

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008464.D
 Acq On : 26 Mar 2019 19:08
 Operator : JC/SP
 Sample : K2088-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MS

Quant Time: Mar 27 01:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140189	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	140021	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	5.49	113	103815	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	413135	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.13	95	154299	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102244	45.318	ug/l	99
3) Chloromethane	1.32	50	122782	43.034	ug/l	100
4) Vinyl Chloride	1.40	62	143940	45.693	ug/l	99
5) Bromomethane	1.64	94	1227	2.523	ug/l #	77
6) Chloroethane	1.71	64	86506	46.355	ug/l	96
7) Trichlorofluoromethane	1.92	101	165833	46.481	ug/l	99
8) Diethyl Ether	2.18	74	78569	46.533	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101944	47.280	ug/l	99
10) Methyl Iodide	2.51	142	459	4.330	ug/l #	91
11) Tert butyl alcohol	3.05	59	152955	237.911	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103419	46.443	ug/l	99
13) Acrolein	2.29	56	12091	25.898	ug/l	87
14) Allyl chloride	2.72	41	104779	21.358	ug/l #	88
15) Acrylonitrile	3.14	53	399295	236.855	ug/l	100
16) Acetone	2.44	43	385609	254.255	ug/l	99
17) Carbon Disulfide	2.57	76	302903	47.391	ug/l	100
18) Methyl Acetate	2.77	43	237949	65.325	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	391446	48.782	ug/l	98
20) Methylene Chloride	2.85	84	125938	50.890	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	110521	49.809	ug/l	99
22) Diisopropyl ether	3.85	45	464167	48.051	ug/l	95
23) Vinyl Acetate	3.81	43	1783060	211.572	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232813	47.739	ug/l	99
25) 2-Butanone	4.67	43	587298	241.546	ug/l	99
26) 2,2-Dichloropropane	4.58	77	134660	41.515	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	130006	47.744	ug/l	98
28) Bromochloromethane	5.02	49	116470	48.340	ug/l	100
29) Tetrahydrofuran	5.12	42	381937	238.341	ug/l	99
30) Chloroform	5.21	83	211429	48.039	ug/l	99
31) Cyclohexane	5.58	56	219733	47.242	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	169479	48.175	ug/l	99
36) 1,1-Dichloropropene	5.80	75	162185	45.807	ug/l	99
37) Ethyl Acetate	4.83	43	213989	46.653	ug/l	100
38) Carbon Tetrachloride	5.78	117	140064	47.403	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	194348	45.931	ug/l	98
40) Benzene	6.14	78	500733	47.240	ug/l	100
41) Methacrylonitrile	5.04	41	124298	48.222	ug/l	99
42) 1,2-Dichloroethane	6.19	62	177391	45.709	ug/l	100
43) Isopropyl Acetate	6.45	43	348772	47.539	ug/l	100
44) Trichloroethene	7.21	130	114737	46.102	ug/l	100
45) 1,2-Dichloropropane	7.51	63	143682	47.690	ug/l	97
46) Dibromomethane	7.66	93	81654	46.412	ug/l	99
47) Bromodichloromethane	7.90	83	162598	48.284	ug/l	100
48) Methyl methacrylate	7.77	41	182619	49.747	ug/l	99
49) 1,4-Dioxane	7.74	88	64126	878.550	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1187416	249.186	ug/l	100
52) Toluene	8.78	92	304369	48.024	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	45027	12.207	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	3613	0.861	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	122586	47.515	ug/l	99
56) Ethyl methacrylate	9.18	69	222655	47.811	ug/l	99
57) 1,3-Dichloropropane	9.37	76	217723	47.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	575248	238.962	ug/l	99
59) 2-Hexanone	9.49	43	925820	250.742	ug/l	100
60) Dibromochloromethane	9.58	129	116421	47.450	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123215	46.799	ug/l	100
64) Tetrachloroethene	9.34	164	103644	52.021	ug/l	99
65) Chlorobenzene	10.14	112	300846	47.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	107774	48.810	ug/l	100
67) Ethyl Benzene	10.25	91	578184	47.869	ug/l	100
68) m/p-Xylenes	10.36	106	418518	95.245	ug/l	100
69) o-Xylene	10.69	106	207513	48.664	ug/l	99
70) Styrene	10.71	104	359840	48.853	ug/l	100
71) Bromoform	10.85	173	84790	48.625	ug/l #	100
73) Isopropylbenzene	11.02	105	537478	47.126	ug/l	100
74) N-amyl acetate	10.90	43	306449	46.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	211808	47.865	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	174512	41.872	ug/l	82
77) Bromobenzene	11.26	156	127984	46.237	ug/l	99
78) n-propylbenzene	11.36	91	636698	47.656	ug/l	100
79) 2-Chlorotoluene	11.42	91	380201	46.787	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	456340	47.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	6464	4.968	ug/l #	64
82) 4-Chlorotoluene	11.51	91	437045	46.625	ug/l	99
83) tert-Butylbenzene	11.77	119	423358	45.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	456811	46.840	ug/l	99
85) sec-Butylbenzene	11.94	105	518545	46.808	ug/l	100
86) p-Isopropyltoluene	12.06	119	464494	47.517	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	231771	46.864	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	231329	46.347	ug/l	100
89) n-Butylbenzene	12.38	91	432843	46.743	ug/l	100
90) Hexachloroethane	12.60	117	74825	45.947	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	237209	47.895	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46839	48.544	ug/l	99

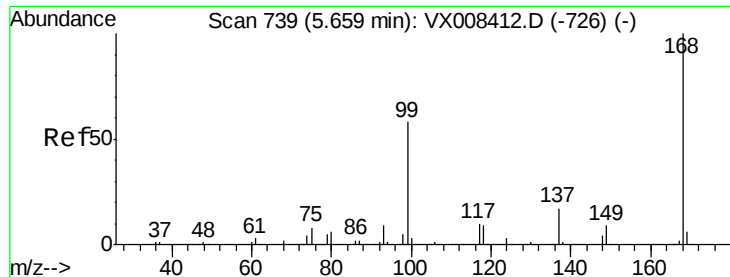
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	158015	47.389	ug/l	99
94) Hexachlorobutadiene	13.78	225	72366	45.706	ug/l	99
95) Naphthalene	13.83	128	545247	47.696	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	158398	47.274	ug/l	99

(#) = 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. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

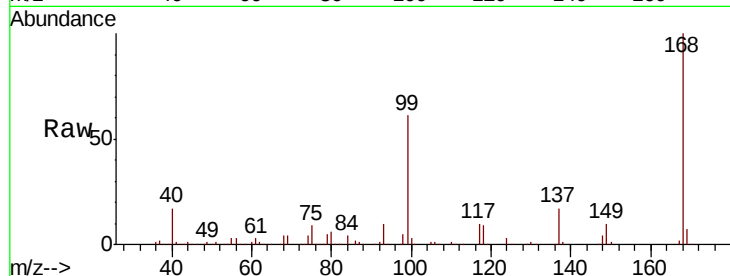
MW-104MS

Tot Ion:168 Resp: 191406

Ion Ratio Lower Upper

168 100

99 60.6 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

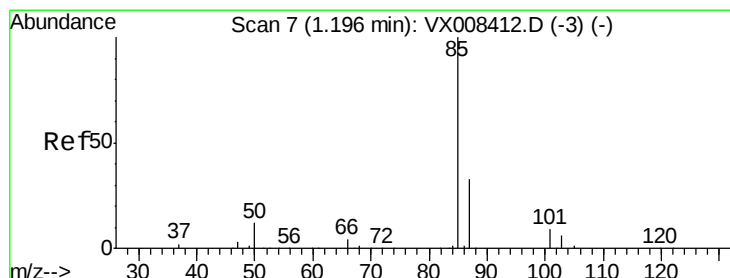
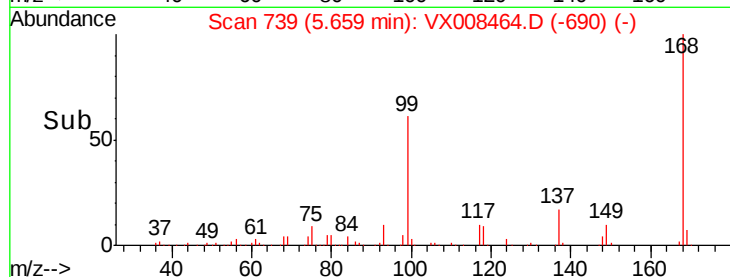
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.318 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008464.D

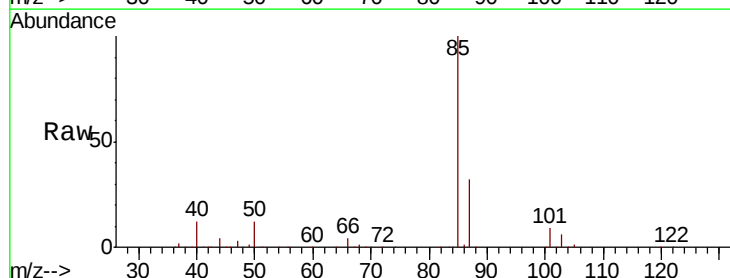
Acq: 26 Mar 2019 19:08

Tgt Ion: 85 Resp: 102244

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

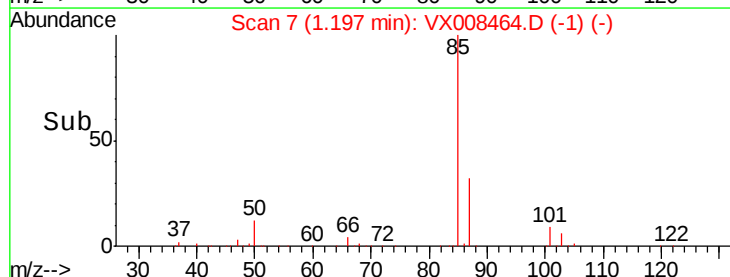
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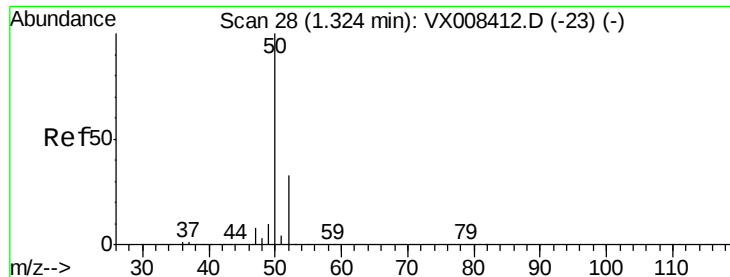
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.034 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

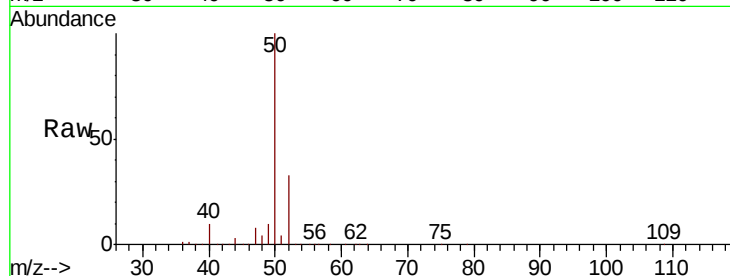
MW-104MS

Tot Ion: 50 Resp: 122782

Ion Ratio Lower Upper

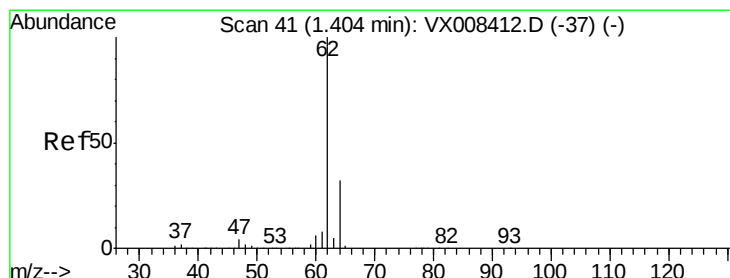
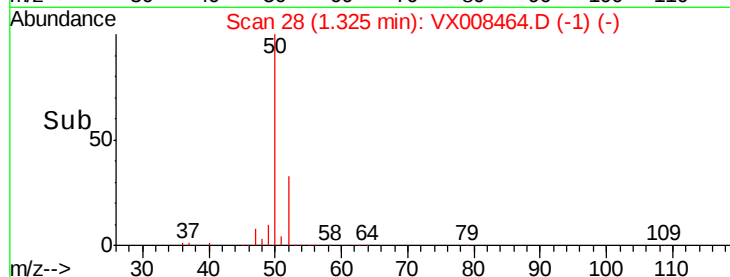
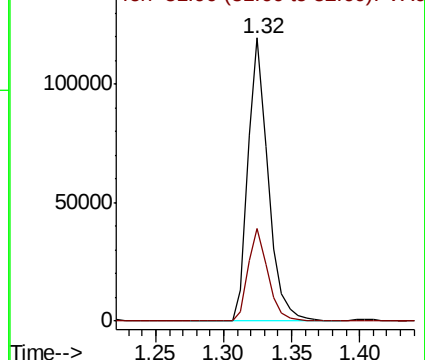
50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.693 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008464.D

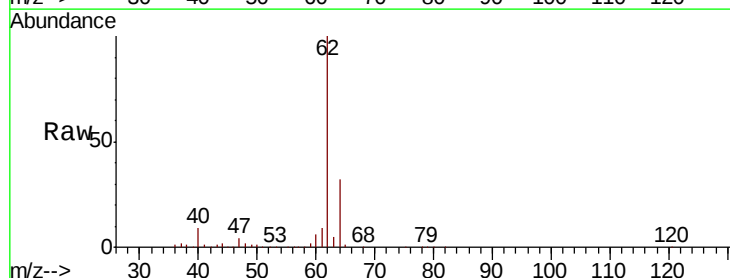
Acq: 26 Mar 2019 19:08

Tgt Ion: 62 Resp: 143940

Ion Ratio Lower Upper

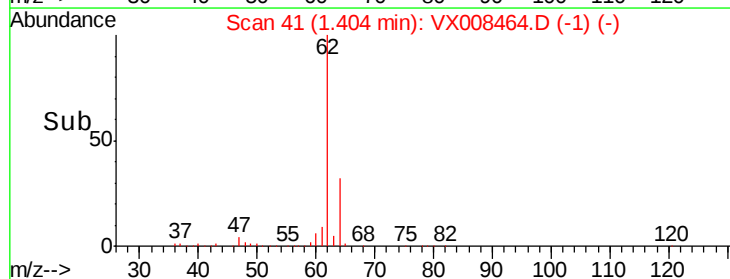
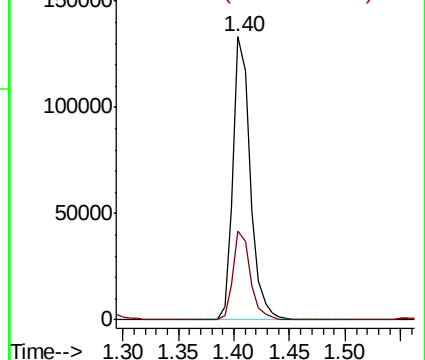
62 100

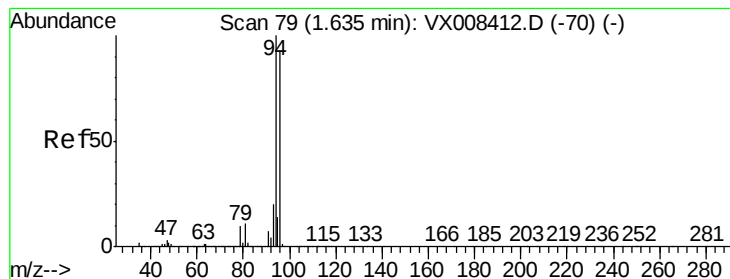
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 2.523 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

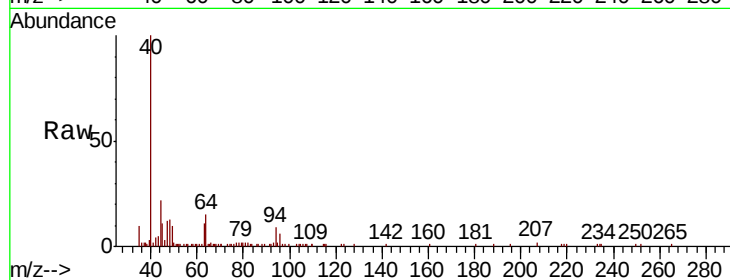
MW-104MS

Tot Ion: 94 Resp: 1227

Ion Ratio Lower Upper

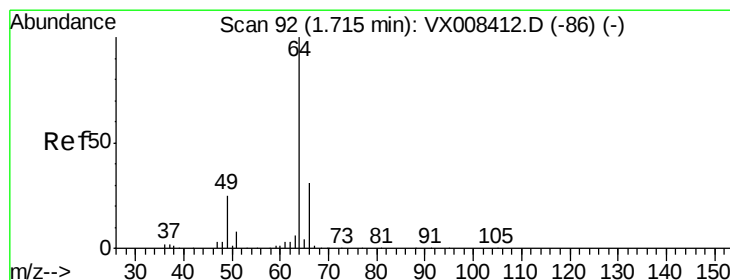
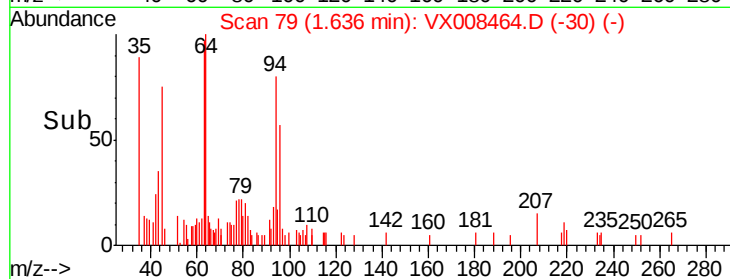
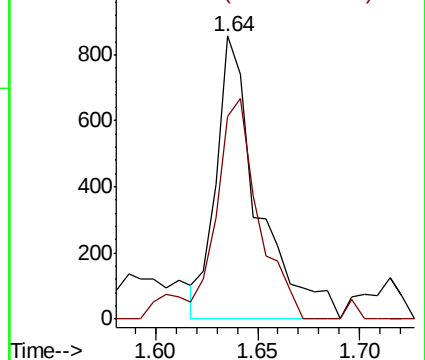
94 100

96 71.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.355 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008464.D

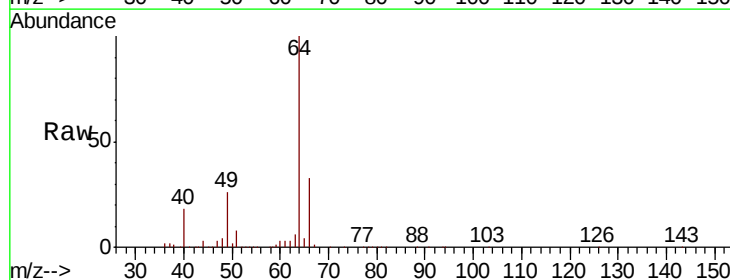
Acq: 26 Mar 2019 19:08

Tgt Ion: 64 Resp: 86506

Ion Ratio Lower Upper

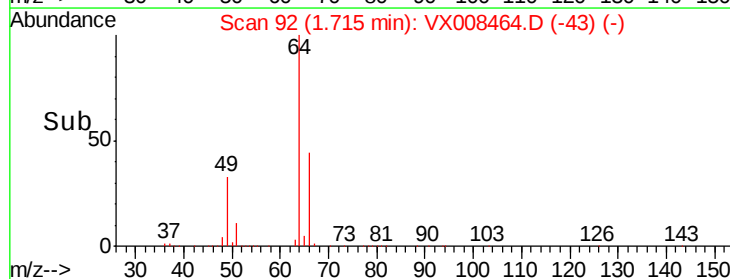
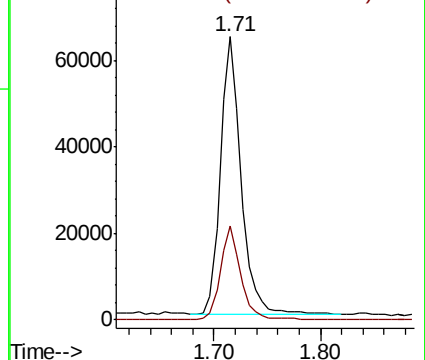
64 100

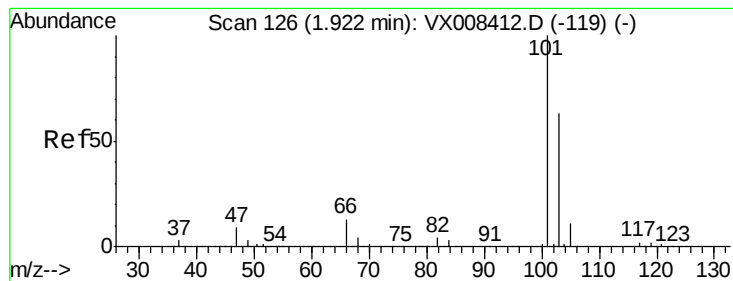
66 33.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



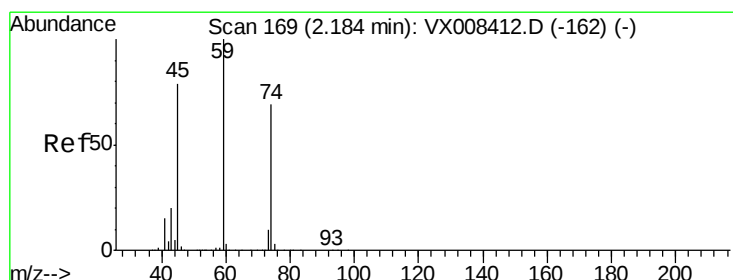
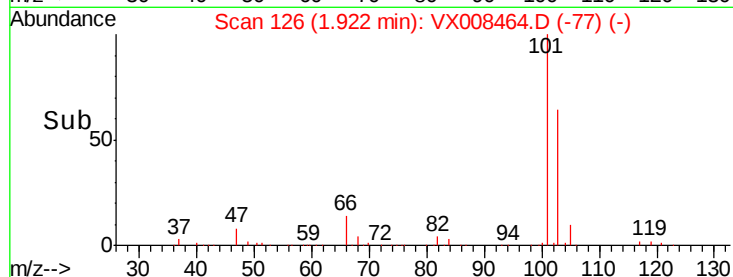
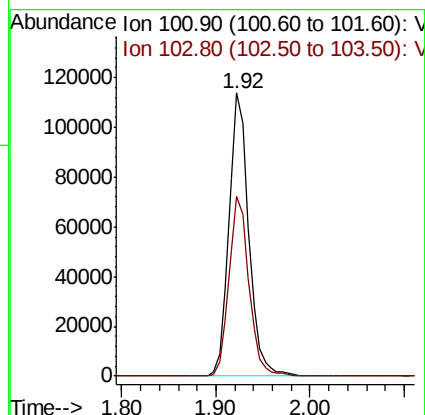
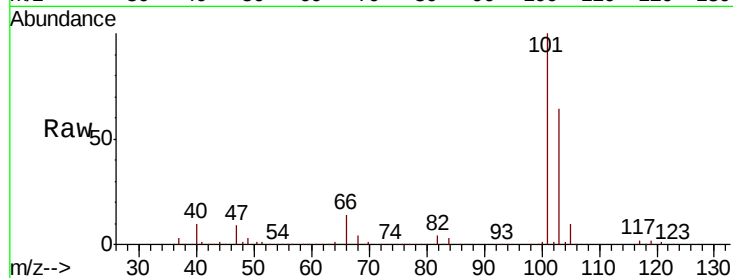


#7

Trichlorofluoromethane
Concen: 46.481 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Instrument :
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MW-104MS

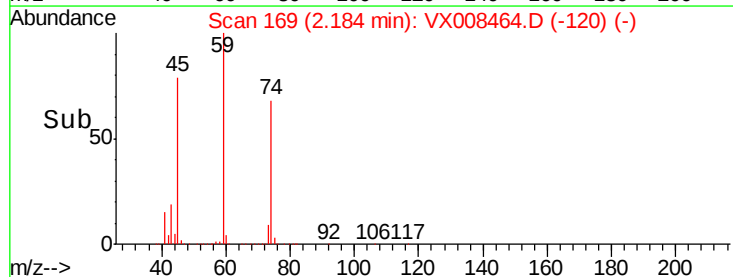
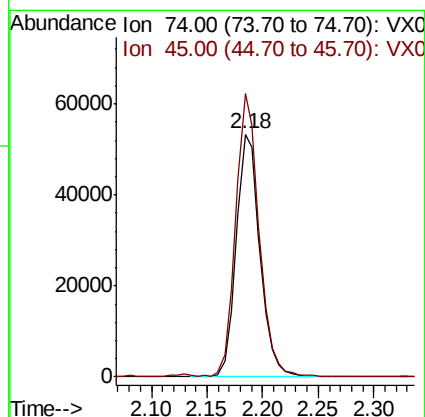
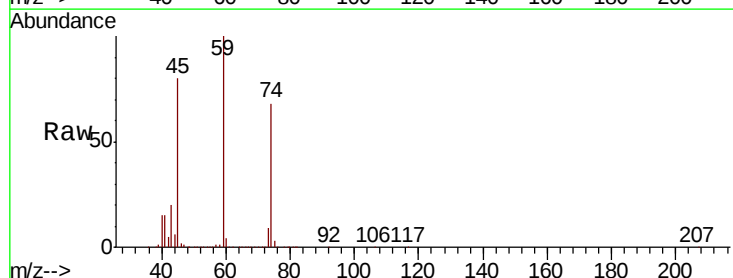
Tot Ion:101 Resp: 165833
Ion Ratio Lower Upper
101 100
103 63.7 50.2 75.4

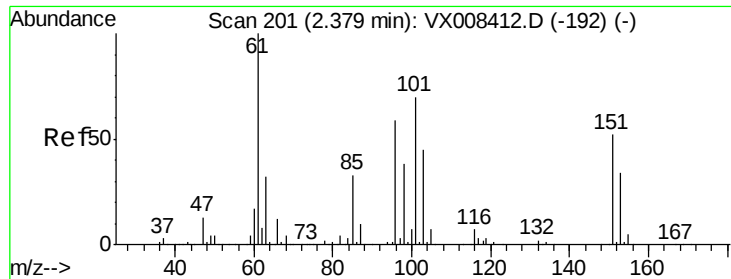


#8

Diethyl Ether
Concen: 46.533 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 74 Resp: 78569
Ion Ratio Lower Upper
74 100
45 114.1 56.4 169.2

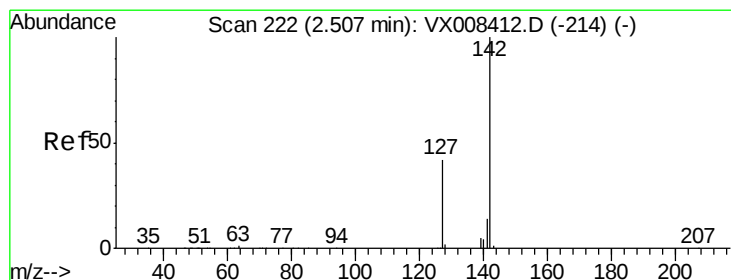
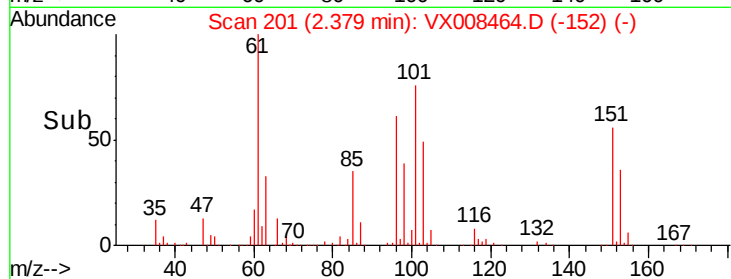
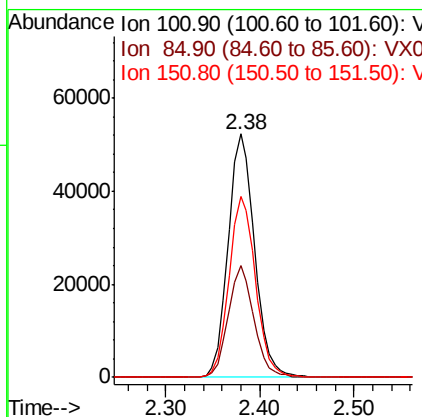
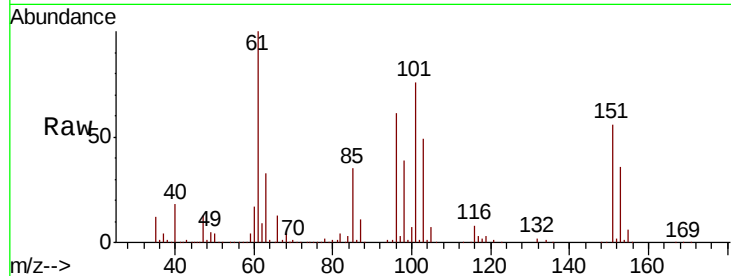




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.280 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

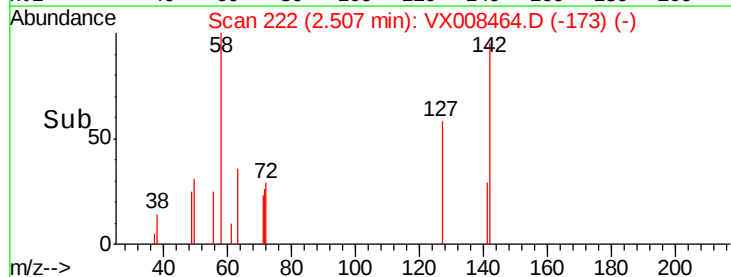
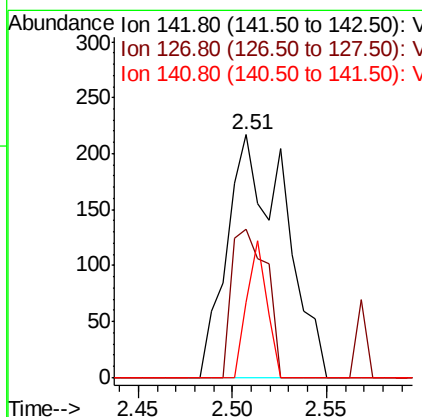
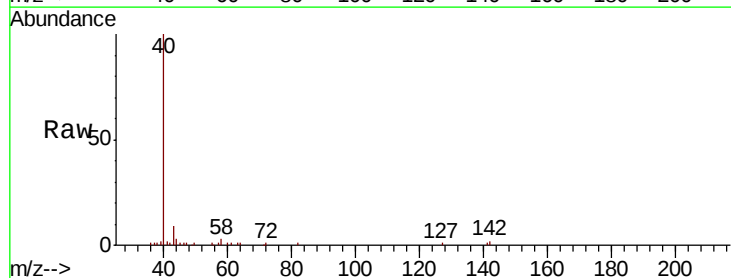
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MS

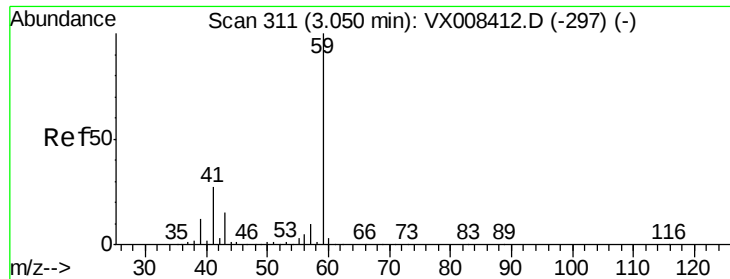
Tot Ion:101 Resp: 101944
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.0 54.0
 151 74.7 59.2 88.8



