

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010249.D
 Acq On : 12 Jun 2019 14:38
 Operator : JC/SP
 Sample : K3309-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

Quant Time: Jun 13 01:26:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	441382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214434	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	144510	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	5.50	113	148352	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	563647	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	198631	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	867	0.296	ug/l	87
3) Chloromethane	1.33	50	632	0.217	ug/l #	79
4) Vinyl Chloride	1.41	62	734	0.268	ug/l #	1
6) Chloroethane	1.73	64	10157	7.368	ug/l	91
8) Diethyl Ether	2.19	74	12932	9.238	ug/l	76
11) Tert butyl alcohol	3.02	59	114305	150.153	ug/l #	82
13) Acrolein	2.26	56	135	0.973	ug/l #	1
16) Acetone	2.44	43	2380	1.628	ug/l #	83
17) Carbon Disulfide	2.57	76	1950	0.236	ug/l	96
18) Methyl Acetate	2.60	43	4210	1.310	ug/l #	57
22) Diisopropyl ether	3.86	45	2056	0.249	ug/l #	57
24) 1,1-Dichloroethane	3.70	63	3384	0.675	ug/l #	89
25) 2-Butanone	4.70	43	5582	2.565	ug/l	92
26) 2,2-Dichloropropane	4.69	77	9720	2.126	ug/l #	53
29) Tetrahydrofuran	5.13	42	17503	12.796	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	18293	4.631	ug/l #	52
37) Ethyl Acetate	4.79	43	3371	0.820	ug/l #	71
38) Carbon Tetrachloride	5.66	117	27323	6.111	ug/l #	17
40) Benzene	6.15	78	56026	4.587	ug/l	97
41) Methacrylonitrile	5.13	41	9437	4.245	ug/l #	53
43) Isopropyl Acetate	6.45	43	6268	0.912	ug/l #	73
49) 1,4-Dioxane	7.74	88	89578	977.632	ug/l #	76
52) Toluene	8.78	92	33870	4.218	ug/l	99
59) 2-Hexanone	9.30	43	12252	3.743	ug/l	86
65) Chlorobenzene	10.14	112	1849450	203.018	ug/l	99
67) Ethyl Benzene	10.25	91	5395	0.348	ug/l #	86
68) m/p-Xylenes	10.36	106	9384	1.564	ug/l	91
69) o-Xylene	10.69	106	4534	0.760	ug/l	83
70) Styrene	10.73	104	7436	0.736	ug/l #	25
73) Isopropylbenzene	11.02	105	10694	0.714	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	92239	21.505	ug/l #	34
78) n-propylbenzene	11.36	91	8174	0.490	ug/l	89
79) 2-Chlorotoluene	11.42	91	9054	0.905	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	2539	0.201	ug/l	95

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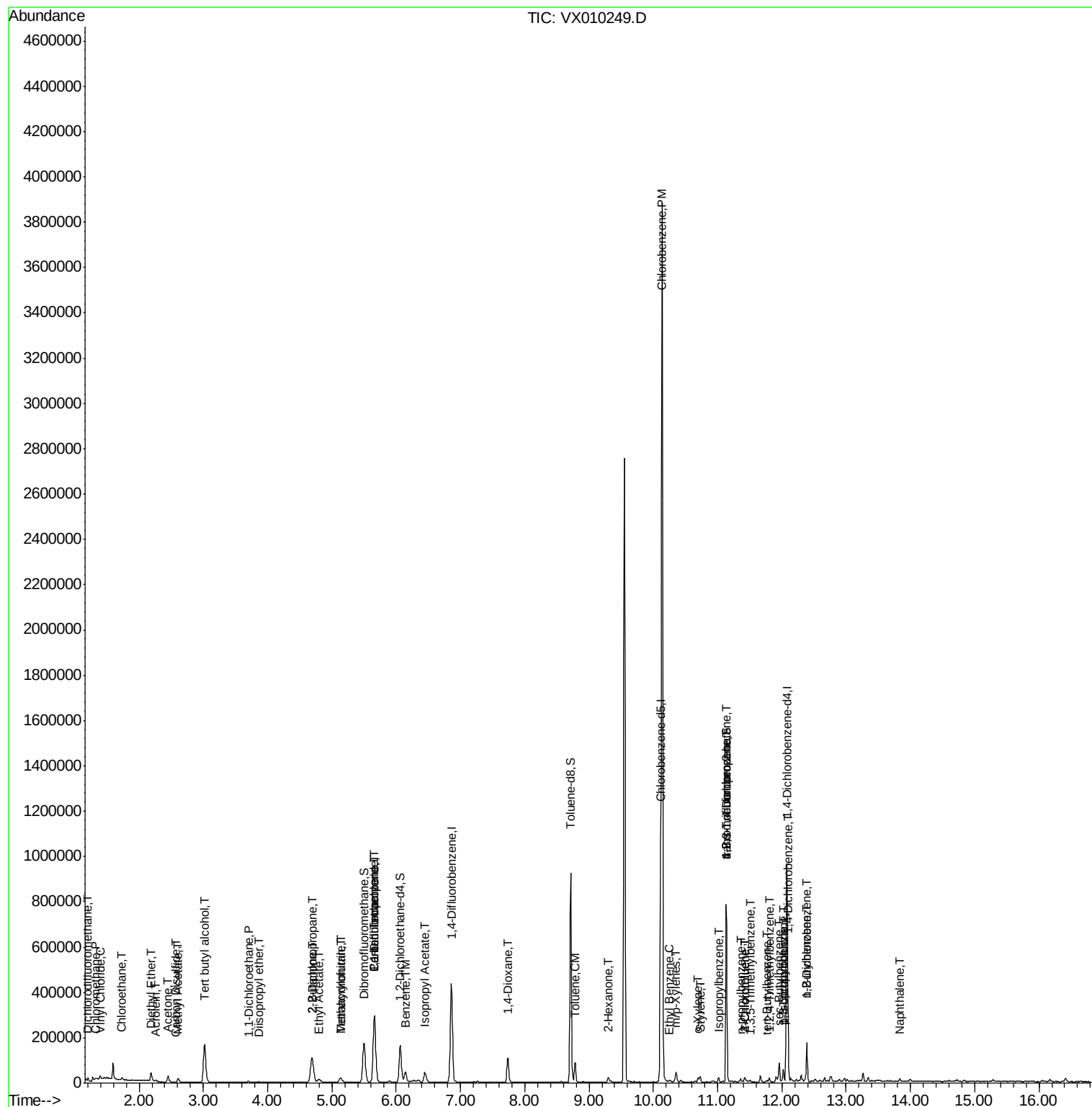
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.13	75	92239	47.515	ug/l #	10
82) 4-Chlorotoluene	11.42	91	9054	0.796	ug/l	85
83) tert-Butylbenzene	11.77	119	3242	0.254	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	8855	0.695	ug/l	97
85) sec-Butylbenzene	11.94	105	5896	0.397	ug/l	99
86) p-Isopropyltoluene	12.02	119	2784	0.205	ug/l	88
87) 1,3-Dichlorobenzene	12.02	146	15674	2.162	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	107822	14.752	ug/l	99
89) n-Butylbenzene	12.38	91	4555	0.389	ug/l #	67
91) 1,2-Dichlorobenzene	12.39	146	57167	8.110	ug/l	97
95) Naphthalene	13.83	128	6056	0.373	ug/l #	92

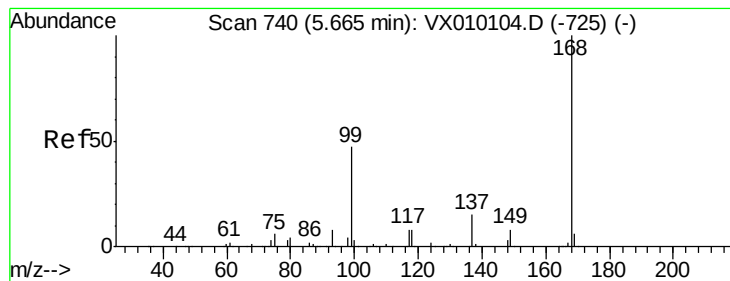
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

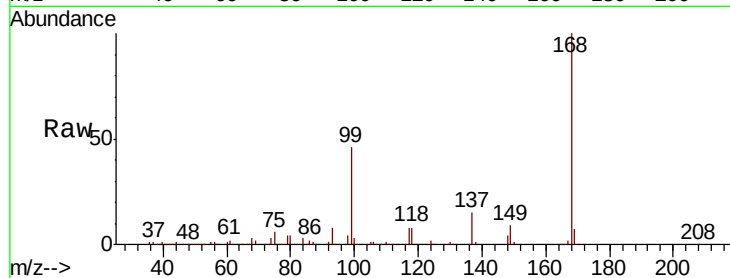
SS043MW011-190611

Tot Ion:168 Resp: 318357

Ion Ratio Lower Upper

168 100

99 46.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

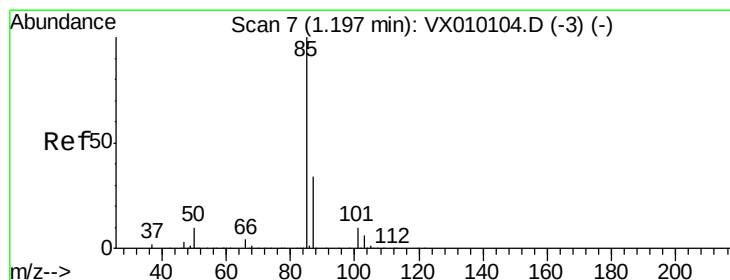
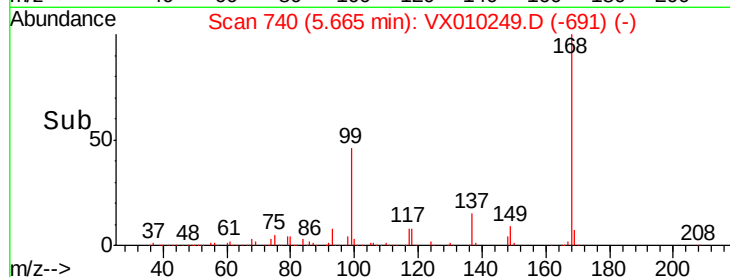
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.296 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010249.D

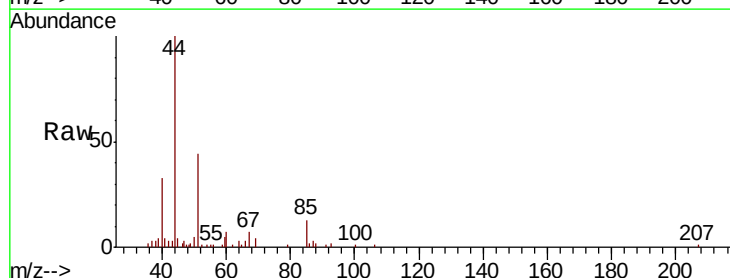
Acq: 12 Jun 2019 14:38

Tgt Ion: 85 Resp: 867

Ion Ratio Lower Upper

85 100

87 25.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

800

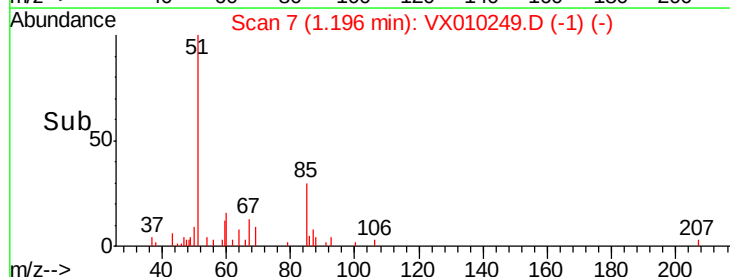
600

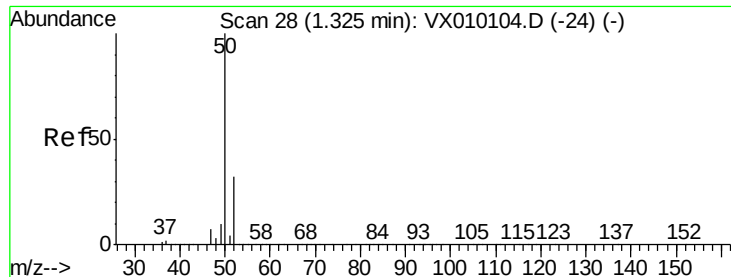
400

200

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

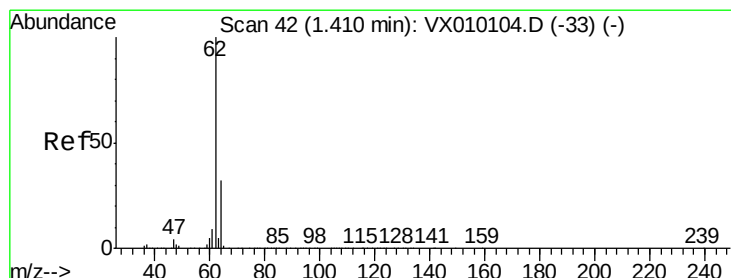
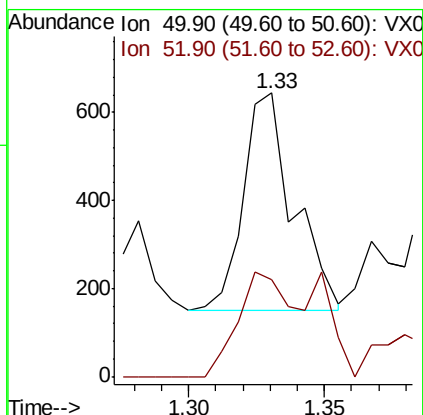
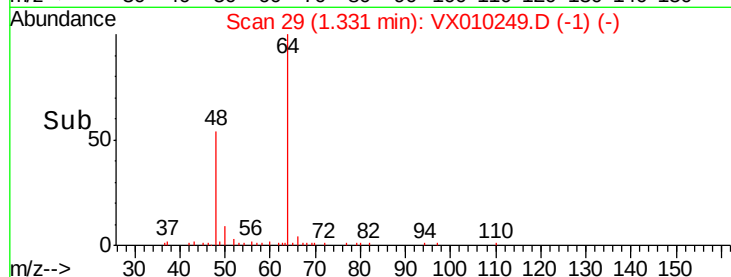
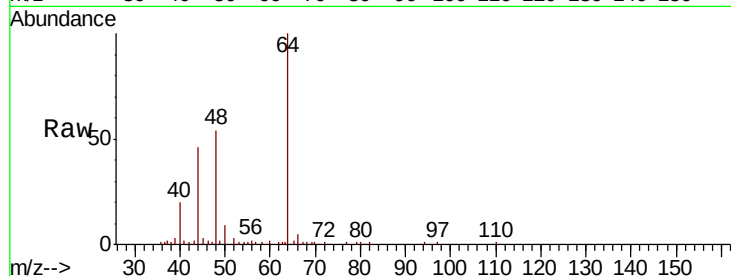
SS043MW011-190611

Tot Ion: 50 Resp: 632

Ion Ratio Lower Upper

50 100

52 44.5 26.0 39.0#



#4

Vinyl Chloride

Concen: 0.268 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010249.D

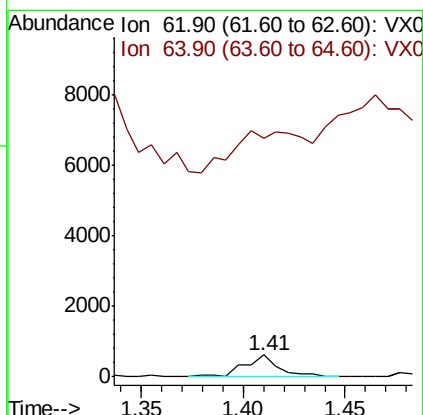
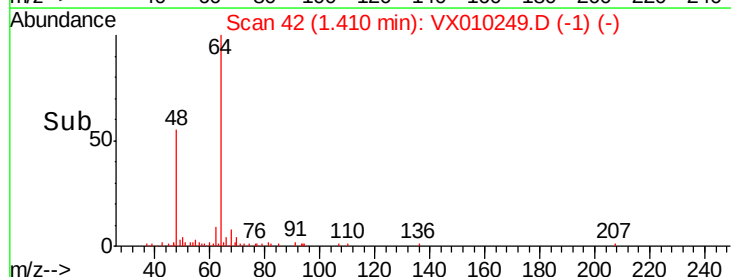
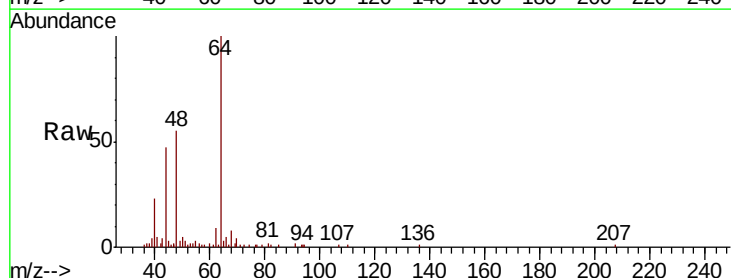
Acq: 12 Jun 2019 14:38

