

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
 Data File : VX009981.D
 Acq On : 31 May 2019 13:11
 Operator : JC/SP
 Sample : K2964-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 51030

Quant Time: May 31 13:59:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114626	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
35) Dibromofluoromethane	5.50	113	84568	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	358828	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	113578	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	830	0.283	ug/l	95
8) Diethyl Ether	2.19	74	326	0.238	ug/l #	1
10) Methyl Iodide	2.52	142	128	4.710	ug/l #	42
11) Tert butyl alcohol	3.05	59	14248	22.985	ug/l #	94
13) Acrolein	2.29	56	726	22.610	ug/l #	14
14) Allyl chloride	2.78	41	2761	0.629	ug/l #	40
16) Acetone	2.45	43	559122	384.199	ug/l	97
17) Carbon Disulfide	2.57	76	2428	0.825	ug/l #	83
18) Methyl Acetate	2.78	43	226284	66.824	ug/l	97
20) Methylene Chloride	2.86	84	649	0.291	ug/l #	84
22) Diisopropyl ether	3.96	45	7943	0.951	ug/l #	1
23) Vinyl Acetate	3.85	43	2535	0.338	ug/l #	76
25) 2-Butanone	4.68	43	60516	26.690	ug/l	92
29) Tetrahydrofuran	5.17	42	1498	1.030	ug/l #	54
31) Cyclohexane	5.58	56	1194	0.312	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	13931	4.814	ug/l #	51
37) Ethyl Acetate	4.84	43	2385	0.591	ug/l #	87
38) Carbon Tetrachloride	5.67	117	16937	6.772	ug/l #	16
39) Methylcyclohexane	7.46	83	1956	0.570	ug/l	98
40) Benzene	6.14	78	31148	3.628	ug/l	98
43) Isopropyl Acetate	6.47	43	1454	0.223	ug/l #	63
48) Methyl methacrylate	7.75	41	4363	1.355	ug/l #	34
49) 1,4-Dioxane	7.75	88	1945	32.463	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	20023	4.731	ug/l #	46
52) Toluene	8.79	92	18868	3.620	ug/l	97
53) t-1,3-Dichloropropene	9.05	75	1219	0.367	ug/l #	55
59) 2-Hexanone	9.49	43	2220	0.681	ug/l	99
61) 1,2-Dibromoethane	9.82	107	804	0.373	ug/l #	19
65) Chlorobenzene	10.13	112	2124	0.409	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.37	131	1076	0.598	ug/l #	8
67) Ethyl Benzene	10.25	91	41950	4.501	ug/l	97
68) m/p-Xylenes	10.35	106	81322	23.620	ug/l	100
69) o-Xylene	10.69	106	37586	11.383	ug/l	100
70) Styrene	10.70	104	2537	0.438	ug/l #	1

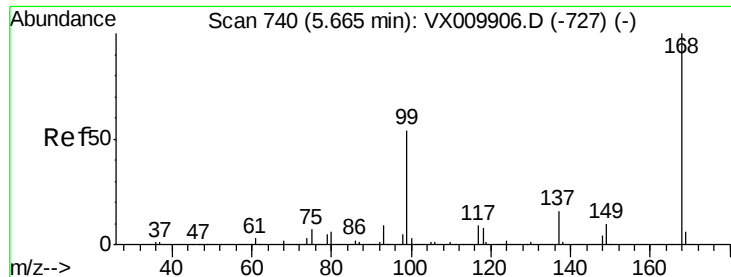
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	11.13	75	58081	20.238	ug/l #	35
78) n-propylbenzene	11.36	91	7509	0.871	ug/l	100
79) 2-Chlorotoluene	11.43	91	4972	0.944	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.51	105	10522	1.670	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	58081	59.276	ug/l #	11
82) 4-Chlorotoluene	11.50	91	1401	0.228	ug/l #	46
83) tert-Butylbenzene	11.80	119	4291	0.712	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.80	105	29580	4.622	ug/l	97
85) sec-Butylbenzene	12.02	105	8621	1.202	ug/l	95
86) p-Isopropyltoluene	12.06	119	2033	0.315	ug/l #	50
89) n-Butylbenzene	12.38	91	2161	0.356	ug/l #	42
90) Hexachloroethane	12.59	117	452	0.408	ug/l #	7
95) Naphthalene	13.83	128	33876	4.553	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

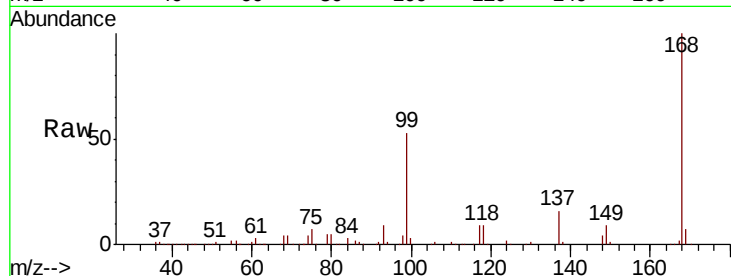
51030

Tgt Ion:168 Resp: 178310

Ion Ratio Lower Upper

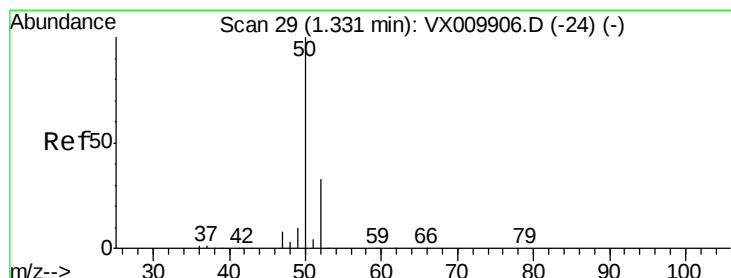
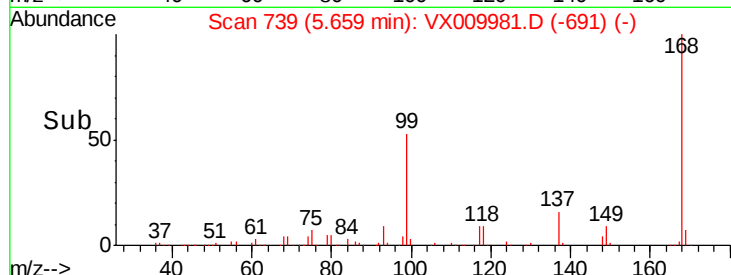
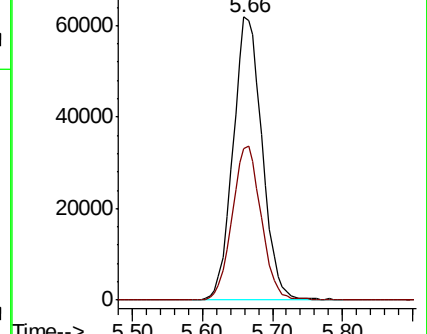
168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.283 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009981.D

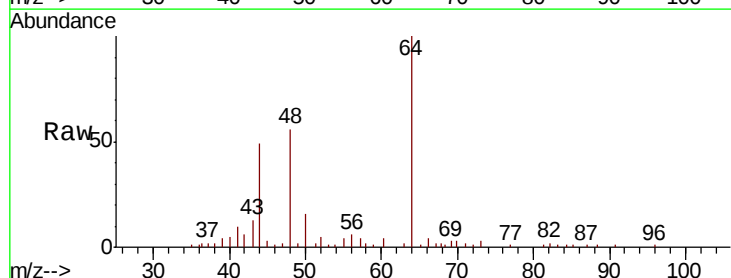
Acq: 31 May 2019 13:11

Tgt Ion: 50 Resp: 830

Ion Ratio Lower Upper

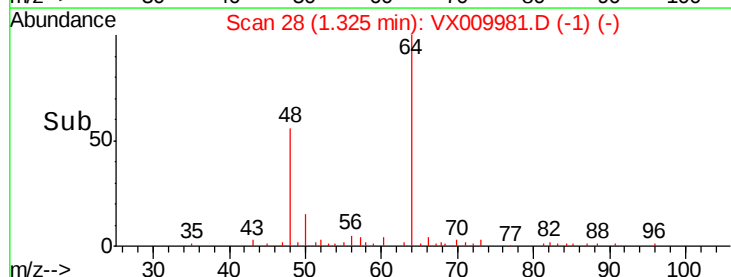
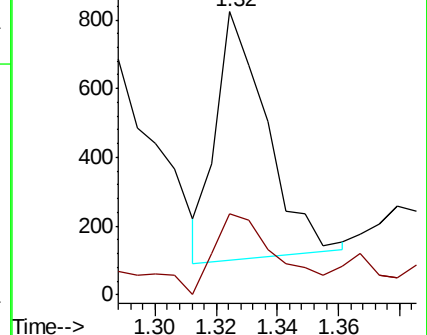
50 100

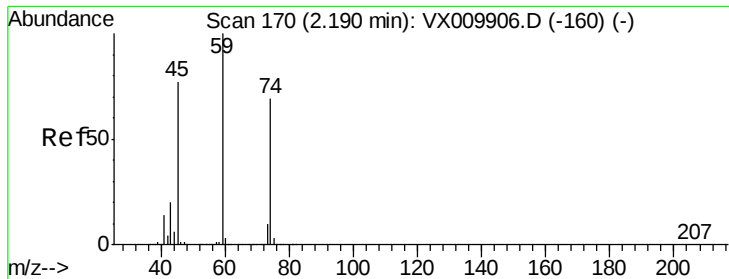
52 35.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.238 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

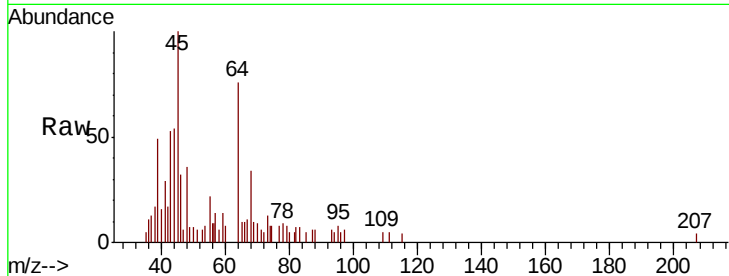
51030

Tgt Ion: 74 Resp: 326

Ion Ratio Lower Upper

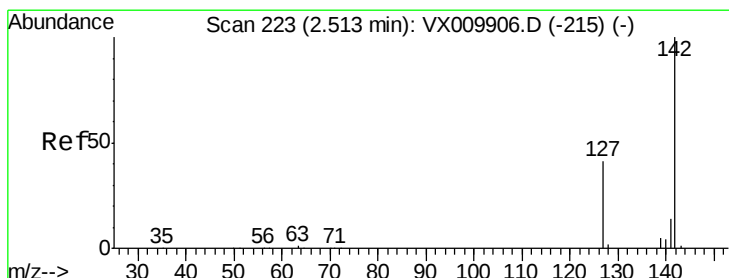
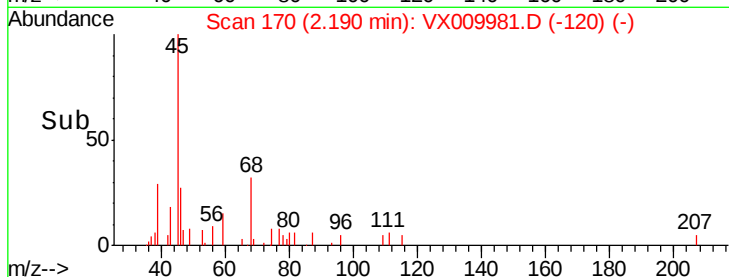
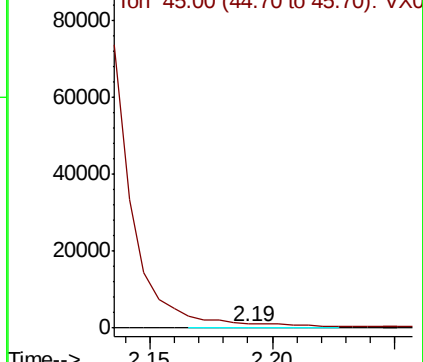
74 100

45 0.0 53.3 159.9#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.710 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

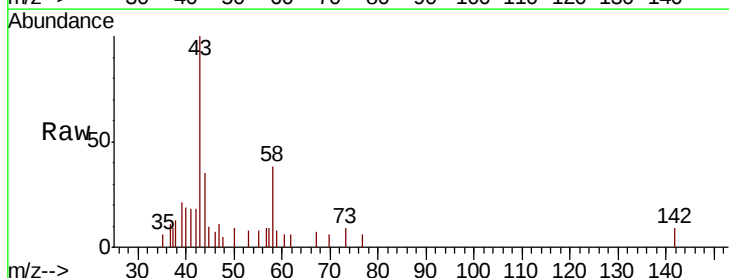
Tgt Ion: 142 Resp: 128

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

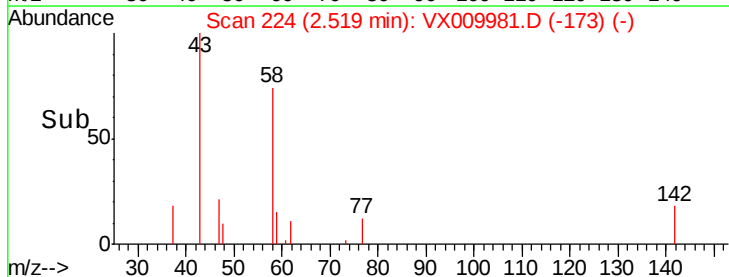
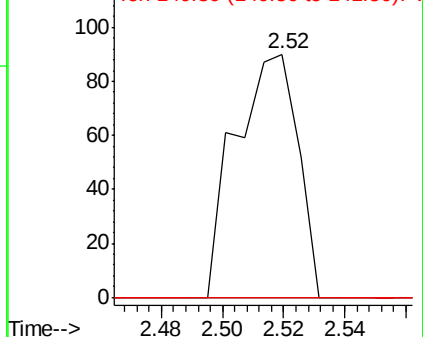
141 0.0 11.5 17.3#

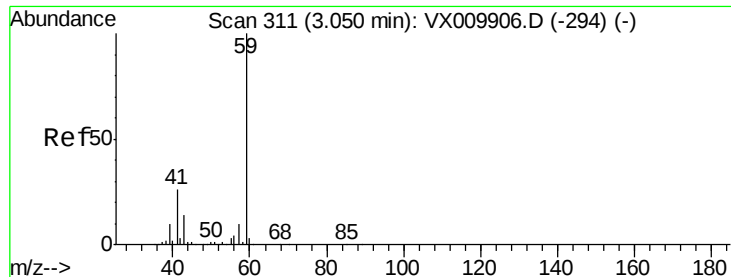


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



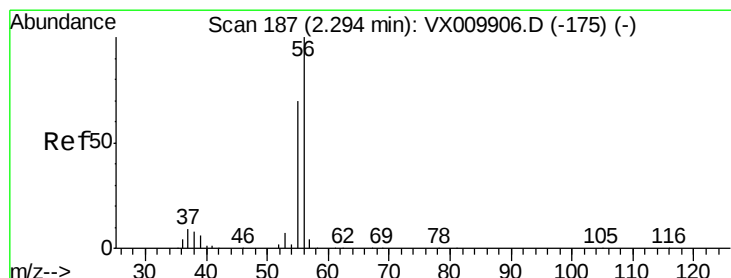
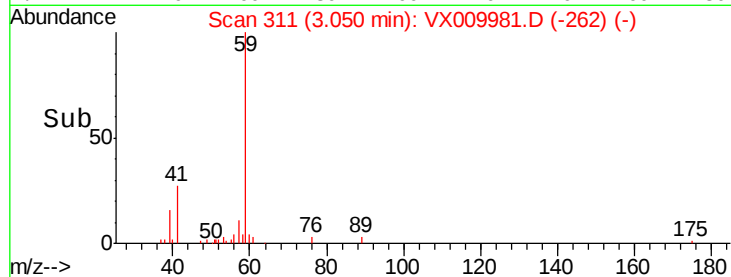
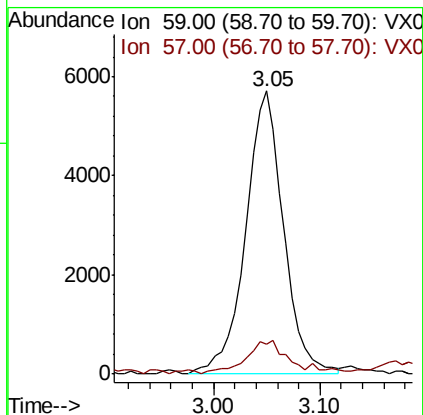
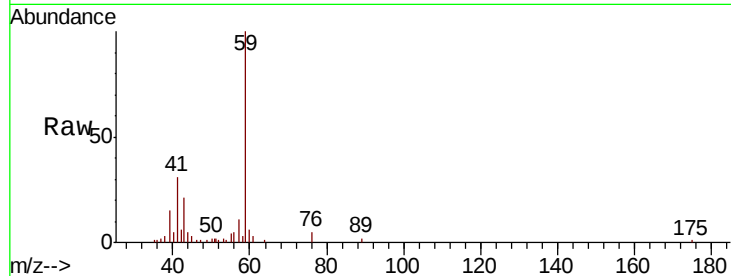


#11

Tert butyl alcohol
 Concen: 22.985 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 51030

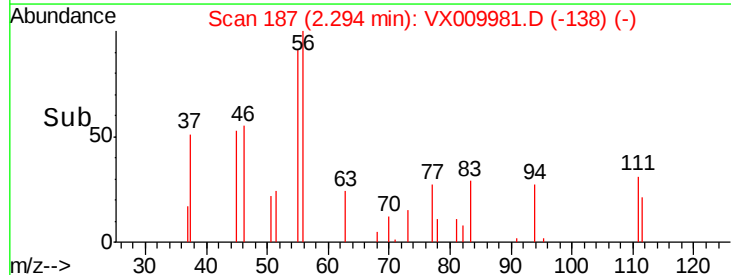
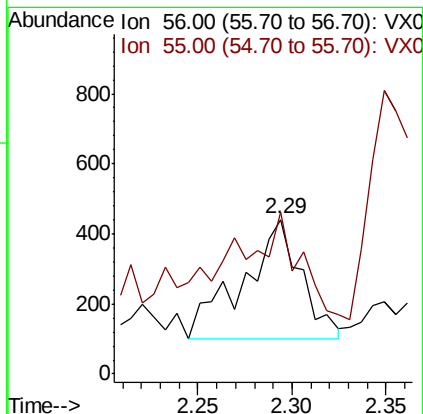
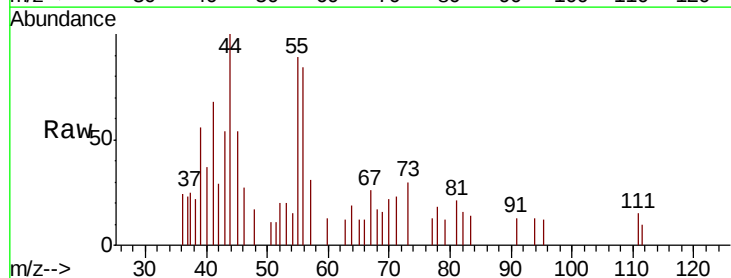
Tgt Ion: 59 Resp: 14248
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.2 12.2#

