

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011221.D
 Acq On : 11 Jul 2019 11:35
 Operator : SY/VA
 Sample : VW0712SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Quant Time: Jul 12 08:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127257	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.88	113	102007	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.32	98	423776	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.62	95	152812	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32827	19.254	ug/l	98
3) Chloromethane	2.21	50	41763	19.010	ug/l	98
4) Vinyl Chloride	2.35	62	54504	18.955	ug/l	97
5) Bromomethane	2.77	94	26998	18.685	ug/l	92
6) Chloroethane	2.91	64	28327	18.290	ug/l	96
7) Trichlorofluoromethane	3.24	101	17434	17.067	ug/l	96
8) Diethyl Ether	3.68	74	24268	17.170	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46555	19.027	ug/l	98
10) Methyl Iodide	4.27	142	58997	17.531	ug/l	99
11) Tert butyl alcohol	5.17	59	16371	76.979	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	46665	18.375	ug/l	95
13) Acrolein	3.89	56	12375	73.075	ug/l	100
14) Allyl chloride	4.66	41	85773	18.522	ug/l	99
15) Acrylonitrile	5.36	53	60503	84.052	ug/l	99
16) Acetone	4.12	43	60421	87.421	ug/l	99
17) Carbon Disulfide	4.38	76	129960	16.880	ug/l	99
18) Methyl Acetate	4.67	43	39412	19.182	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	66955	17.376	ug/l	97
20) Methylene Chloride	4.91	84	51730	18.973	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	47712	18.081	ug/l	97
22) Diisopropyl ether	6.31	45	181998	18.272	ug/l	99
23) Vinyl Acetate	6.25	43	504917	81.912	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95058	18.174	ug/l	99
25) 2-Butanone	7.17	43	87595	80.739	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49397	18.169	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51628	18.137	ug/l	98
28) Bromochloromethane	7.51	49	43968	18.488	ug/l	99
29) Tetrahydrofuran	7.52	42	57144	80.327	ug/l	100
30) Chloroform	7.67	83	86688	17.897	ug/l	99
31) Cyclohexane	7.95	56	100979	18.148	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66219	17.972	ug/l	99
36) 1,1-Dichloropropene	8.07	75	74002	18.744	ug/l	99
37) Ethyl Acetate	7.25	43	39221	16.535	ug/l	99
38) Carbon Tetrachloride	8.06	117	60383	18.042	ug/l	96

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Quant Time: Jul 12 08:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	88886	18.575	ug/l	99
40) Benzene	8.32	78	202363	18.547	ug/l	99
41) Methacrylonitrile	7.48	41	25067	18.477	ug/l	93
42) 1,2-Dichloroethane	8.40	62	63743	18.010	ug/l	100
43) Isopropyl Acetate	8.42	43	73574	16.429	ug/l	98
44) Trichloroethene	9.09	130	48635	18.524	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53317	18.045	ug/l	97
46) Dibromomethane	9.46	93	24025	17.310	ug/l	99
47) Bromodichloromethane	9.64	83	62678	17.650	ug/l	98
48) Methyl methacrylate	9.43	41	35376	16.419	ug/l	97
49) 1,4-Dioxane	9.45	88	8196	353.782	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	191860	82.012	ug/l	99
52) Toluene	10.38	92	122669	18.534	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	63778	16.872	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	77626	17.447	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35307	17.932	ug/l	97
56) Ethyl methacrylate	10.65	69	50296	16.778	ug/l	99
57) 1,3-Dichloropropane	10.93	76	65593	17.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	132768	95.534	ug/l	99
59) 2-Hexanone	10.97	43	131918	81.311	ug/l	100
60) Dibromochloromethane	11.13	129	36814	17.050	ug/l	99
61) 1,2-Dibromoethane	11.23	107	31901	17.104	ug/l	98
64) Tetrachloroethene	10.86	164	41094	18.781	ug/l	97
65) Chlorobenzene	11.66	112	123887	18.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41888	18.046	ug/l	99
67) Ethyl Benzene	11.73	91	237178	18.793	ug/l	98
68) m/p-Xylenes	11.84	106	171875	37.638	ug/l	99
69) o-Xylene	12.16	106	79946	18.574	ug/l	99
70) Styrene	12.18	104	138814	18.688	ug/l	99
71) Bromoform	12.35	173	19318	15.653	ug/l #	99
73) Isopropylbenzene	12.46	105	225705	18.918	ug/l	100
74) N-amyl acetate	12.27	43	70596	16.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41387	16.923	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53011	28.742	ug/l #	100
77) Bromobenzene	12.75	156	48768	18.214	ug/l	98
78) n-propylbenzene	12.80	91	279469	19.016	ug/l	100
79) 2-Chlorotoluene	12.89	91	157711	18.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	190494	18.794	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11819	14.494	ug/l	92
82) 4-Chlorotoluene	12.99	91	165860	18.829	ug/l	100
83) tert-Butylbenzene	13.21	119	161795	19.140	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192199	18.885	ug/l	99
85) sec-Butylbenzene	13.38	105	233459	19.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	207933	19.007	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98680	19.156	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	96794	18.660	ug/l	97
89) n-Butylbenzene	13.82	91	211334	19.364	ug/l	100
90) Hexachloroethane	14.10	117	35283	17.649	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	86105	18.424	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6672	15.381	ug/l	100

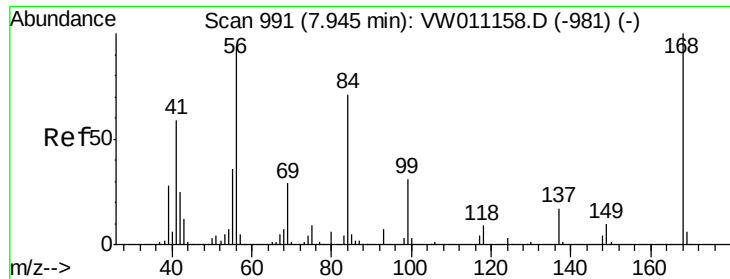
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62543	19.430	ug/l	98
94) Hexachlorobutadiene	15.24	225	38774	19.620	ug/l	98
95) Naphthalene	15.37	128	107118	17.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	54517	19.190	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

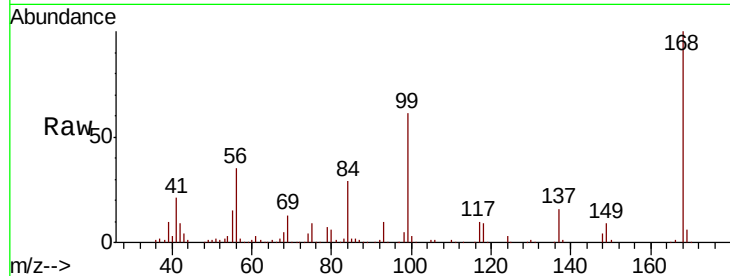
VW0712SBS01

Tot Ion:168 Resp: 228602

Ion Ratio Lower Upper

168 100

99 60.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

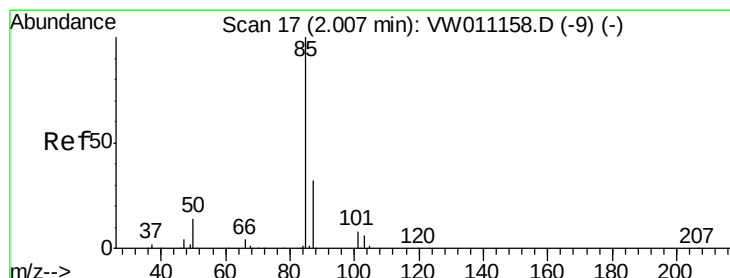
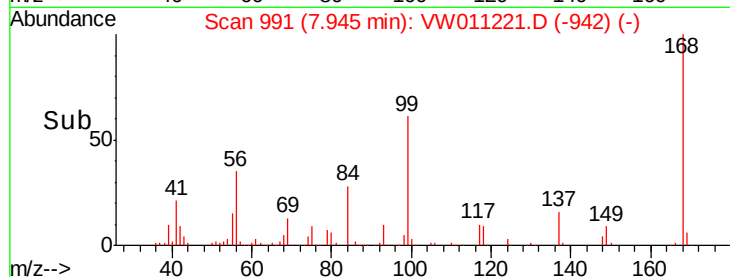
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.254 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011221.D

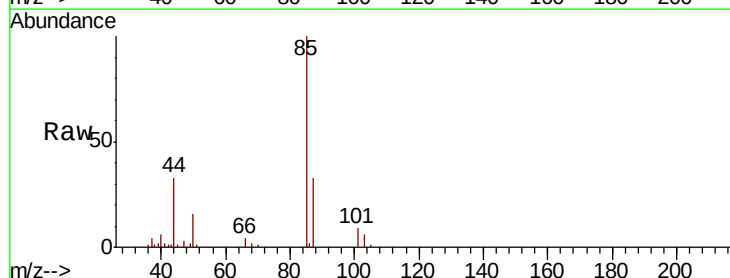
Acq: 11 Jul 2019 11:35

Tgt Ion: 85 Resp: 32827

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

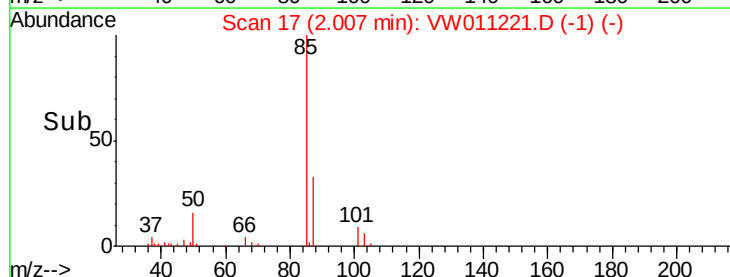
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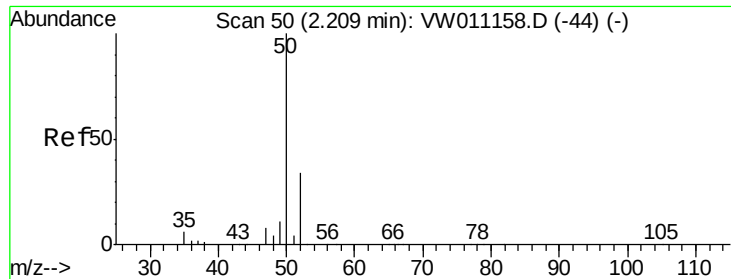
2000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.010 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

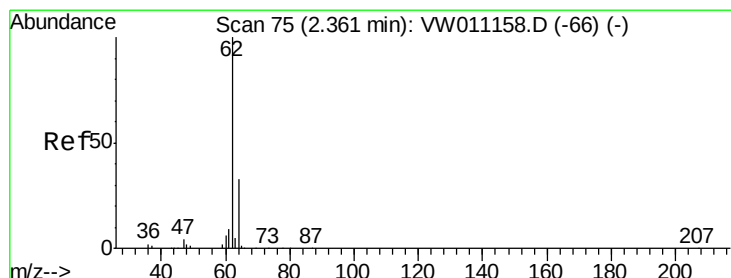
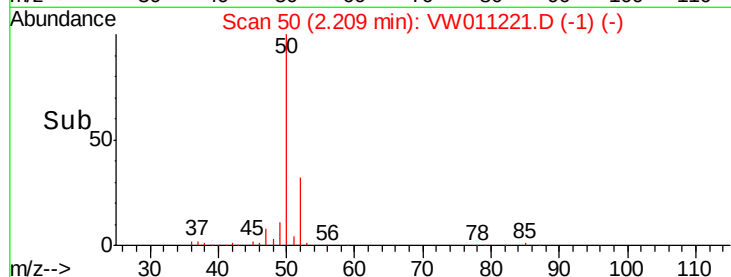
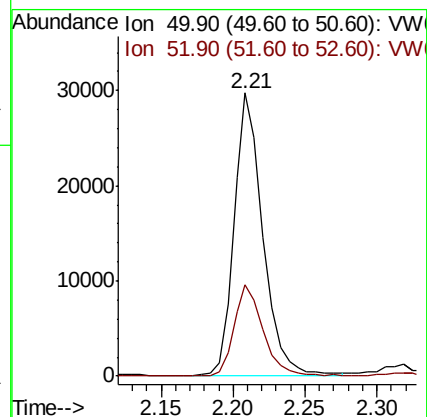
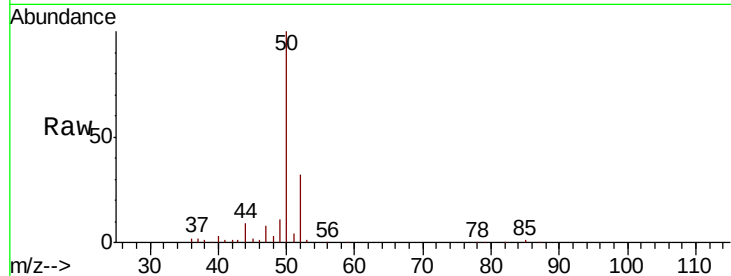
VW0712SBS01

Tot Ion: 50 Resp: 41763

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



#4

Vinyl Chloride

Concen: 18.955 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011221.D

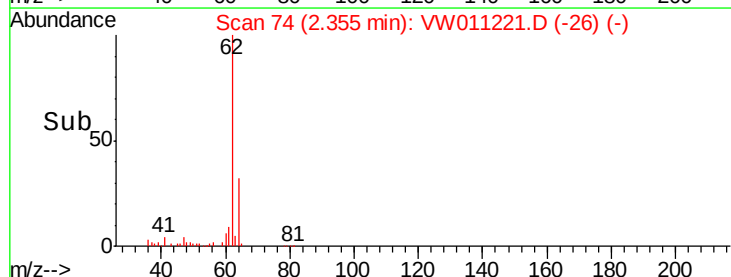
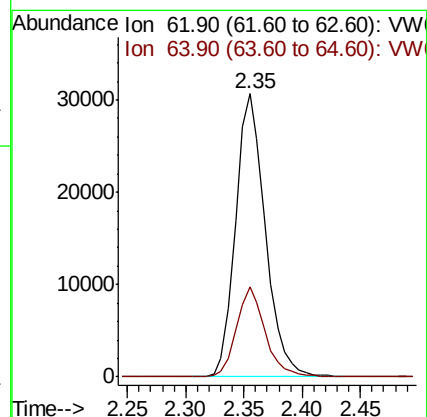
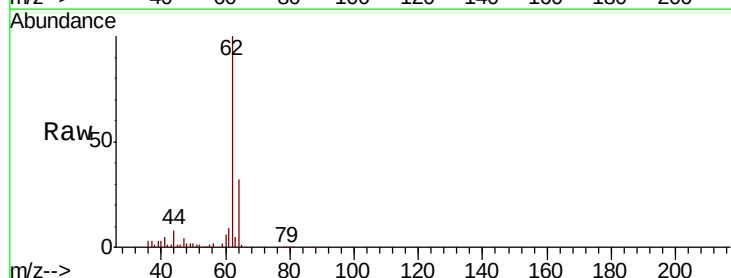
Acq: 11 Jul 2019 11:35

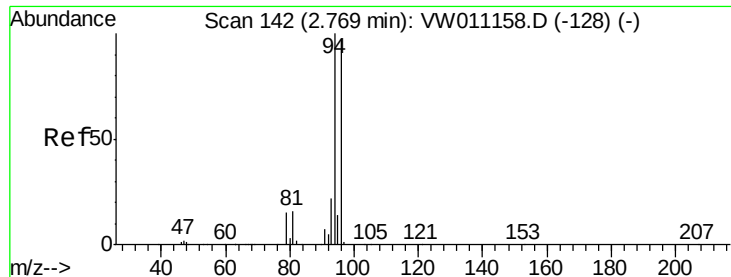
Tgt Ion: 62 Resp: 54504

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 18.685 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

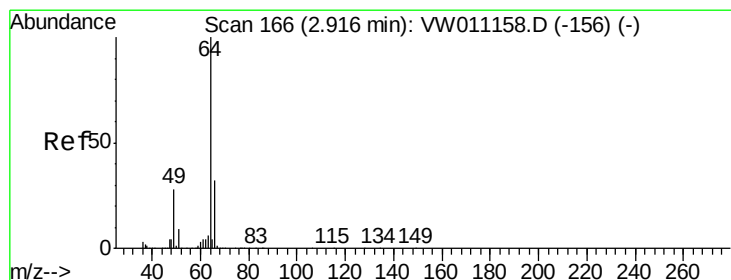
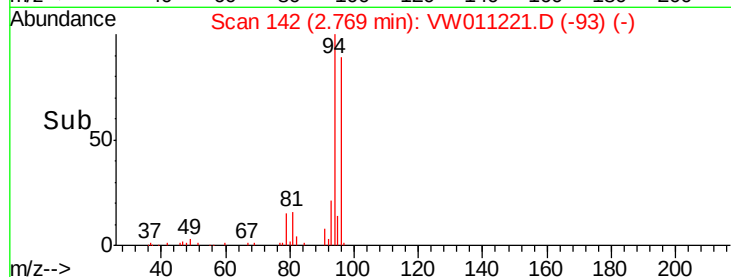
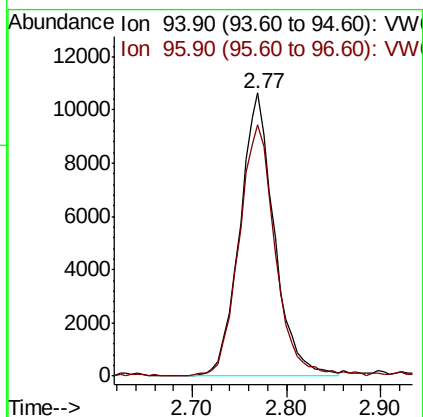
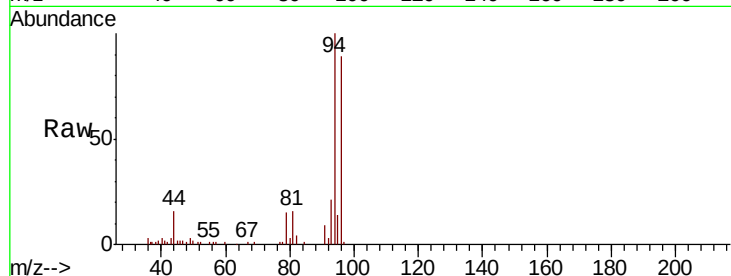
VW0712SBS01

Tot Ion: 94 Resp: 26998

Ion Ratio Lower Upper

94 100

96 88.8 77.4 116.0



#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011221.D

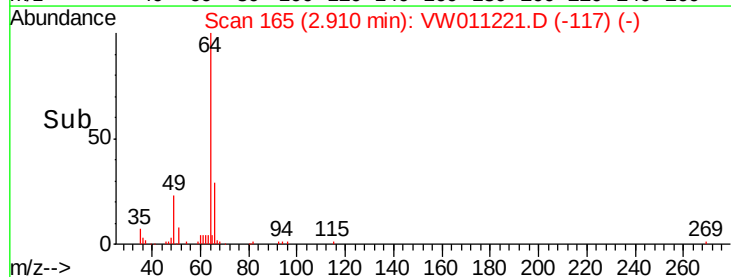
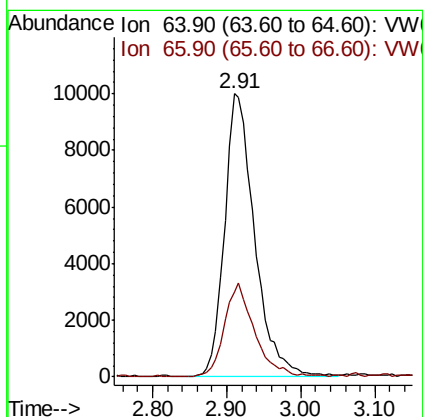
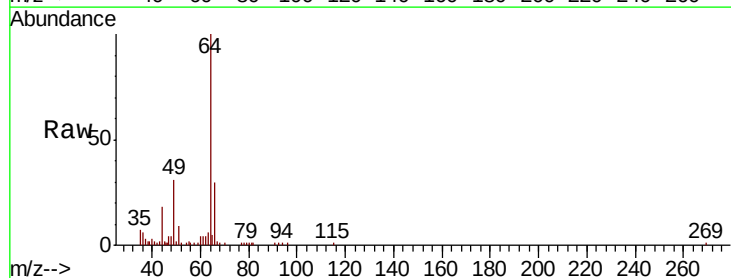
Acq: 11 Jul 2019 11:35

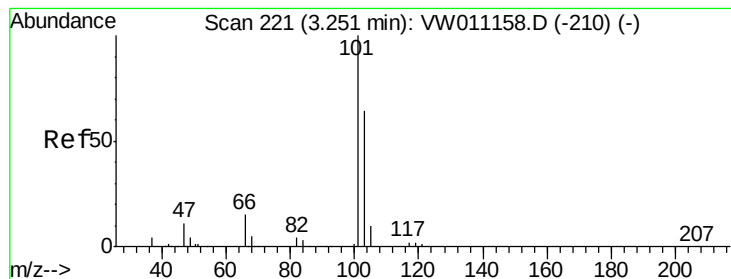
Tgt Ion: 64 Resp: 28327

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.8



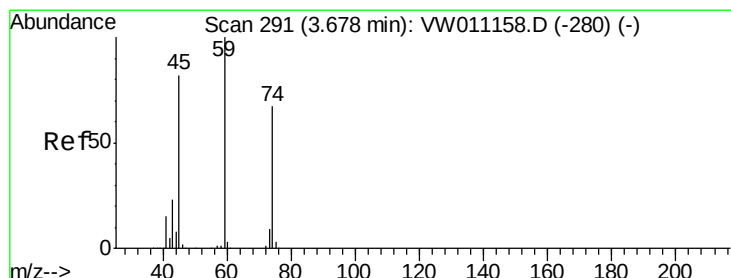
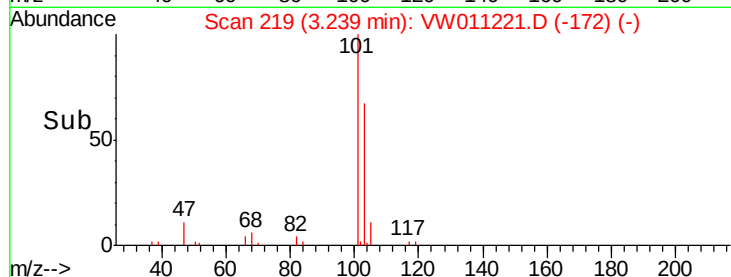
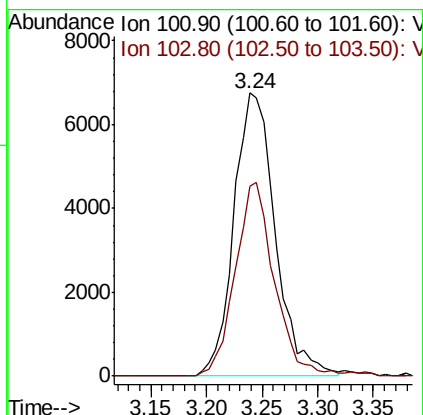
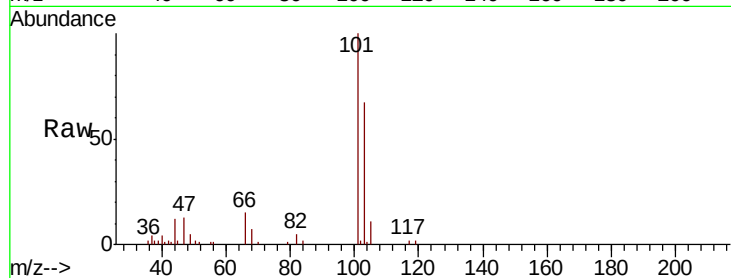


#7

Trichlorofluoromethane
 Concen: 17.067 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

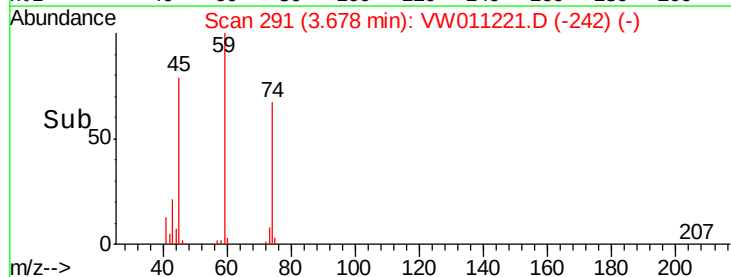
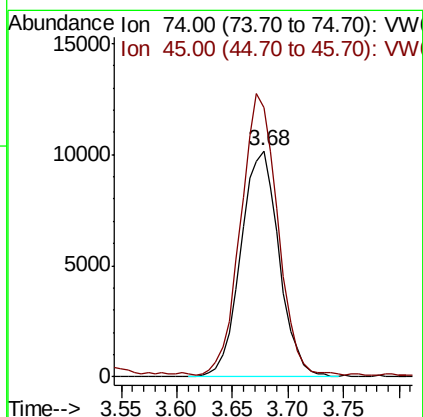
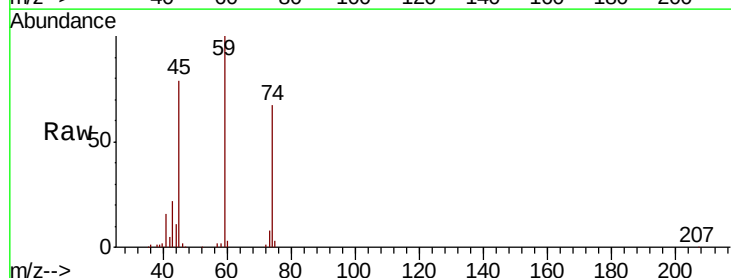
Tot Ion:101 Resp: 17434
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.3 76.9

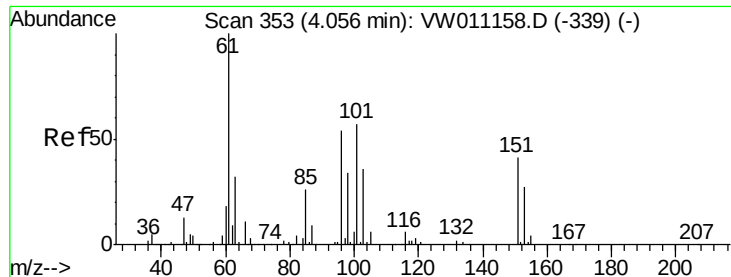


#8

Diethyl Ether
 Concen: 17.170 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion: 74 Resp: 24268
 Ion Ratio Lower Upper
 74 100
 45 119.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.027 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