#10
 Methyl Iodide
 Concen: 4.330 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Tgt Ion:142 Resp: 459
 Ion Ratio Lower Upper
 142 100
 127 37.0 33.6 50.4
 141 19.6 11.3 16.9#

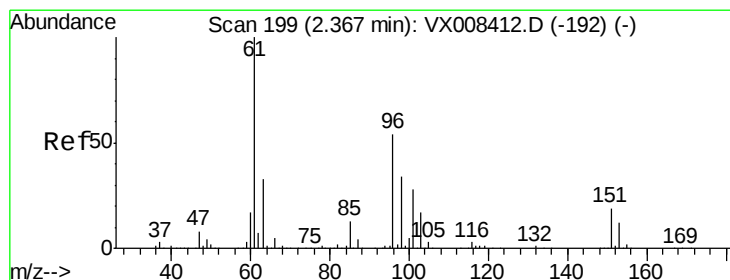
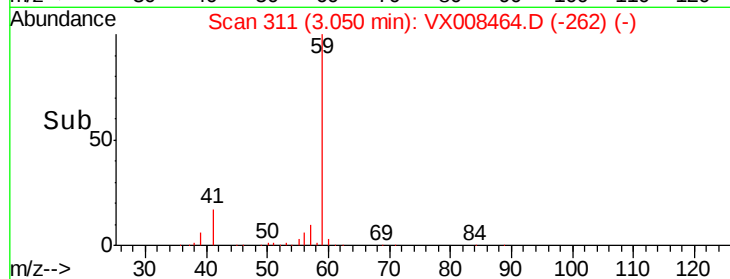
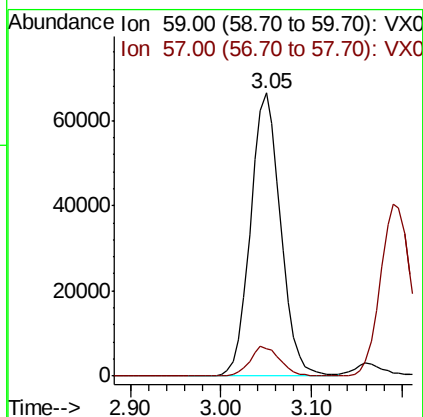
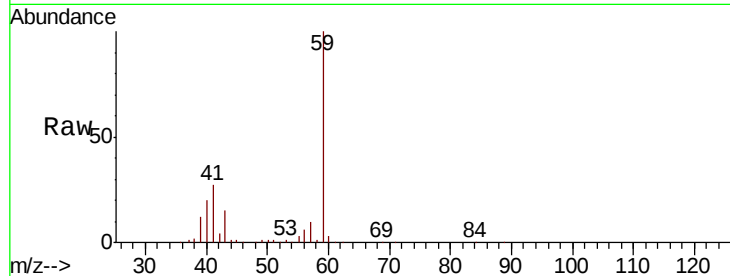




#11
Tert butyl alcohol
Concen: 237.911 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

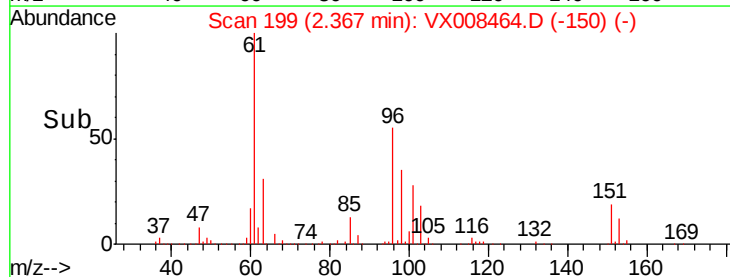
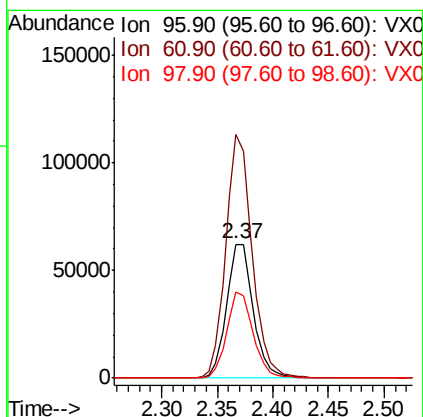
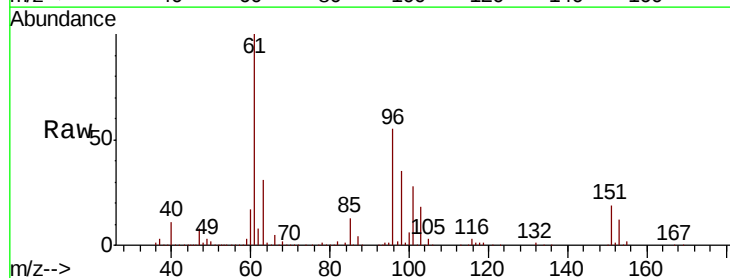
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

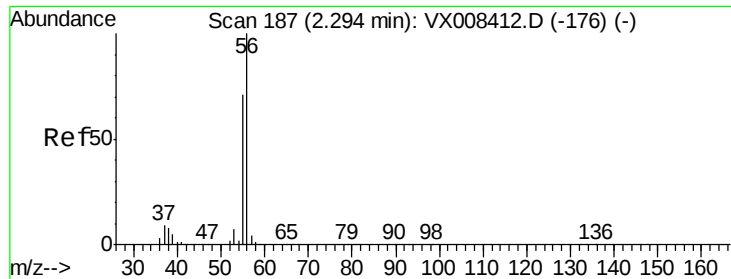
Tot Ion: 59 Resp: 152955
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.443 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 96 Resp: 103419
Ion Ratio Lower Upper
96 100
61 181.9 146.9 220.3
98 64.2 50.1 75.1





#13

Acrolein

Concen: 25.898 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

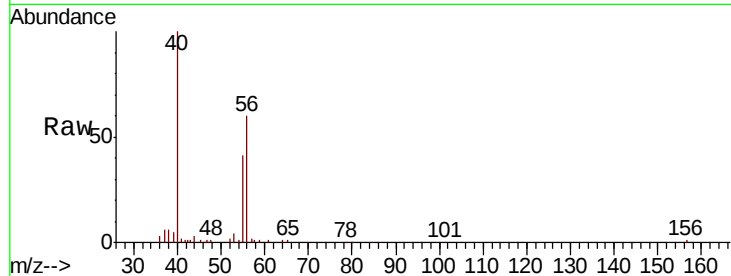
MW-104MS

Tot Ion: 56 Resp: 12091

Ion Ratio Lower Upper

56 100

55 81.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

8000

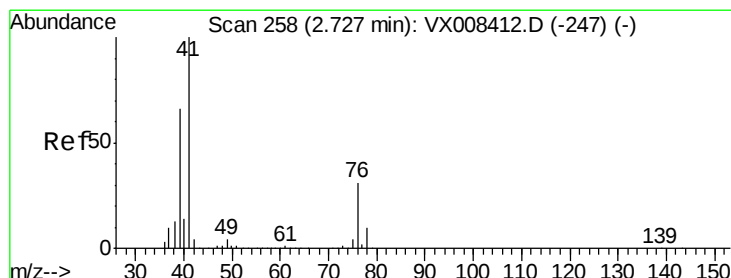
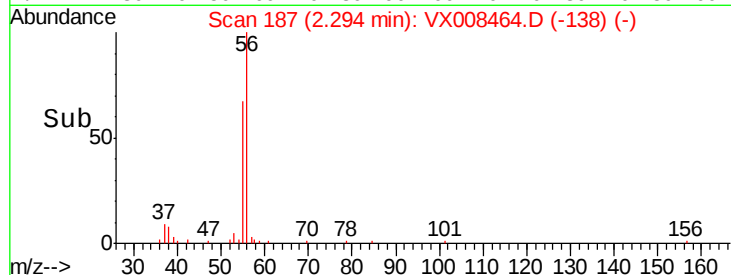
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.358 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

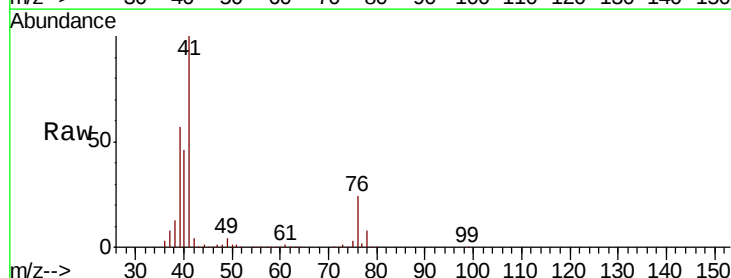
Tgt Ion: 41 Resp: 104779

Ion Ratio Lower Upper

41 100

39 53.0 49.6 74.4

76 22.5 22.6 34.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

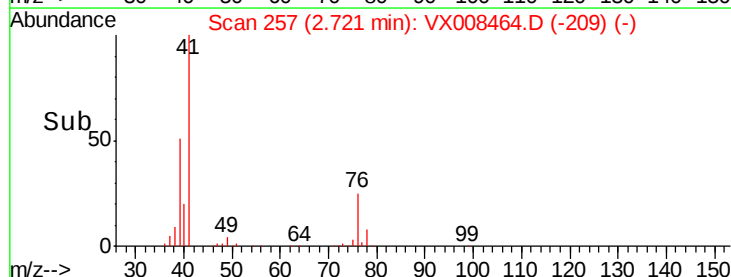
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 236.855 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampled :

MW-104MS

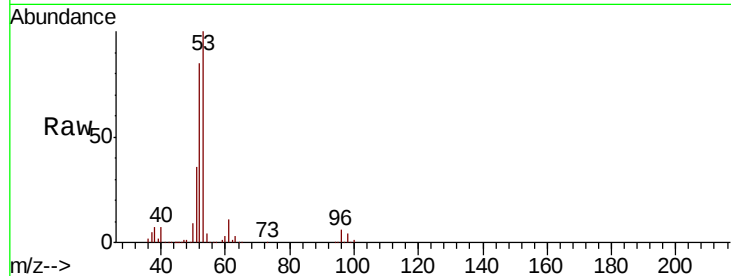
Tot Ion: 53 Resp: 399295

Ion Ratio Lower Upper

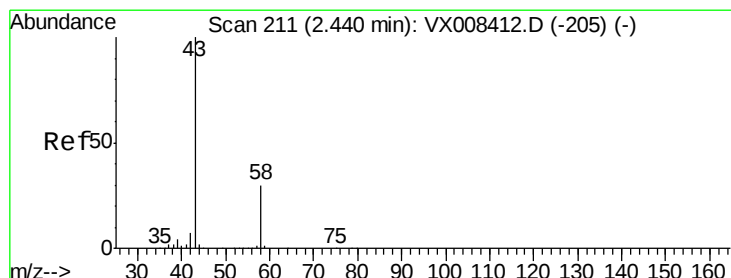
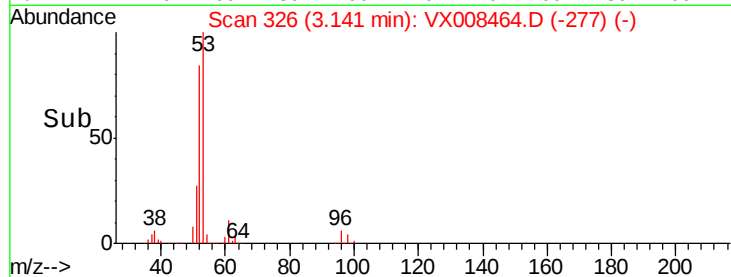
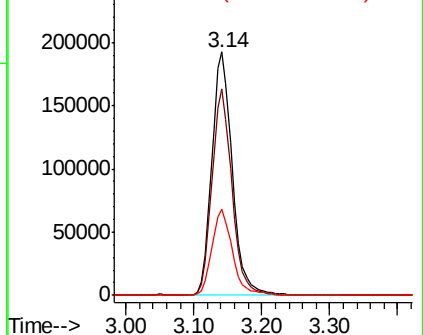
53 100

52 83.1 66.5 99.7

51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 254.255 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008464.D

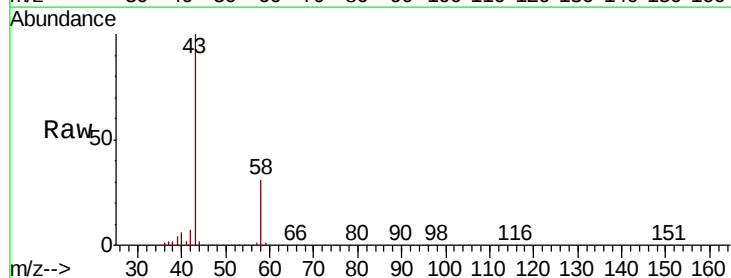
Acq: 26 Mar 2019 19:08

Tgt Ion: 43 Resp: 385609

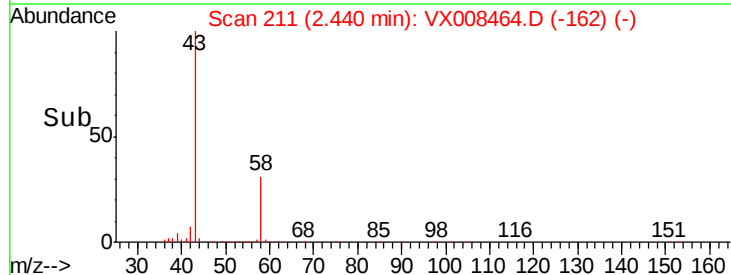
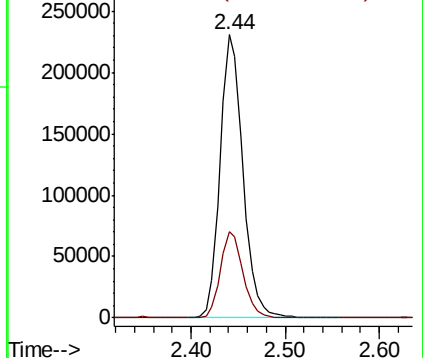
Ion Ratio Lower Upper

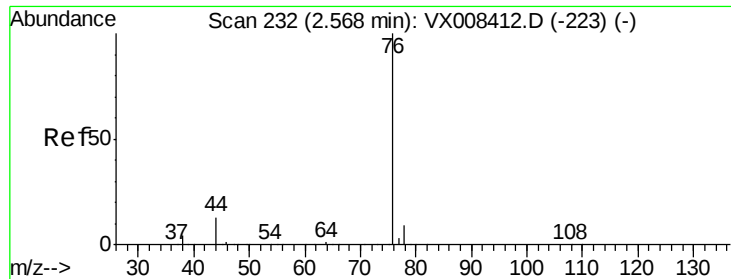
43 100

58 30.6 24.2 36.2



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

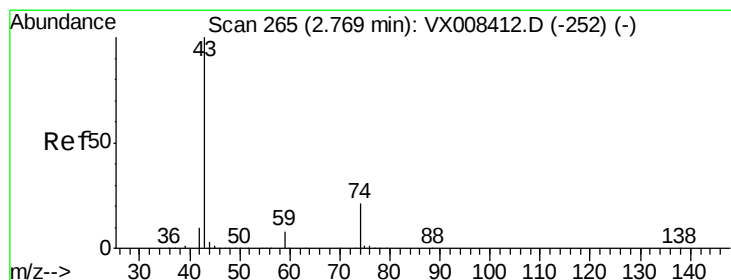
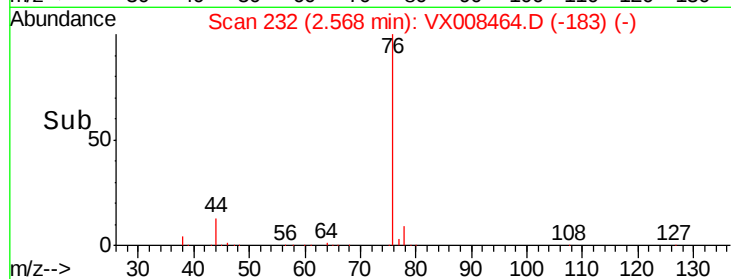
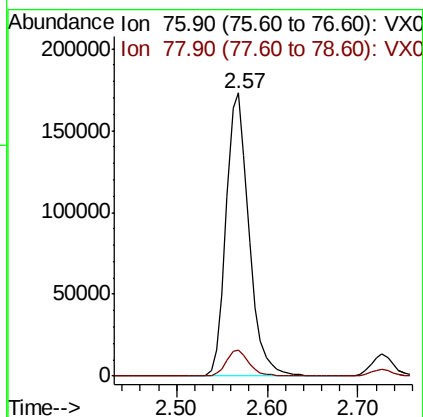
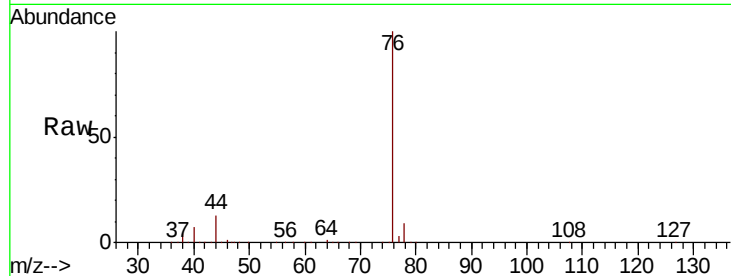




#17
Carbon Disulfide
Concen: 47.391 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

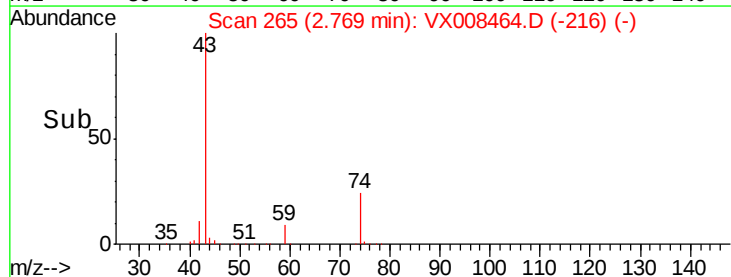
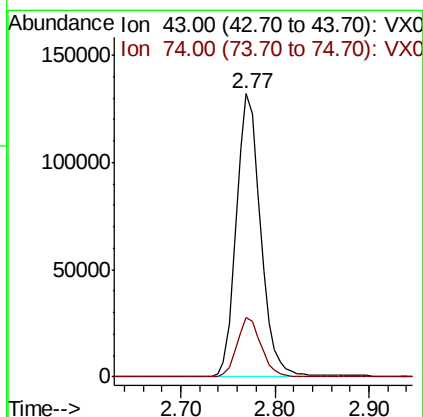
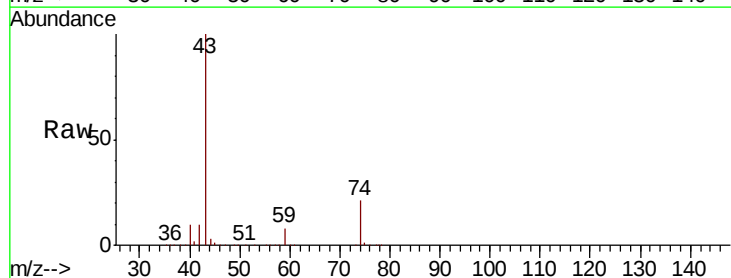
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

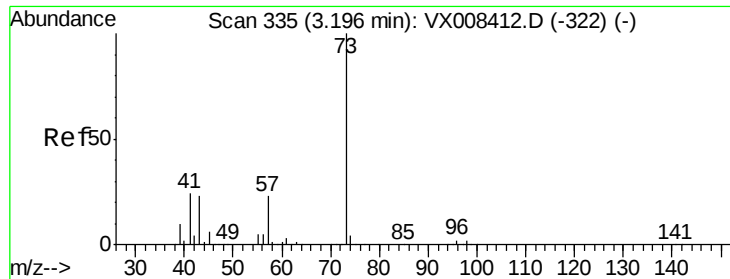
Tot Ion: 76 Resp: 302903
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 65.325 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 43 Resp: 237949
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1

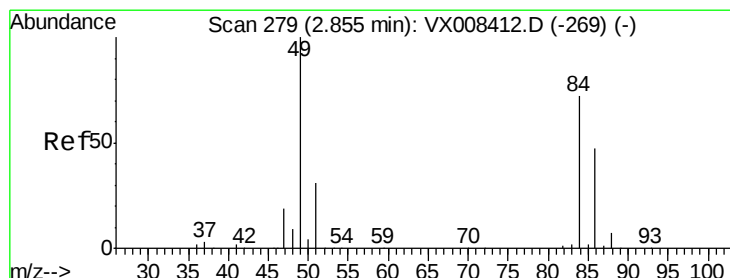
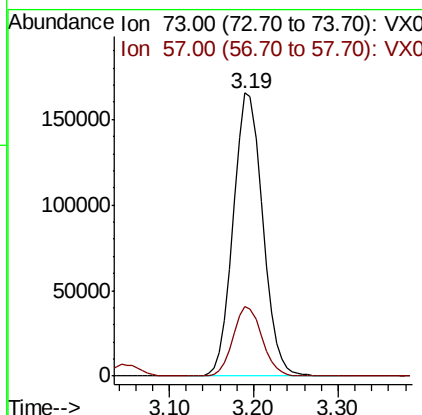
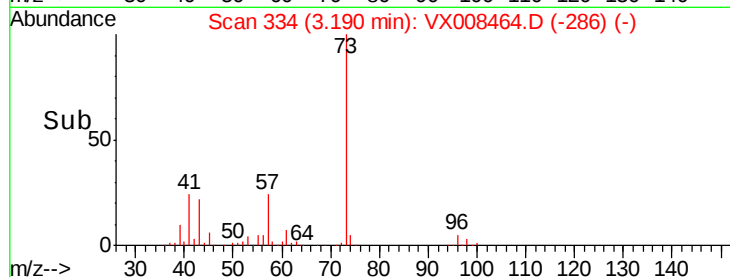
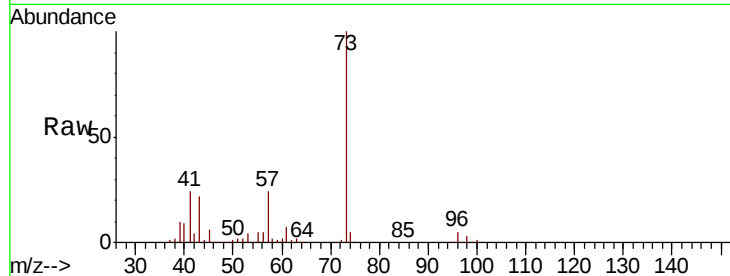




#19
Methvl tert-butvl Ether
Concen: 48.782 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

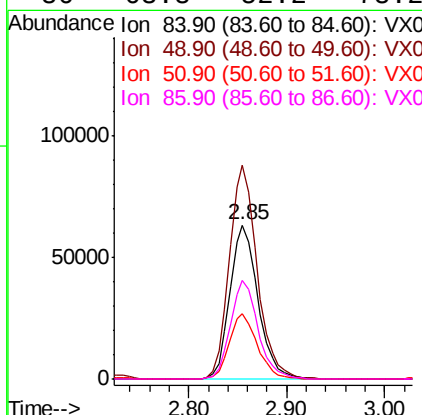
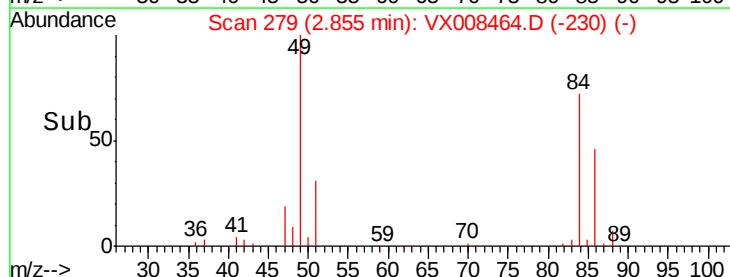
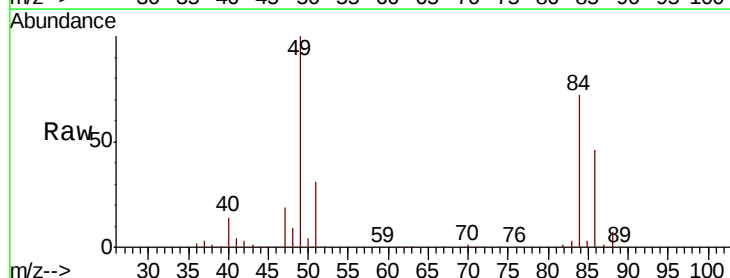
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

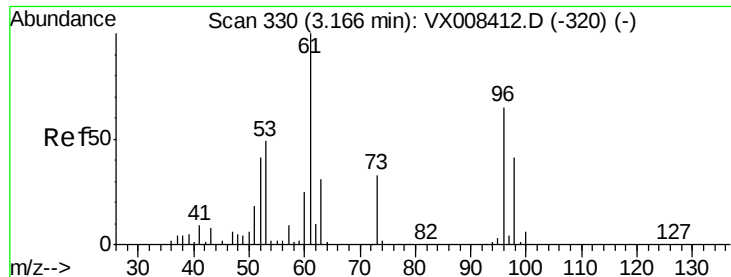
Tot Ion: 73 Resp: 391446
Ion Ratio Lower Upper
73 100
57 24.5 18.6 28.0



#20
Methylene Chloride
Concen: 50.890 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 84 Resp: 125938
Ion Ratio Lower Upper
84 100
49 138.8 110.6 165.8
51 42.6 33.9 50.9
86 63.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.809 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

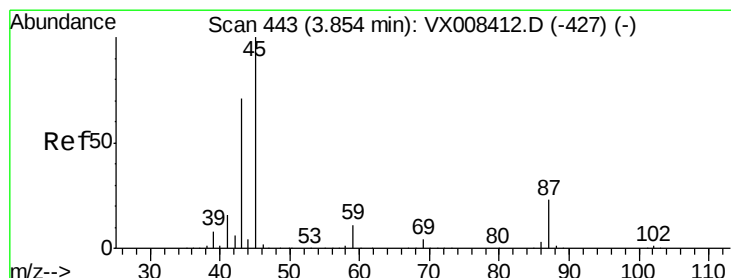
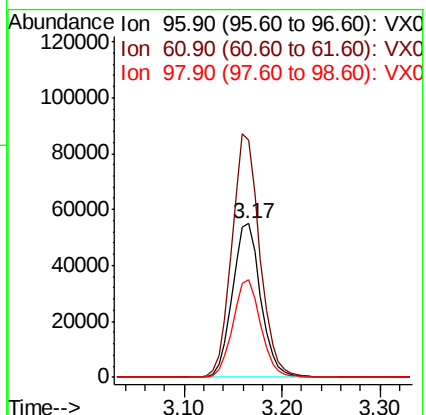
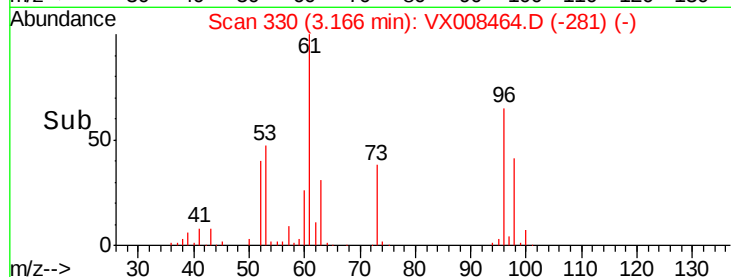
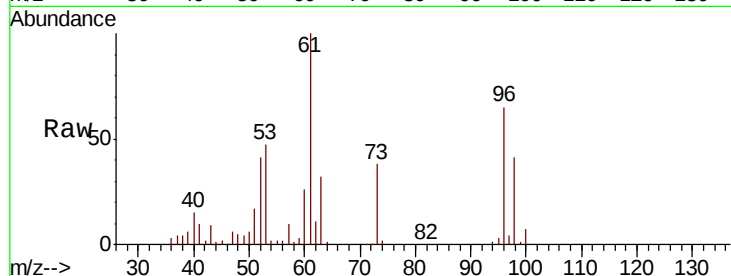
Tot Ion: 96 Resp: 110521

Ion Ratio Lower Upper

96 100

61 154.9 122.6 184.0

98 63.9 50.9 76.3



#22

Diisopropyl ether

Concen: 48.051 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Tgt Ion: 45 Resp: 464167

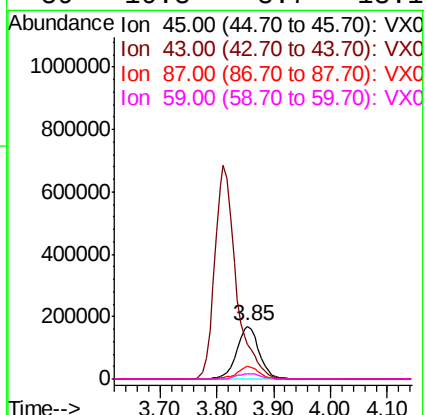
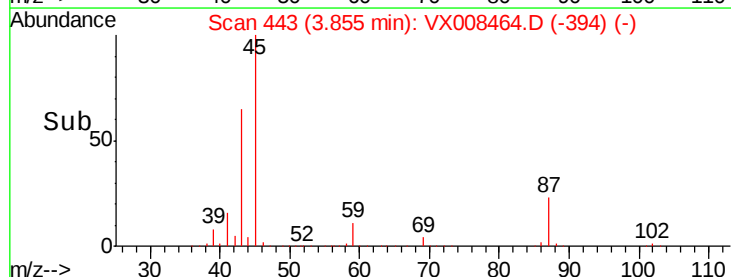
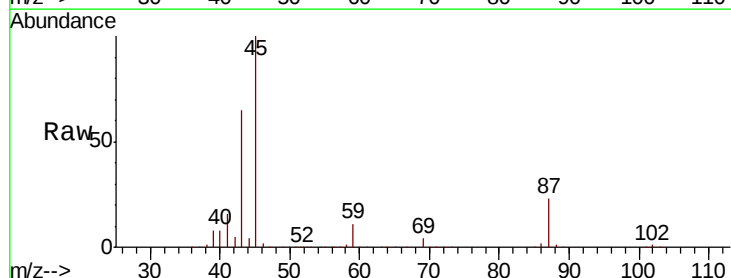
Ion Ratio Lower Upper

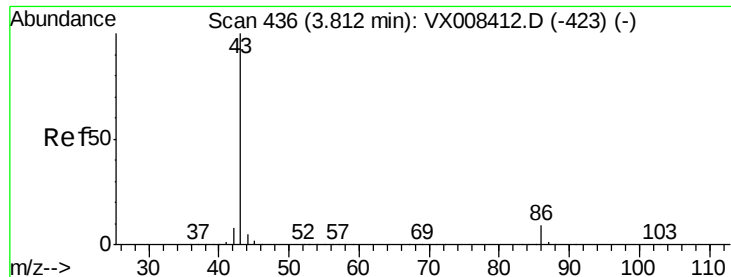
45 100

43 65.4 57.1 85.7

87 23.3 18.8 28.2

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 211.572 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