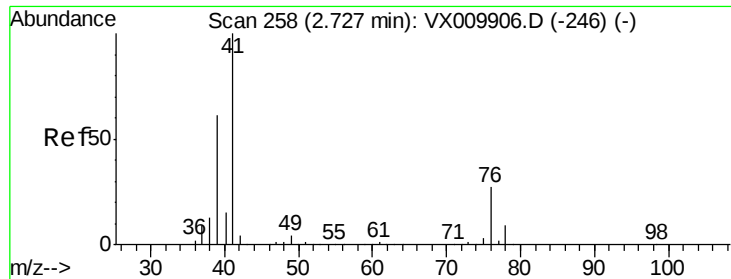


#13

Acrolein
 Concen: 22.610 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 56 Resp: 726
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.6 85.0#

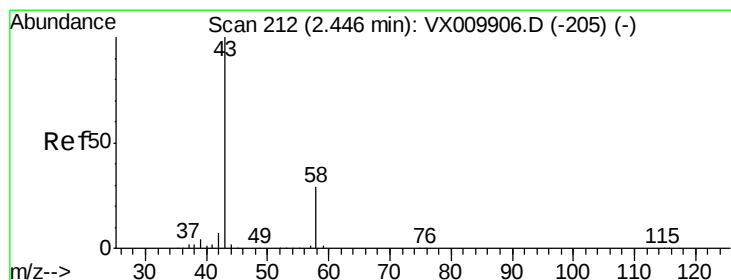
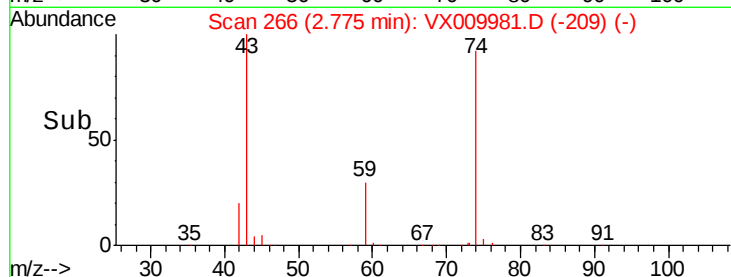
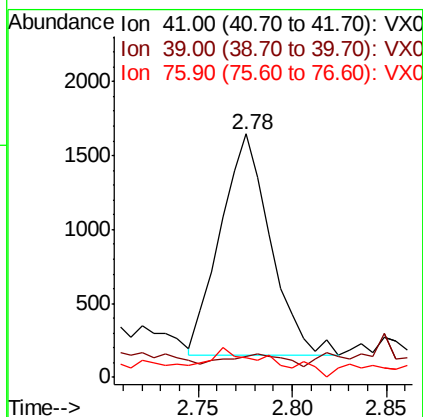
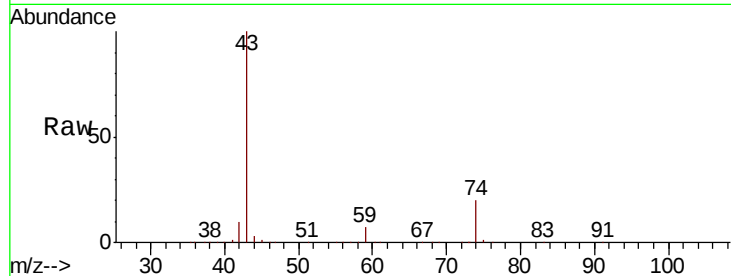




#14
 Allyl chloride
 Concen: 0.629 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. 0.05 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

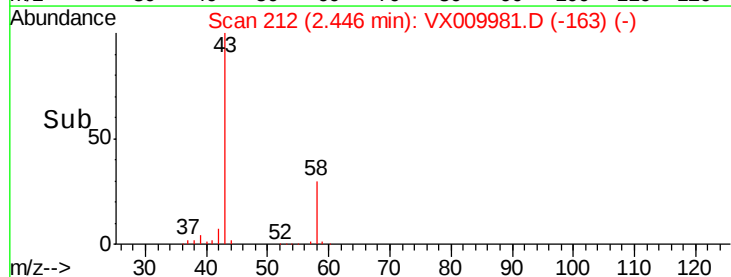
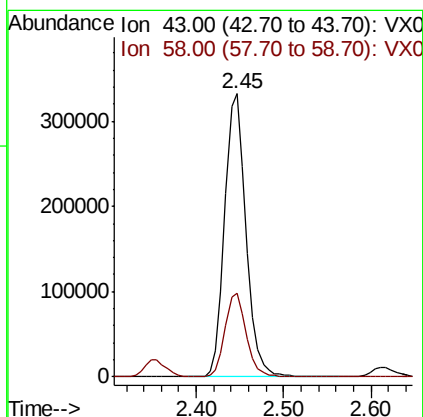
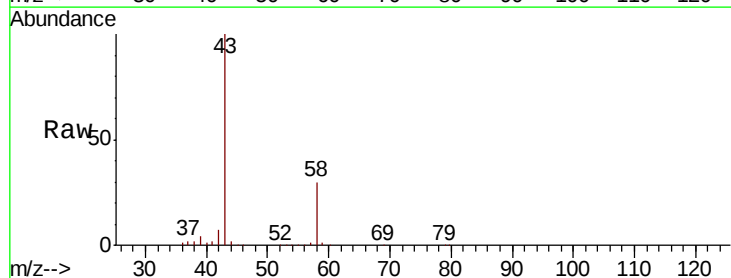
Instrument :
 MSVOA_X
 ClientSampled :
 51030

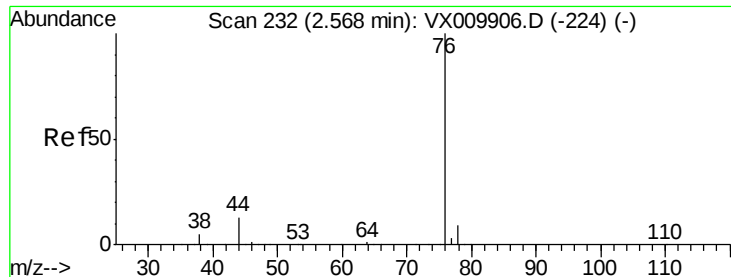
Tgt Ion: 41 Resp: 2761
 Ion Ratio Lower Upper
 41 100
 39 0.0 46.7 70.1#
 76 17.1 21.8 32.8#



#16
 Acetone
 Concen: 384.199 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 559122
 Ion Ratio Lower Upper
 43 100
 58 29.5 24.9 37.3





#17

Carbon Disulfide

Concen: 0.825 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

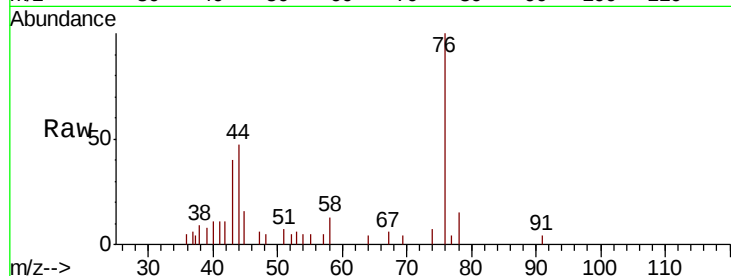
51030

Tgt Ion: 76 Resp: 2428

Ion Ratio Lower Upper

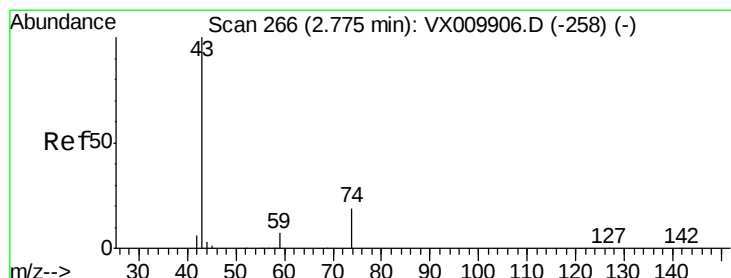
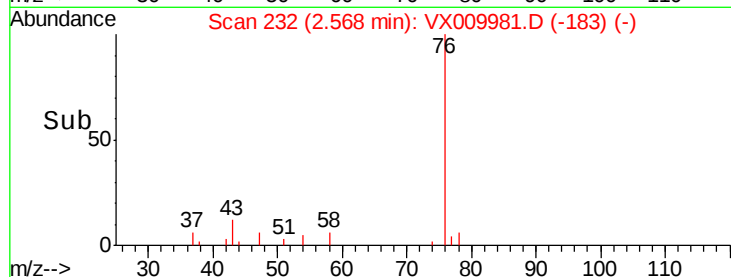
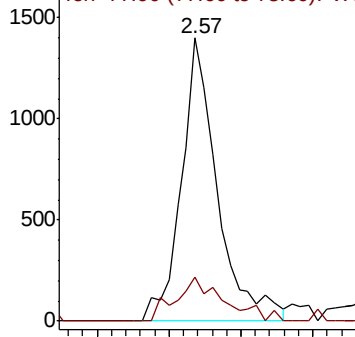
76 100

78 15.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 66.824 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009981.D

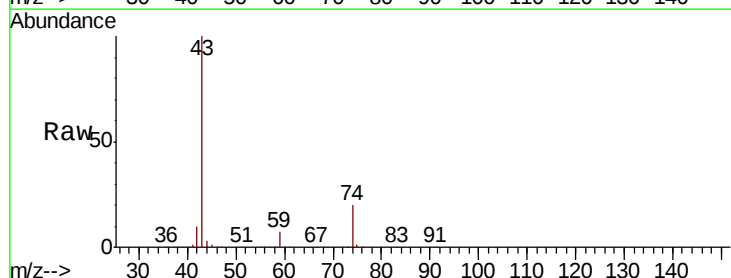
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 226284

Ion Ratio Lower Upper

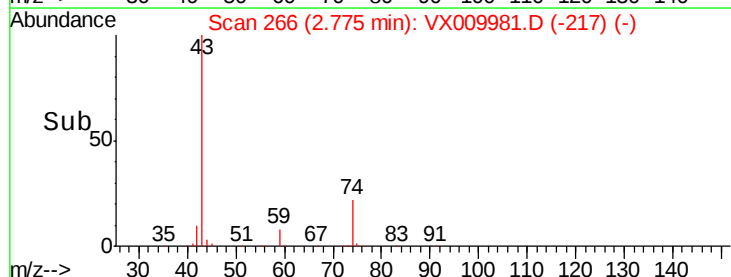
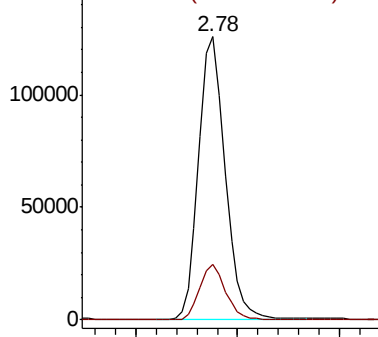
43 100

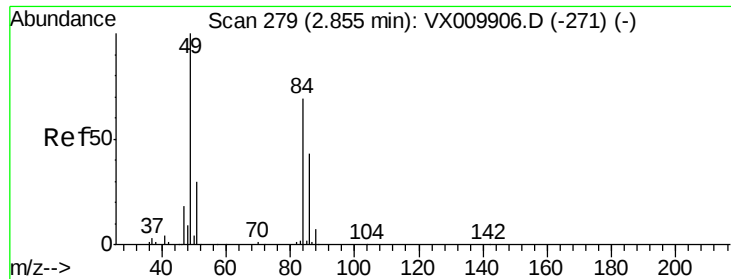
74 19.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

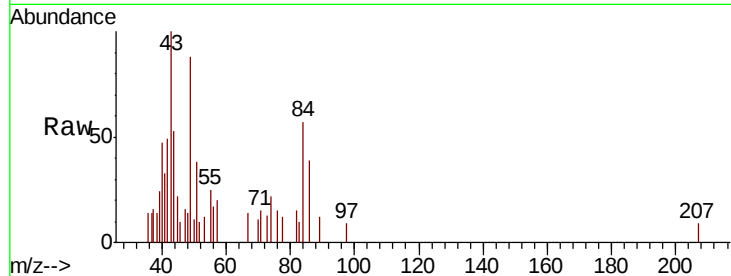




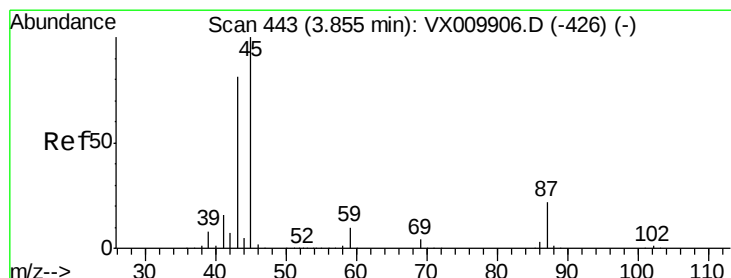
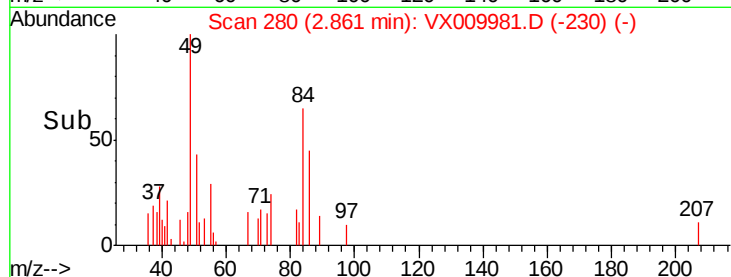
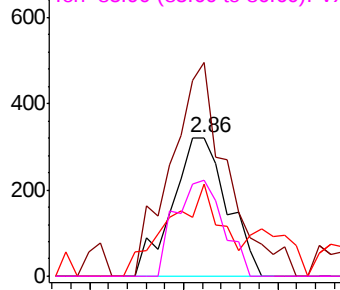
#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
51030

Tgt Ion: 84 Resp: 649
Ion Ratio Lower Upper
84 100
49 154.2 109.9 164.9
51 66.4 32.7 49.1#
86 68.8 52.0 78.0

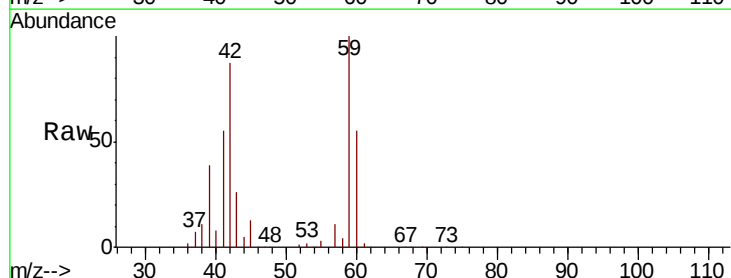


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

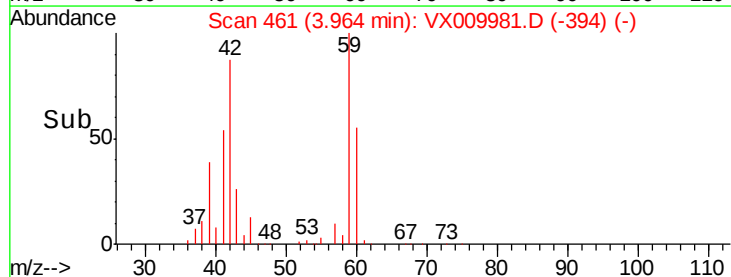
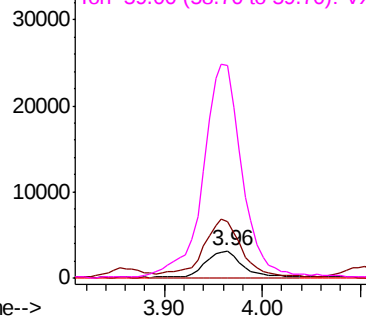


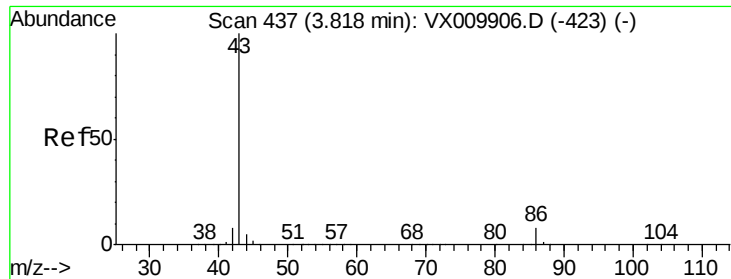
#22
Diisopropyl ether
Concen: 0.951 ug/l
RT: 3.96 min Scan# 461
Delta R.T. 0.11 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 45 Resp: 7943
Ion Ratio Lower Upper
45 100
43 202.9 56.1 84.1#
87 0.0 18.1 27.1#
59 788.3 8.5 12.7#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

