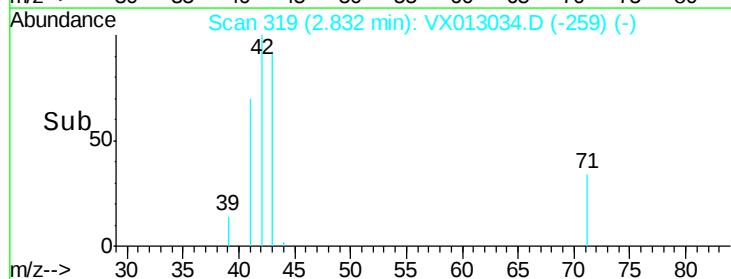
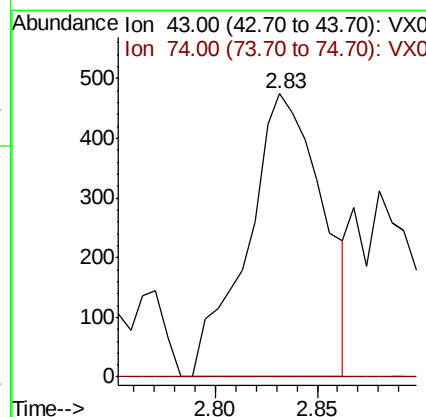
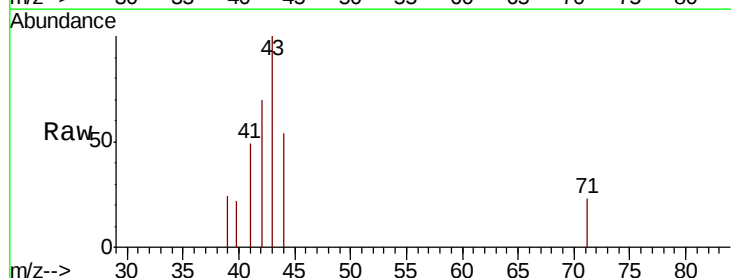
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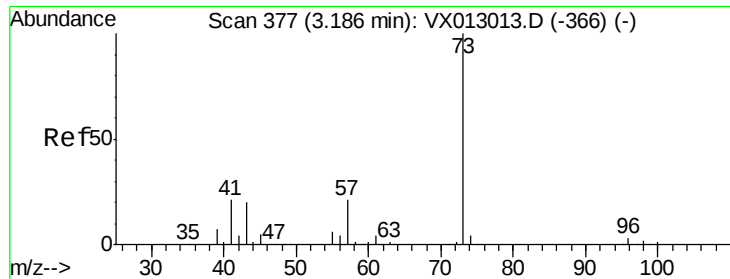
Tgt Ion: 43 Resp: 1219

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

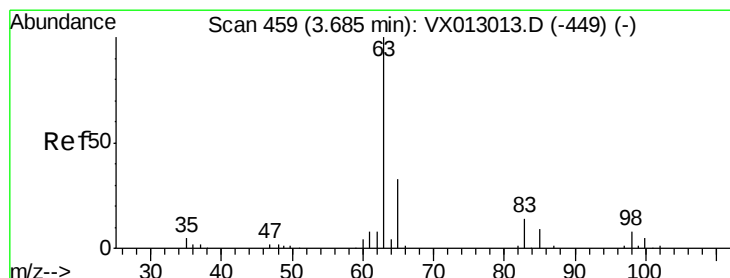
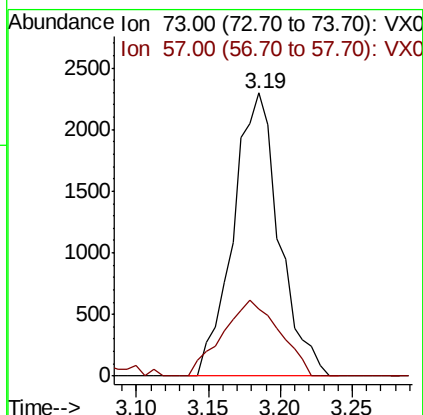
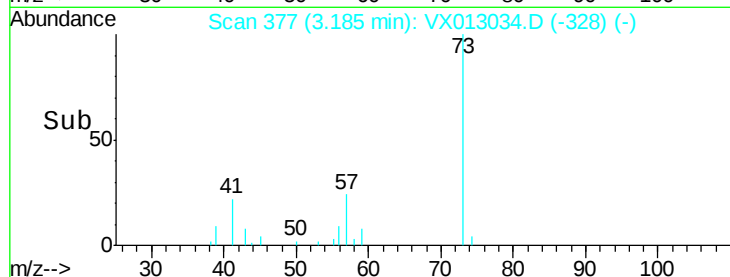
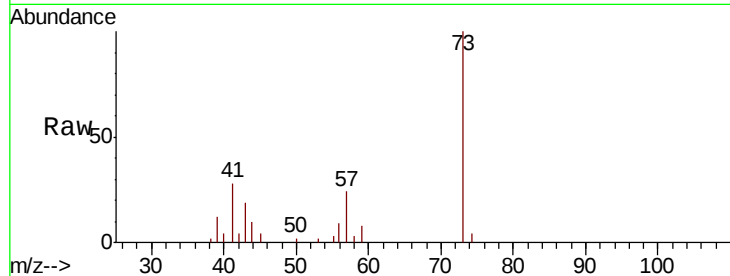




#19
Methvl tert-butvl Ether
Concen: 0.836 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

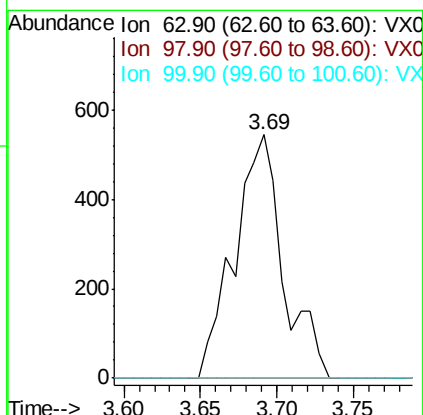
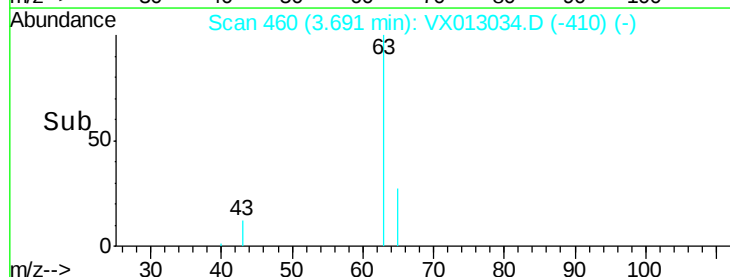
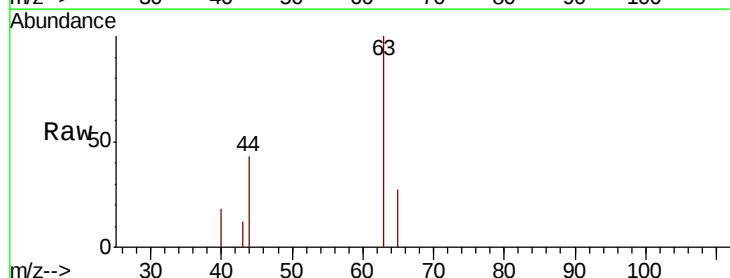
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ClientSampleId :
391009764.2-VOA

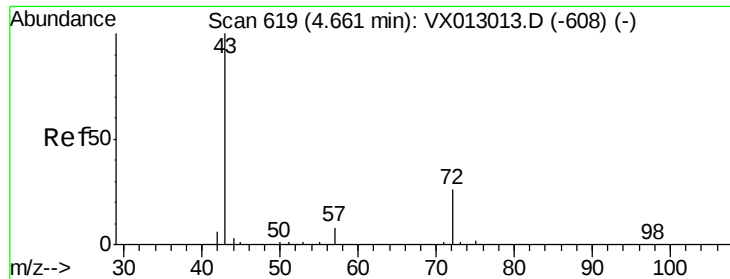
Tot Ion: 73 Resp: 5084
Ion Ratio Lower Upper
73 100
57 23.7 17.8 26.6



#24
1,1-Dichloroethane
Concen: 0.357 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 63 Resp: 1206
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.5#
100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 6.289 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

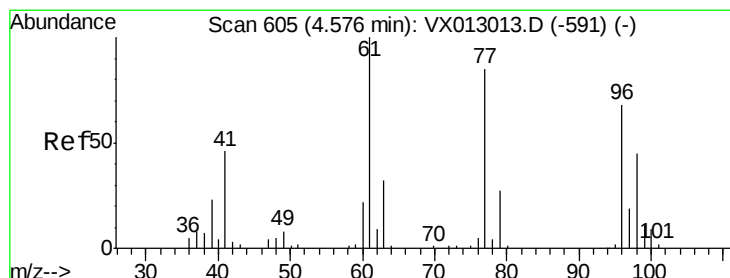
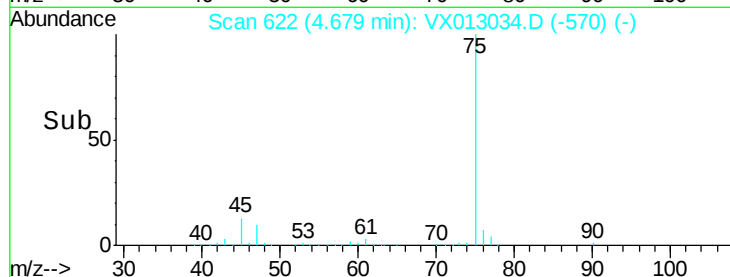
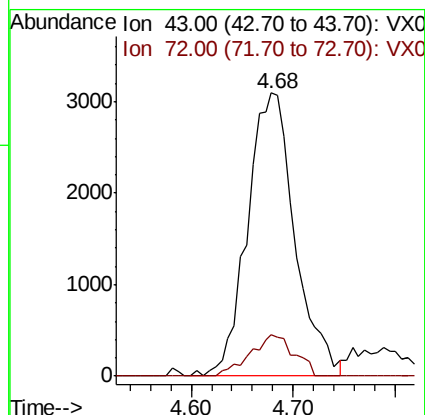
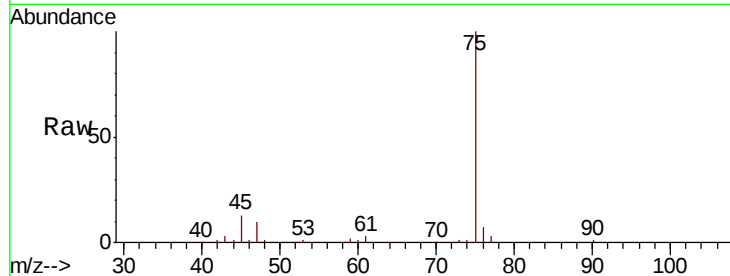
391009764.2-VOA

Tot Ion: 43 Resp: 10020

Ion Ratio Lower Upper

43 100

72 14.7 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 4.630 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.10 min

Lab File: VX013034.D

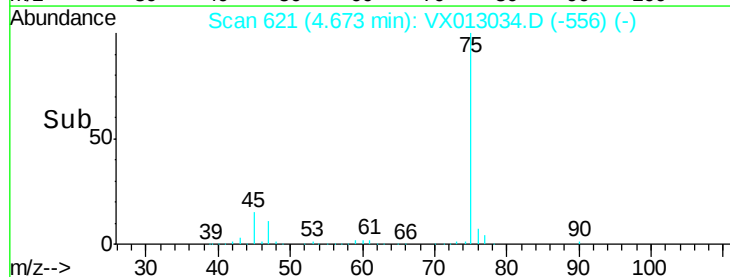
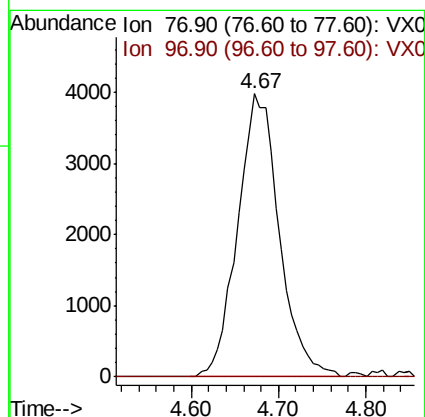
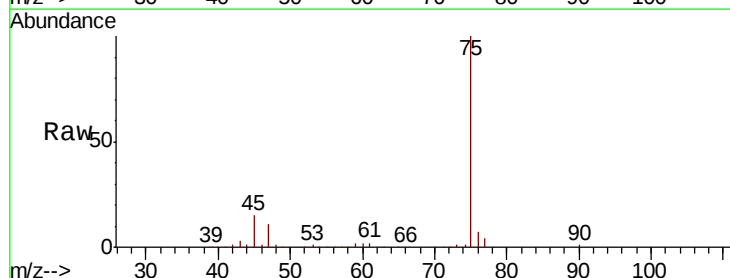
Acq: 11 Oct 2019 22:10

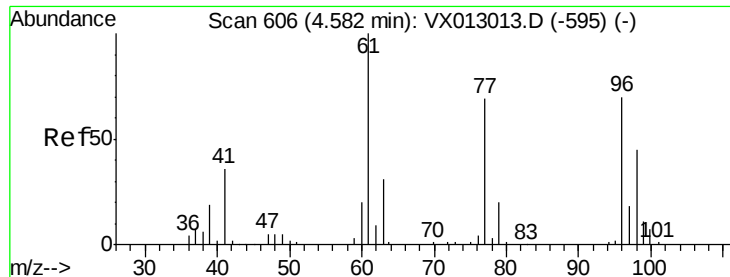
Tgt Ion: 77 Resp: 13165

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#

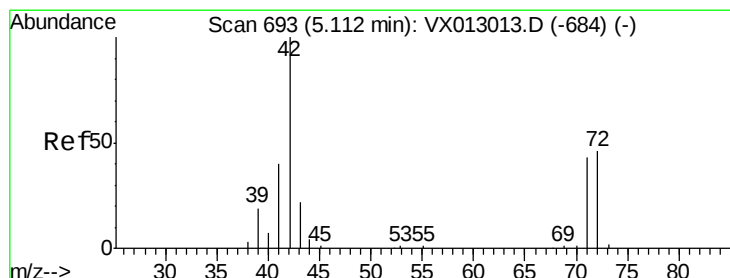
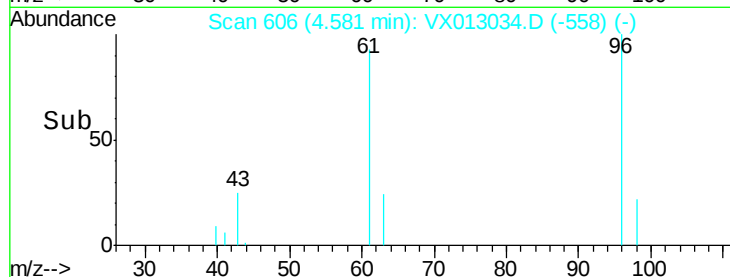
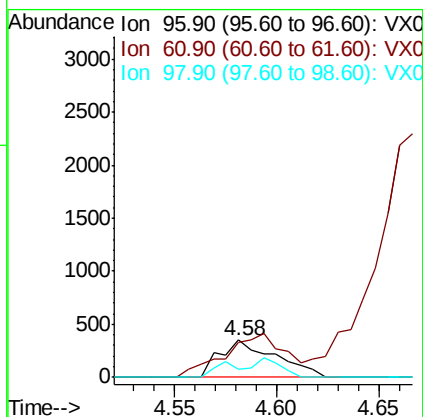
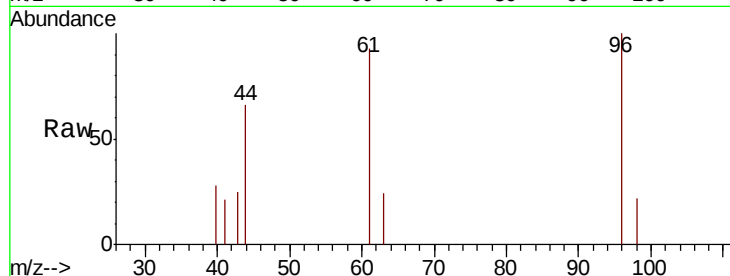




#27
 cis-1,2-Dichloroethene
 Concen: 0.306 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