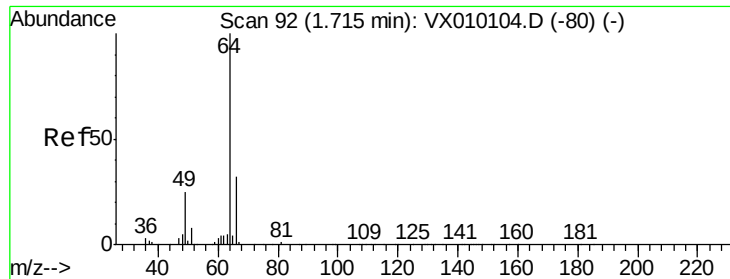
Tgt Ion: 62 Resp: 734

Ion Ratio Lower Upper

62 100

64 152.4 25.7 38.5#





#6

Chloroethane

Concen: 7.368 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

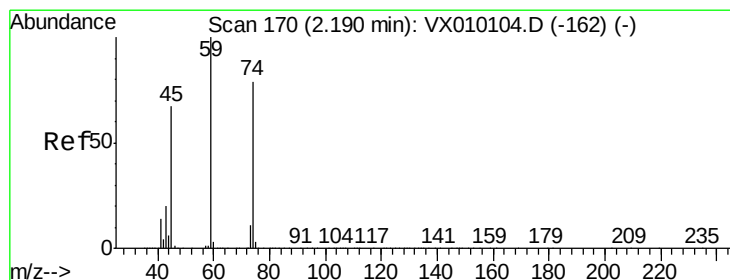
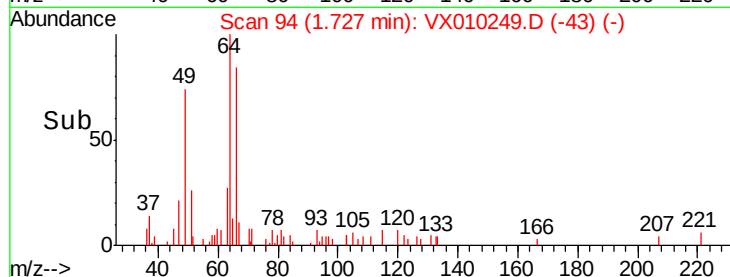
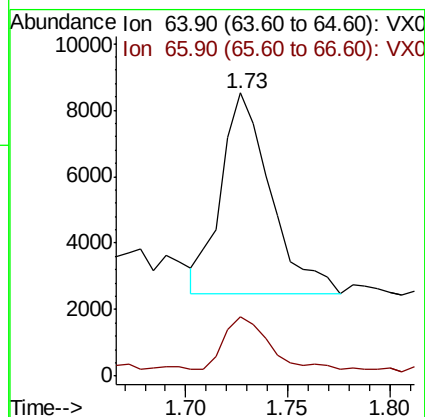
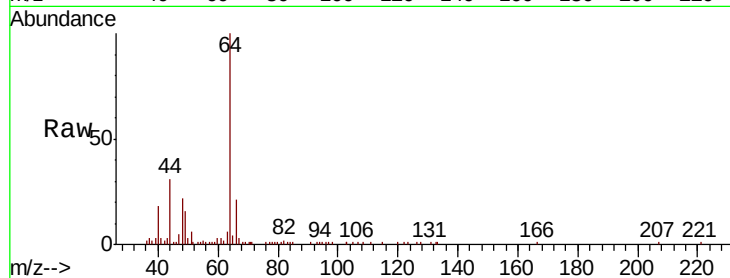
SS043MW011-190611

Tot Ion: 64 Resp: 10157

Ion Ratio Lower Upper

64 100

66 26.4 25.1 37.7



#8

Diethyl Ether

Concen: 9.238 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX010249.D

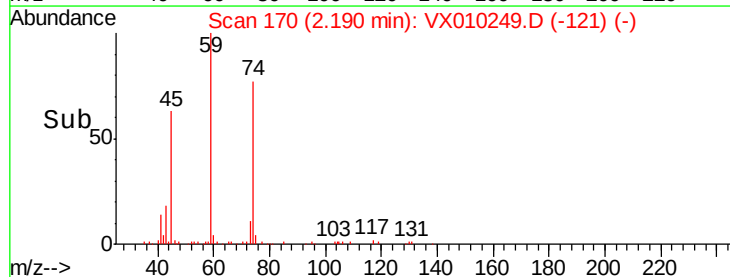
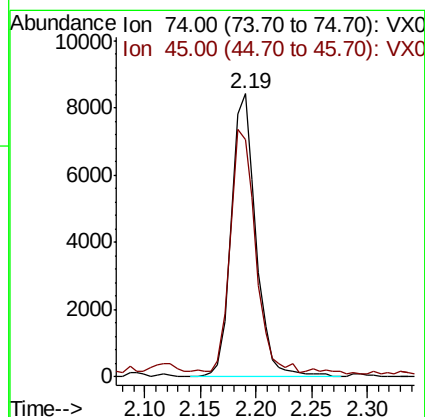
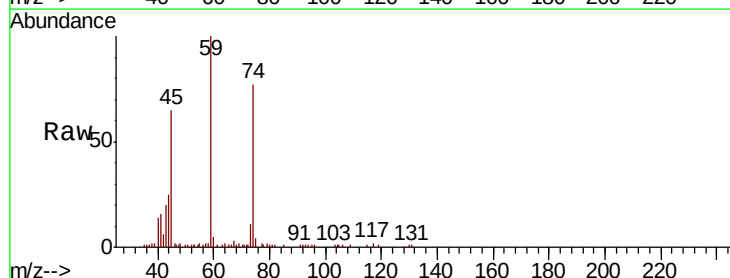
Acq: 12 Jun 2019 14:38

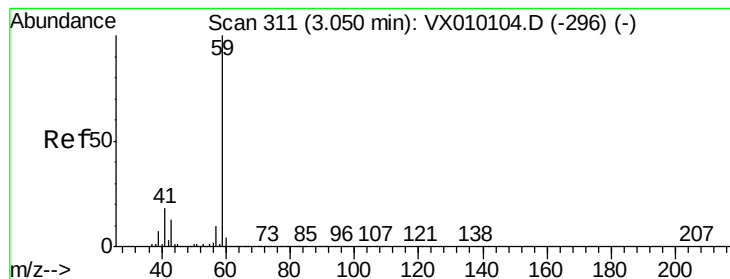
Tgt Ion: 74 Resp: 12932

Ion Ratio Lower Upper

74 100

45 86.5 56.1 168.3



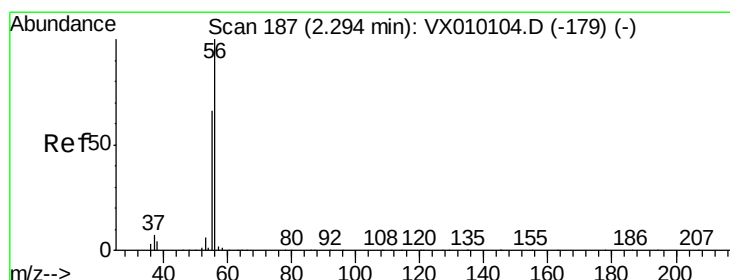
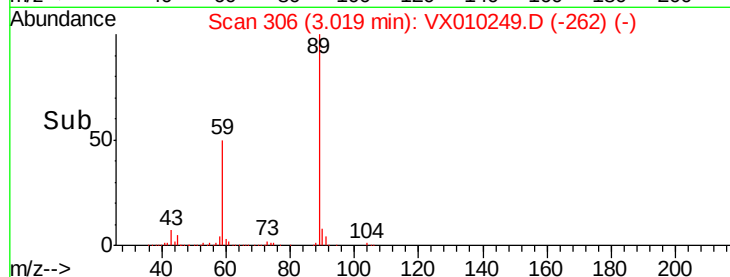
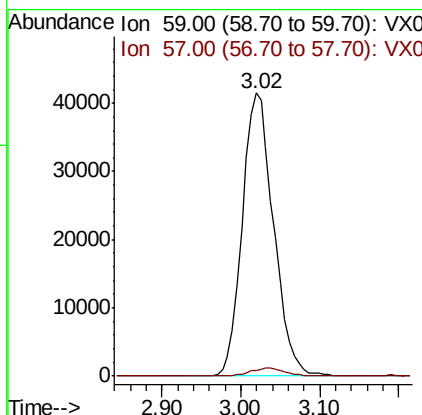
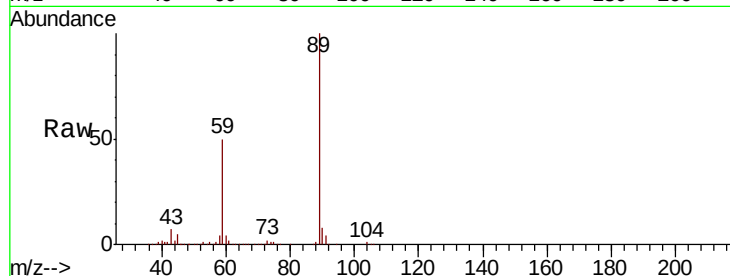


#11

Tert butyl alcohol
 Concen: 150.153 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

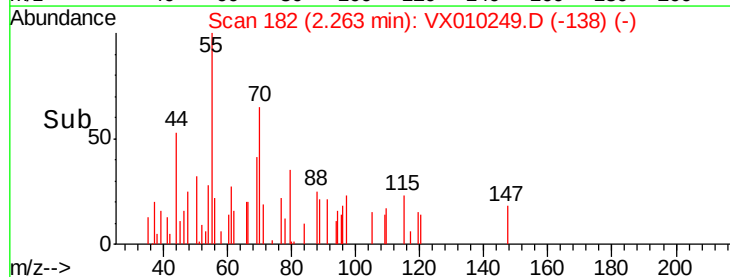
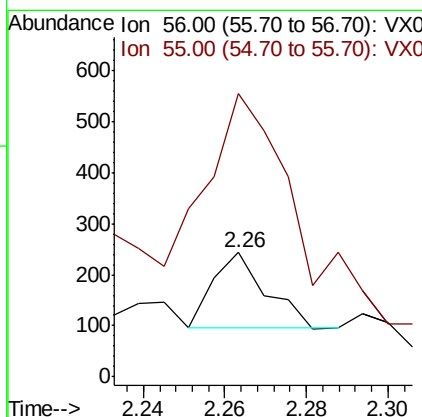
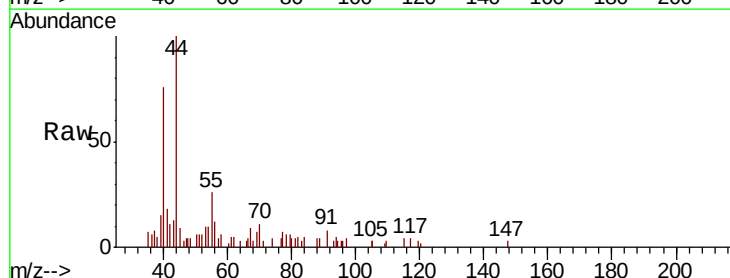
Tot Ion: 59 Resp: 114305
 Ion Ratio Lower Upper
 59 100
 57 3.5 8.2 12.2#

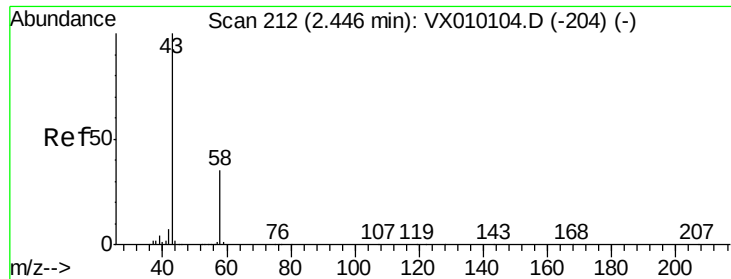


#13

Acrolein
 Concen: 0.973 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Tgt Ion: 56 Resp: 135
 Ion Ratio Lower Upper
 56 100
 55 515.6 57.0 85.4#





#16

Acetone

Concen: 1.628 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

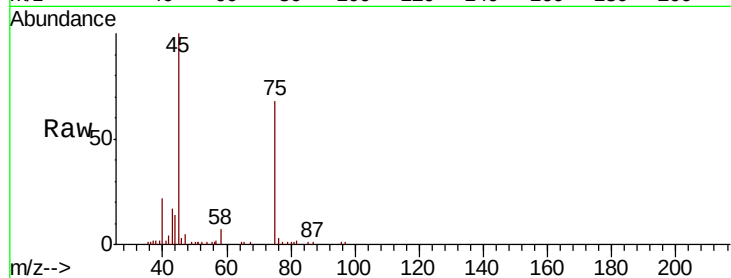
SS043MW011-190611

Tot Ion: 43 Resp: 2380

Ion Ratio Lower Upper

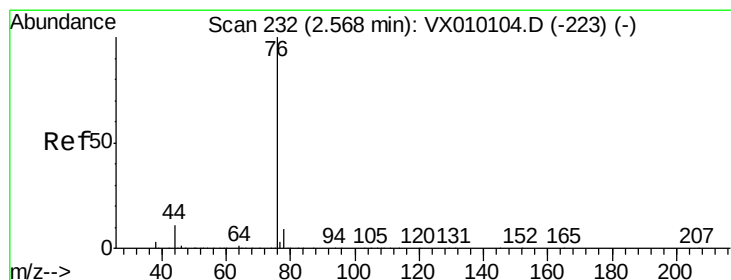
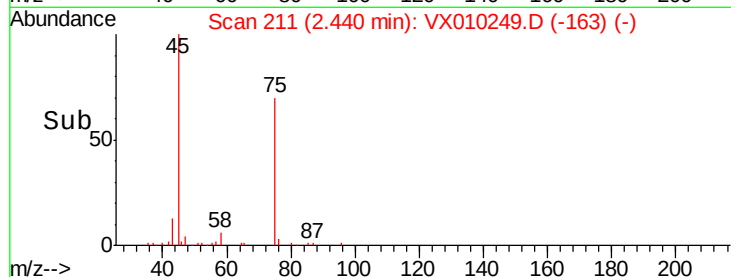
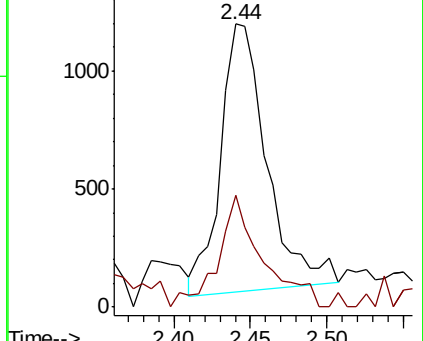
43 100

58 38.3 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.236 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010249.D

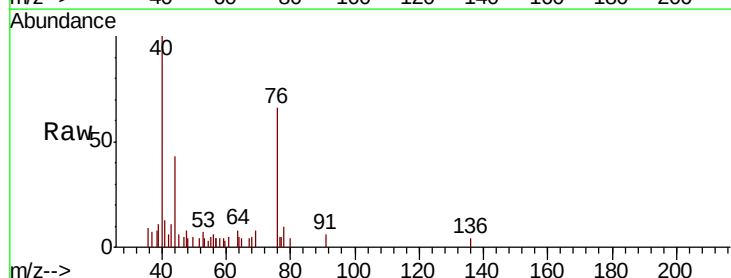
Acq: 12 Jun 2019 14:38

Tgt Ion: 76 Resp: 1950

Ion Ratio Lower Upper

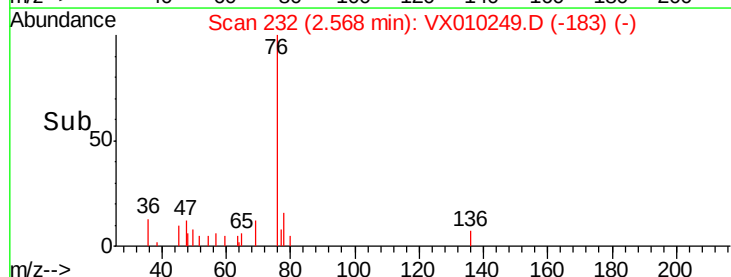
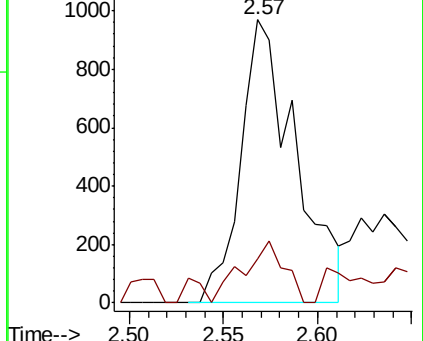
76 100

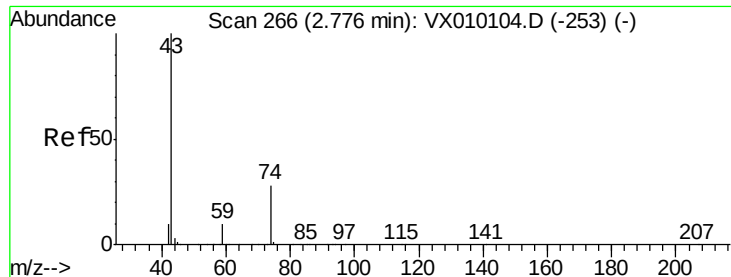
78 7.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

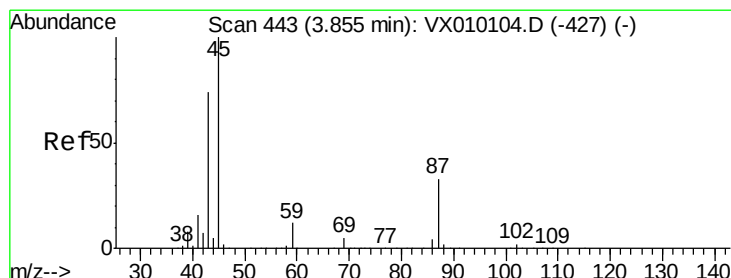
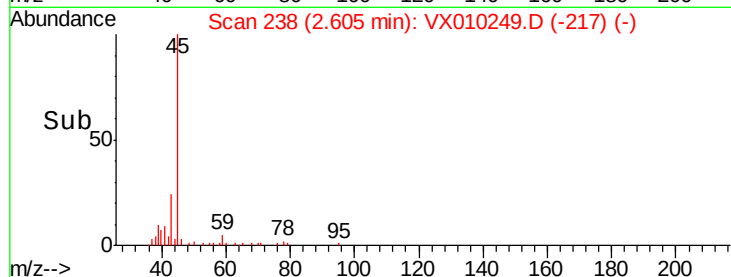
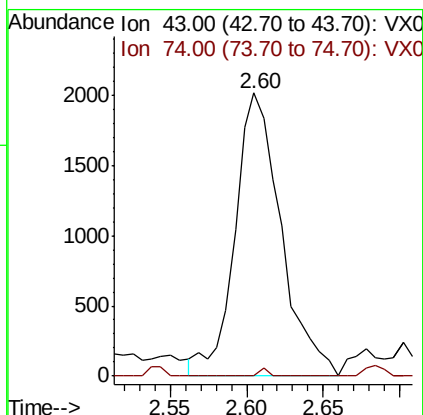
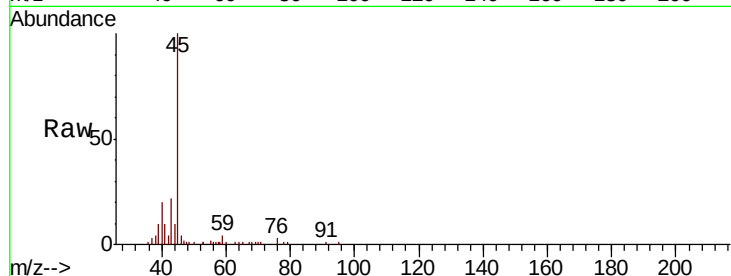