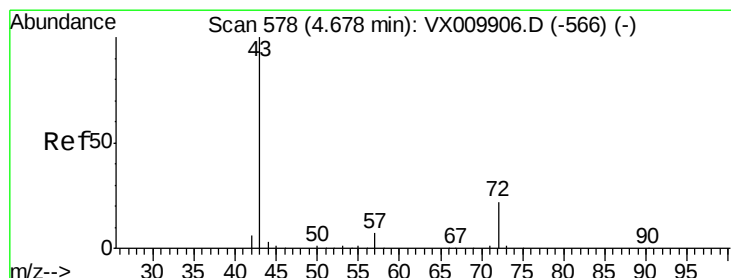
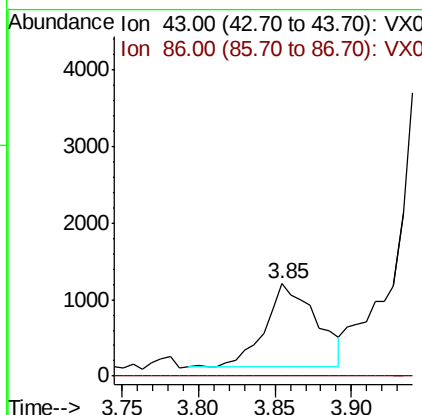
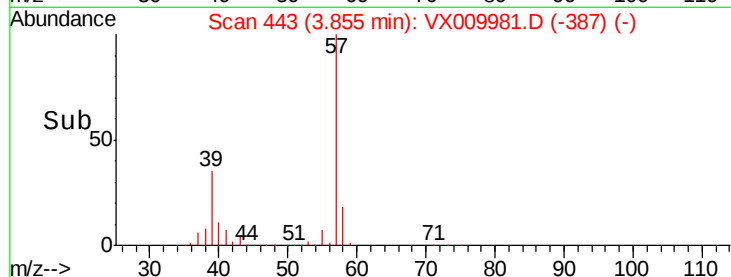
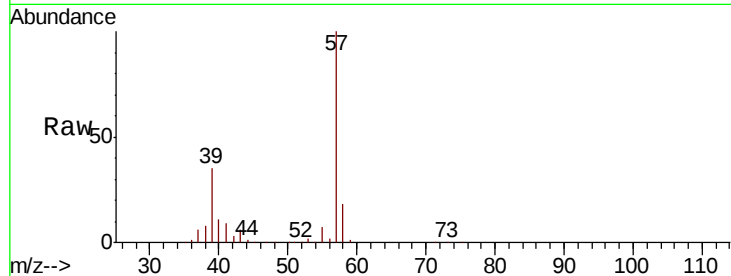




#23
 Vinyl Acetate
 Concen: 0.338 ug/l
 RT: 3.85 min Scan# 443
 Delta R.T. 0.04 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

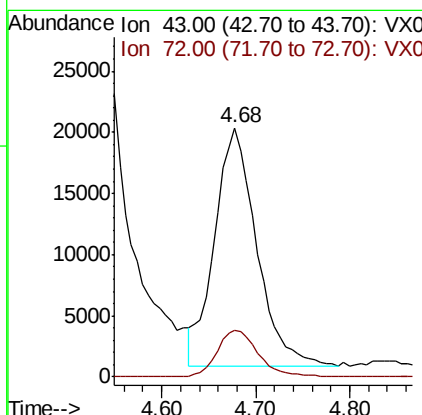
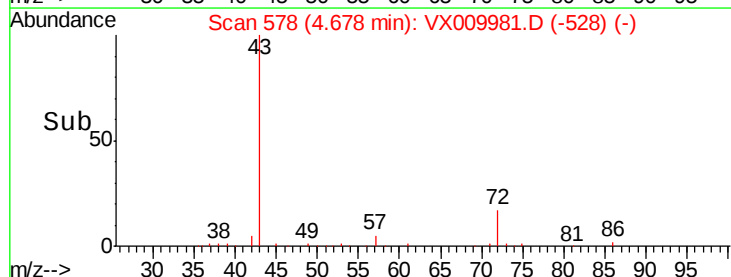
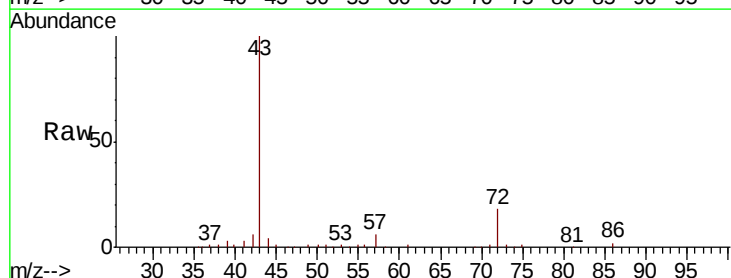
Instrument :
 MSVOA_X
 ClientSampleId :
 51030

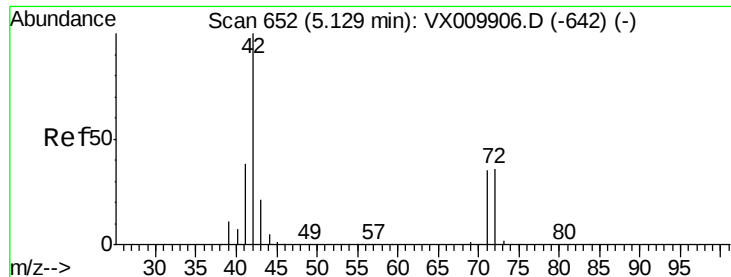
Tgt Ion: 43 Resp: 2535
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.9 10.3#



#25
 2-Butanone
 Concen: 26.690 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 60516
 Ion Ratio Lower Upper
 43 100
 72 19.0 18.2 27.2

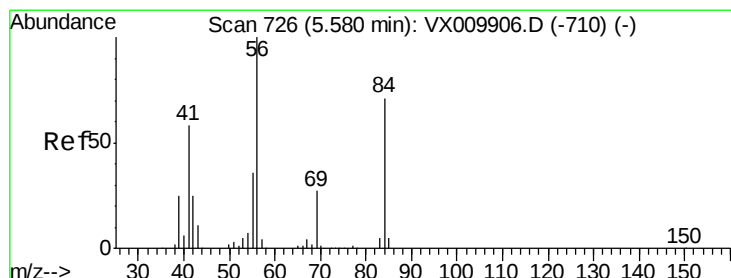
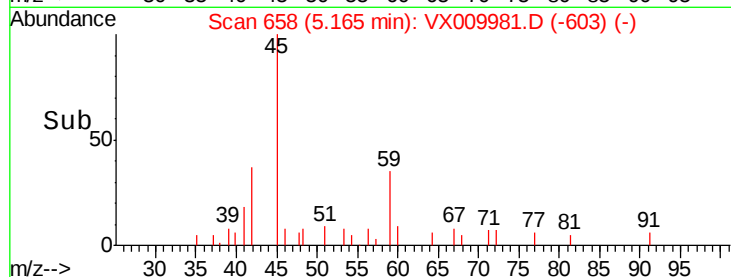
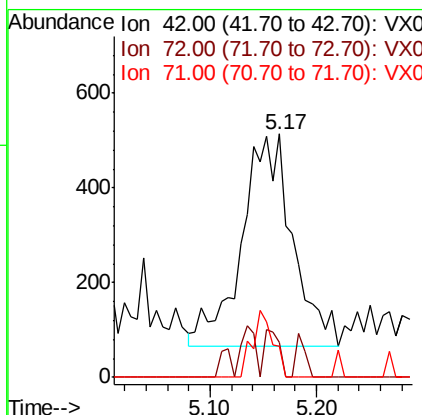
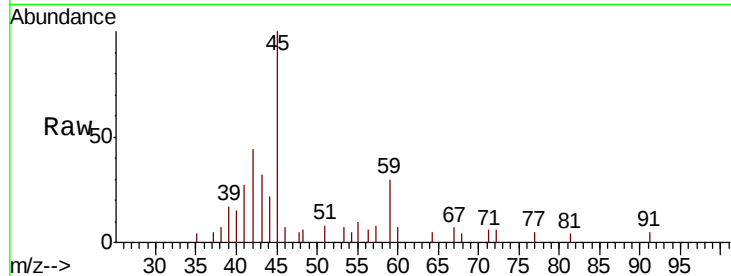




#29
Tetrahydrofuran
Concen: 1.030 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.04 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

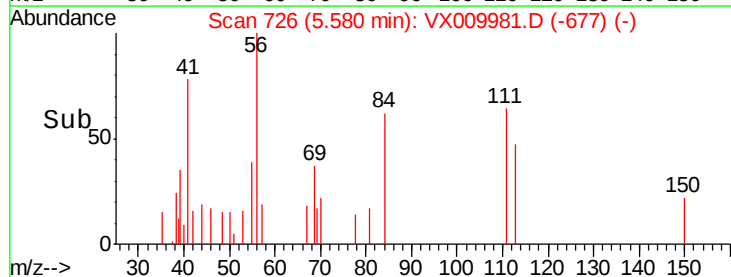
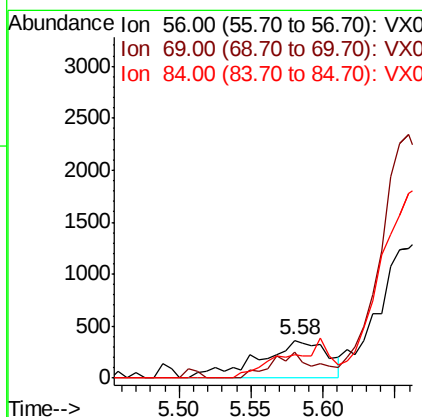
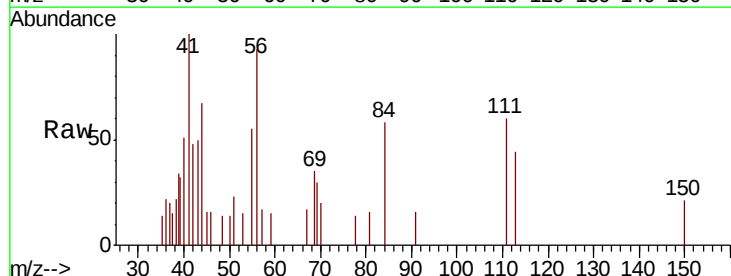
Instrument :
MSVOA_X
ClientSampleId :
51030

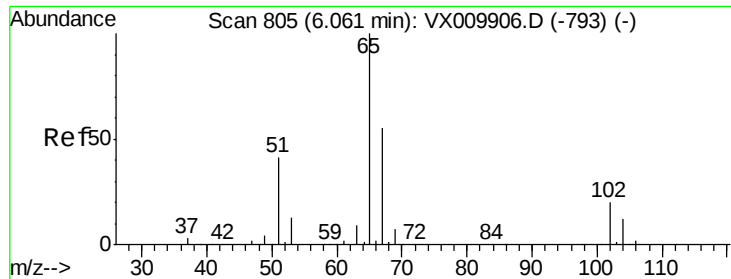
Tgt Ion: 42 Resp: 1498
Ion Ratio Lower Upper
42 100
72 6.6 30.4 45.6#
71 13.0 28.6 43.0#



#31
Cyclohexane
Concen: 0.312 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 56 Resp: 1194
Ion Ratio Lower Upper
56 100
69 43.4 23.4 35.0#
84 62.0 61.9 92.9

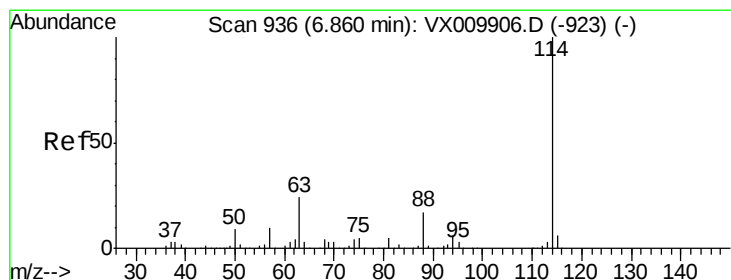
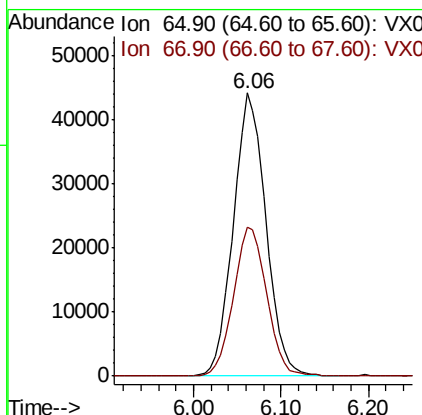
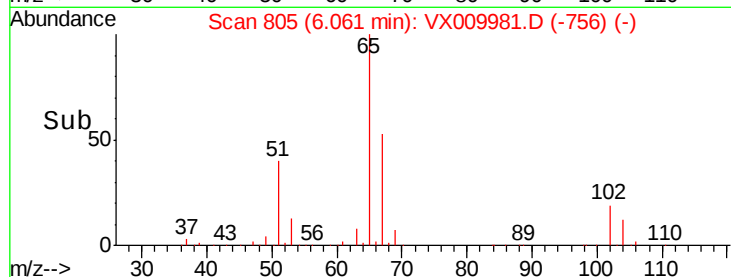
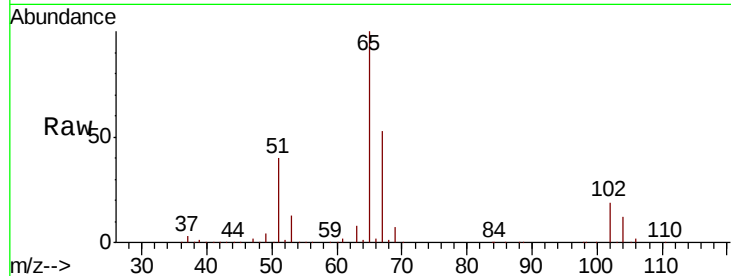




#33
 1,2-Dichloroethane-d4
 Concen: 45.508 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

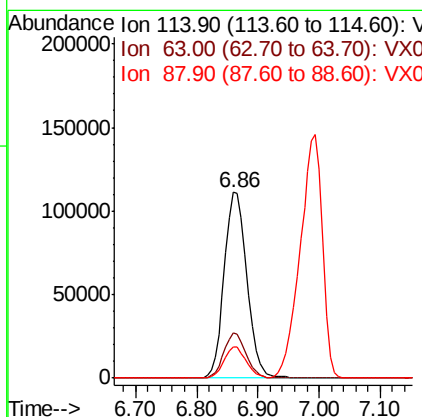
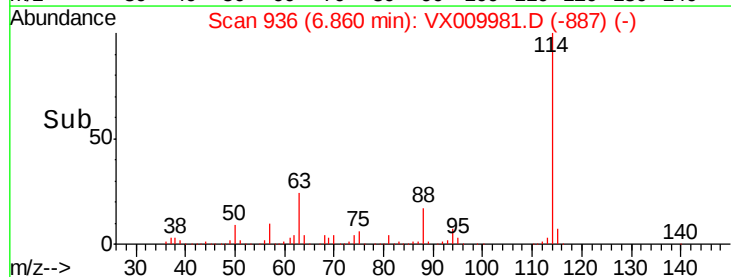
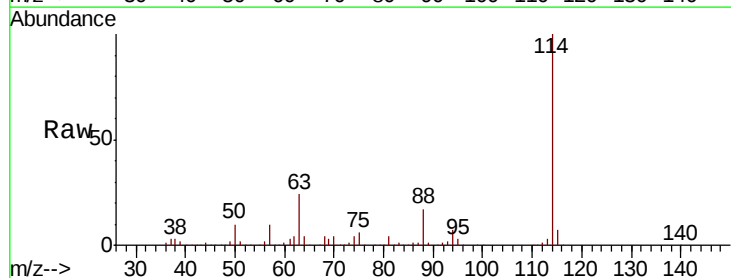
Instrument :
 MSVOA_X
 ClientSampleId :
 51030

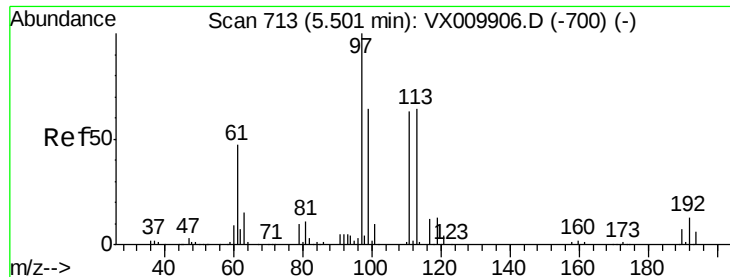
Tgt Ion: 65 Resp: 114626
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 114 Resp: 285242
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 45.6
 88 16.6 0.0 33.2

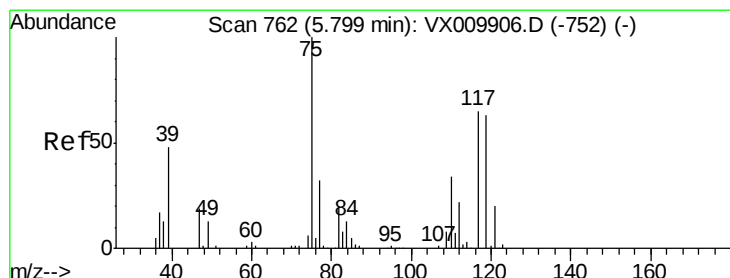
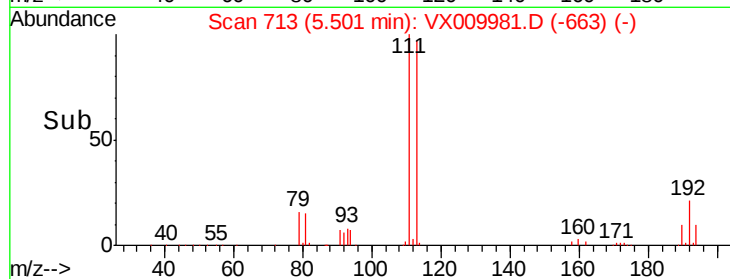
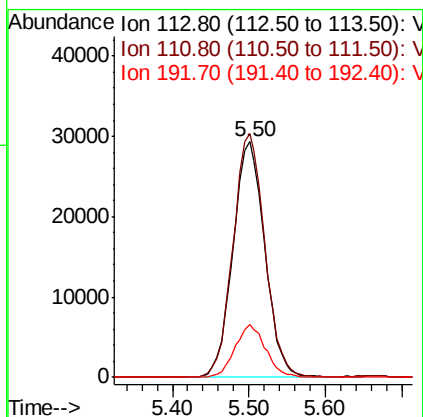
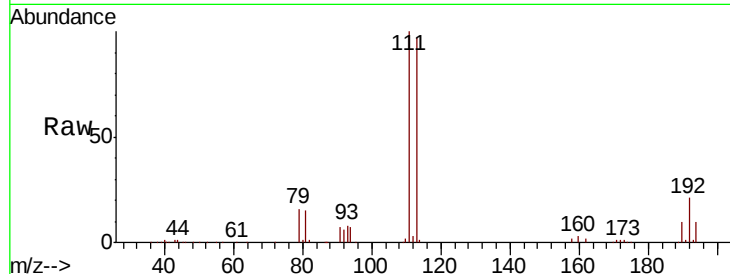




#35
 Dibromofluoromethane
 Concen: 47.157 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