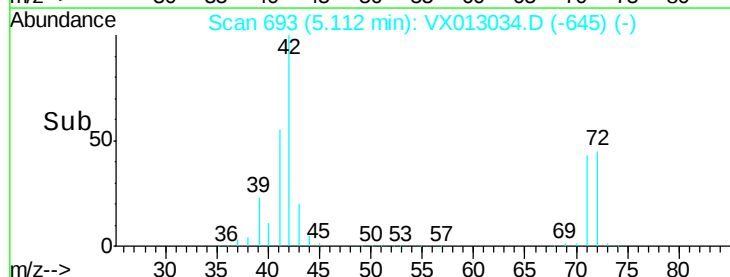
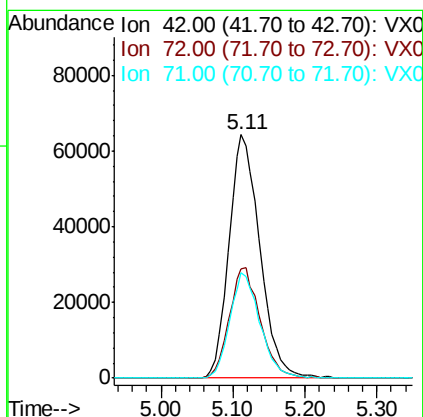
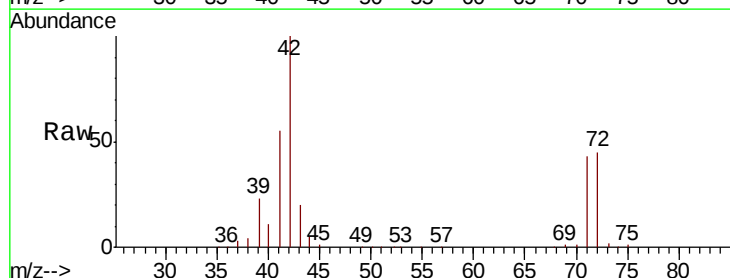
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

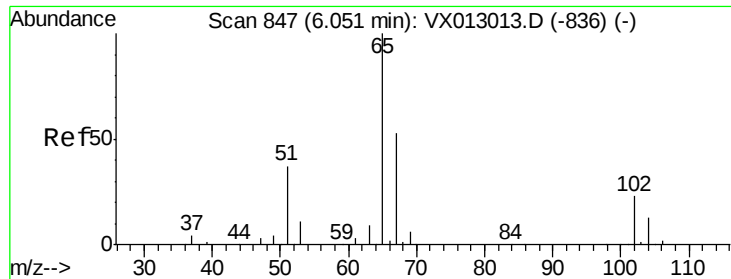
Tot Ion: 96 Resp: 666
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 290.6
 98 17.7 0.0 128.8



#29
 Tetrahydrofuran
 Concen: 195.458 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 42 Resp: 191627
 Ion Ratio Lower Upper
 42 100
 72 45.2 36.9 55.3
 71 42.4 33.5 50.3

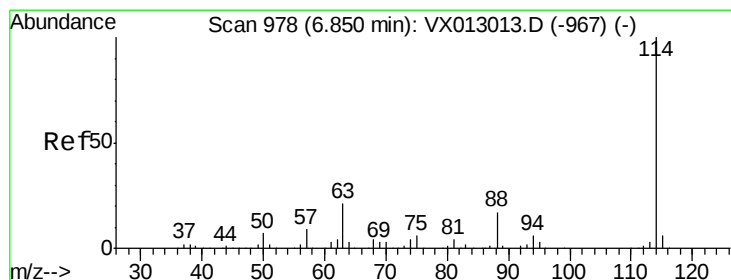
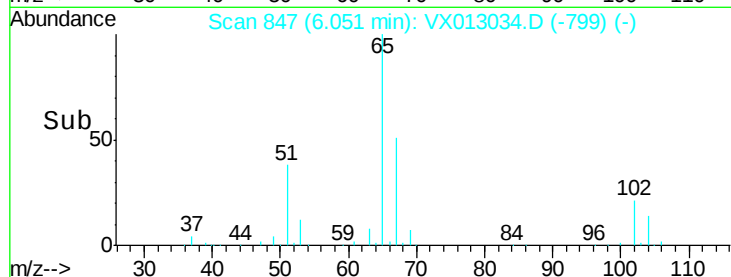
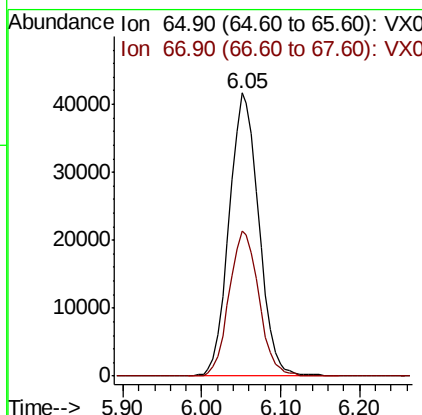
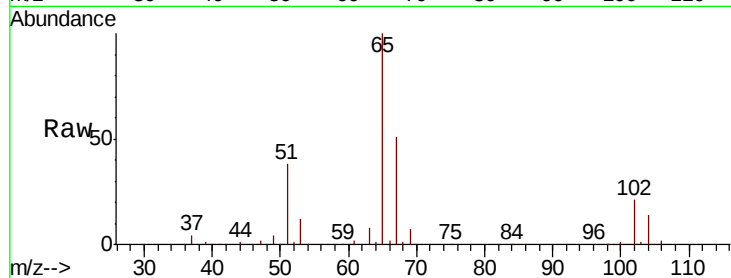




#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

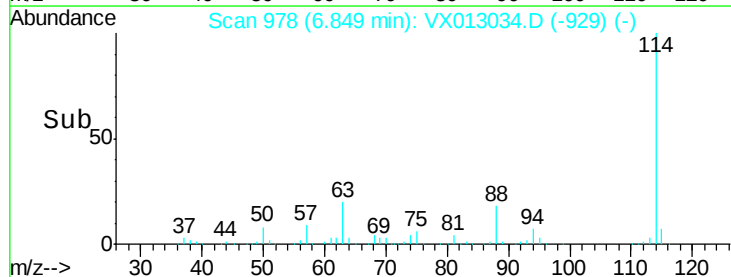
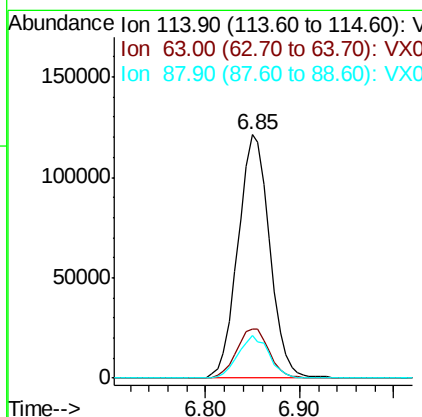
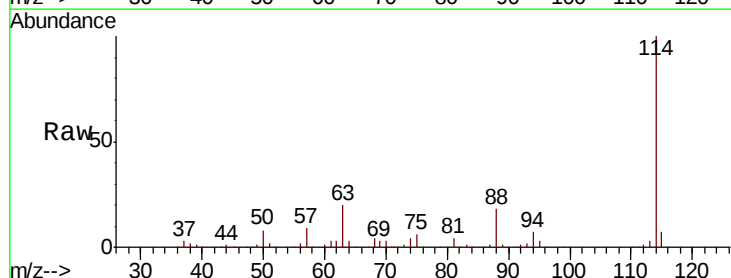
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

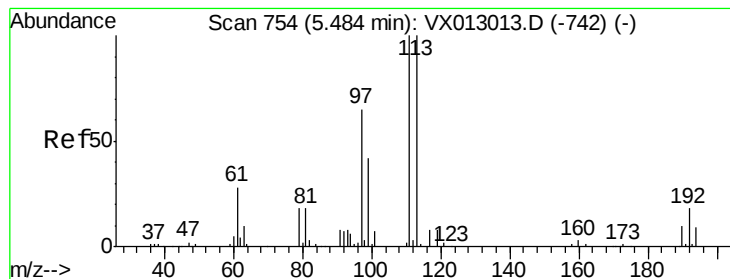
Tot Ion: 65 Resp: 108947
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 114 Resp: 286208
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.662 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

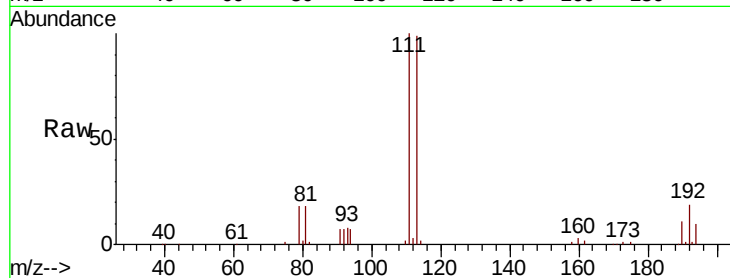
Tot Ion:113 Resp: 83221

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

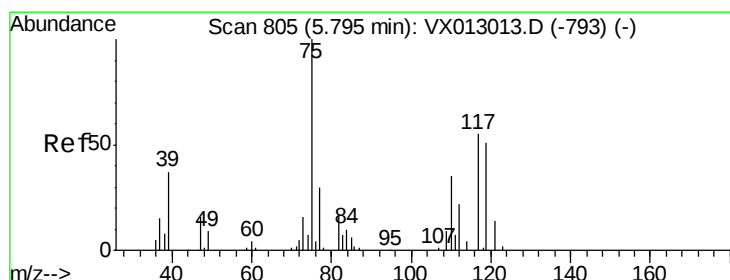
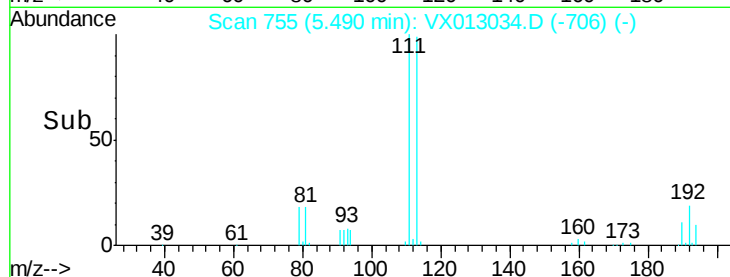
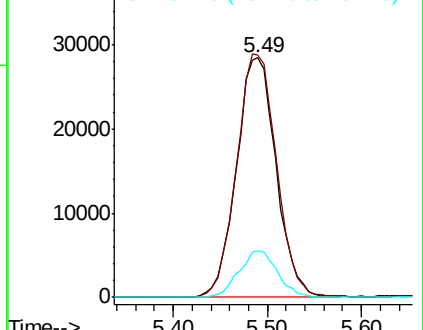
192 19.0 15.4 23.2



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: 5.251 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

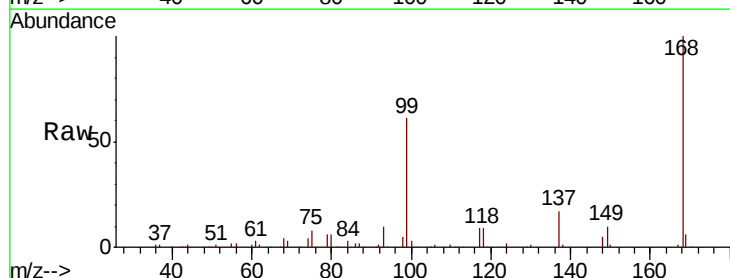
Tgt Ion: 75 Resp: 13213

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.9#

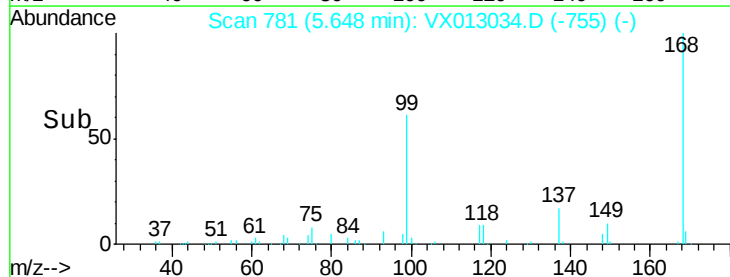
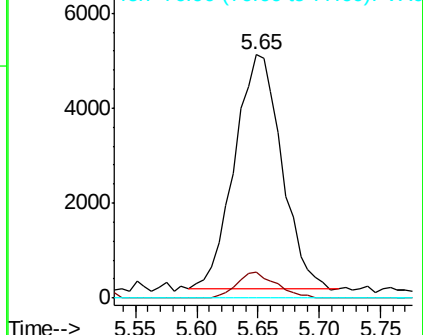
77 0.0 24.4 36.6#

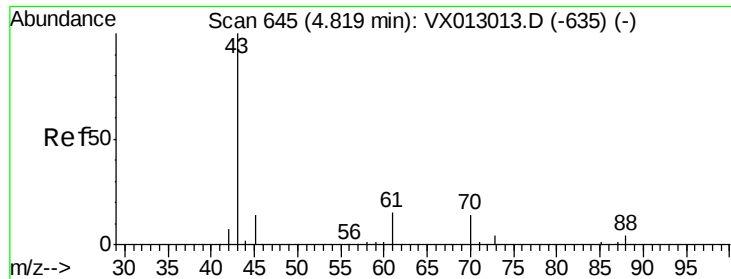


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 3.561 ug/l

RT: 4.68 min Scan# 622

Delta R.T. -0.14 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

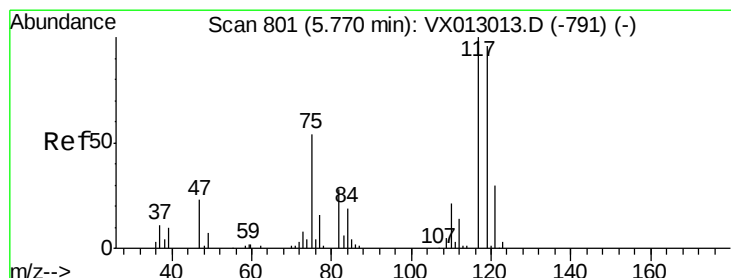
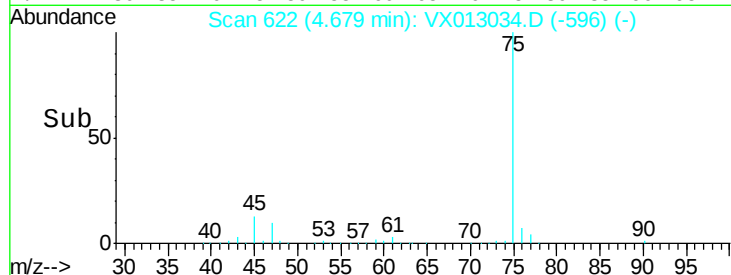
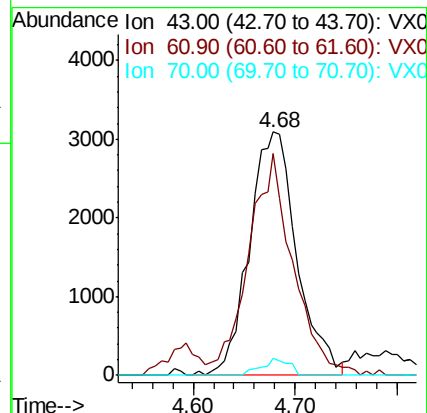
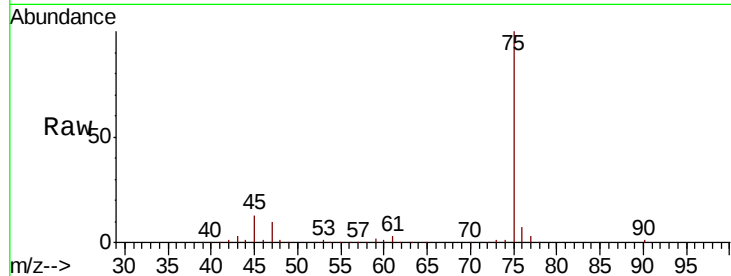
Tot Ion: 43 Resp: 10020

Ion Ratio Lower Upper

43 100

61 85.3 11.4 17.0#

70 3.9 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 7.351 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