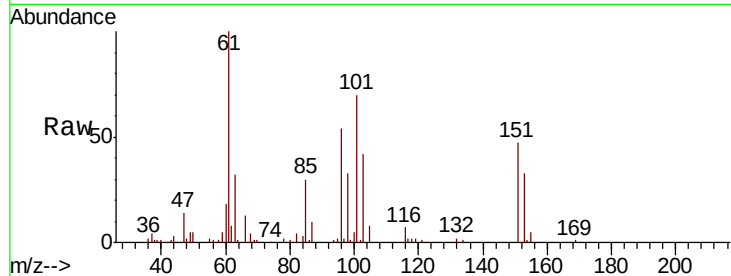
Tot Ion:101 Resp: 46555

Ion Ratio Lower Upper

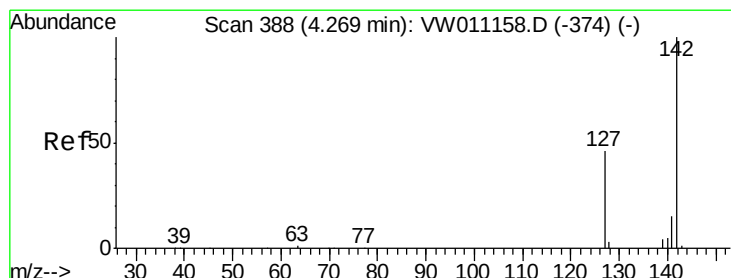
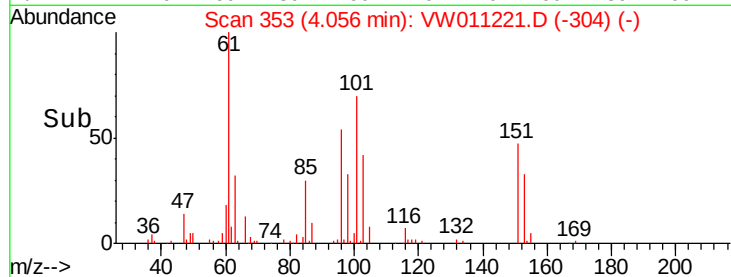
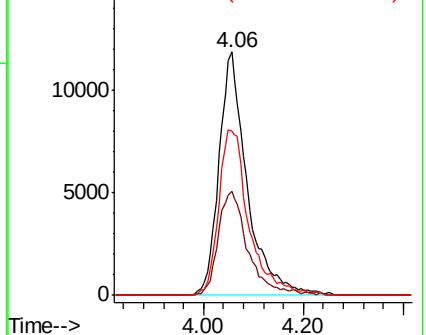
101 100

85 44.6 36.5 54.7

151 71.7 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.531 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

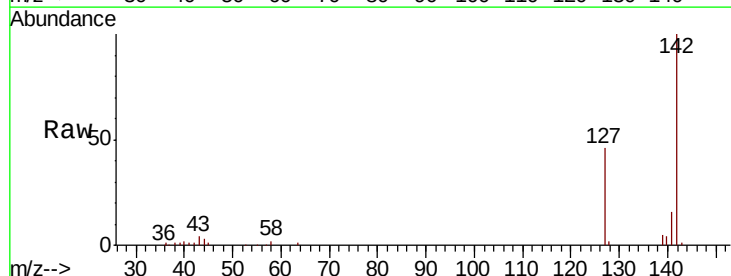
Tgt Ion:142 Resp: 58997

Ion Ratio Lower Upper

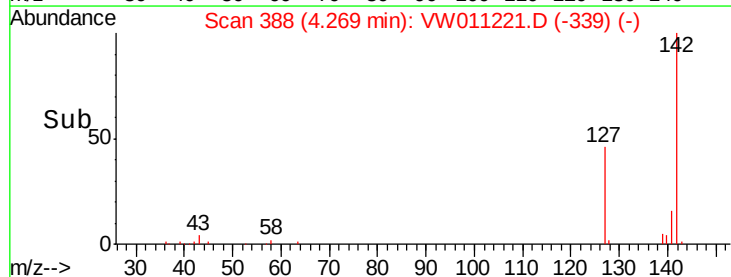
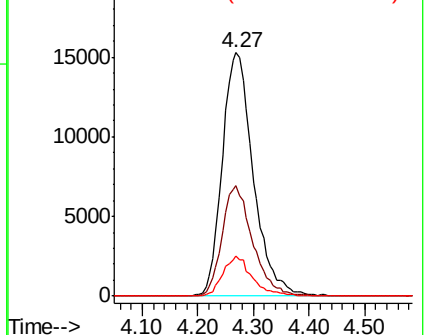
142 100

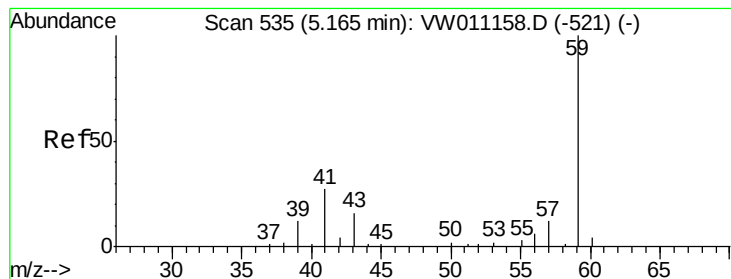
127 44.5 35.7 53.5

141 15.4 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 76.979 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampled :

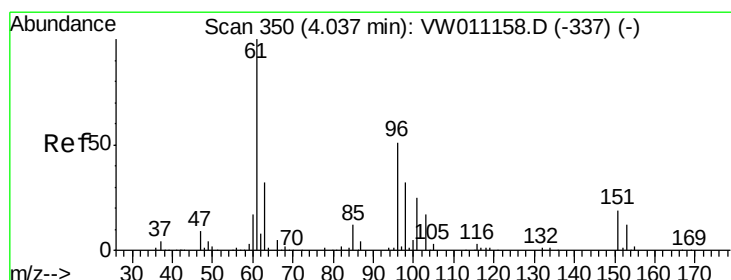
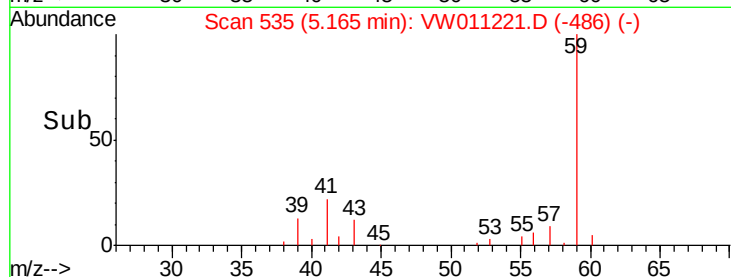
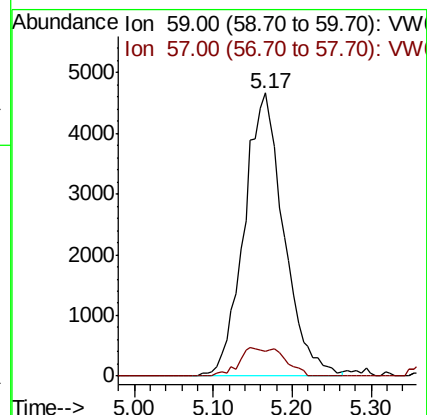
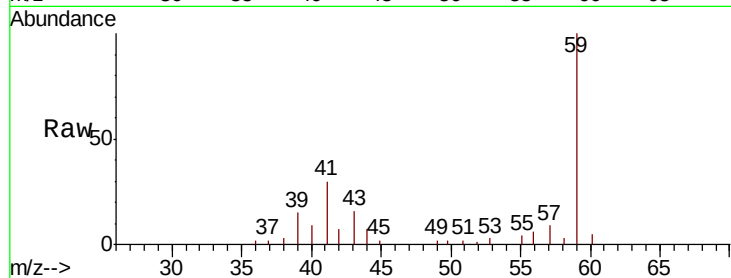
VW0712SBS01

Tot Ion: 59 Resp: 16371

Ion Ratio Lower Upper

59 100

57 6.5 9.0 13.6#



#12

1,1-Dichloroethene

Concen: 18.375 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

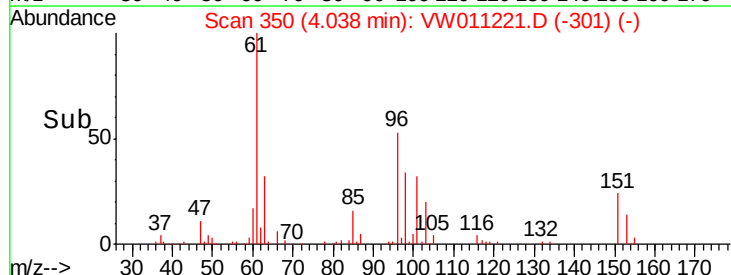
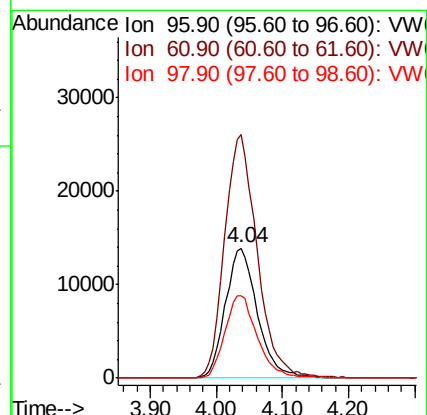
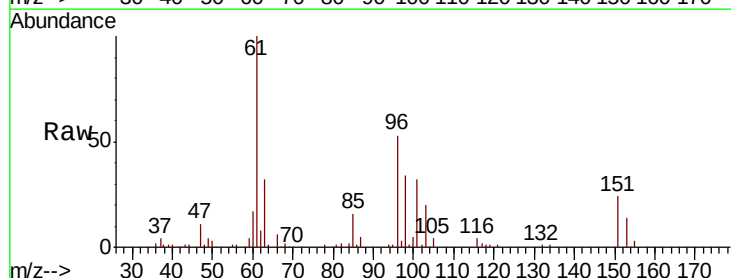
Tgt Ion: 96 Resp: 46665

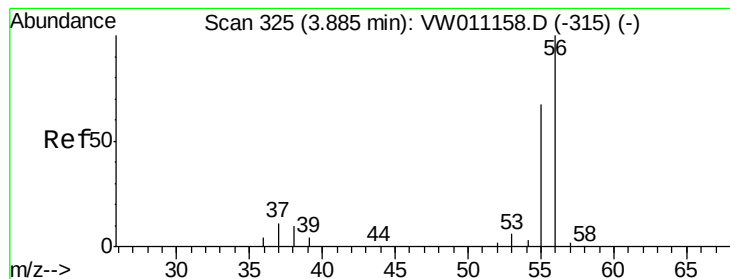
Ion Ratio Lower Upper

96 100

61 186.7 157.7 236.5

98 63.7 50.9 76.3





#13

Acrolein

Concen: 73.075 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampled :

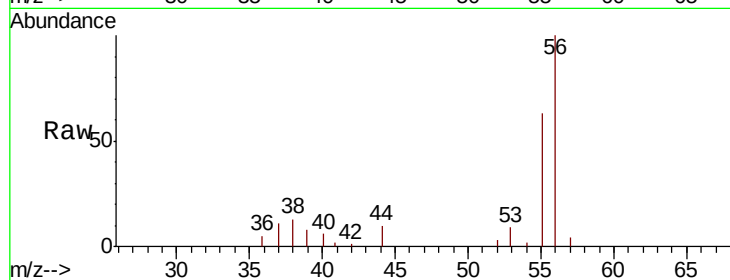
VW0712SBS01

Tot Ion: 56 Resp: 12375

Ion Ratio Lower Upper

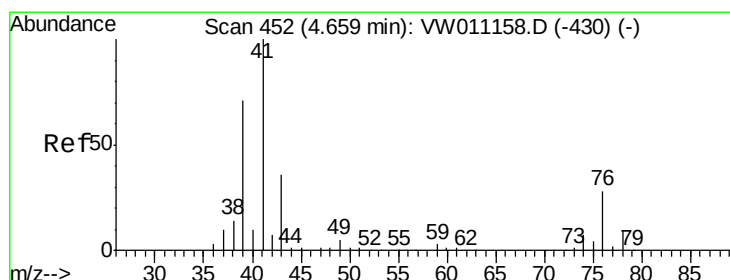
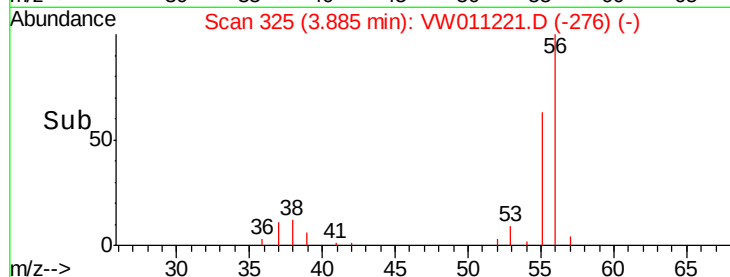
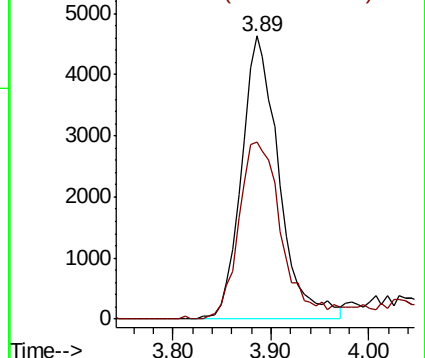
56 100

55 70.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.522 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

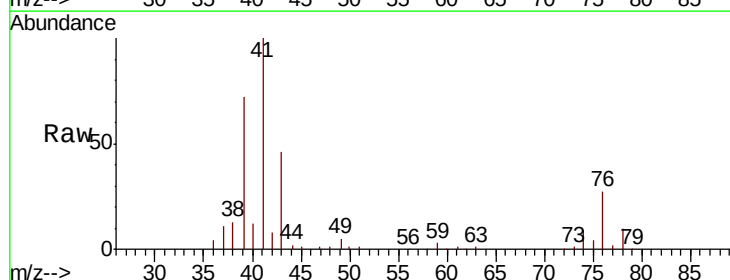
Tgt Ion: 41 Resp: 85773

Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

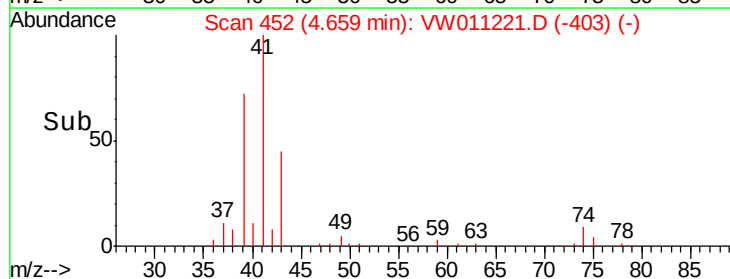
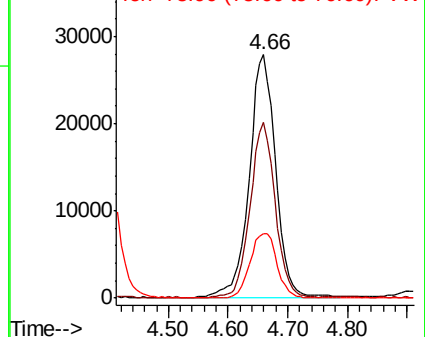
76 27.3 22.5 33.7

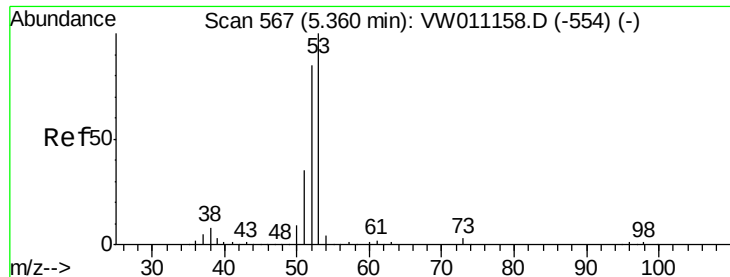


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 84.052 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

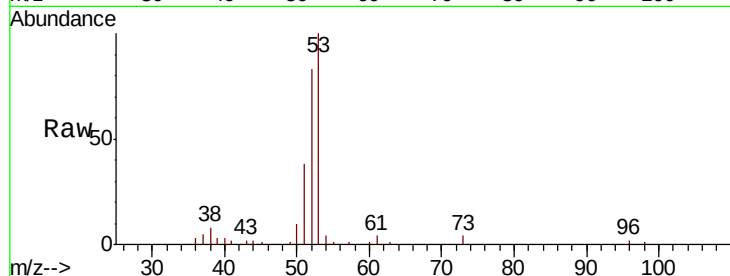
Tot Ion: 53 Resp: 60503

Ion Ratio Lower Upper

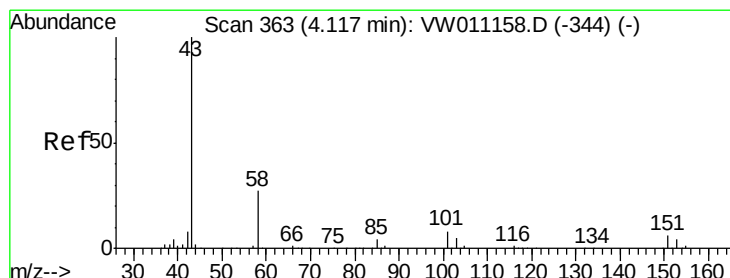
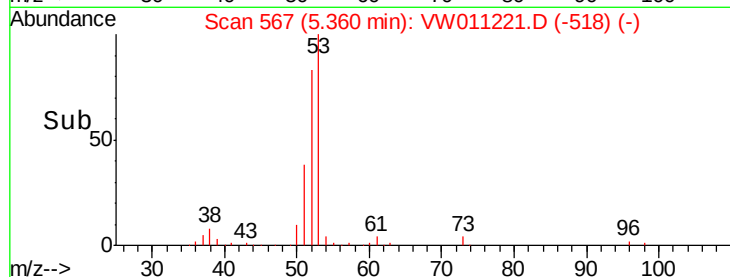
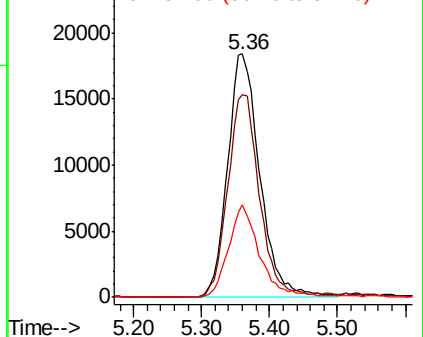
53 100

52 82.2 66.2 99.4

51 36.7 29.1 43.7



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



#16

Acetone

Concen: 87.421 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011221.D

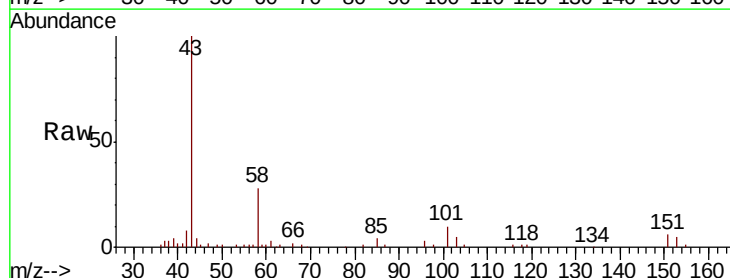
Acq: 11 Jul 2019 11:35

Tgt Ion: 43 Resp: 60421

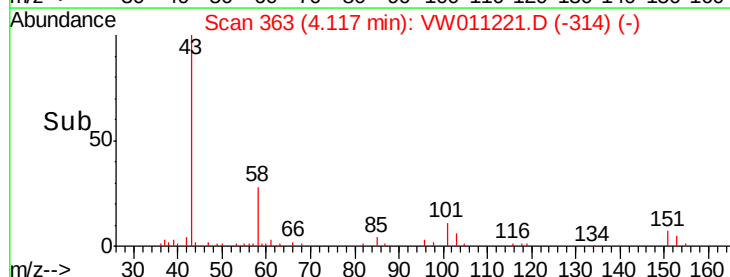
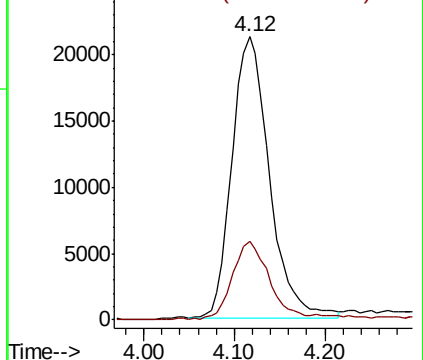
Ion Ratio Lower Upper

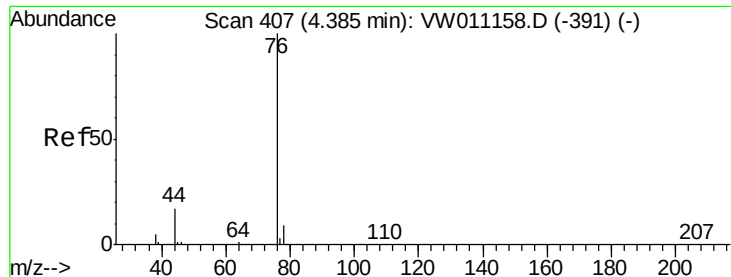
43 100

58 27.7 21.8 32.6



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

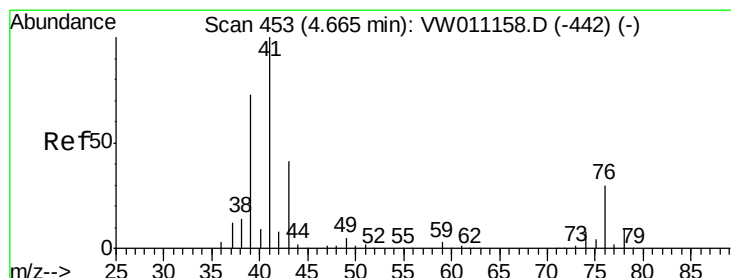
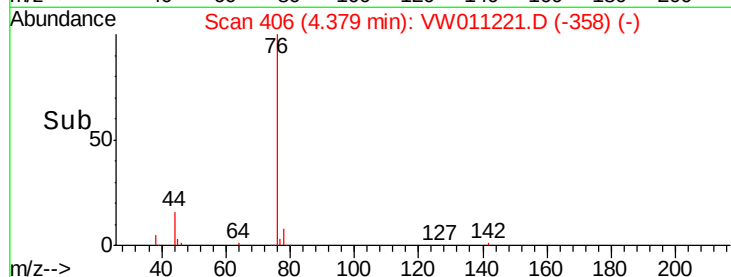
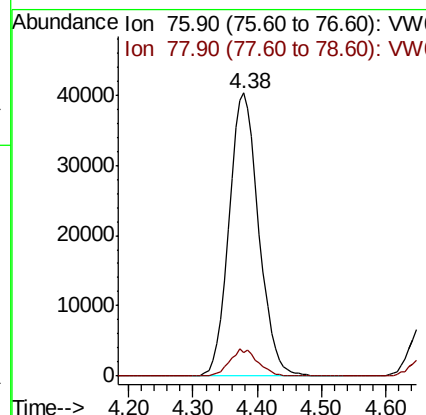
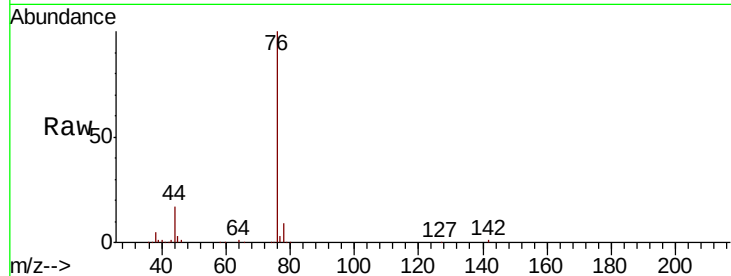




#17
Carbon Disulfide
Concen: 16.880 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

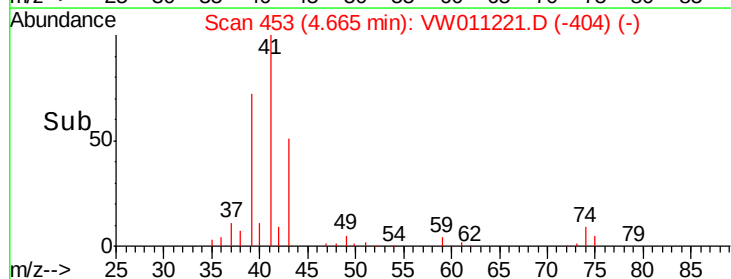
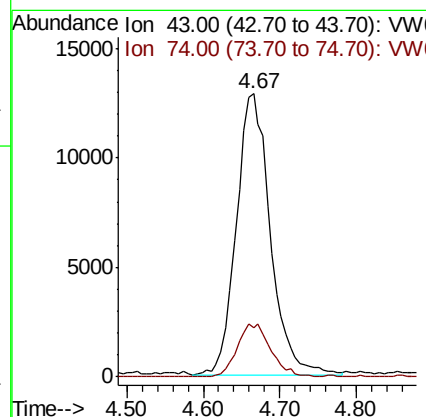
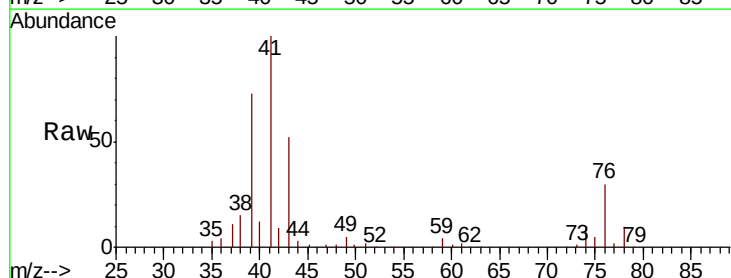
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

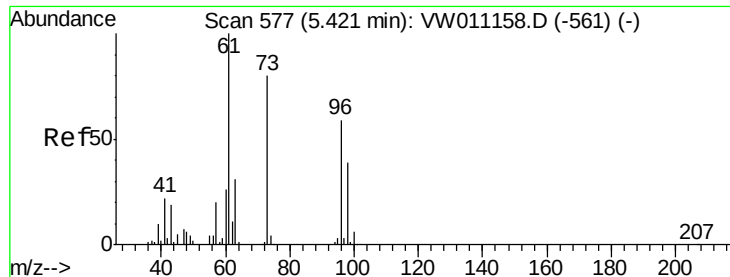
Tot Ion: 76 Resp: 129960
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 19.182 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 43 Resp: 39412
Ion Ratio Lower Upper
43 100
74 18.6 15.7 23.5