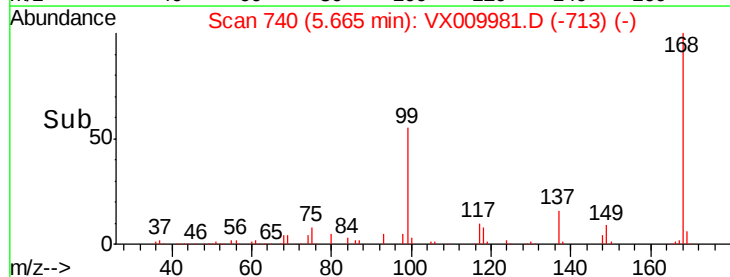
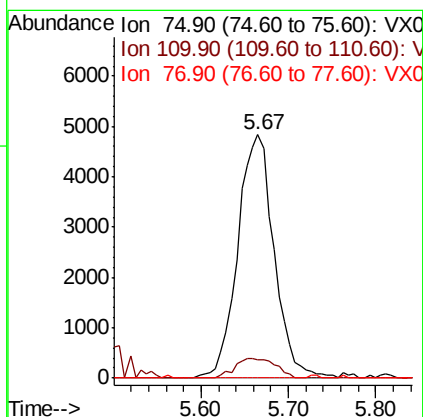
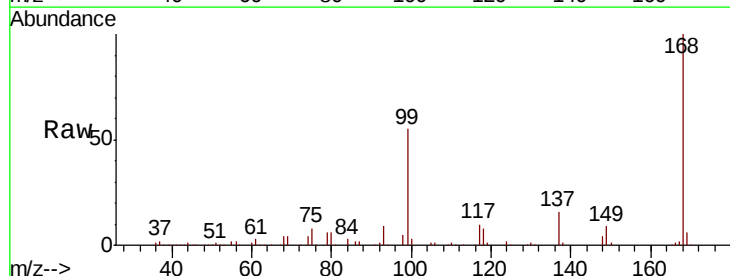
Instrument :
 MSVOA_X
 ClientSampleId :
 51030

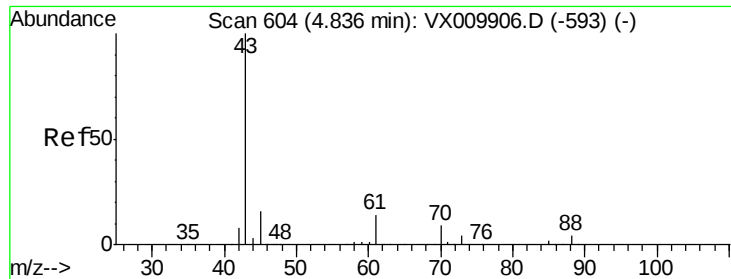
Tgt Ion:113 Resp: 84568
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 75 Resp: 13931
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.591 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

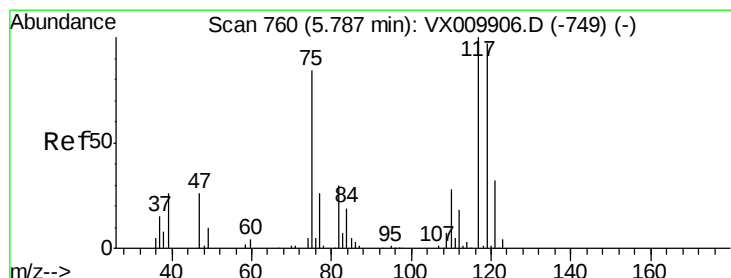
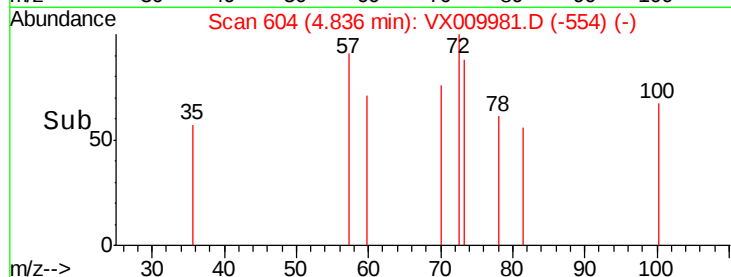
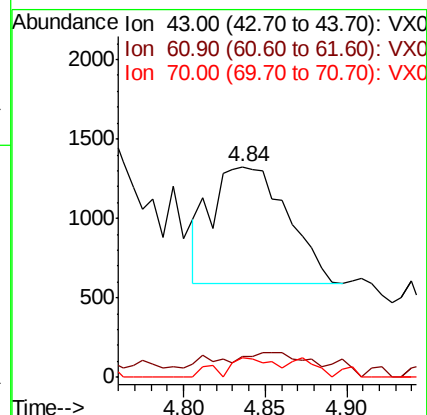
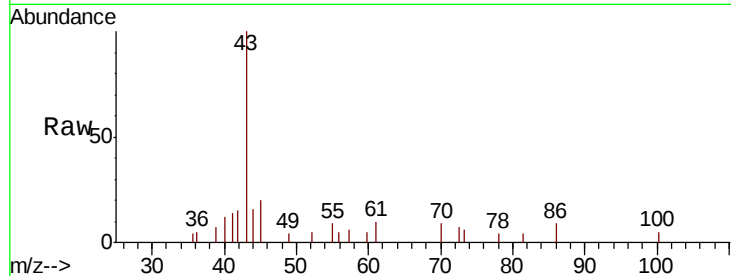
Tgt Ion: 43 Resp: 2385

Ion Ratio Lower Upper

43 100

61 21.4 10.5 15.7#

70 8.8 7.9 11.9



#38

Carbon Tetrachloride

Concen: 6.772 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

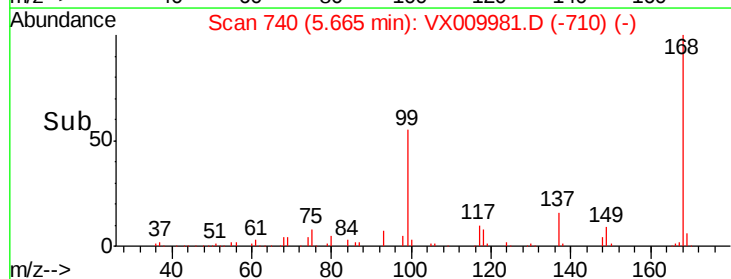
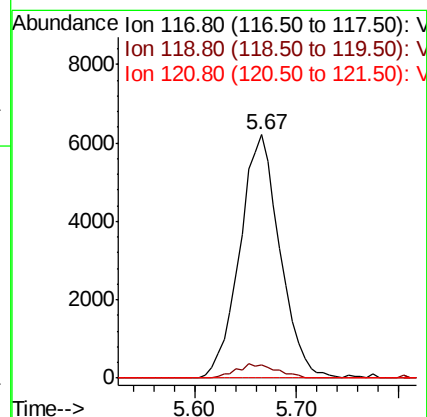
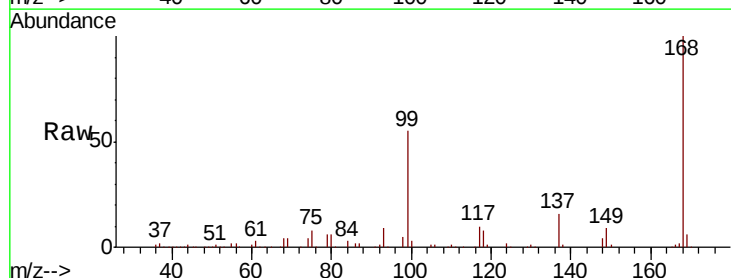
Tgt Ion: 117 Resp: 16937

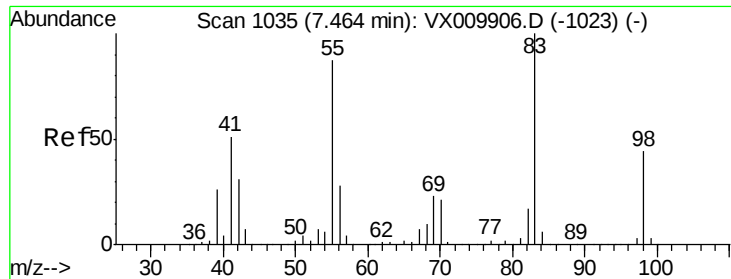
Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

121 0.0 24.7 37.1#

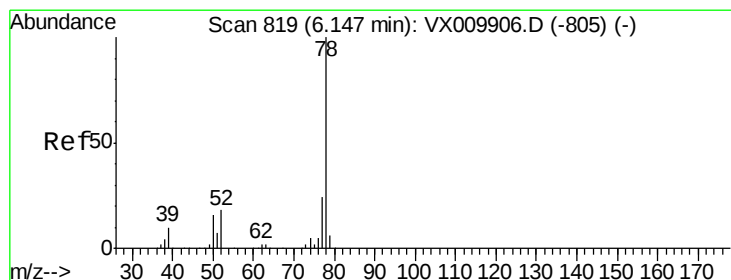
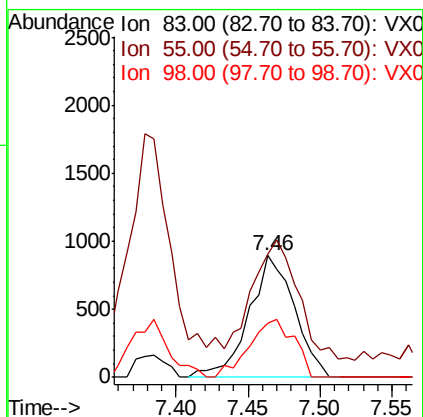
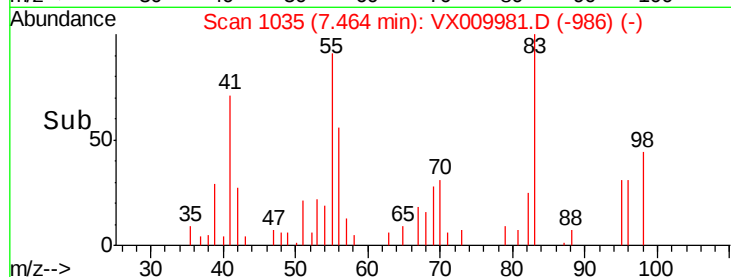
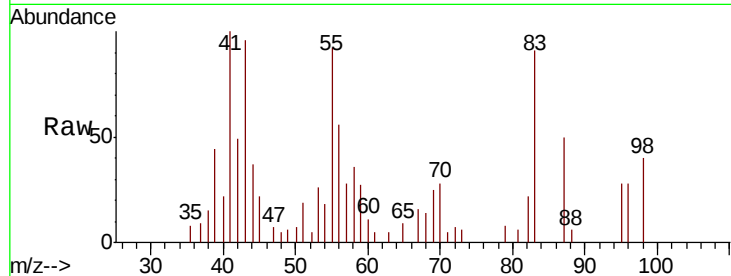




#39
Methylcyclohexane
Concen: 0.570 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

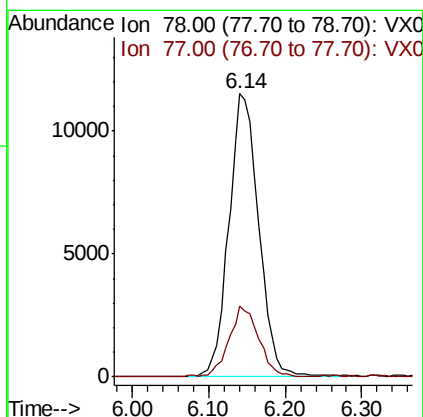
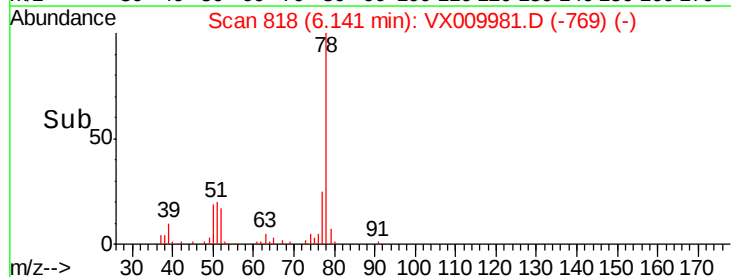
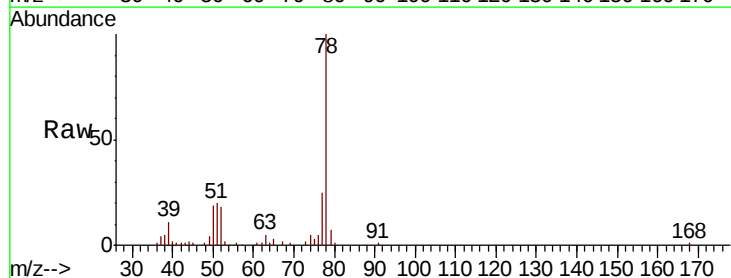
Instrument :
MSVOA_X
ClientSampleId :
51030

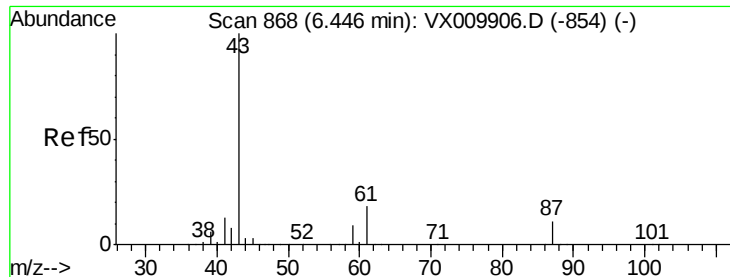
Tgt Ion: 83 Resp: 1956
Ion Ratio Lower Upper
83 100
55 87.1 67.7 101.5
98 44.4 35.5 53.3



#40
Benzene
Concen: 3.628 ug/l
RT: 6.14 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 78 Resp: 31148
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2





#43

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

51030

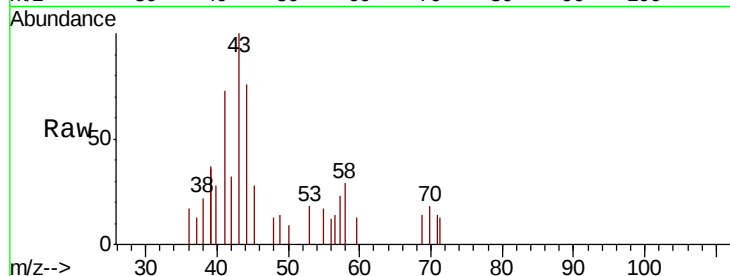
Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

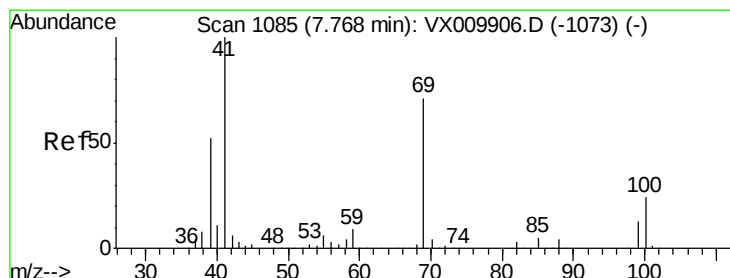
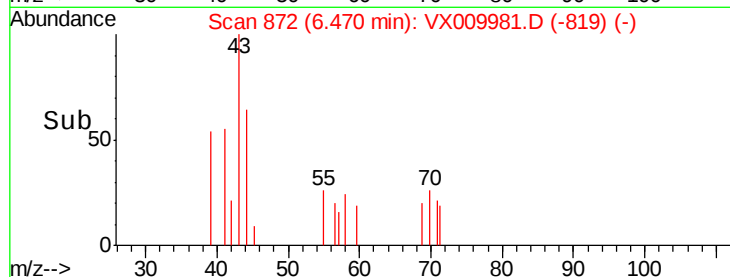
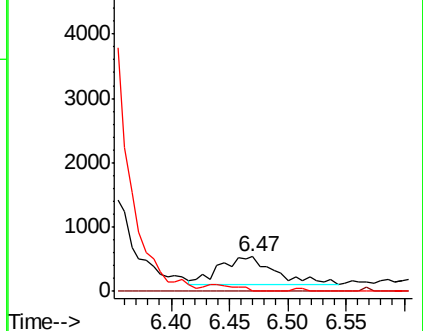
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.355 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

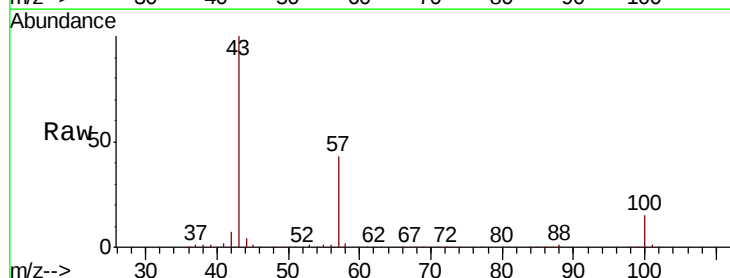
Tgt Ion: 41 Resp: 4363

Ion Ratio Lower Upper

41 100

69 10.0 59.1 88.7#

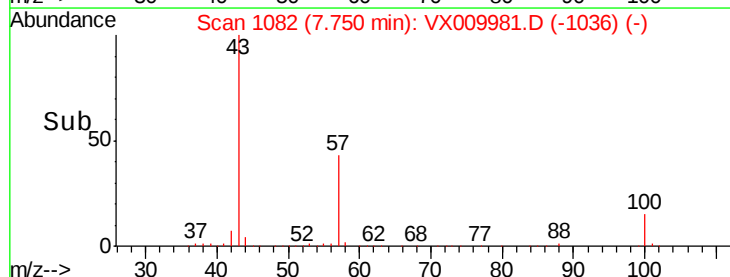
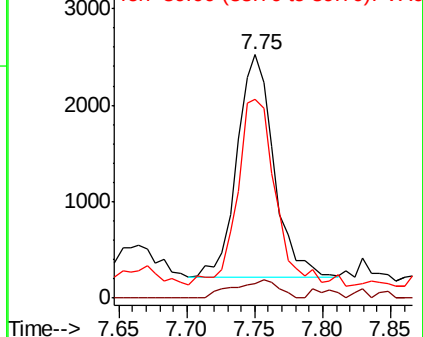
39 86.4 40.4 60.6#