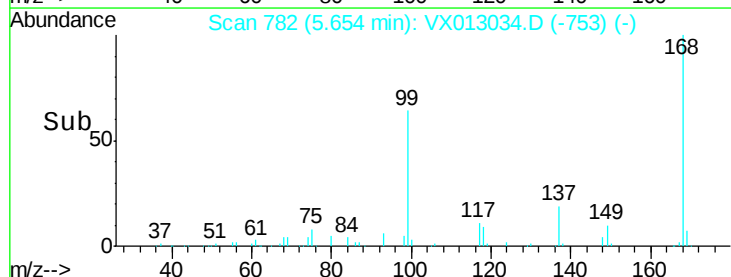
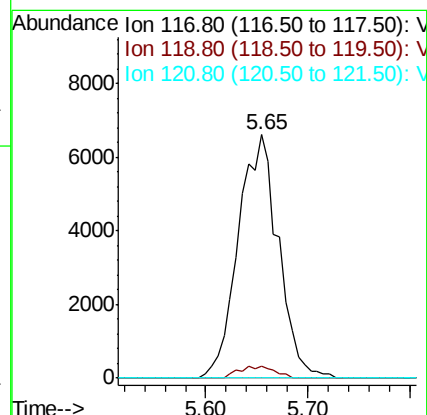
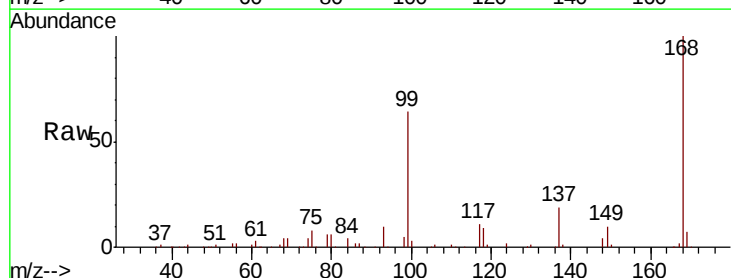
Tgt Ion: 117 Resp: 18004

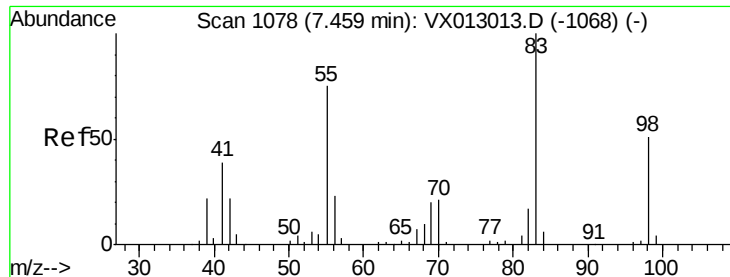
Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

121 0.0 24.2 36.4#

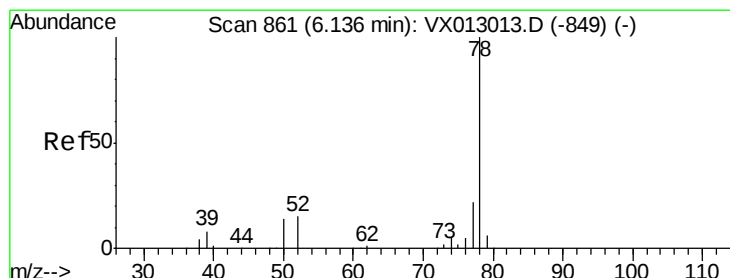
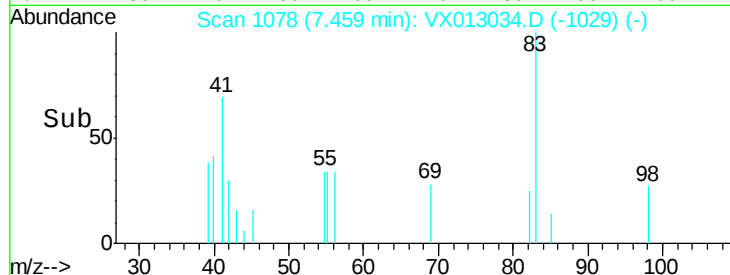
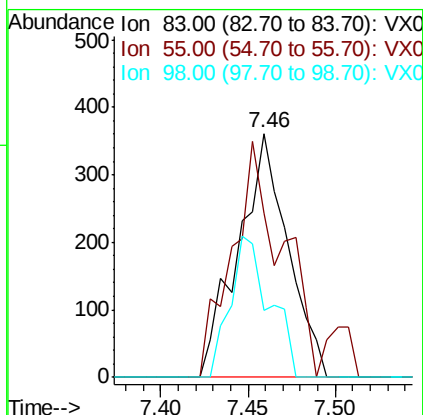
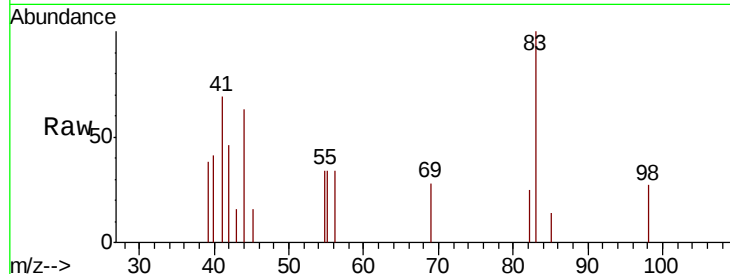




#39
Methvlcvclohexane
Concen: 0.233 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

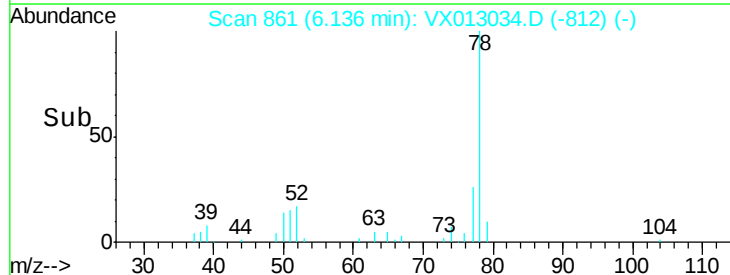
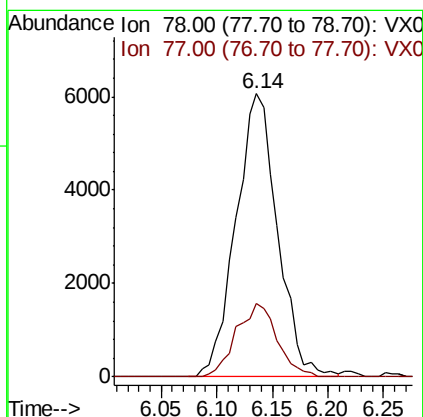
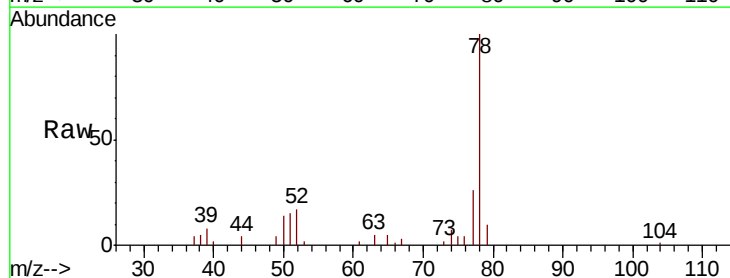
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

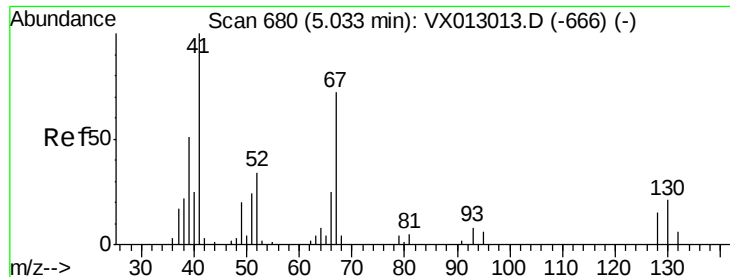
Tot Ion: 83 Resp: 712
Ion Ratio Lower Upper
83 100
55 67.3 60.2 90.4
98 27.4 38.5 57.7#



#40
Benzene
Concen: 2.119 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 78 Resp: 15748
Ion Ratio Lower Upper
78 100
77 25.9 19.0 28.4

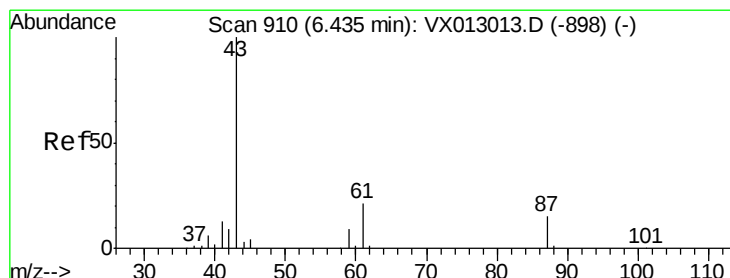
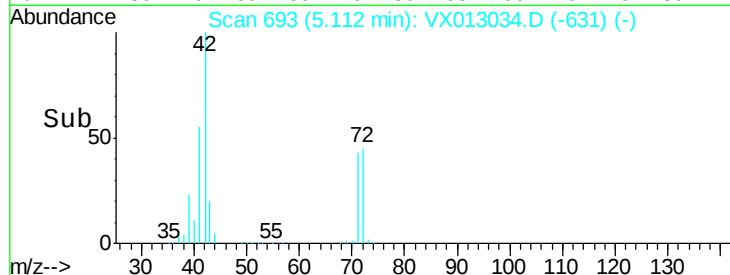
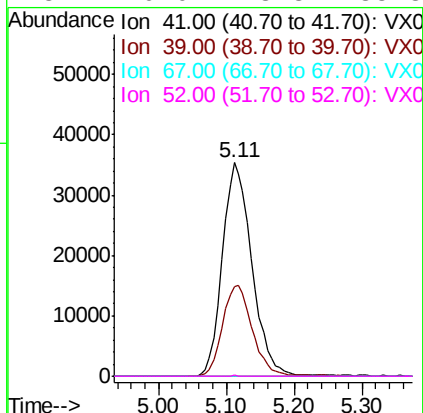
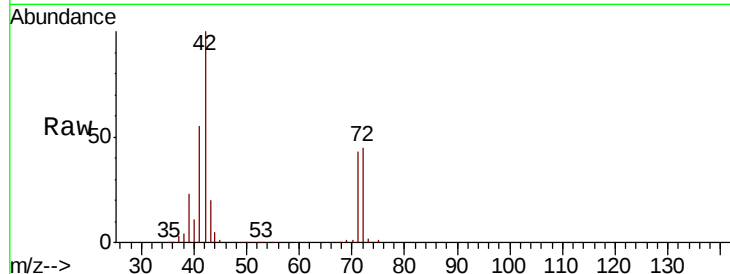




#41
Methacrylonitrile
Concen: 68.556 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.08 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

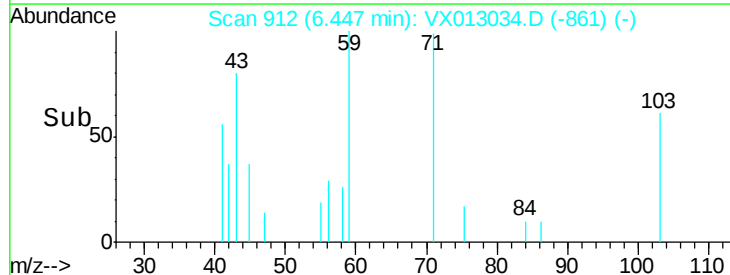
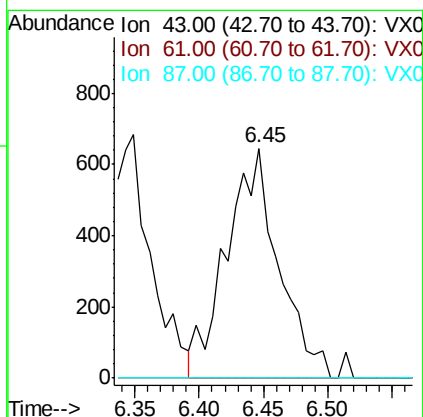
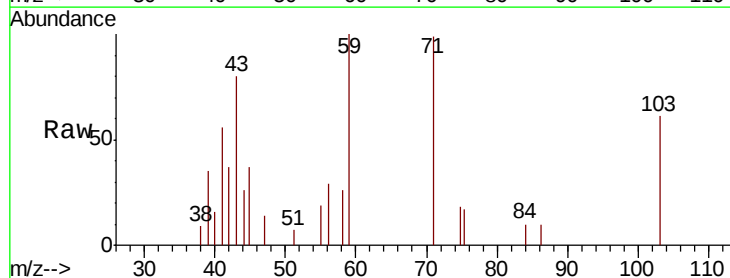
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

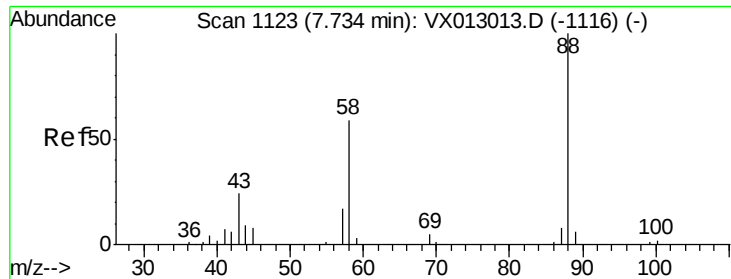
Tot Ion: 41 Resp: 105997
Ion Ratio Lower Upper
41 100
39 42.9 44.0 66.0#
67 0.0 58.5 87.7#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 0.401 ug/l
RT: 6.45 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
61 0.0 16.6 24.8#
87 0.0 11.0 16.6#

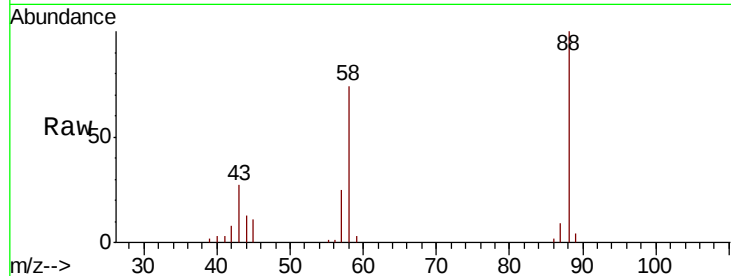




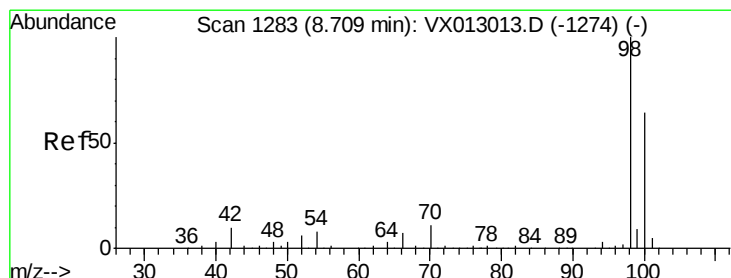
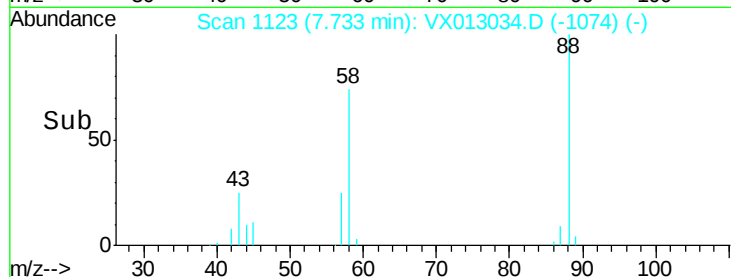
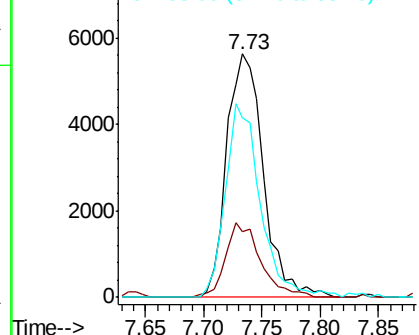
#49
1,4-Dioxane
Concen: 236.369 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion: 88 Resp: 12320
Ion Ratio Lower Upper
88 100
43 29.1 25.0 37.6
58 75.8 55.4 83.2