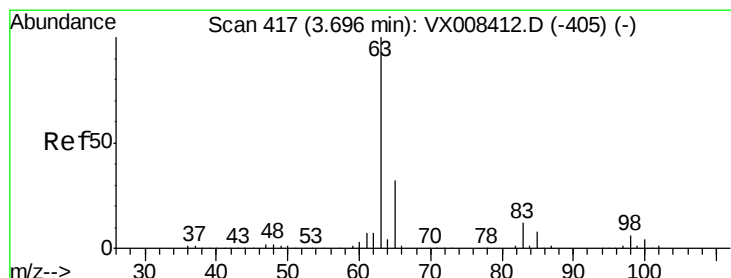
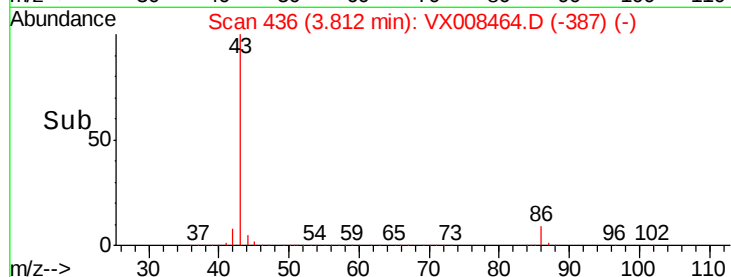
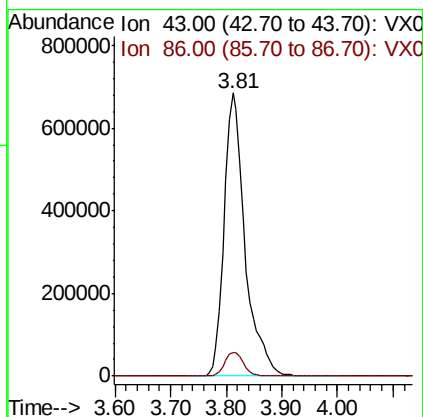
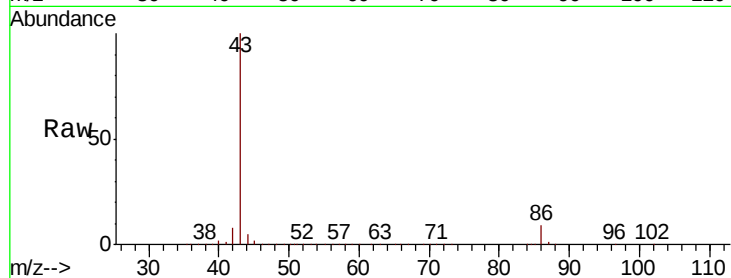
MW-104MS

Tot Ion: 43 Resp: 1783060

Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3



#24

1,1-Dichloroethane

Concen: 47.739 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

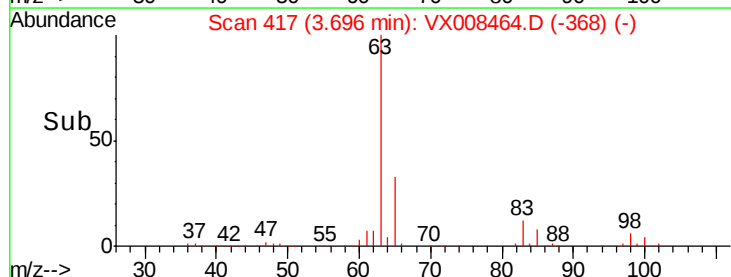
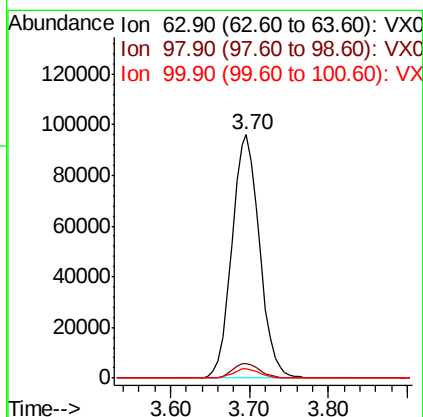
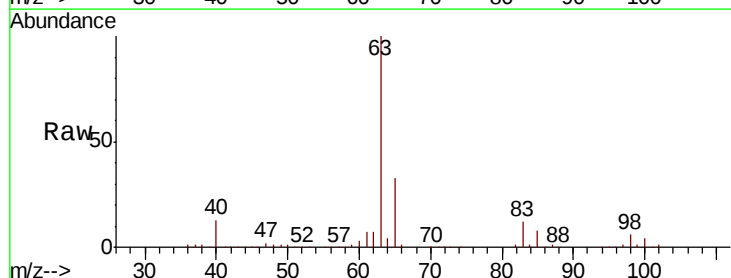
Tgt Ion: 63 Resp: 232813

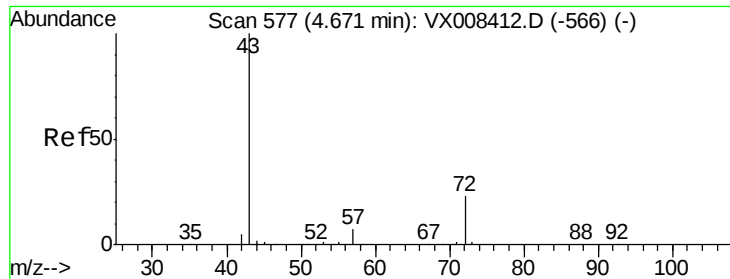
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 241.546 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

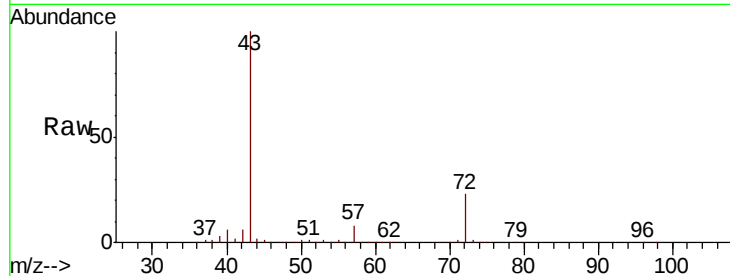
MW-104MS

Tot Ion: 43 Resp: 587298

Ion Ratio Lower Upper

43 100

72 23.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

150000

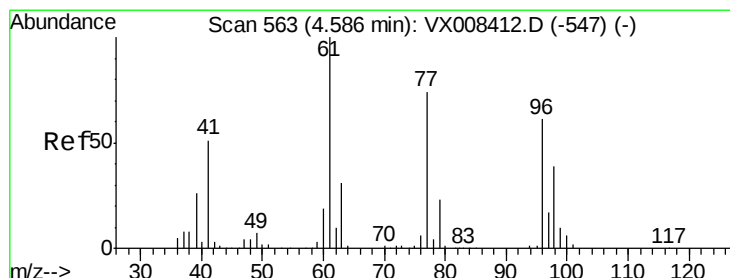
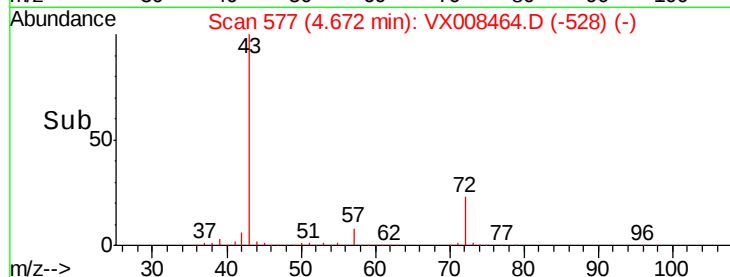
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.515 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008464.D

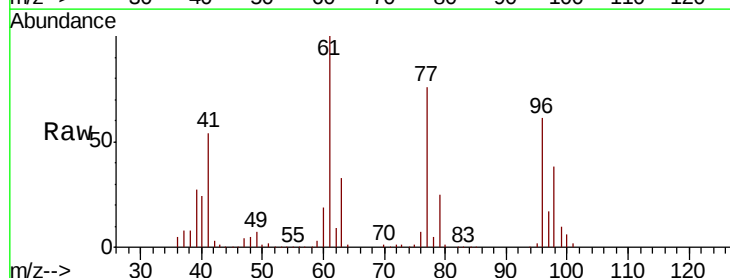
Acq: 26 Mar 2019 19:08

Tgt Ion: 77 Resp: 134660

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

30000

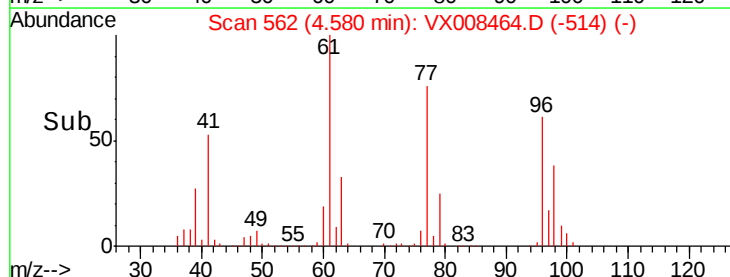
20000

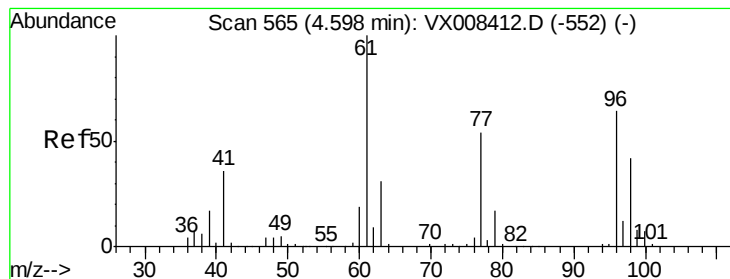
10000

0

4.40 4.50 4.60 4.70

Time-->



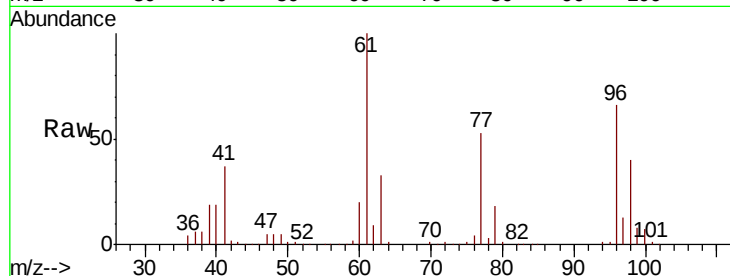


#27

cis-1,2-Dichloroethene
Concen: 47.744 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	325.6
98	63.5	0.0	130.0

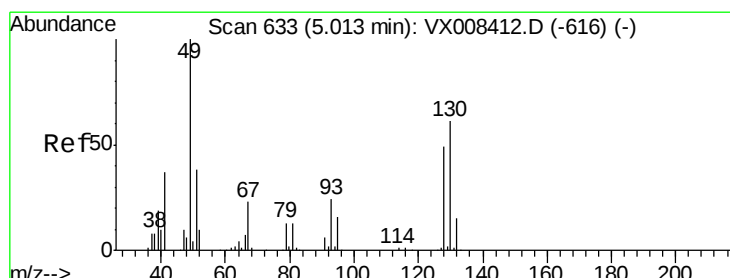
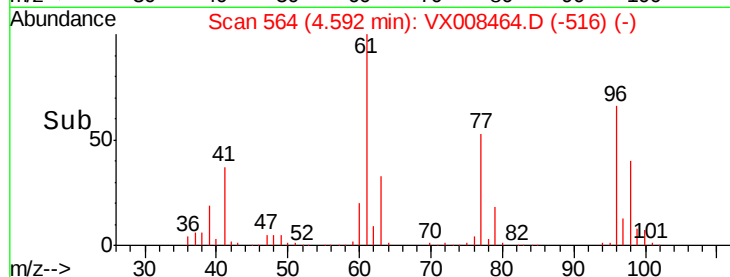
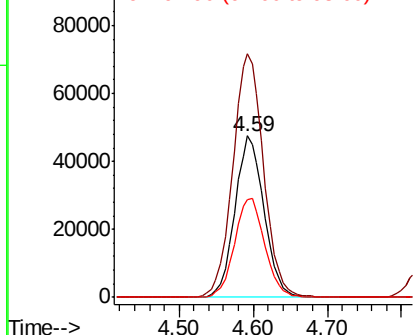


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

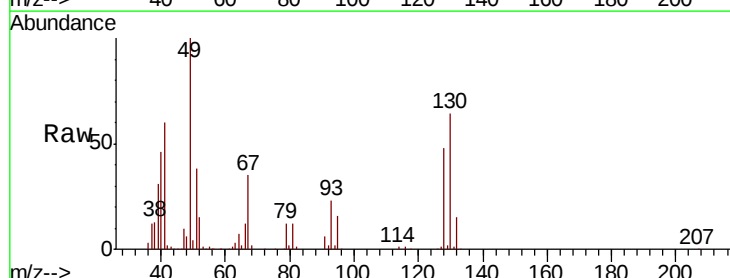
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 48.340 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	62.5	49.8	74.6

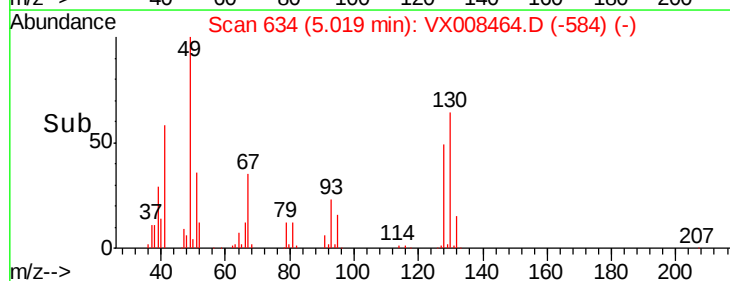
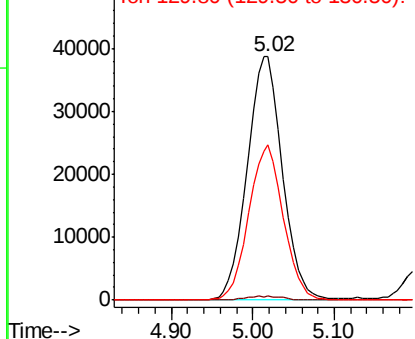


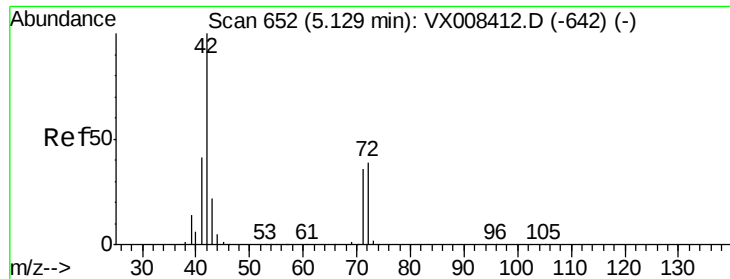
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 238.341 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

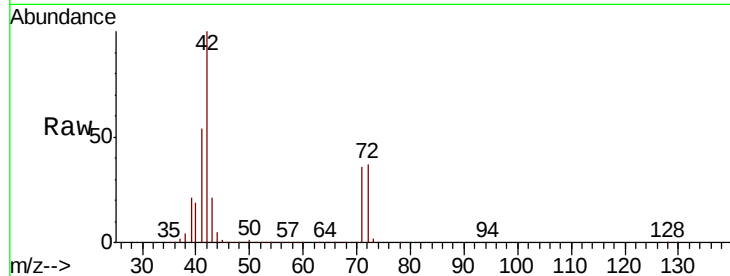
Tot Ion: 42 Resp: 381937

Ion Ratio Lower Upper

42 100

72 38.8 31.4 47.2

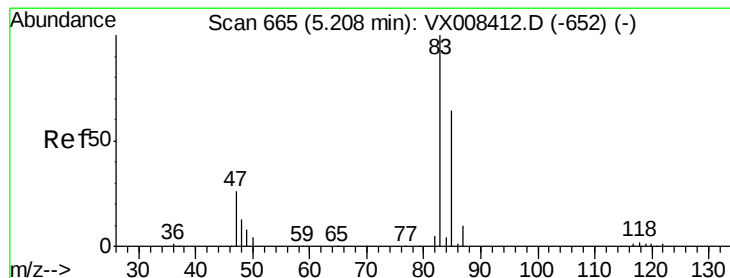
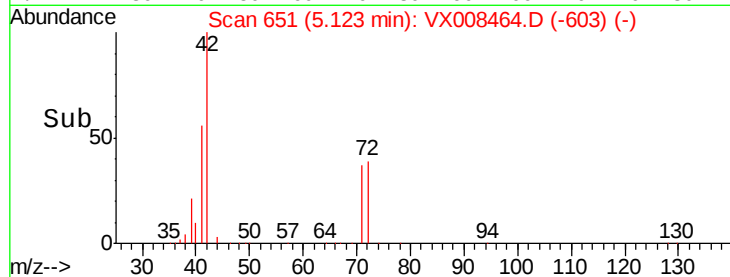
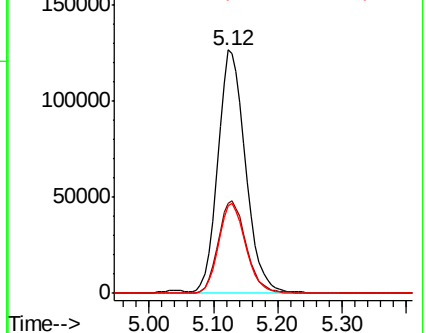
71 36.6 29.4 44.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.039 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX008464.D

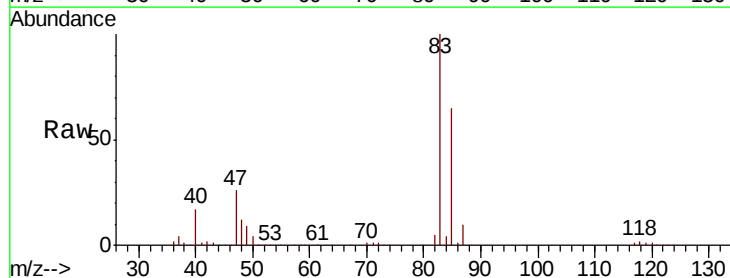
Acq: 26 Mar 2019 19:08

Tgt Ion: 83 Resp: 211429

Ion Ratio Lower Upper

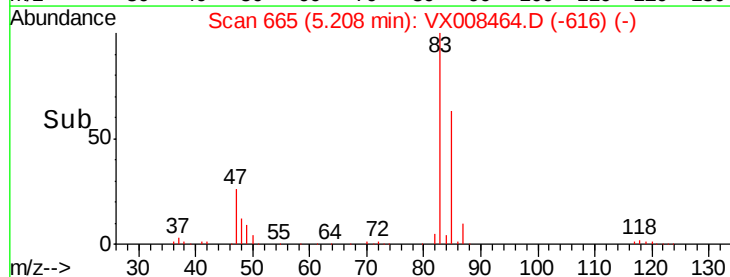
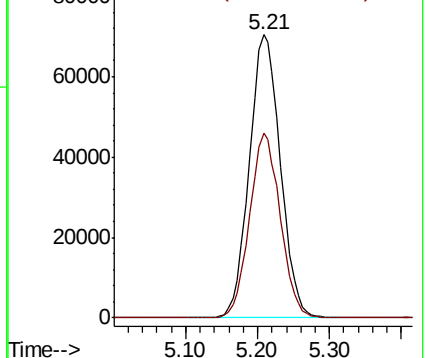
83 100

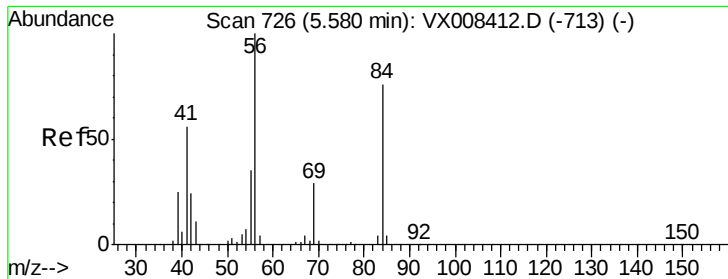
85 65.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

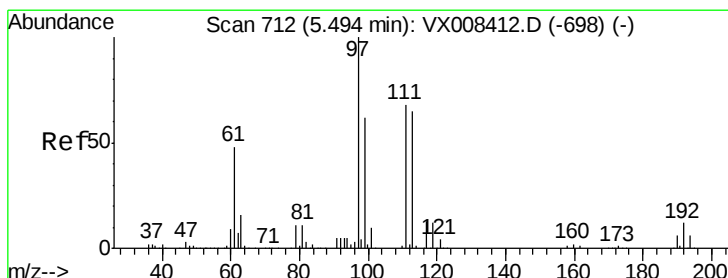
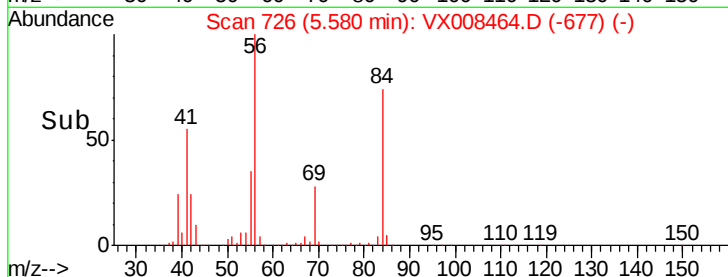
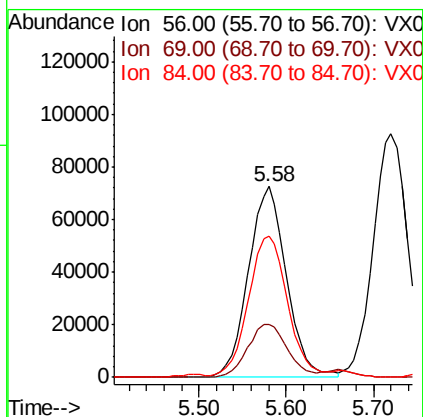
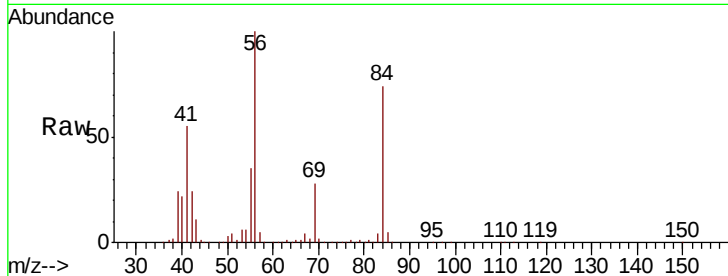




#31
Cyclohexane
Concen: 47.242 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

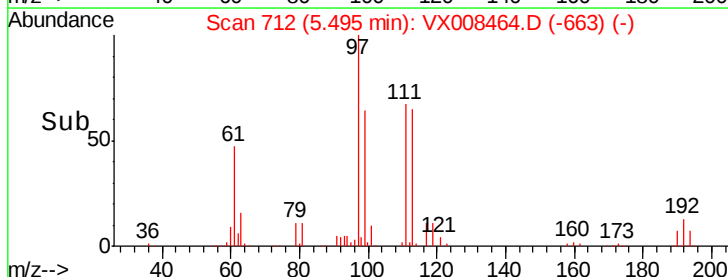
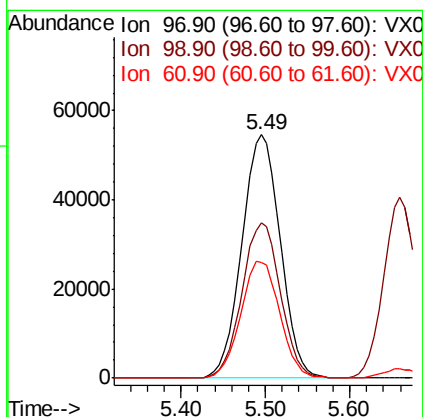
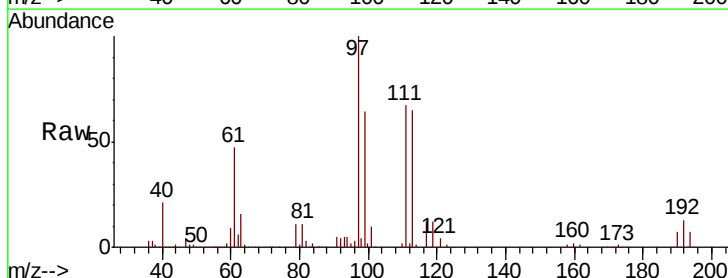
Instrument :
MSVOA_X
ClientSampled :
MW-104MS

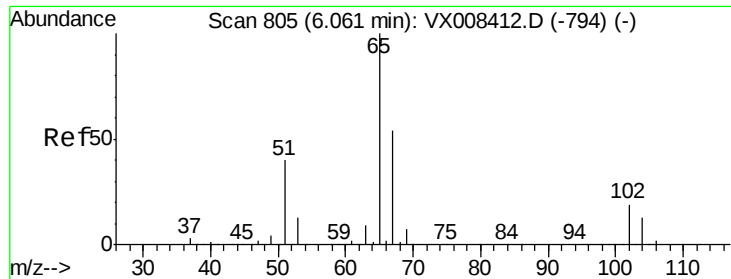
Tot Ion: 56 Resp: 219733
Ion Ratio Lower Upper
56 100
69 27.8 23.2 34.8
84 72.9 60.7 91.1



#32
1,1,1-Trichloroethane
Concen: 48.175 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 97 Resp: 169479
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 48.8 38.8 58.2

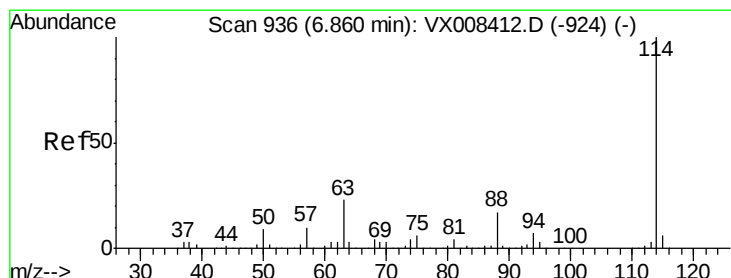
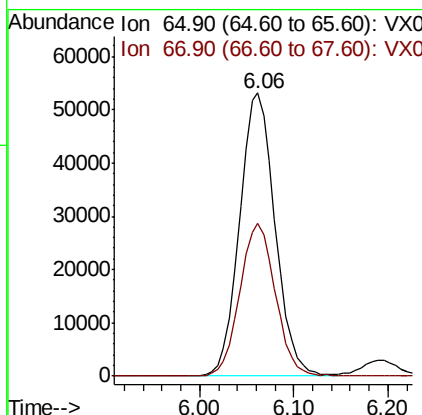
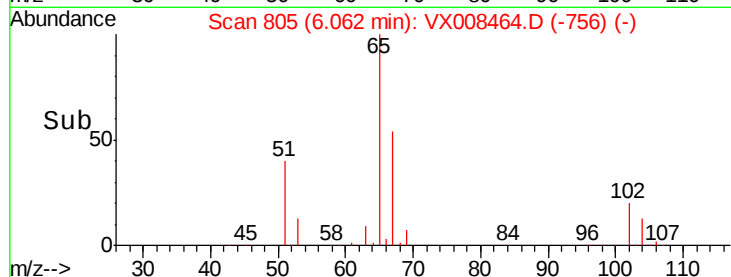
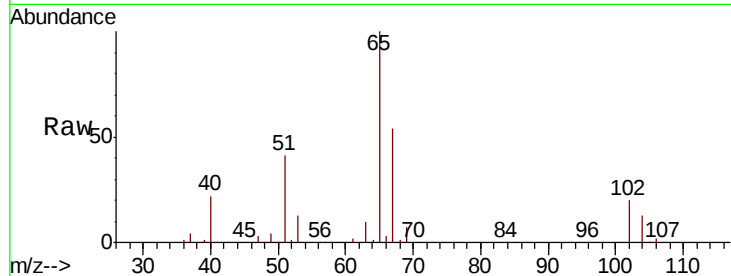




#33
 1,2-Dichloroethane-d4
 Concen: 48.254 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

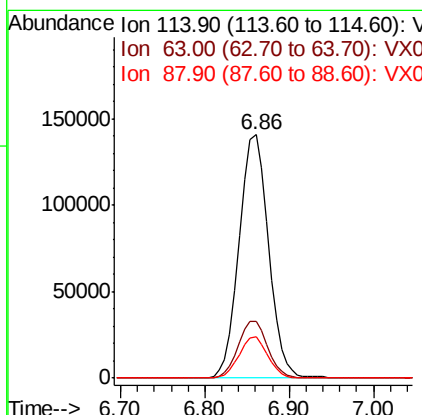
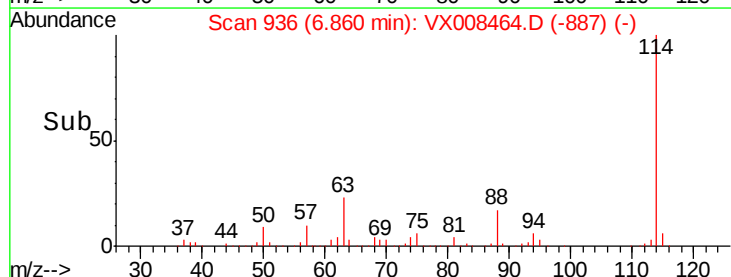
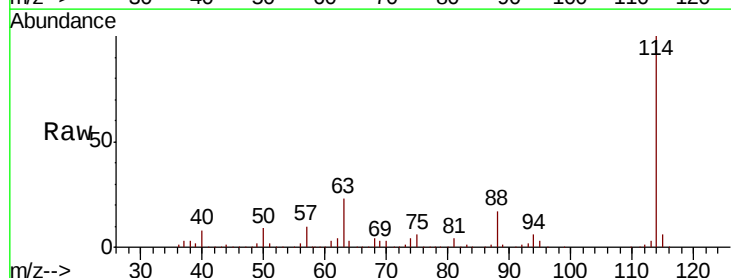
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MS

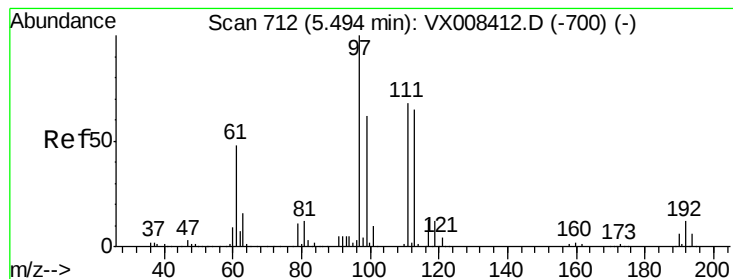
Tot Ion: 65 Resp: 140021
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Tgt Ion: 114 Resp: 332070
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.946 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