#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 2.60 min Scan# 238
Delta R.T. -0.17 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

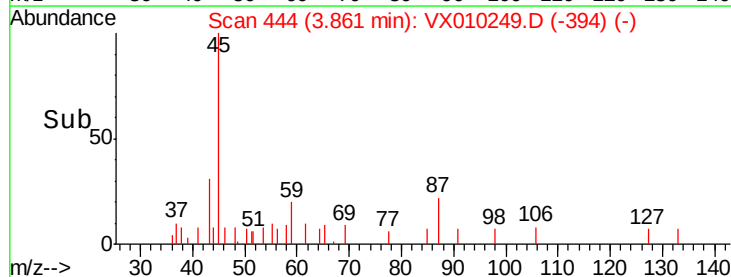
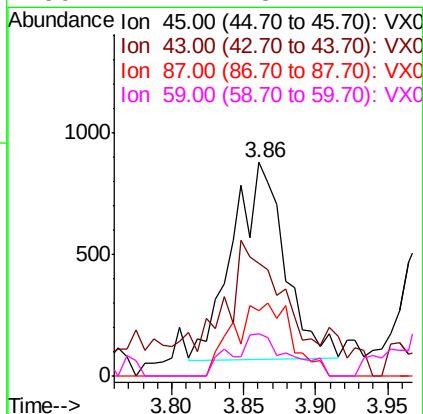
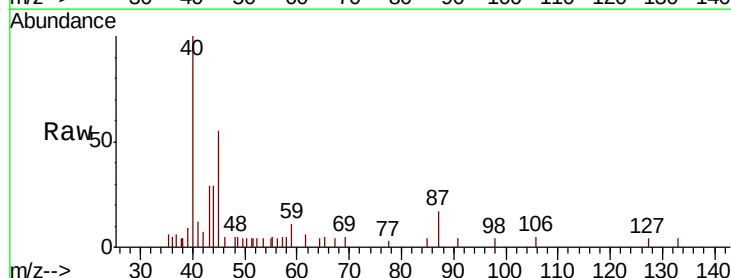
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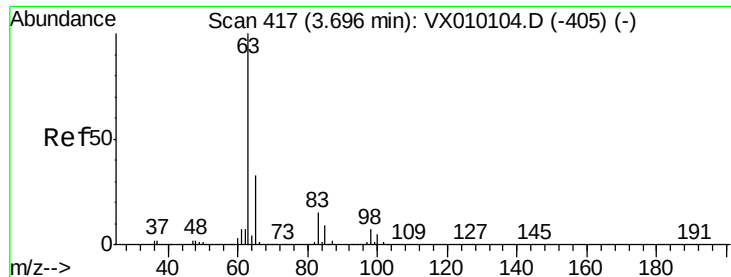
Tot Ion: 43 Resp: 4210
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.6#



#22
Diisopropyl ether
Concen: 0.249 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion: 45 Resp: 2056
Ion Ratio Lower Upper
45 100
43 37.5 65.0 97.4#
87 33.1 17.3 25.9#
59 21.7 8.1 12.1#





#24

1,1-Dichloroethane

Concen: 0.675 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611

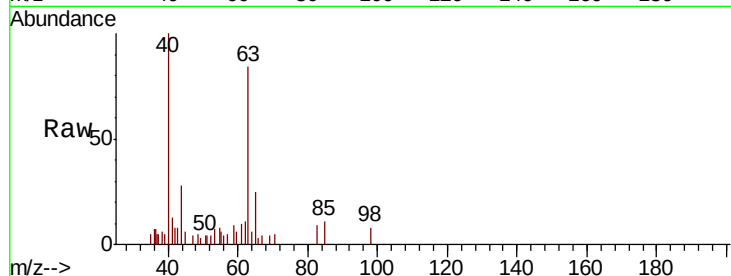
Tot Ion: 63 Resp: 3384

Ion Ratio Lower Upper

63 100

98 9.4 2.9 8.8#

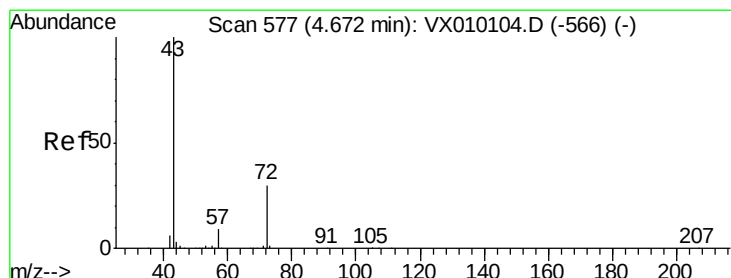
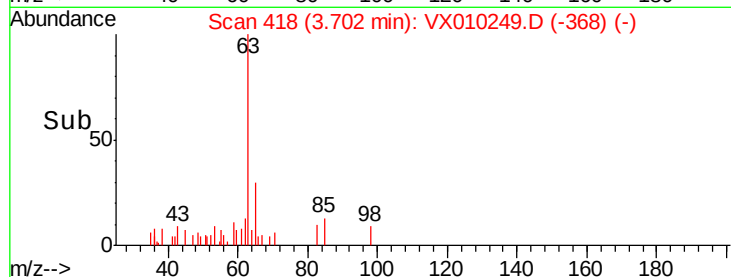
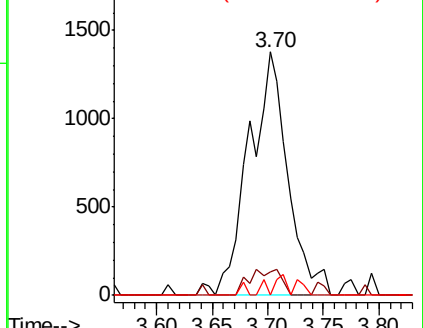
100 0.0 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 2.565 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010249.D

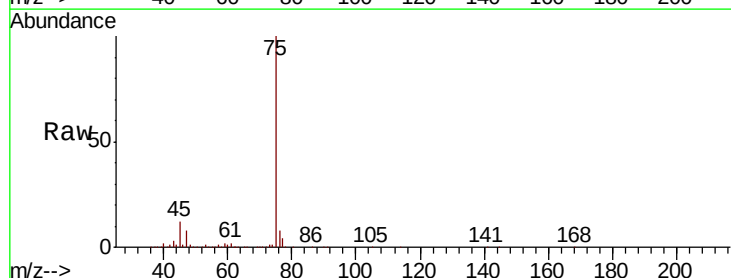
Acq: 12 Jun 2019 14:38

Tgt Ion: 43 Resp: 5582

Ion Ratio Lower Upper

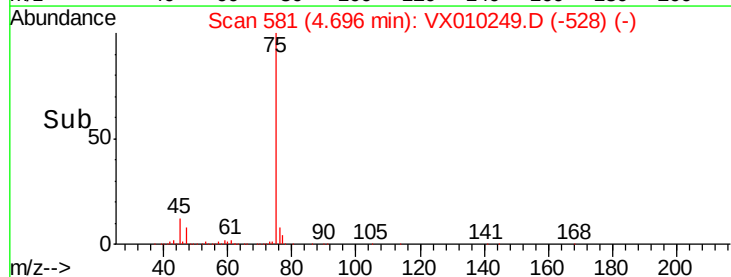
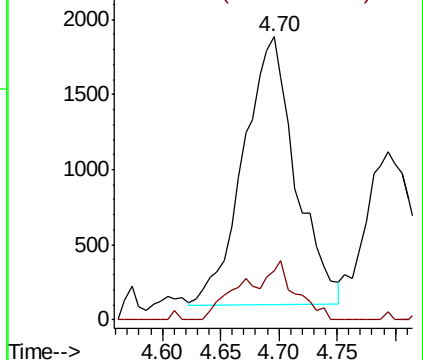
43 100

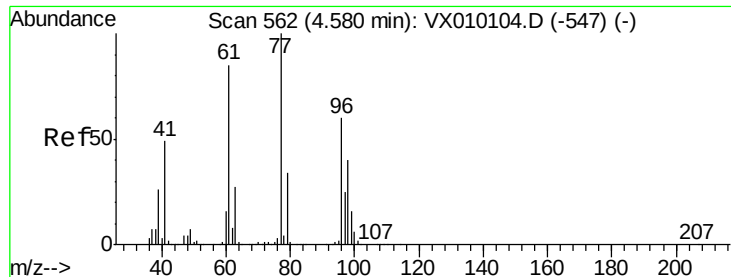
72 18.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 2.126 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.11 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

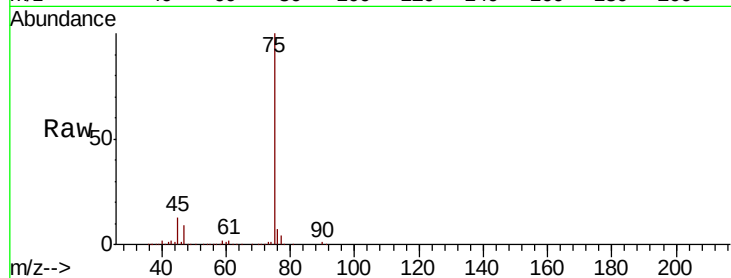
SS043MW011-190611

Tot Ion: 77 Resp: 9720

Ion Ratio Lower Upper

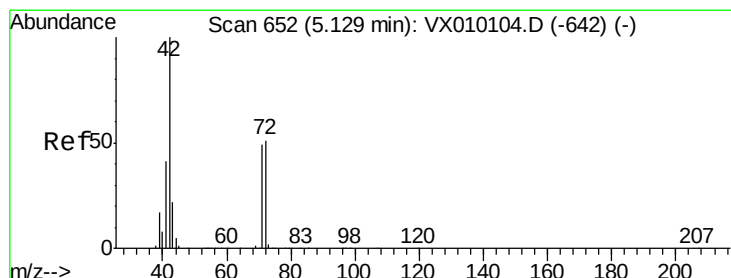
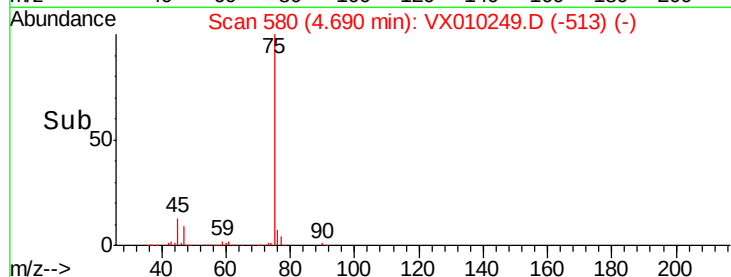
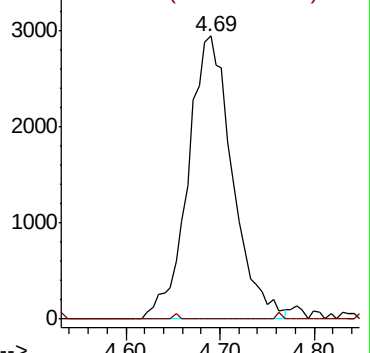
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 12.796 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

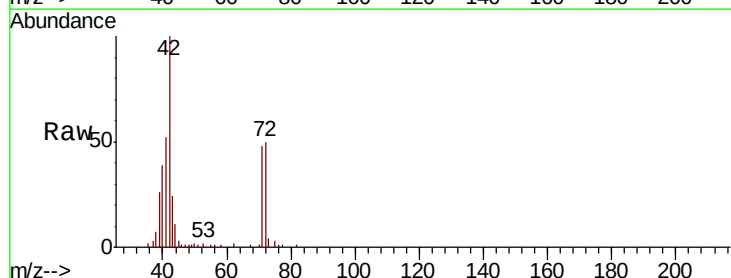
Tgt Ion: 42 Resp: 17503

Ion Ratio Lower Upper

42 100

72 51.0 29.2 43.8#

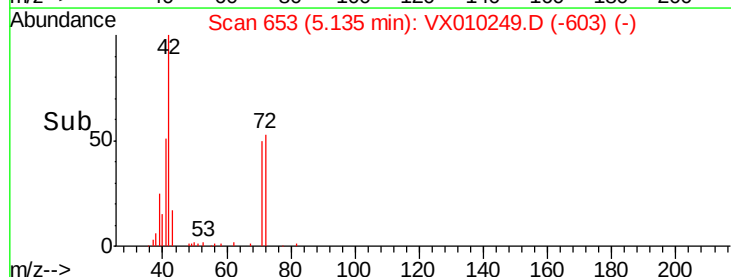
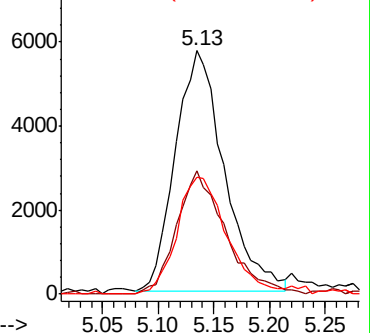
71 49.2 27.6 41.4#

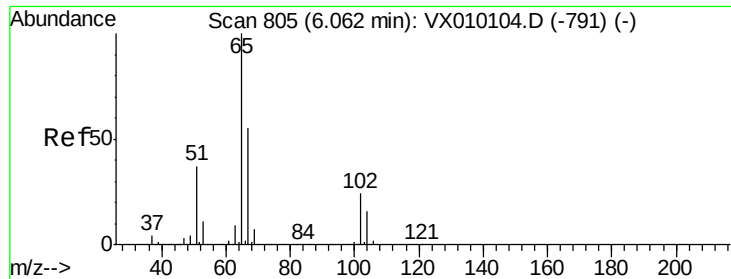


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

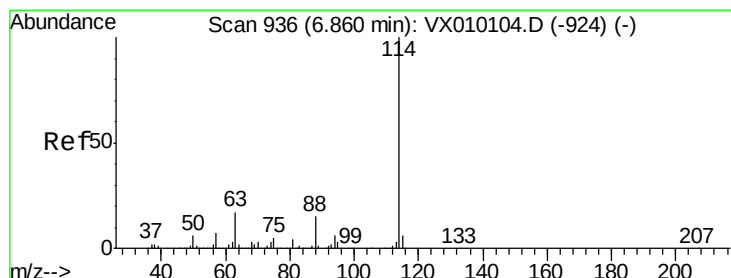
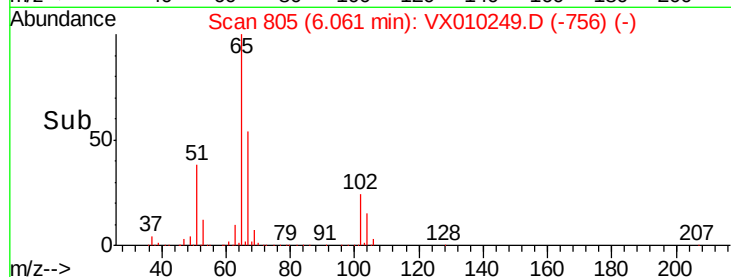
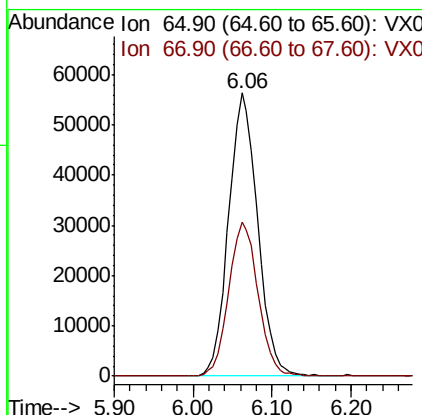
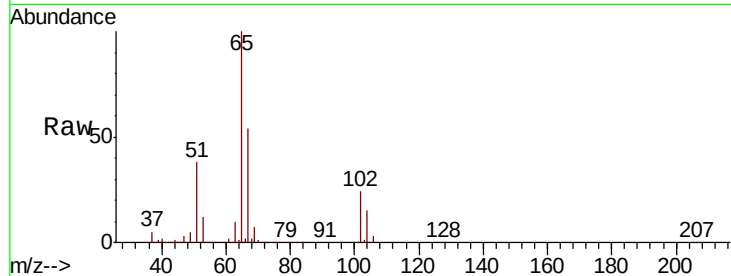




#33
 1,2-Dichloroethane-d4
 Concen: 46.503 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

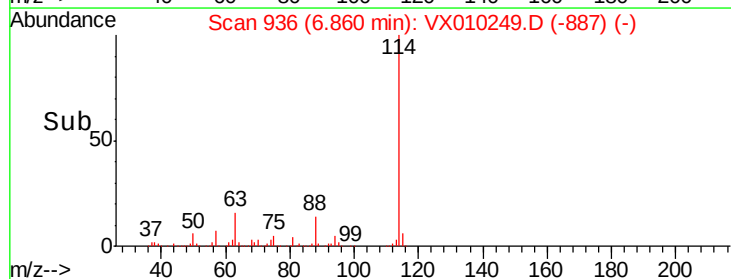
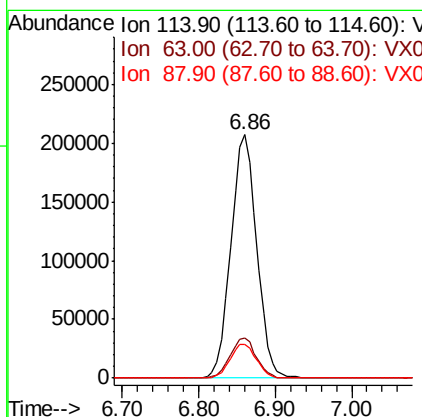
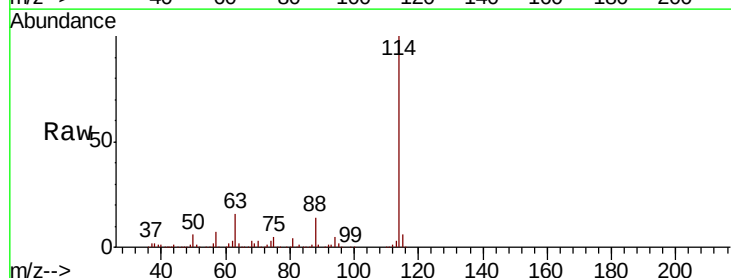
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