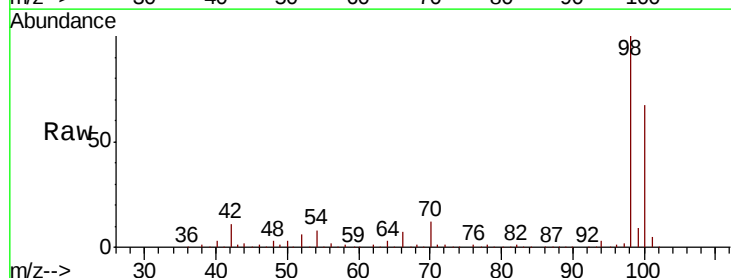


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

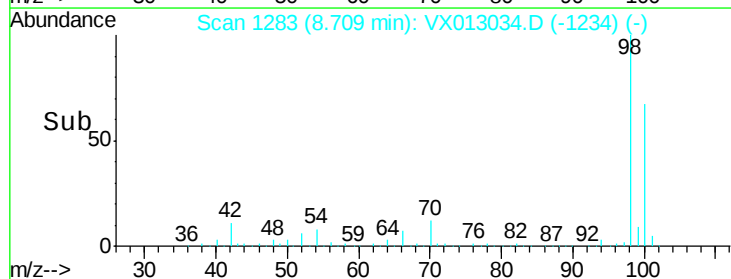
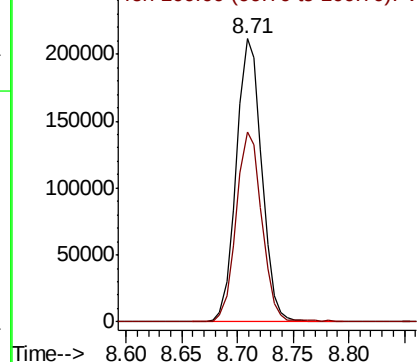


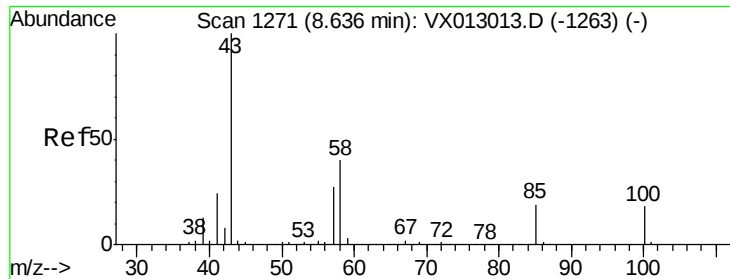
#50
Toluene-d8
Concen: 52.210 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 98 Resp: 334501
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 1.570 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

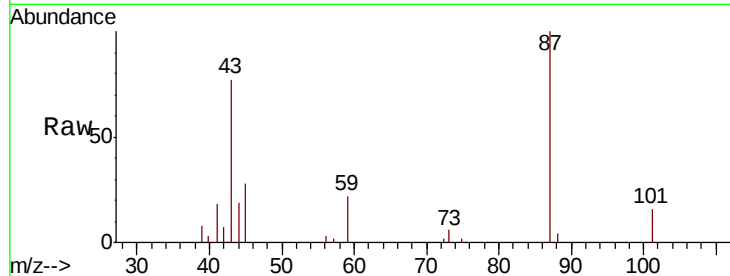
391009764.2-VOA

Tot Ion: 43 Resp: 4420

Ion Ratio Lower Upper

43 100

58 10.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.61

2500

2000

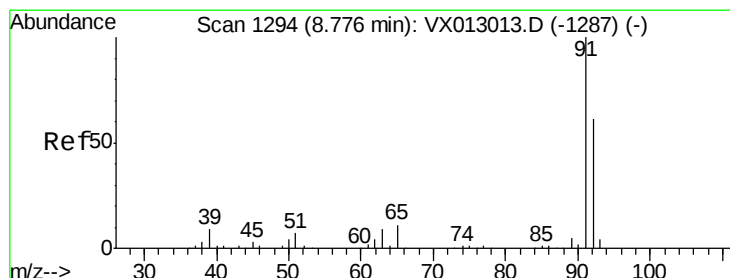
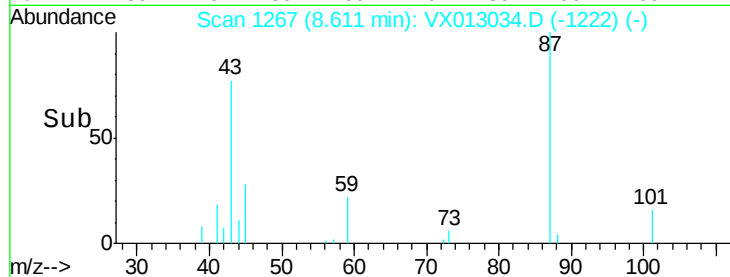
1500

1000

500

0

Time-->



#52

Toluene

Concen: 0.788 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013034.D

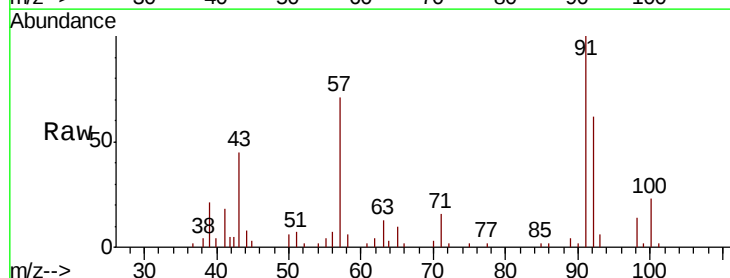
Acq: 11 Oct 2019 22:10

Tgt Ion: 92 Resp: 3748

Ion Ratio Lower Upper

92 100

91 160.9 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

4000

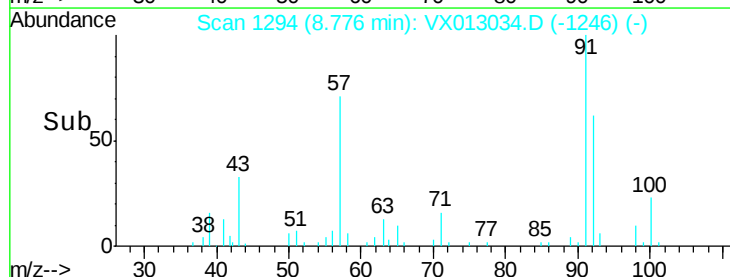
3000

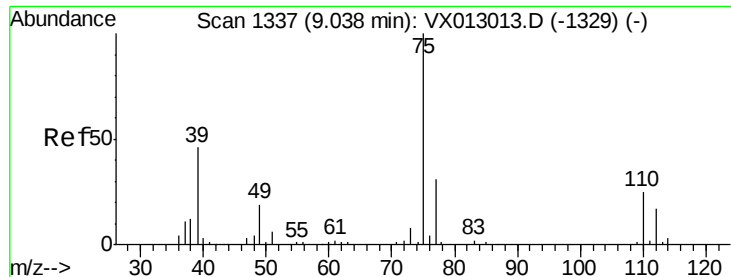
2000

1000

0

Time-->

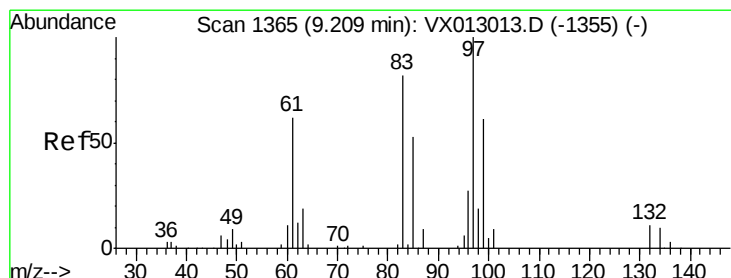
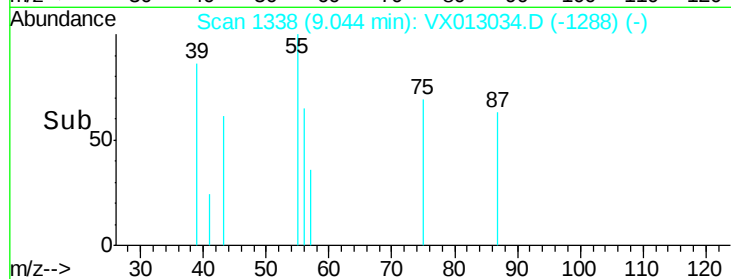
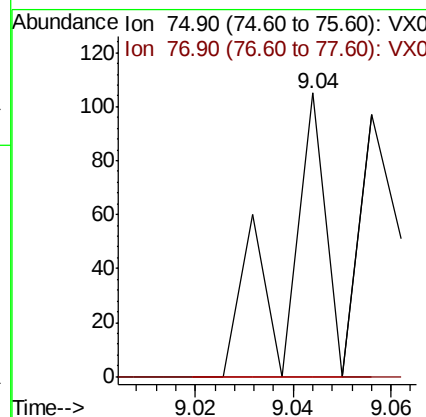
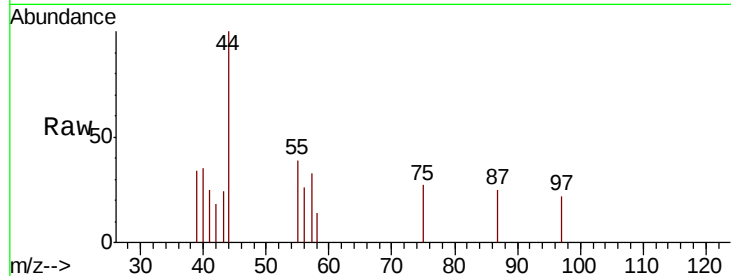




#53
t-1,3-Dichloropropene
Concen: 2.188 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

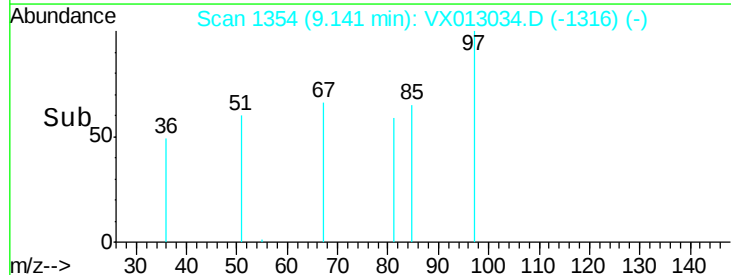
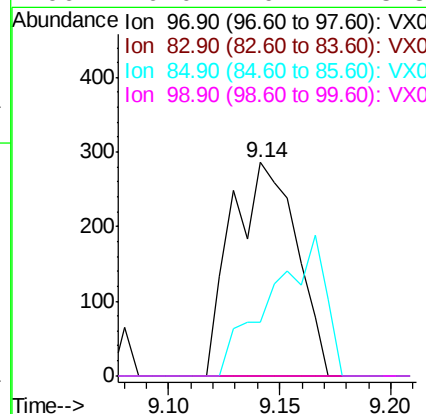
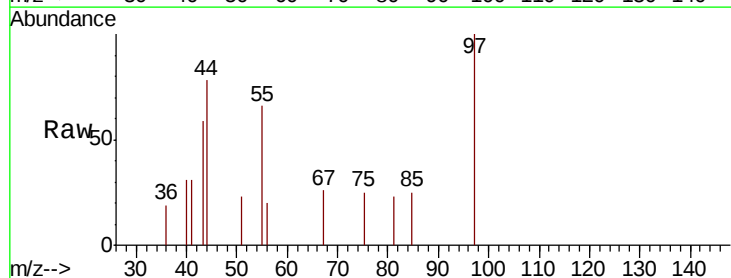
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

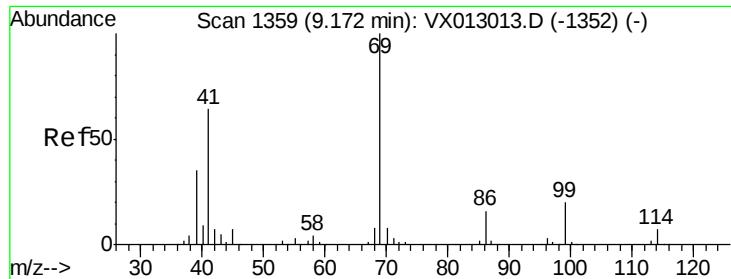
Tot Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 0.307 ug/l
RT: 9.14 min Scan# 1354
Delta R.T. -0.07 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 97 Resp: 577
Ion Ratio Lower Upper
97 100
83 0.0 66.5 99.7#
85 25.2 43.1 64.7#
99 0.0 49.2 73.8#





#56

Ethyl methacrylate

Concen: 1.837 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.02 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

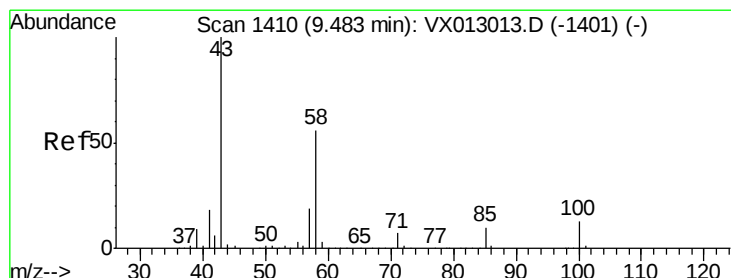
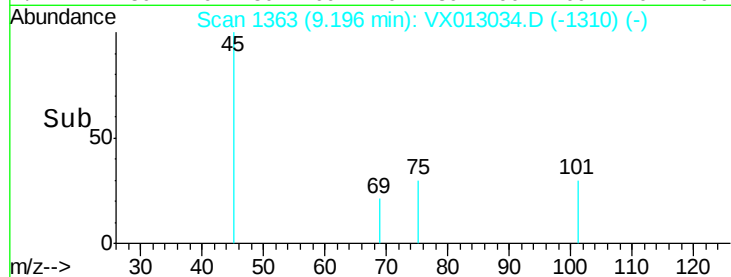
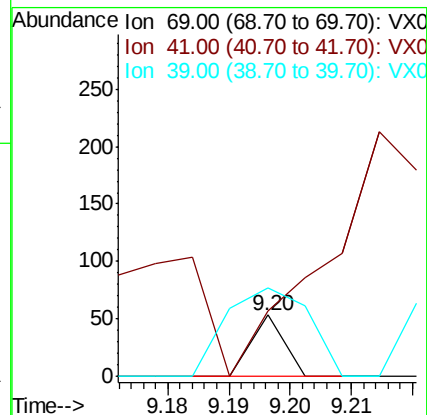
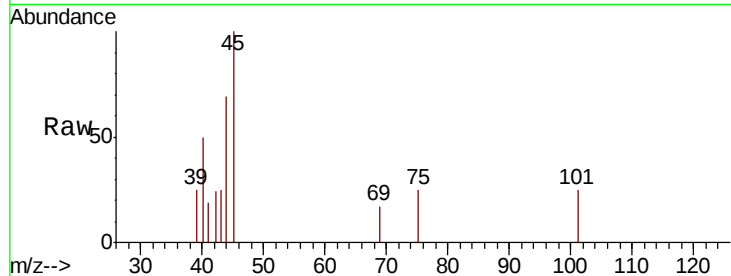
Tot Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 0.0 52.1 78.1#

39 378.9 27.8 41.8#



#59

2-Hexanone

Concen: 1.880 ug/l

RT: 9.30 min Scan# 1380

Delta R.T. -0.19 min

Lab File: VX013034.D

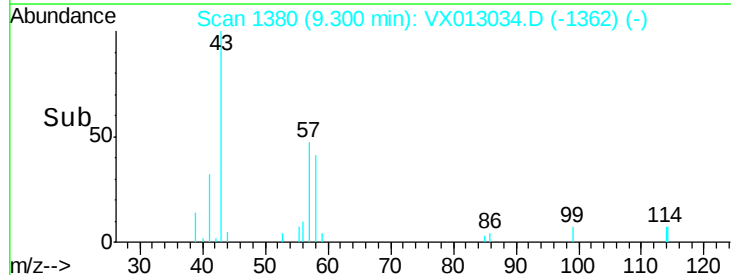
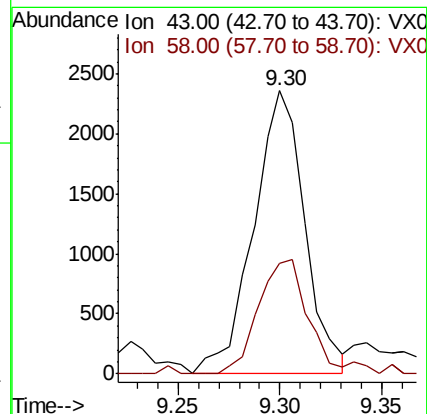
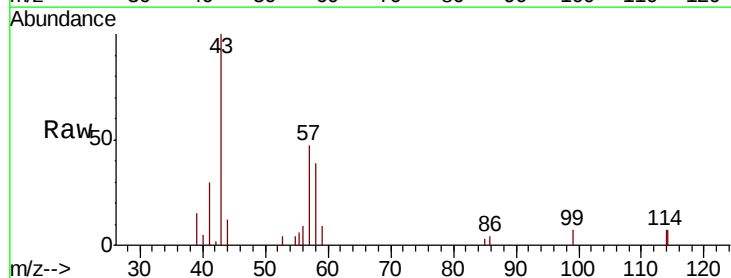
Acq: 11 Oct 2019 22:10