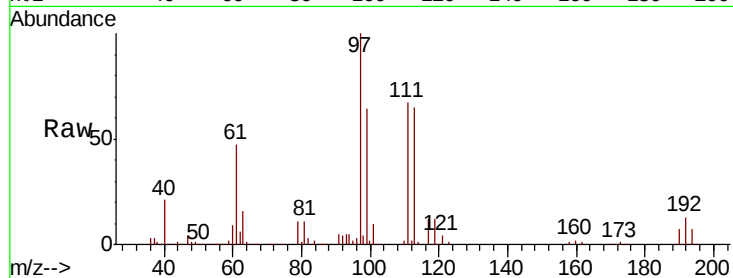
Tot Ion:113 Resp: 103815

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

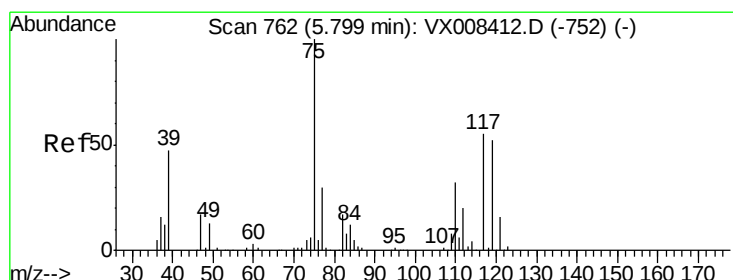
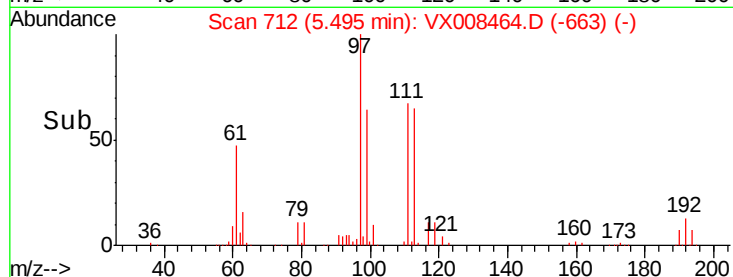
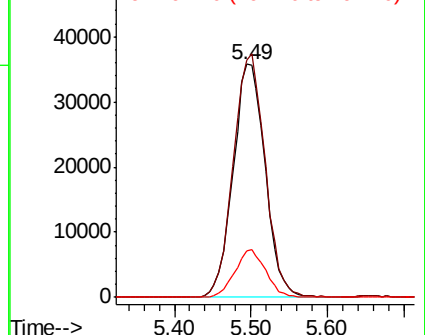
192 19.7 15.6 23.4



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: 45.807 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

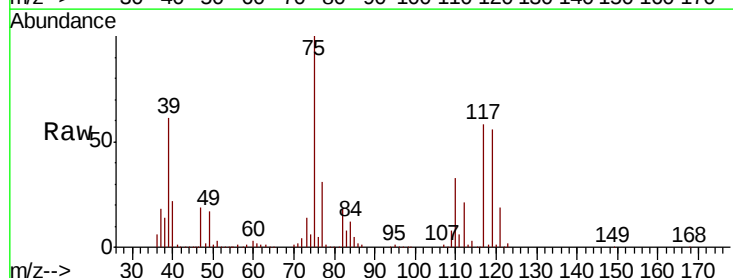
Tgt Ion: 75 Resp: 162185

Ion Ratio Lower Upper

75 100

110 33.3 16.6 49.7

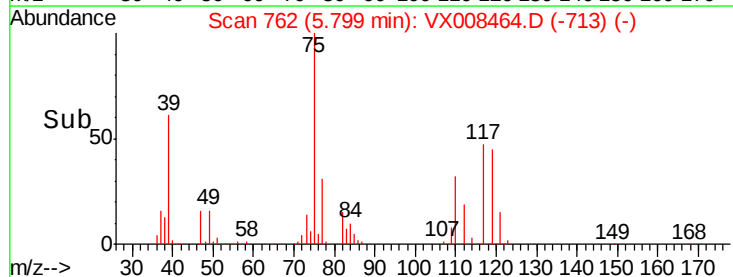
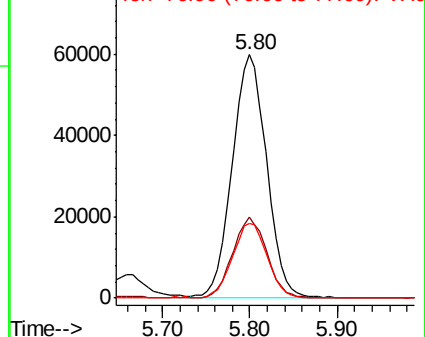
77 30.8 24.2 36.2

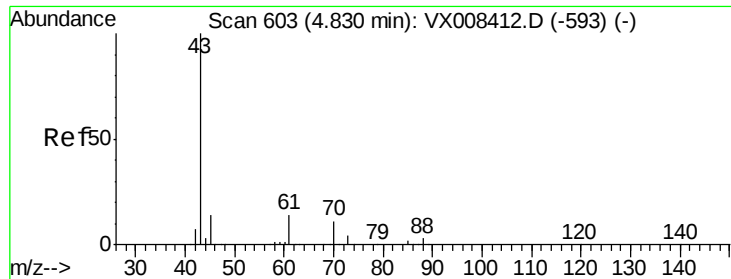


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

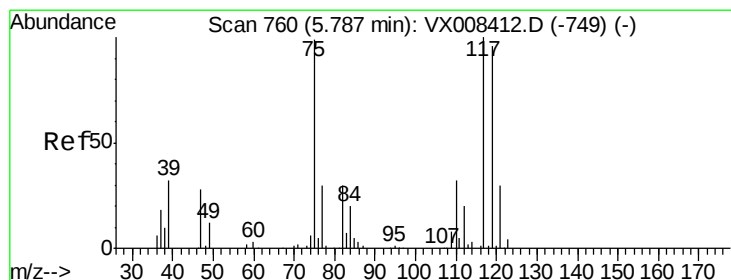
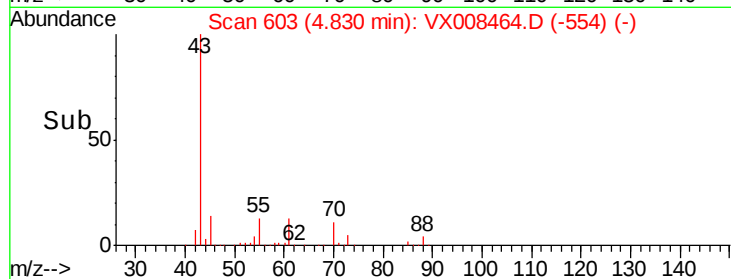
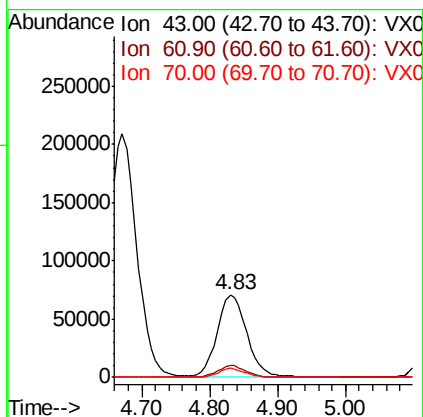
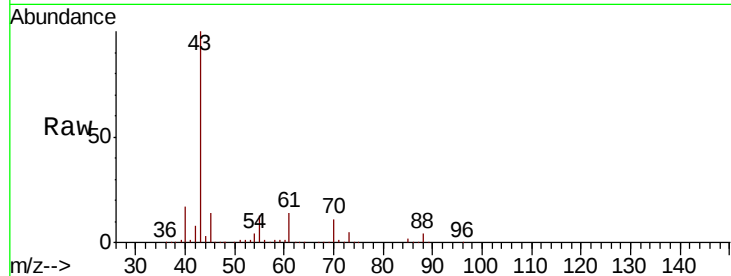




#37
Ethyl Acetate
Concen: 46.653 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

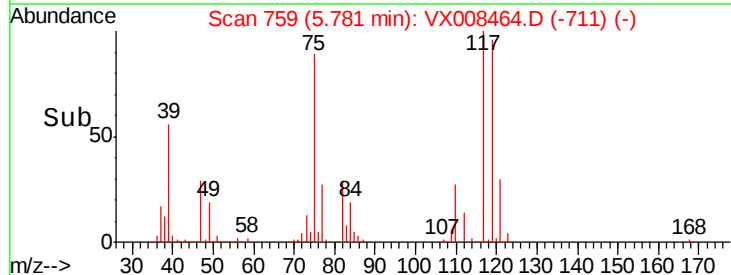
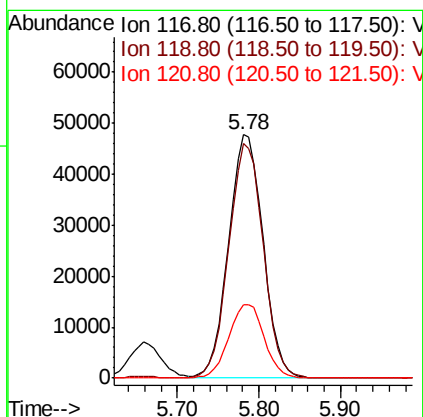
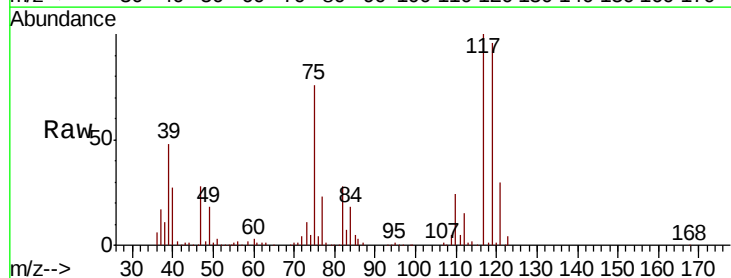
Instrument :
MSVOA_X
ClientSampled :
MW-104MS

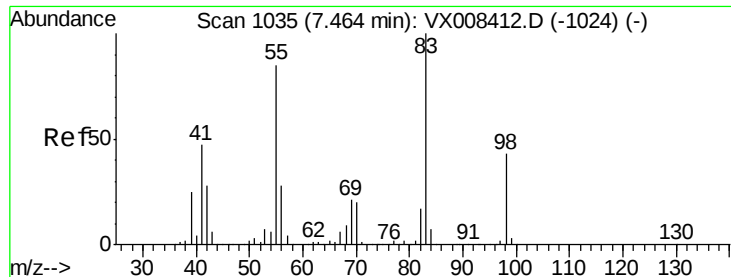
Tot Ion: 43 Resp: 213989
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.403 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 117 Resp: 140064
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
121 30.1 24.3 36.5

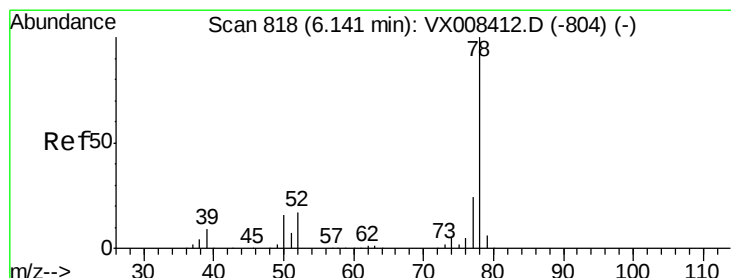
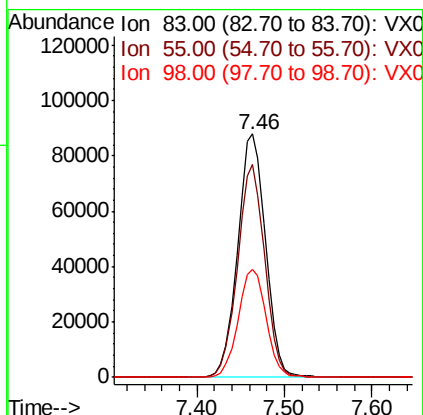
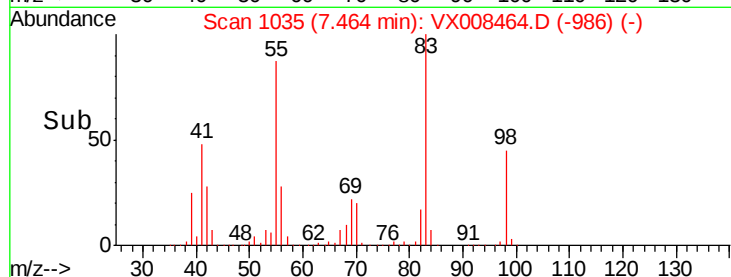
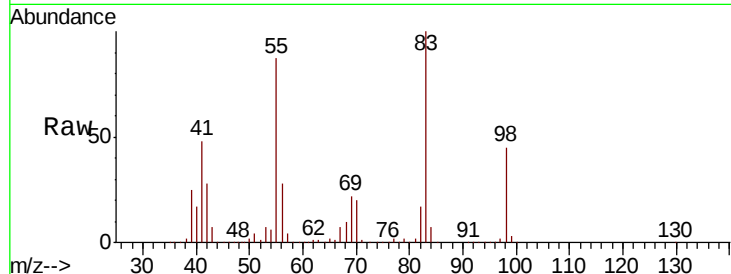




#39
Methvlcvclohexane
Concen: 45.931 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

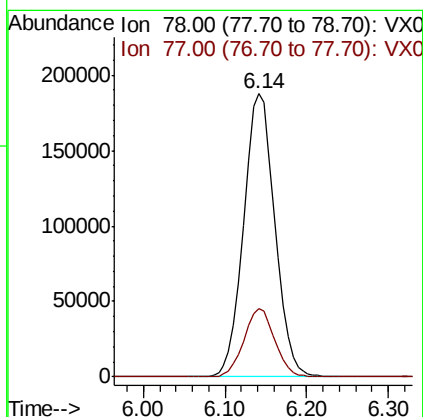
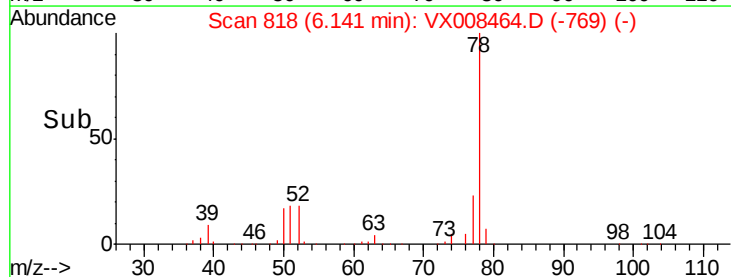
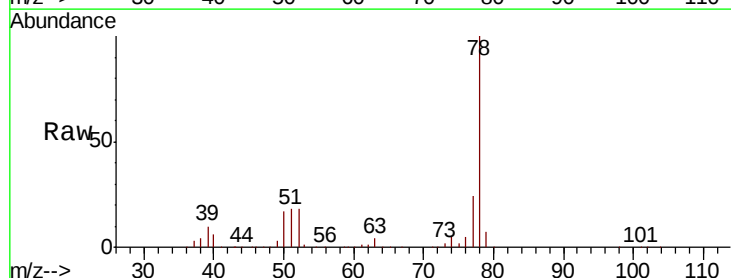
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

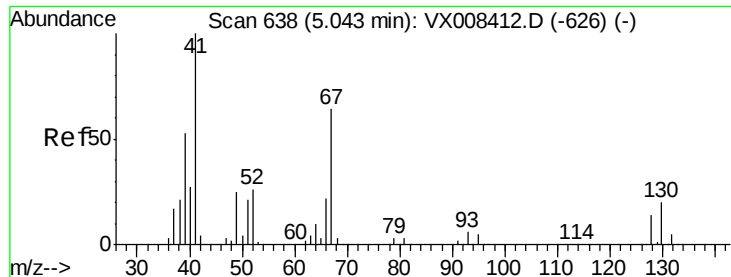
Tot Ion: 83 Resp: 194348
Ion Ratio Lower Upper
83 100
55 87.4 68.2 102.4
98 44.5 34.2 51.4



#40
Benzene
Concen: 47.240 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 78 Resp: 500733
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9





#41

Methacrylonitrile

Concen: 48.222 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampled :

MW-104MS

Tot Ion: 41 Resp: 124298

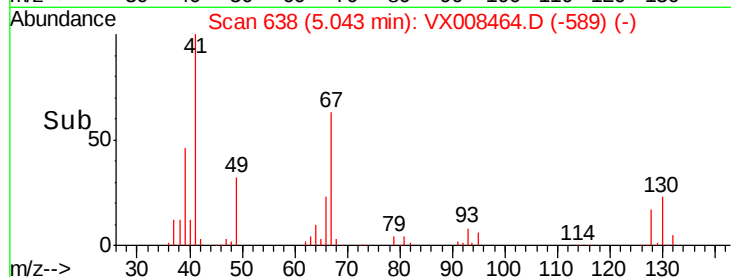
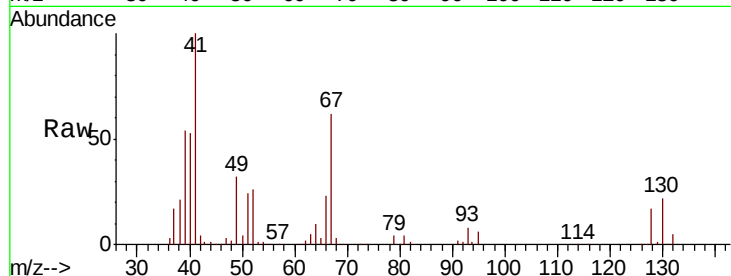
Ion Ratio Lower Upper

41 100

39 54.8 42.6 64.0

67 65.3 52.2 78.4

52 27.4 21.4 32.0

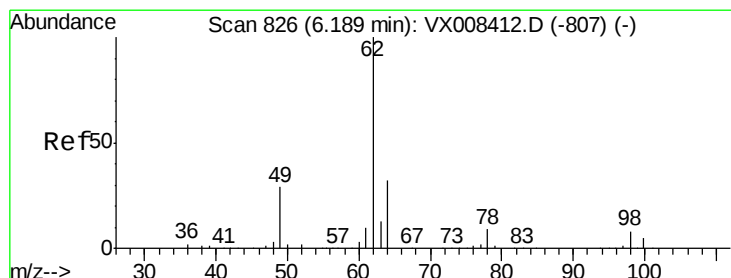
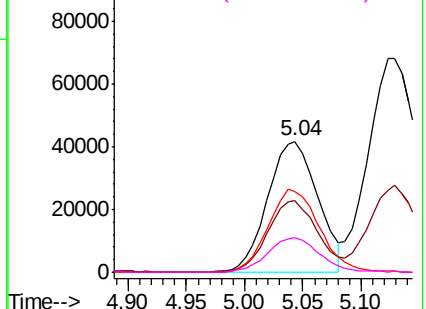


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.709 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX008464.D

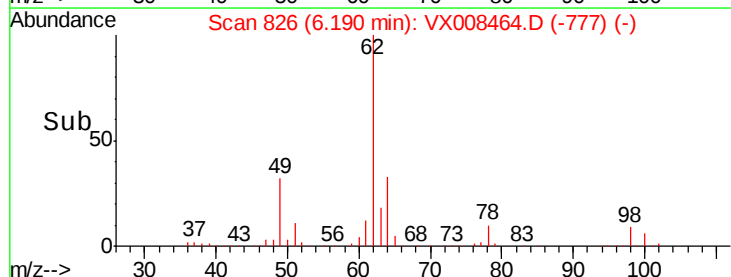
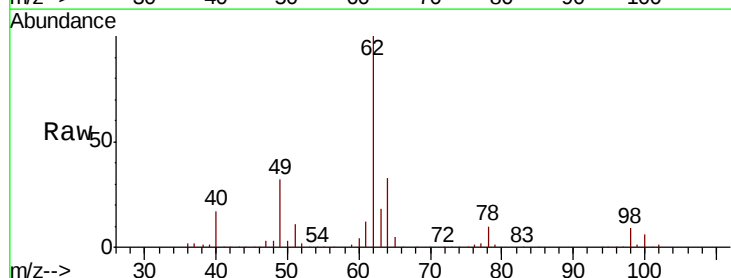
Acq: 26 Mar 2019 19:08

Tgt Ion: 62 Resp: 177391

Ion Ratio Lower Upper

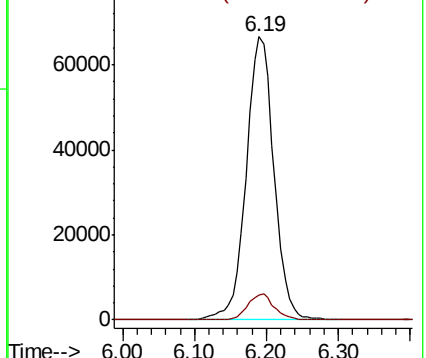
62 100

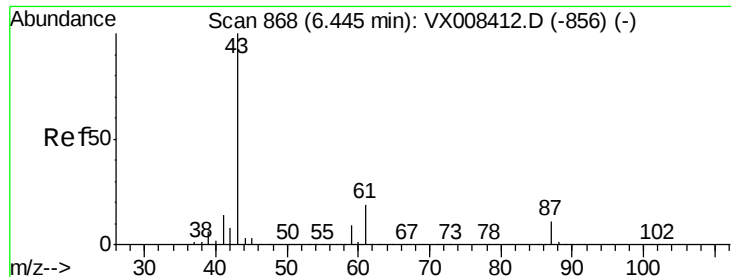
98 8.8 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.539 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

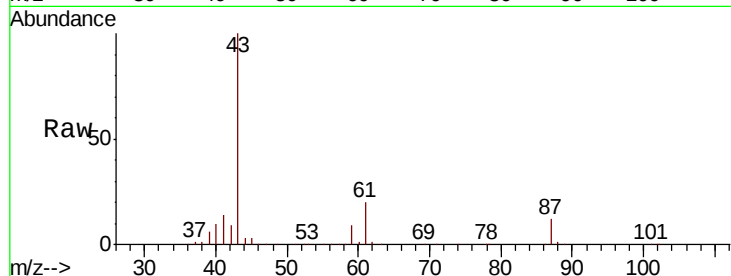
Tot Ion: 43 Resp: 348772

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.2

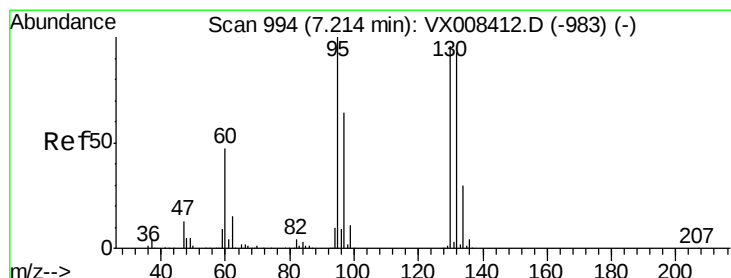
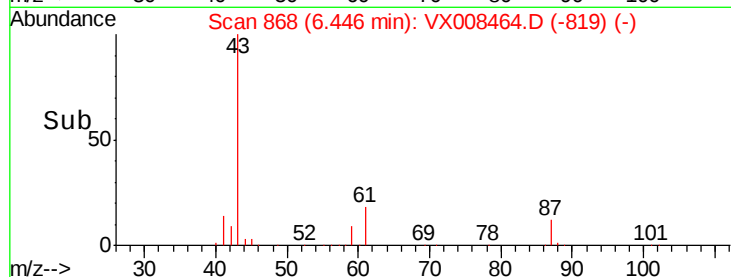
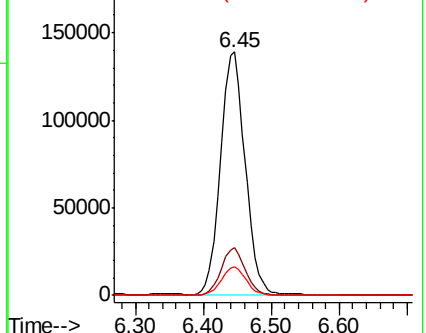
87 11.5 9.1 13.7



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



#44

Trichloroethene

Concen: 46.102 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008464.D

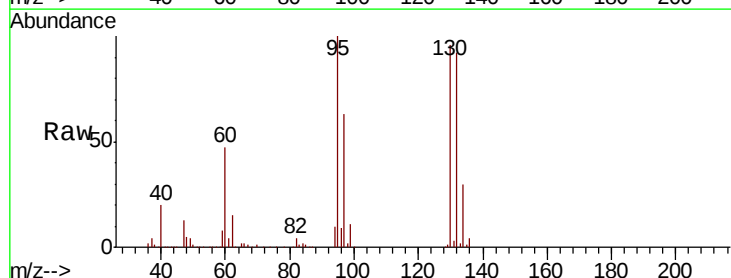
Acq: 26 Mar 2019 19:08

Tgt Ion:130 Resp: 114737

Ion Ratio Lower Upper

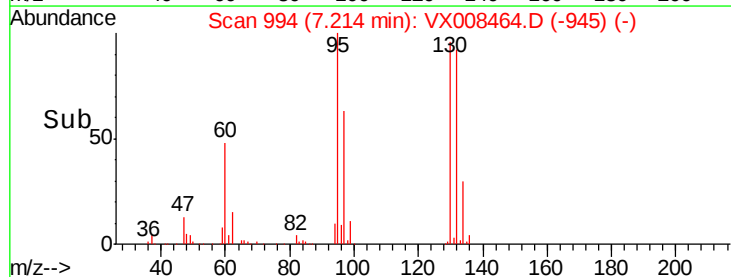
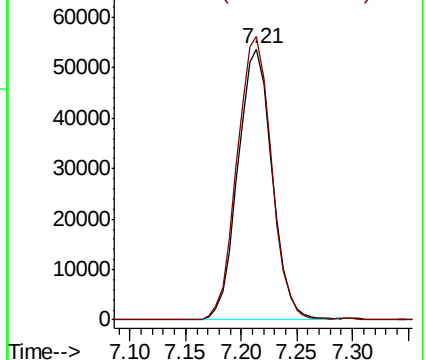
130 100

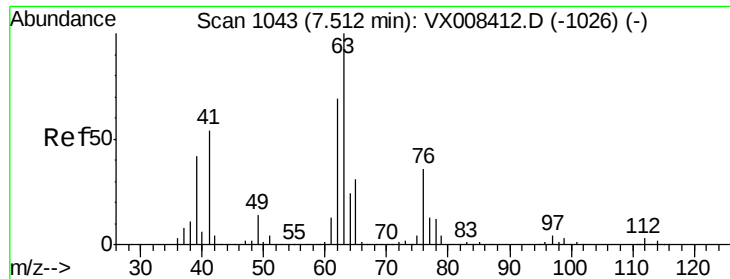
95 104.4 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.690 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

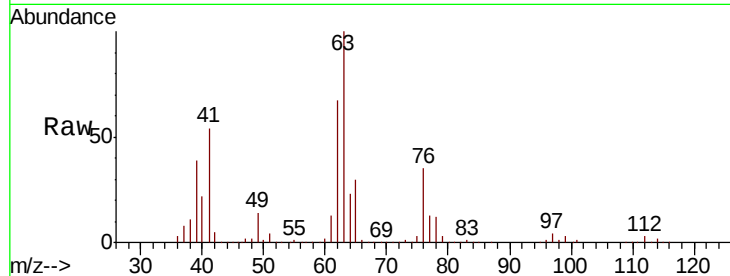
MW-104MS

Tot Ion: 63 Resp: 143682

Ion Ratio Lower Upper

63 100

65 29.9 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

60000

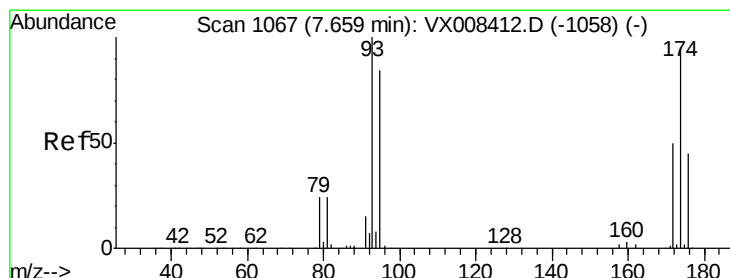
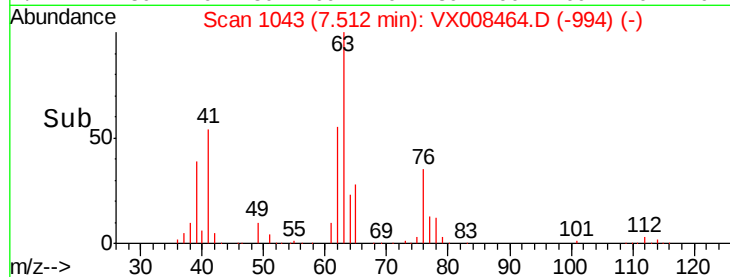
40000

20000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 46.412 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

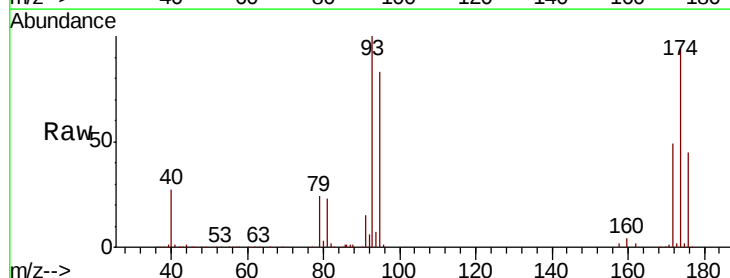
Tgt Ion: 93 Resp: 81654

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.6

174 95.4 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

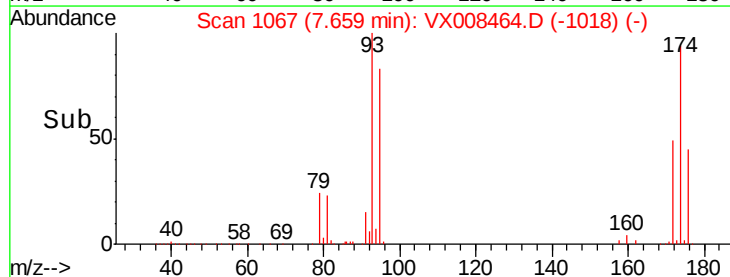
20000

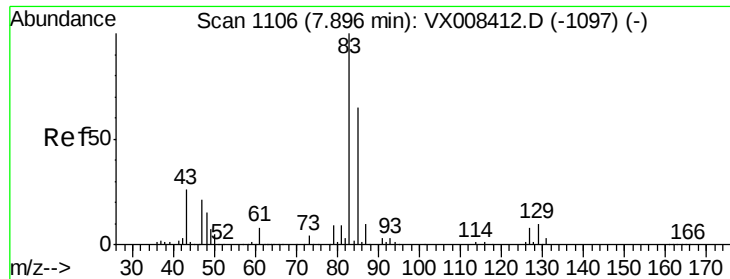
10000

0

7.60 7.70

Time-->





#47

Bromodichloromethane

Concen: 48.284 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

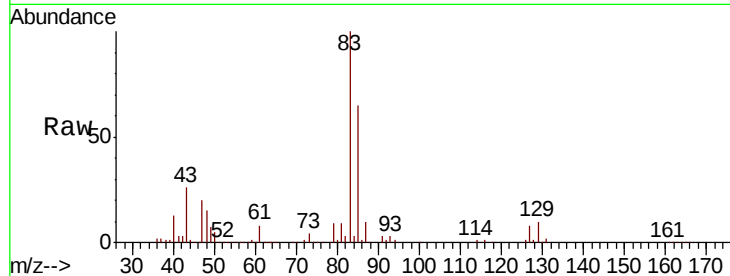
Tot Ion: 83 Resp: 162598

Ion Ratio Lower Upper

83 100

85 64.9 52.0 78.0

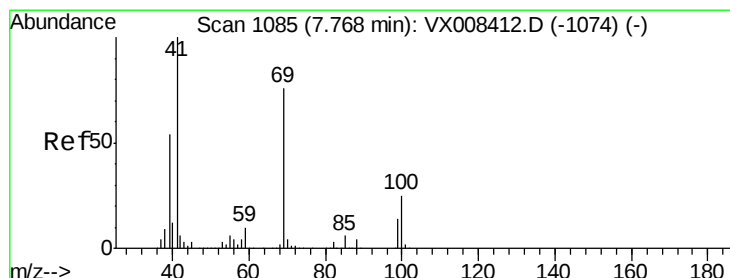
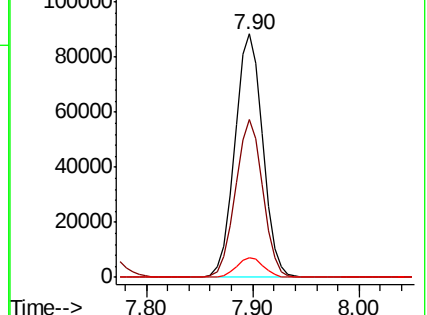
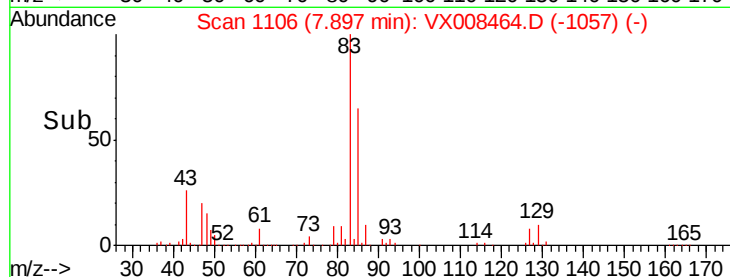
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.747 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