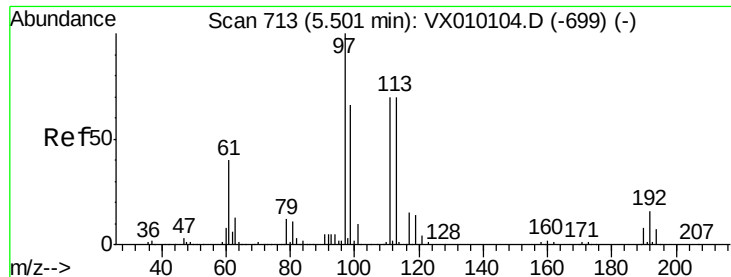
Tot Ion: 65 Resp: 144510
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Tgt Ion: 114 Resp: 484169
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 47.4
 88 14.0 0.0 33.0

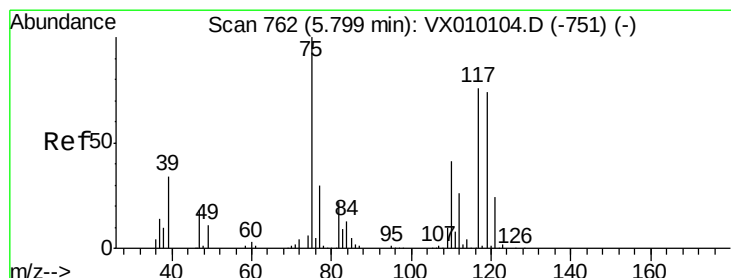
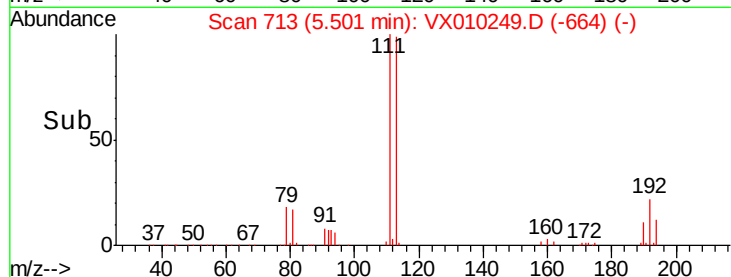
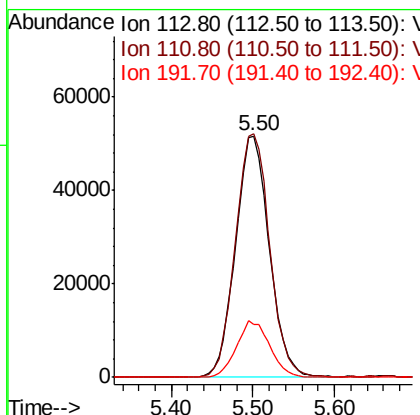
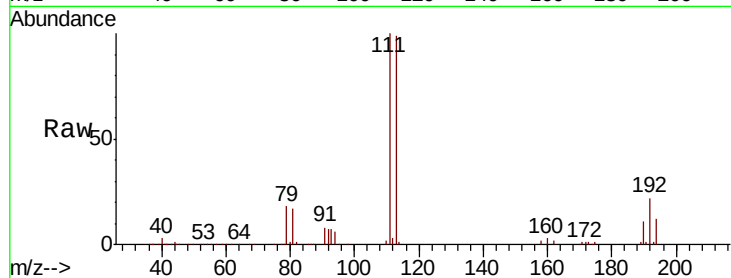




#35
 Dibromofluoromethane
 Concen: 49.675 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

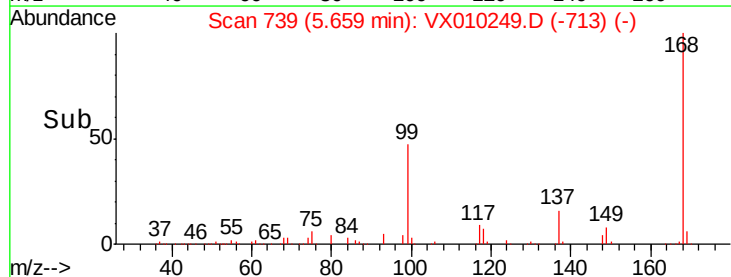
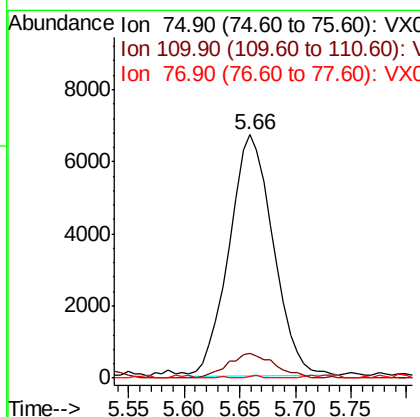
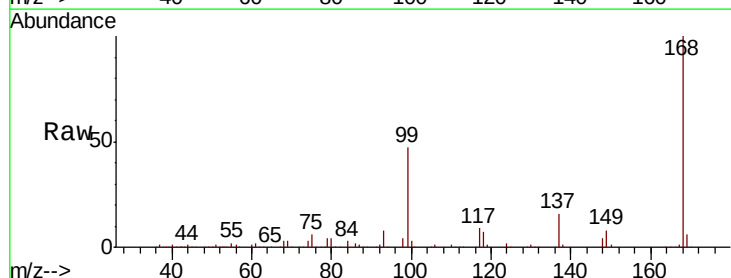
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

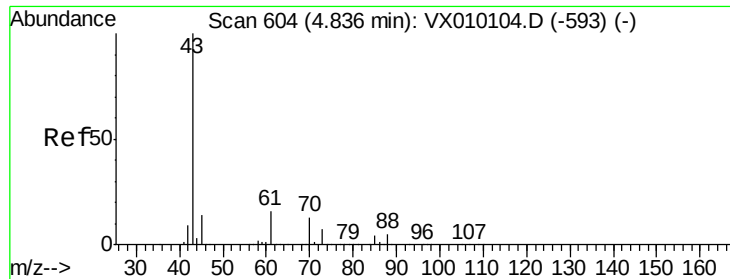
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	23.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	16.7	50.1#
77	0.3	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.820 ug/l

RT: 4.79 min Scan# 597

Delta R.T. -0.04 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611

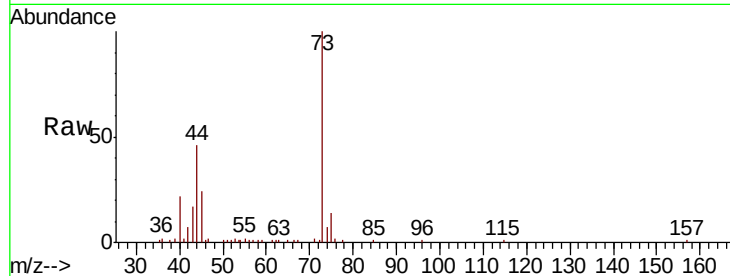
Tot Ion: 43 Resp: 3371

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

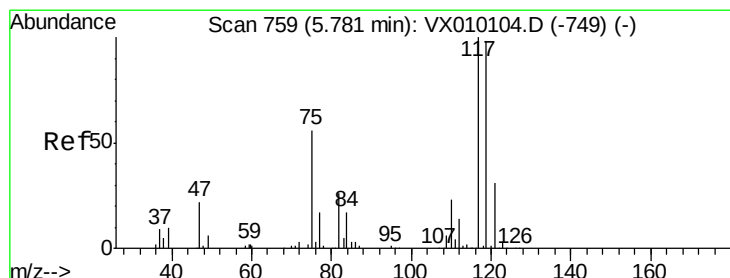
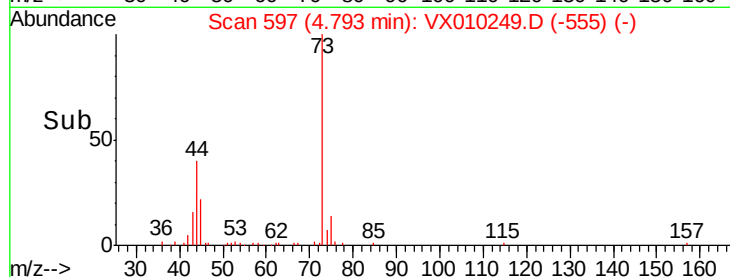
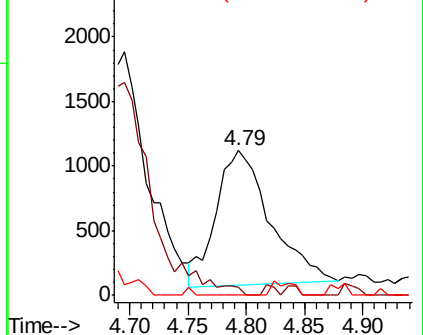
70 0.0 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

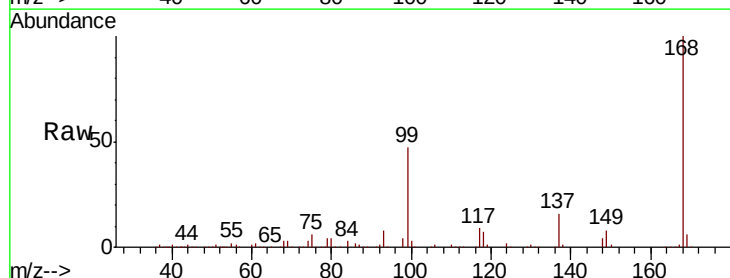
Tgt Ion: 117 Resp: 27323

Ion Ratio Lower Upper

117 100

119 6.5 77.3 115.9#

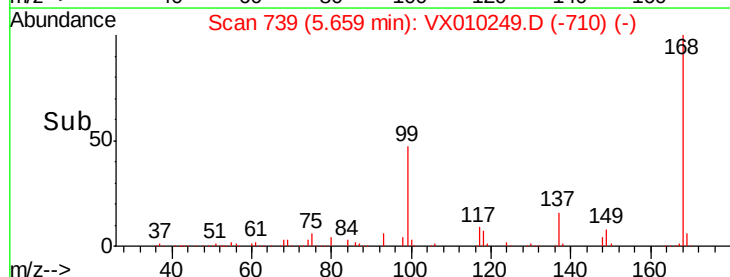
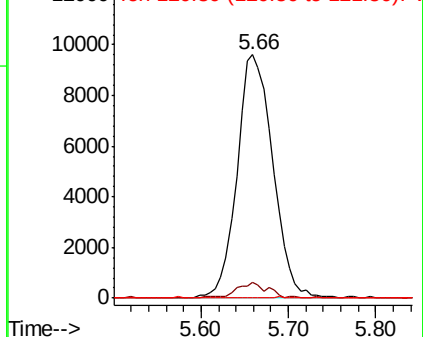
121 0.0 25.4 38.0#

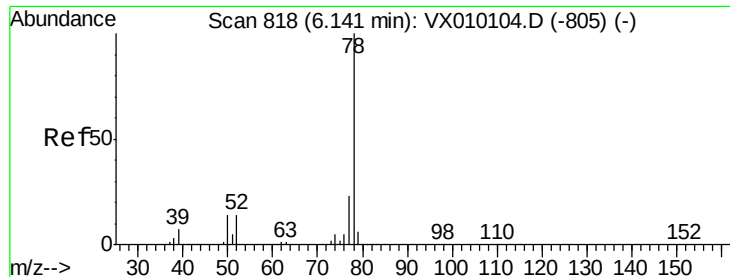


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 4.587 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

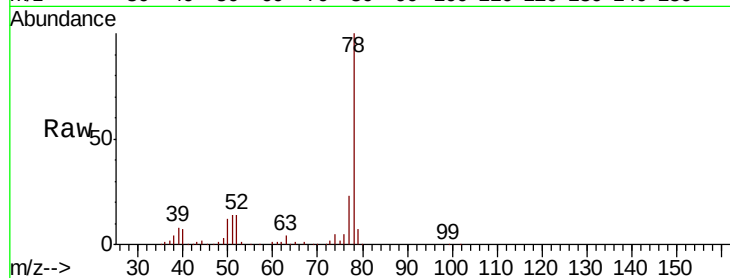
SS043MW011-190611

Tot Ion: 78 Resp: 56026

Ion Ratio Lower Upper

78 100

77 22.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

25000

20000

15000

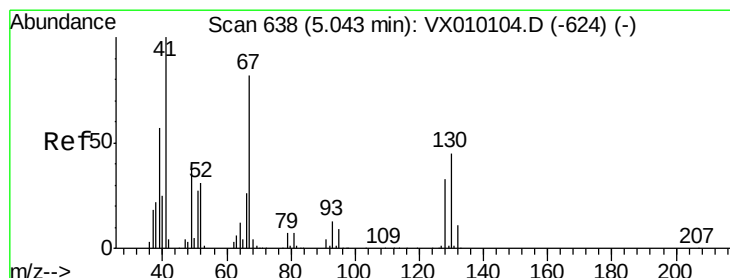
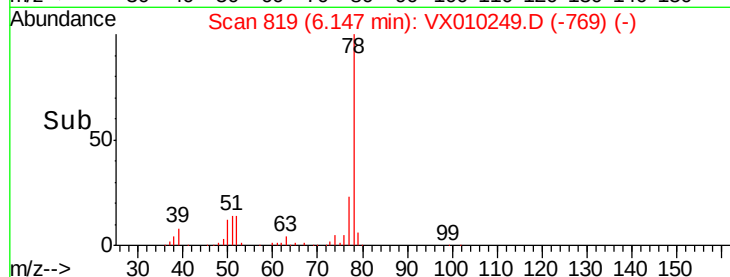
10000

5000

0

Time-->

6.00 6.10 6.20 6.30



#41

Methacrylonitrile

Concen: 4.245 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.09 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Tgt Ion: 41 Resp: 9437

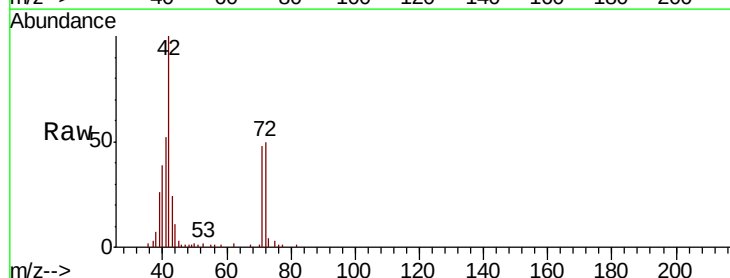
Ion Ratio Lower Upper

41 100

39 46.8 42.2 63.4

67 0.7 48.9 73.3#

52 0.0 20.1 30.1#



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

4000

3000

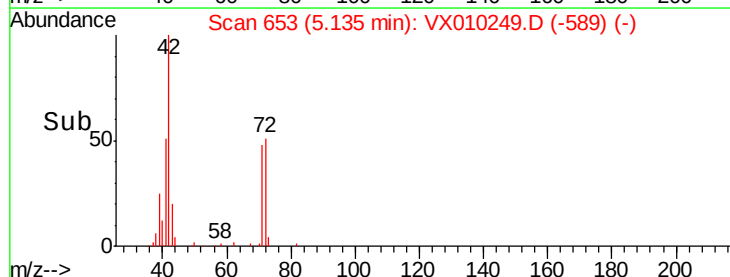
2000

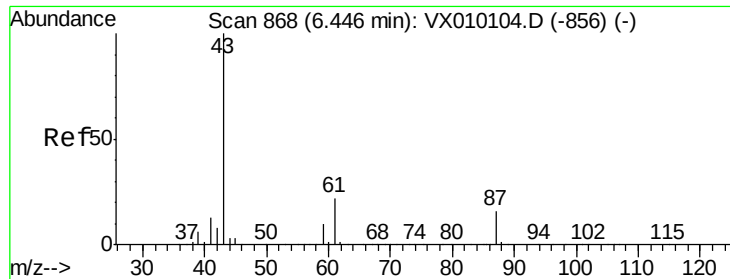
1000

0

Time-->

5.00 5.10 5.20





#43

Isopropyl Acetate

Concen: 0.912 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611

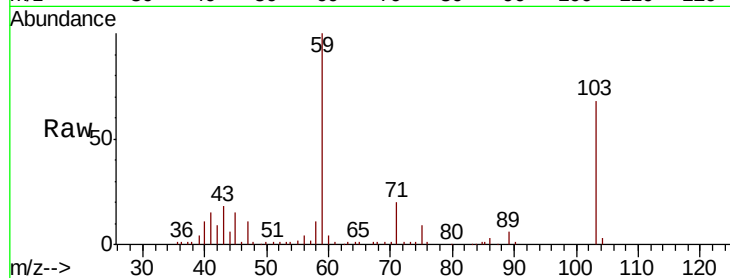
Tot Ion: 43 Resp: 6268

Ion Ratio Lower Upper

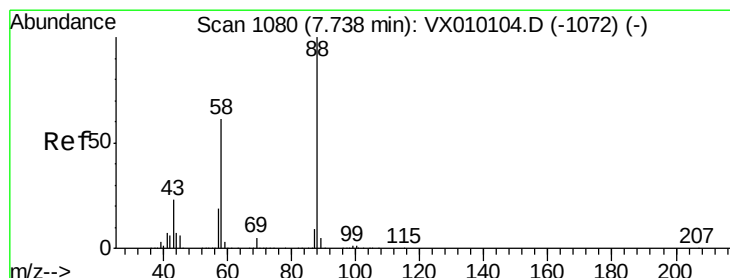
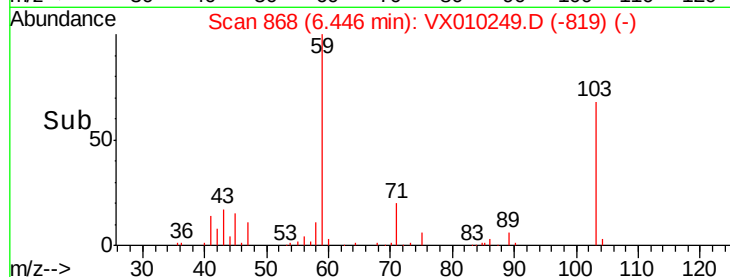
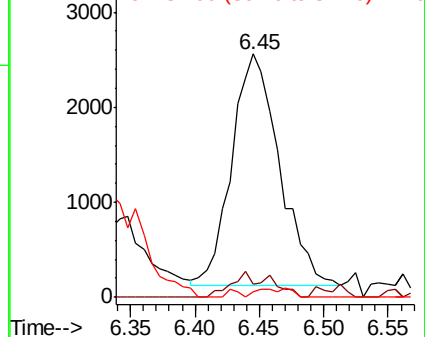
43 100