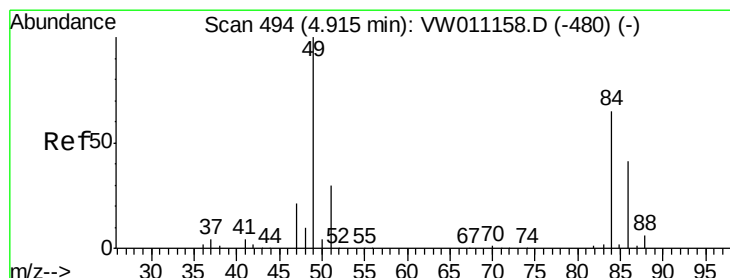
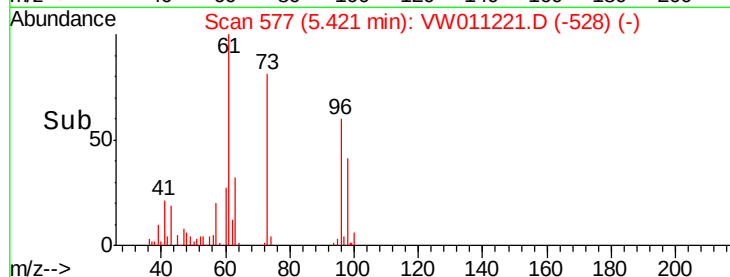
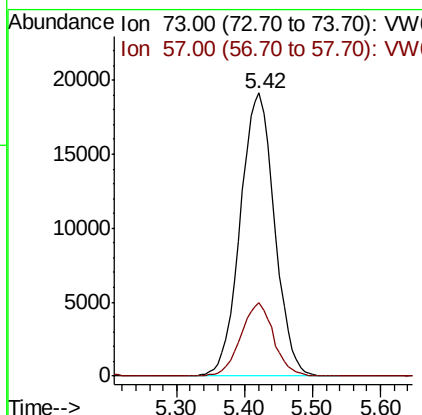
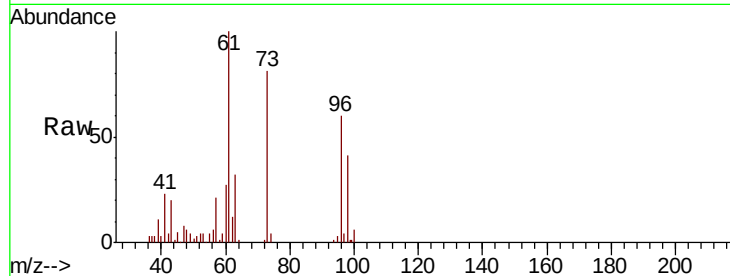




#19
Methyl tert-butyl Ether
Concen: 17.376 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

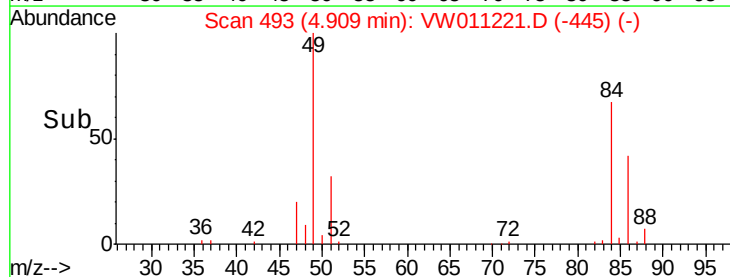
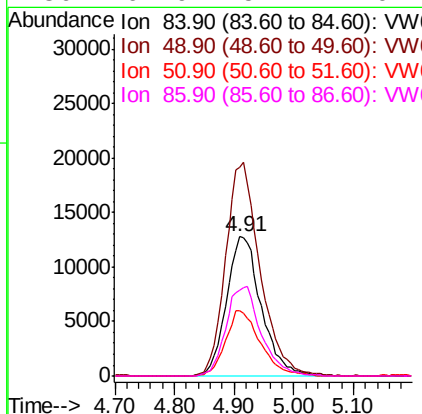
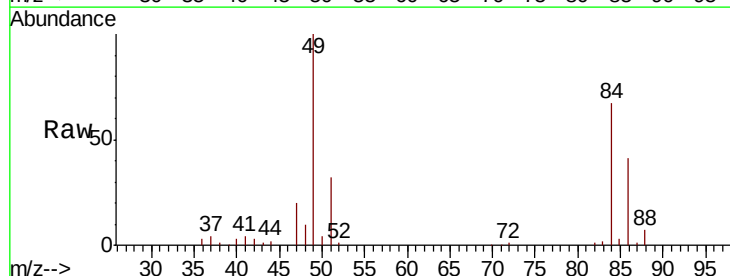
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

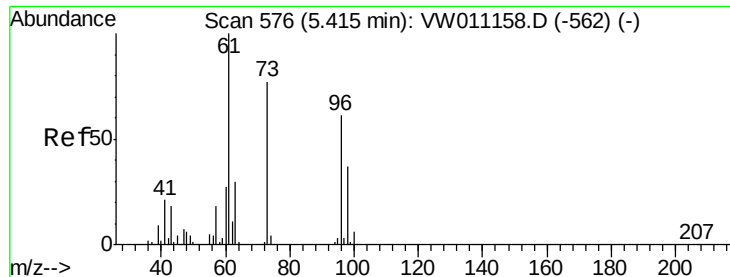
Tot Ion: 73 Resp: 66955
Ion Ratio Lower Upper
73 100
57 26.1 19.7 29.5



#20
Methylene Chloride
Concen: 18.973 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 84 Resp: 51730
Ion Ratio Lower Upper
84 100
49 149.5 123.8 185.6
51 47.1 37.4 56.2
86 61.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.081 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

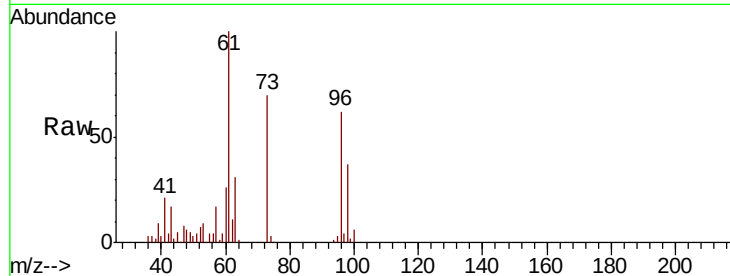
Tot Ion: 96 Resp: 47712

Ion Ratio Lower Upper

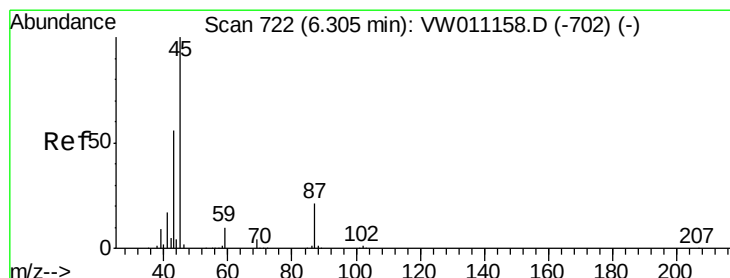
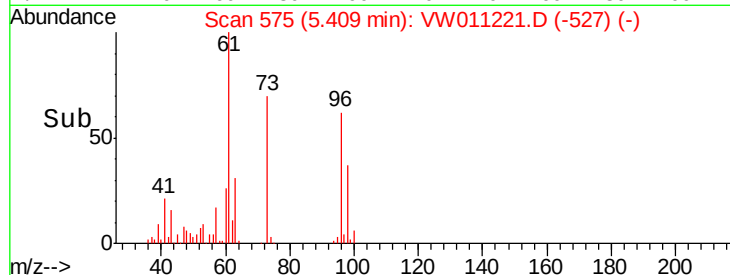
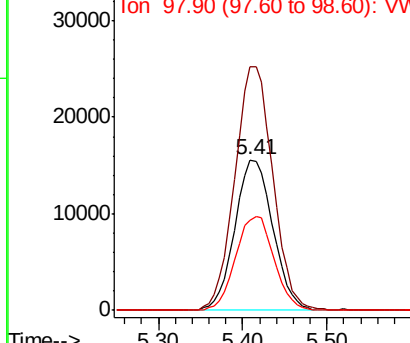
96 100

61 161.1 132.2 198.2

98 59.6 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.272 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion: 45 Resp: 181998

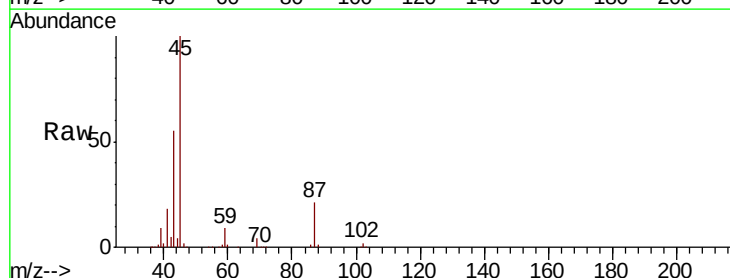
Ion Ratio Lower Upper

45 100

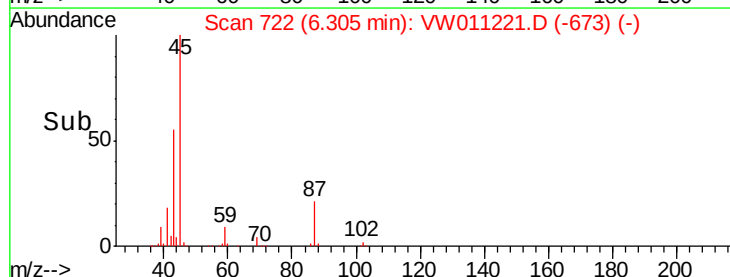
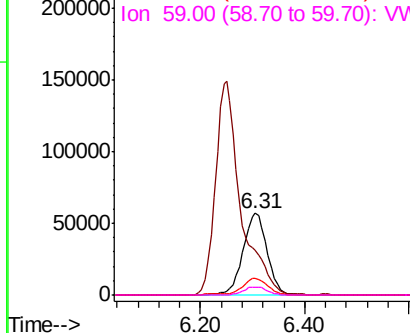
43 55.2 44.6 66.8

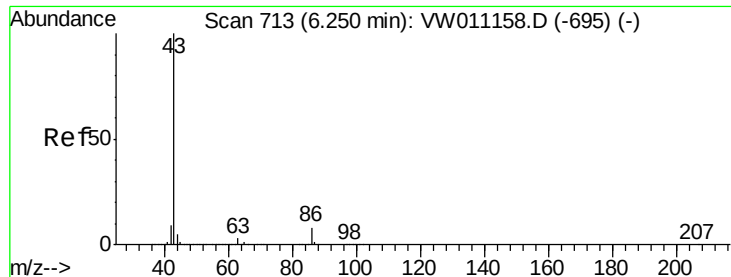
87 20.9 17.3 25.9

59 9.4 8.2 12.2



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





#23

Vinyl Acetate

Concen: 81.912 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

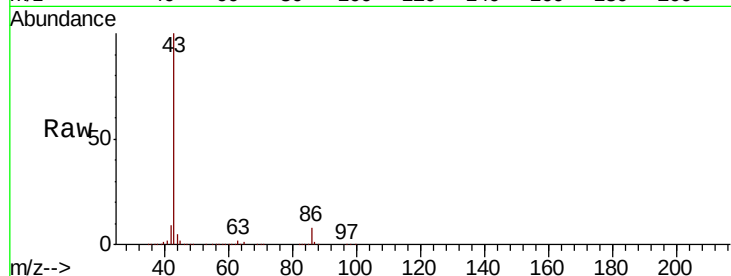
VW0712SBS01

Tot Ion: 43 Resp: 504917

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

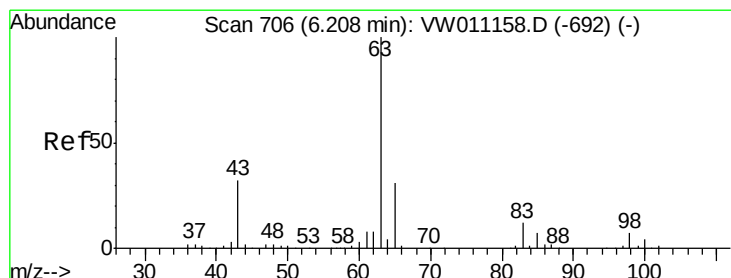
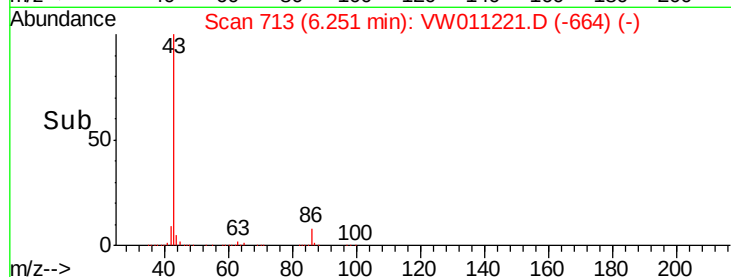
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.174 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

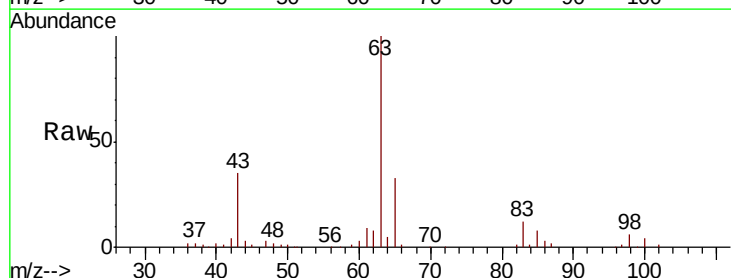
Tgt Ion: 63 Resp: 95058

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

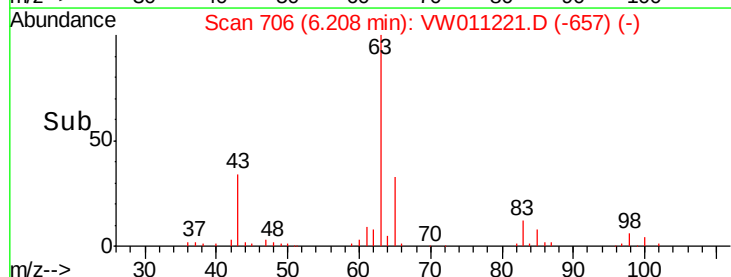
30000

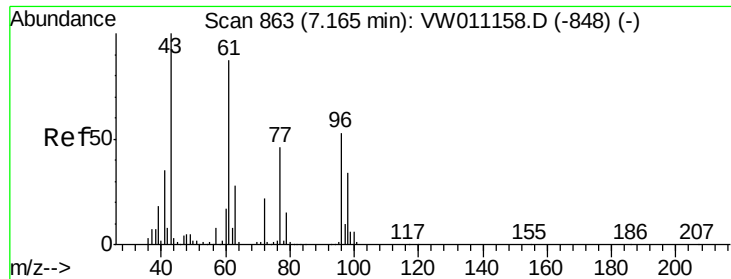
20000

10000

0

Time-->





#25

2-Butanone

Concen: 80.739 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

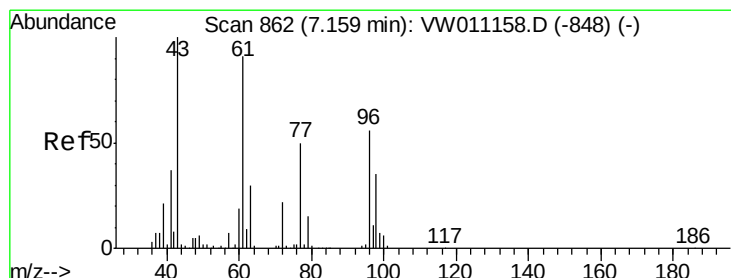
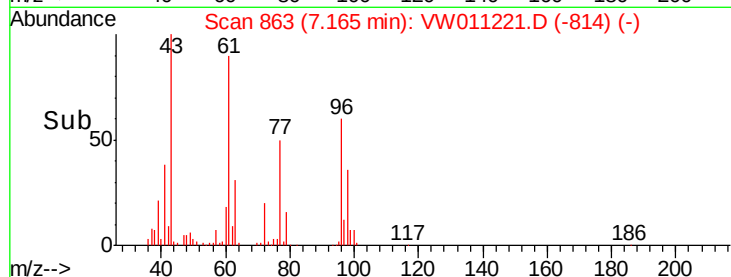
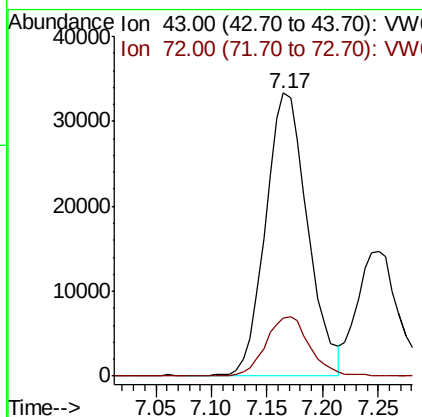
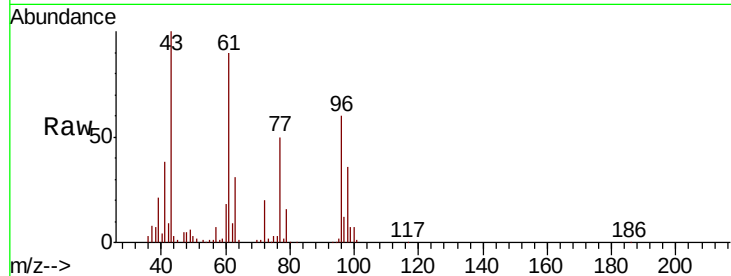
VW0712SBS01

Tot Ion: 43 Resp: 87595

Ion Ratio Lower Upper

43 100

72 20.4 17.6 26.4



#26

2,2-Dichloropropane

Concen: 18.169 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011221.D

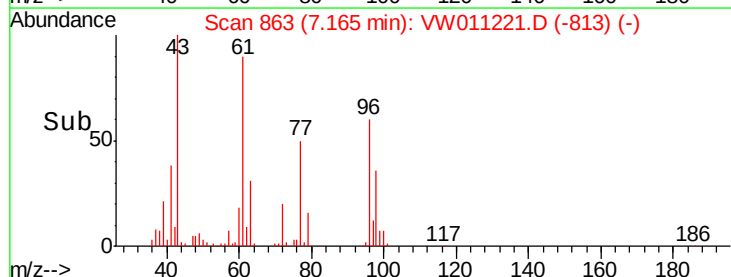
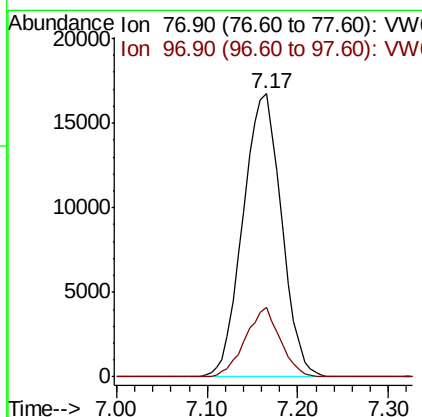
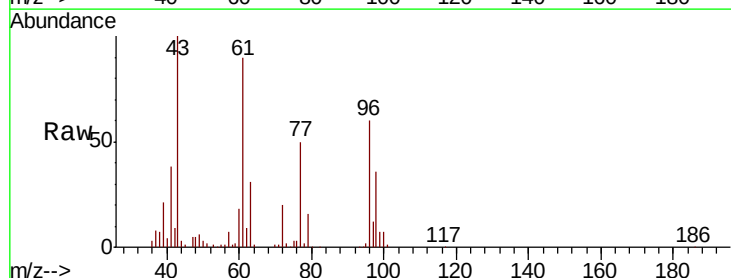
Acq: 11 Jul 2019 11:35

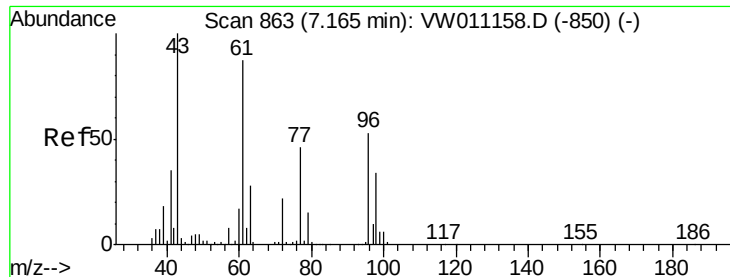
Tgt Ion: 77 Resp: 49397

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5



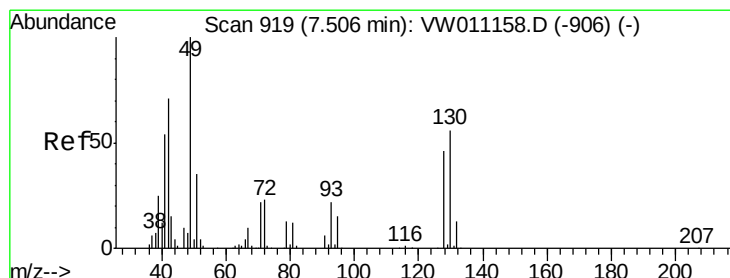
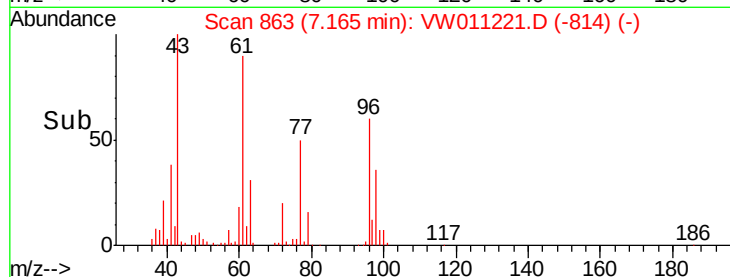
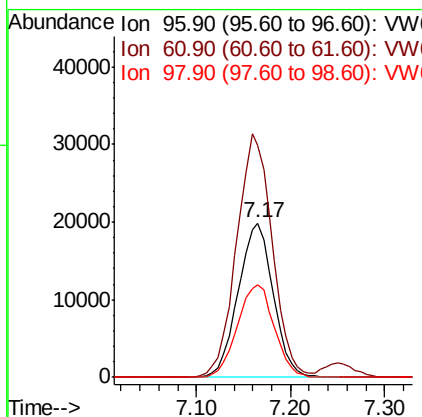
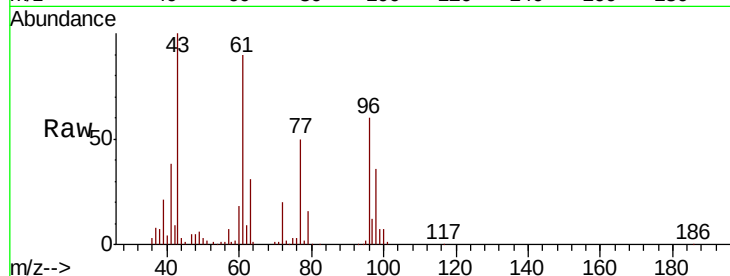


#27

cis-1,2-Dichloroethene
Concen: 18.137 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

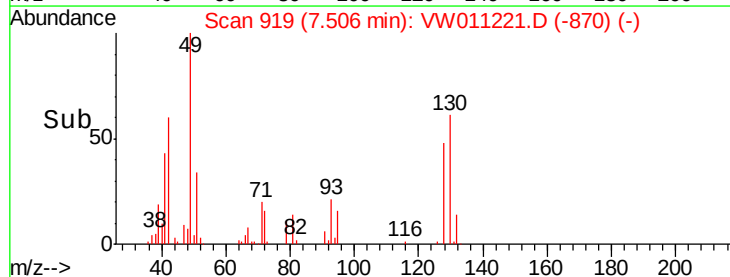
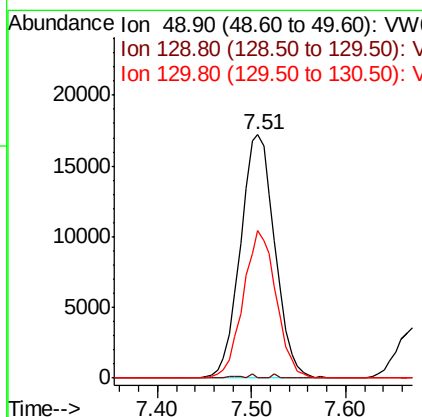
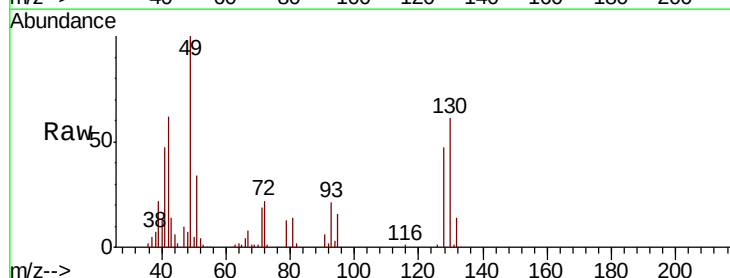
Tot Ion: 96 Resp: 51628
Ion Ratio Lower Upper
96 100
61 160.5 0.0 325.6
98 63.0 0.0 128.2

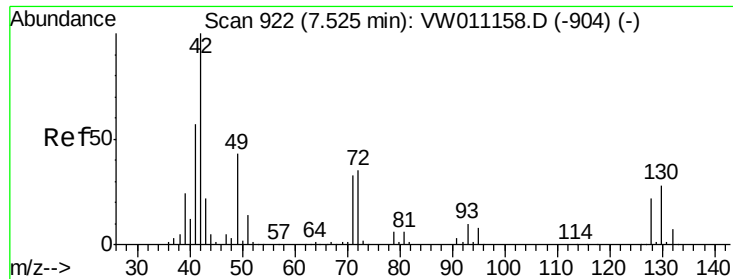


#28

Bromochloromethane
Concen: 18.488 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 49 Resp: 43968
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 58.1 45.8 68.8

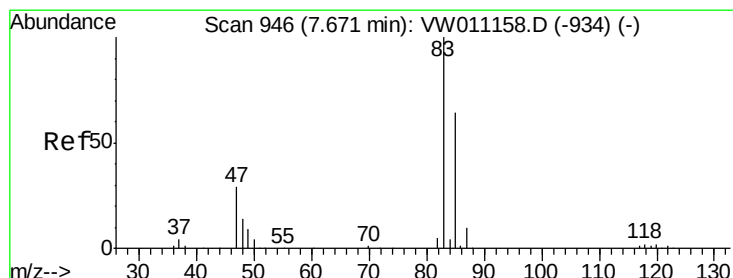
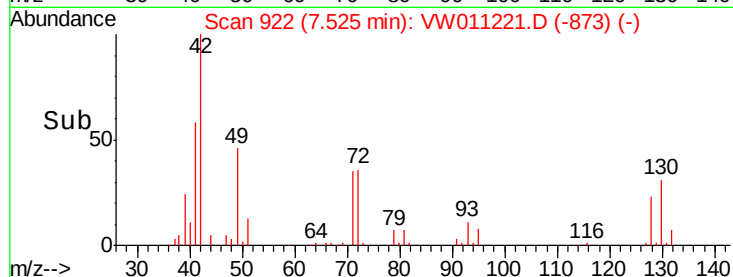
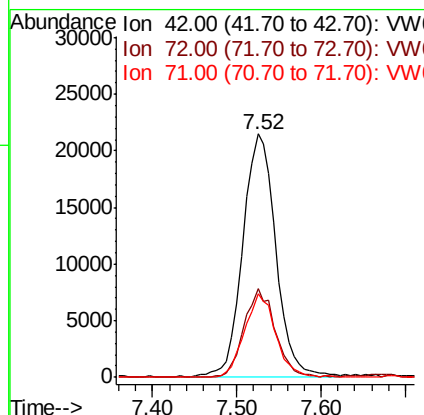
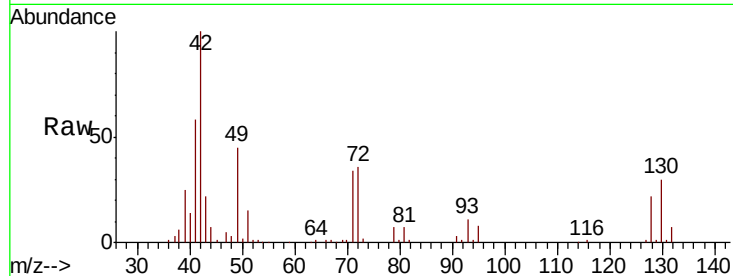