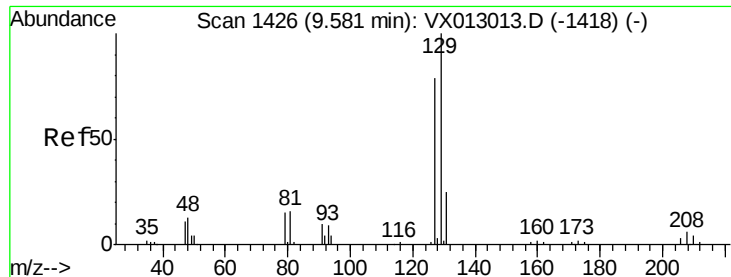
Tgt Ion: 43 Resp: 4120

Ion Ratio Lower Upper

43 100

58 40.7 28.1 84.3





#60

Dibromochloromethane

Concen: 1.869 ug/l

RT: 9.62 min Scan# 1433

Delta R.T. 0.04 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

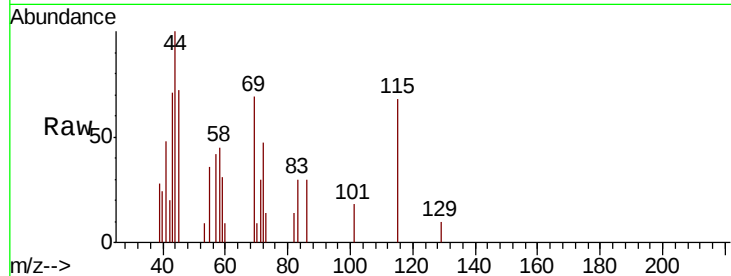
391009764.2-VOA

Tot Ion:129 Resp: 26

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#

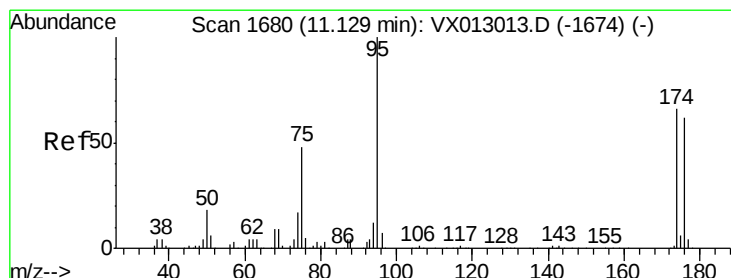
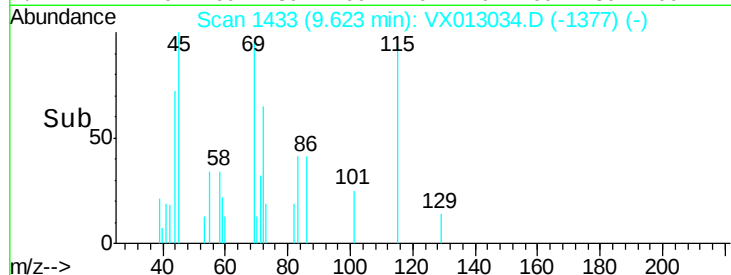


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.62

Time--> 9.60 9.61 9.62 9.63 9.64



#62

4-Bromofluorobenzene

Concen: 44.973 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

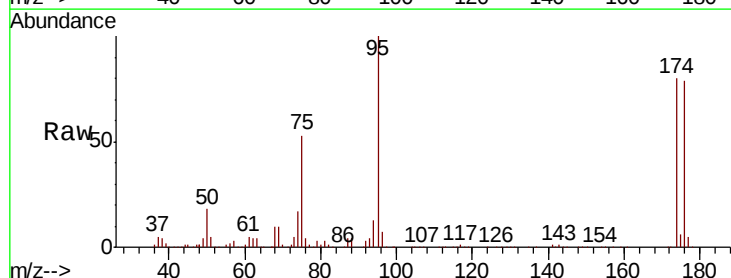
Tgt Ion: 95 Resp: 111957

Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.4

176 71.8 0.0 136.0



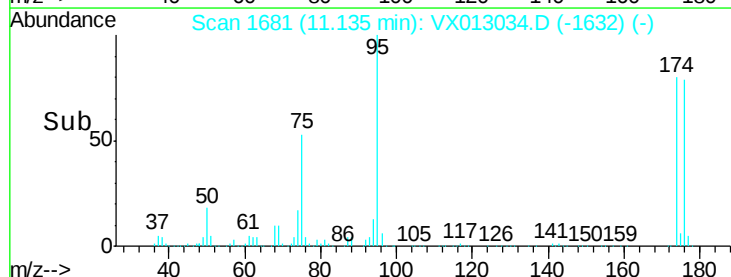
Abundance Ion 94.90 (94.60 to 95.60): VX0

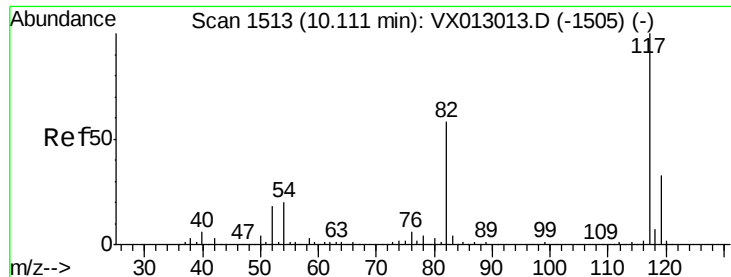
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time--> 11.05 11.10 11.15 11.20

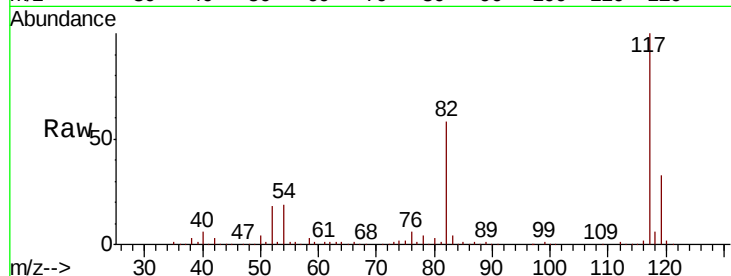




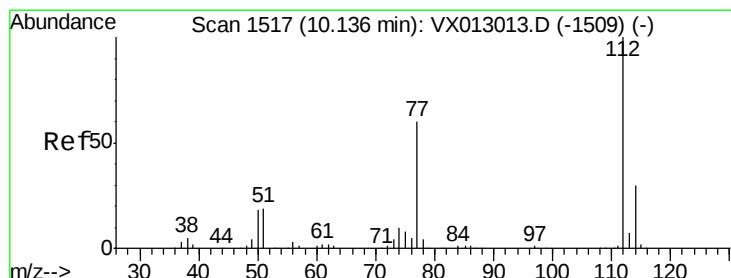
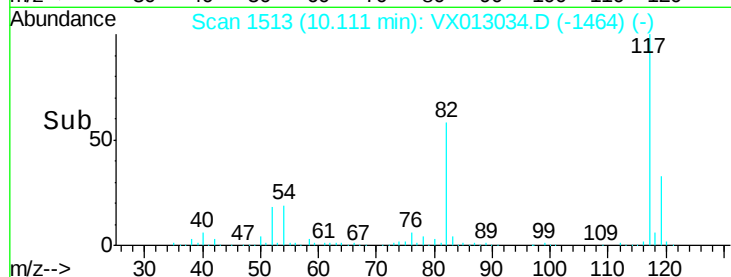
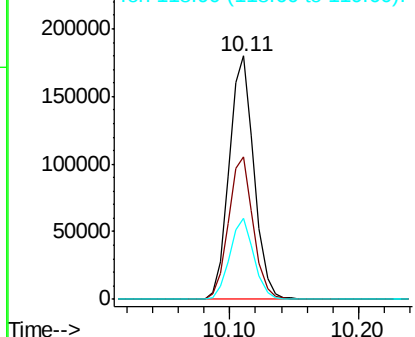
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion:117 Resp: 242506
Ion Ratio Lower Upper
117 100
82 58.4 44.1 66.1
119 33.2 25.8 38.8

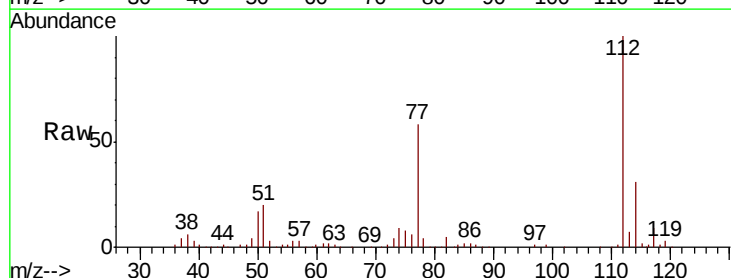


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

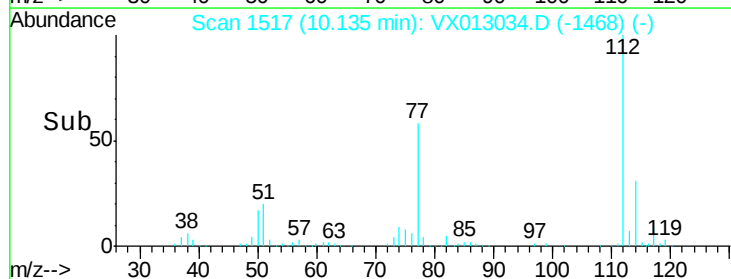
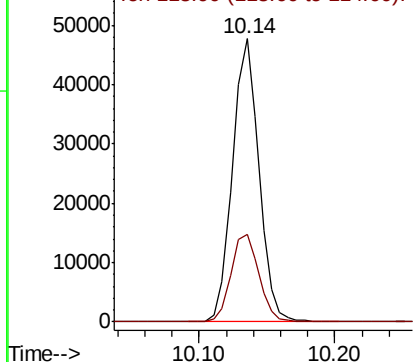


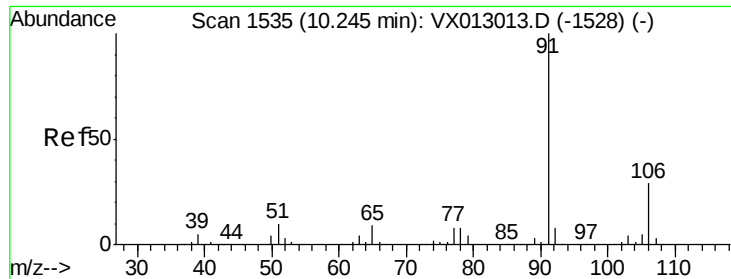
#65
Chlorobenzene
Concen: 13.413 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion:112 Resp: 64596
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

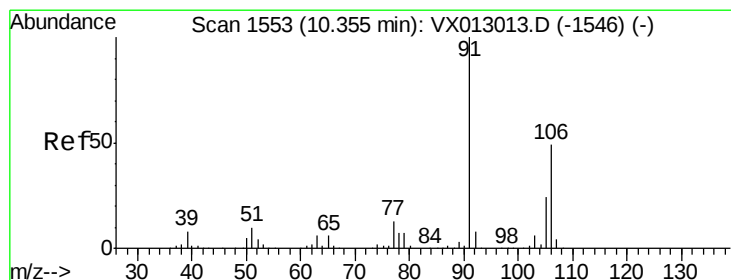
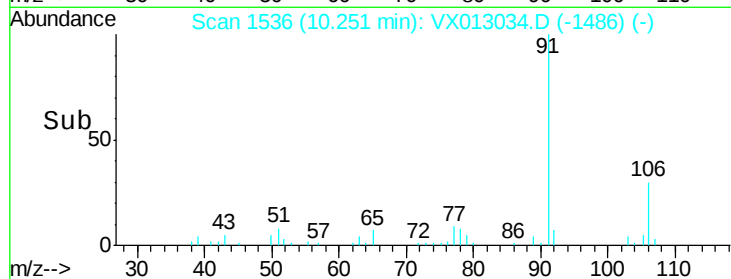
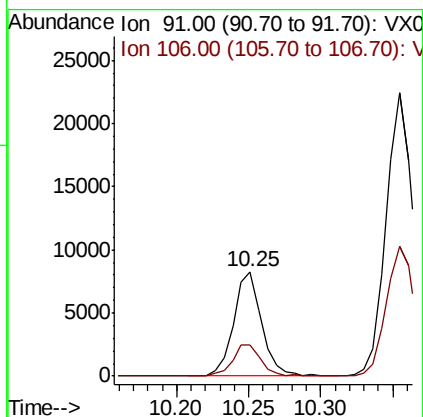
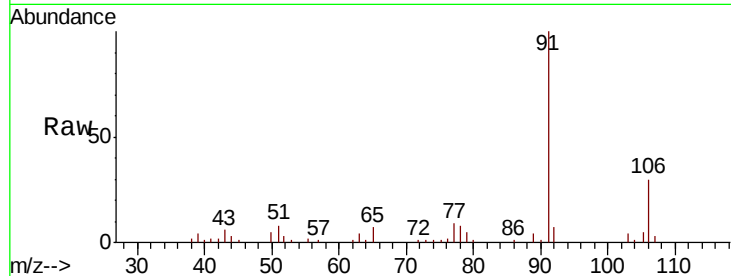




#67
Ethyl Benzene
Concen: 1.318 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

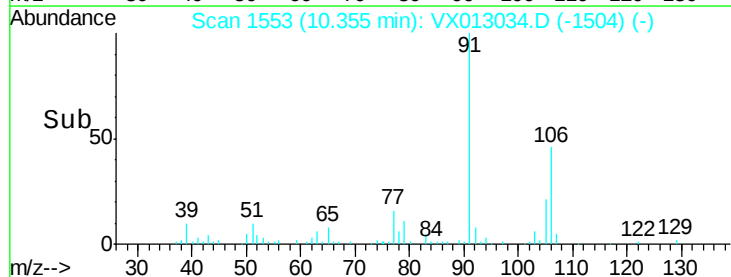
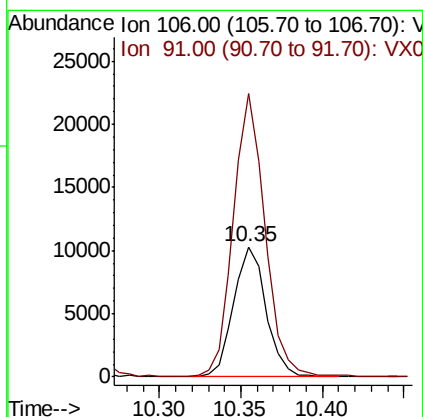
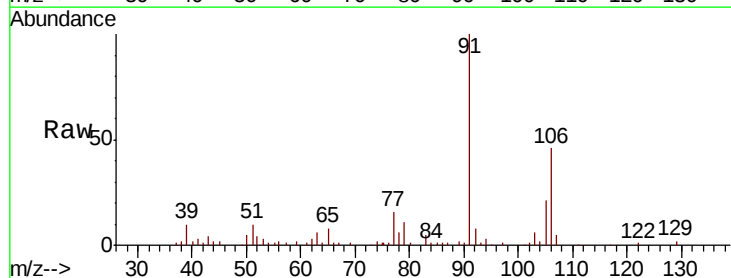
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

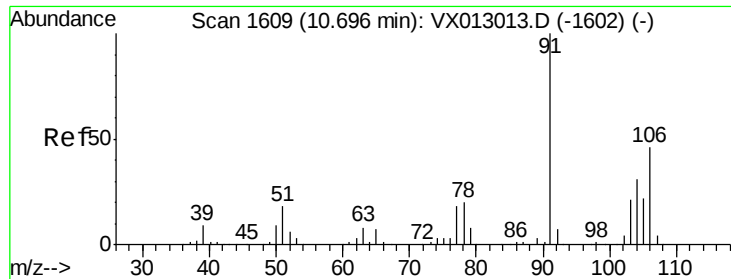
Tot Ion: 91 Resp: 11272
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



#68
m/p-Xylenes
Concen: 4.473 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 106 Resp: 14293
Ion Ratio Lower Upper
106 100
91 212.7 165.3 247.9