61 5.9 14.6 21.8#

87 1.6 8.7 13.1#



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



#49

1,4-Dioxane

Concen: 977.632 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

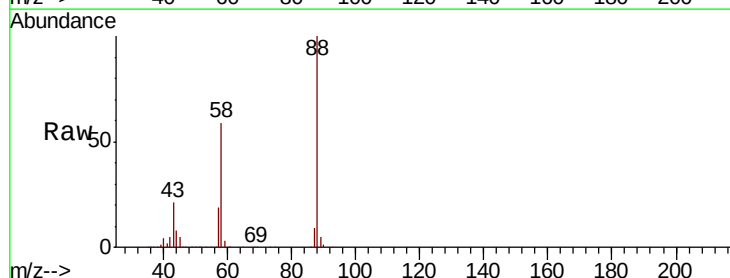
Tgt Ion: 88 Resp: 89578

Ion Ratio Lower Upper

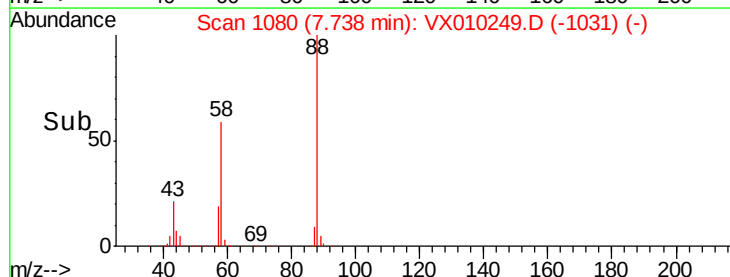
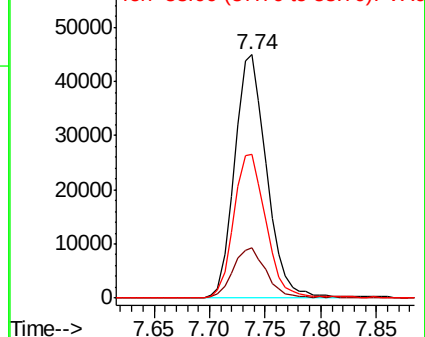
88 100

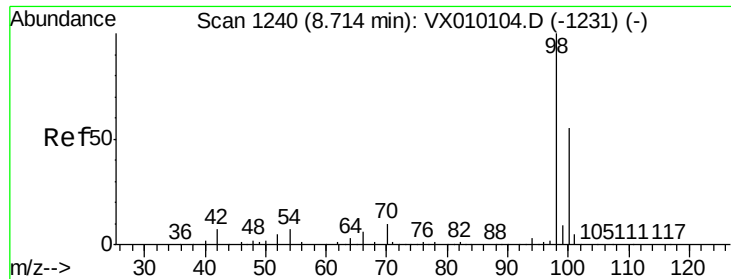
43 20.8 30.2 45.4#

58 60.3 64.0 96.0#



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: 50.358 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

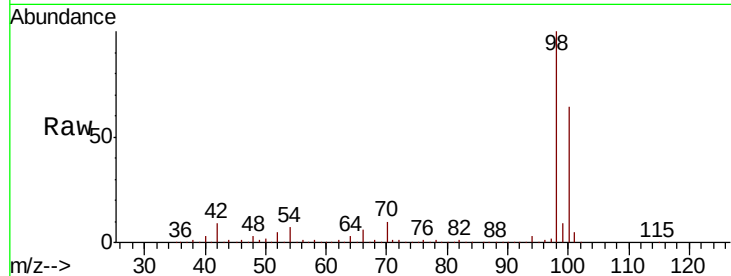
SS043MW011-190611

Tot Ion: 98 Resp: 563647

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

300000

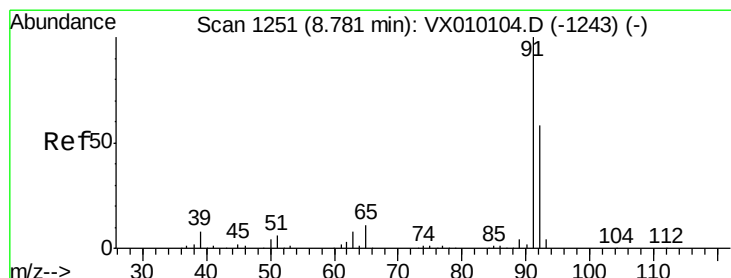
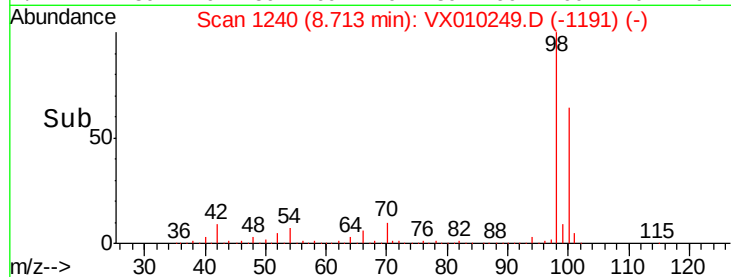
200000

100000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 4.218 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010249.D

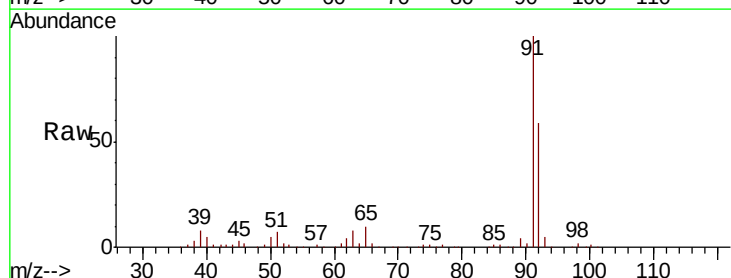
Acq: 12 Jun 2019 14:38

Tgt Ion: 92 Resp: 33870

Ion Ratio Lower Upper

92 100

91 175.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

40000

30000

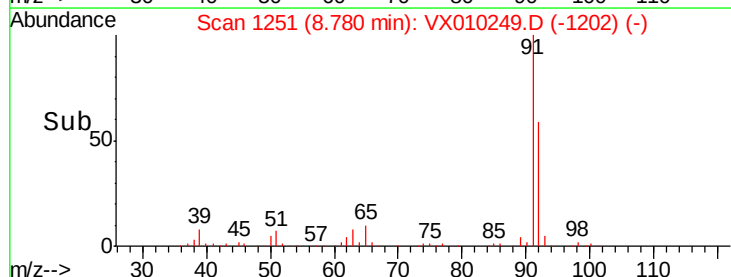
20000

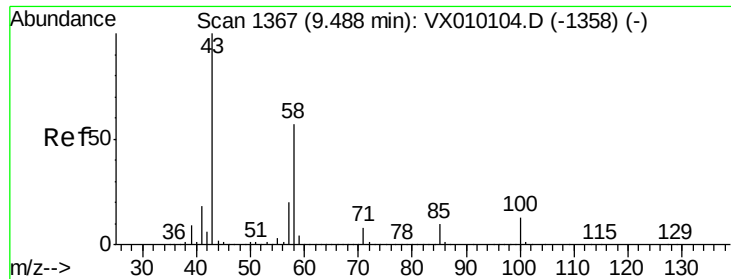
10000

0

8.70 8.75 8.80 8.85

Time-->





#59

2-Hexanone

Concen: 3.743 ug/l

RT: 9.30 min Scan# 1336

Delta R.T. -0.19 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

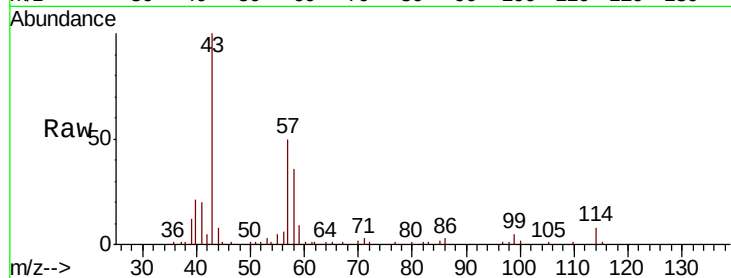
SS043MW011-190611

Tot Ion: 43 Resp: 12252

Ion Ratio Lower Upper

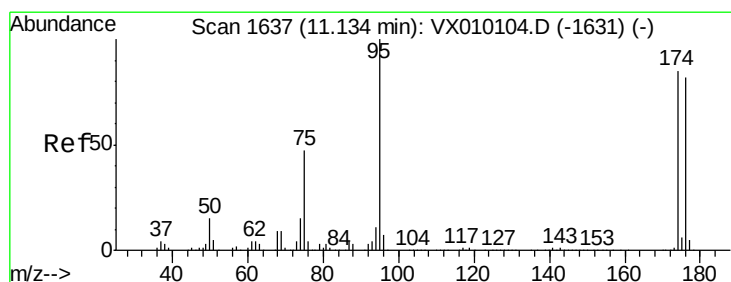
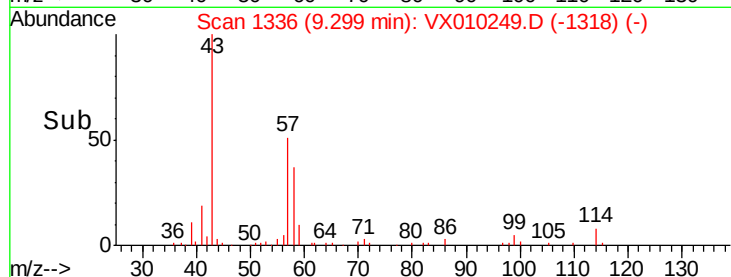
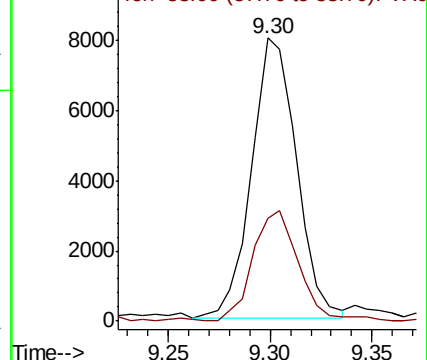
43 100

58 40.5 25.1 75.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

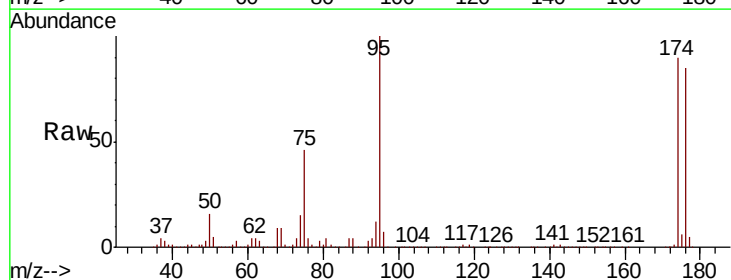
Tgt Ion: 95 Resp: 198631

Ion Ratio Lower Upper

95 100

174 95.3 0.0 160.4

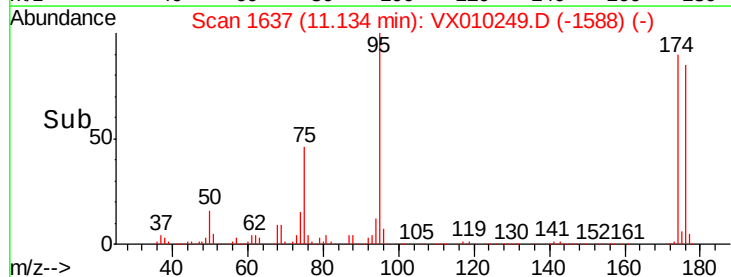
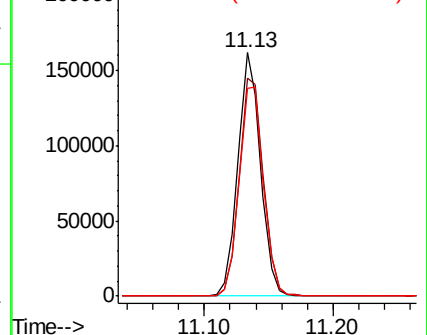
176 92.6 0.0 154.6

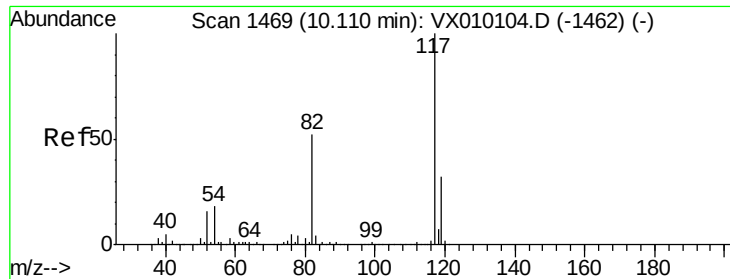


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

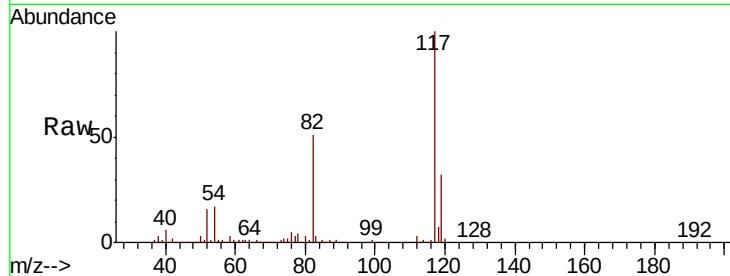




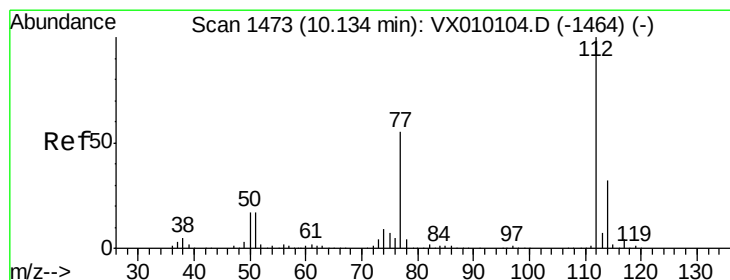
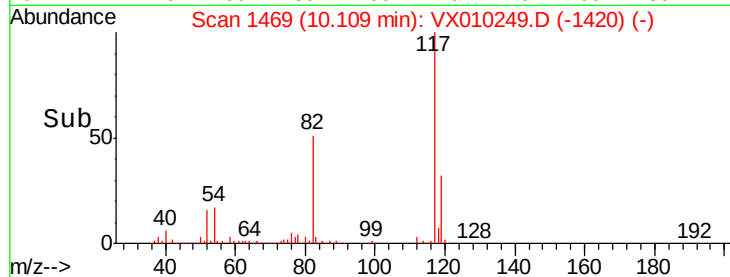
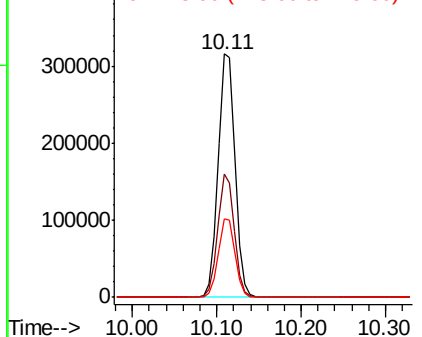
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

Tot Ion:117 Resp: 441382
Ion Ratio Lower Upper
117 100
82 50.9 49.2 73.8
119 32.3 25.2 37.8

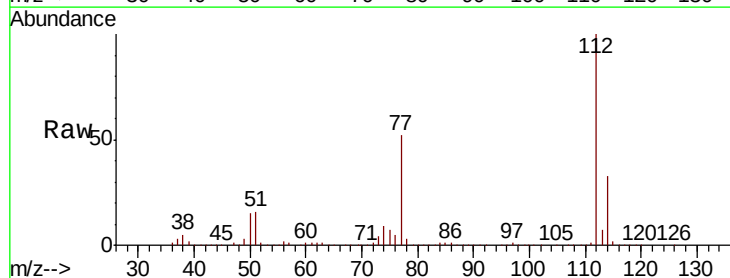


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

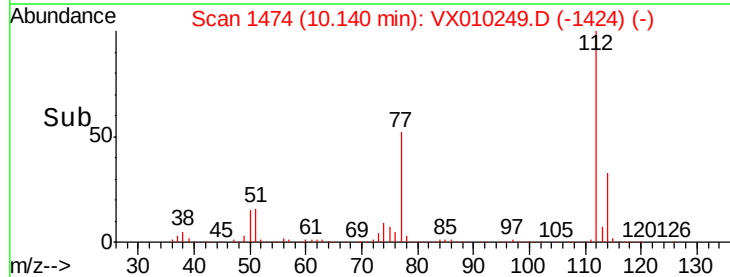
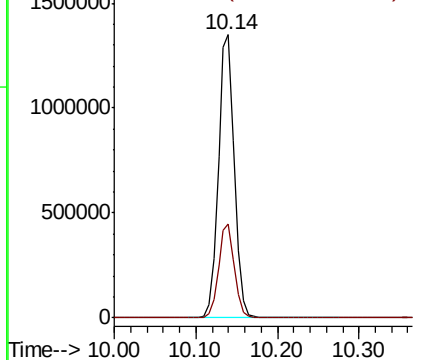


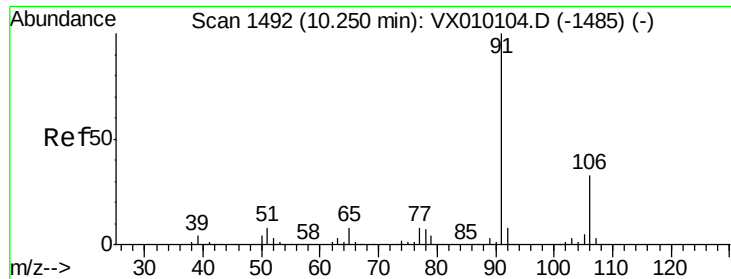
#65
Chlorobenzene
Concen: 203.018 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion:112 Resp: 1849450
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