#29
Tetrahydrofuran
Concen: 80.327 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

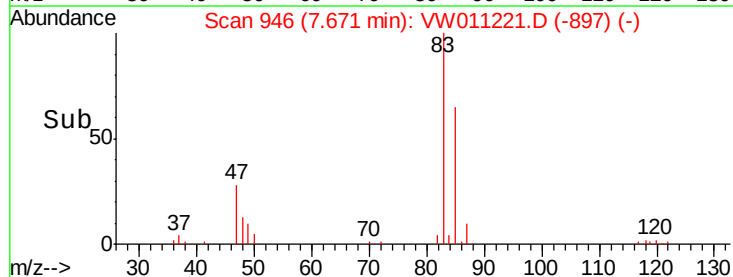
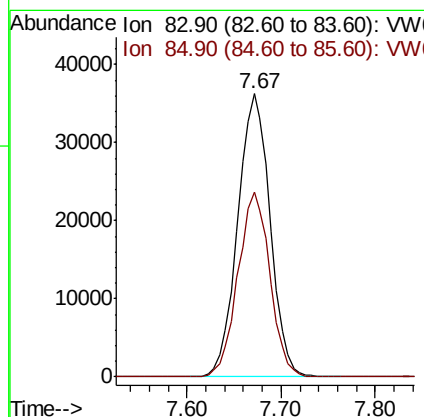
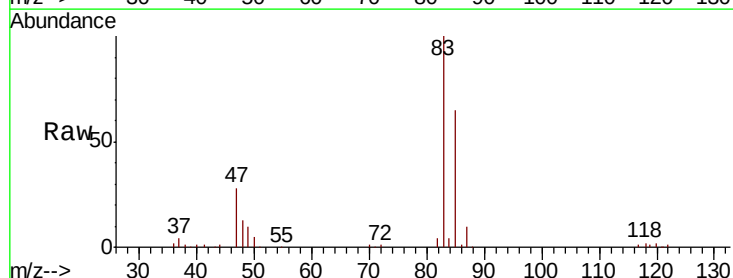
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

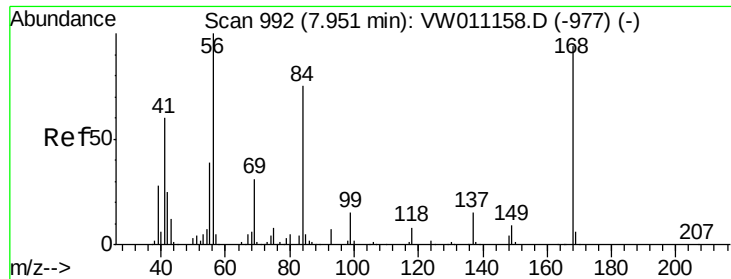
Tot Ion: 42 Resp: 57144
Ion Ratio Lower Upper
42 100
72 34.4 27.4 41.2
71 32.2 25.9 38.9



#30
Chloroform
Concen: 17.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 83 Resp: 86688
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.2

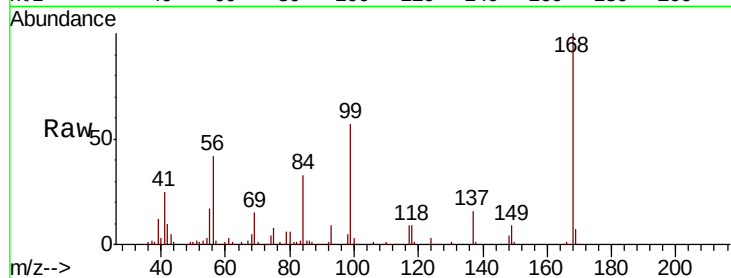




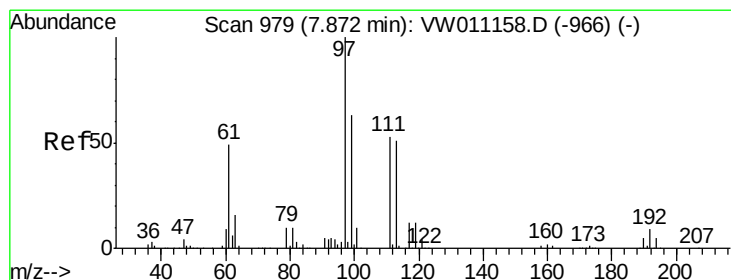
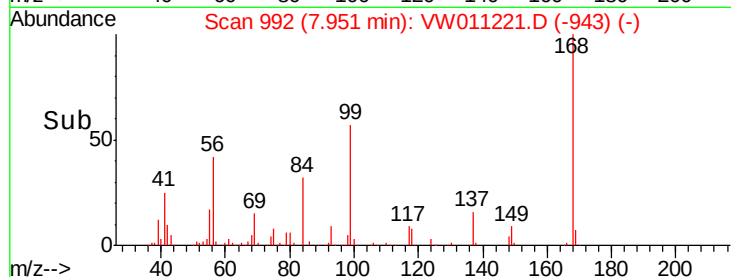
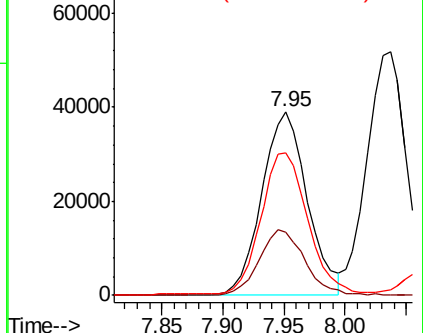
#31
Cyclohexane
Concen: 18.148 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion: 56 Resp: 100979
Ion Ratio Lower Upper
56 100
69 34.4 24.6 36.8
84 76.7 60.1 90.1

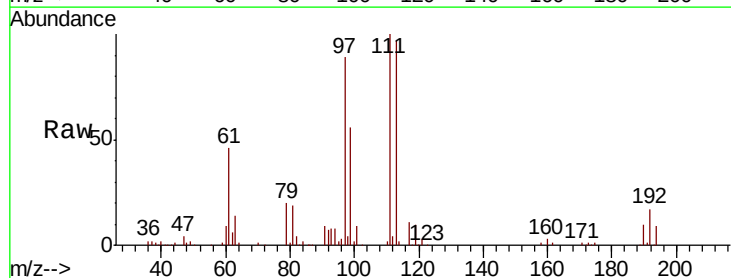


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

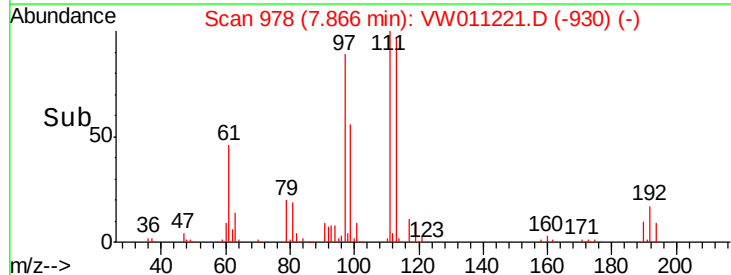
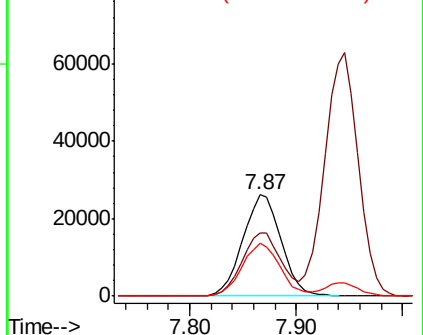


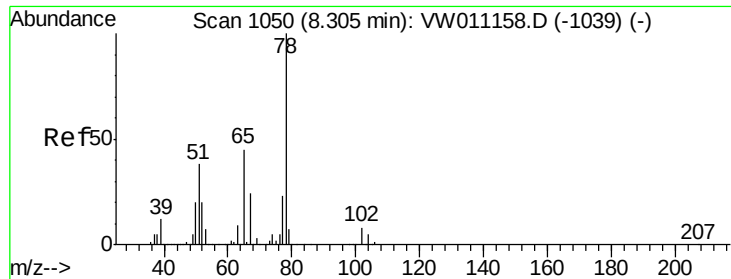
#32
1,1,1-Trichloroethane
Concen: 17.972 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 97 Resp: 66219
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 52.2 40.4 60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

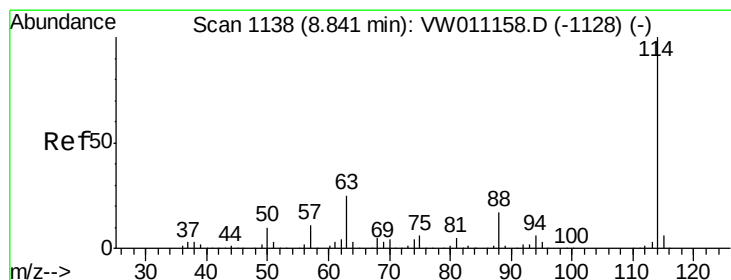
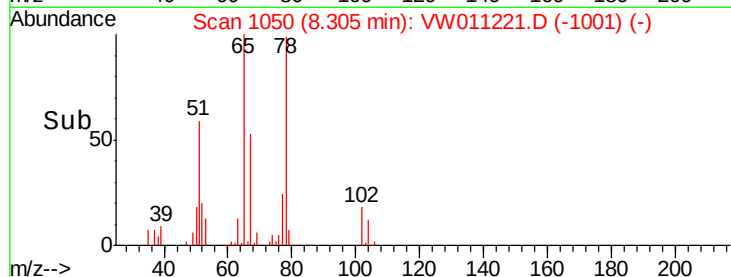
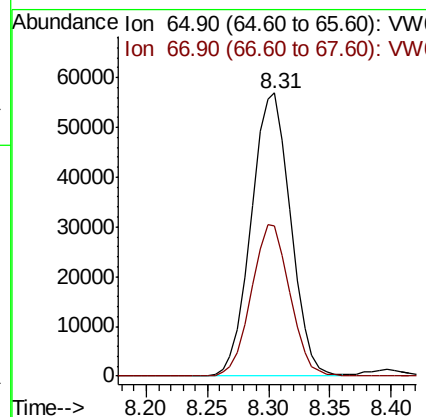
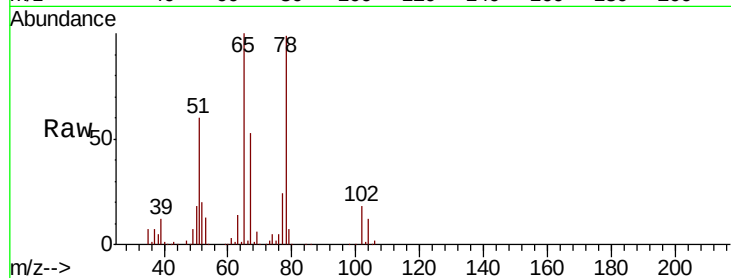




#33
 1,2-Dichloroethane-d4
 Concen: 44.302 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

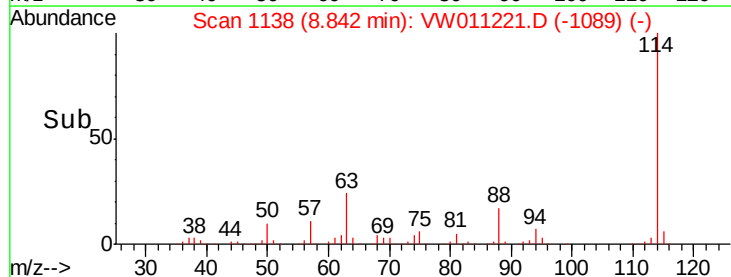
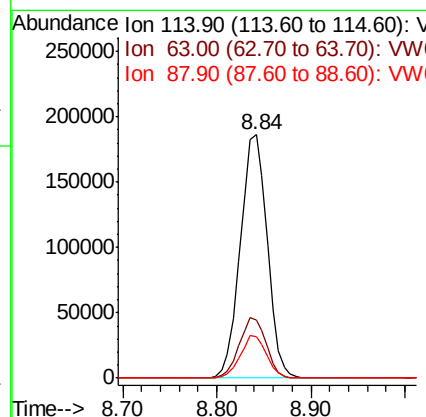
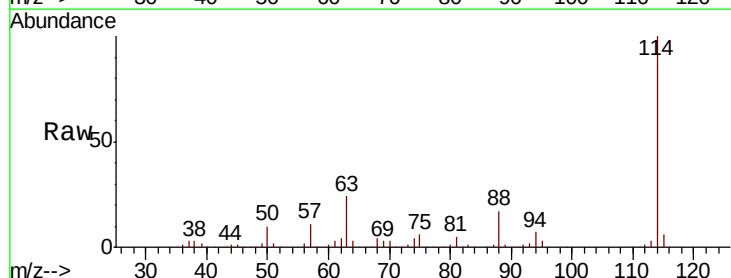
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

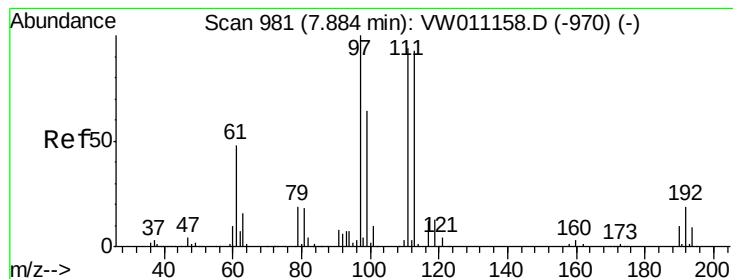
Tot Ion: 65 Resp: 127257
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion: 114 Resp: 370737
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 46.162 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

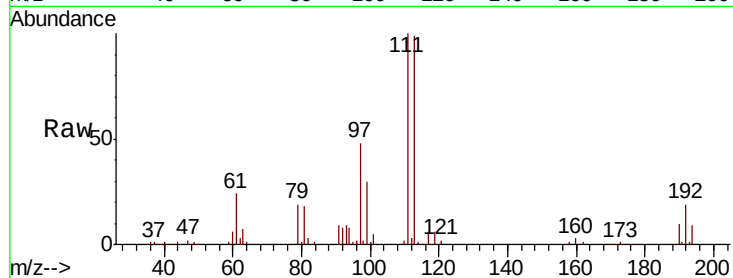
Tot Ion:113 Resp: 102007

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

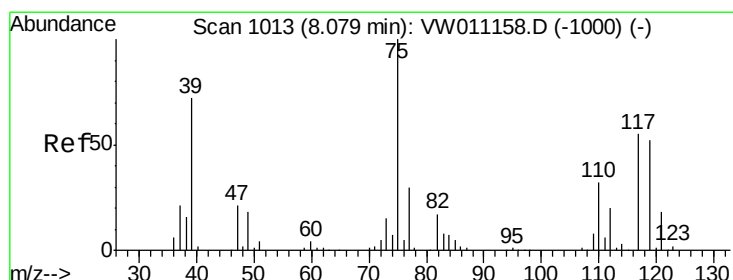
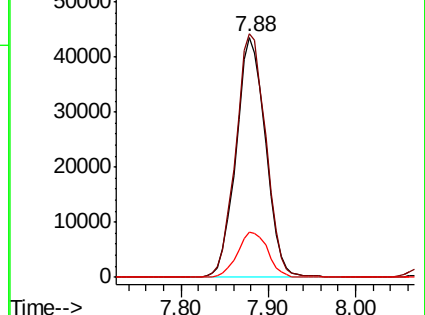
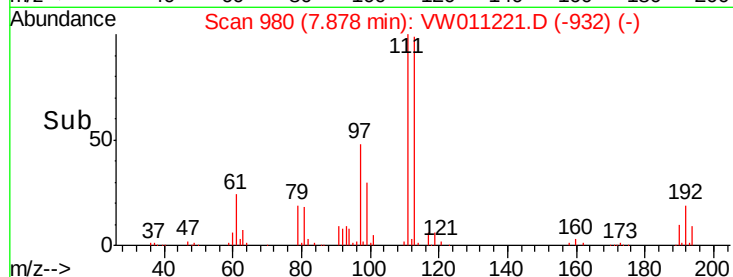
192 19.4 15.8 23.8



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: 18.744 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

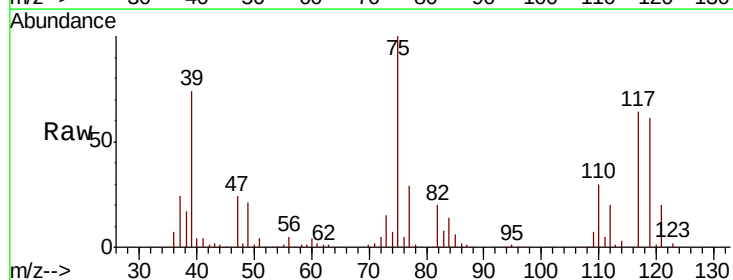
Tgt Ion: 75 Resp: 74002

Ion Ratio Lower Upper

75 100

110 31.2 15.9 47.6

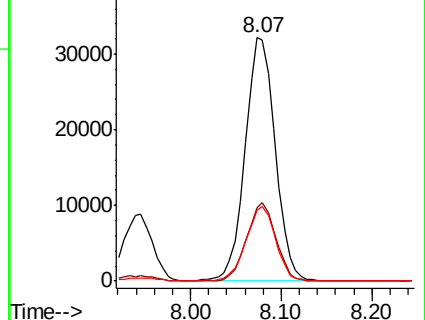
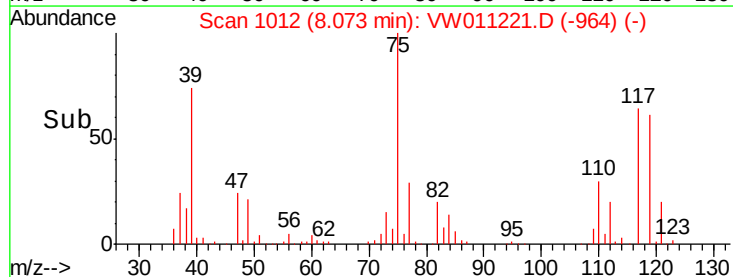
77 30.5 24.6 36.8

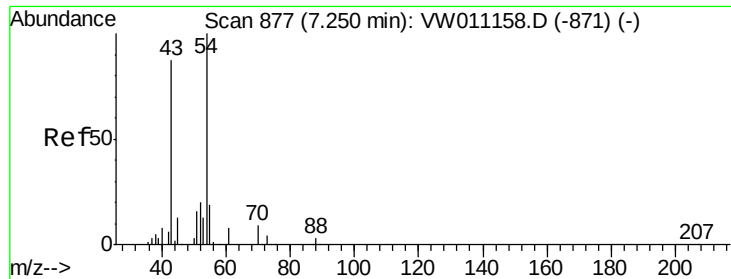


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

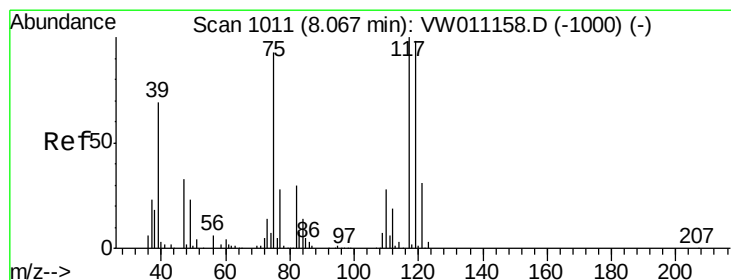
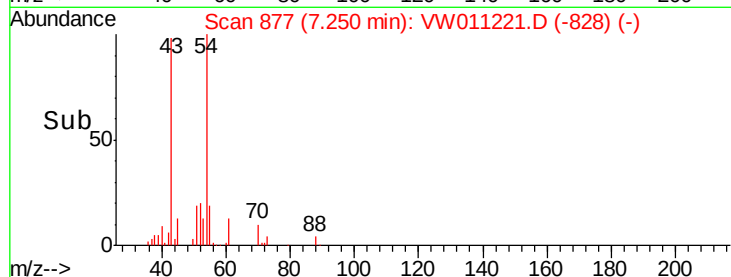
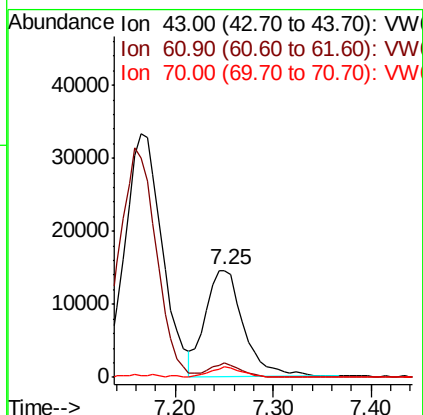
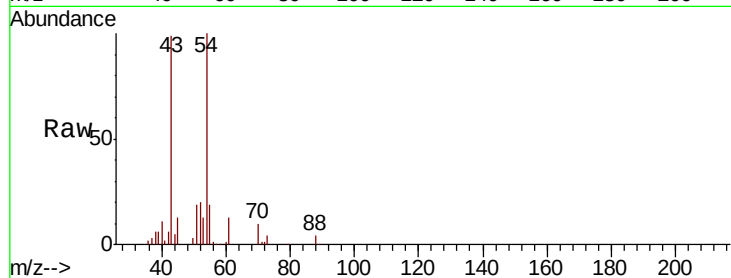




#37
Ethyl Acetate
Concen: 16.535 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

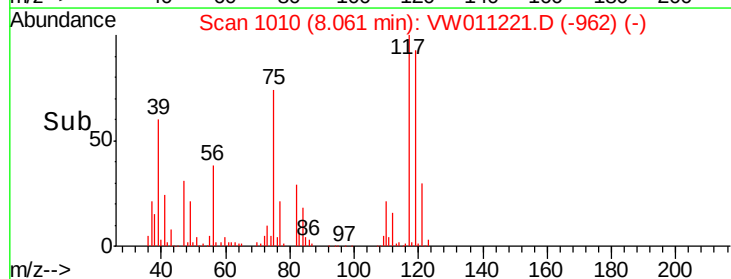
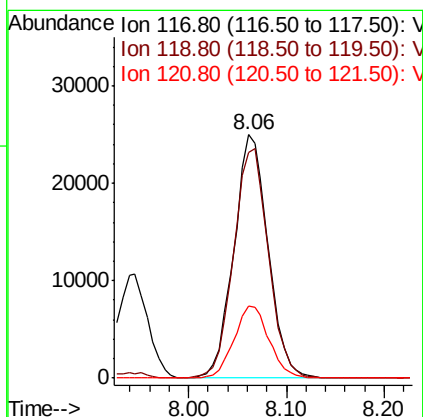
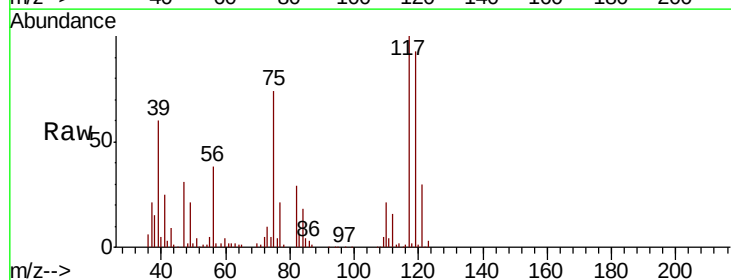
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

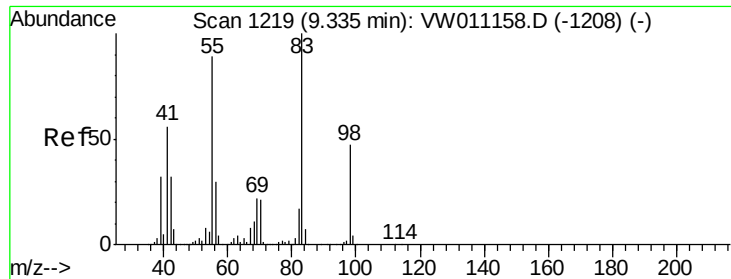
Tot Ion: 43 Resp: 39221
Ion Ratio Lower Upper
43 100
61 11.4 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.042 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 117 Resp: 60383
Ion Ratio Lower Upper
117 100
119 92.8 78.1 117.1
121 29.8 25.1 37.7

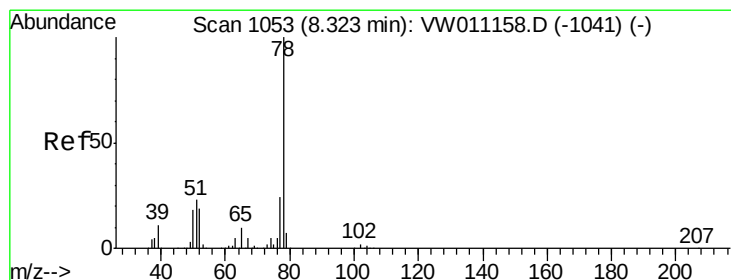
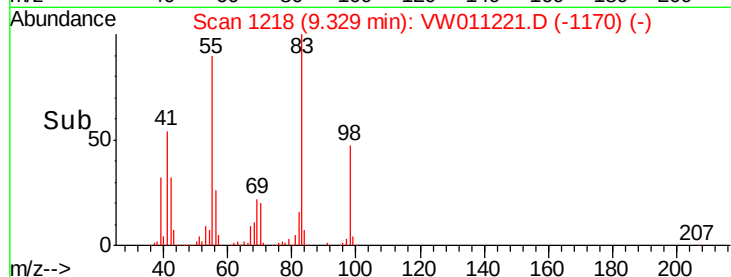
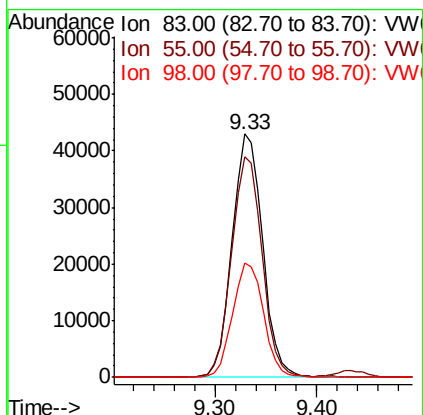
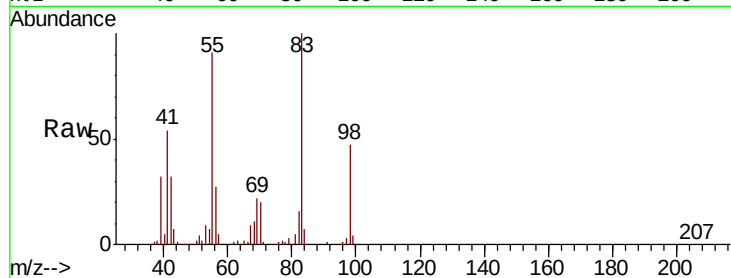




#39
Methylvlcyclohexane
Concen: 18.575 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