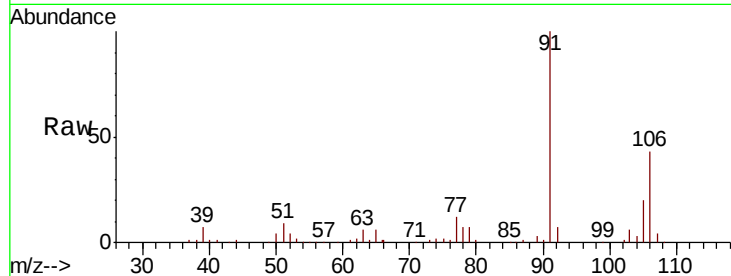




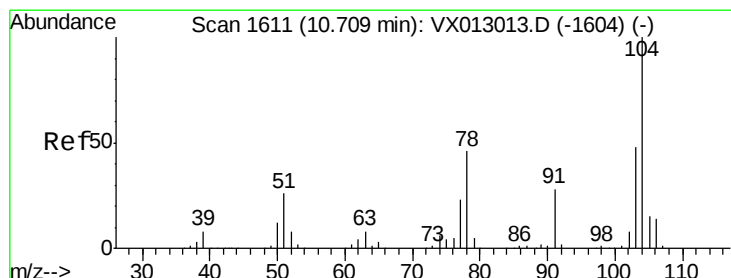
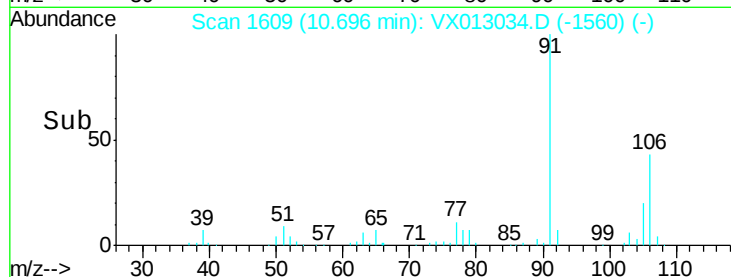
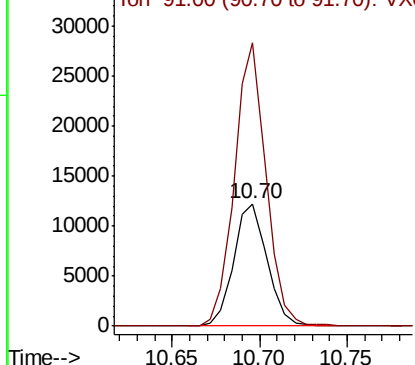
#69
o-Xylene
Concen: 5.205 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion:106 Resp: 16220
Ion Ratio Lower Upper
106 100
91 218.4 109.1 327.3

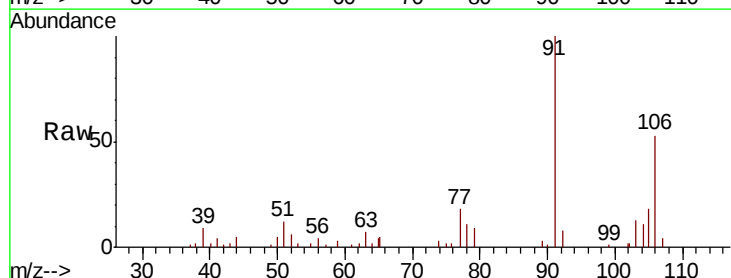


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

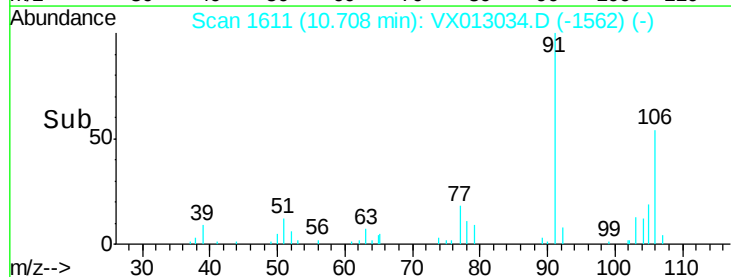
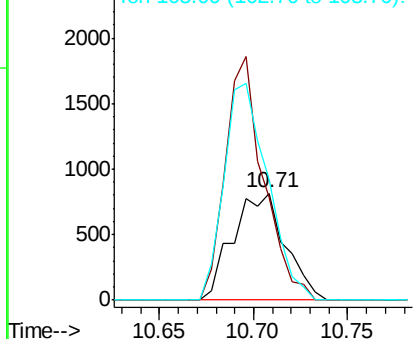


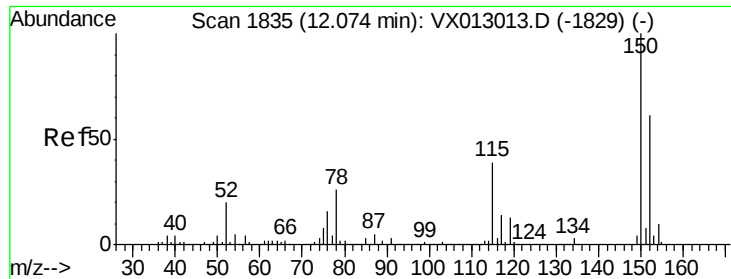
#70
Styrene
Concen: 0.295 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion:104 Resp: 1564
Ion Ratio Lower Upper
104 100
78 167.5 41.2 61.8#
103 170.5 43.0 64.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

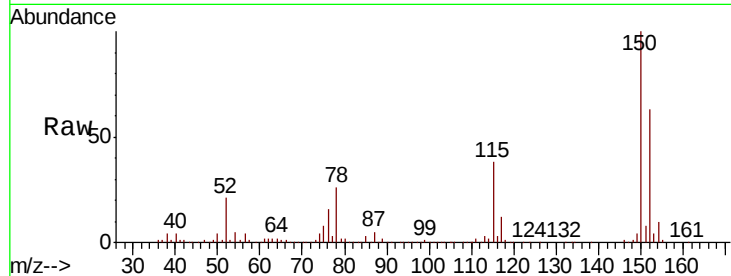
Tot Ion:152 Resp: 99748

Ion Ratio Lower Upper

152 100

115 61.1 44.5 133.5

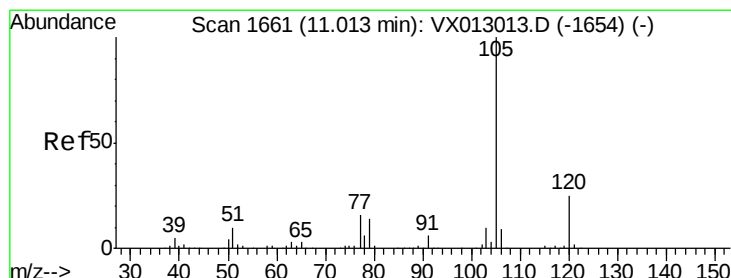
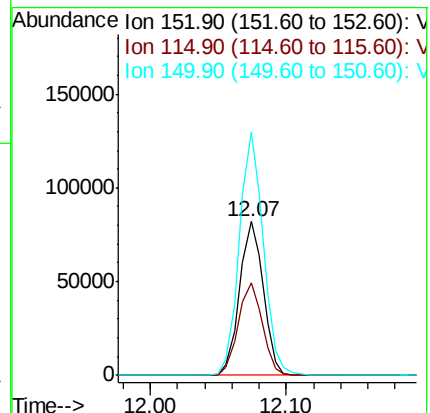
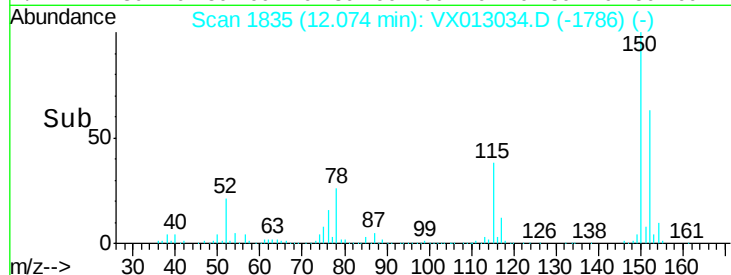
150 159.3 0.0 353.4



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: 1.668 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013034.D

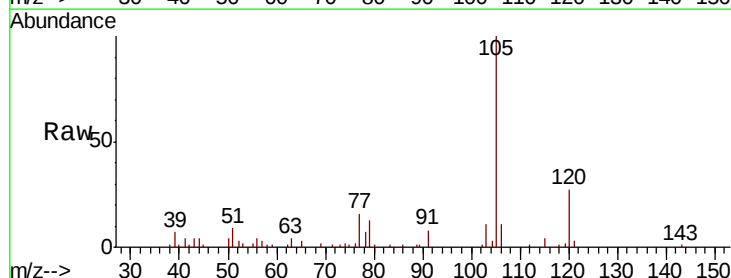
Acq: 11 Oct 2019 22:10

Tgt Ion:105 Resp: 12234

Ion Ratio Lower Upper

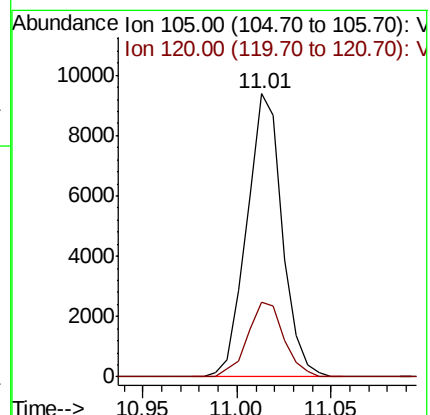
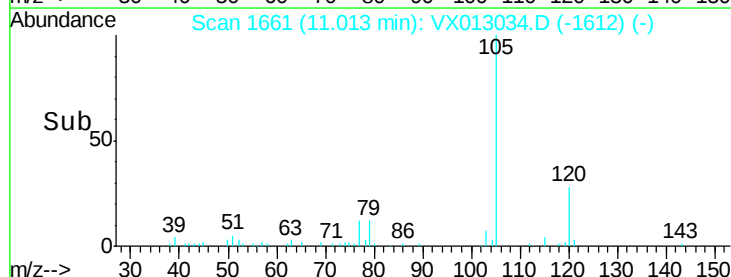
105 100

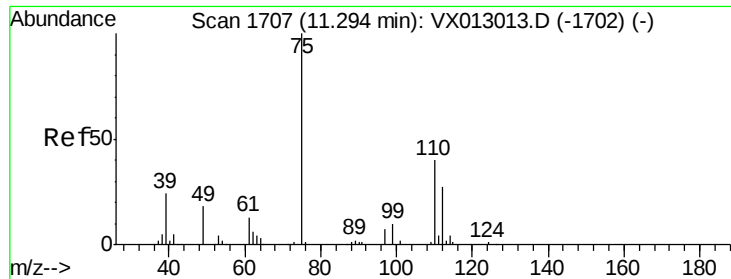
120 27.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

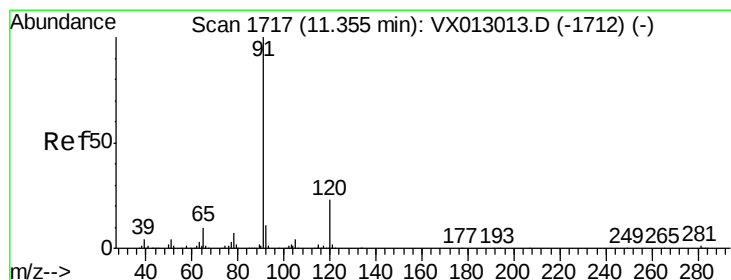
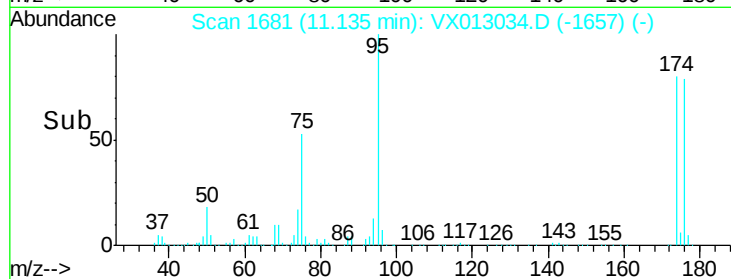
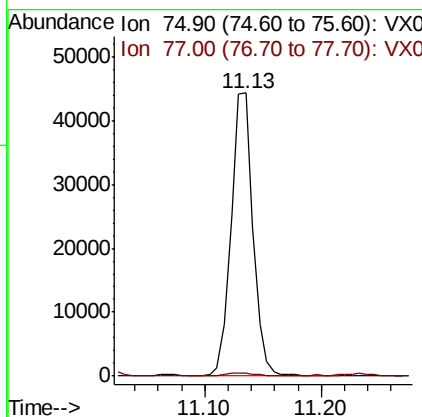
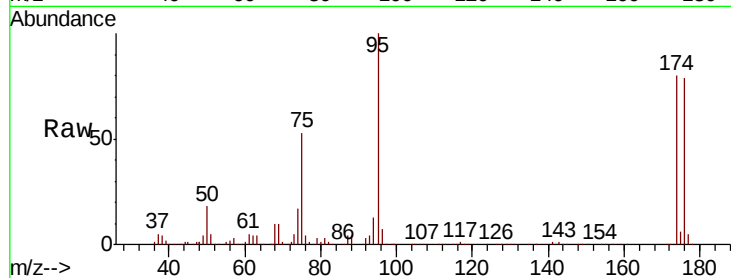




#76
 1,2,3-Trichloropropane
 Concen: 26.306 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.15 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

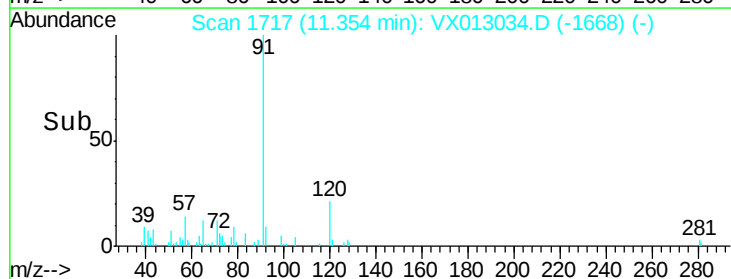
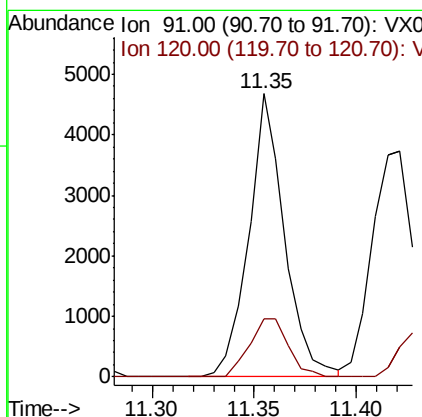
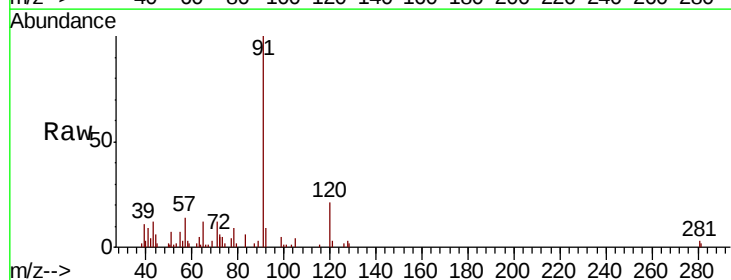
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

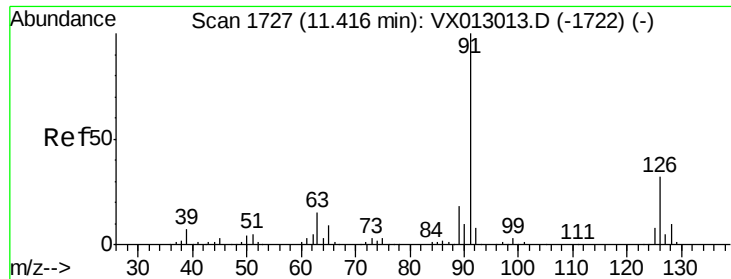
Tot Ion: 75 Resp: 58199
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.9 68.8#



#78
 n-propylbenzene
 Concen: 0.708 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 91 Resp: 5713
 Ion Ratio Lower Upper
 91 100
 120 22.3 11.7 35.1