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

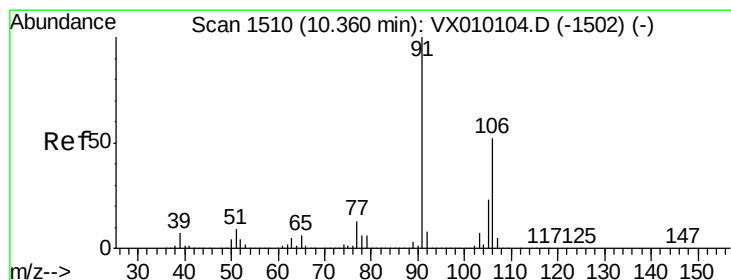
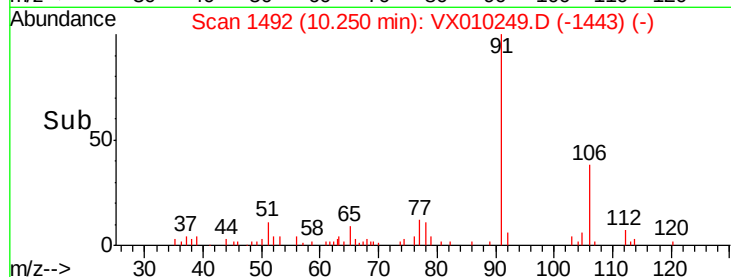
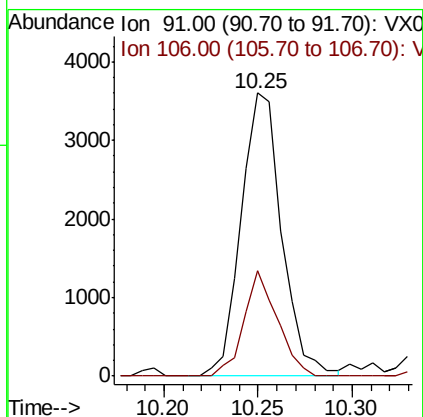
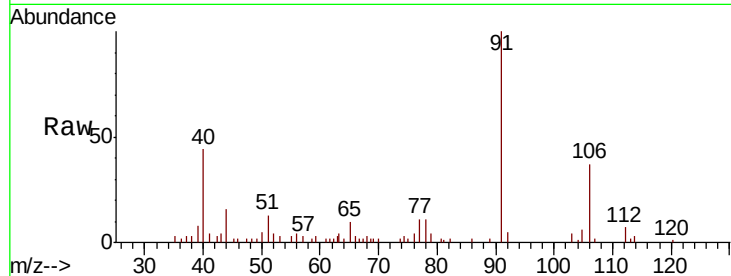




#67
Ethyl Benzene
Concen: 0.348 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

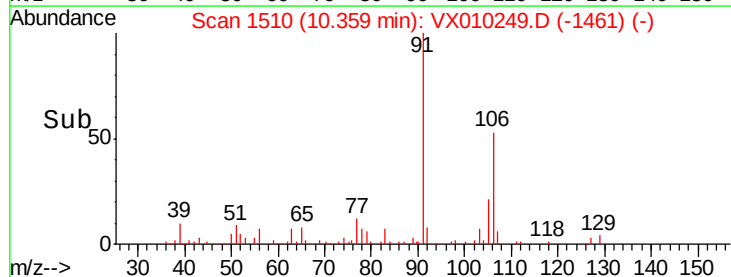
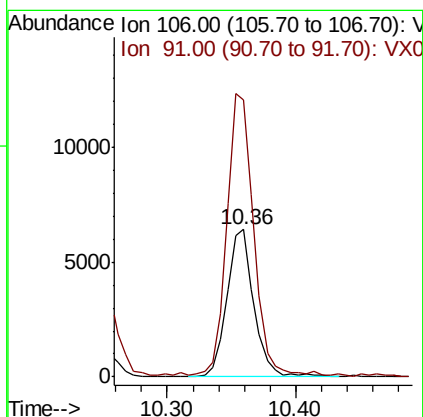
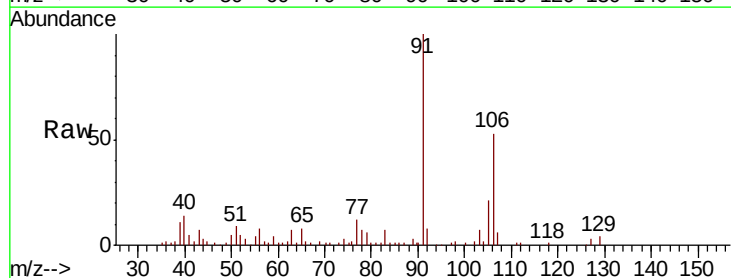
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

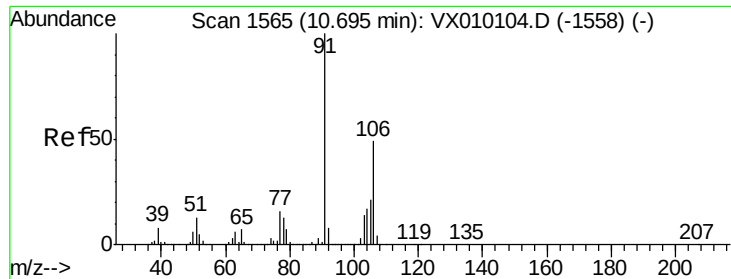
Tot Ion: 91 Resp: 5395
Ion Ratio Lower Upper
91 100
106 37.3 23.9 35.9#



#68
m/p-Xylenes
Concen: 1.564 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion: 106 Resp: 9384
Ion Ratio Lower Upper
106 100
91 195.3 167.3 250.9

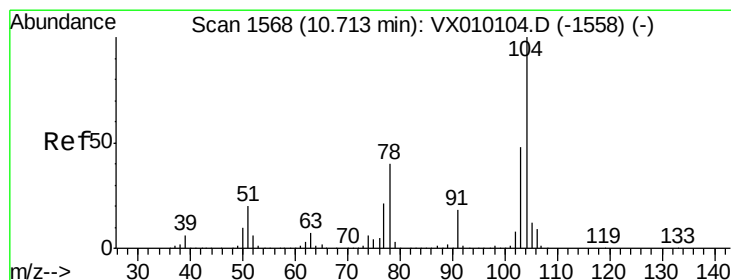
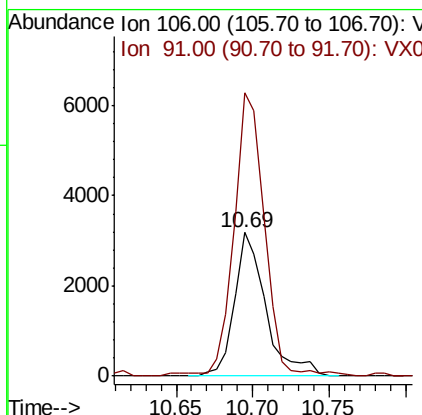
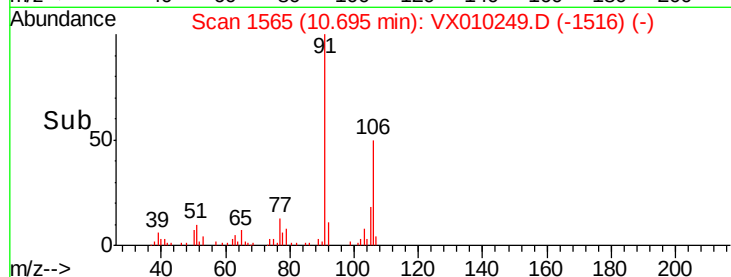
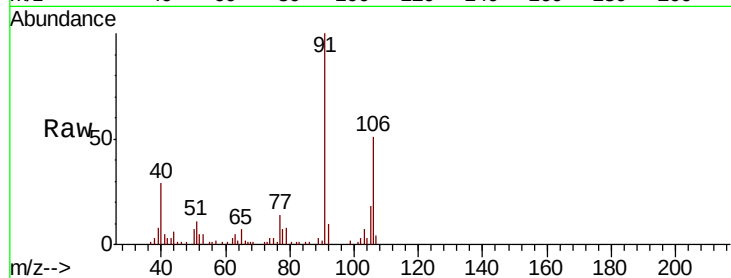




#69
o-Xylene
Concen: 0.760 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

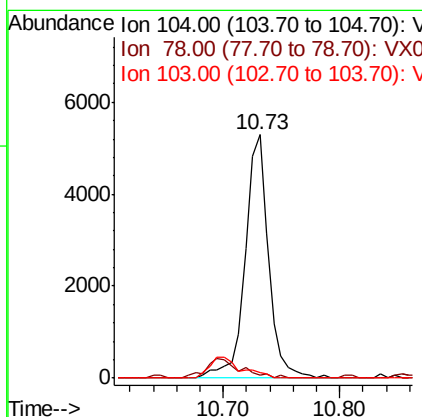
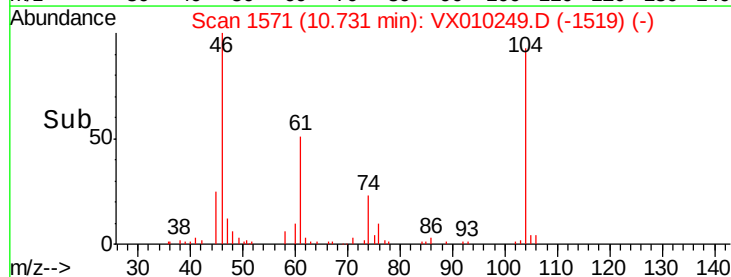
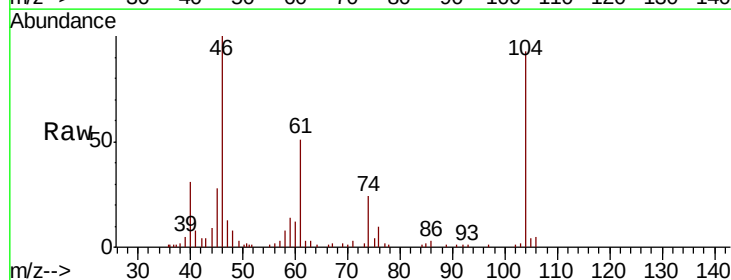
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

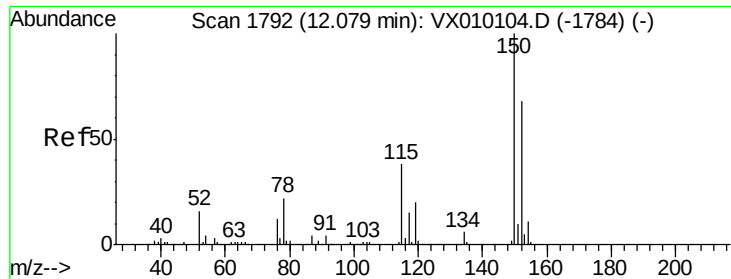
Tot Ion:106 Resp: 4534
Ion Ratio Lower Upper
106 100
91 192.7 110.4 331.2



#70
Styrene
Concen: 0.736 ug/l
RT: 10.73 min Scan# 1571
Delta R.T. 0.02 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion:104 Resp: 7436
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 44.1 66.1#



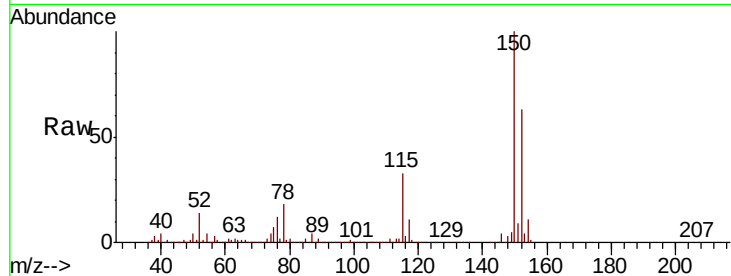


#72

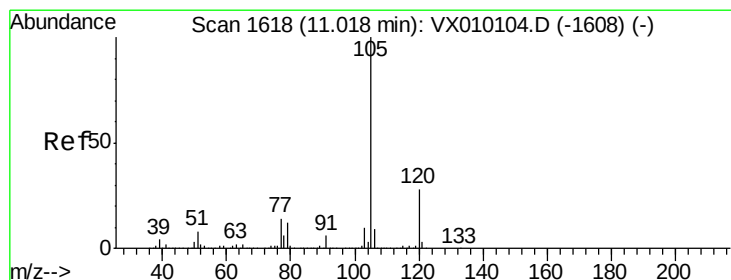
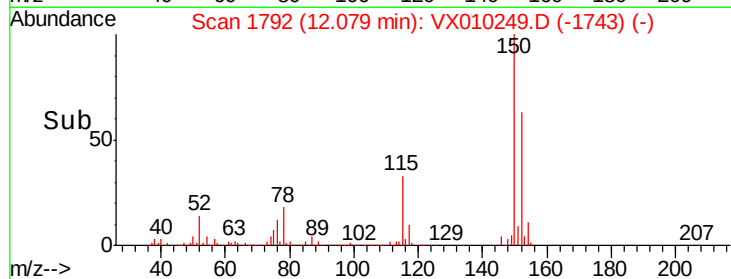
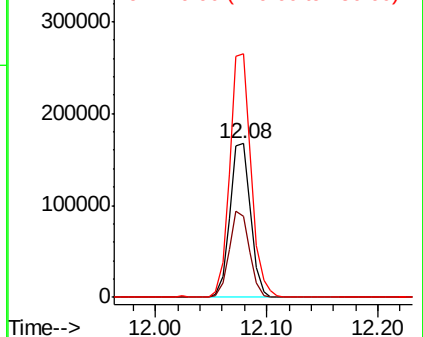
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

Tot Ion:152 Resp: 214434
Ion Ratio Lower Upper
152 100
115 54.4 41.4 124.2
150 161.5 0.0 345.2



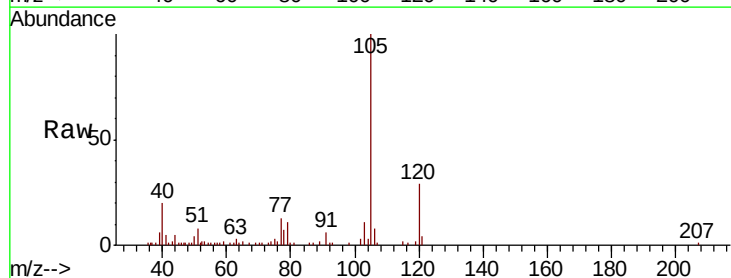
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



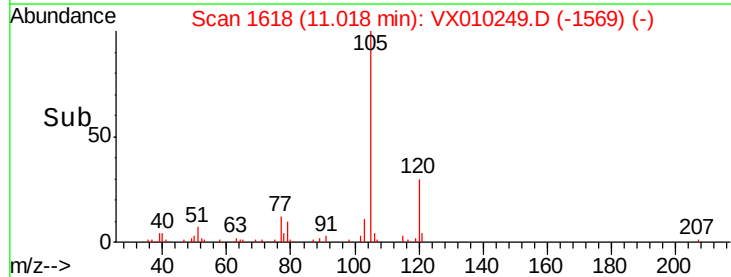
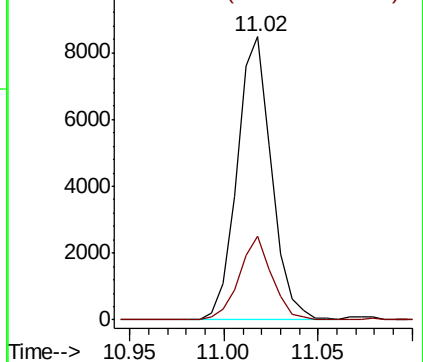
#73

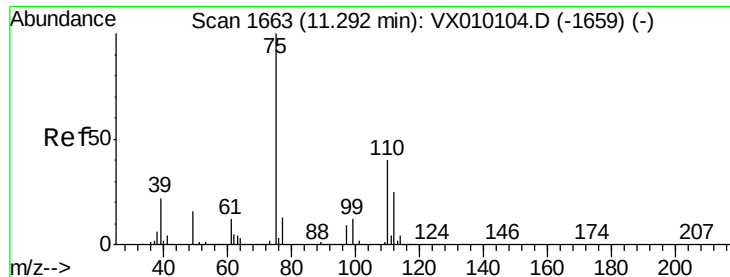
Isopropylbenzene
Concen: 0.714 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion:105 Resp: 10694
Ion Ratio Lower Upper
105 100
120 28.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

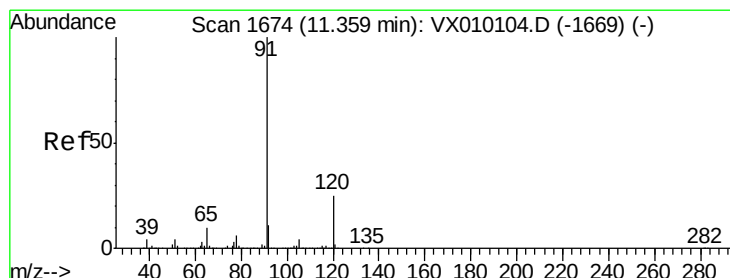
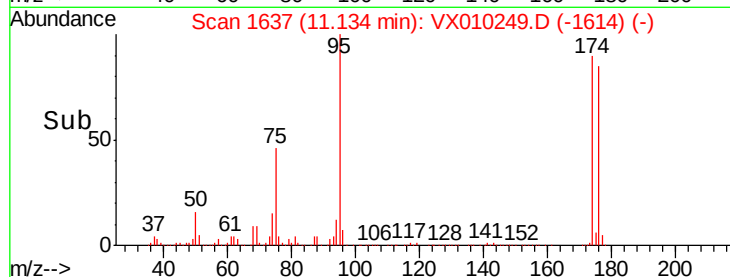
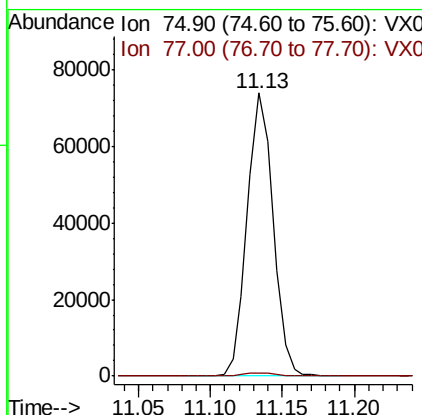
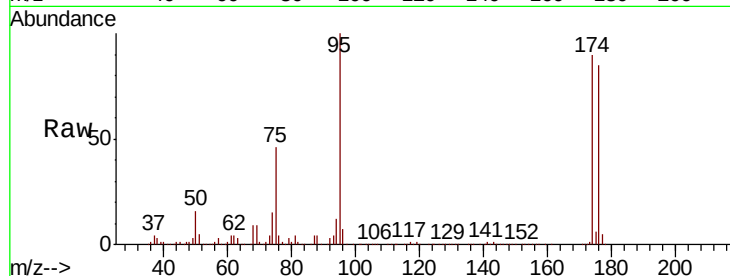