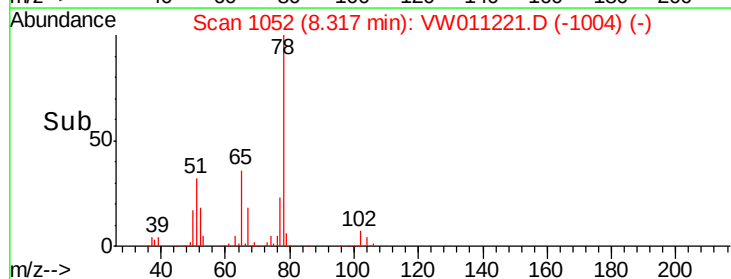
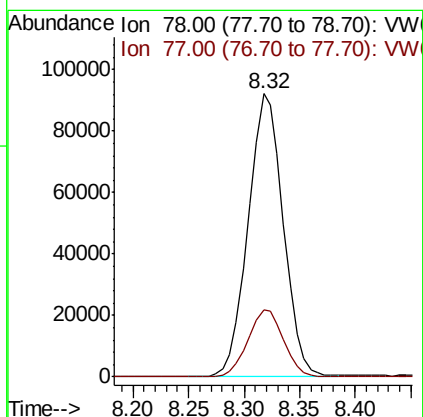
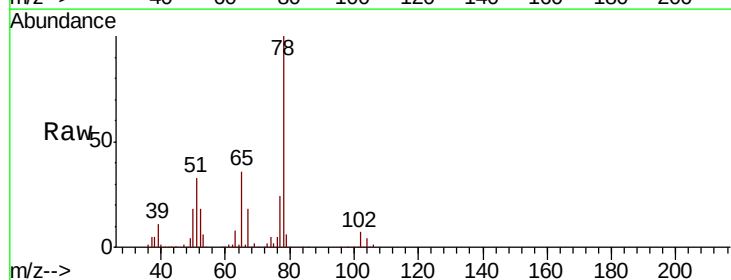
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

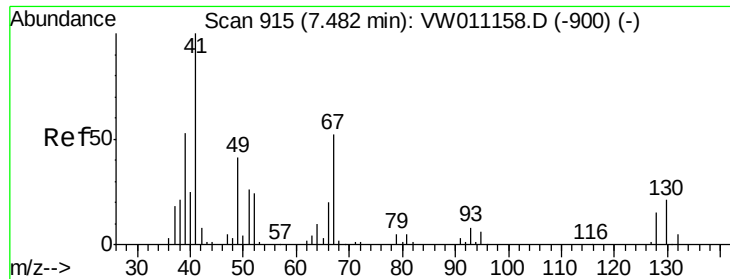
Tot Ion: 83 Resp: 88886
Ion Ratio Lower Upper
83 100
55 90.6 71.2 106.8
98 46.8 37.5 56.3



#40
Benzene
Concen: 18.547 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 78 Resp: 202363
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

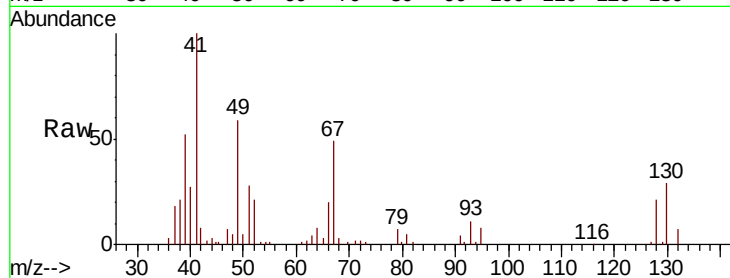




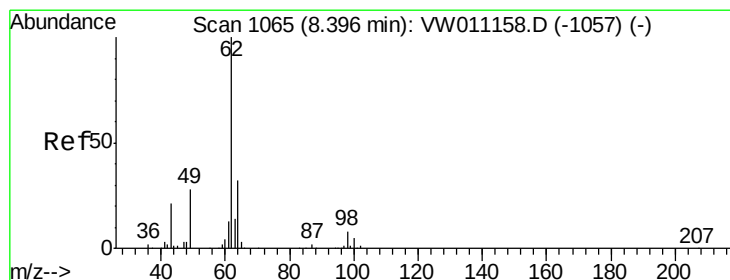
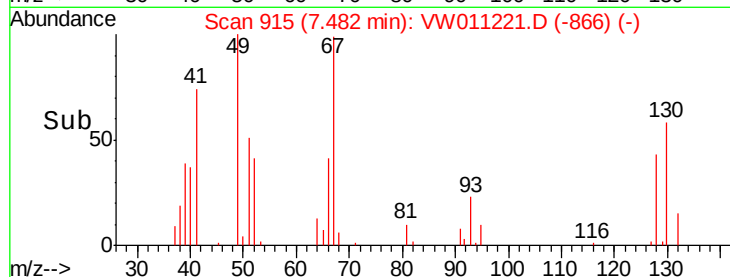
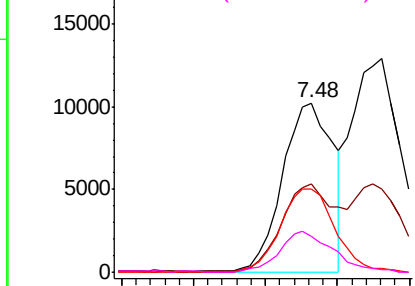
#41
Methacrylonitrile
Concen: 18.477 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:	41	Resp:	25067
Ion	Ratio	Lower	Upper
41	100		
39	58.5	48.0	72.0
67	53.5	49.7	74.5
52	25.6	23.4	35.0

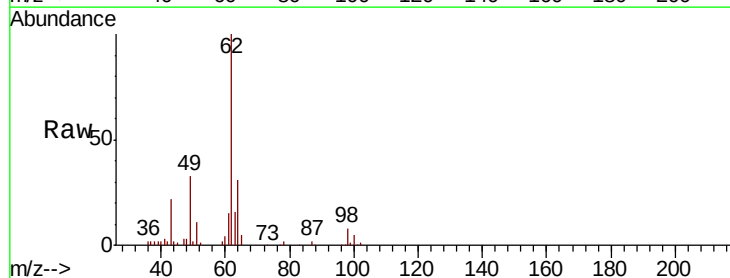


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

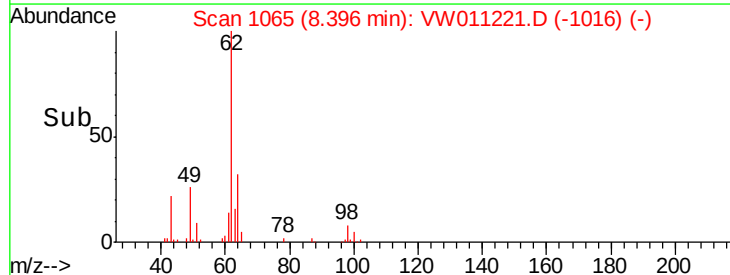
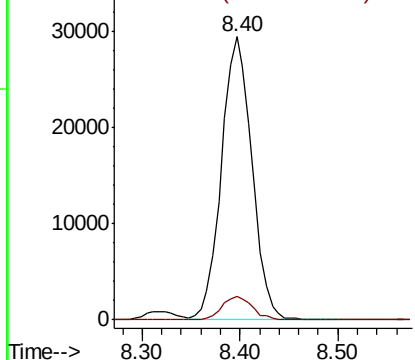


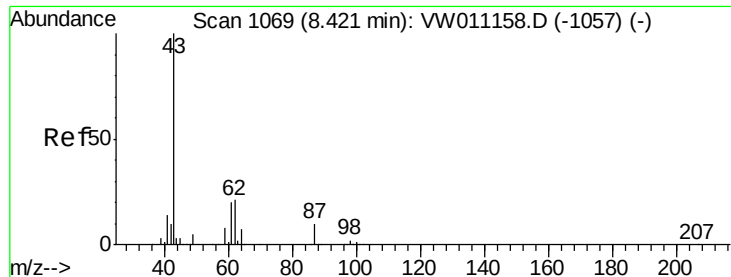
#42
1,2-Dichloroethane
Concen: 18.010 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:	62	Resp:	63743
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 16.429 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

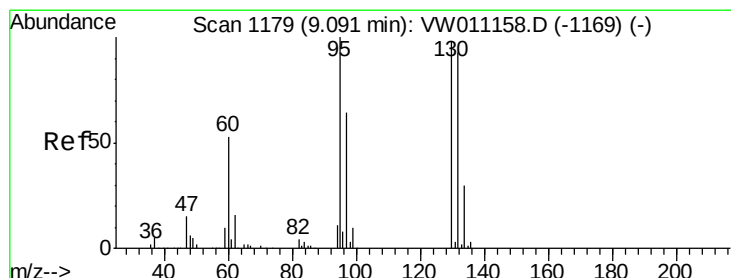
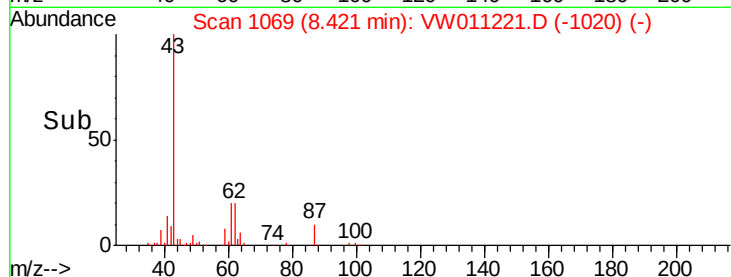
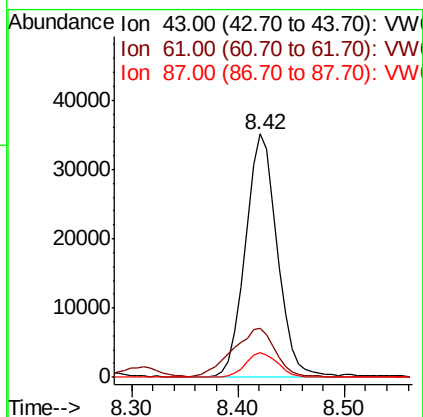
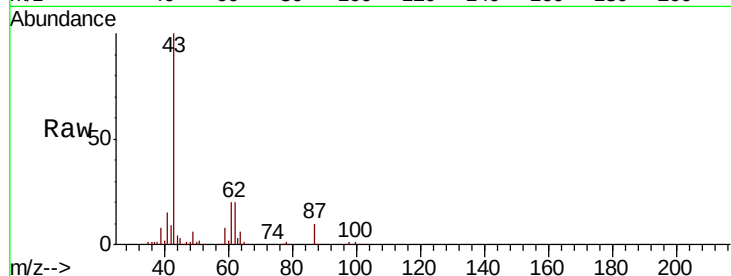
Tot Ion: 43 Resp: 73574

Ion Ratio Lower Upper

43 100

61 27.2 20.7 31.1

87 10.4 8.1 12.1



#44

Trichloroethene

Concen: 18.524 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011221.D

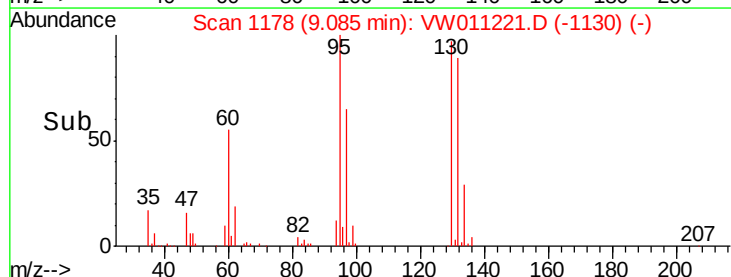
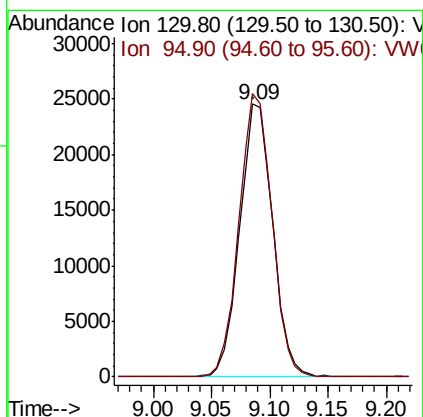
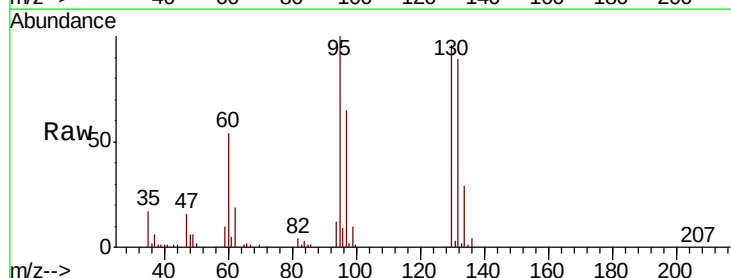
Acq: 11 Jul 2019 11:35

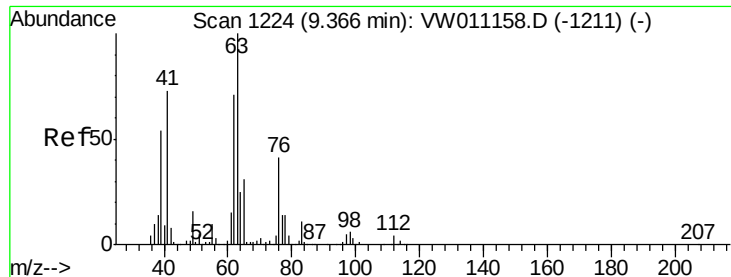
Tgt Ion: 130 Resp: 48635

Ion Ratio Lower Upper

130 100

95 103.8 0.0 203.6





#45

1,2-Dichloropropane

Concen: 18.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

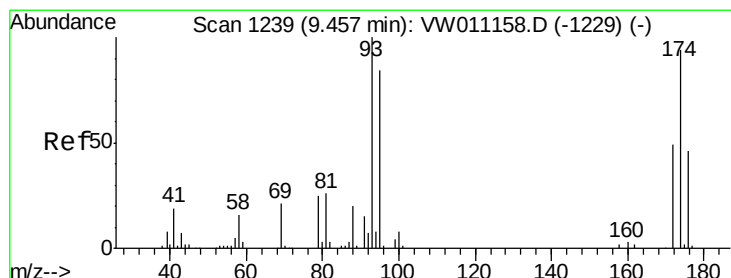
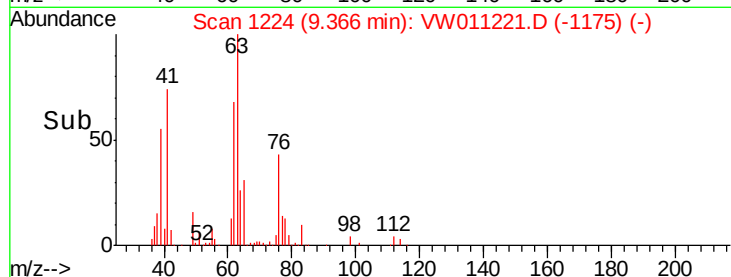
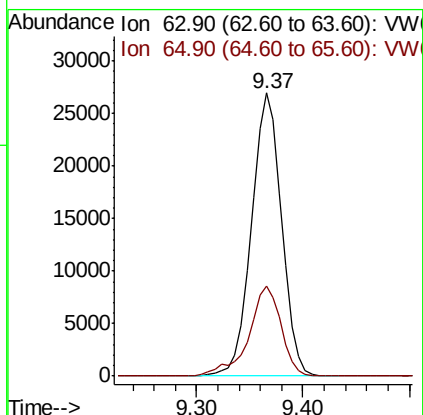
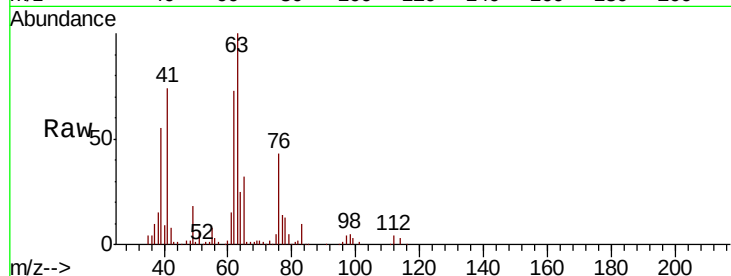
VW0712SBS01

Tot Ion: 63 Resp: 53317

Ion Ratio Lower Upper

63 100

65 32.0 24.4 36.6



#46

Dibromomethane

Concen: 17.310 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

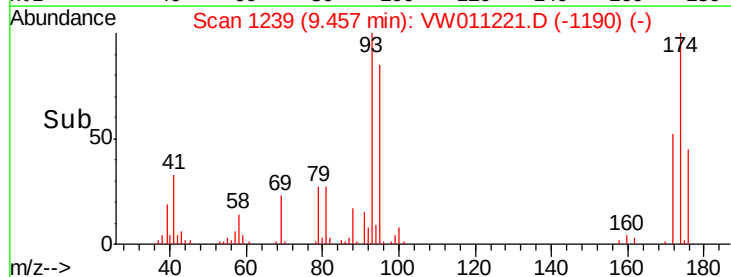
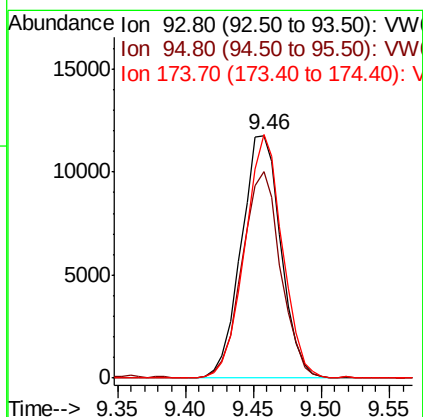
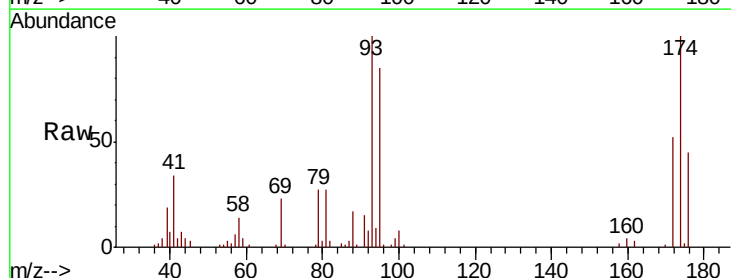
Tgt Ion: 93 Resp: 24025

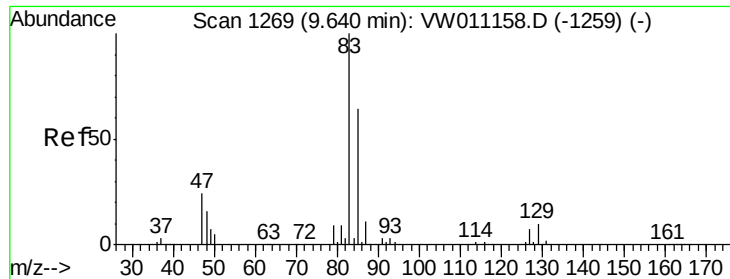
Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 95.1 76.3 114.5

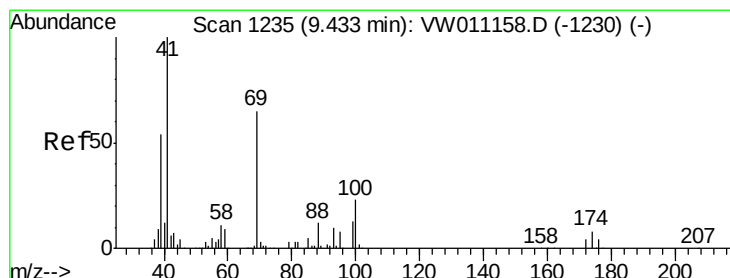
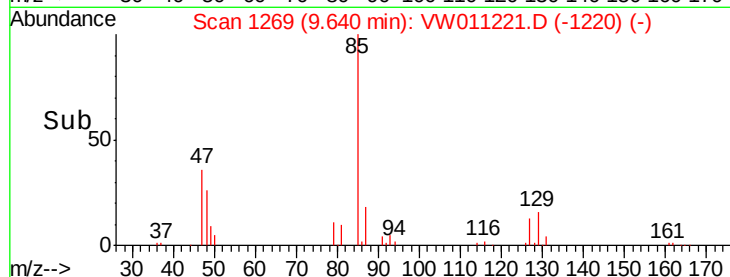
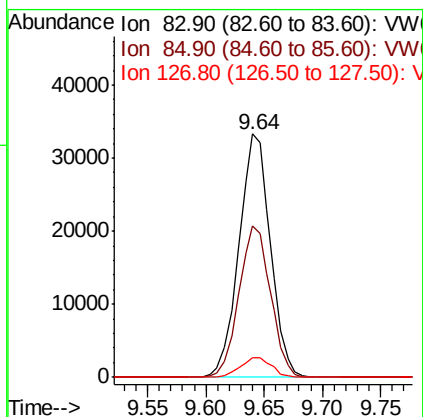
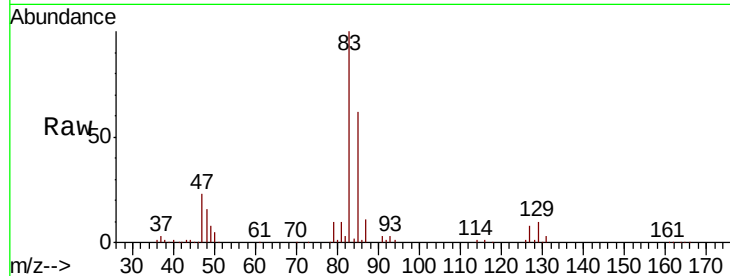




#47
Bromodichloromethane
Concen: 17.650 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

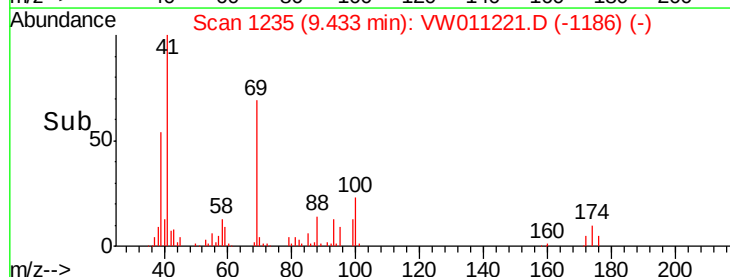
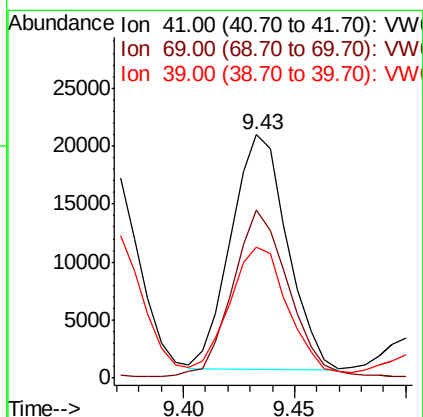
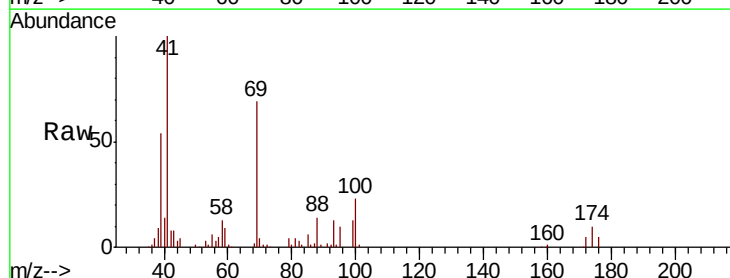
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

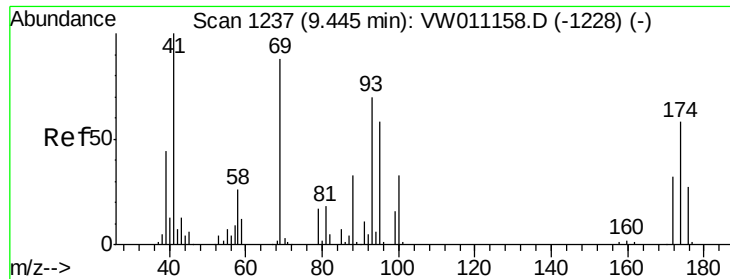
Tot Ion: 83 Resp: 62678
Ion Ratio Lower Upper
83 100
85 61.9 51.0 76.4
127 8.2 6.0 9.0



#48
Methyl methacrylate
Concen: 16.419 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 41 Resp: 35376
Ion Ratio Lower Upper
41 100
69 73.7 56.0 84.0
39 54.4 43.5 65.3





#49

1,4-Dioxane

Concen: 353.782 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

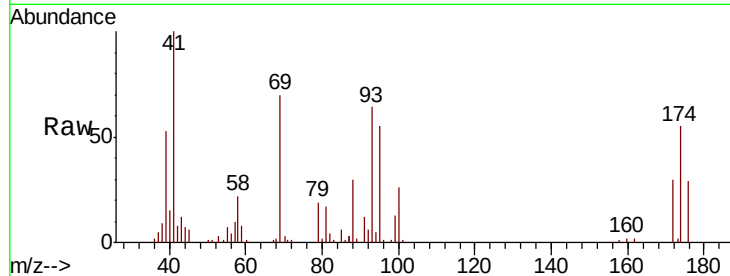
Tot Ion: 88 Resp: 8196

Ion Ratio Lower Upper

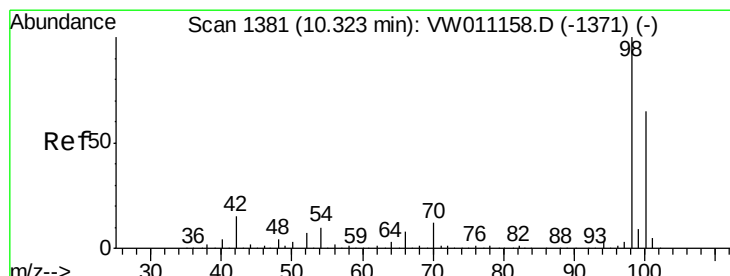
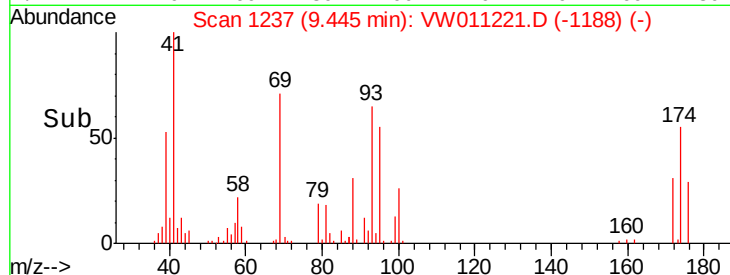
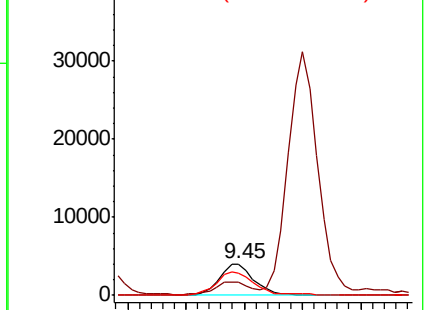
88 100