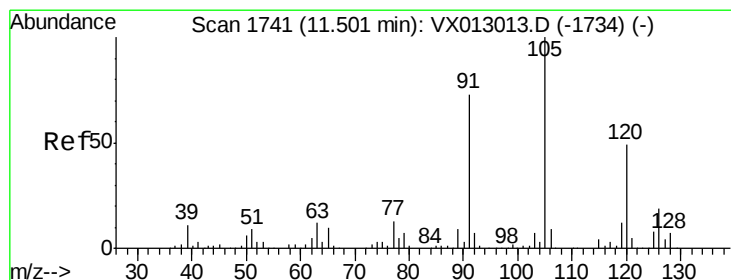
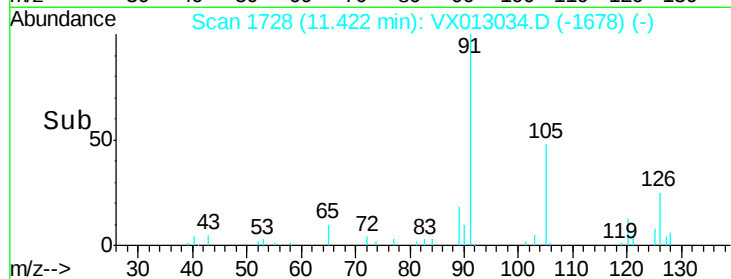
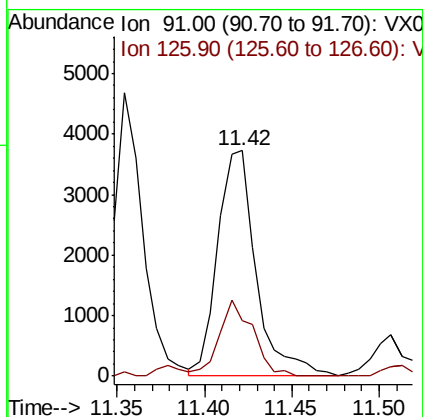
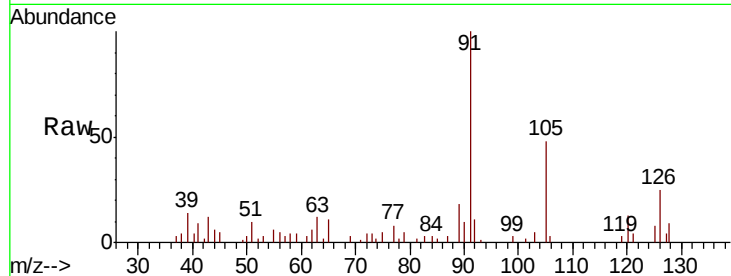




#79
 2-Chlorotoluene
 Concen: 1.129 ug/l
 RT: 11.42 min Scan# 1728
 Delta R.T. 0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

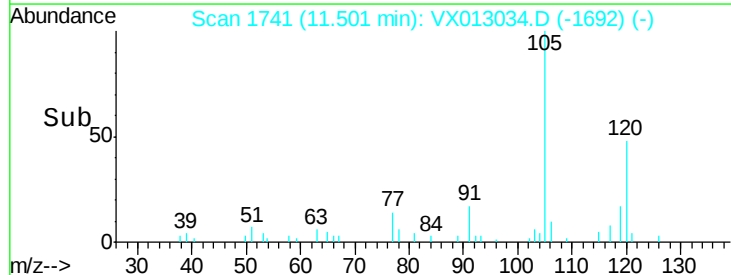
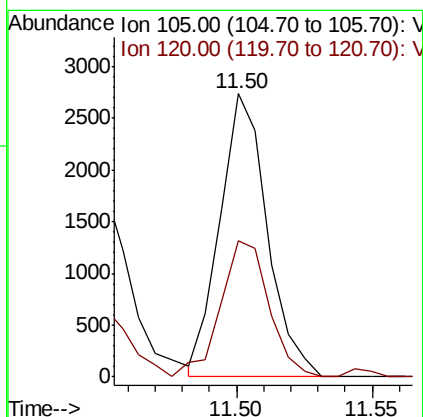
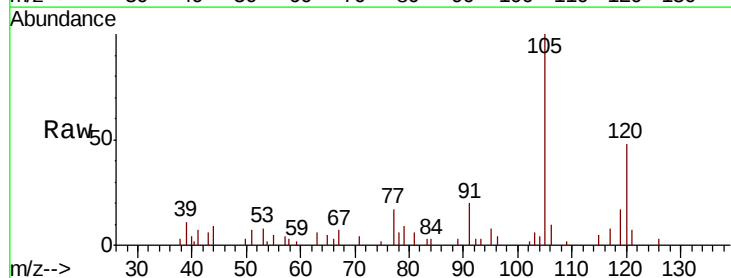
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

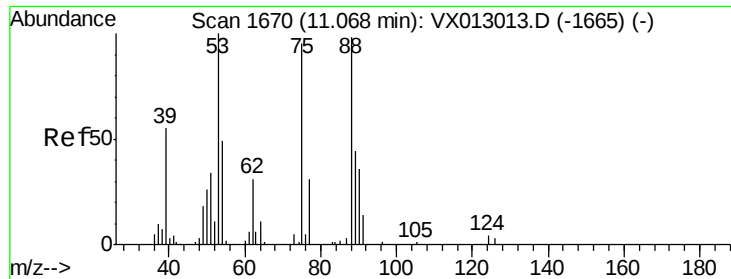
Tot Ion: 91 Resp: 5727
 Ion Ratio Lower Upper
 91 100
 126 29.5 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.539 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 105 Resp: 3302
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 66.204 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

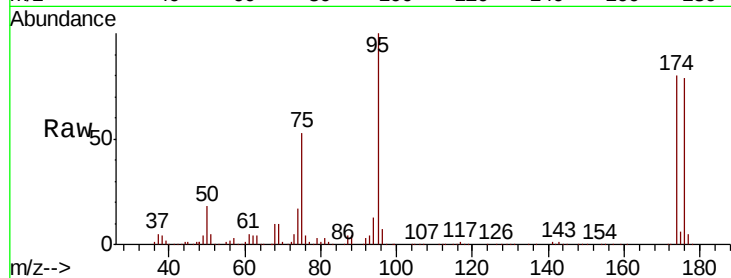
Tot Ion: 75 Resp: 58199

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

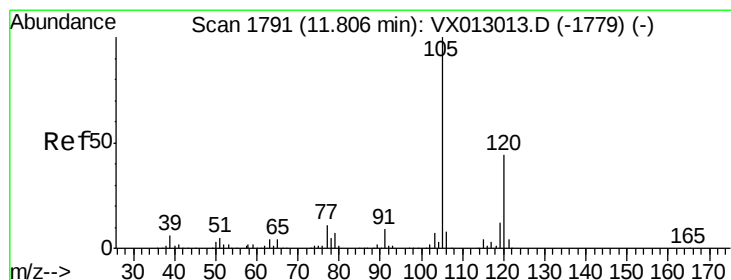
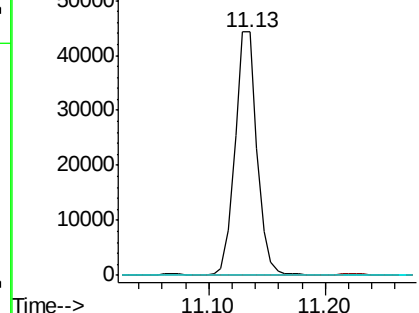
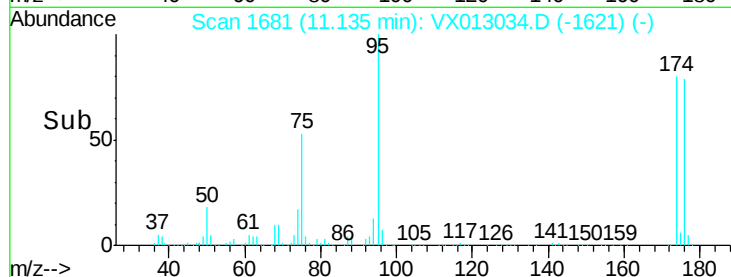
89 0.2 37.4 56.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.819 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013034.D

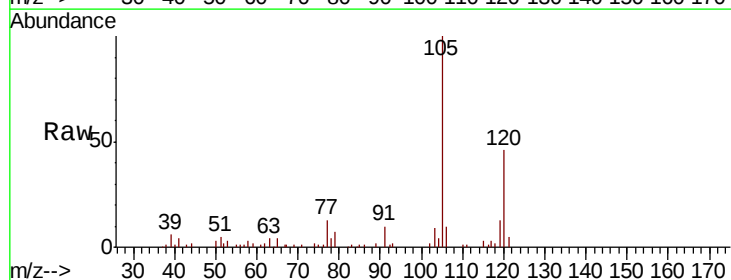
Acq: 11 Oct 2019 22:10

Tgt Ion:105 Resp: 17482

Ion Ratio Lower Upper

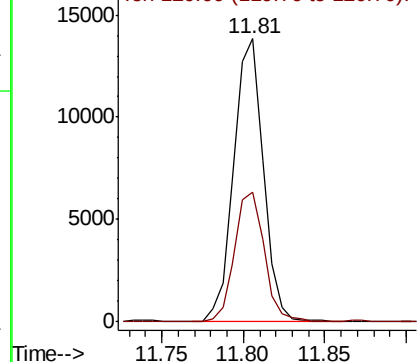
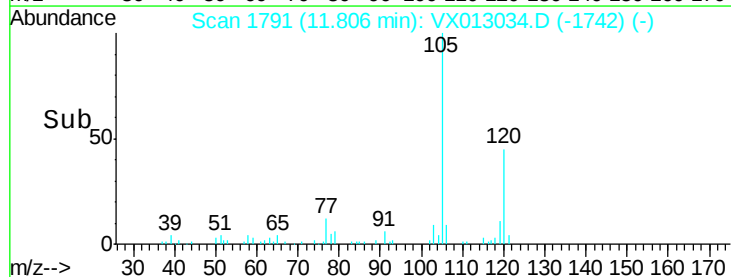
105 100

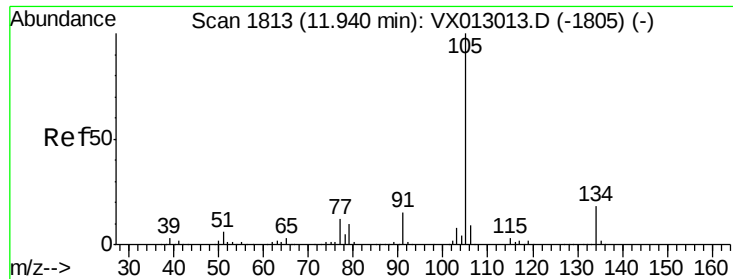
120 46.1 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.243 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

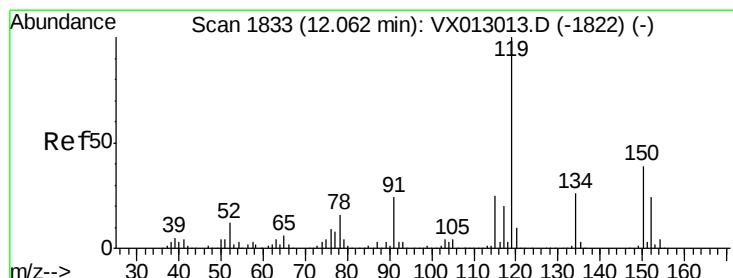
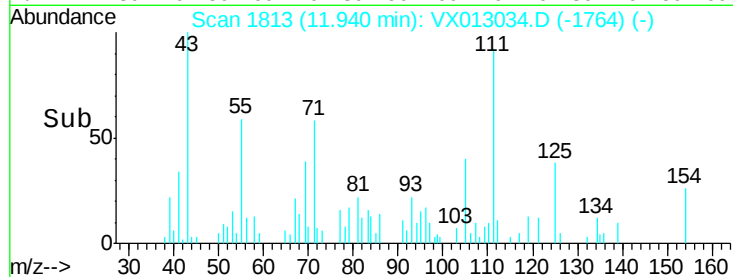
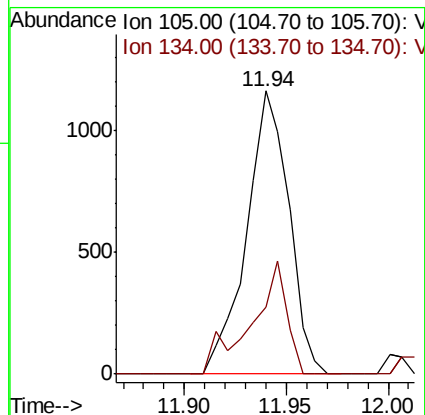
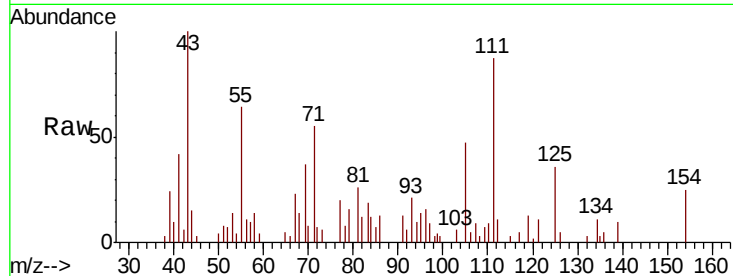
391009764.2-VOA

Tot Ion:105 Resp: 1679

Ion Ratio Lower Upper

105 100

134 33.7 10.0 30.0#



#86

p-Isopropyltoluene

Concen: 0.278 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

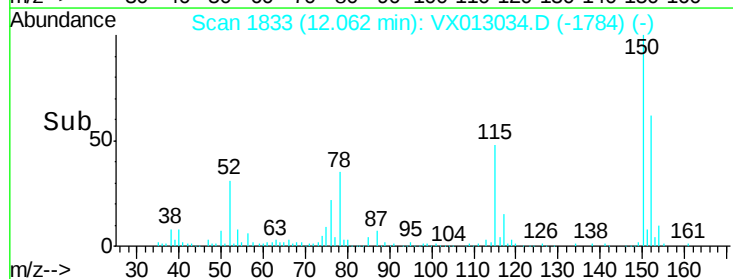
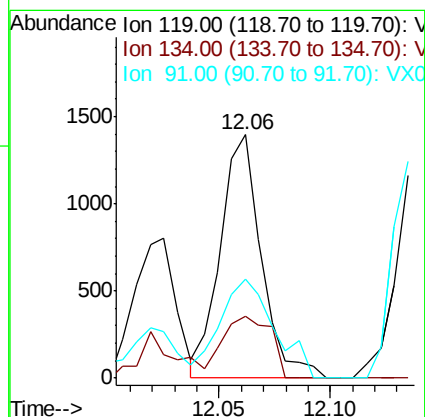
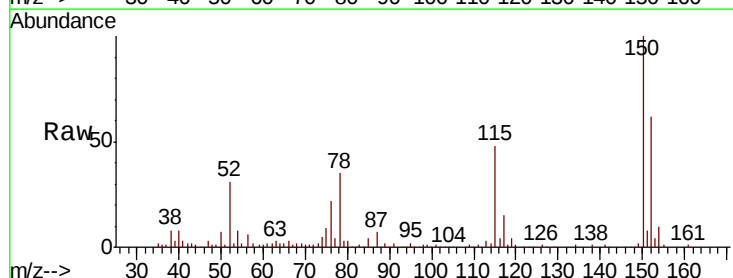
Tgt Ion:119 Resp: 1782