#76
 1,2,3-Trichloropropane
 Concen: 21.505 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

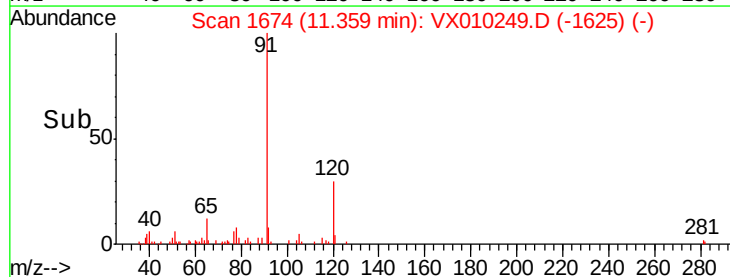
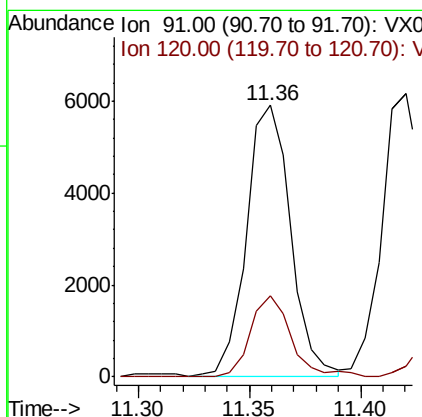
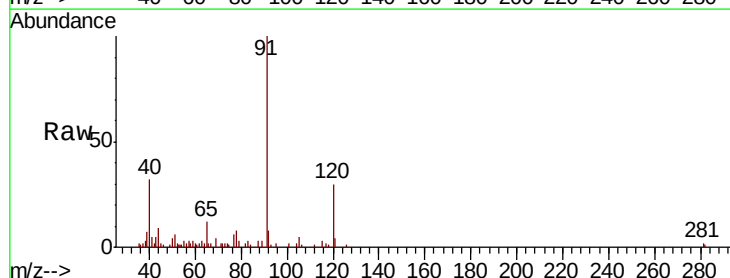
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

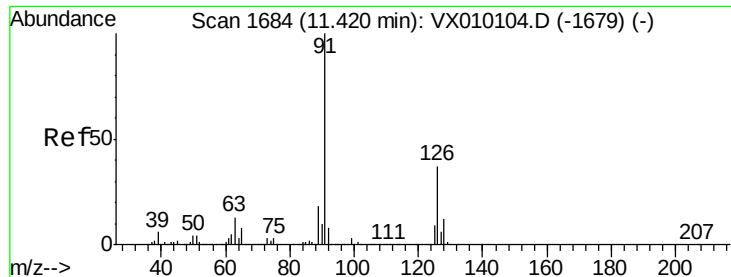
Tot Ion: 75 Resp: 92239
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#78
 n-propylbenzene
 Concen: 0.490 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Tgt Ion: 91 Resp: 8174
 Ion Ratio Lower Upper
 91 100
 120 27.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 0.905 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

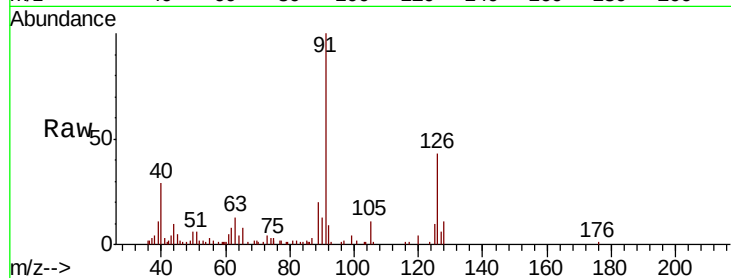
SS043MW011-190611

Tot Ion: 91 Resp: 9054

Ion Ratio Lower Upper

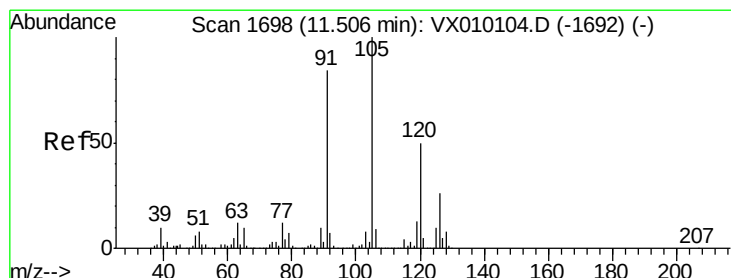
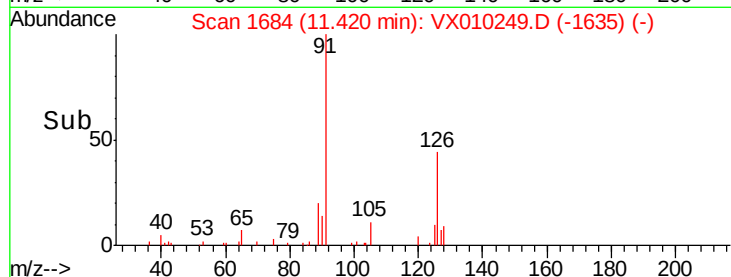
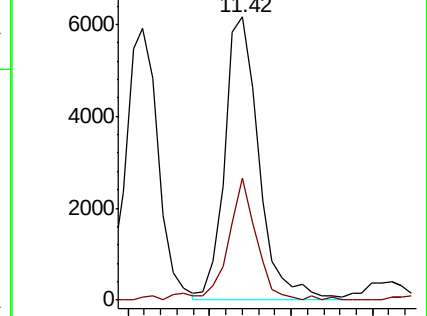
91 100

126 36.1 16.1 48.3



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: 0.201 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010249.D

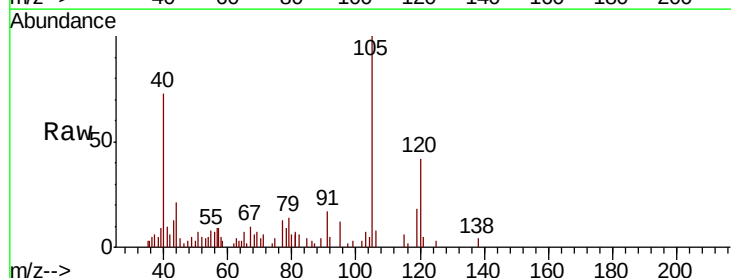
Acq: 12 Jun 2019 14:38

Tgt Ion: 105 Resp: 2539

Ion Ratio Lower Upper

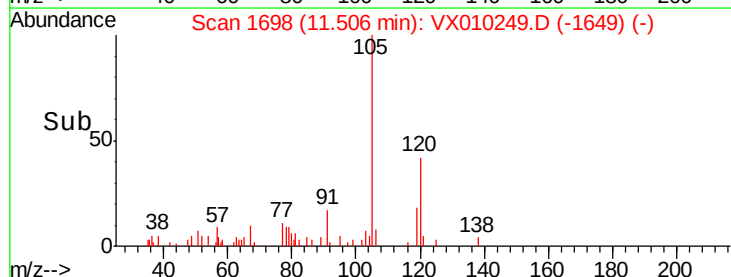
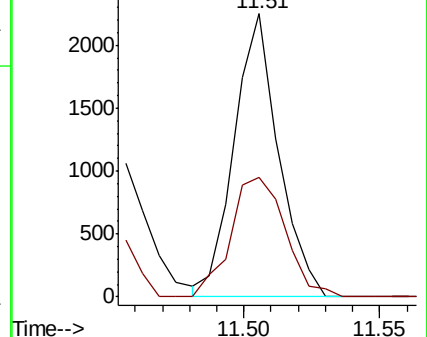
105 100

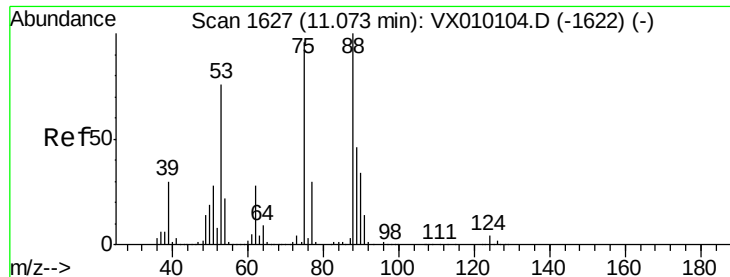
120 51.9 24.1 72.3



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: 47.515 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611

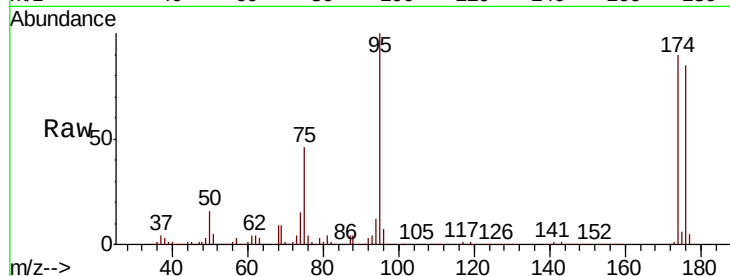
Tot Ion: 75 Resp: 92239

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

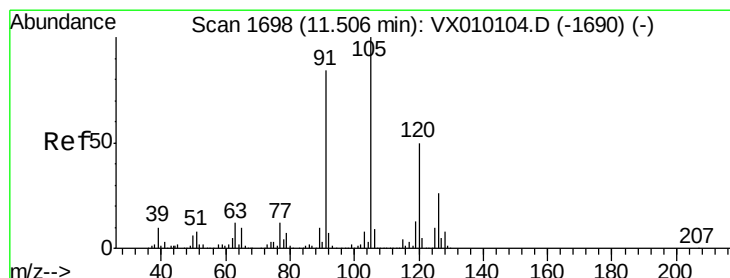
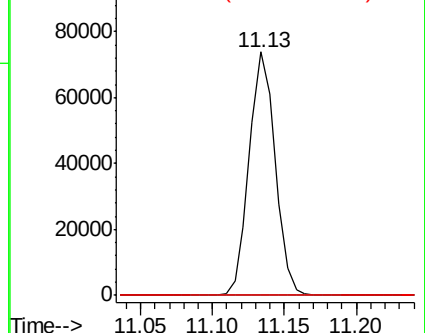
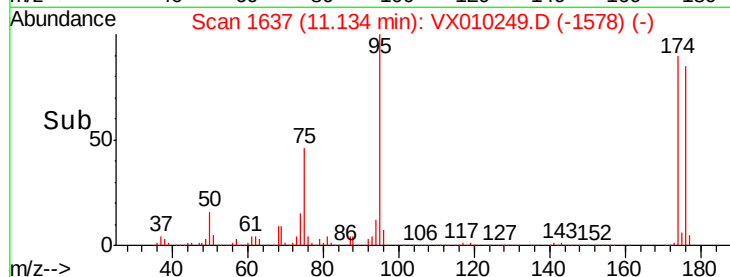
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.796 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.09 min

Lab File: VX010249.D

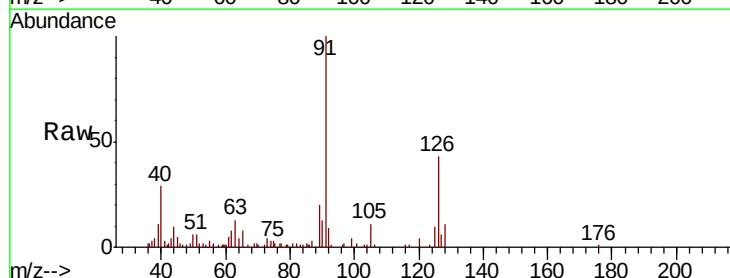
Acq: 12 Jun 2019 14:38

Tgt Ion: 91 Resp: 9054

Ion Ratio Lower Upper

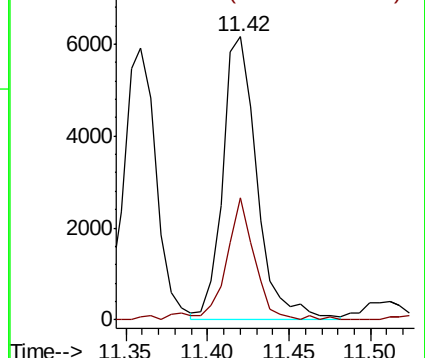
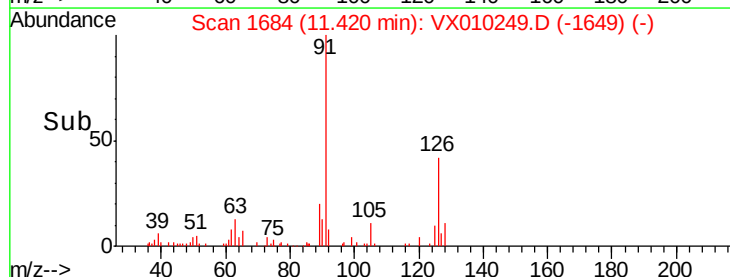
91 100

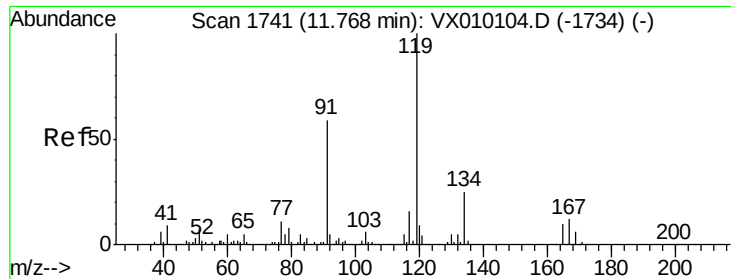
126 36.1 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

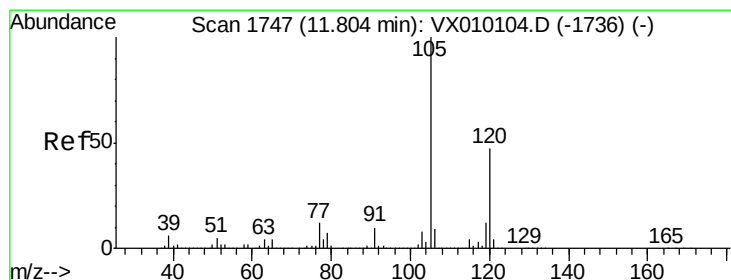
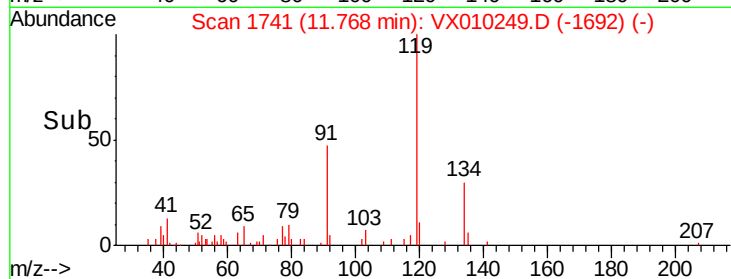
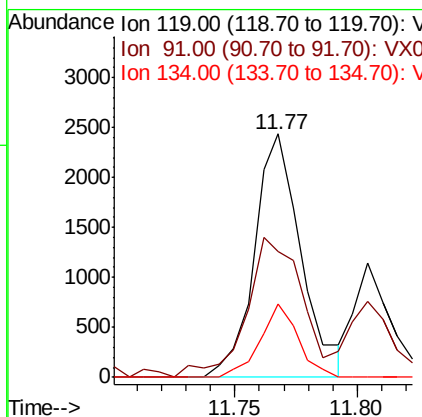
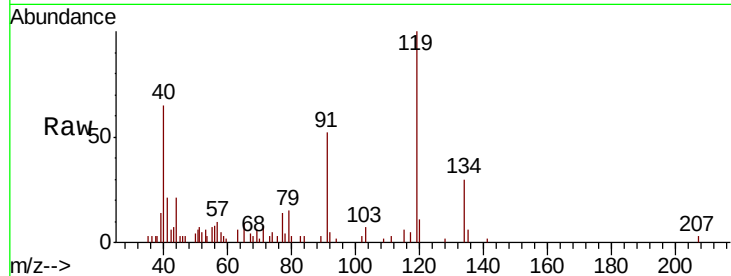




#83
tert-Butylbenzene
Concen: 0.254 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

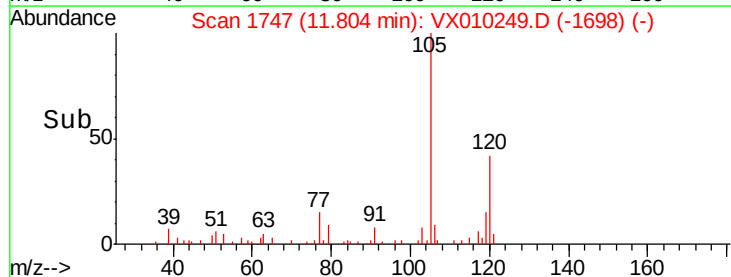
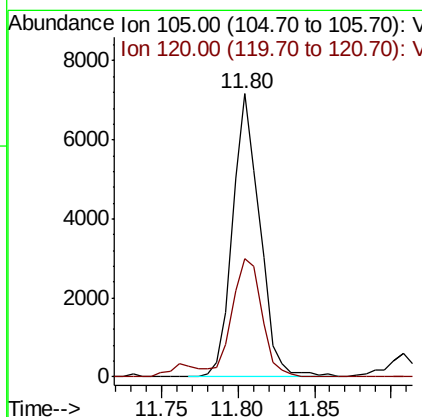
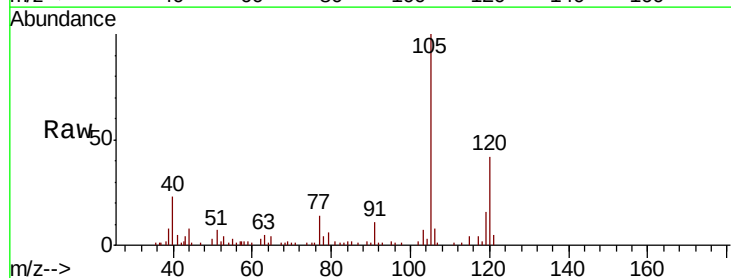
Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