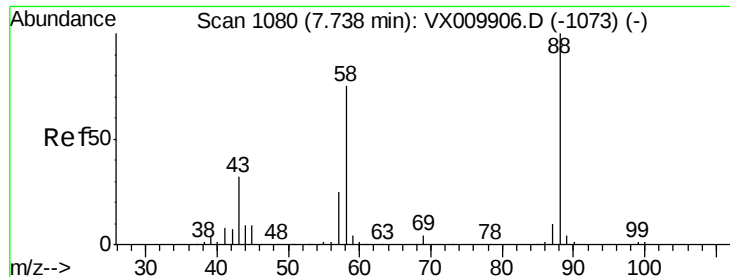


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

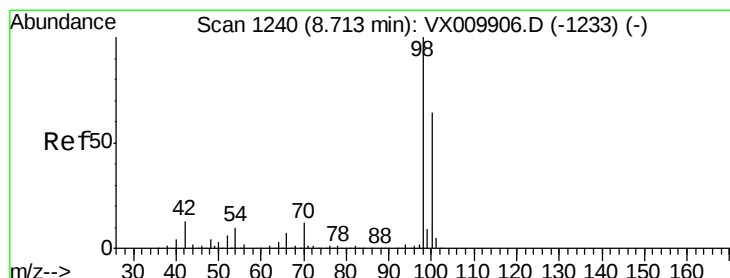
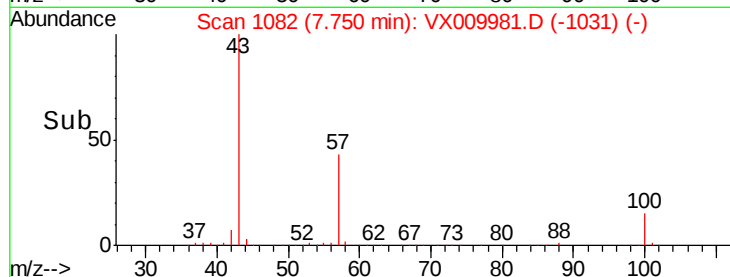
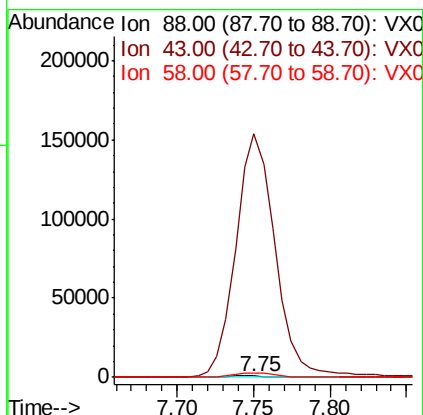
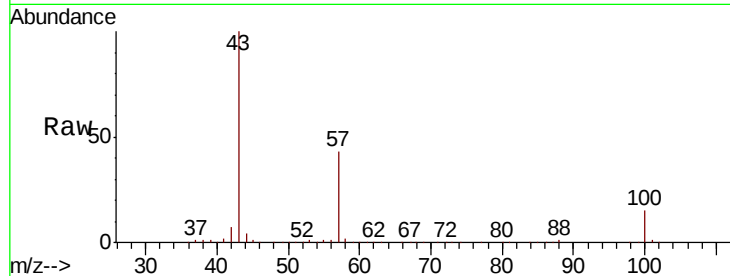




#49
1,4-Dioxane
Concen: 32.463 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

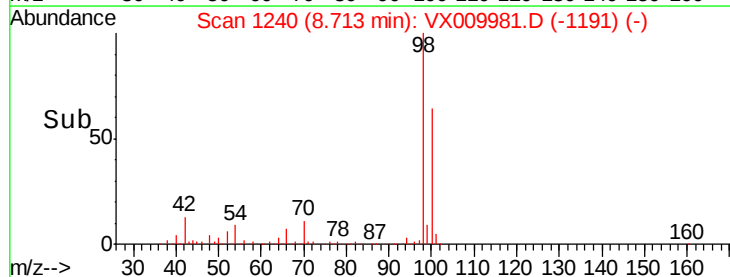
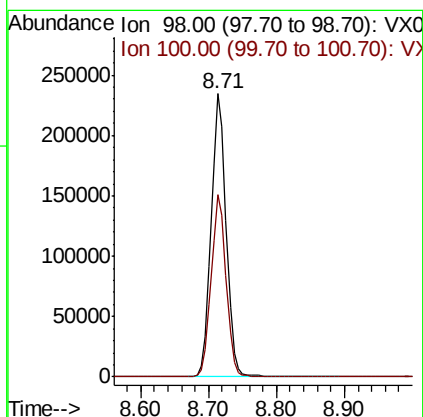
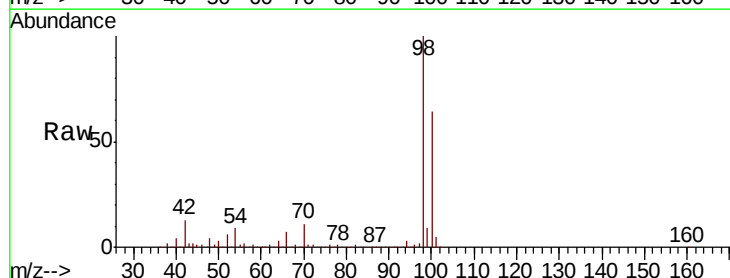
Instrument :
MSVOA_X
ClientSampleId :
51030

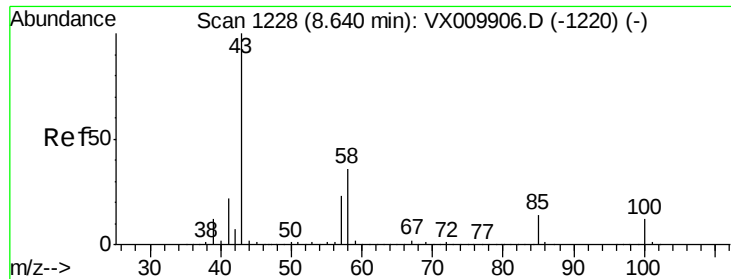
Tgt Ion: 88 Resp: 1945
Ion Ratio Lower Upper
88 100
43 14174.0 28.6 42.8#
58 289.5 61.7 92.5#



#50
Toluene-d8
Concen: 49.274 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 98 Resp: 358828
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 4.731 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

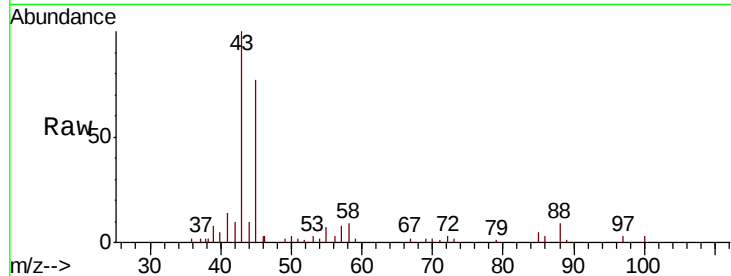
51030

Tgt Ion: 43 Resp: 20023

Ion Ratio Lower Upper

43 100

58 4.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

3000

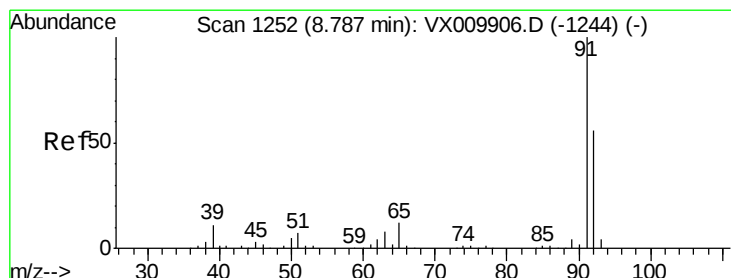
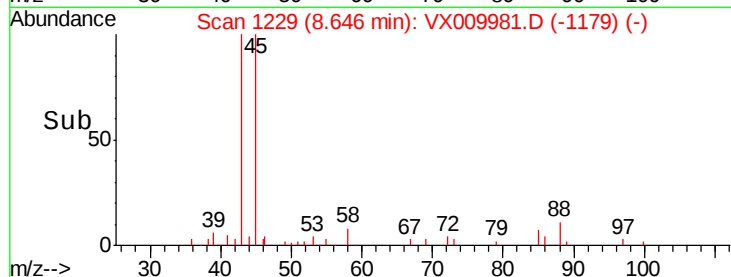
2000

1000

0

8.50 8.60 8.70

Time-->



#52

Toluene

Concen: 3.620 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009981.D

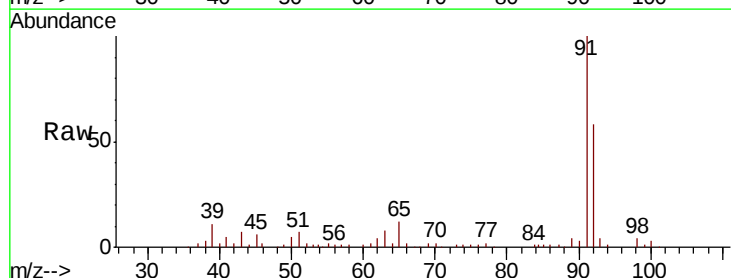
Acq: 31 May 2019 13:11

Tgt Ion: 92 Resp: 18868

Ion Ratio Lower Upper

92 100

91 169.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

20000

15000

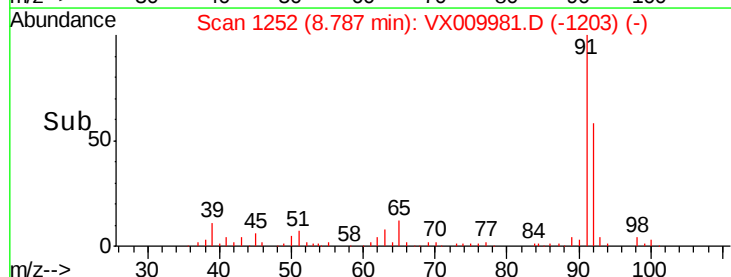
10000

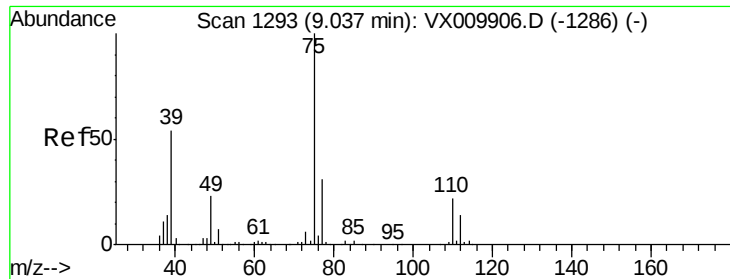
5000

0

8.70 8.75 8.80 8.85 8.90

Time-->

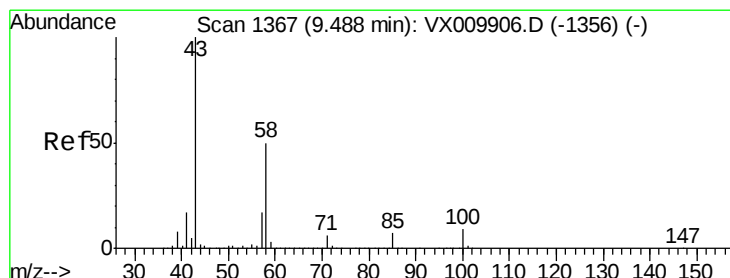
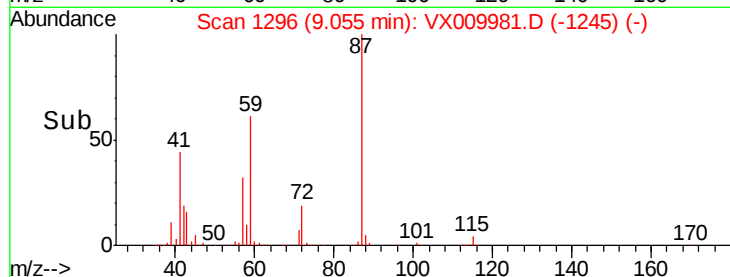
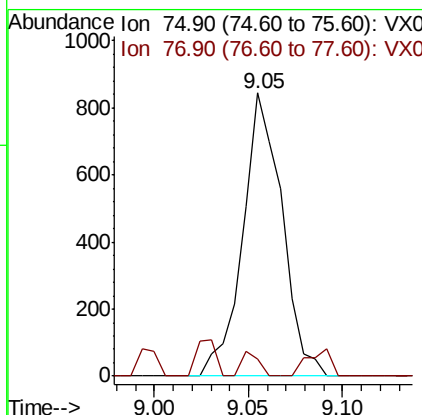
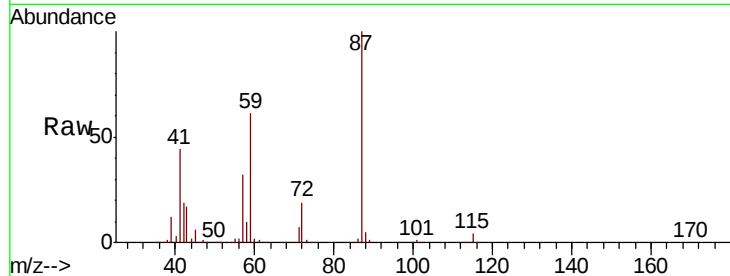




#53
t-1,3-Dichloropropene
Concen: 0.367 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

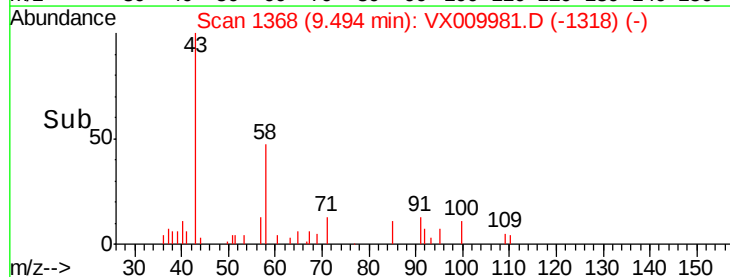
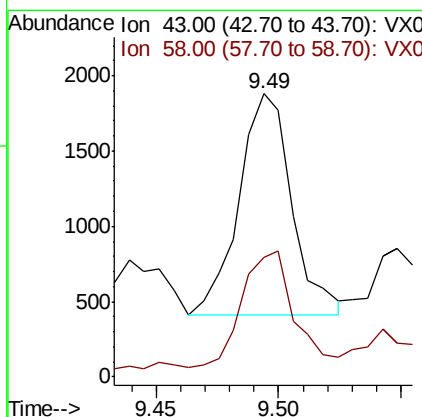
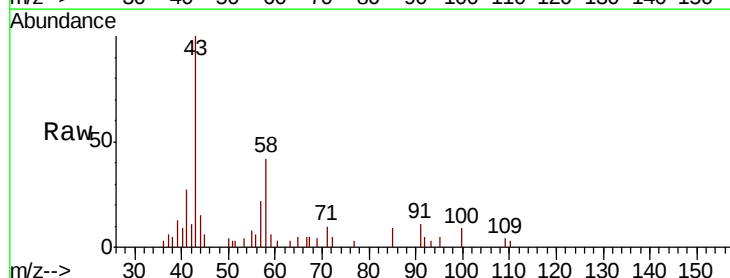
Instrument :
MSVOA_X
ClientSampleId :
51030

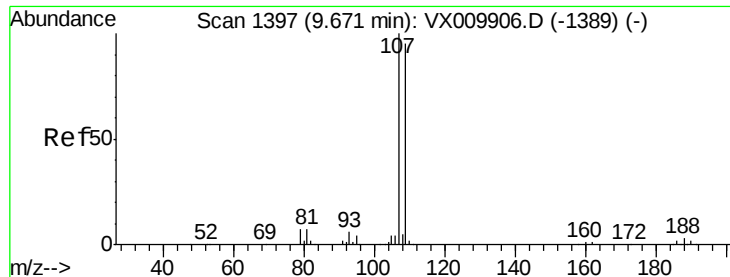
Tgt Ion: 75 Resp: 1219
Ion Ratio Lower Upper
75 100
77 6.3 25.0 37.6#



#59
2-Hexanone
Concen: 0.681 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7





#61

1,2-Dibromoethane

Concen: 0.373 ug/l

RT: 9.82 min Scan# 1421

Delta R.T. 0.15 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

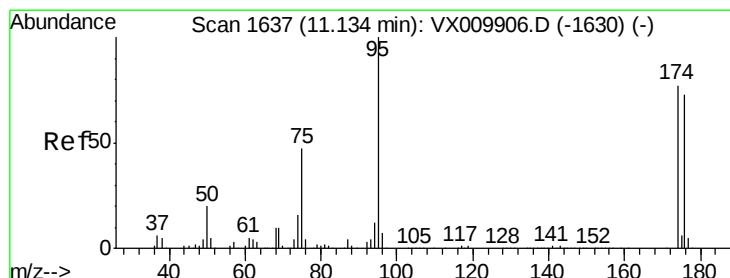
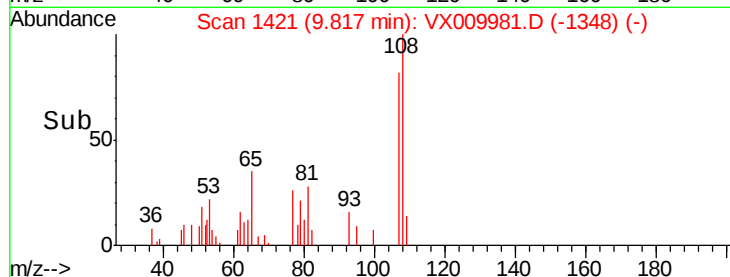
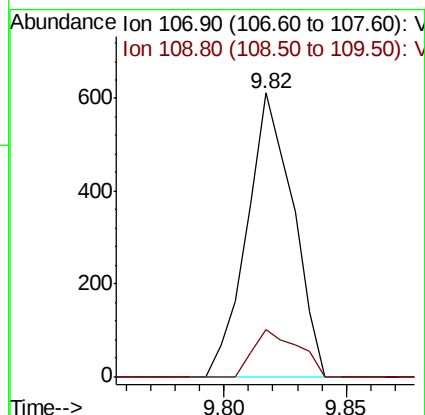
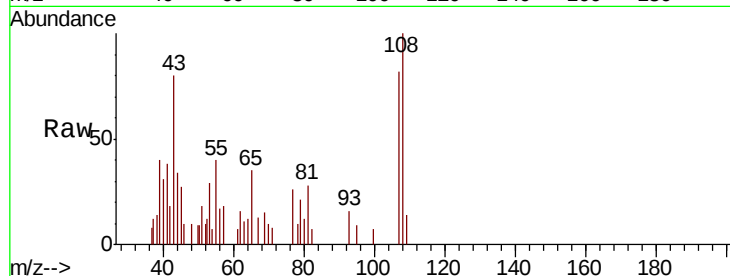
51030