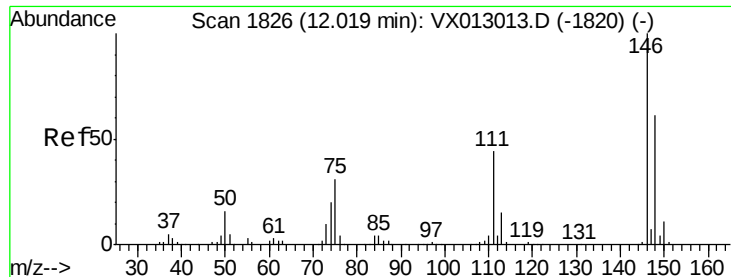
Ion Ratio Lower Upper

119 100

134 29.5 12.6 37.8

91 54.1 12.4 37.4#

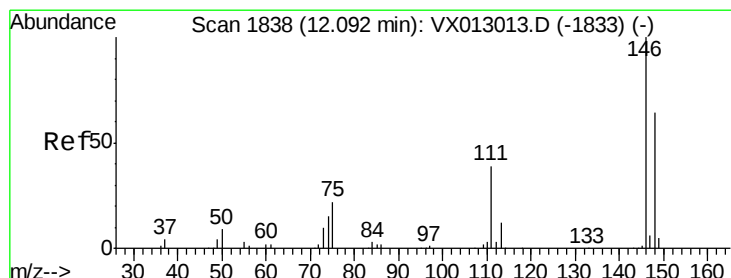
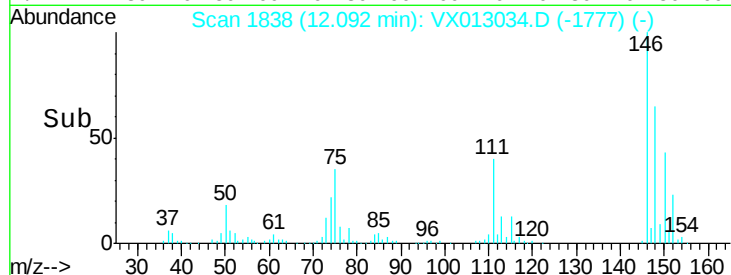
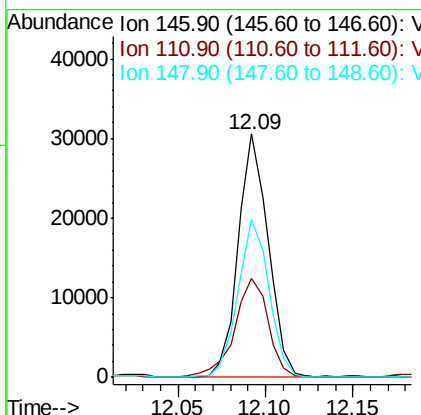
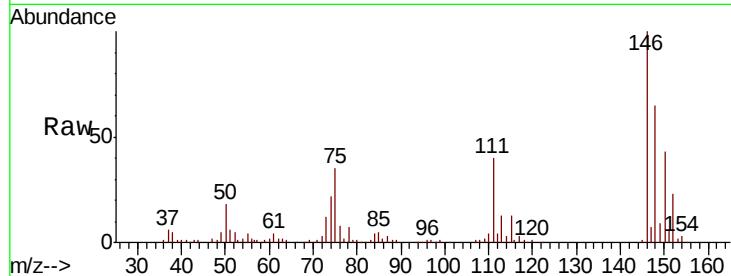




#87
 1,3-Dichlorobenzene
 Concen: 11.416 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.07 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

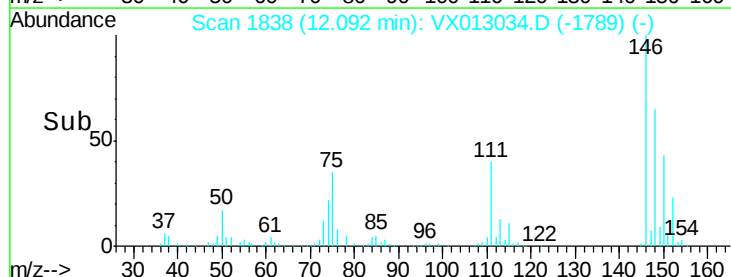
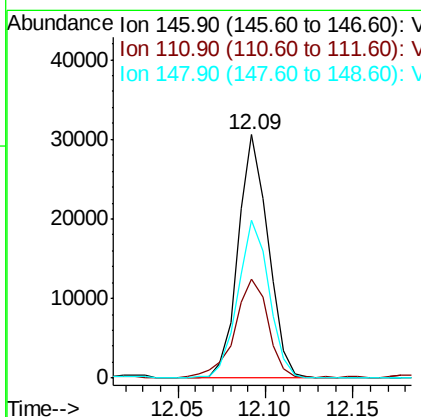
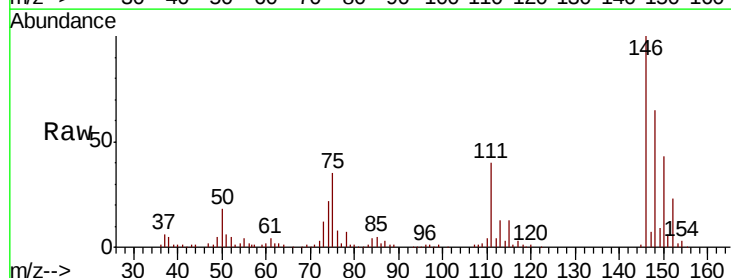
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

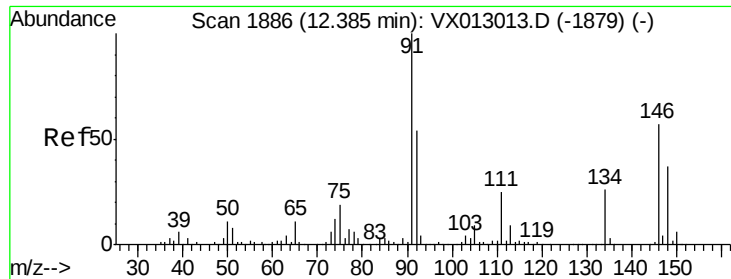
Tot Ion:146 Resp: 36635
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.1 63.4
 148 67.1 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 11.272 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion:146 Resp: 36635
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.4 64.3
 148 67.1 32.1 96.5





#89

n-Butylbenzene

Concen: 0.265 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

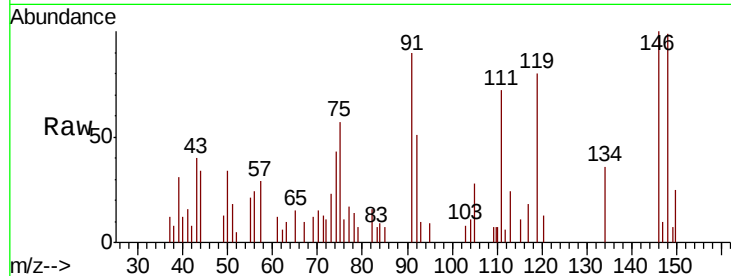
Tot Ion: 91 Resp: 1430

Ion Ratio Lower Upper

91 100

92 42.2 27.5 82.5

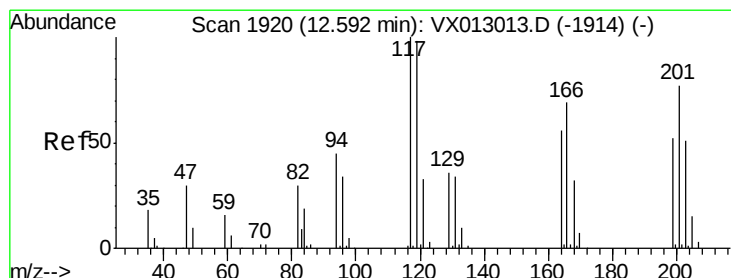
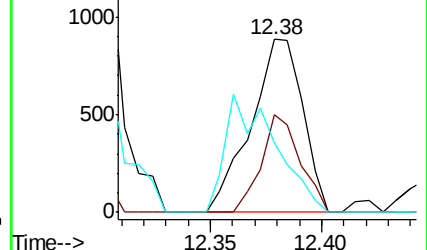
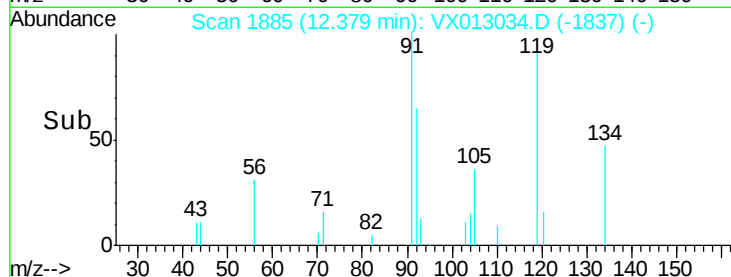
134 65.7 12.9 38.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.817 ug/l

RT: 12.67 min Scan# 1932

Delta R.T. 0.07 min

Lab File: VX013034.D

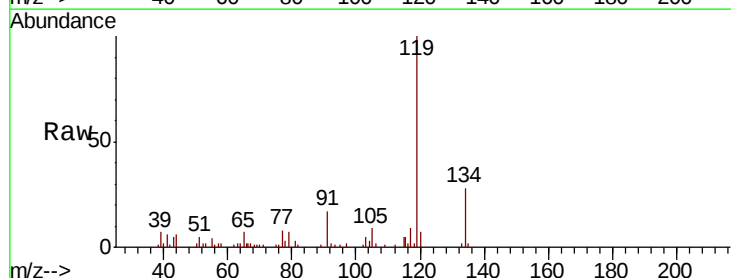
Acq: 11 Oct 2019 22:10

Tgt Ion: 117 Resp: 867

Ion Ratio Lower Upper

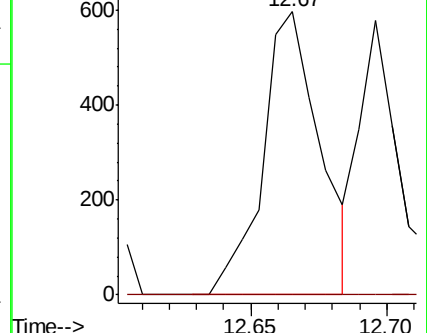
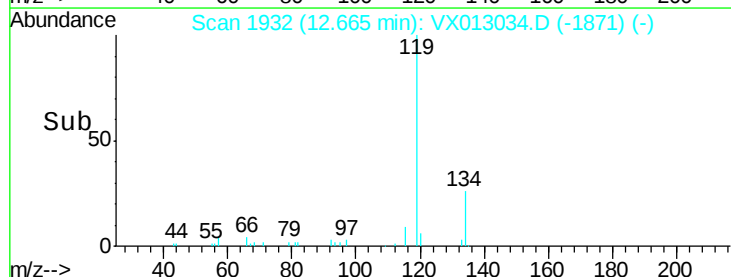
117 100

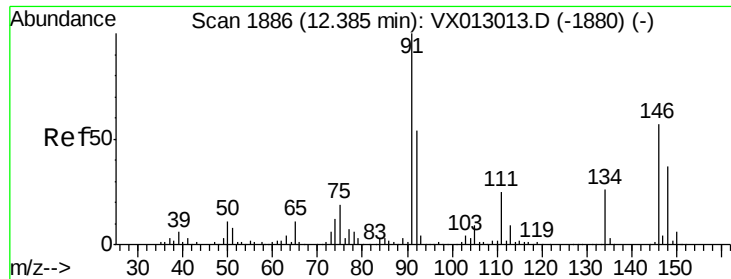
201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

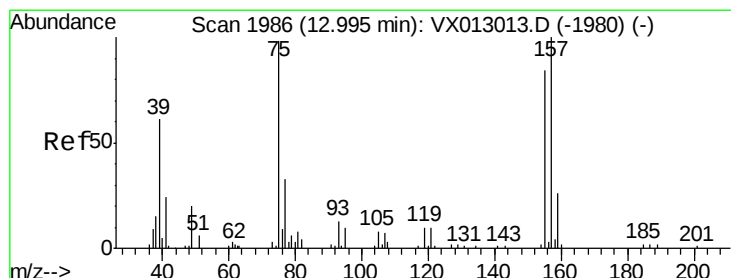
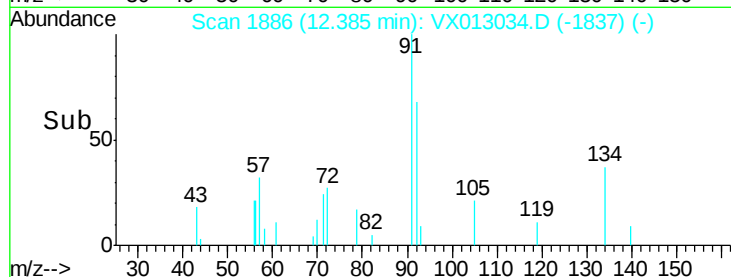
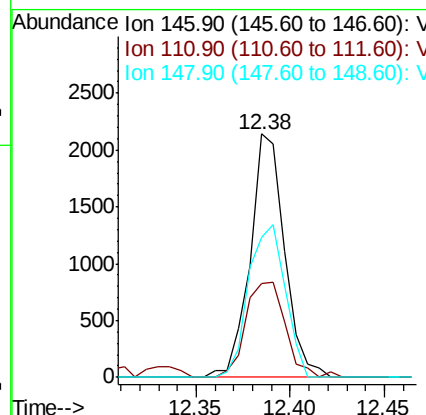
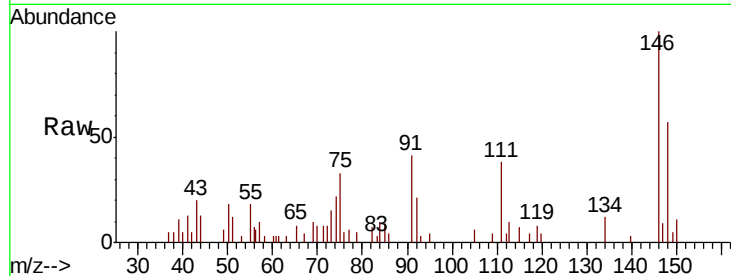




#91
 1,2-Dichlorobenzene
 Concen: 0.863 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

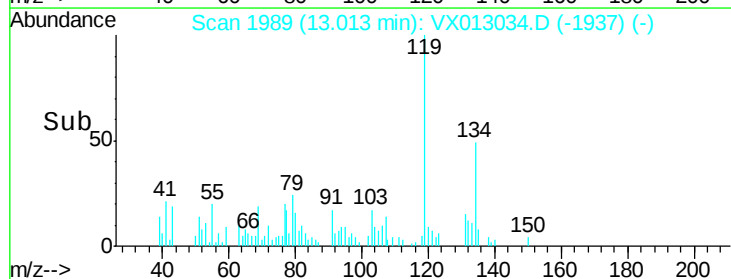
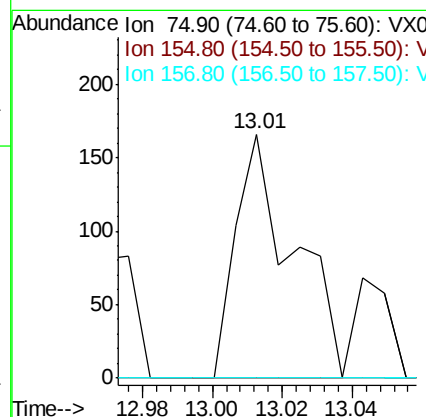
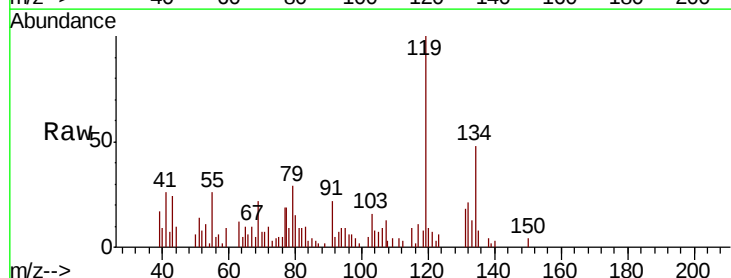
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

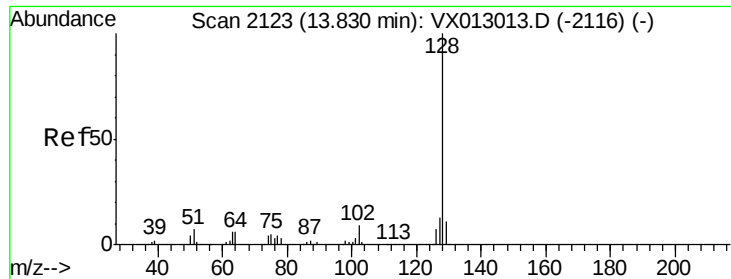
Tot Ion:146 Resp: 2714
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.7 68.0
 148 66.7 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.332 ug/l
 RT: 13.01 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 75 Resp: 190
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 128.8#
 157 0.0 54.1 162.3#

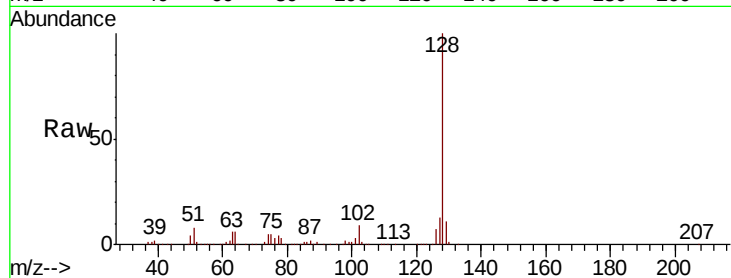




#95
 Naphthalene
 Concen: 16.514 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.9	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