43 40.7 33.4 50.0

58 81.6 64.5 96.7



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



#50

Toluene-d8

Concen: 47.444 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011221.D

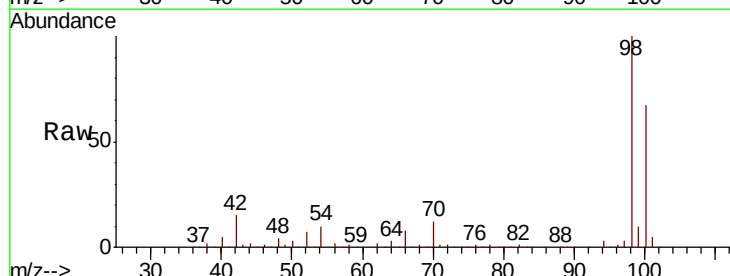
Acq: 11 Jul 2019 11:35

Tgt Ion: 98 Resp: 423776

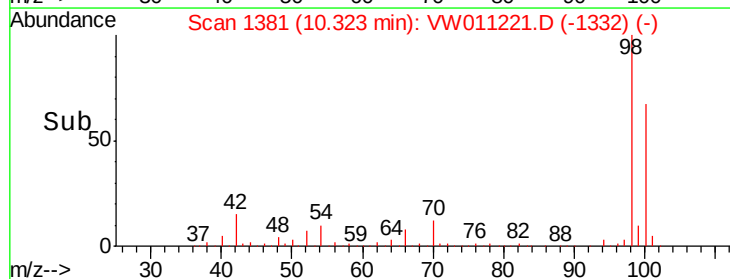
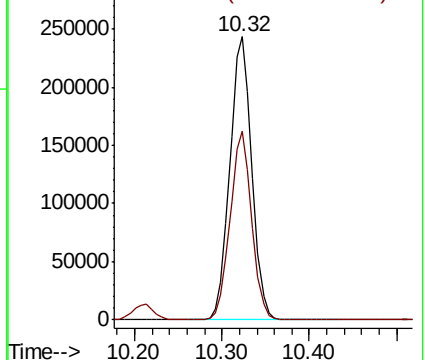
Ion Ratio Lower Upper

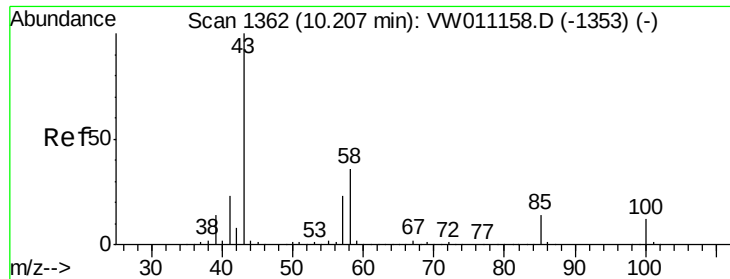
98 100

100 65.3 52.4 78.6



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





#51

4-Methyl-2-Pentanone

Concen: 82.012 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

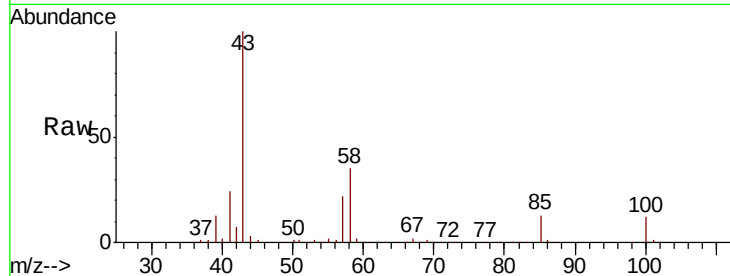
VW0712SBS01

Tot Ion: 43 Resp: 191860

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

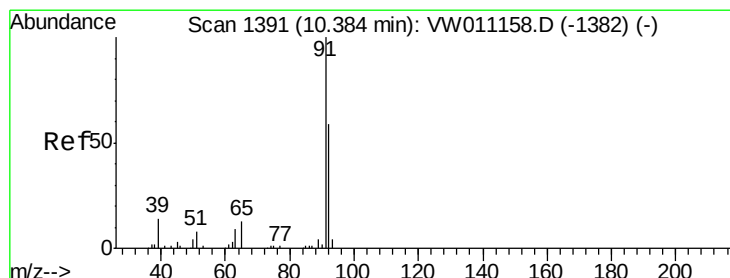
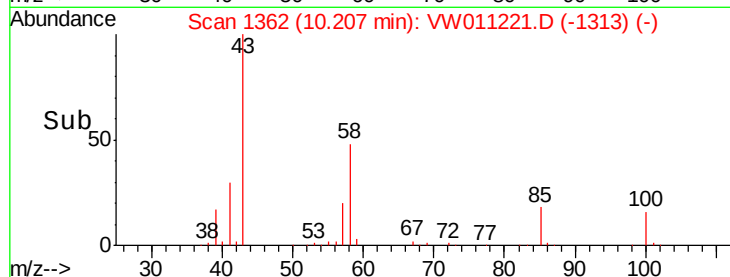
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 18.534 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011221.D

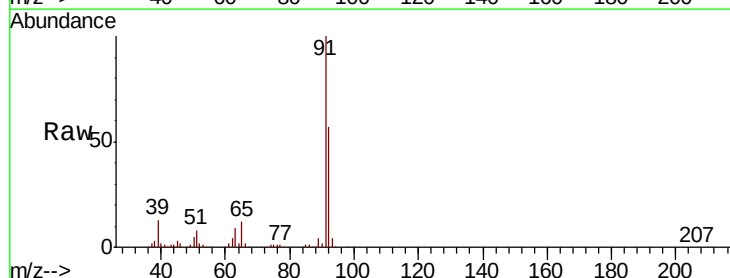
Acq: 11 Jul 2019 11:35

Tgt Ion: 92 Resp: 122669

Ion Ratio Lower Upper

92 100

91 172.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

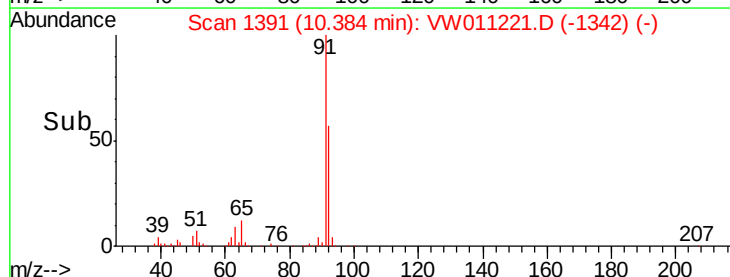
10.38

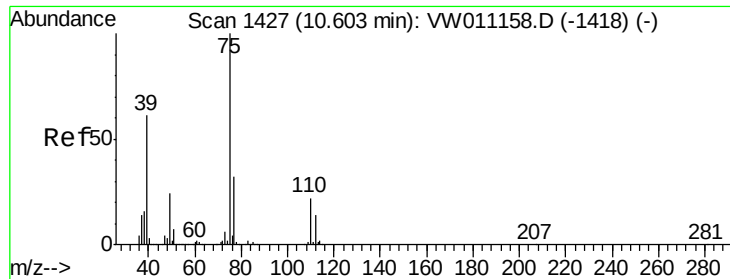
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.872 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

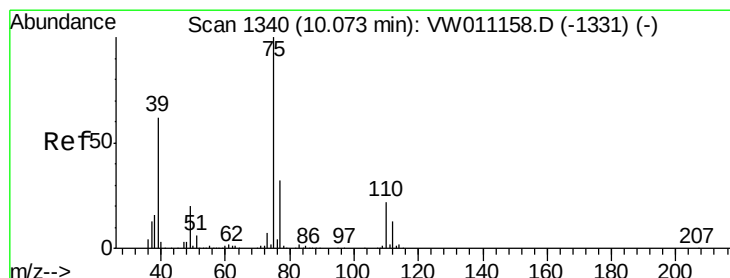
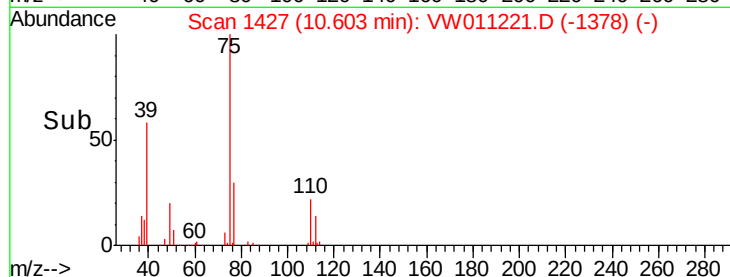
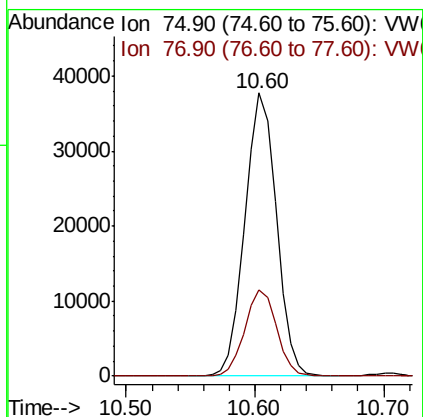
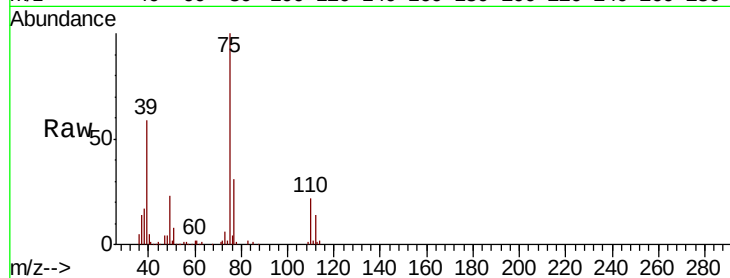
VW0712SBS01

Tot Ion: 75 Resp: 63778

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 17.447 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

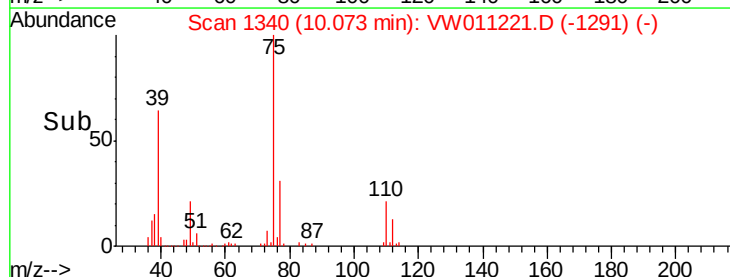
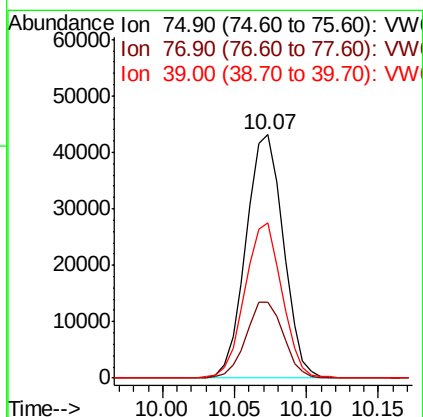
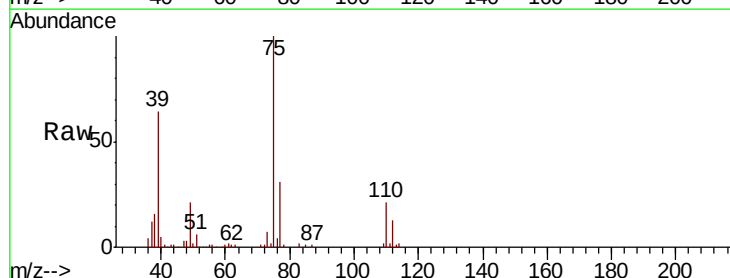
Tgt Ion: 75 Resp: 77626

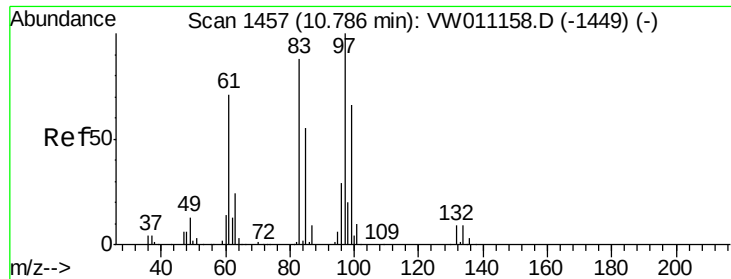
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 63.8 49.8 74.8



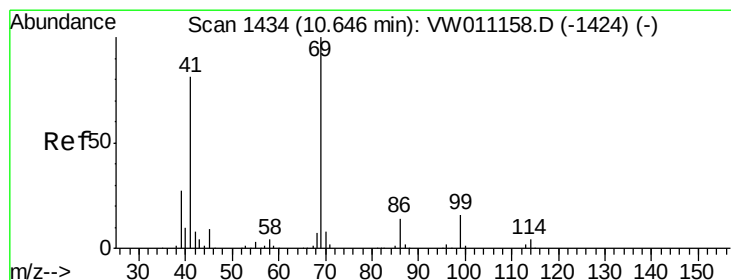
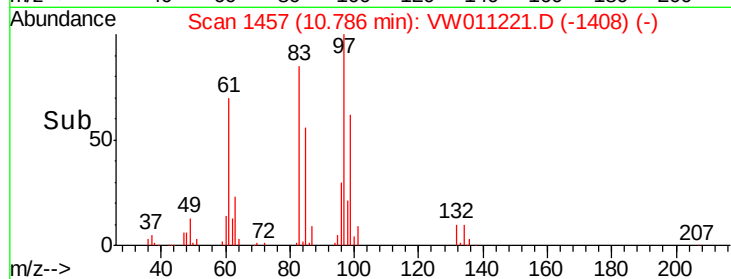
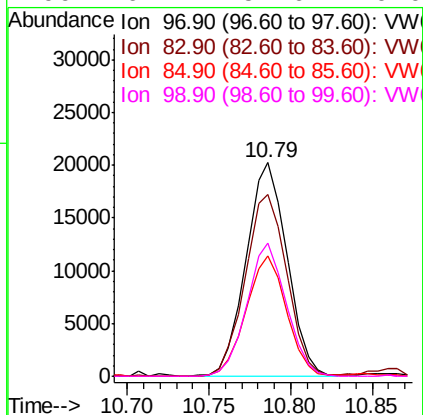
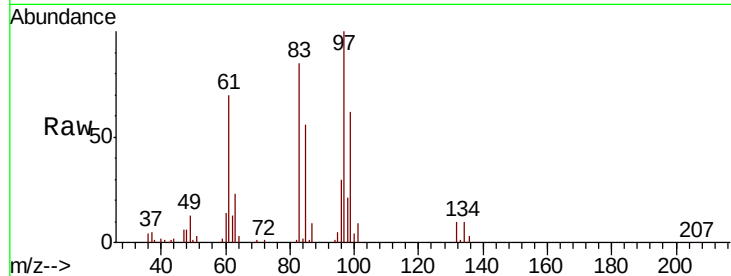


#55
 1,1,2-Trichloroethane
 Concen: 17.932 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion: 97 Resp: 35307

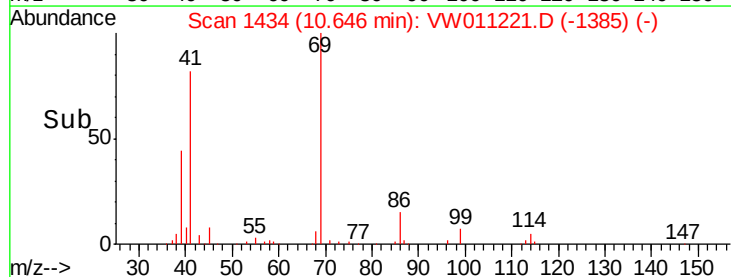
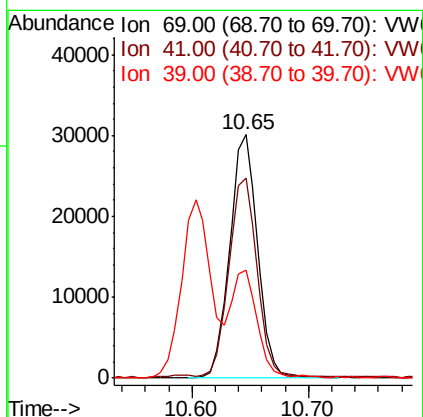
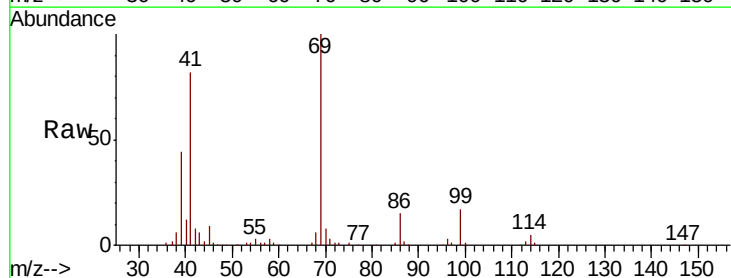
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.2	105.4
85	56.5	44.2	66.2
99	62.1	52.6	79.0

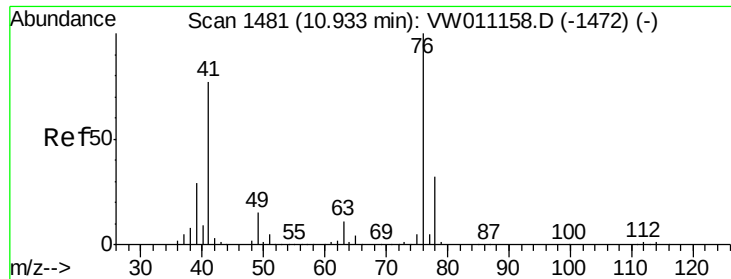


#56
 Ethyl methacrylate
 Concen: 16.778 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion: 69 Resp: 50296

Ion	Ratio	Lower	Upper
69	100		
41	81.5	66.5	99.7
39	40.2	32.5	48.7

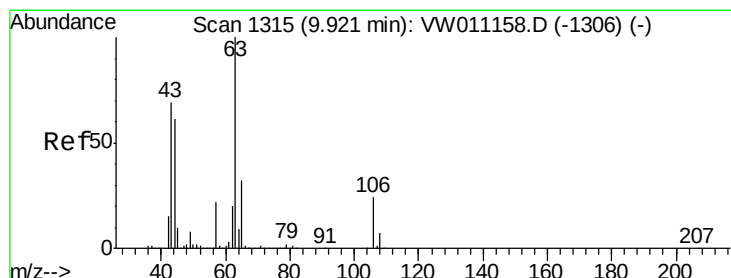
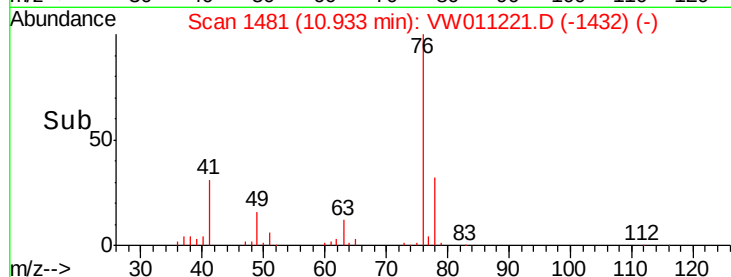
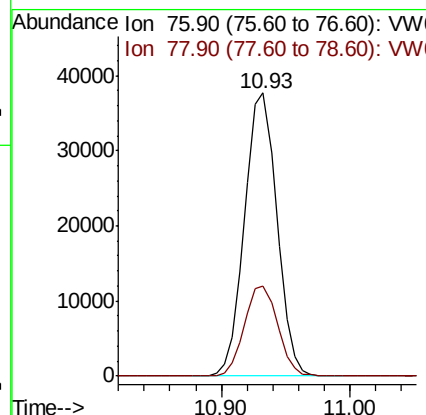
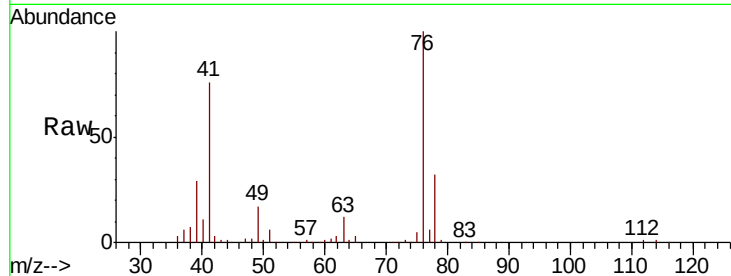




#57
 1,3-Dichloropropane
 Concen: 17.617 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

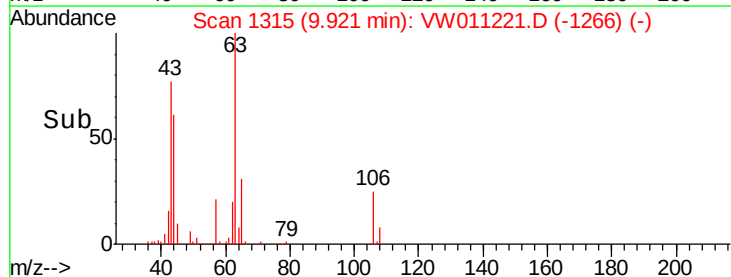
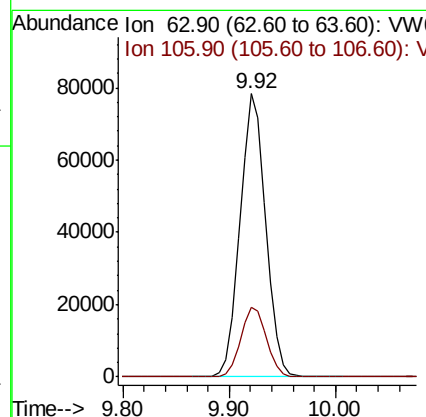
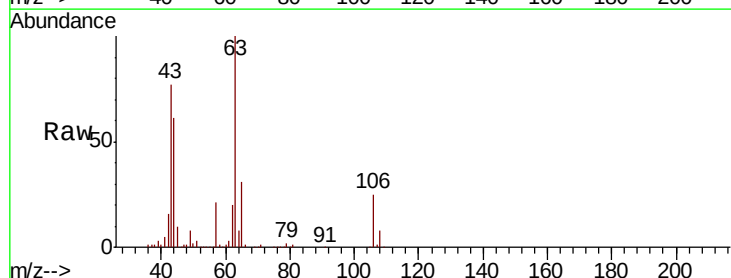
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

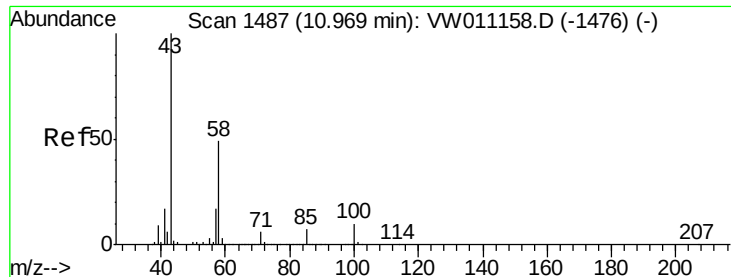
Tot Ion: 76 Resp: 65593
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.534 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion: 63 Resp: 132768
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.4 29.0

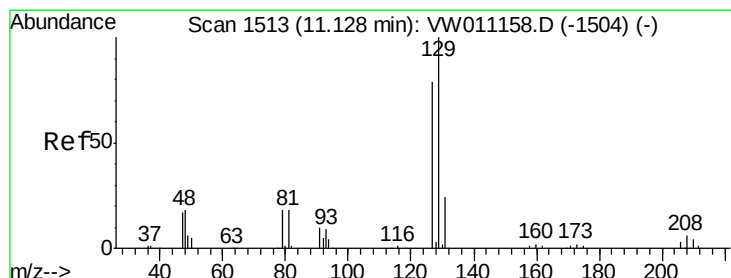
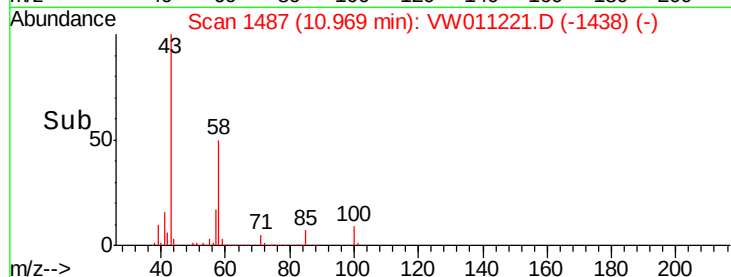
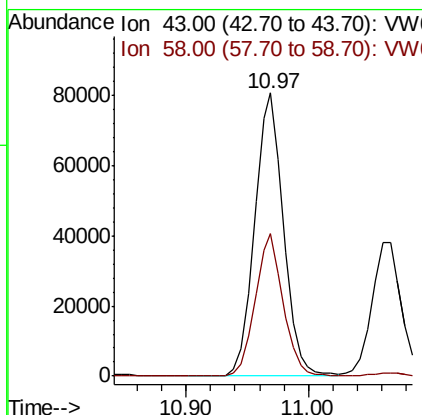
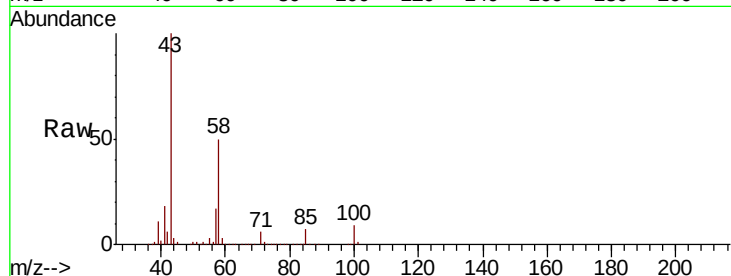




#59
2-Hexanone
Concen: 81.311 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

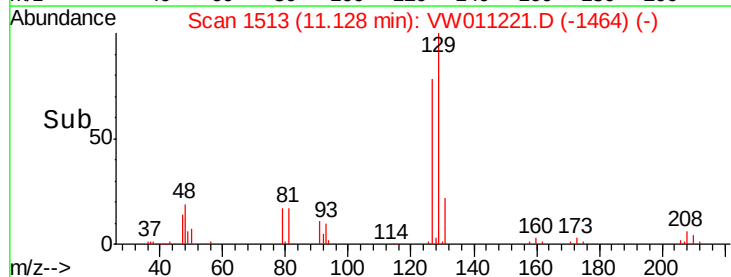
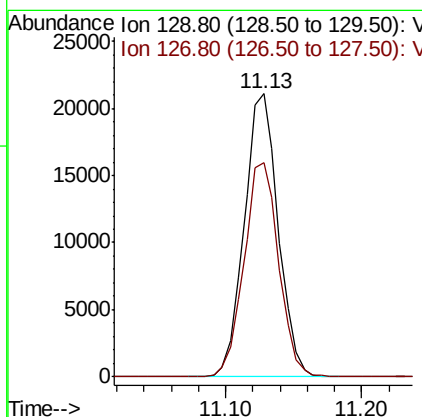
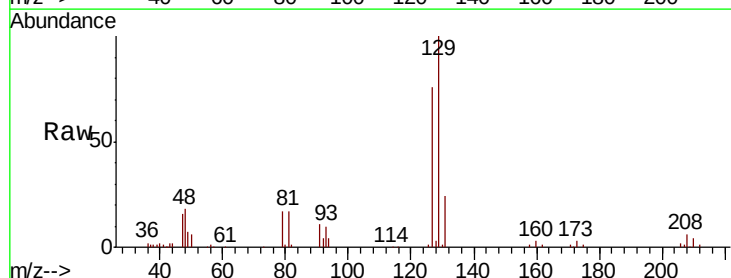
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