Tgt Ion: 107 Resp: 804

Ion Ratio Lower Upper

107 100

109 16.2 75.2 112.8#



#62

4-Bromofluorobenzene

Concen: 43.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

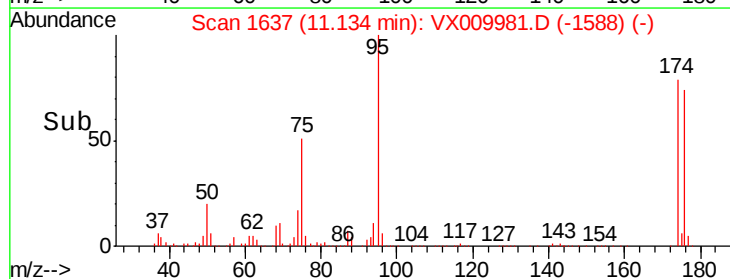
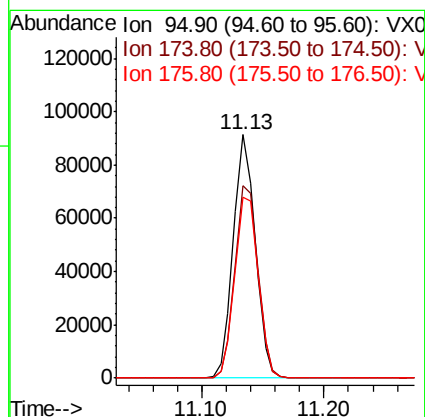
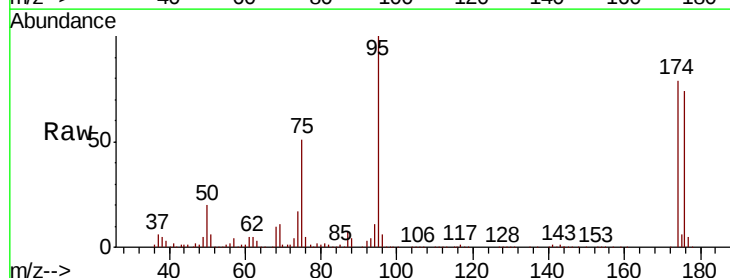
Tgt Ion: 95 Resp: 113578

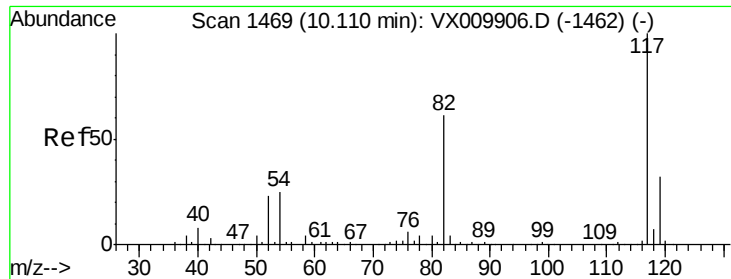
Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

176 79.7 0.0 159.2

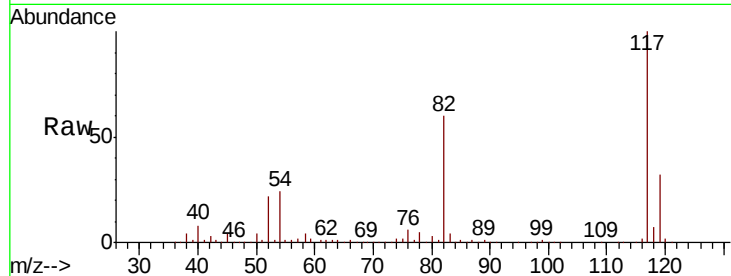




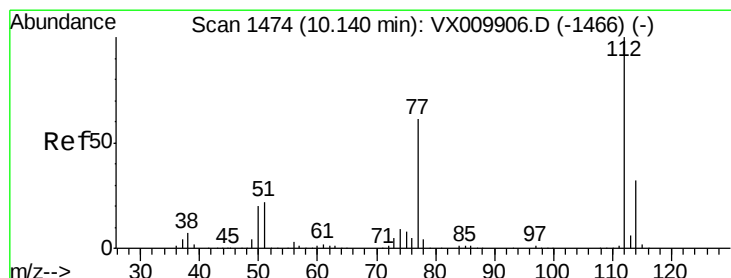
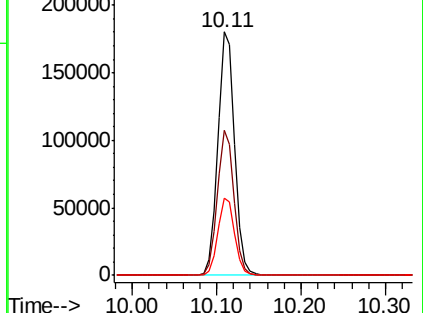
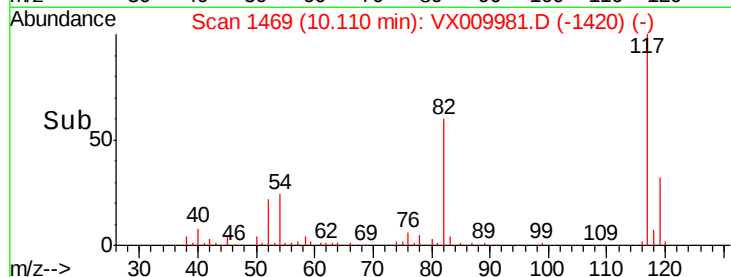
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
51030

Tgt Ion:117 Resp: 247923
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 31.9 25.8 38.6

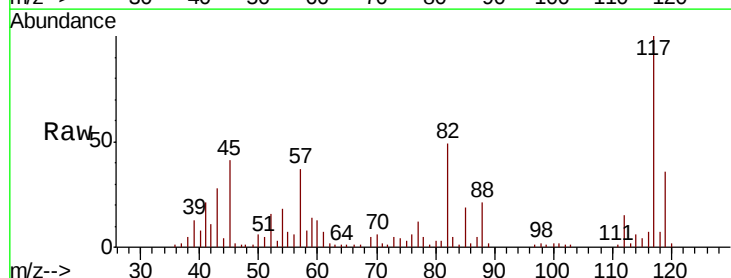


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

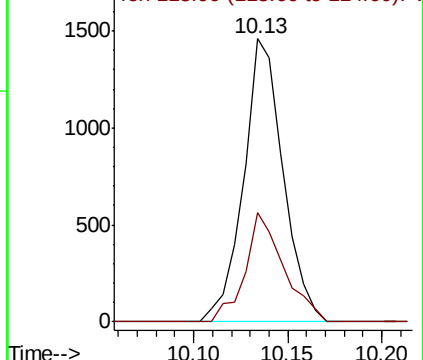
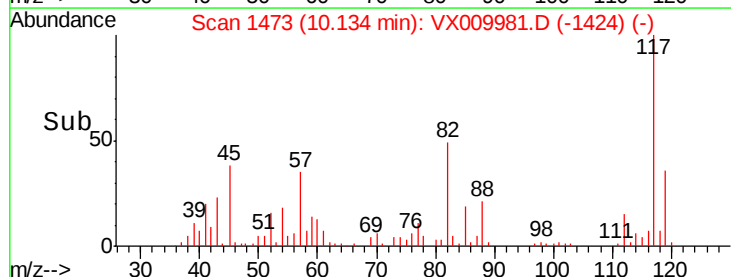


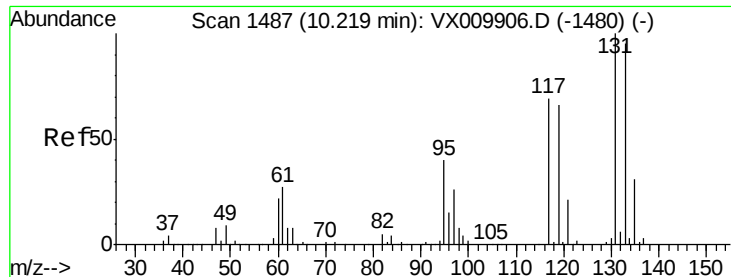
#65
Chlorobenzene
Concen: 0.409 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:112 Resp: 2124
Ion Ratio Lower Upper
112 100
114 38.6 25.5 38.3#



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

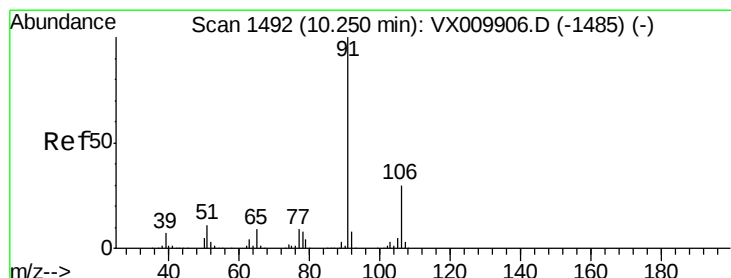
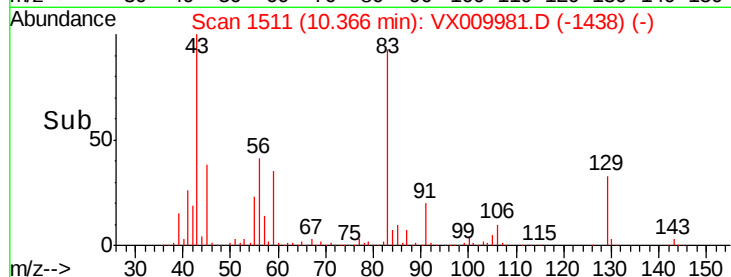
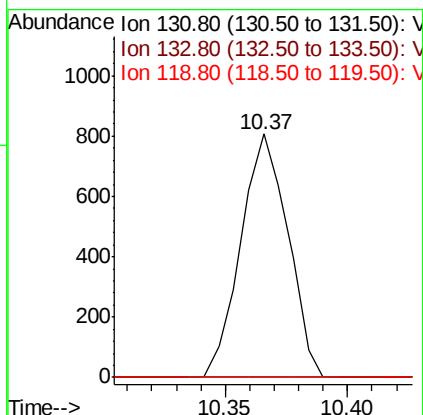
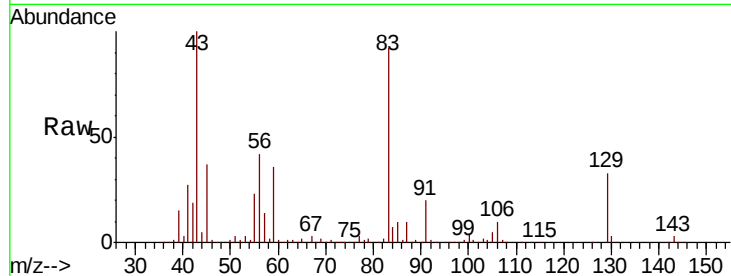




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.598 ug/l
 RT: 10.37 min Scan# 1511
 Delta R.T. 0.15 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

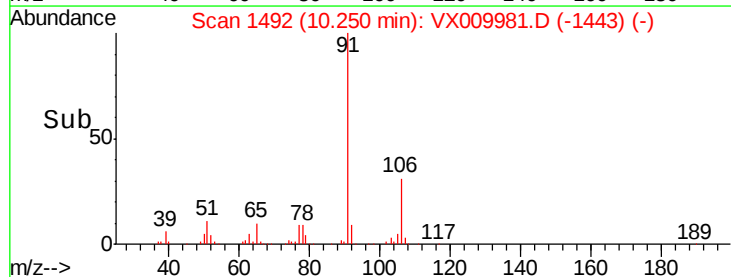
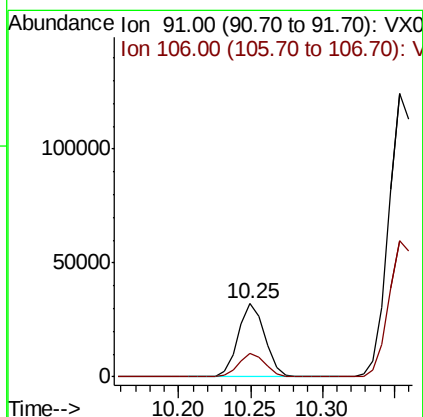
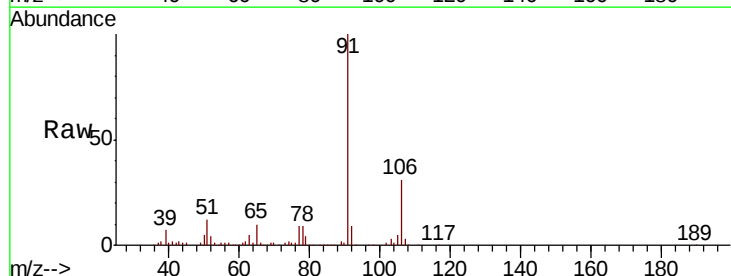
Instrument :
 MSVOA_X
 ClientSampled :
 51030

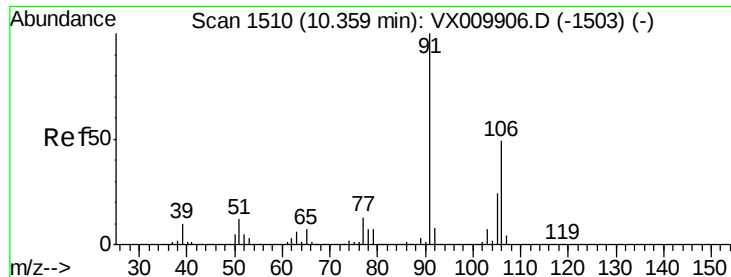
Tgt Ion: 131 Resp: 1076
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.7 143.1#
 119 0.0 33.5 100.4#



#67
 Ethyl Benzene
 Concen: 4.501 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 91 Resp: 41950
 Ion Ratio Lower Upper
 91 100
 106 31.5 24.0 36.0

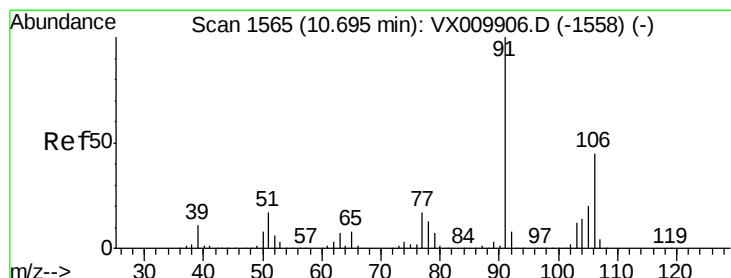
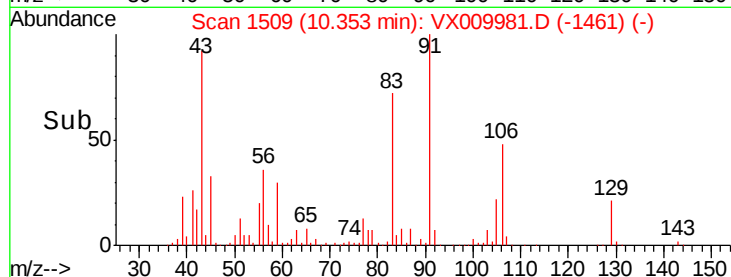
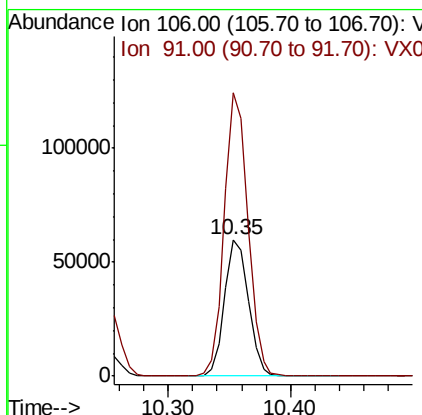
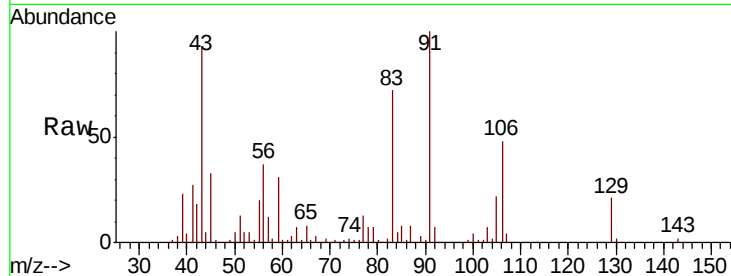




#68
m/p-Xylenes
Concen: 23.620 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

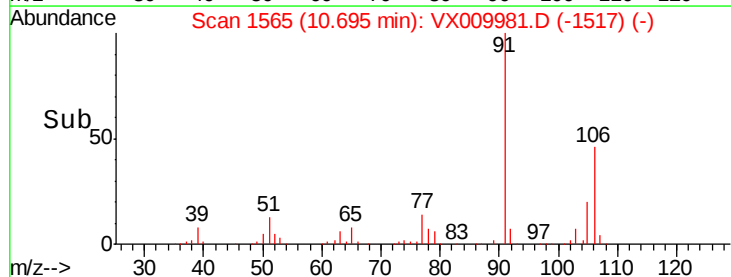
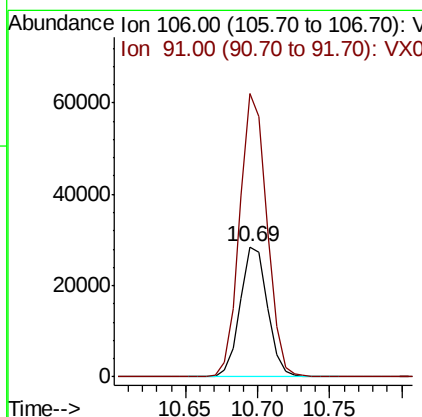
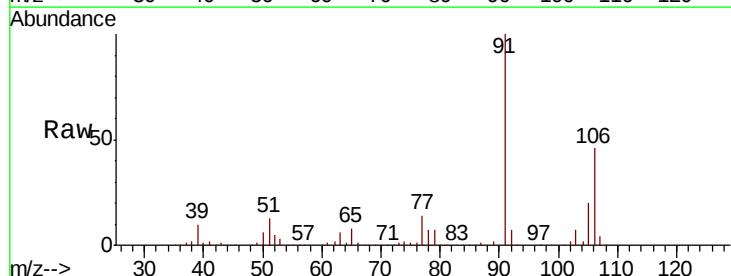
Instrument :
MSVOA_X
ClientSampleId :
51030

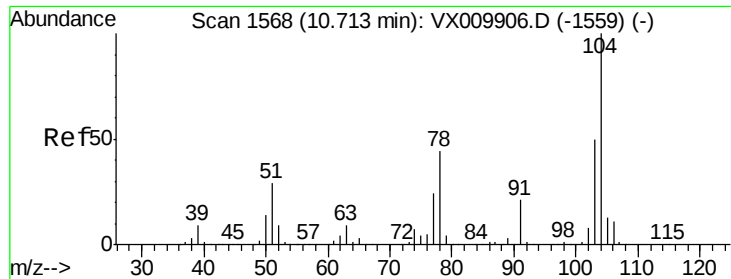
Tgt Ion:106 Resp: 81322
Ion Ratio Lower Upper
106 100
91 205.1 164.0 246.0



#69
o-Xylene
Concen: 11.383 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:106 Resp: 37586
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4