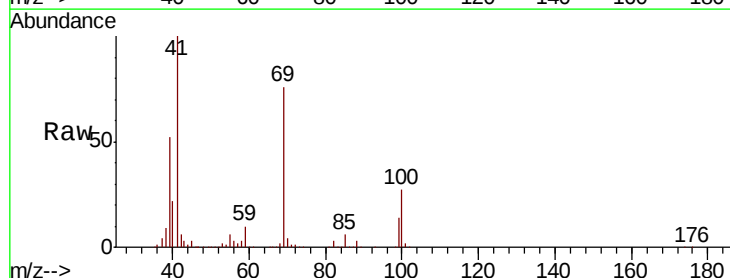
Tgt Ion: 41 Resp: 182619

Ion Ratio Lower Upper

41 100

69 75.2 60.8 91.2

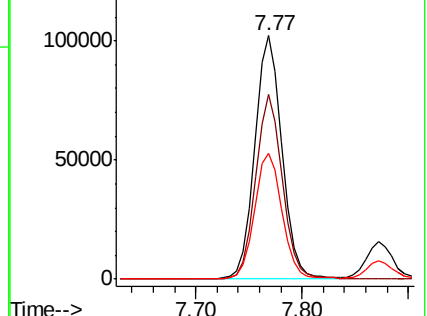
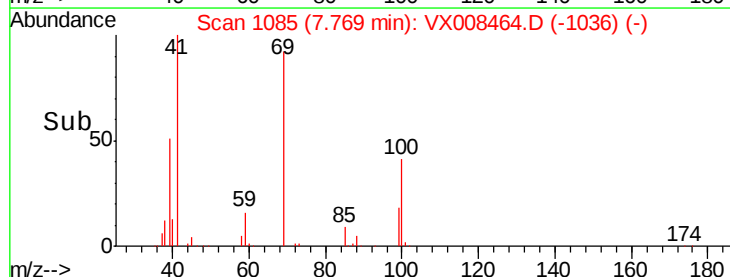
39 52.4 42.3 63.5

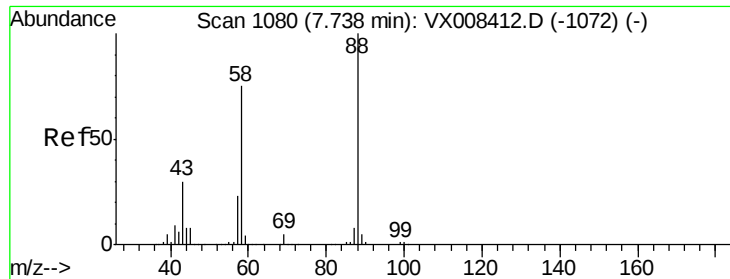


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

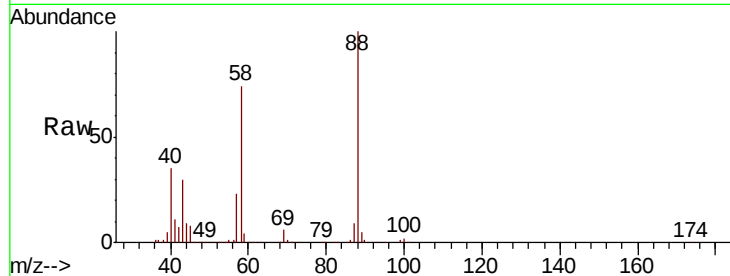




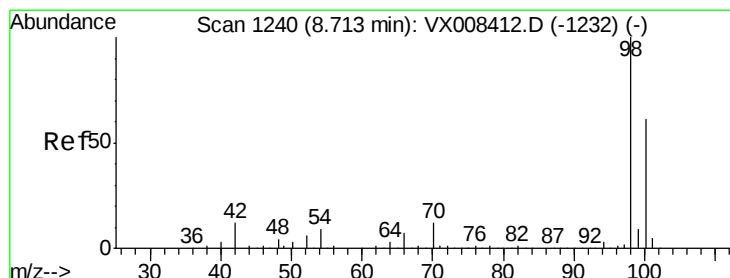
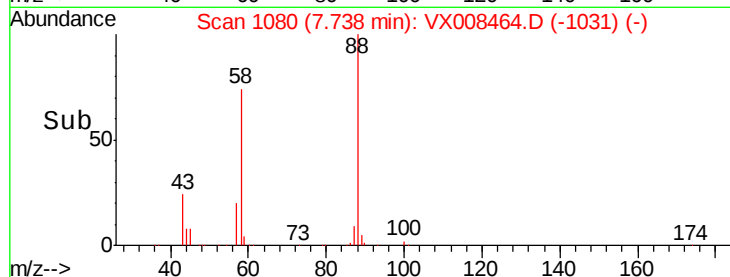
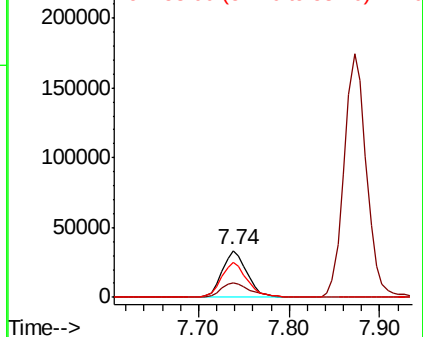
#49
1,4-Dioxane
Concen: 878.550 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

Tot Ion: 88 Resp: 64126
Ion Ratio Lower Upper
88 100
43 36.5 28.6 43.0
58 77.3 63.0 94.4

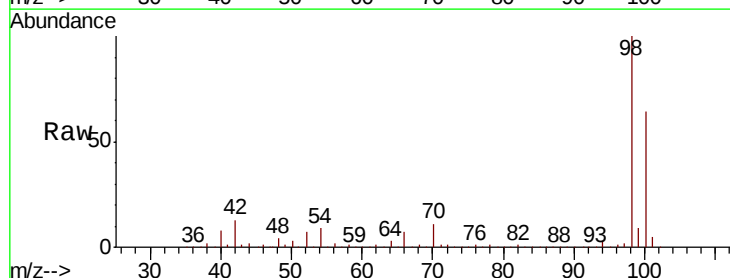


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

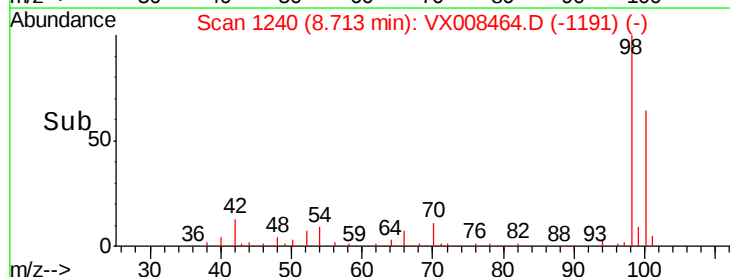
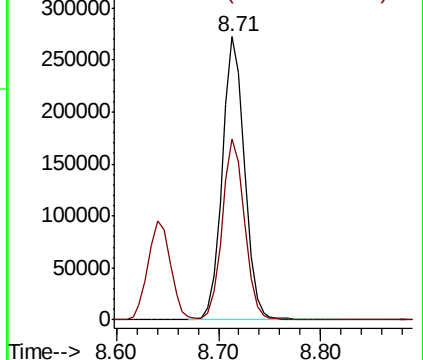


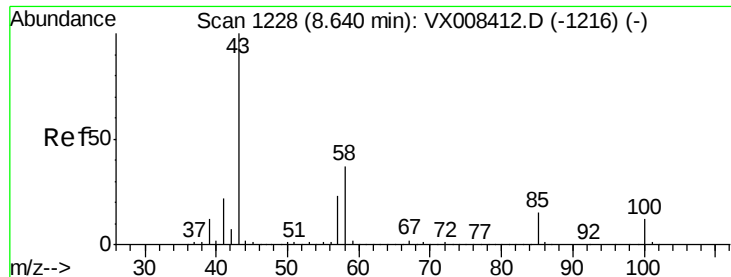
#50
Toluene-d8
Concen: 47.717 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 98 Resp: 413135
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



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: 249.186 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

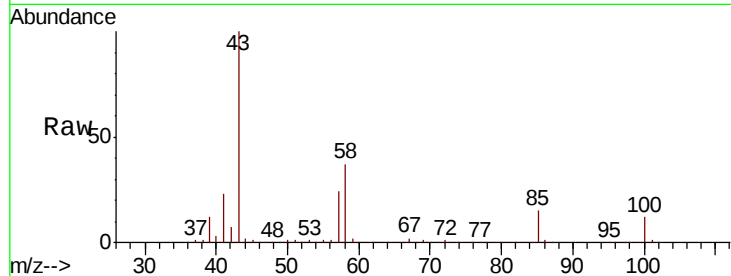
MW-104MS

Tot Ion: 43 Resp: 1187416

Ion Ratio Lower Upper

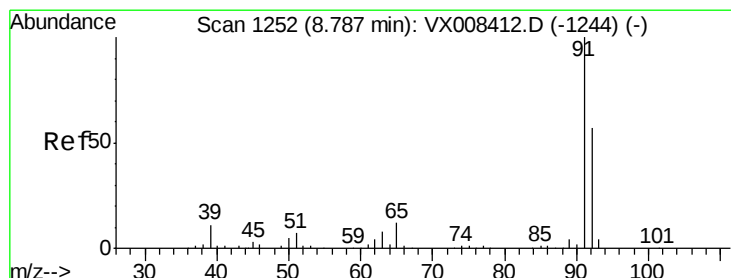
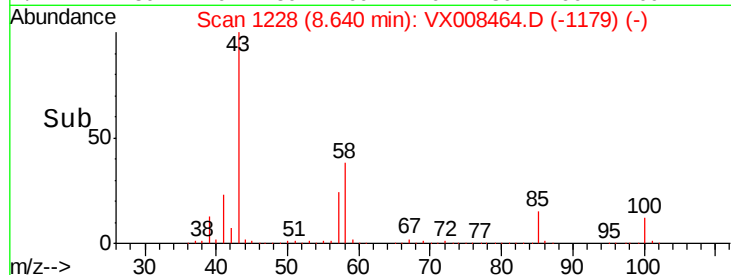
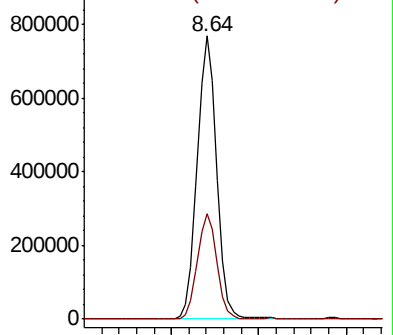
43 100

58 37.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.024 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008464.D

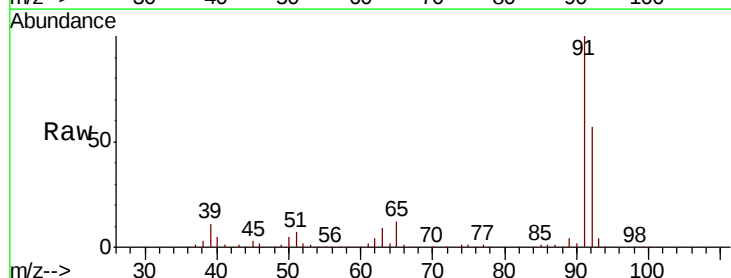
Acq: 26 Mar 2019 19:08

Tgt Ion: 92 Resp: 304369

Ion Ratio Lower Upper

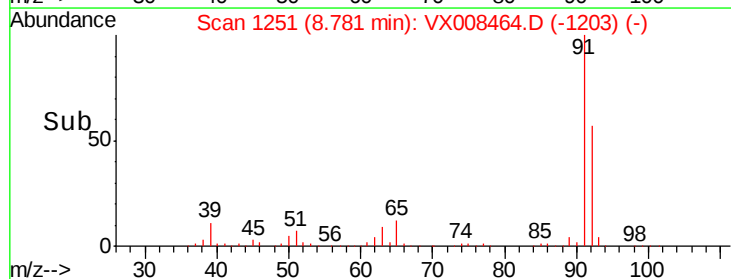
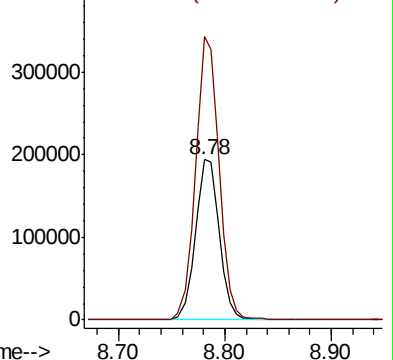
92 100

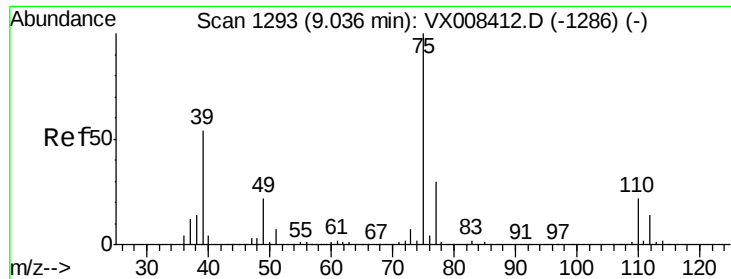
91 174.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

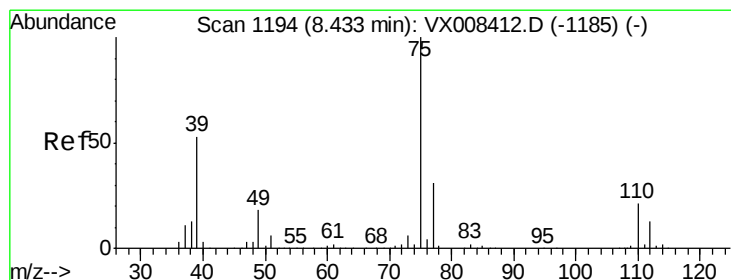
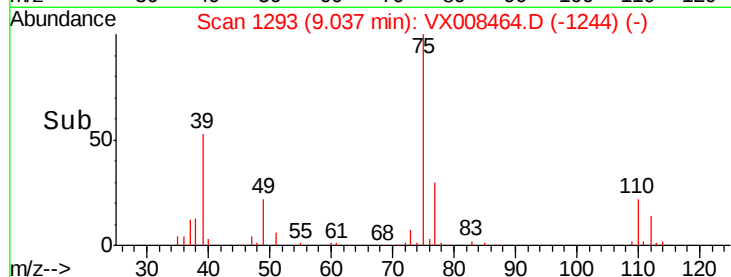
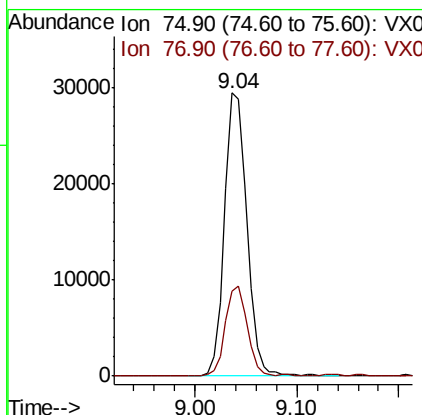
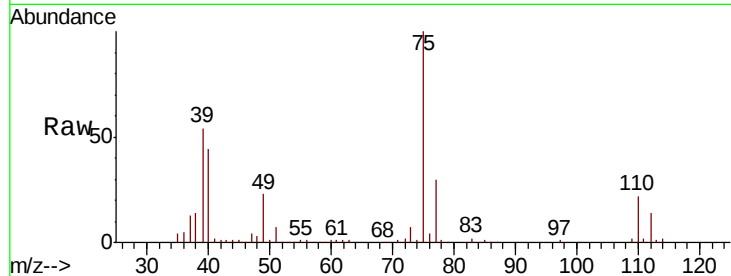




#53
t-1,3-Dichloropropene
Concen: 12.207 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

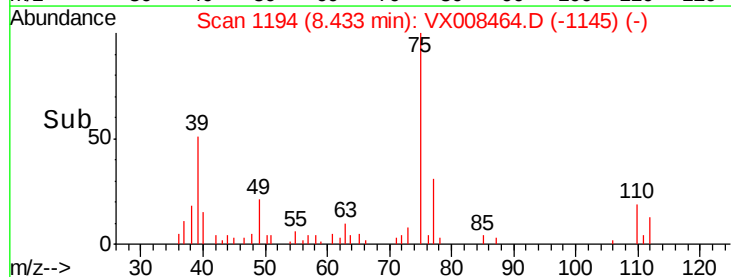
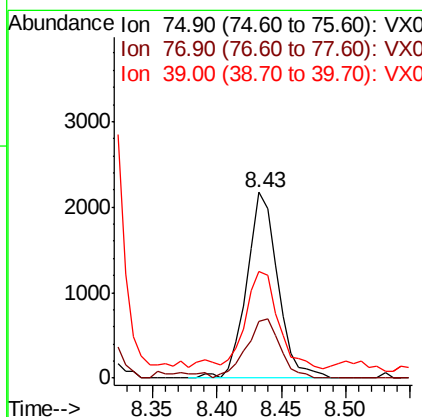
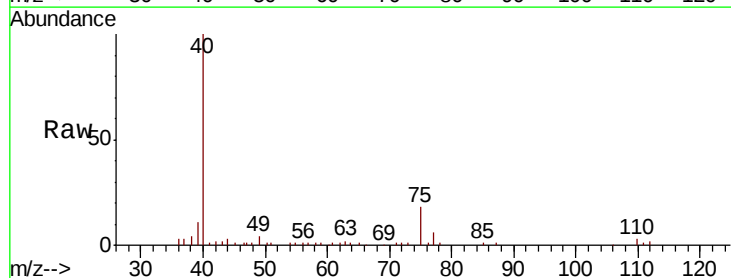
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

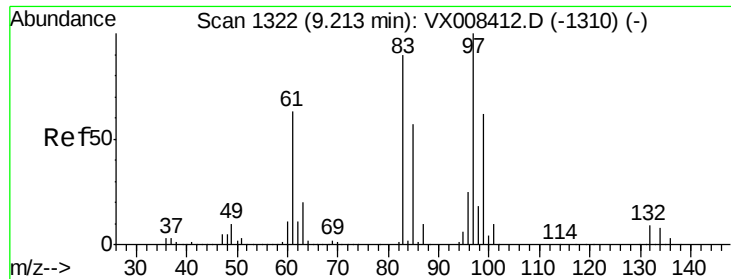
Tot Ion: 75 Resp: 45027
Ion Ratio Lower Upper
75 100
77 30.2 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 0.861 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 75 Resp: 3613
Ion Ratio Lower Upper
75 100
77 30.7 24.7 37.1
39 51.8 42.4 63.6

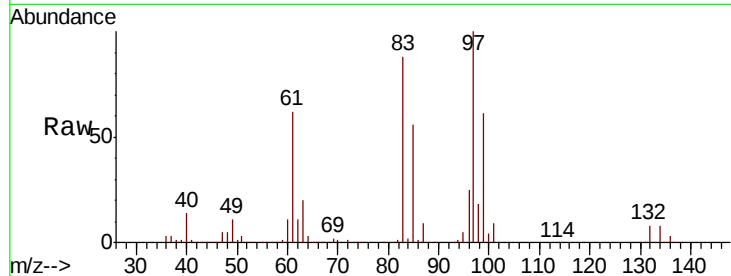




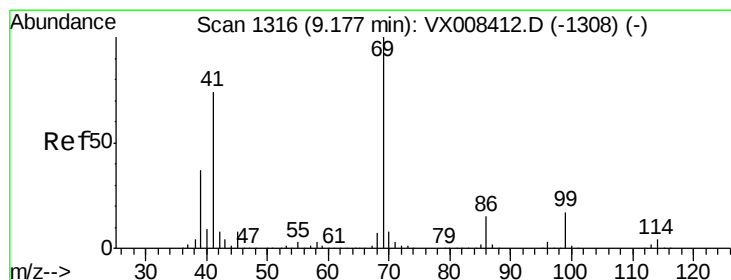
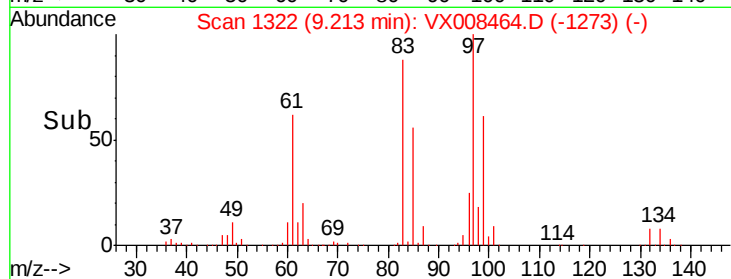
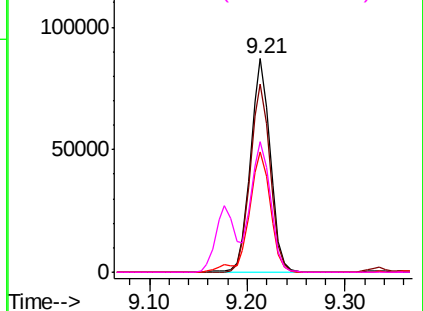
#55
 1,1,2-Trichloroethane
 Concen: 47.515 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Instrument :
 MSVOA_X
 ClientSampled :
 MW-104MS

Tot Ion:	97	Resp:	122586
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.8	107.6
85	56.1	45.9	68.9
99	61.4	49.4	74.0

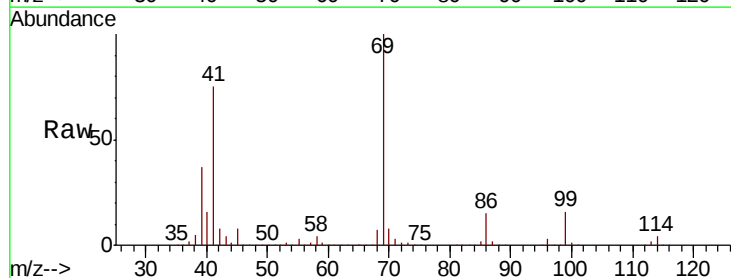


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

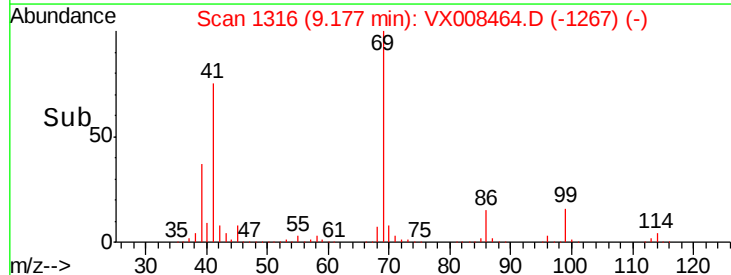
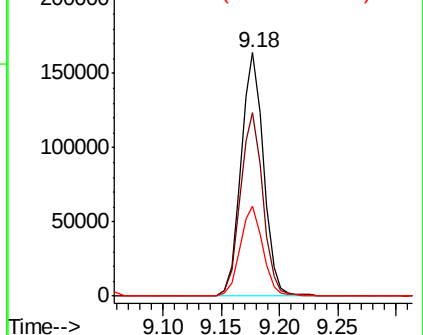


#56
 Ethyl methacrylate
 Concen: 47.811 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Tgt Ion:	69	Resp:	222655
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.5	89.3
39	36.9	29.3	43.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

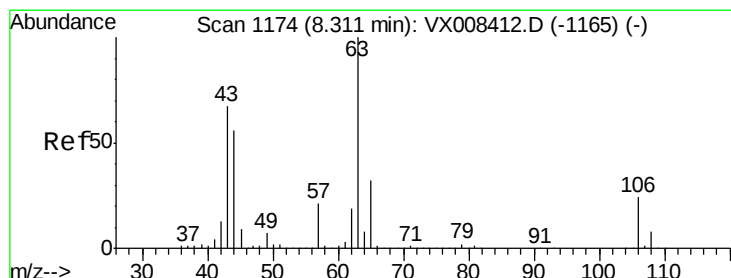
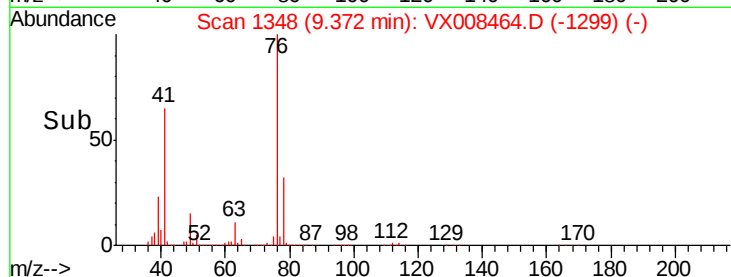
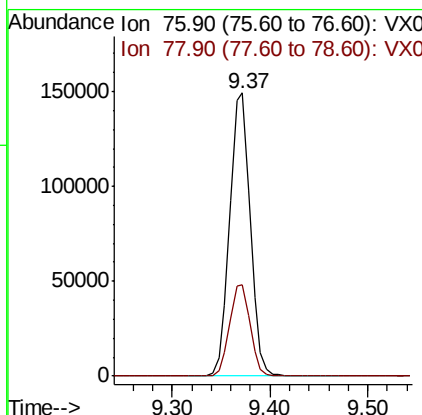
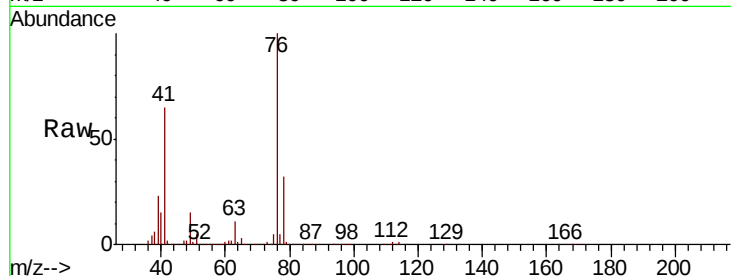




#57
 1,3-Dichloropropane
 Concen: 47.069 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

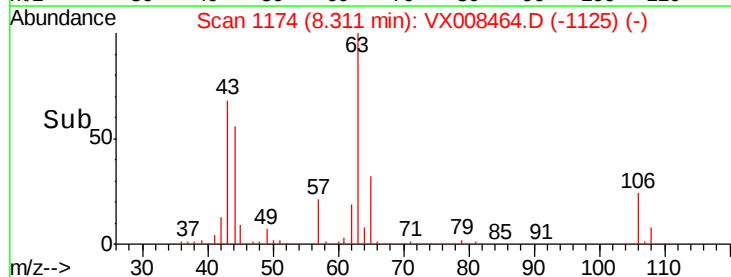
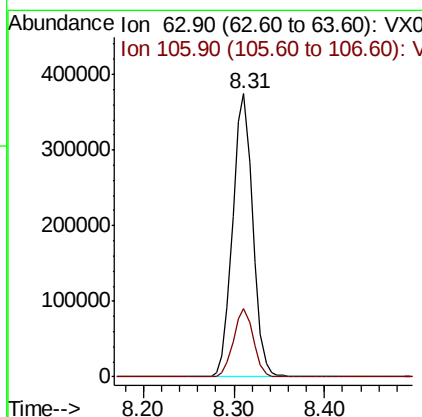
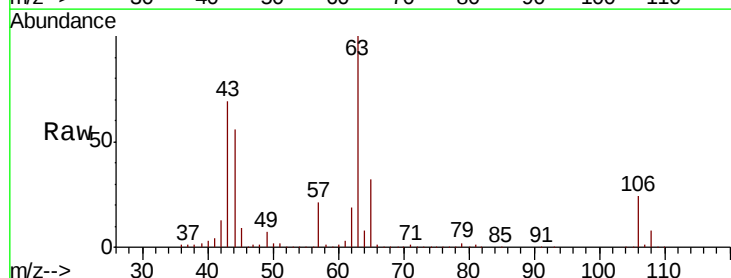
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MS

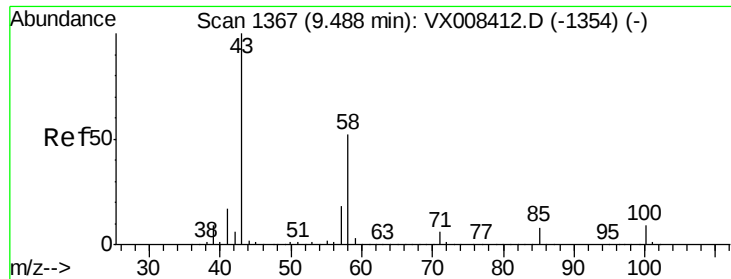
Tot Ion: 76 Resp: 217723
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.962 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Tgt Ion: 63 Resp: 575248
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.6

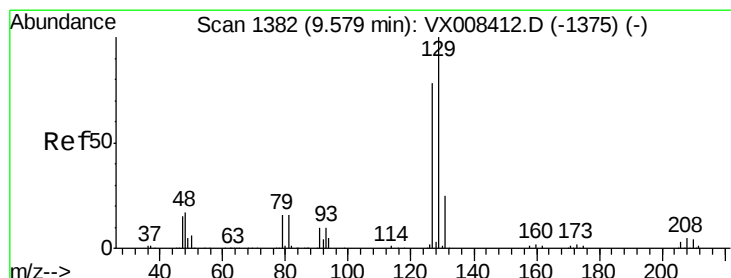
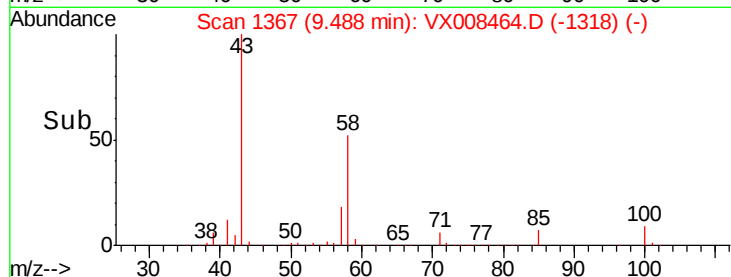
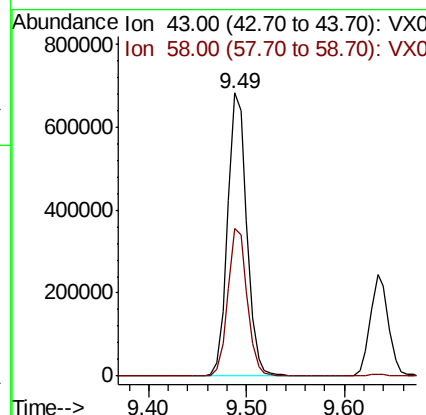
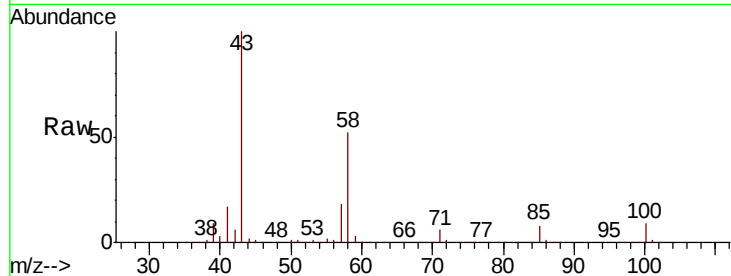