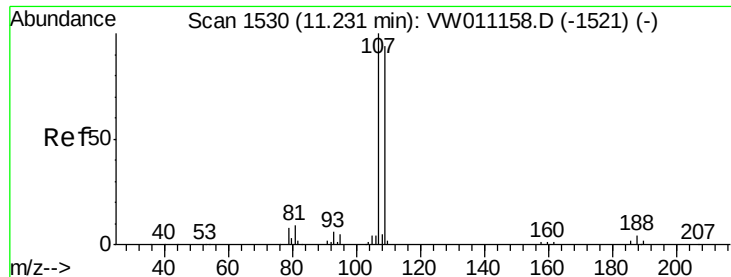
Tot Ion: 43 Resp: 131918
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4



#60
Dibromochloromethane
Concen: 17.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 129 Resp: 36814
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 17.104 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

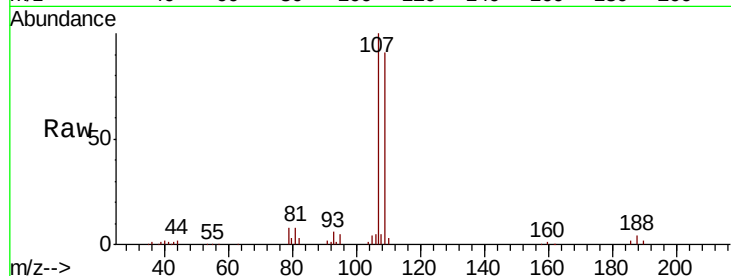
VW0712SBS01

Tot Ion:107 Resp: 31901

Ion Ratio Lower Upper

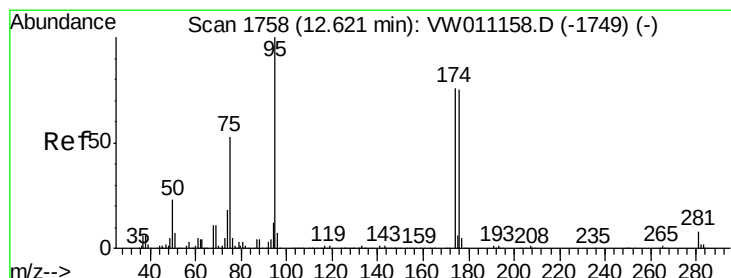
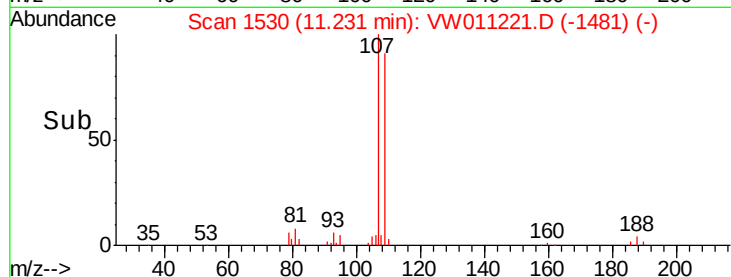
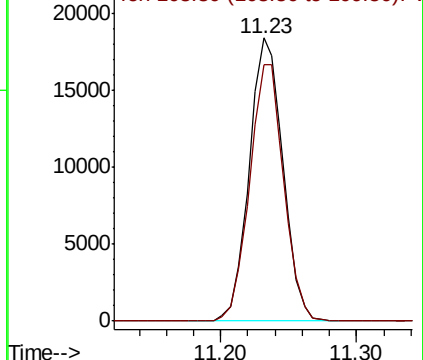
107 100

109 92.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.675 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

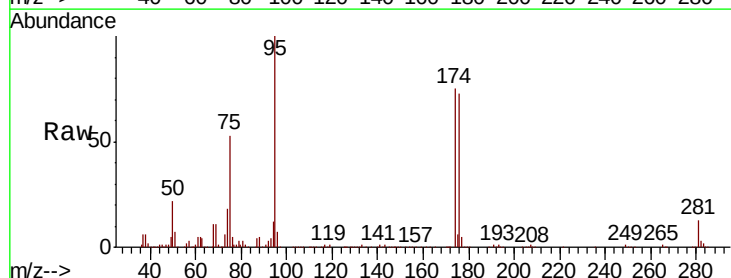
Tgt Ion: 95 Resp: 152812

Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.6

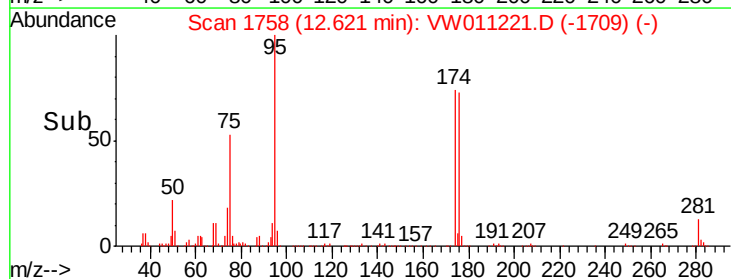
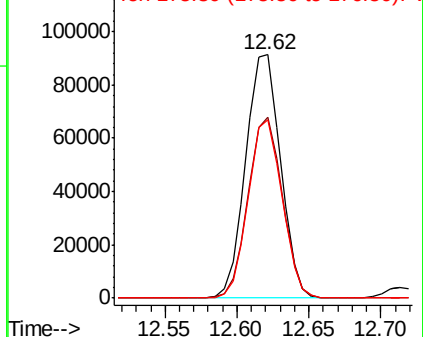
176 71.3 0.0 144.6

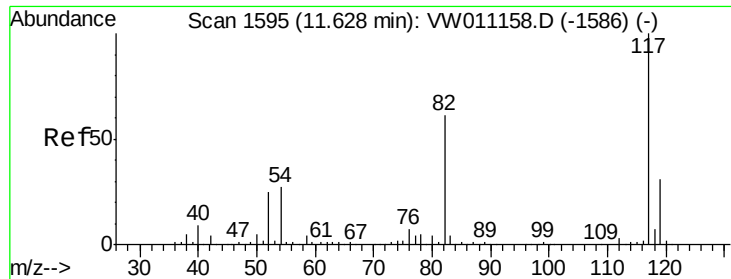


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

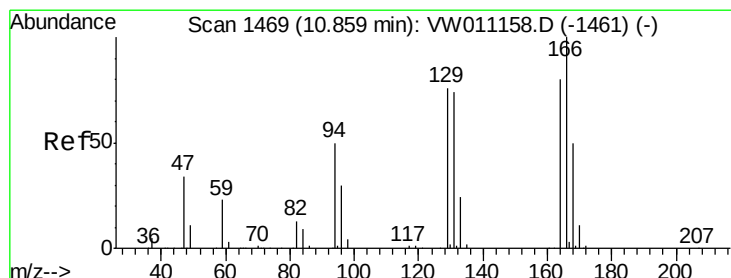
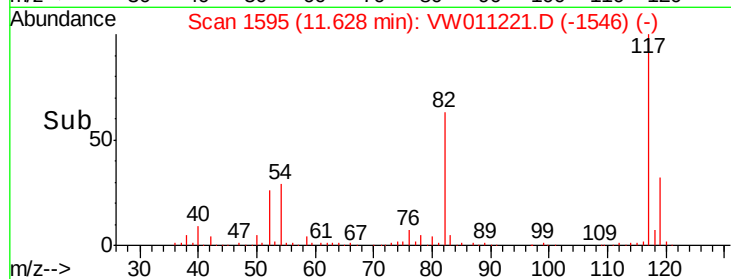
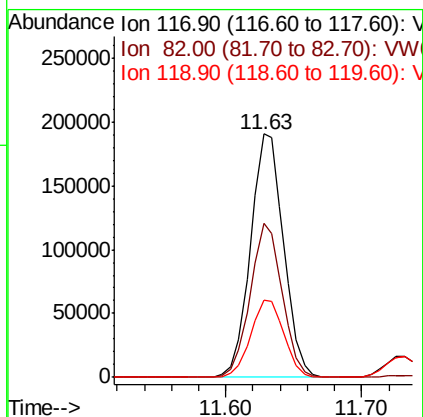
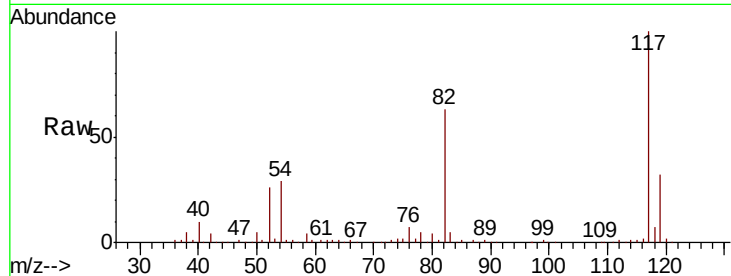




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

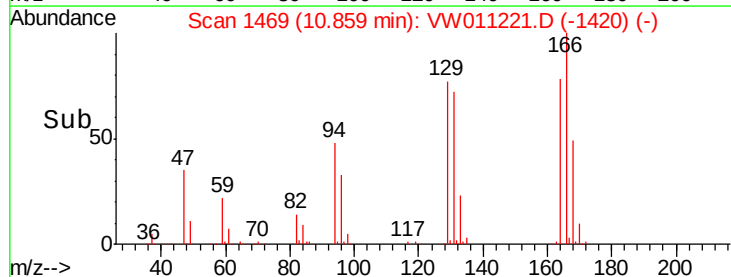
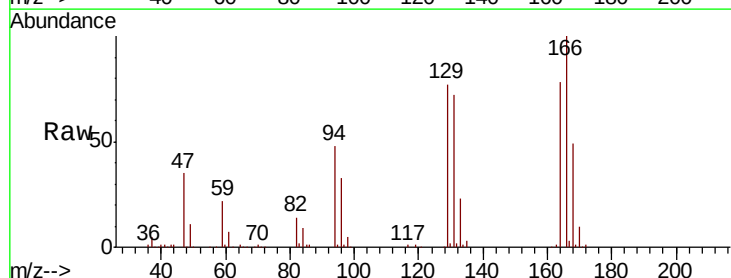
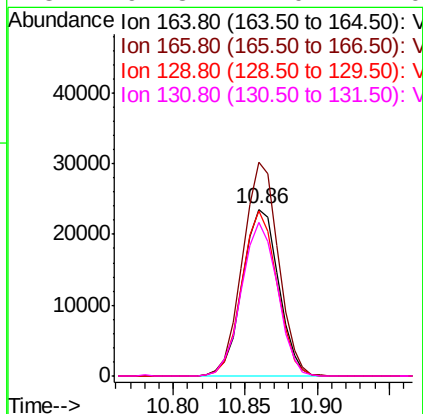
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

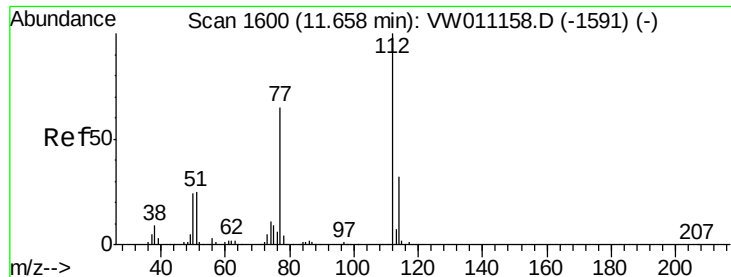
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	48.9	73.3
119	31.8	25.0	37.6



#64
Tetrachloroethene
Concen: 18.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	99.7	149.5
129	99.2	76.2	114.2
131	91.8	74.0	111.0

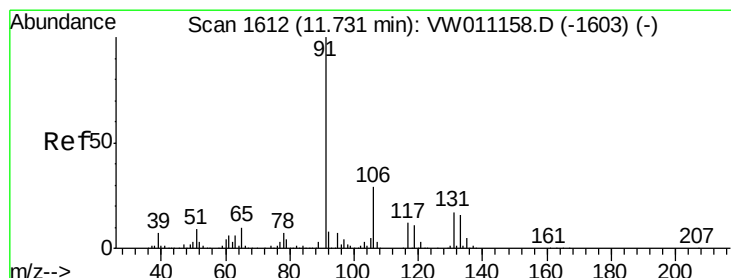
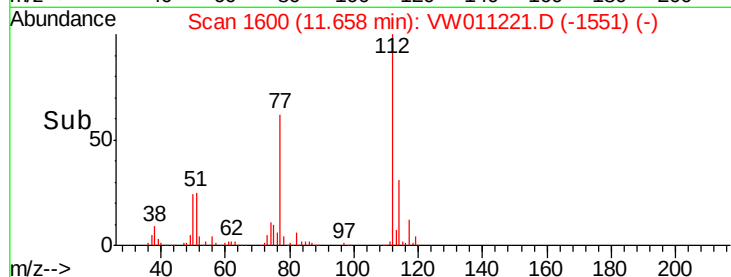
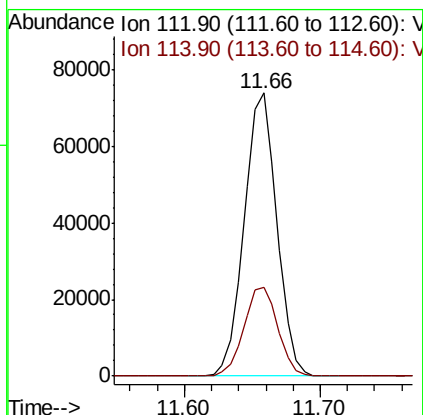
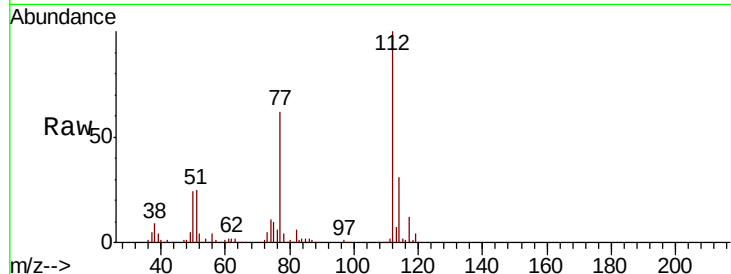




#65
Chlorobenzene
Concen: 18.792 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

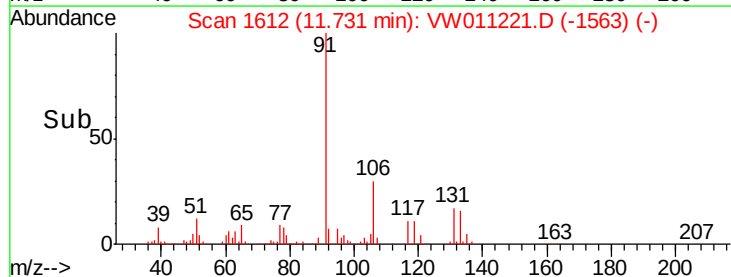
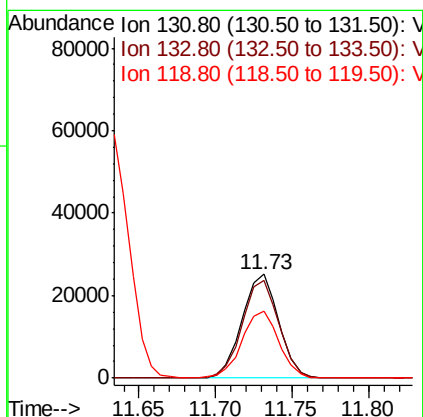
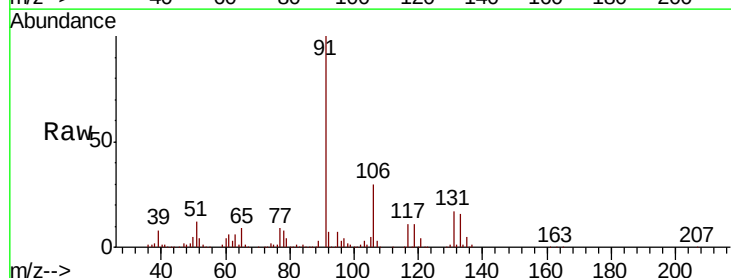
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

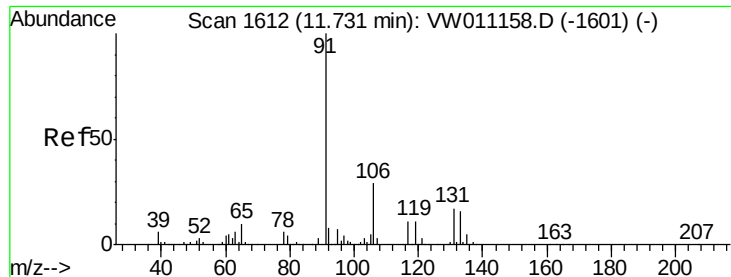
Tot Ion:112 Resp: 123887
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:131 Resp: 41888
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 65.1 33.1 99.2

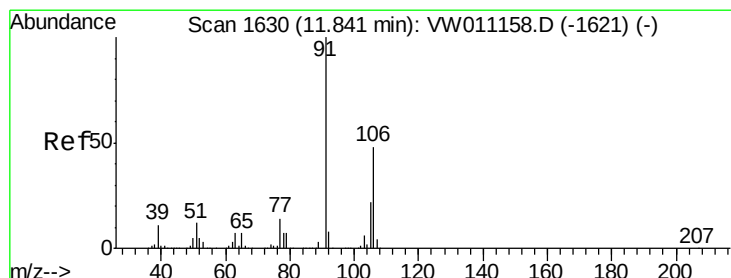
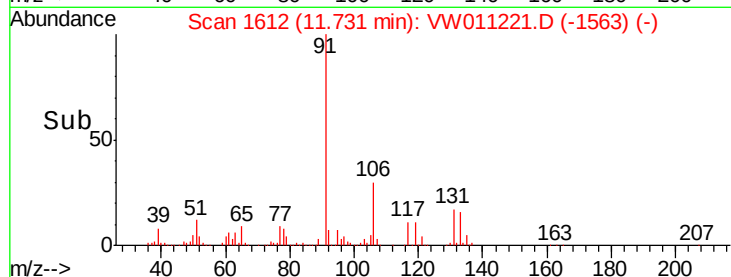
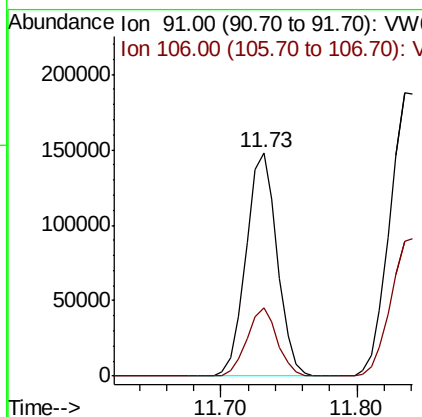
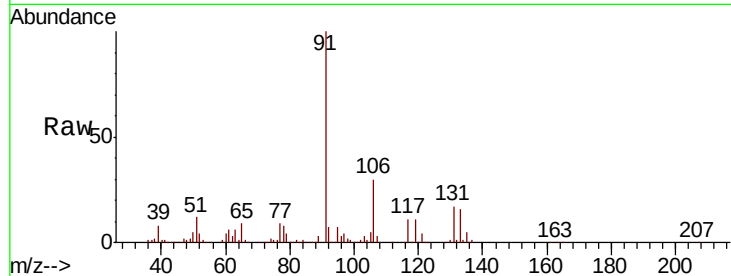




#67
Ethyl Benzene
Concen: 18.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

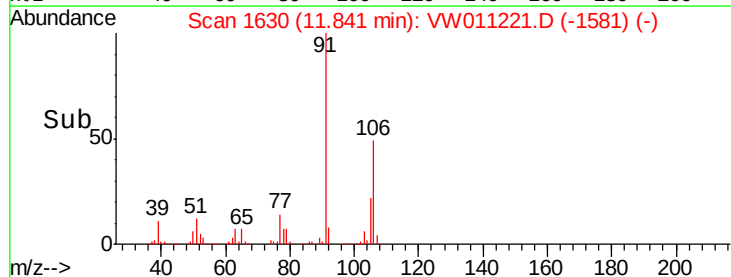
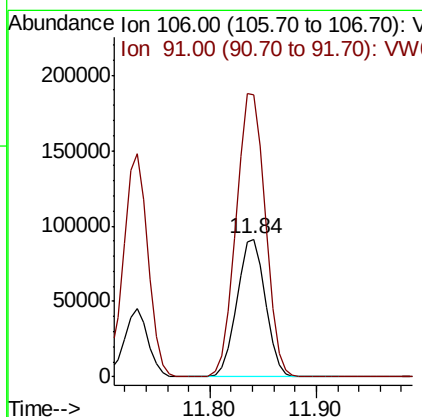
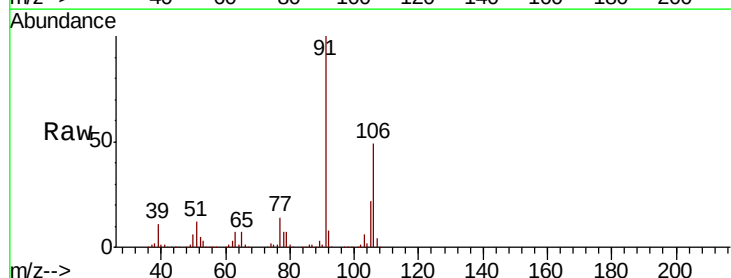
Instrument :
MSVOA_W
ClientSampled :
VW0712SBS01

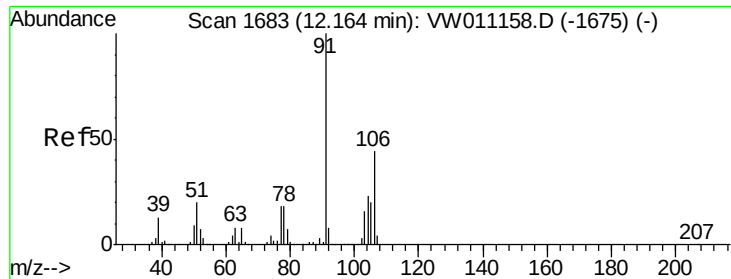
Tot Ion: 91 Resp: 237178
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 37.638 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 106 Resp: 171875
Ion Ratio Lower Upper
106 100
91 211.2 167.7 251.5

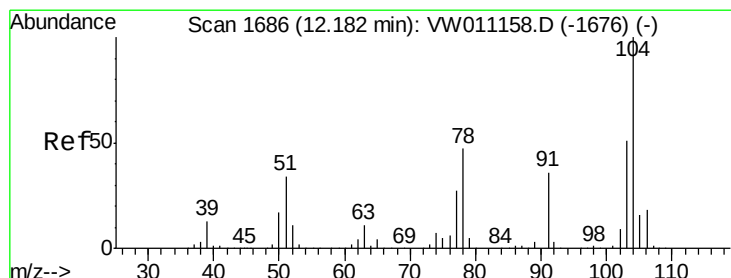
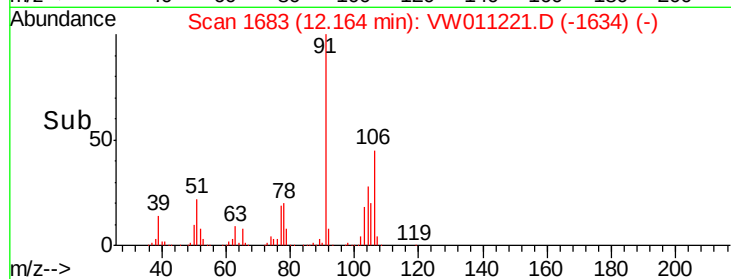
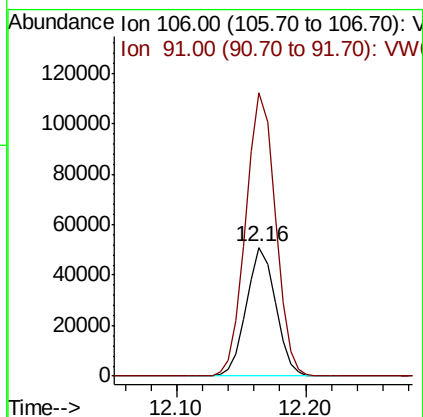
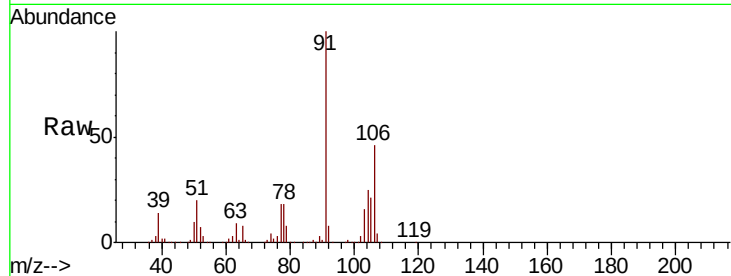




#69
o-Xylene
Concen: 18.574 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

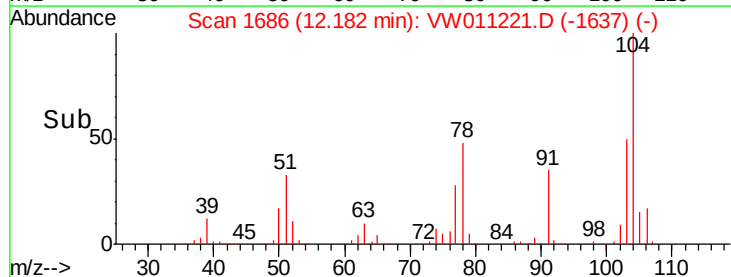
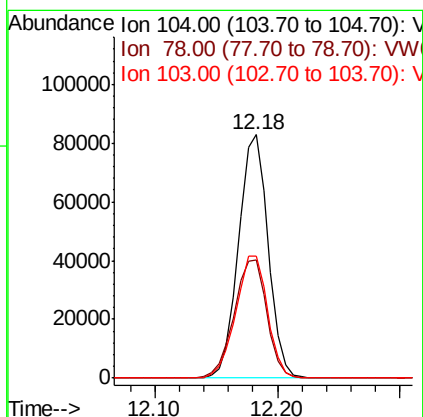
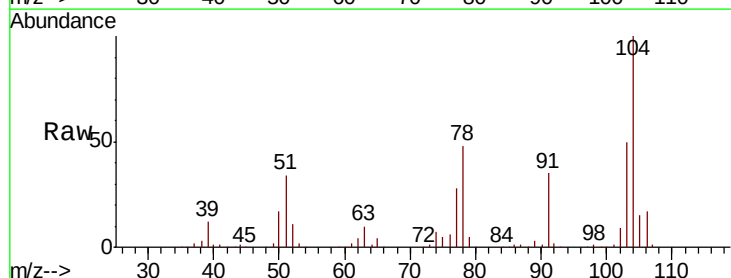
Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