#70

Styrene

Concen: 0.438 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

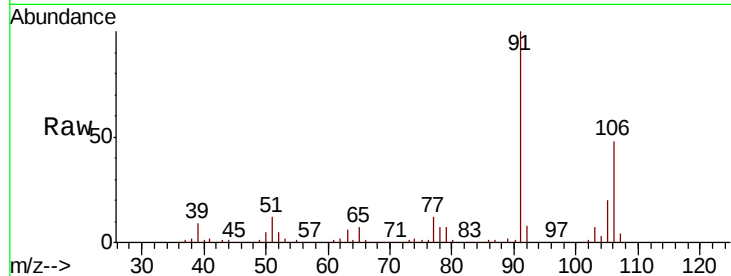
Tgt Ion:104 Resp: 2537

Ion Ratio Lower Upper

104 100

78 229.0 41.0 61.4#

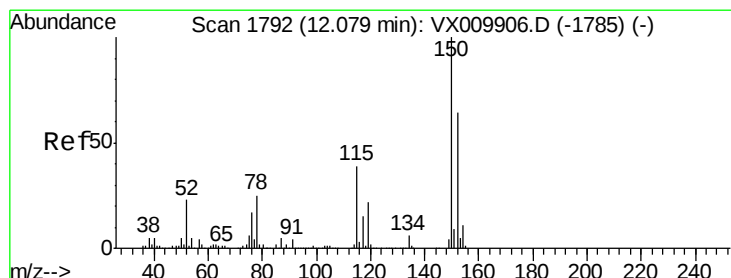
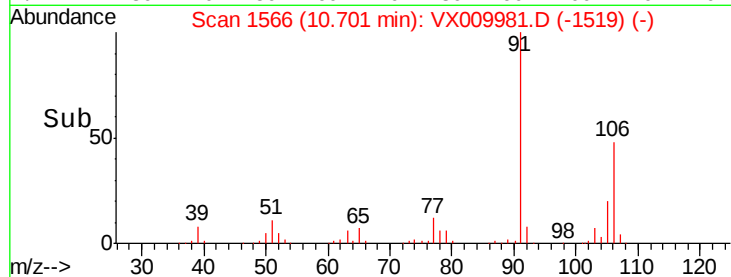
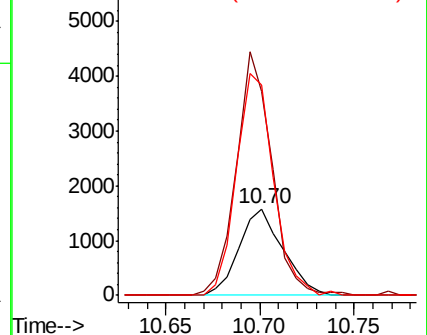
103 218.8 43.8 65.6#



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

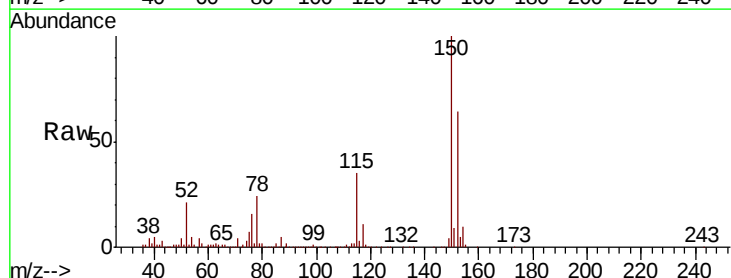
Tgt Ion:152 Resp: 101378

Ion Ratio Lower Upper

152 100

115 57.9 41.2 123.6

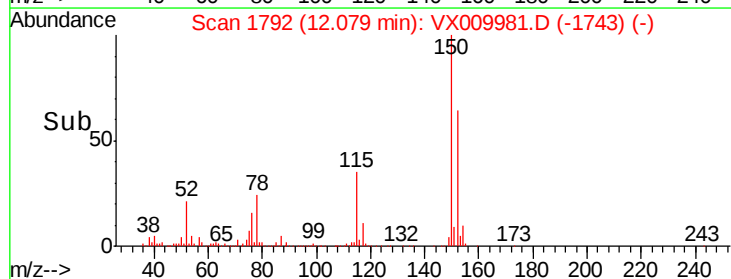
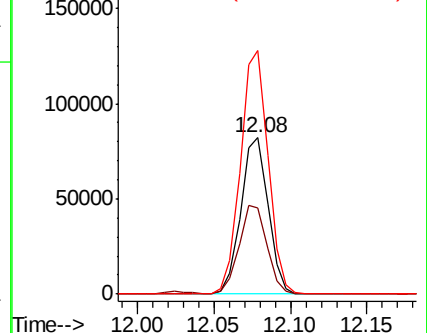
150 157.2 0.0 346.4

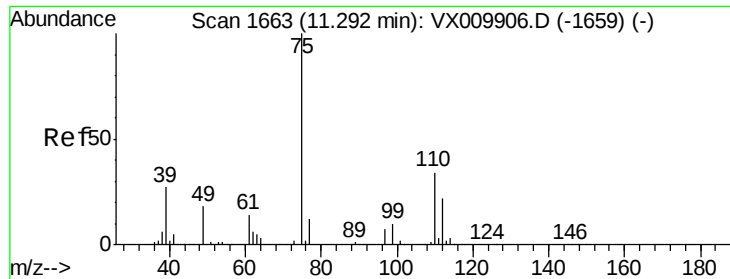


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

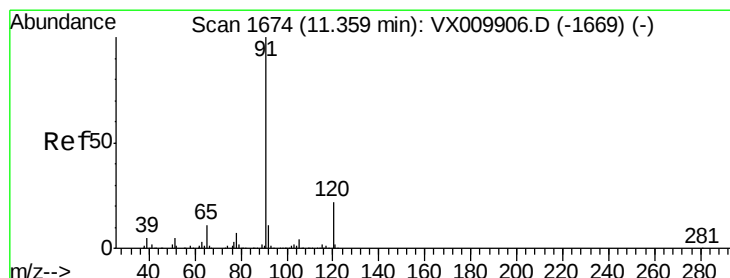
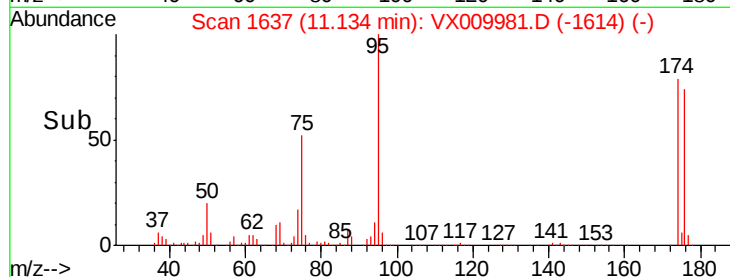
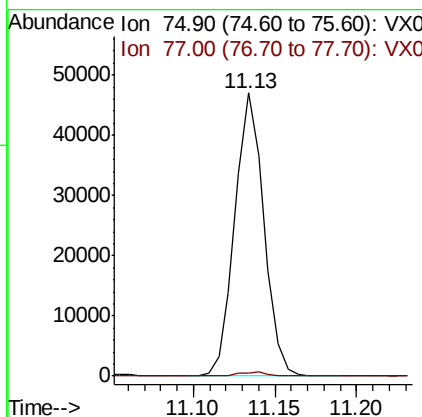
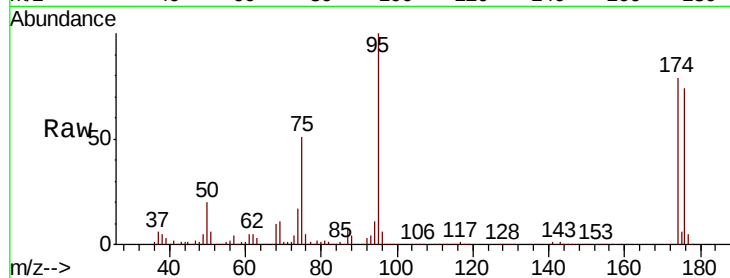




#76
 1,2,3-Trichloropropane
 Concen: 20.238 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

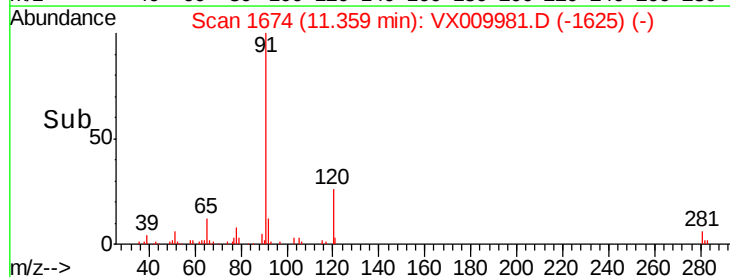
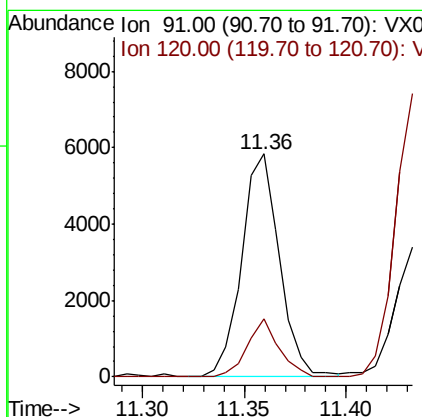
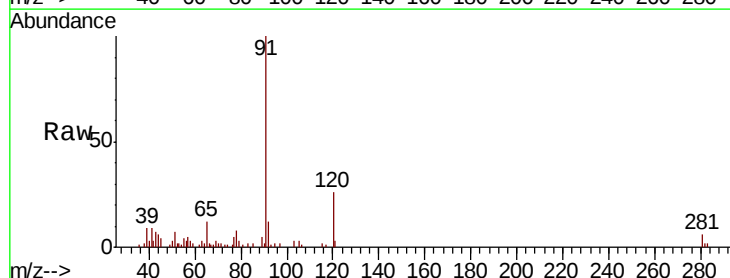
Instrument :
 MSVOA_X
 ClientSampled :
 51030

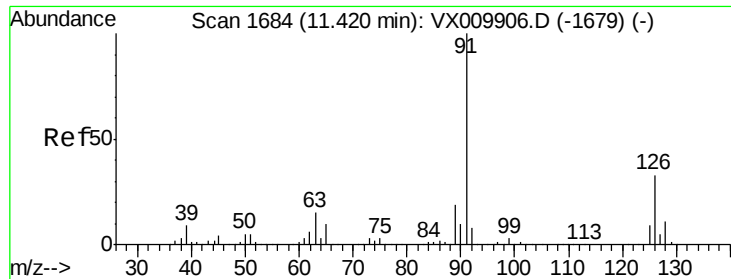
Tgt Ion: 75 Resp: 58081
 Ion Ratio Lower Upper
 75 100
 77 1.8 22.1 66.1#



#78
 n-propylbenzene
 Concen: 0.871 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion: 91 Resp: 7509
 Ion Ratio Lower Upper
 91 100
 120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 0.944 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

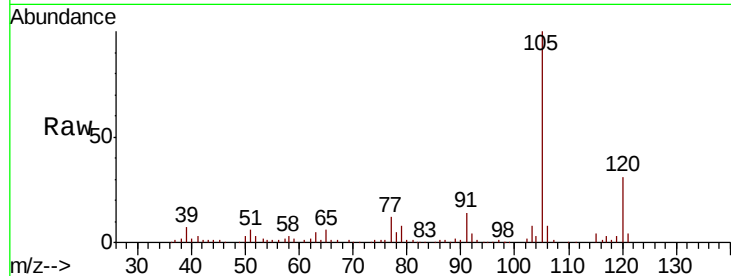
51030

Tgt Ion: 91 Resp: 4972

Ion Ratio Lower Upper

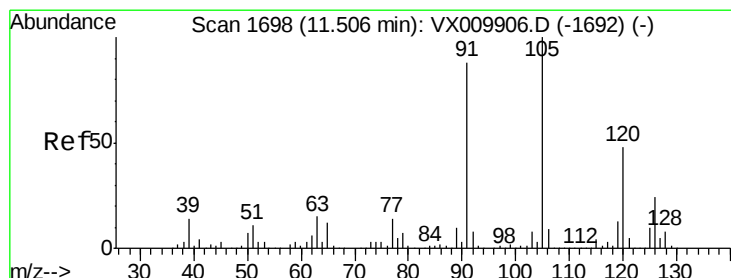
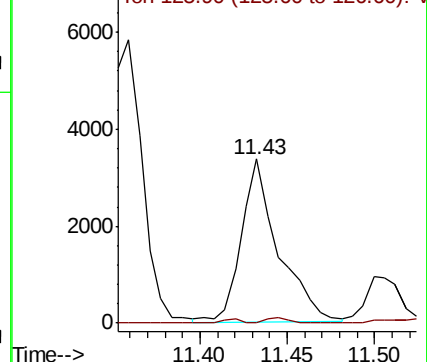
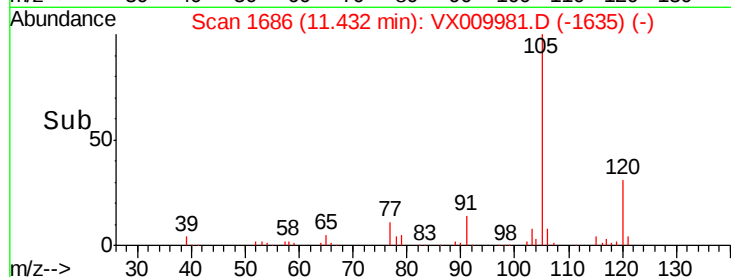
91 100

126 1.1 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX009981.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009981.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.670 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009981.D

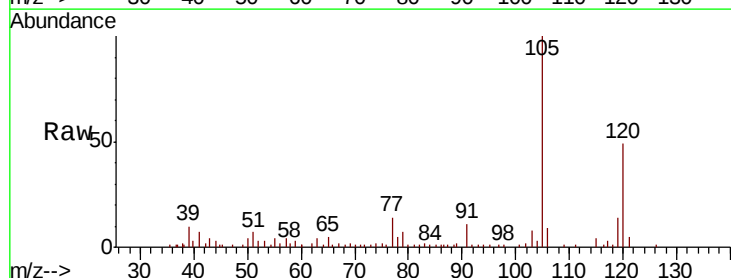
Acq: 31 May 2019 13:11

Tgt Ion: 105 Resp: 10522

Ion Ratio Lower Upper

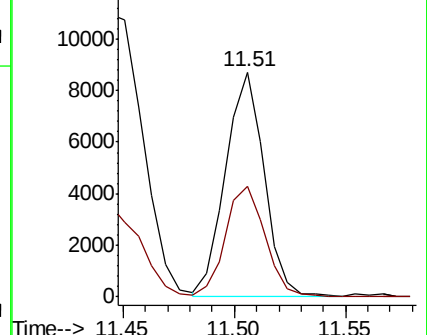
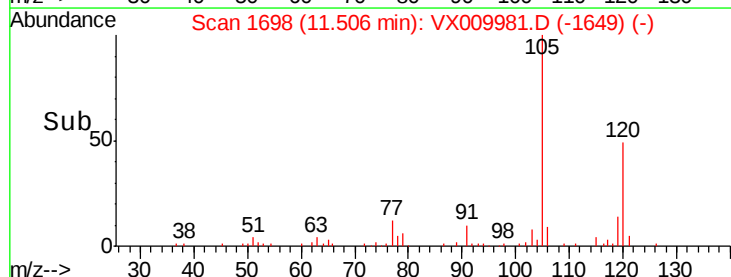
105 100

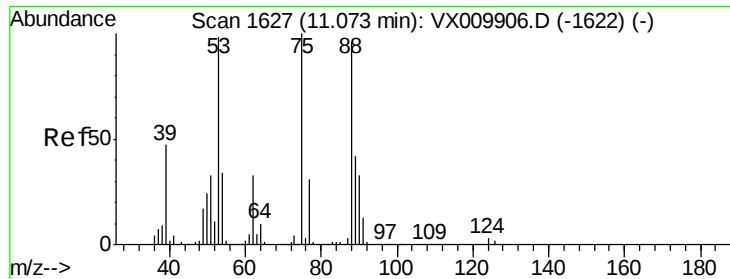
120 50.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009981.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009981.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.276 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

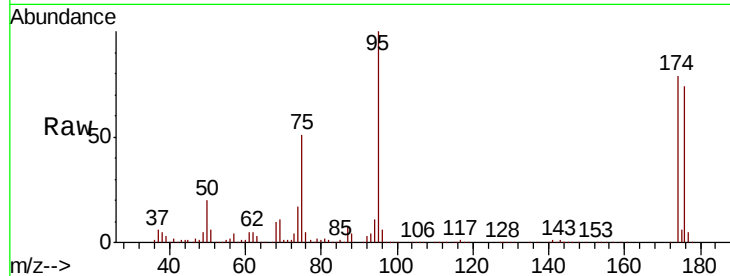
Tgt Ion: 75 Resp: 58081

Ion Ratio Lower Upper

75 100

53 0.4 79.0 118.6#

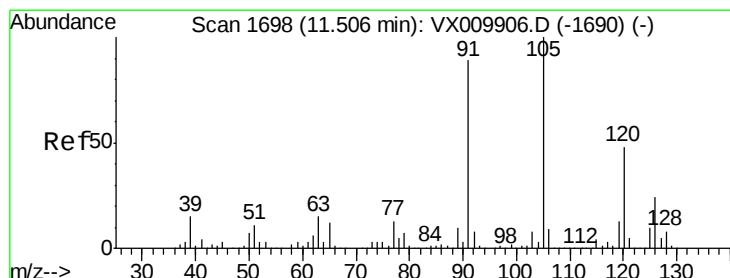
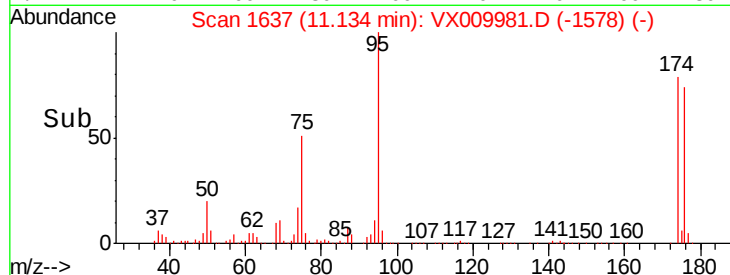
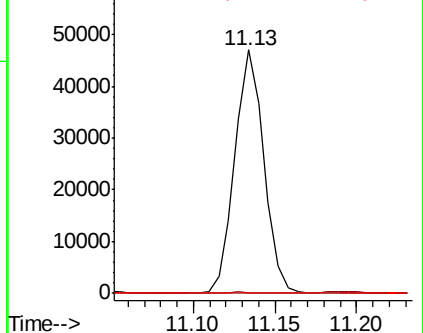
89 0.0 34.7 52.1#