#59
2-Hexanone
Concen: 250.742 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

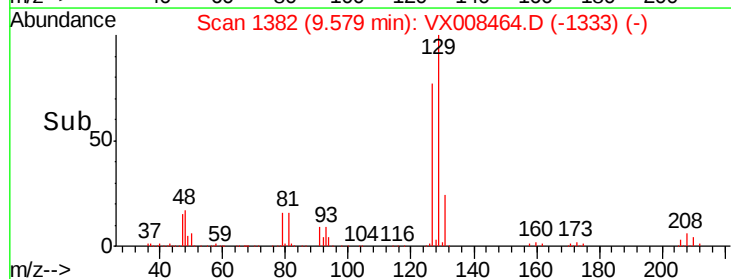
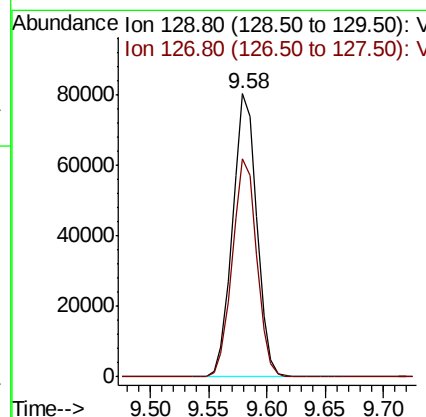
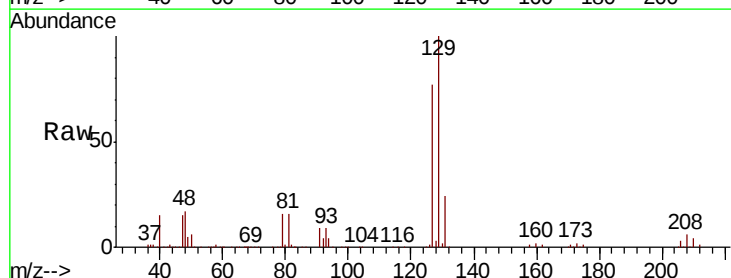
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

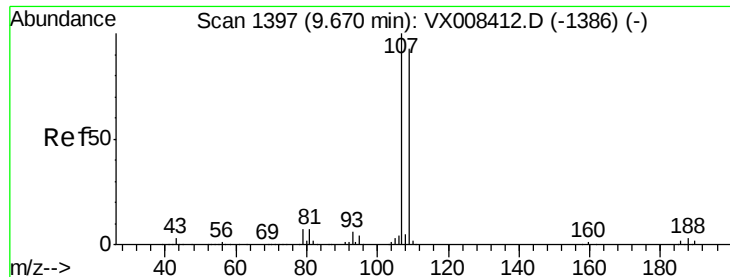
Tot Ion: 43 Resp: 925820
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 47.450 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 129 Resp: 116421
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 46.799 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

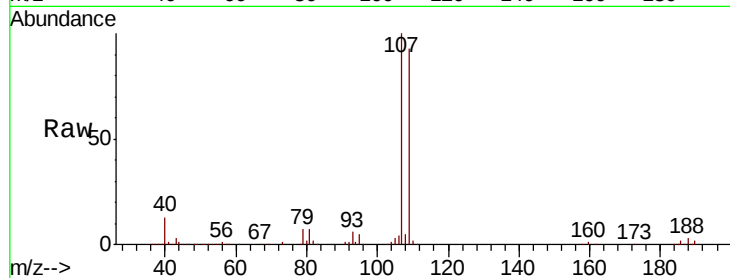
MW-104MS

Tot Ion:107 Resp: 123215

Ion Ratio Lower Upper

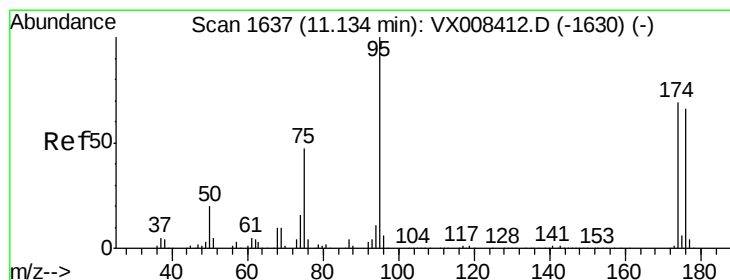
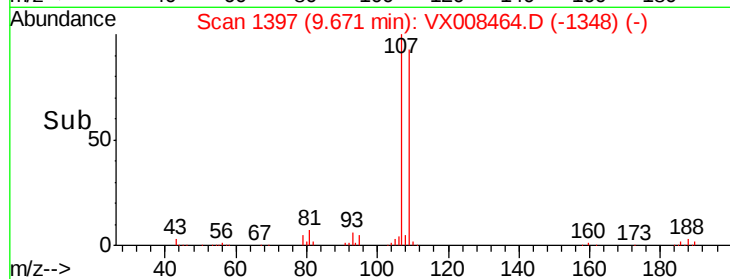
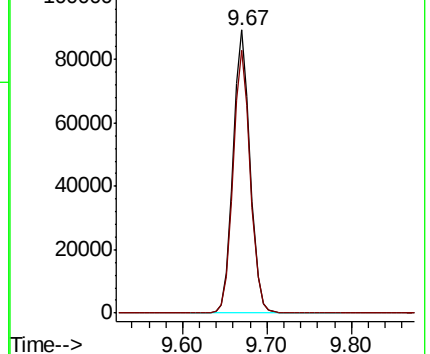
107 100

109 93.7 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

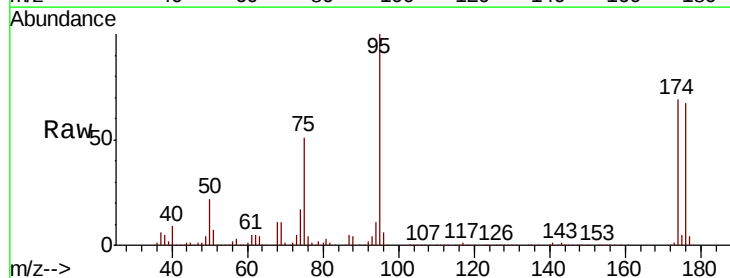
Tgt Ion: 95 Resp: 154299

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.2

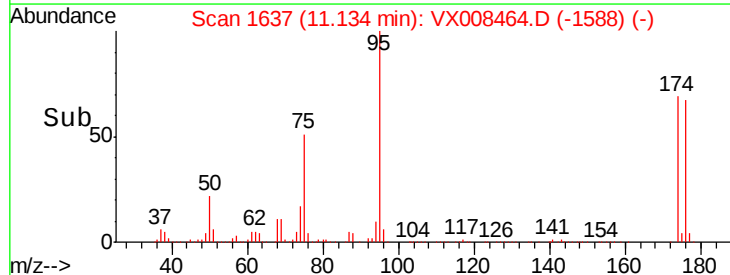
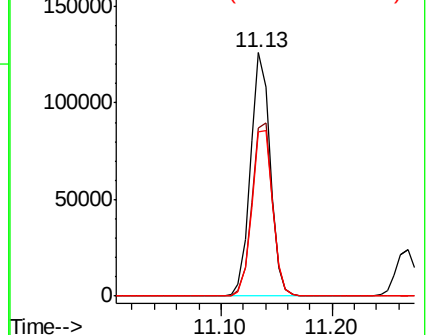
176 72.1 0.0 142.4

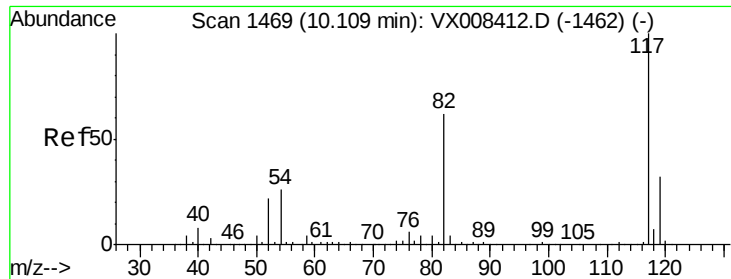


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

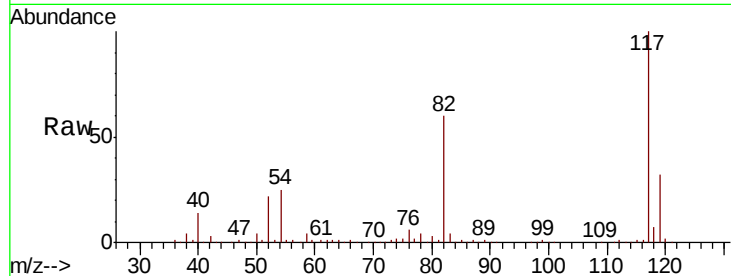




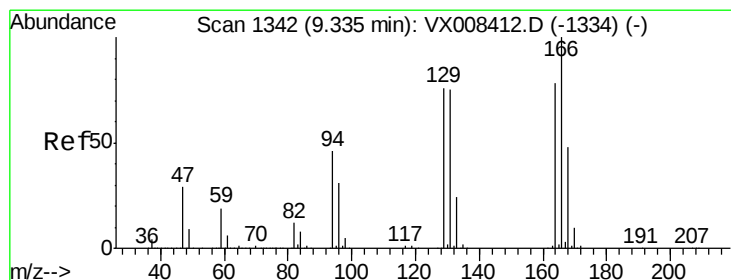
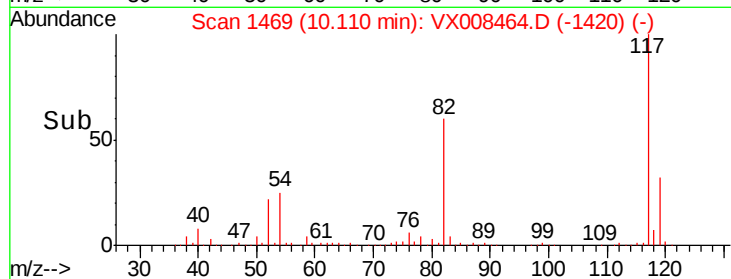
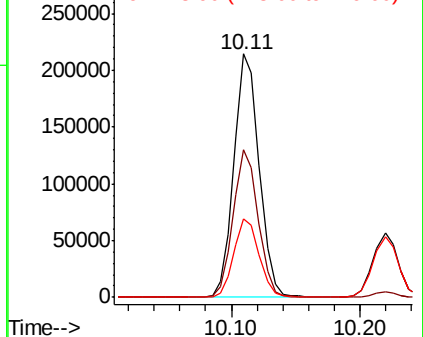
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

Tot Ion:117 Resp: 294292
Ion Ratio Lower Upper
117 100
82 60.5 49.4 74.2
119 32.2 25.4 38.0

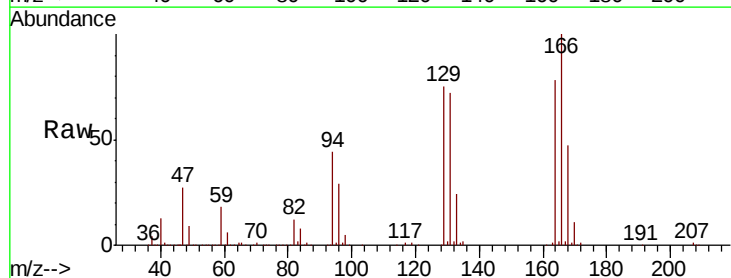


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

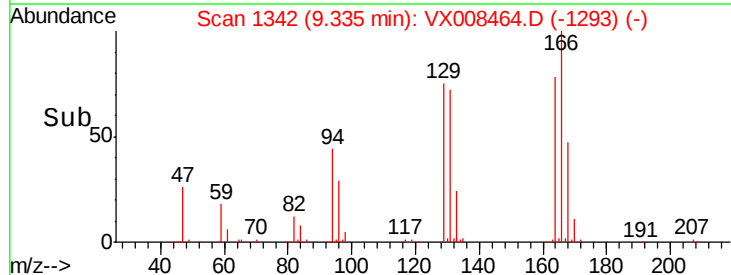
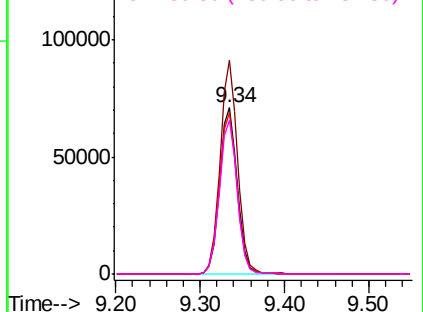


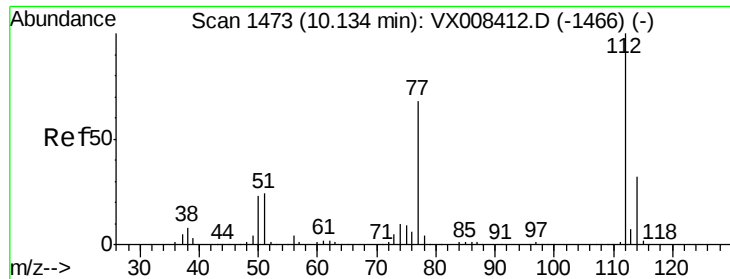
#64
Tetrachloroethene
Concen: 52.021 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion:164 Resp: 103644
Ion Ratio Lower Upper
164 100
166 128.6 102.5 153.7
129 97.1 77.8 116.8
131 92.2 76.9 115.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

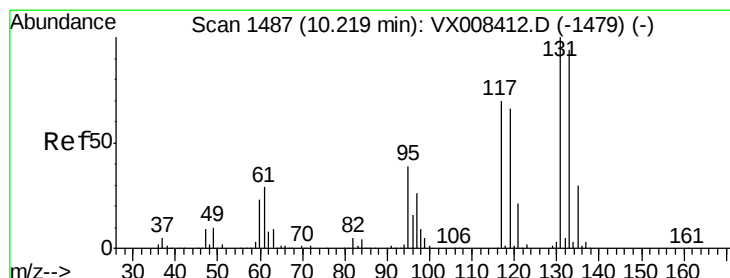
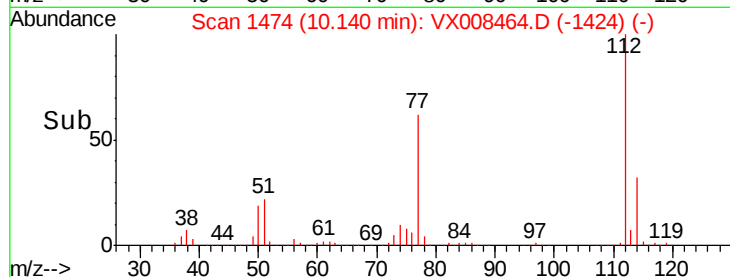
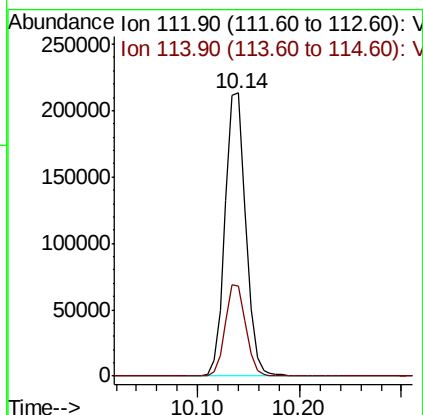
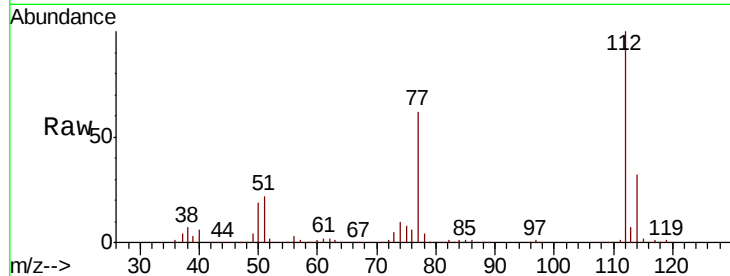




#65
Chlorobenzene
Concen: 47.007 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

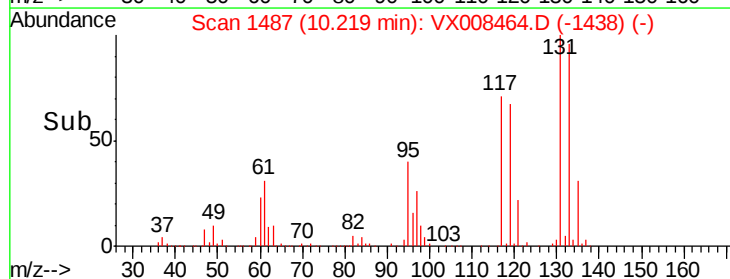
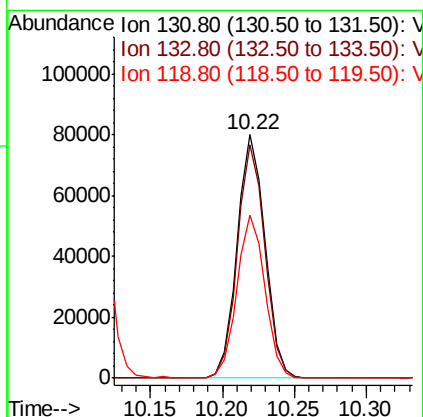
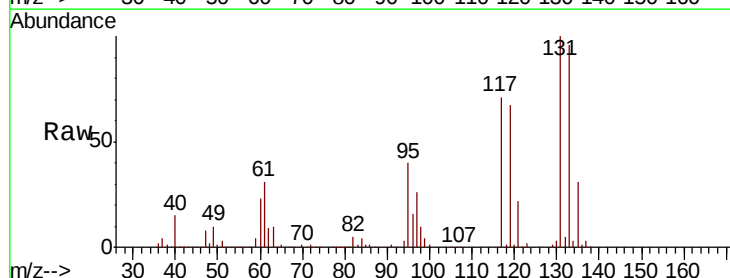
Instrument :
MSVOA_X
ClientSampled :
MW-104MS

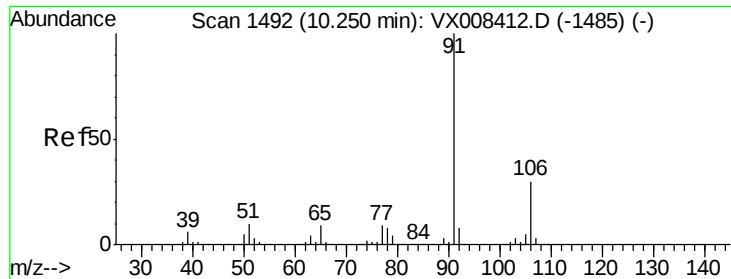
Tot Ion:112 Resp: 300846
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.810 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion:131 Resp: 107774
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.8
119 67.3 33.6 100.6





#67

Ethyl Benzene

Concen: 47.869 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

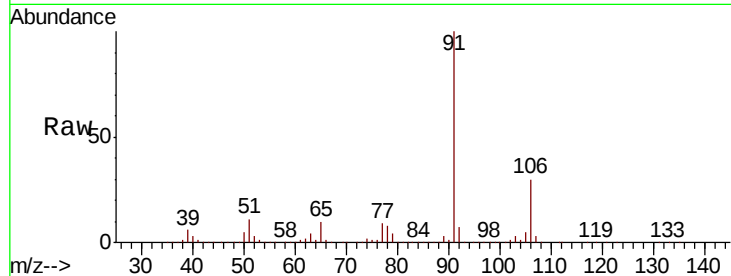
MW-104MS

Tot Ion: 91 Resp: 578184

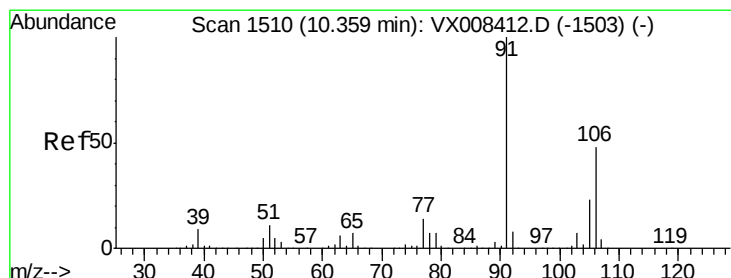
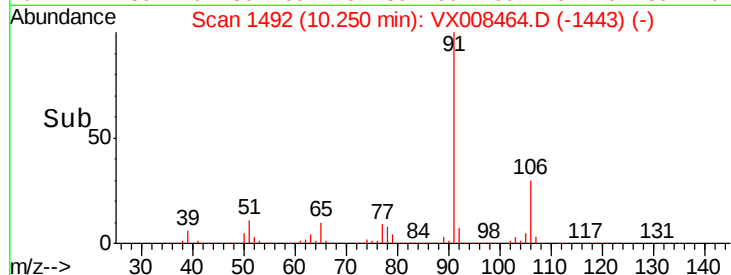
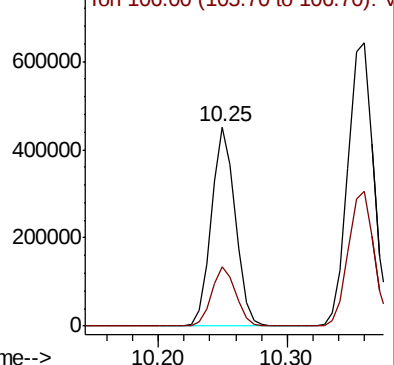
Ion Ratio Lower Upper

91 100

106 29.8 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1485) (-)



#68

m/p-Xylenes

Concen: 95.245 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008464.D

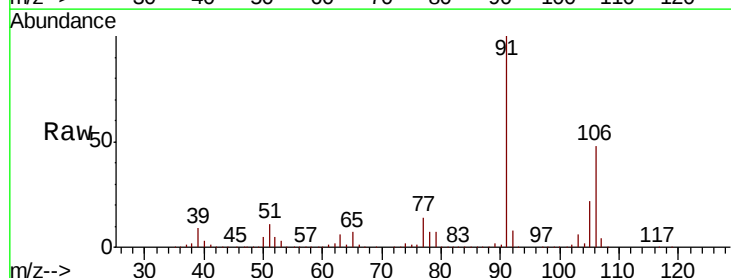
Acq: 26 Mar 2019 19:08

Tgt Ion: 106 Resp: 418518

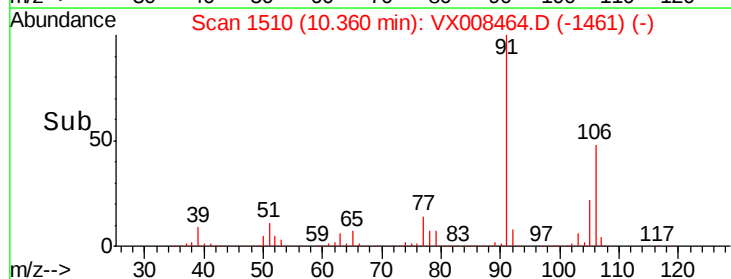
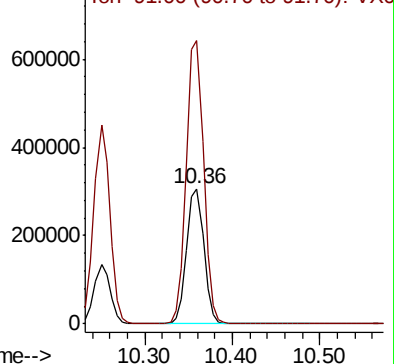
Ion Ratio Lower Upper

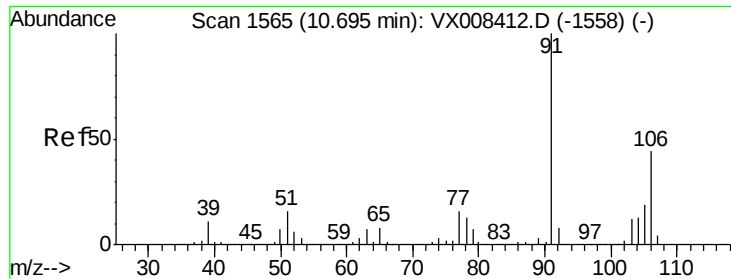
106 100

91 210.4 168.6 253.0



Abundance Ion 106.00 (105.70 to 106.70): VX008412.D (-1503) (-)

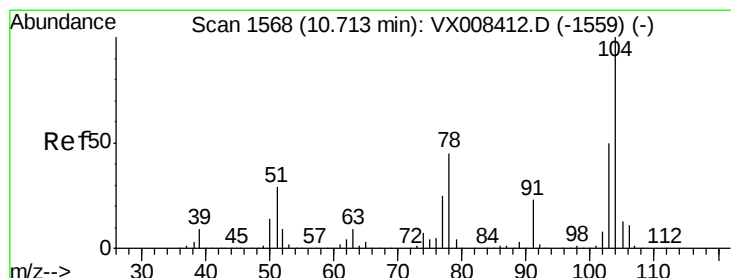
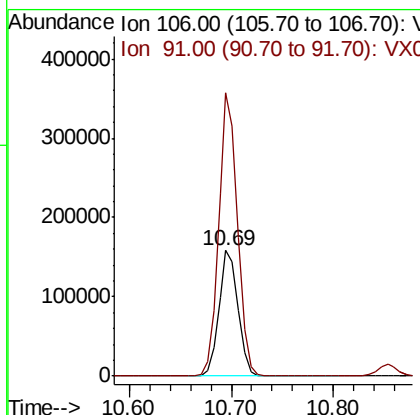
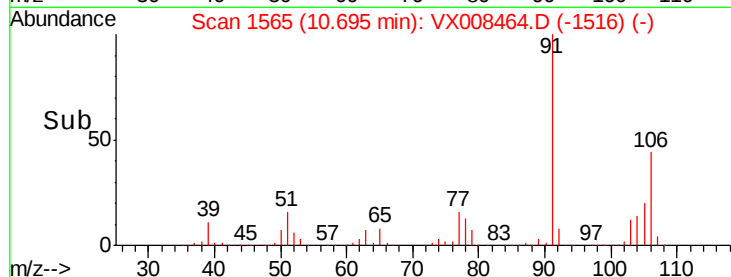
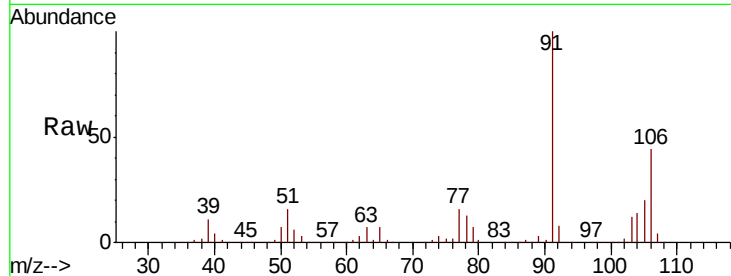




#69
o-Xylene
Concen: 48.664 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

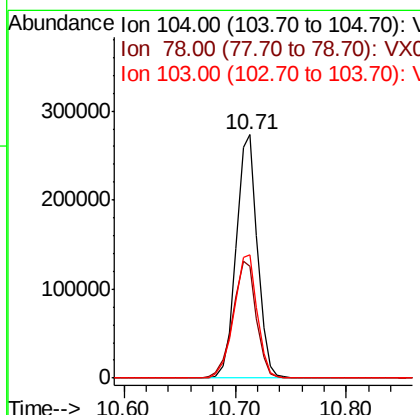
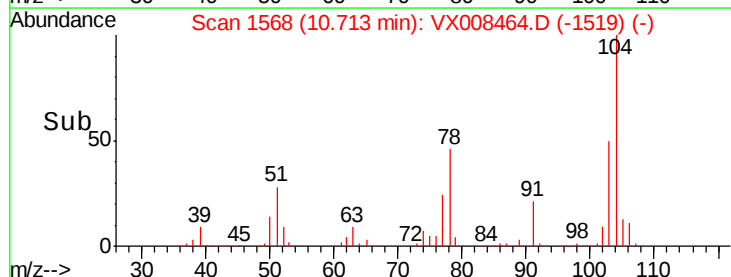
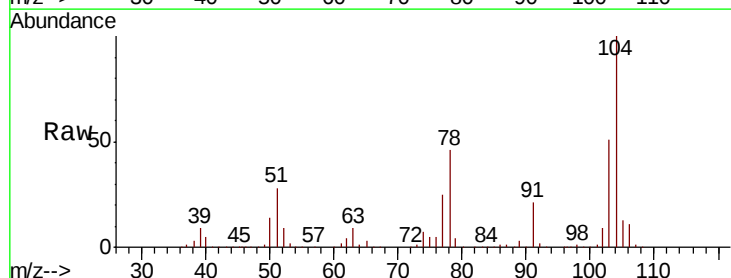
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

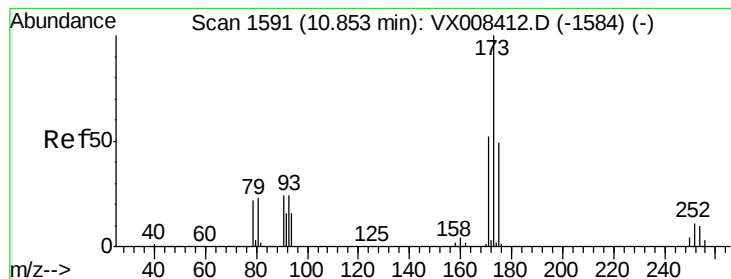
Tot Ion:106 Resp: 207513
Ion Ratio Lower Upper
106 100
91 221.7 111.4 334.2



#70
Styrene
Concen: 48.853 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion:104 Resp: 359840
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 55.4 44.2 66.4





#71

Bromoform

Concen: 48.625 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampled :

MW-104MS

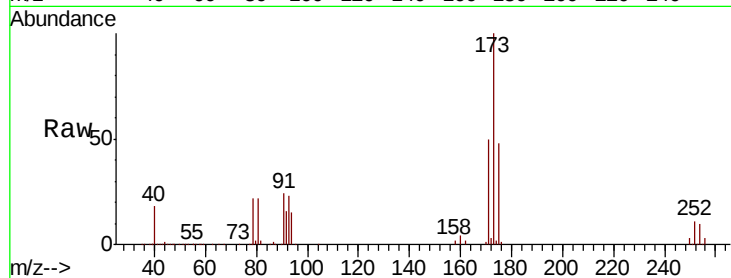
Tot Ion:173 Resp: 84790

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

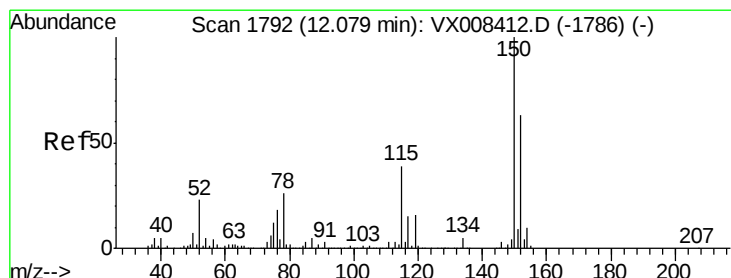
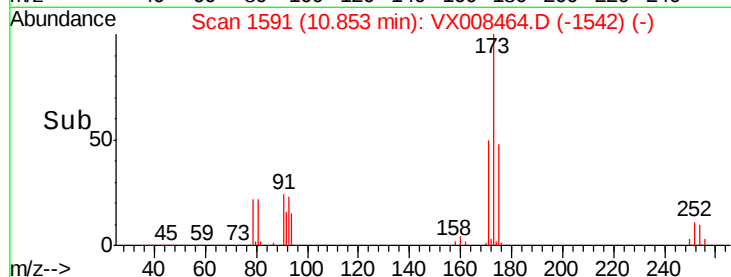
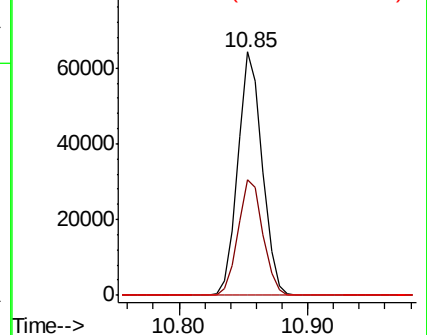
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