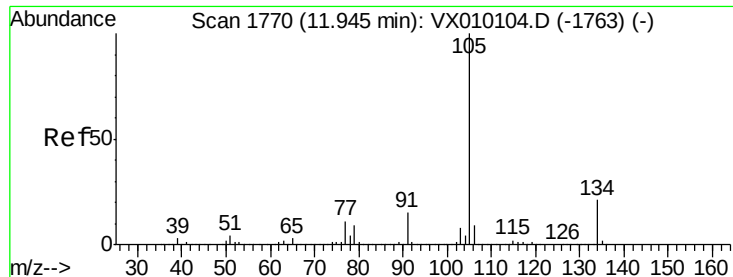
Tot Ion:119 Resp: 3242
Ion Ratio Lower Upper
119 100
91 67.4 30.0 90.0
134 24.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 0.695 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Tgt Ion:105 Resp: 8855
Ion Ratio Lower Upper
105 100
120 46.2 22.1 66.1





#85

sec-Butylbenzene

Concen: 0.397 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

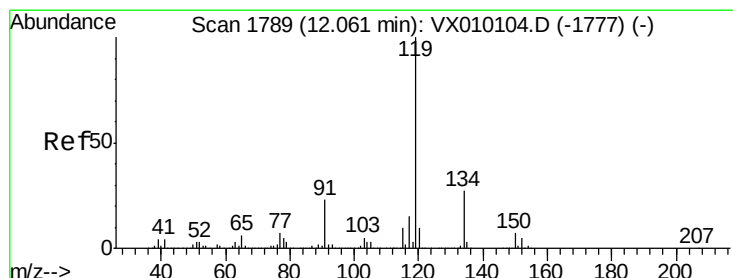
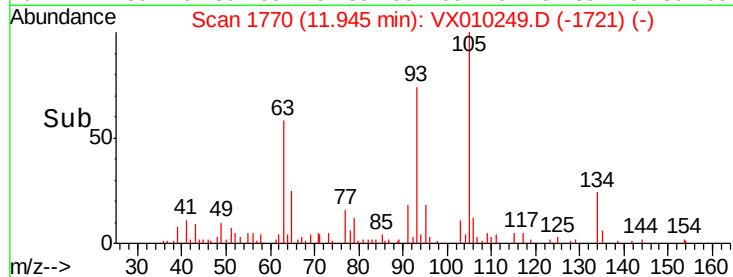
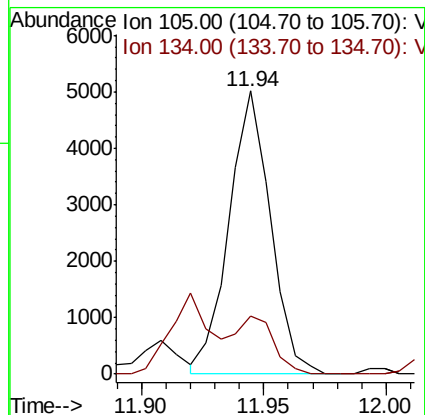
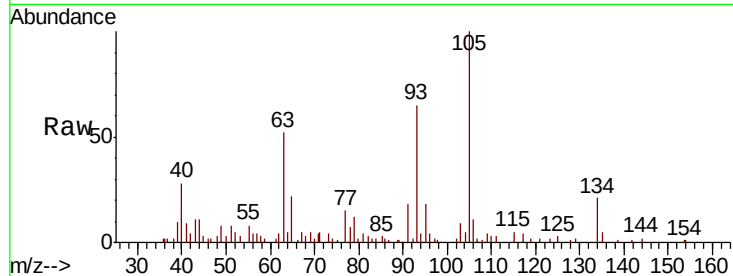
SS043MW011-190611

Tot Ion:105 Resp: 5896

Ion Ratio Lower Upper

105 100

134 18.8 9.7 28.9



#86

p-Isopropyltoluene

Concen: 0.205 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

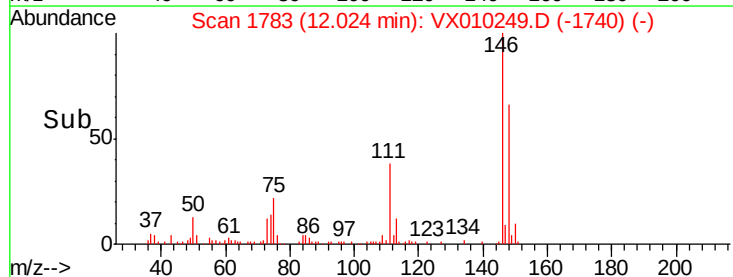
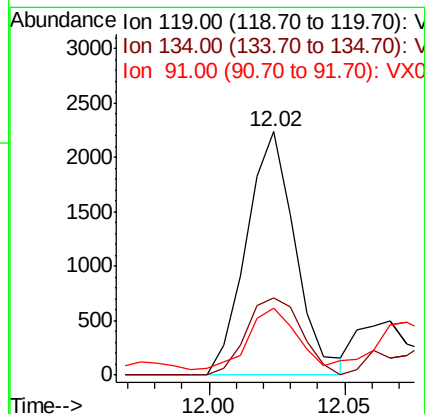
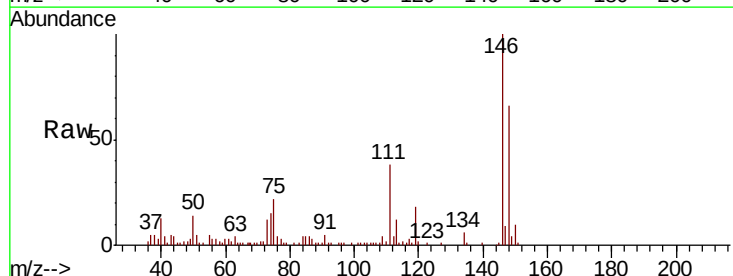
Tgt Ion:119 Resp: 2784

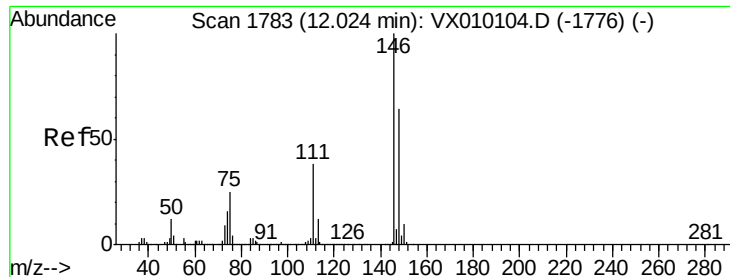
Ion Ratio Lower Upper

119 100

134 35.7 12.9 38.6

91 25.9 11.9 35.9

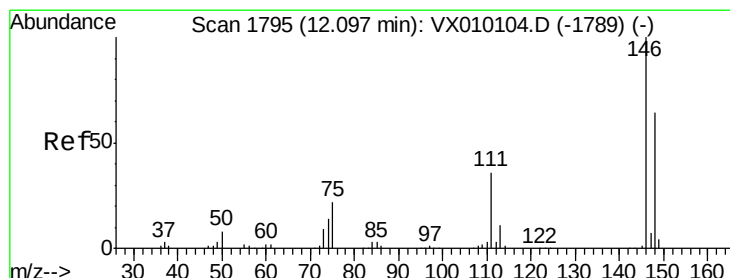
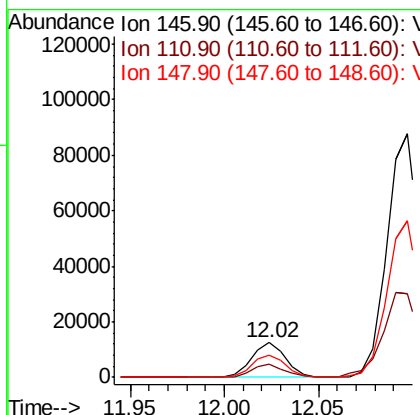
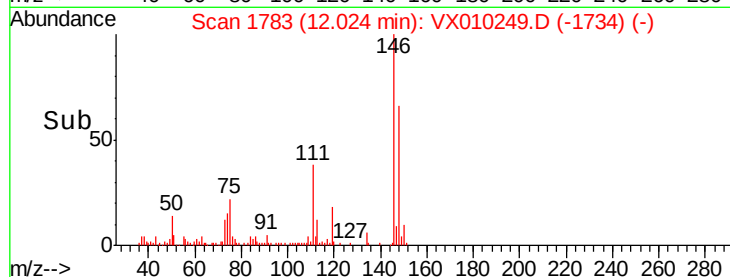
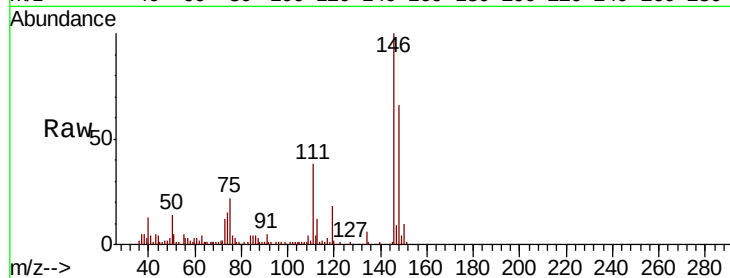




#87
 1,3-Dichlorobenzene
 Concen: 2.162 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

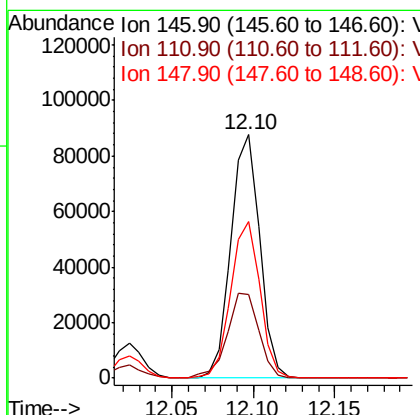
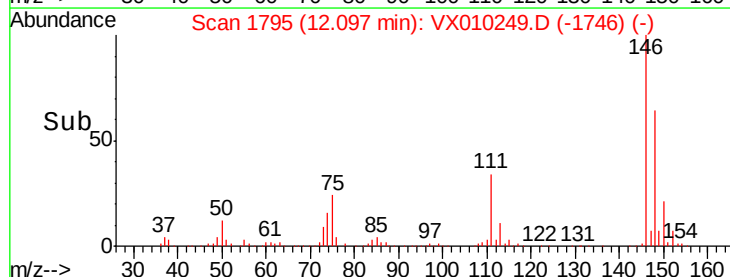
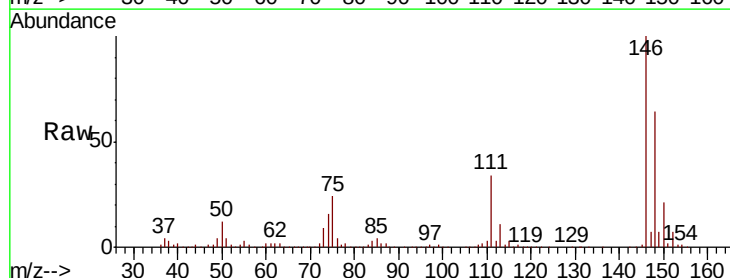
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW011-190611

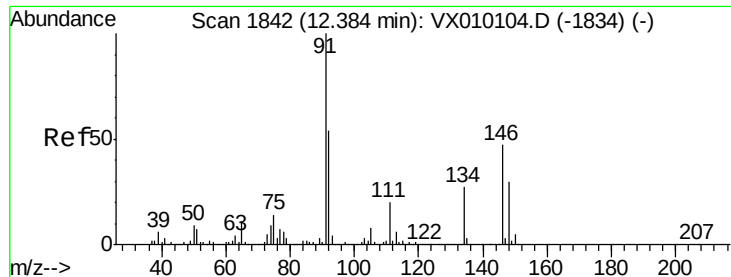
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.1	60.2
148	65.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 14.752 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010249.D
 Acq: 12 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.0	59.9
148	65.0	32.3	96.9





#89

n-Butylbenzene

Concen: 0.389 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SS043MW011-190611

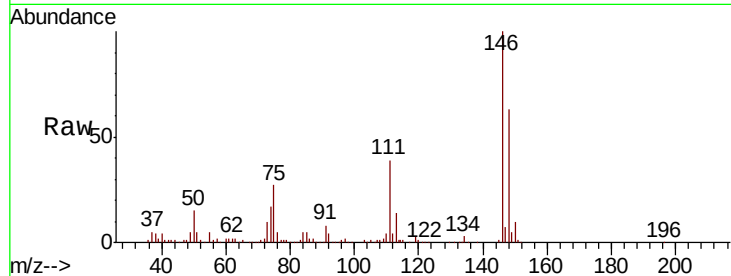
Tot Ion: 91 Resp: 4555

Ion Ratio Lower Upper

91 100

92 43.6 26.3 78.8

134 63.0 12.3 36.8#

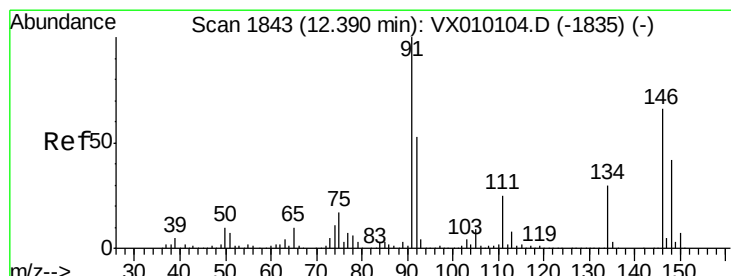
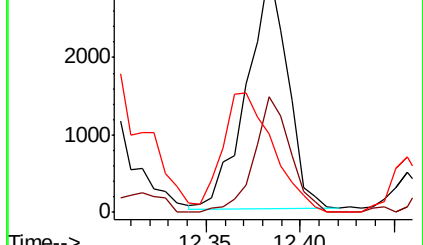
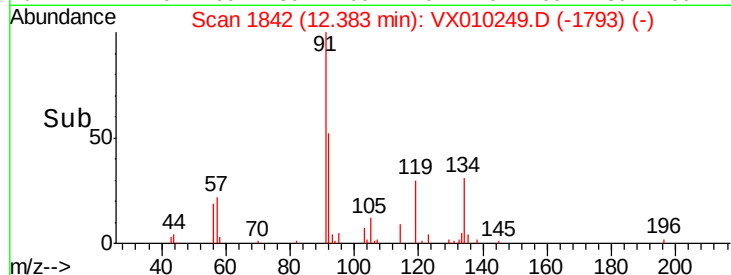


Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX010104.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX010104.D (-1834) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 8.110 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010249.D

Acq: 12 Jun 2019 14:38

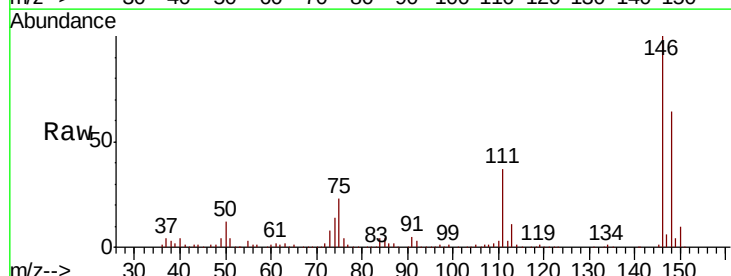
Tgt Ion: 146 Resp: 57167

Ion Ratio Lower Upper

146 100

111 37.4 21.1 63.1

148 63.9 32.3 96.8

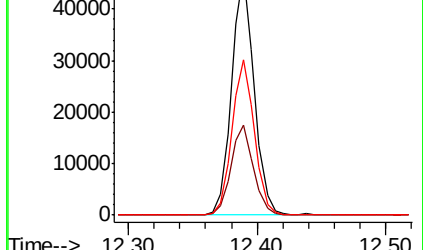
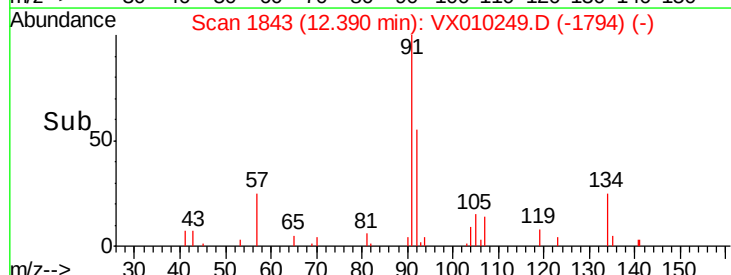


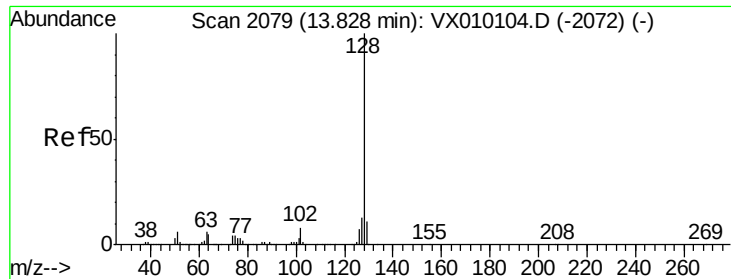
Abundance Ion 145.90 (145.60 to 146.60): VX010104.D (-1835) (-)

Ion 110.90 (110.60 to 111.60): VX010104.D (-1835) (-)

Ion 147.90 (147.60 to 148.60): VX010104.D (-1835) (-)

Time-->





#95
Naphthalene
Concen: 0.373 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010249.D
Acq: 12 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
SS043MW011-190611

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.6	16.0#
129	14.6	8.8	13.2#