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



#82

4-Chlorotoluene

Concen: 0.228 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX009981.D

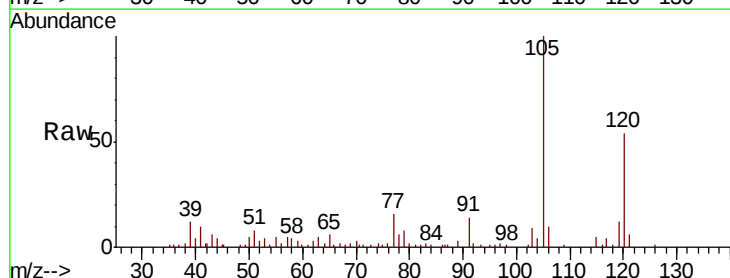
Acq: 31 May 2019 13:11

Tgt Ion: 91 Resp: 1401

Ion Ratio Lower Upper

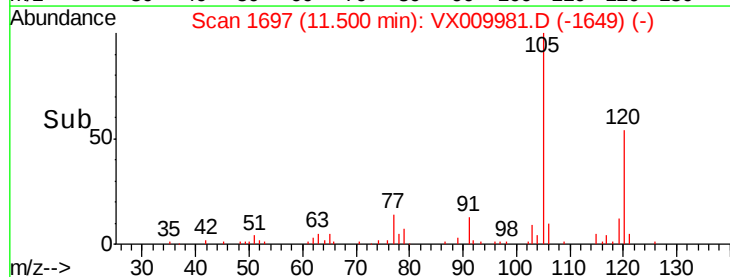
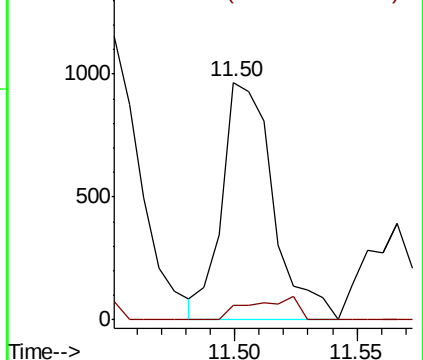
91 100

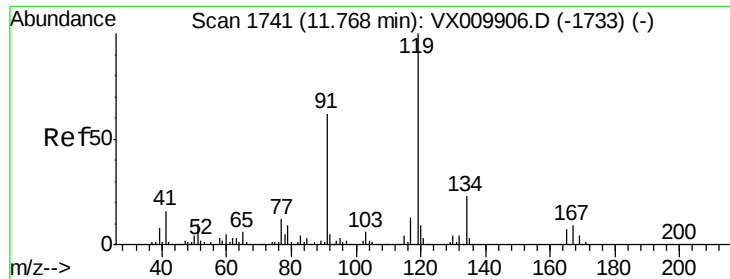
126 0.0 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

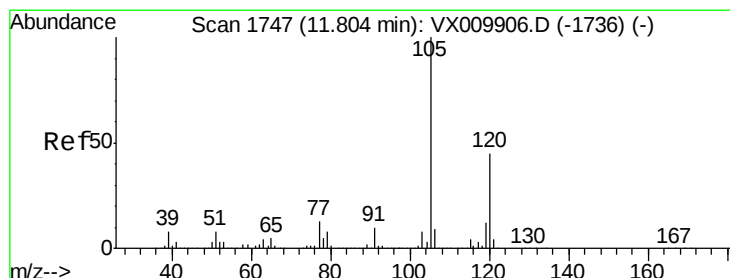
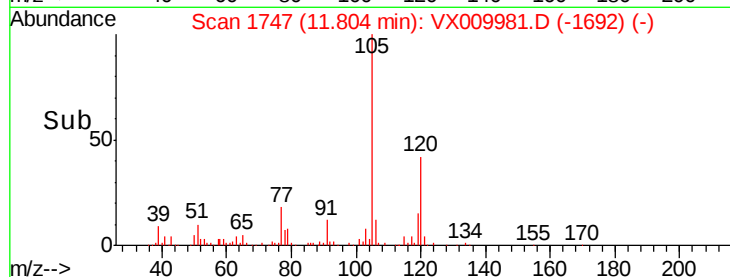
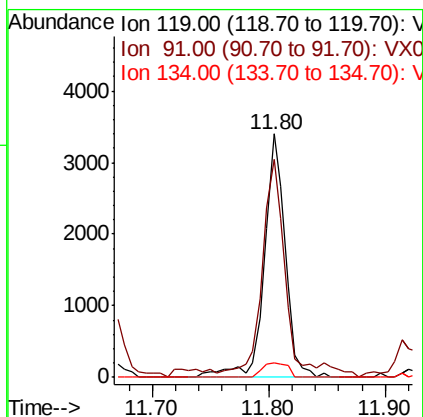
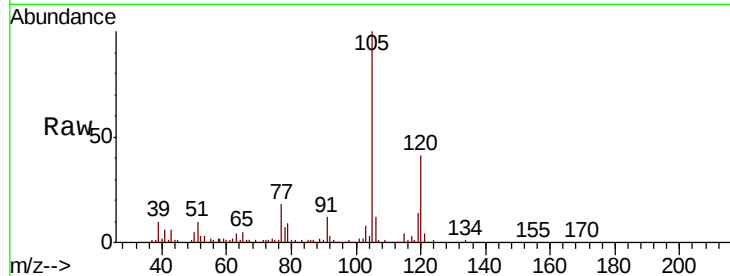




#83
tert-Butylbenzene
Concen: 0.712 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

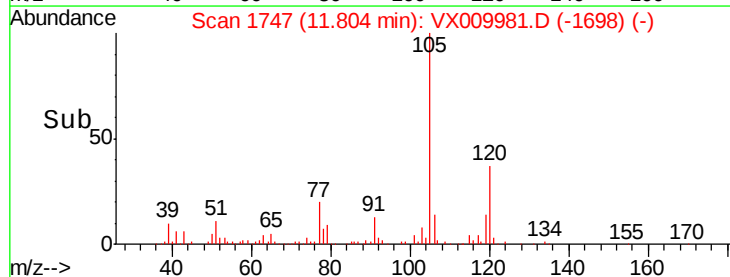
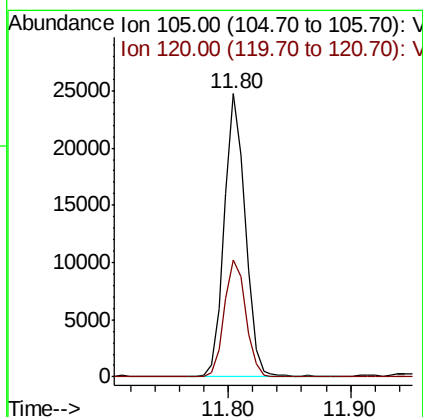
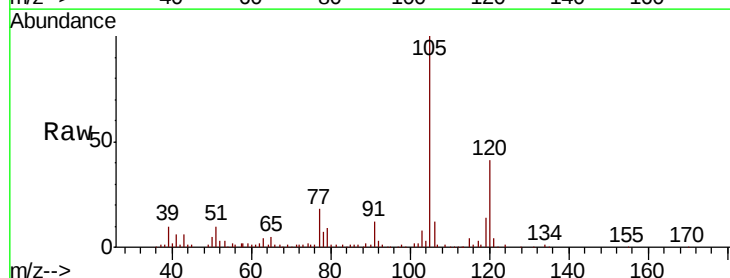
Instrument :
MSVOA_X
ClientSampleId :
51030

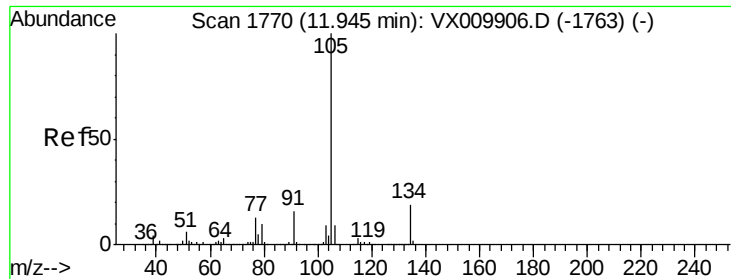
Tgt Ion:119 Resp: 4291
Ion Ratio Lower Upper
119 100
91 90.2 29.5 88.5#
134 7.2 11.4 34.1#



#84
1,2,4-Trimethylbenzene
Concen: 4.622 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:105 Resp: 29580
Ion Ratio Lower Upper
105 100
120 42.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.202 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.08 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

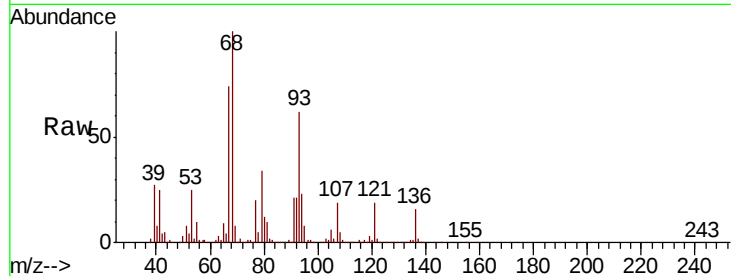
51030

Tgt Ion:105 Resp: 8621

Ion Ratio Lower Upper

105 100

134 17.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

8000

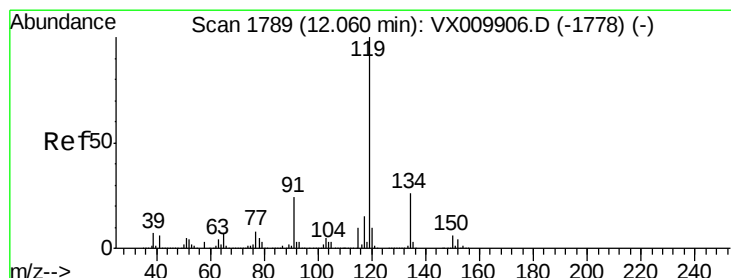
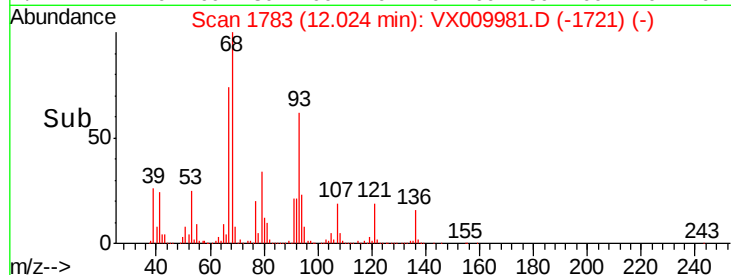
6000

4000

2000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.315 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

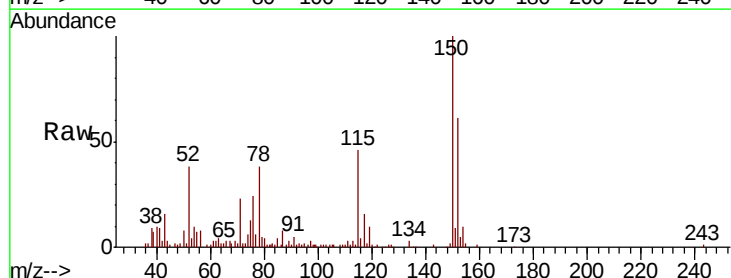
Tgt Ion:119 Resp: 2033

Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

91 0.0 11.8 35.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

25000

20000

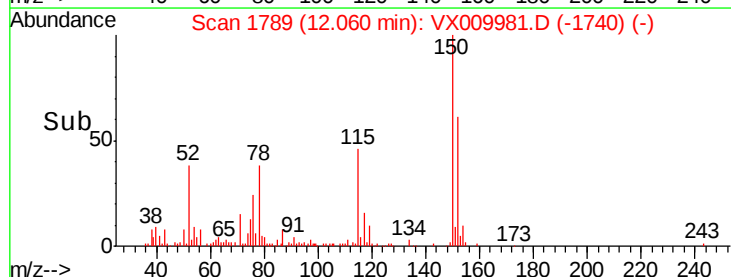
15000

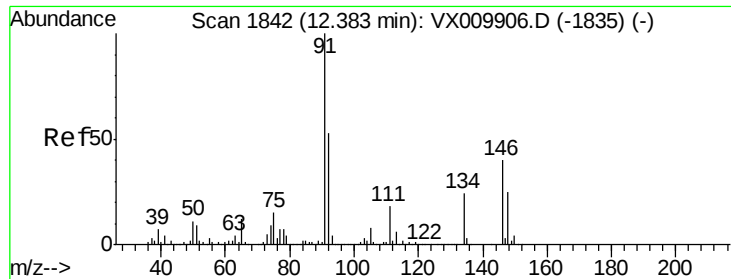
10000

5000

0

Time-->





#89

n-Butylbenzene

Concen: 0.356 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

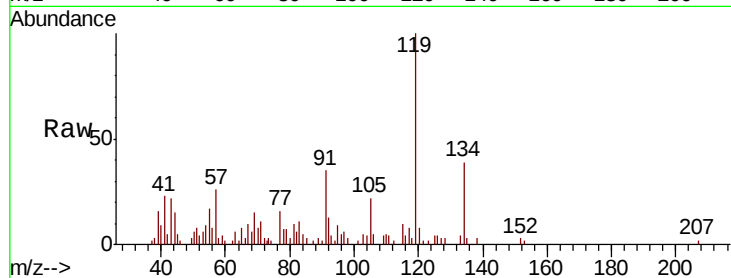
Tgt Ion: 91 Resp: 2161

Ion Ratio Lower Upper

91 100

92 34.8 26.5 79.5

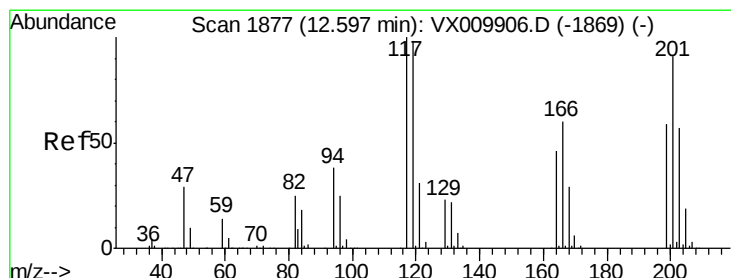
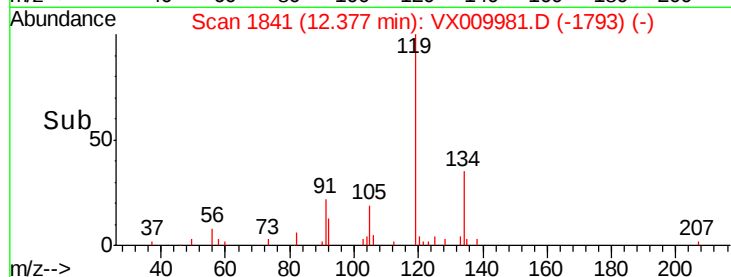
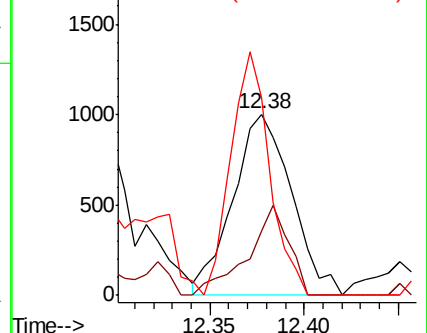
134 89.0 12.4 37.2#



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: 0.408 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009981.D

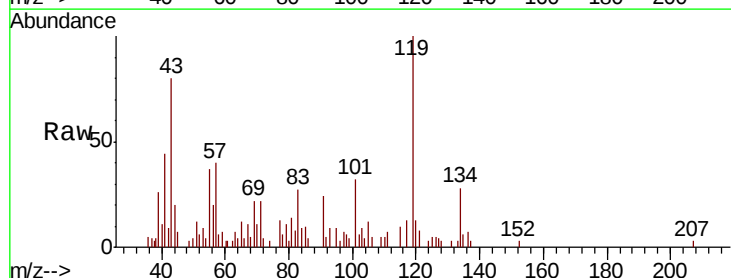
Acq: 31 May 2019 13:11

Tgt Ion: 117 Resp: 452

Ion Ratio Lower Upper

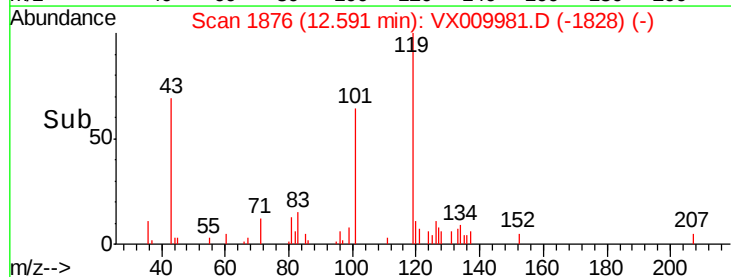
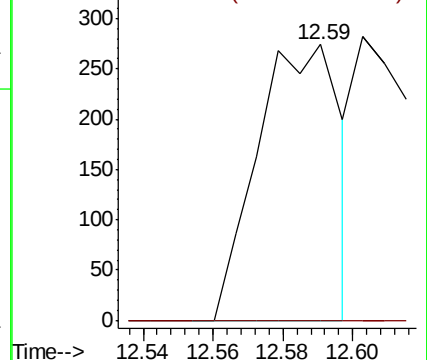
117 100

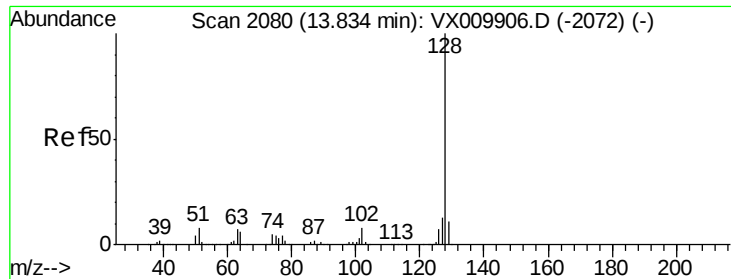
201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

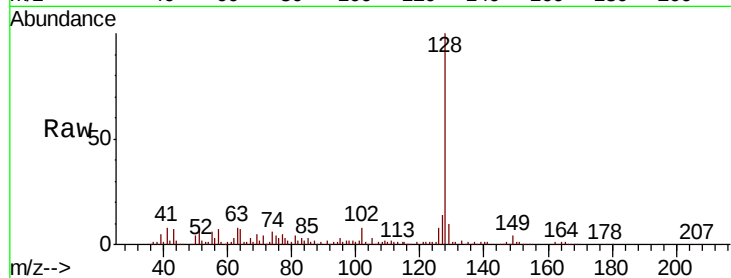




#95
Naphthalene
Concen: 4.553 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
51030

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.4	15.6
129	12.4	8.6	13.0



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