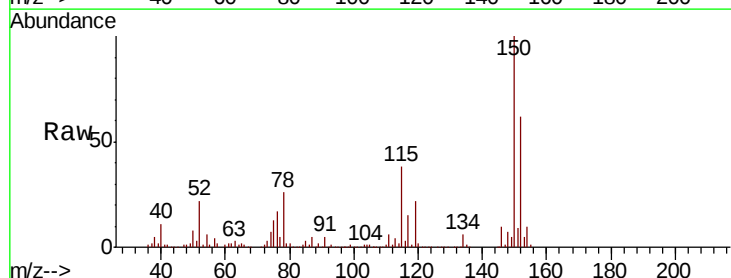
Tgt Ion:152 Resp: 140189

Ion Ratio Lower Upper

152 100

115 85.1 43.5 130.5

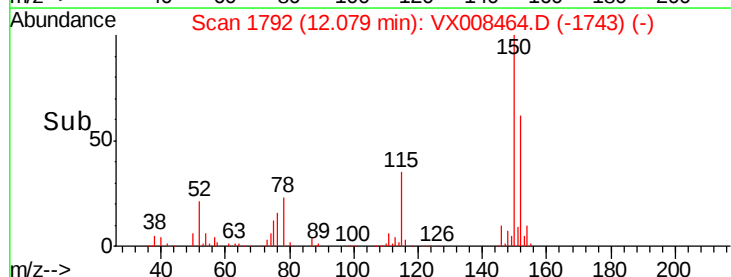
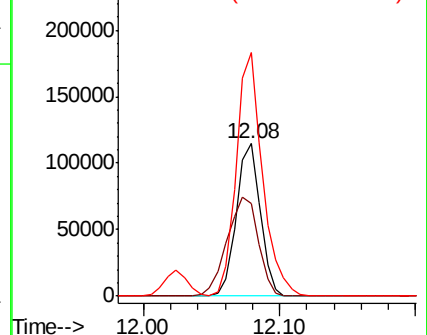
150 175.1 0.0 348.8

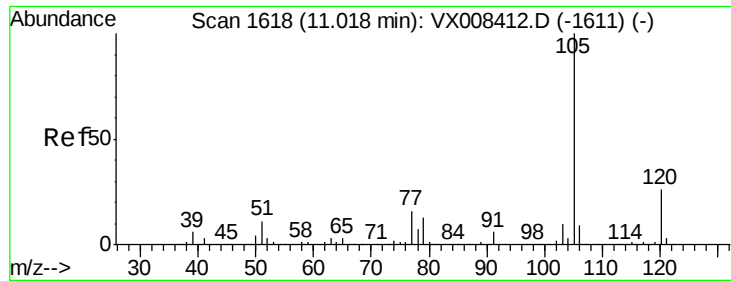


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.126 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

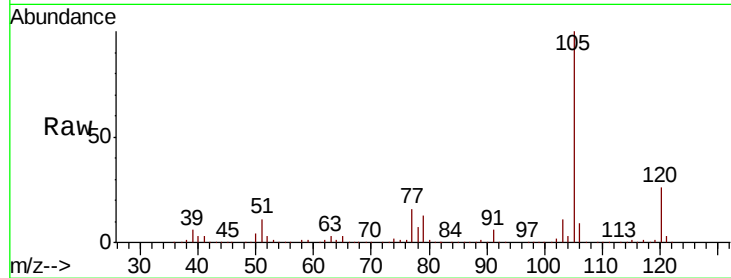
MW-104MS

Tot Ion:105 Resp: 537478

Ion Ratio Lower Upper

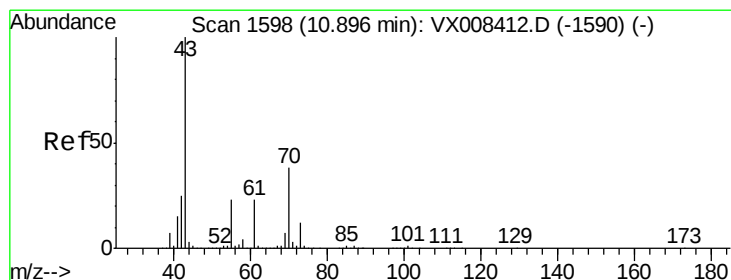
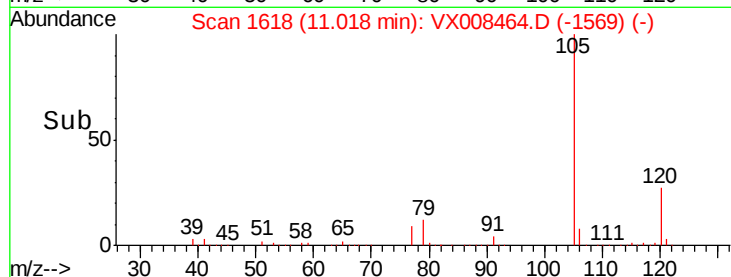
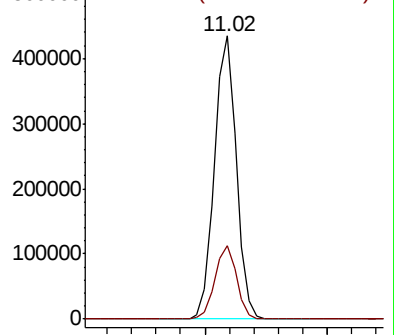
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.422 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Tgt Ion: 43 Resp: 306449

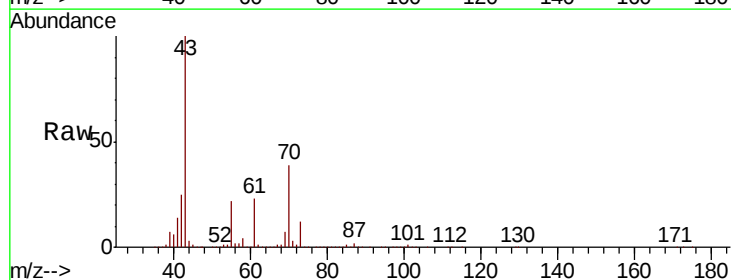
Ion Ratio Lower Upper

43 100

70 38.6 30.5 45.7

55 22.7 18.2 27.2

61 22.9 18.4 27.6

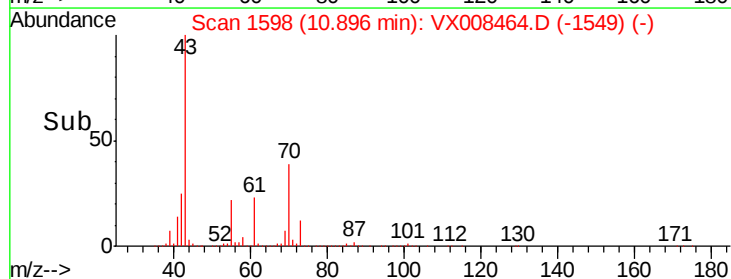
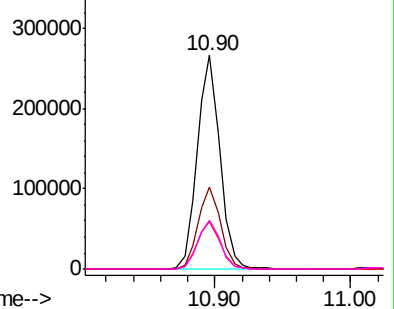


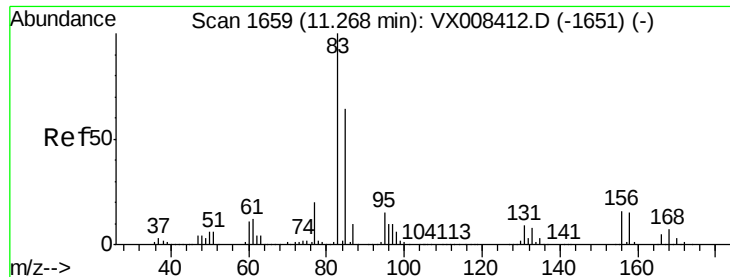
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.865 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

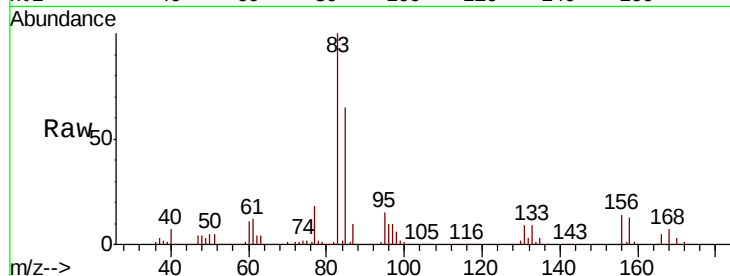
Tot Ion: 83 Resp: 211808

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

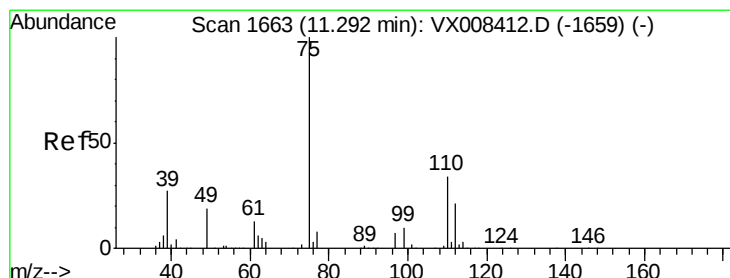
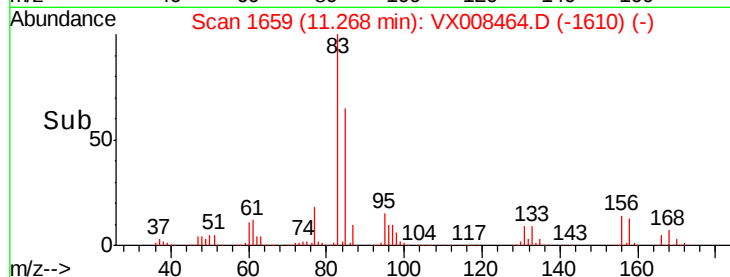
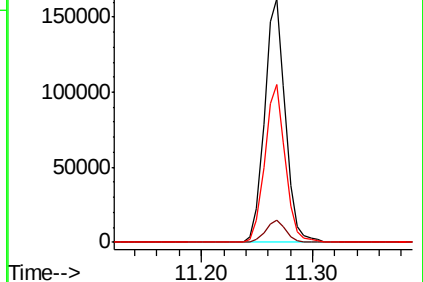
85 63.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 41.872 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008464.D

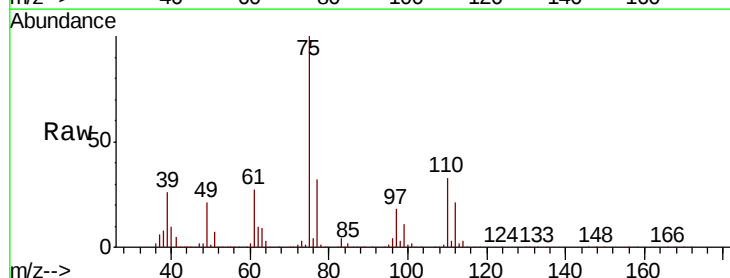
Acq: 26 Mar 2019 19:08

Tgt Ion: 75 Resp: 174512

Ion Ratio Lower Upper

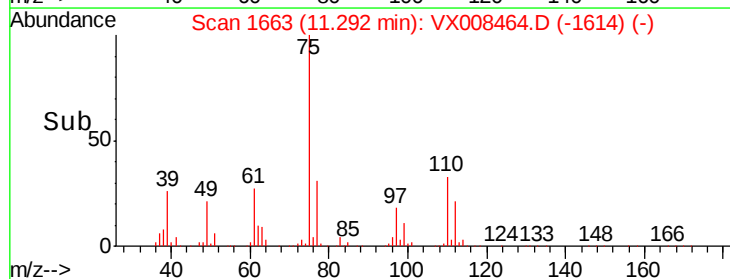
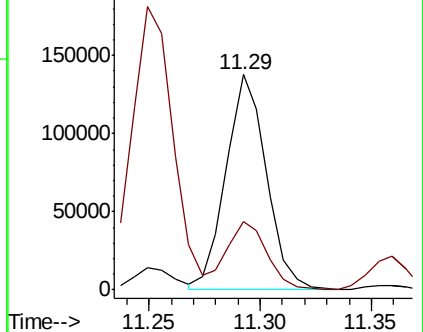
75 100

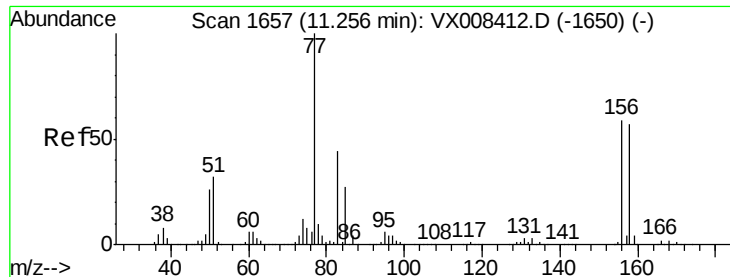
77 31.9 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.237 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

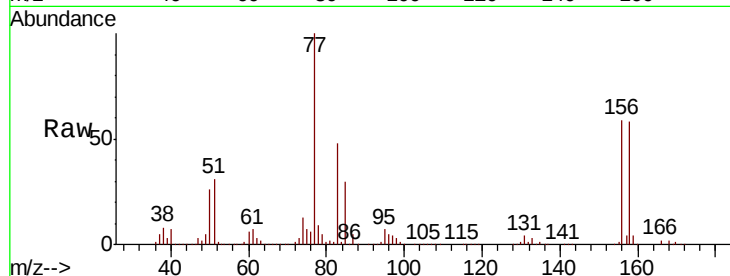
Tot Ion:156 Resp: 127984

Ion Ratio Lower Upper

156 100

77 182.8 91.1 273.3

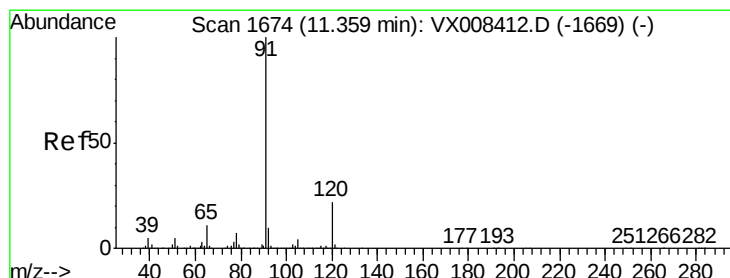
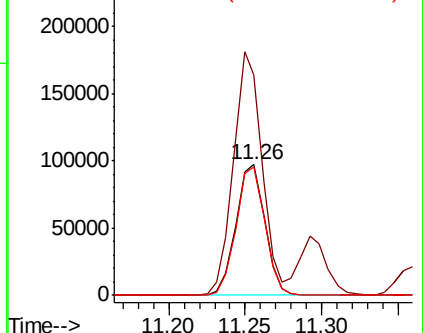
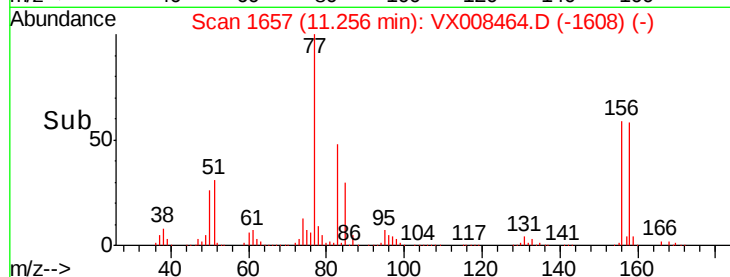
158 97.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.656 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008464.D

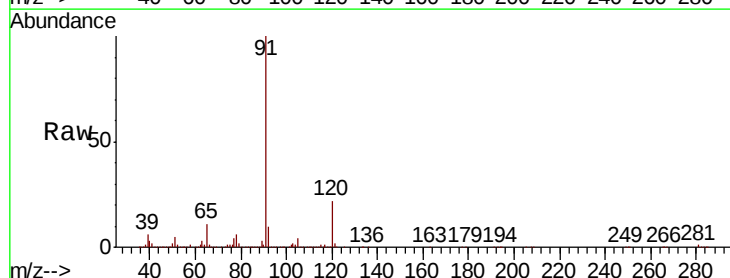
Acq: 26 Mar 2019 19:08

Tgt Ion: 91 Resp: 636698

Ion Ratio Lower Upper

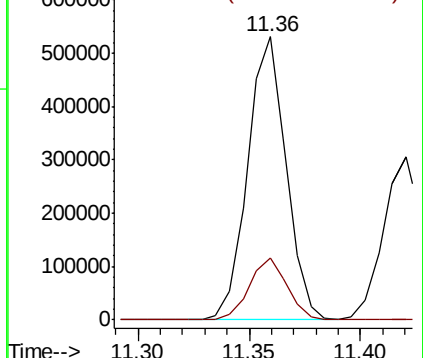
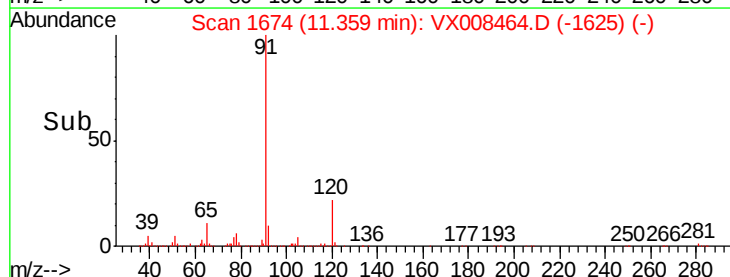
91 100

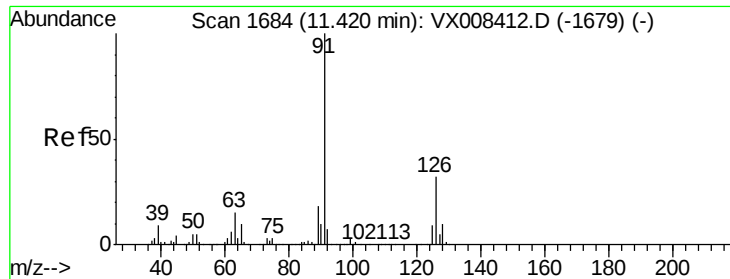
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.787 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

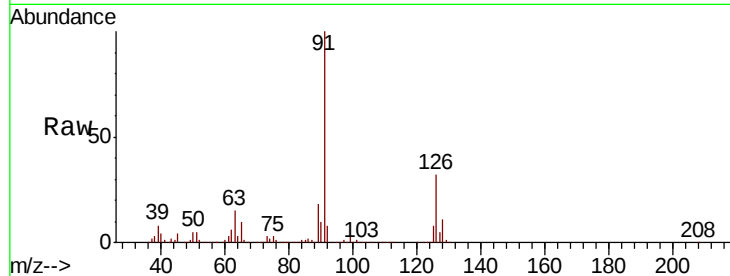
MW-104MS

Tot Ion: 91 Resp: 380201

Ion Ratio Lower Upper

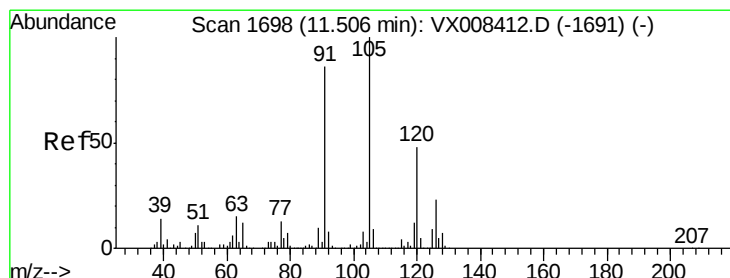
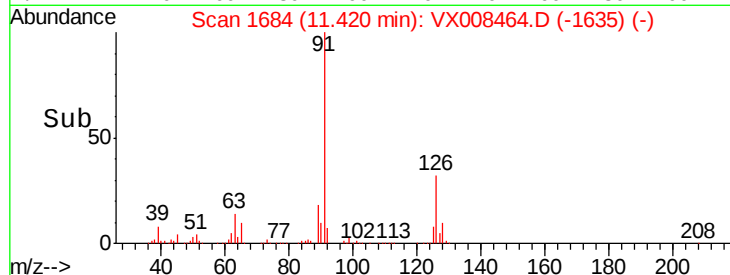
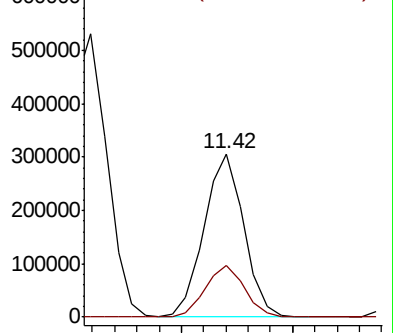
91 100

126 31.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.328 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008464.D

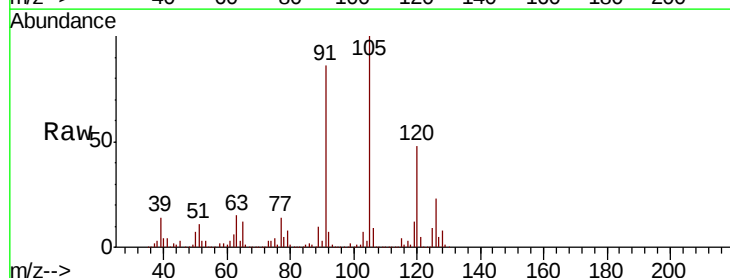
Acq: 26 Mar 2019 19:08

Tgt Ion:105 Resp: 456340

Ion Ratio Lower Upper

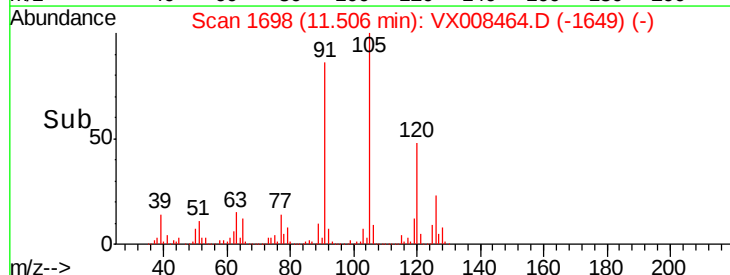
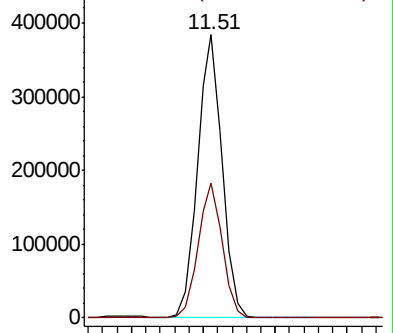
105 100

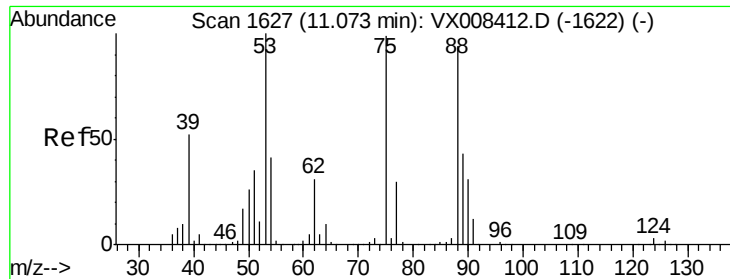
120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.968 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

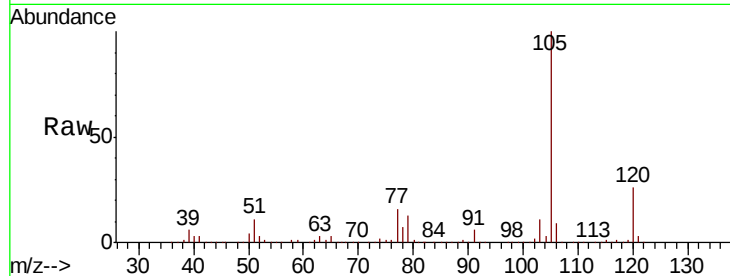
Tot Ion: 75 Resp: 6464

Ion Ratio Lower Upper

75 100

53 114.8 82.1 123.1

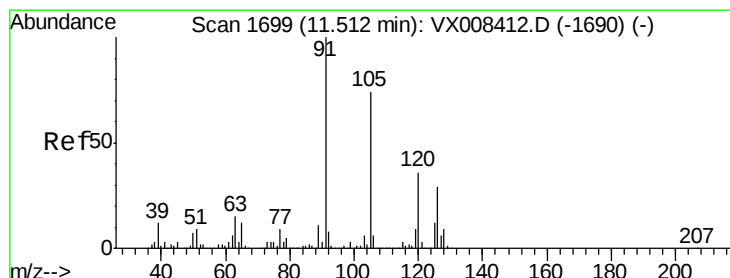
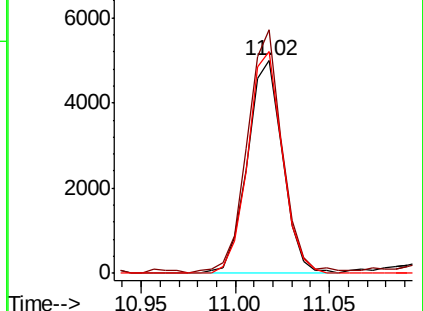
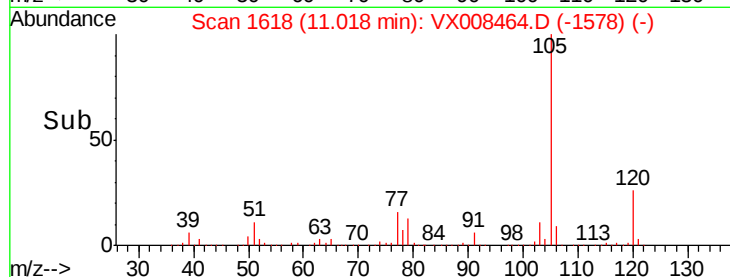
89 101.9 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.625 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008464.D

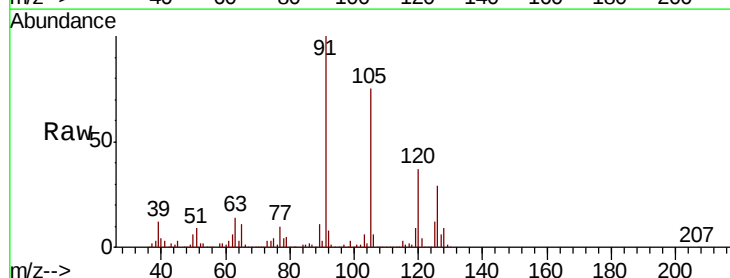
Acq: 26 Mar 2019 19:08

Tgt Ion: 91 Resp: 437045

Ion Ratio Lower Upper

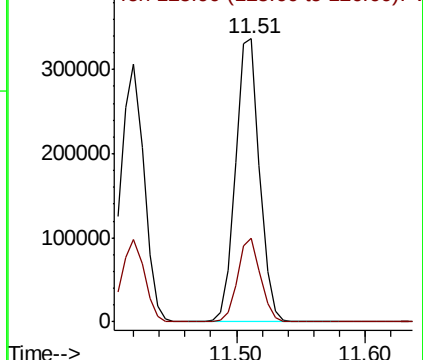
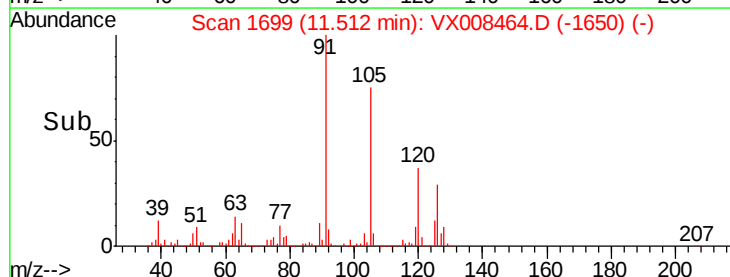
91 100

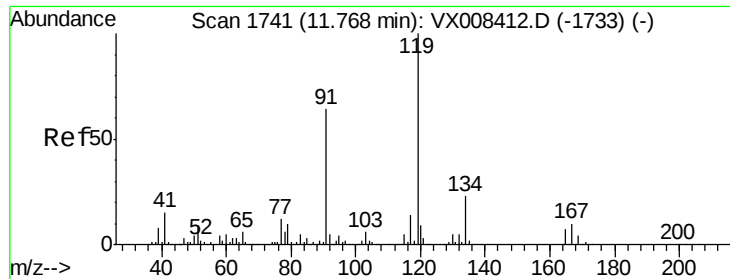
126 28.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

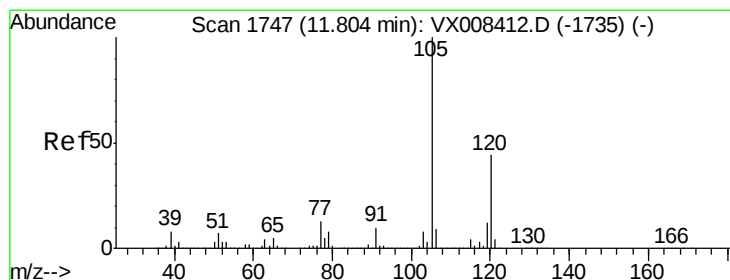
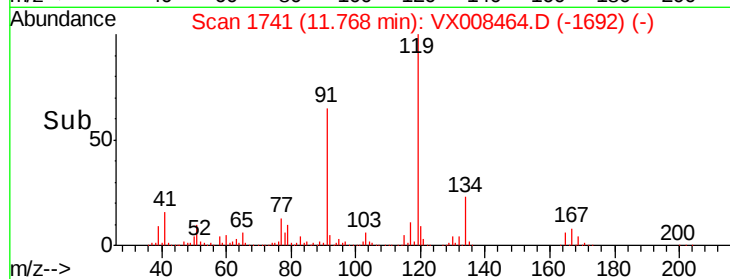
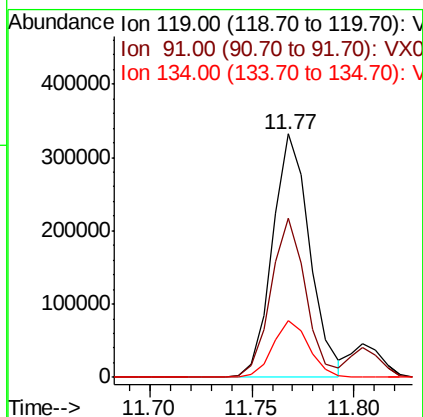
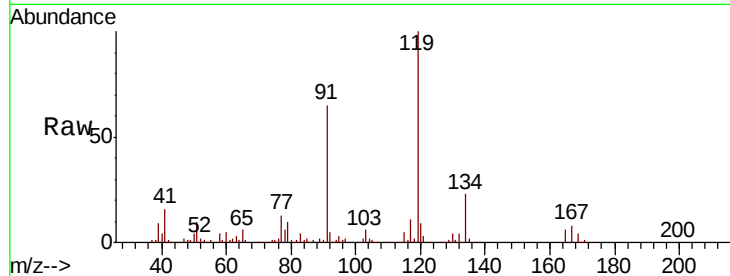




#83
tert-Butylbenzene
Concen: 45.509 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

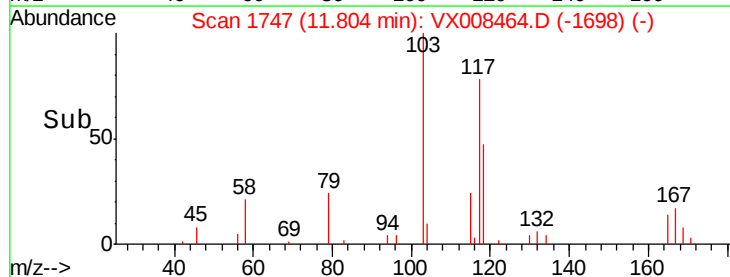
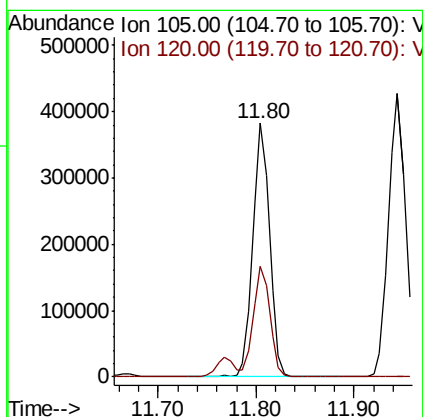
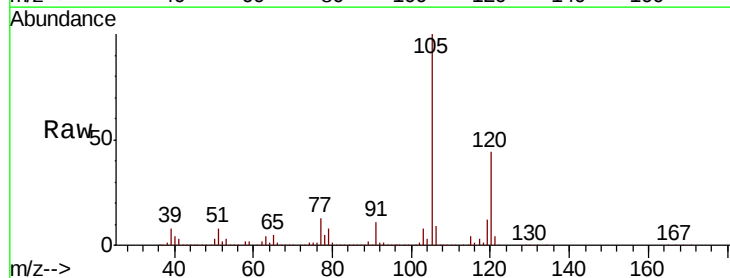
Instrument :
MSVOA_X
ClientSampled :
MW-104MS

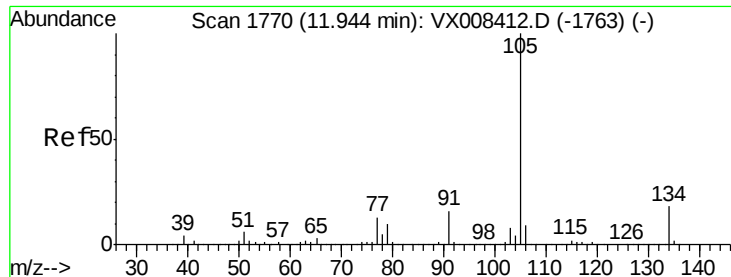
Tot Ion:119 Resp: 423358
Ion Ratio Lower Upper
119 100
91 61.1 30.1 90.3
134 22.4 10.9 32.9



#84
1,2,4-Trimethylbenzene
Concen: 46.840 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion:105 Resp: 456811
Ion Ratio Lower Upper
105 100
120 42.7 21.6 65.0





#85

sec-Butylbenzene

Concen: 46.808 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

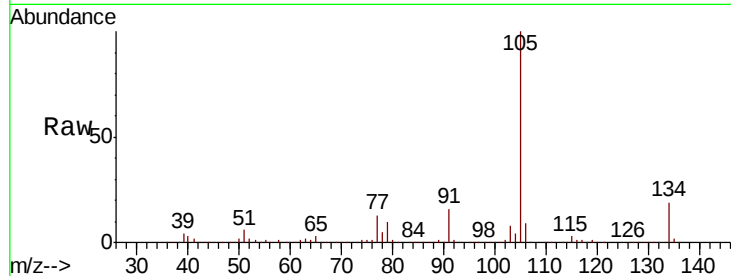
MW-104MS

Tot Ion:105 Resp: 518545

Ion Ratio Lower Upper

105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

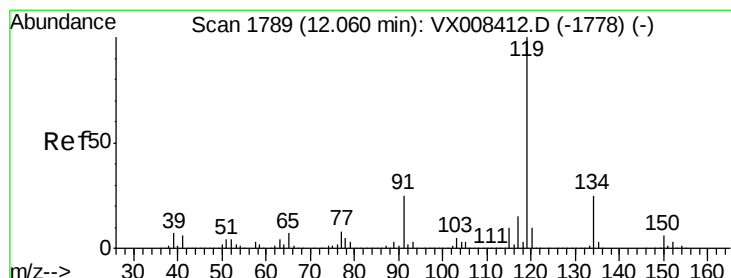
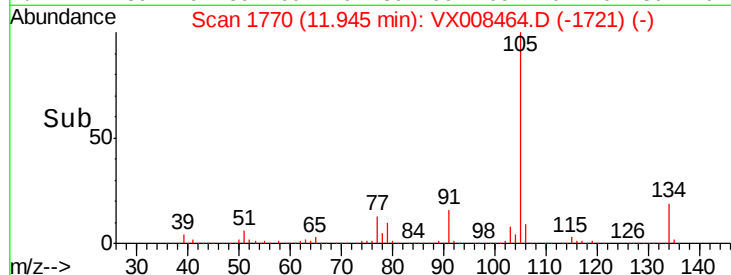
200000

100000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 47.517 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

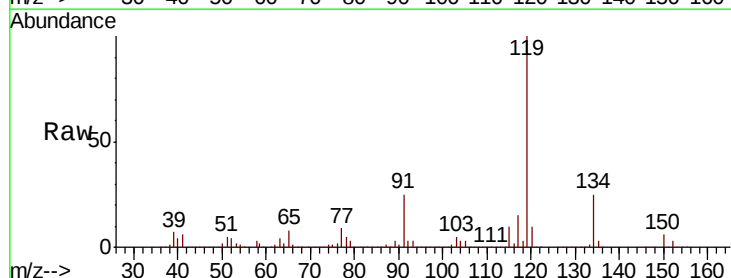
Tgt Ion:119 Resp: 464494

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.7 12.4 37.0



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

12.06

400000

300000

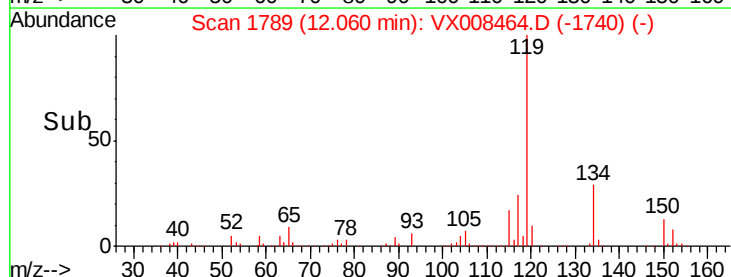
200000

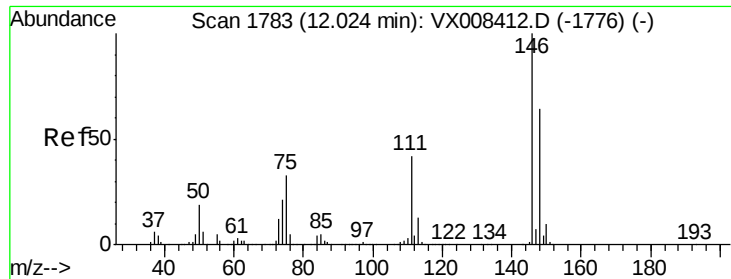
100000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 46.864 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

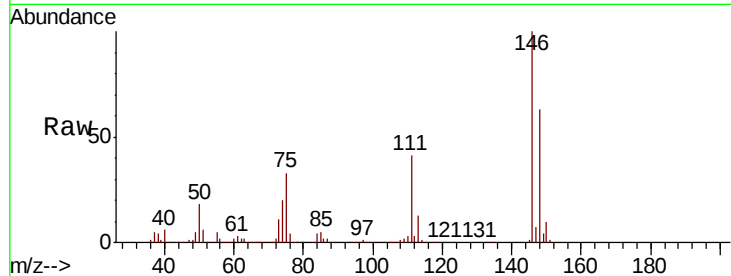
Tot Ion:146 Resp: 231771

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

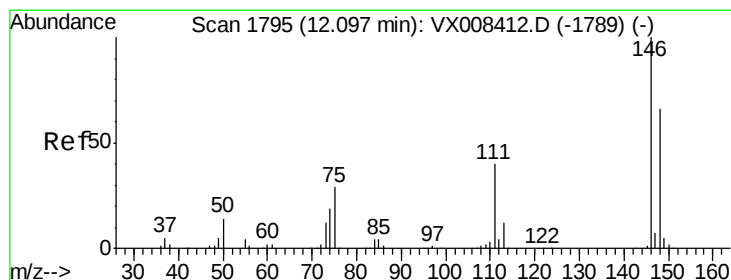
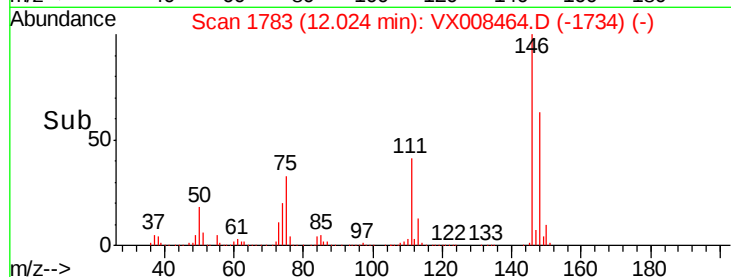
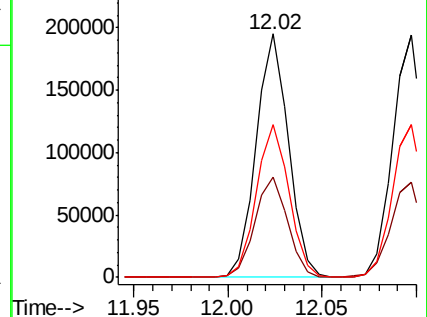
148 63.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.347 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

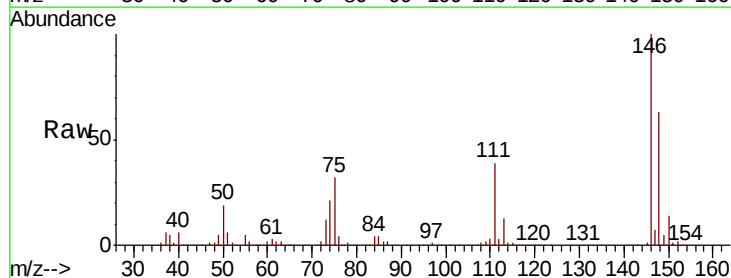
Tgt Ion:146 Resp: 231329

Ion Ratio Lower Upper

146 100

111 40.5 20.3 61.0

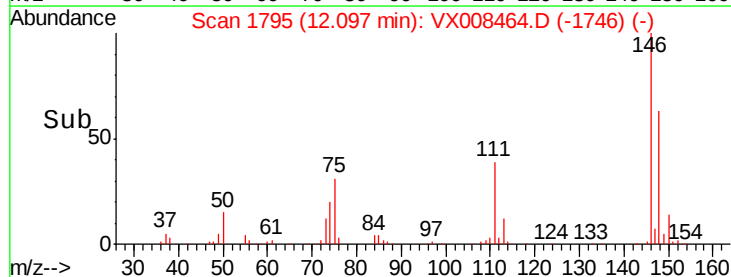
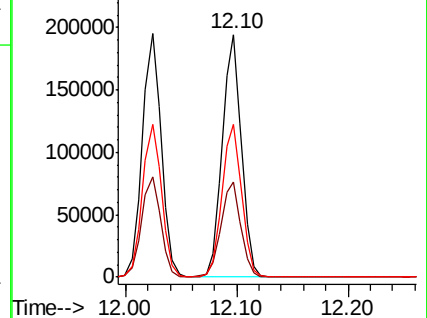
148 64.1 32.1 96.5

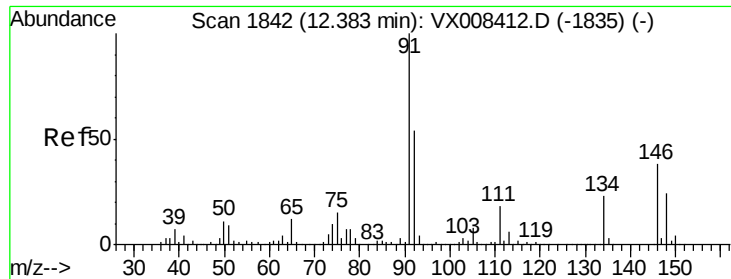


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

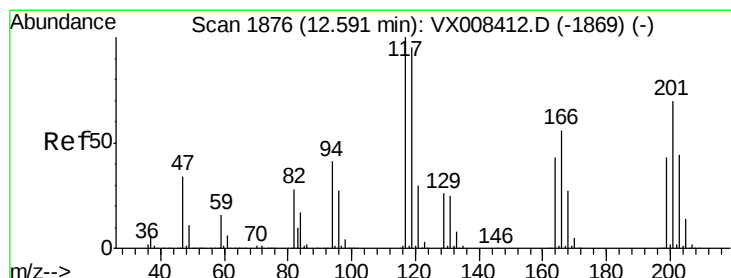
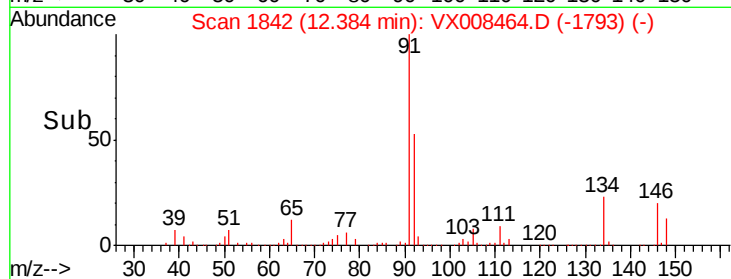
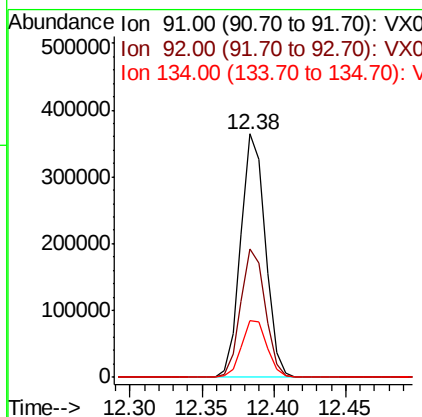
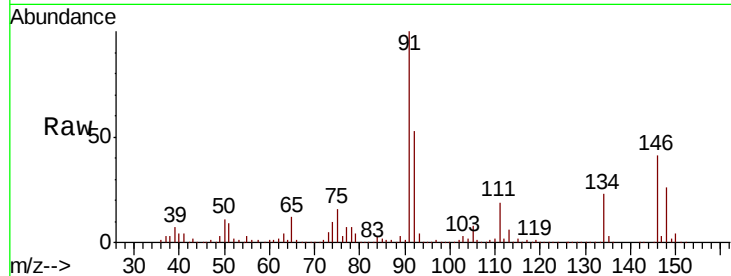




#89
n-Butylbenzene
Concen: 46.743 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

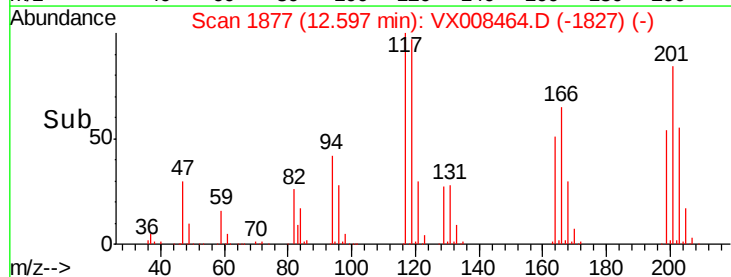
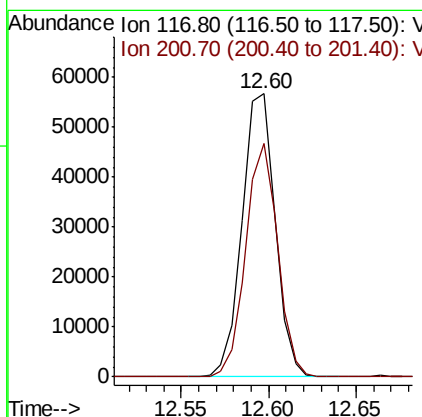
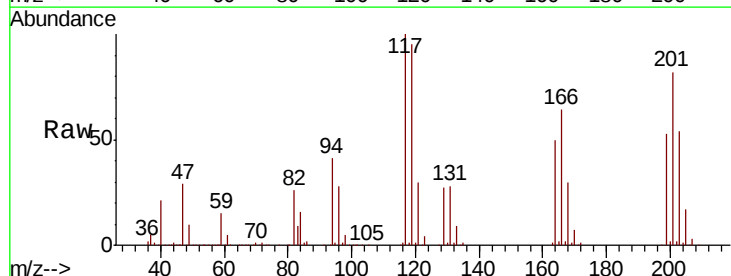
Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

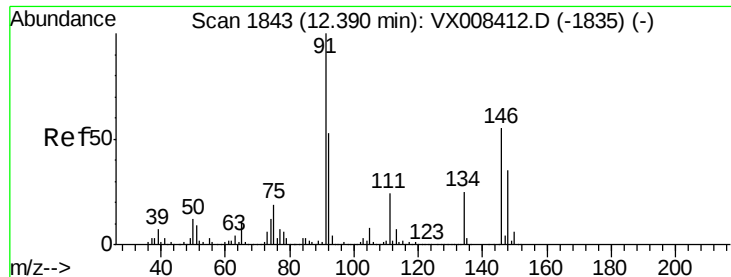
Tot Ion: 91 Resp: 432843
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.5
134 24.0 11.8 35.4



#90
Hexachloroethane
Concen: 45.947 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion: 117 Resp: 74825
Ion Ratio Lower Upper
117 100
201 79.4 39.4 118.1





#91

1,2-Dichlorobenzene

Concen: 47.895 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

MW-104MS

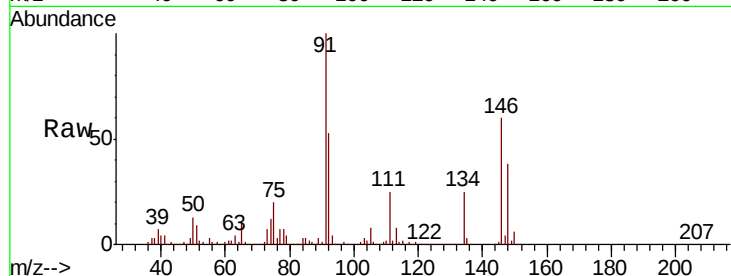
Tot Ion:146 Resp: 237209

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.6

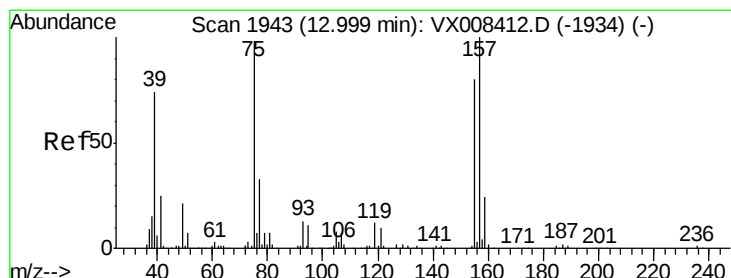
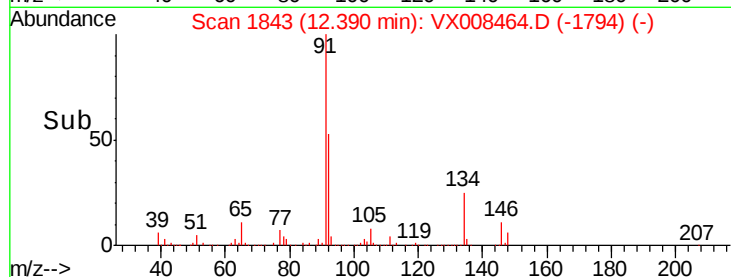
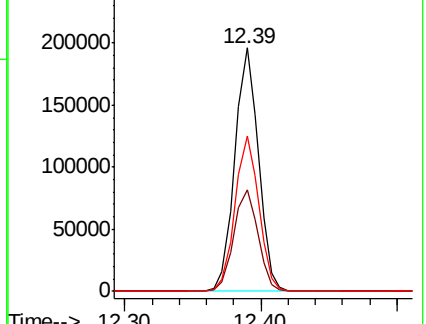
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.544 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008464.D

Acq: 26 Mar 2019 19:08

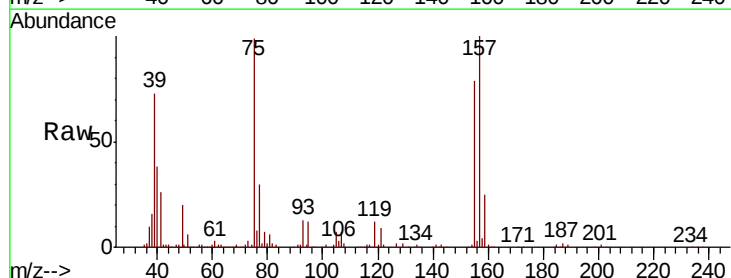
Tgt Ion: 75 Resp: 46839

Ion Ratio Lower Upper

75 100

155 78.4 39.5 118.5

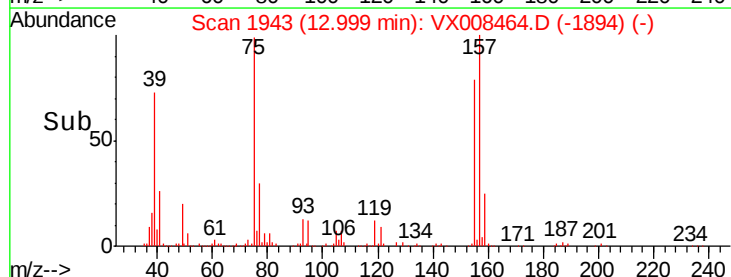
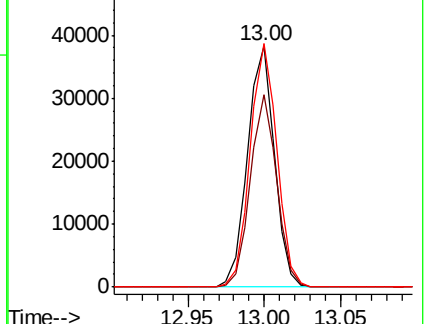
157 100.4 49.9 149.7

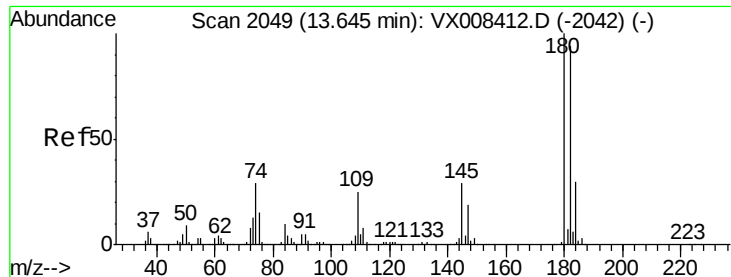


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

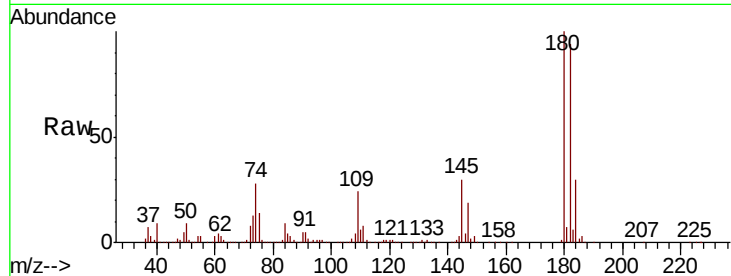




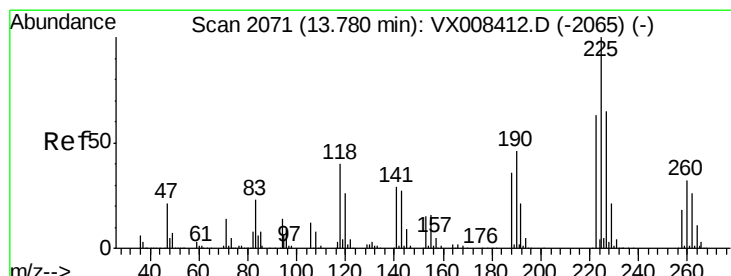
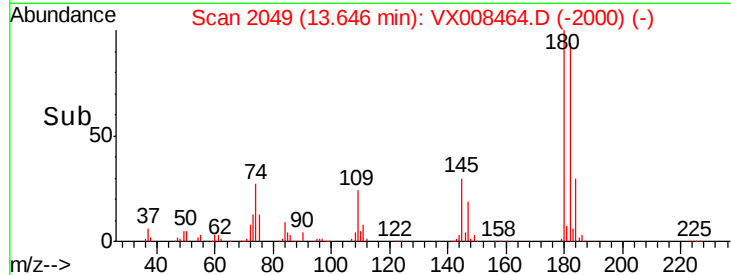
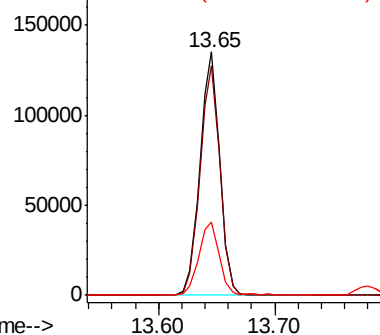
#93
 1,2,4-Trichlorobenzene
 Concen: 47.389 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Instrument :
 MSVOA_X
 ClientSampled :
 MW-104MS

Tot Ion:180 Resp: 158015
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 142.0
 145 31.8 15.3 45.8

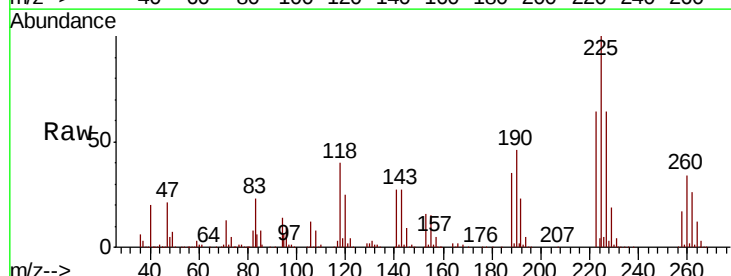


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

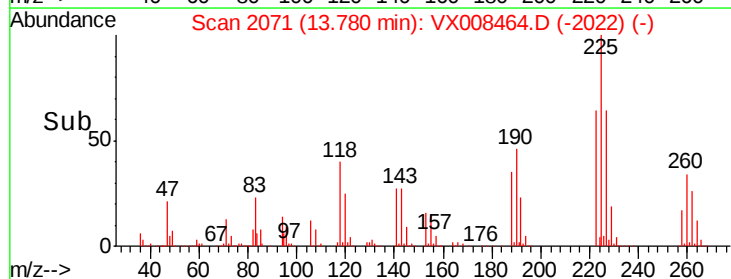
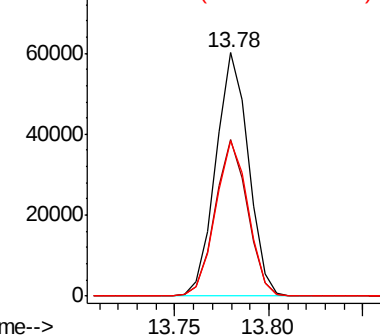


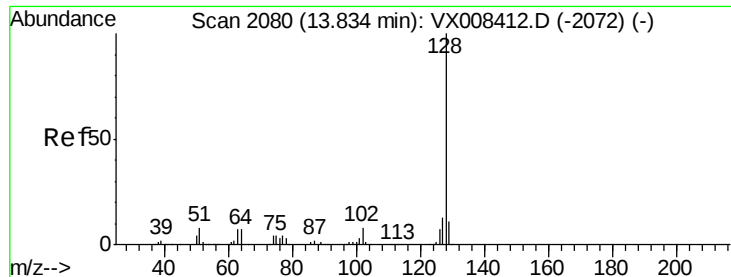
#94
 Hexachlorobutadiene
 Concen: 45.706 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008464.D
 Acq: 26 Mar 2019 19:08

Tgt Ion:225 Resp: 72366
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.0
 227 63.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

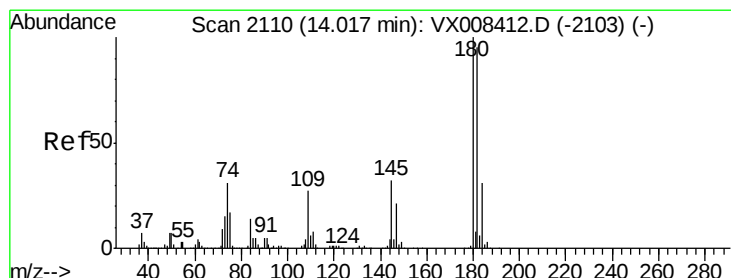
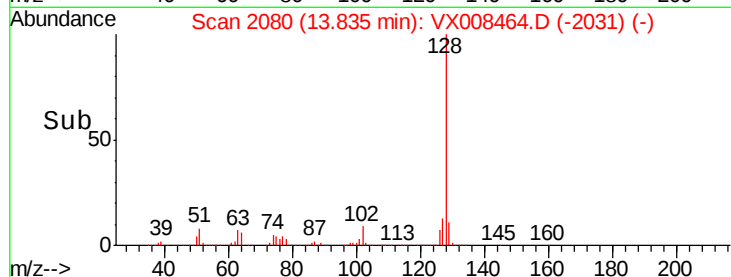
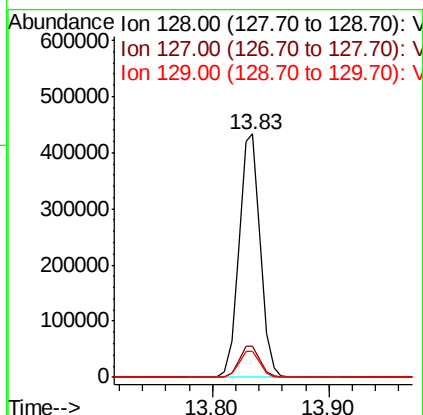
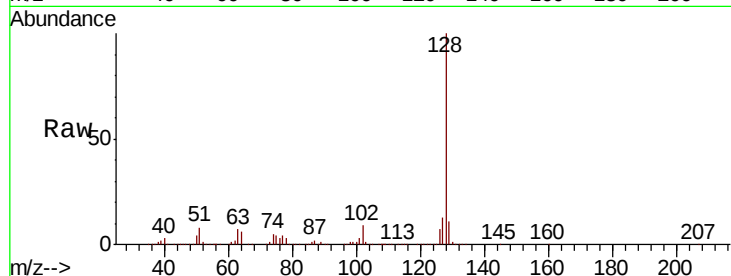




#95
Naphthalene
Concen: 47.696 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :
MW-104MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.274 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008464.D
Acq: 26 Mar 2019 19:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	33.5	16.2	48.5