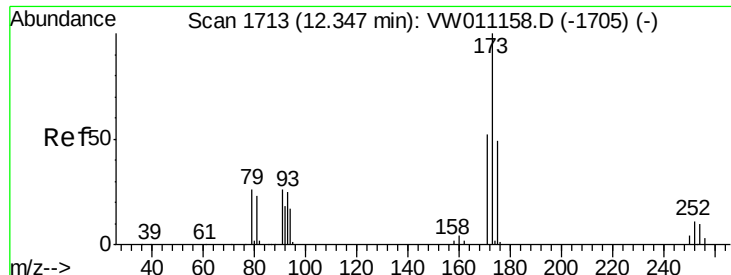
Tot Ion:106 Resp: 79946
Ion Ratio Lower Upper
106 100
91 223.5 110.7 332.1



#70
Styrene
Concen: 18.688 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:104 Resp: 138814
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.1 44.1 66.1





#71

Bromoform

Concen: 15.653 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

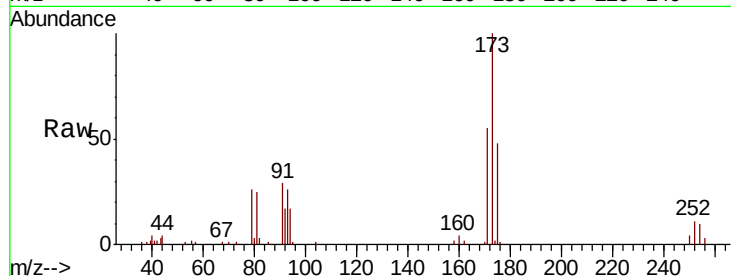
Tot Ion:173 Resp: 19318

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

254 0.0 0.0 0.0

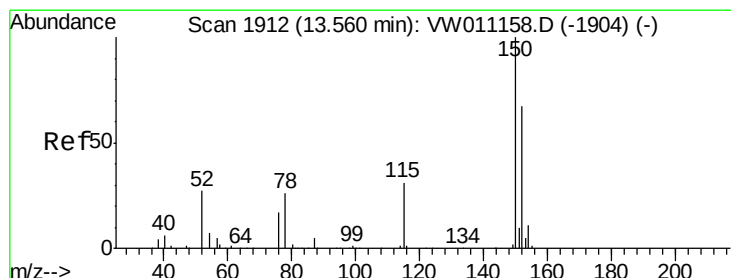
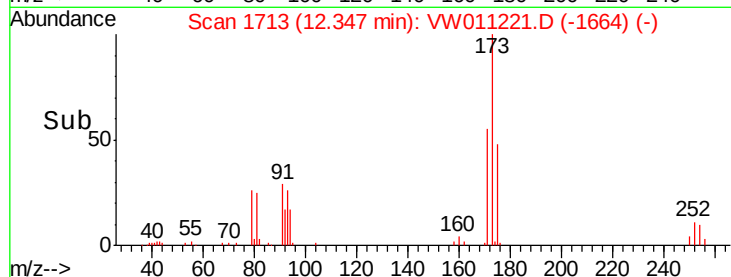
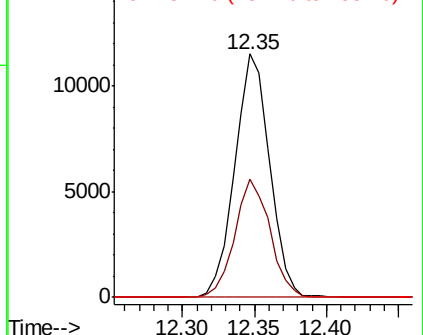


Abundance

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

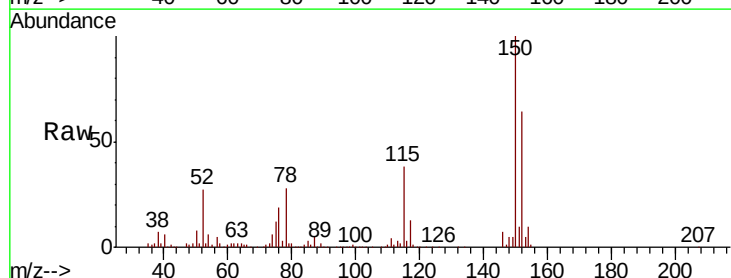
Tgt Ion:152 Resp: 159599

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

150 162.0 0.0 346.0

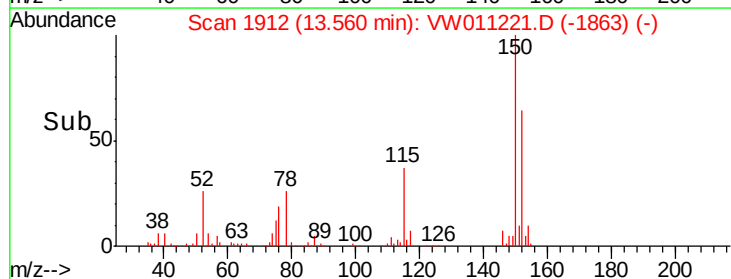
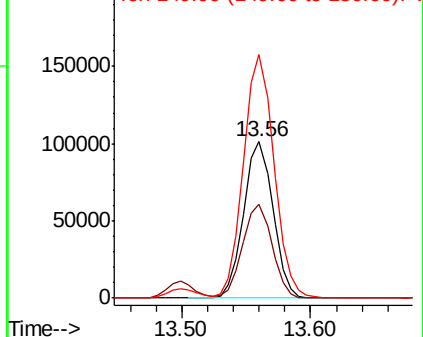


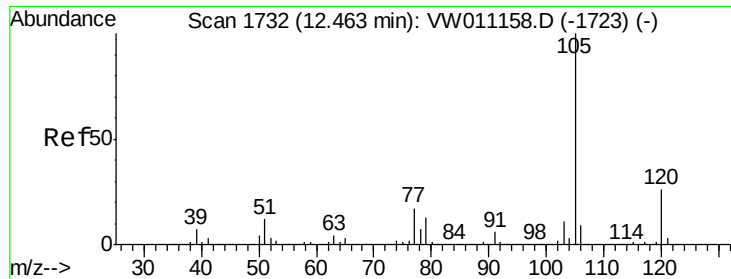
Abundance

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: 18.918 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

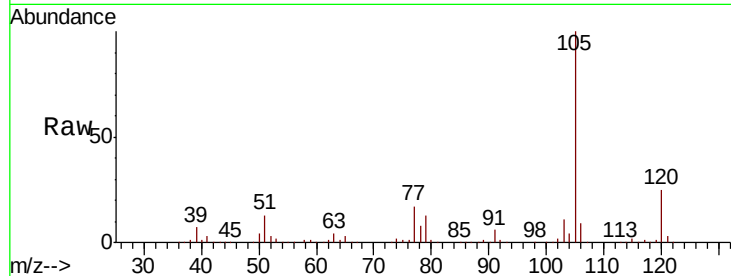
VW0712SBS01

Tot Ion:105 Resp: 225705

Ion Ratio Lower Upper

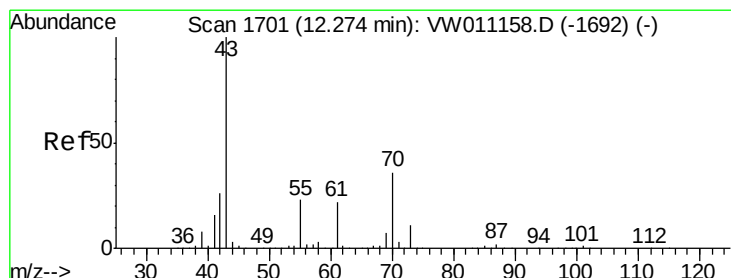
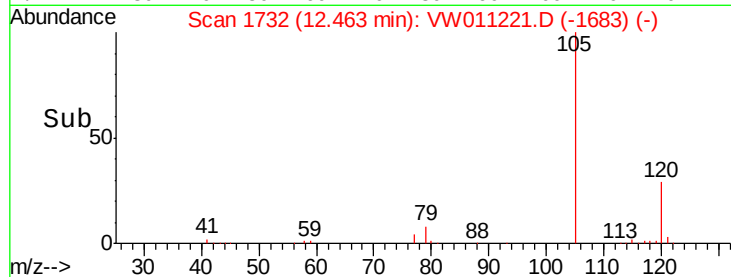
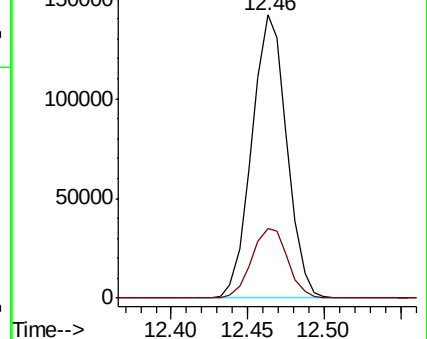
105 100

120 25.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.990 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion: 43 Resp: 70596

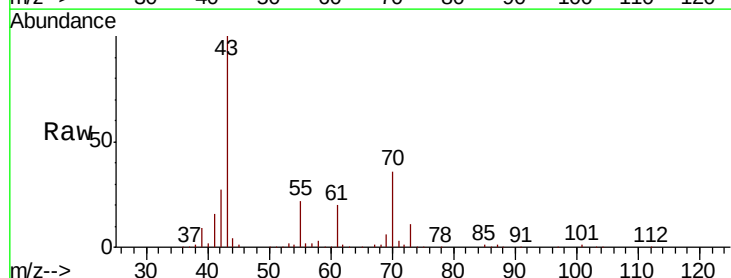
Ion Ratio Lower Upper

43 100

70 35.7 28.5 42.7

55 23.6 18.1 27.1

61 20.5 17.2 25.8

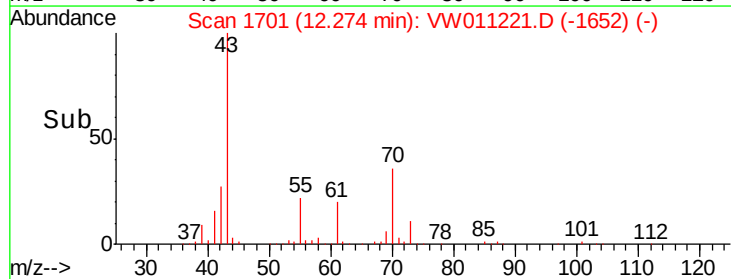
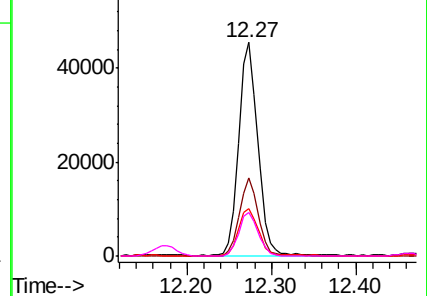


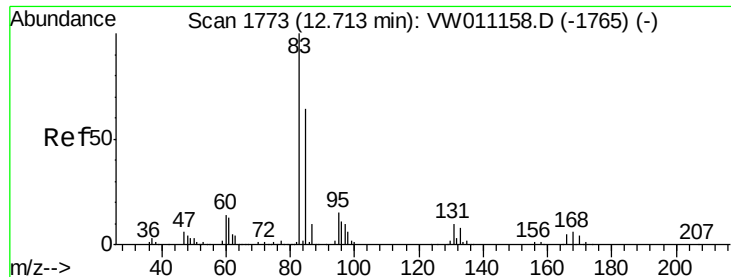
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 16.923 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

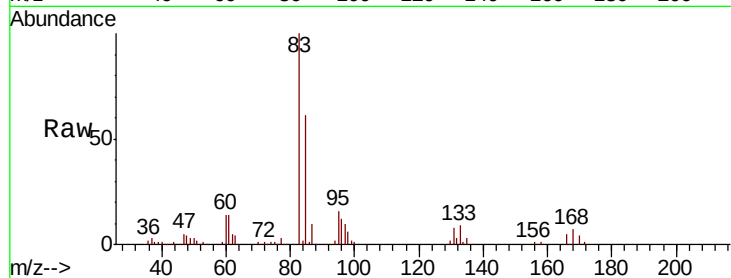
Tot Ion: 83 Resp: 41387

Ion Ratio Lower Upper

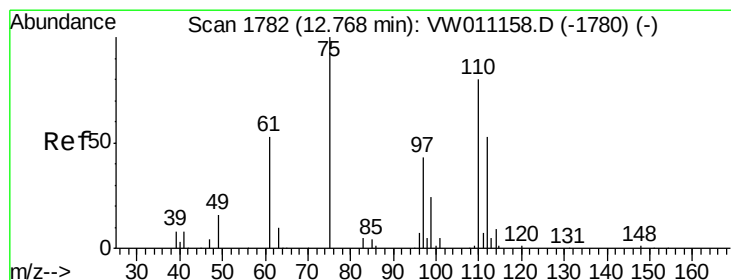
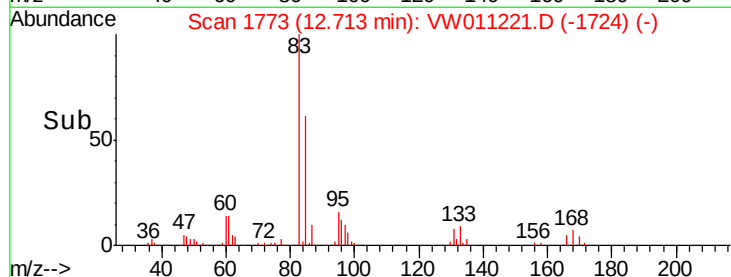
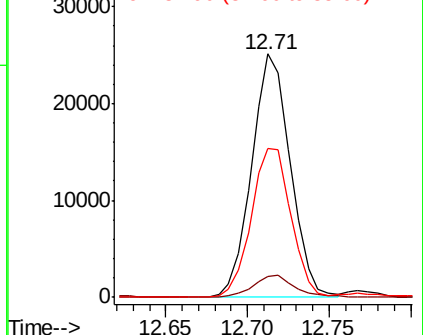
83 100

131 9.7 5.0 15.0

85 62.9 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 28.742 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011221.D

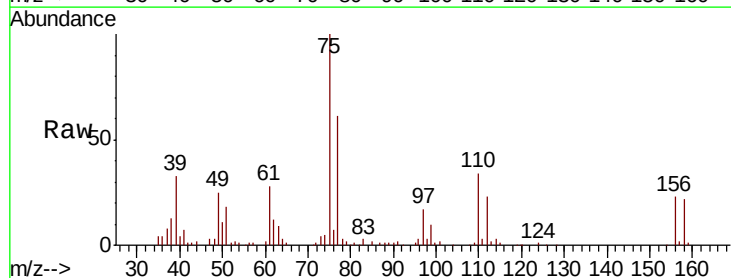
Acq: 11 Jul 2019 11:35

Tgt Ion: 75 Resp: 53011

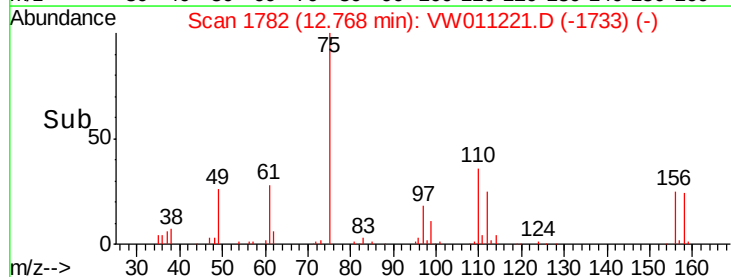
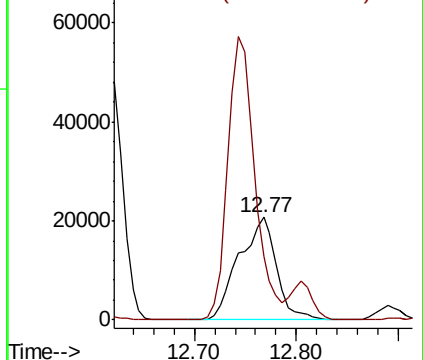
Ion Ratio Lower Upper

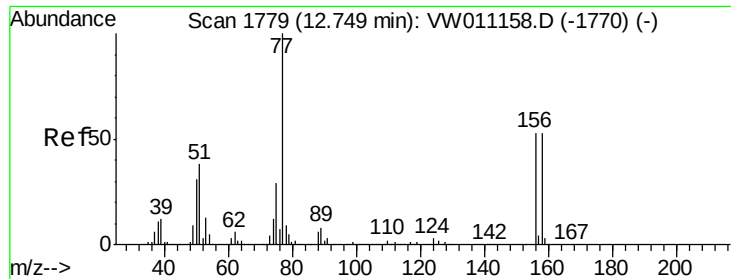
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

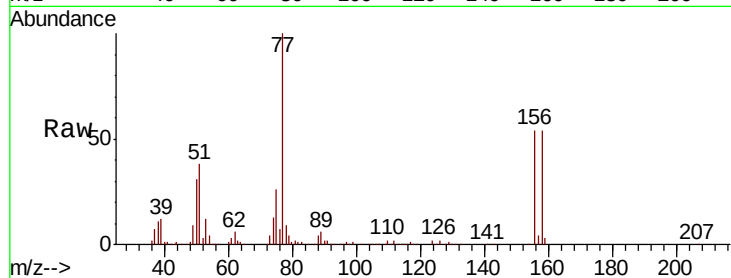




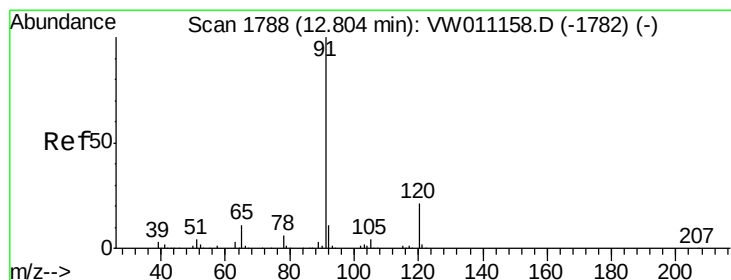
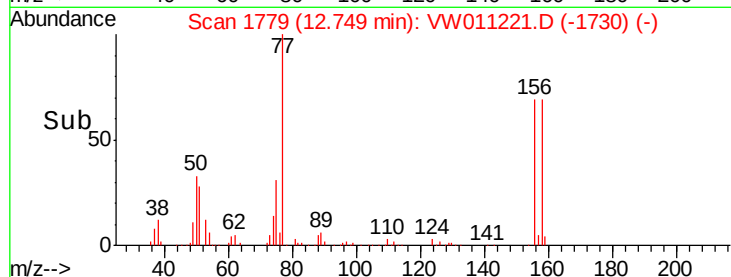
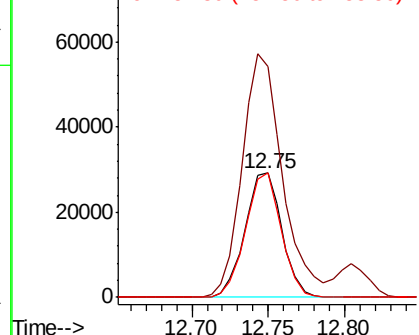
#77
Bromobenzene
Concen: 18.214 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:156 Resp: 48768
Ion Ratio Lower Upper
156 100
77 215.1 109.0 327.0
158 96.7 48.8 146.3

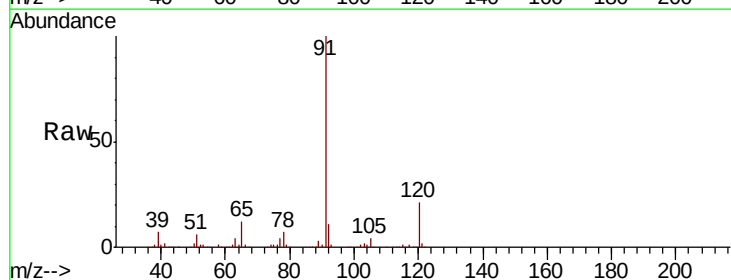


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

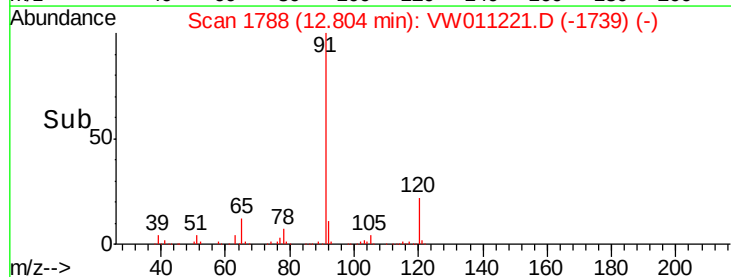
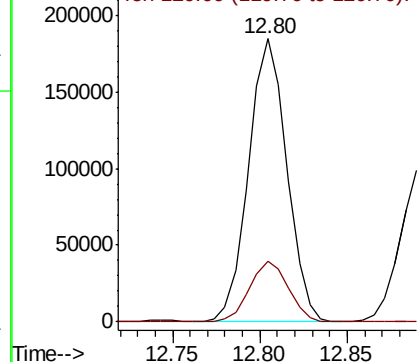


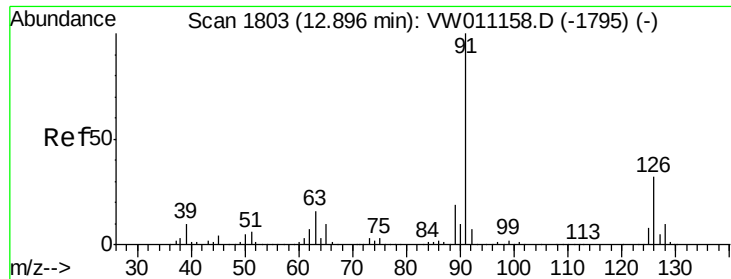
#78
n-propylbenzene
Concen: 19.016 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 91 Resp: 279469
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

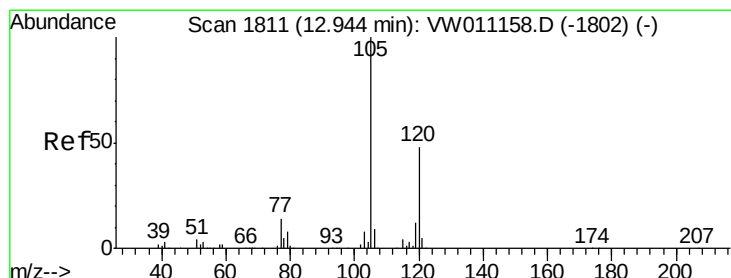
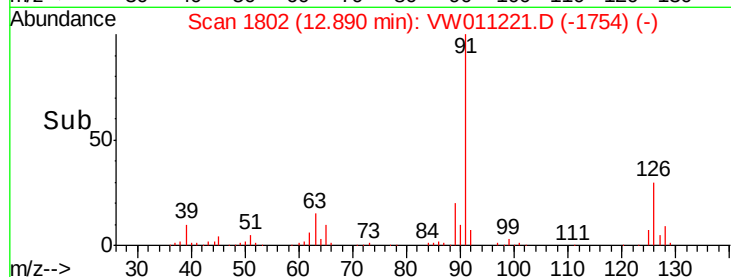
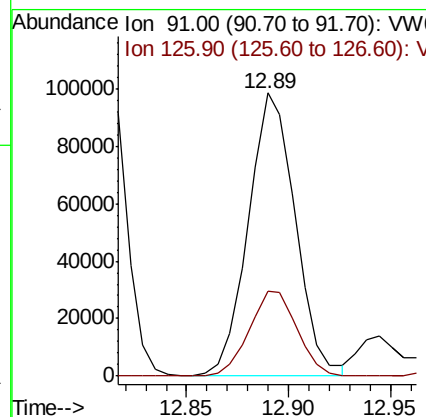
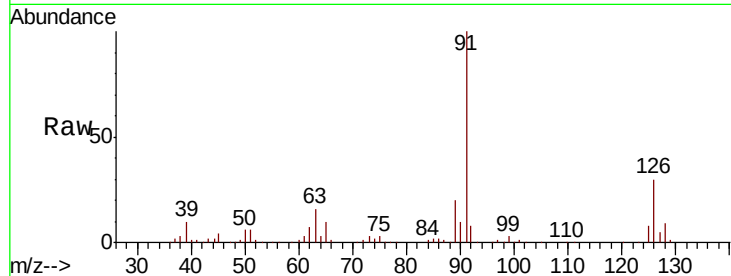




#79
 2-Chlorotoluene
 Concen: 18.648 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

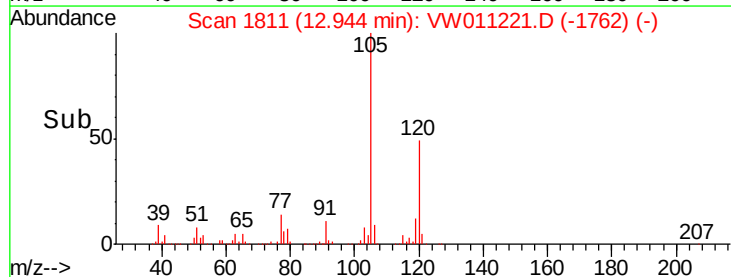
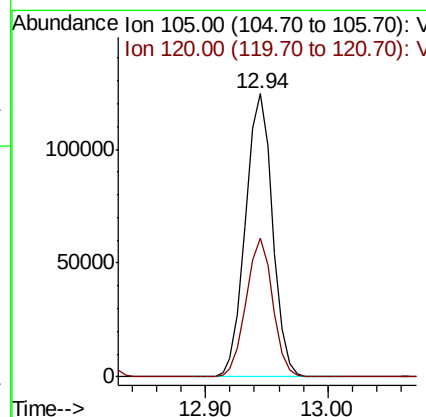
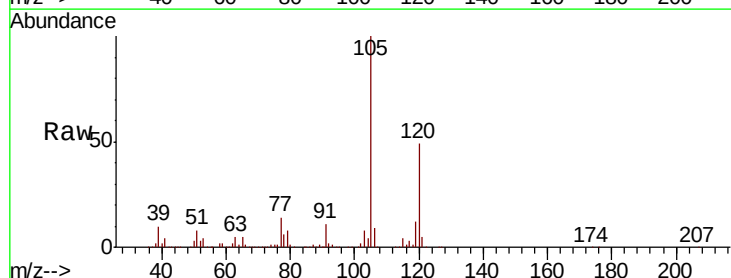
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

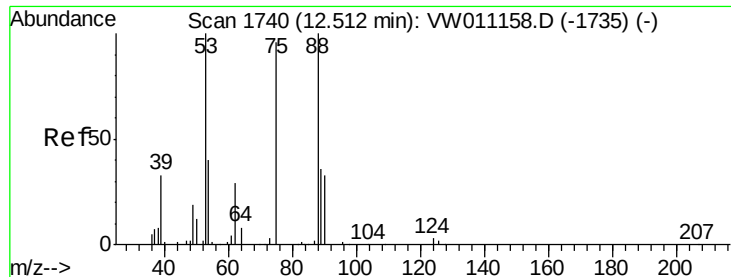
Tot Ion: 91 Resp: 157711
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 18.794 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion:105 Resp: 190494
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 14.494 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

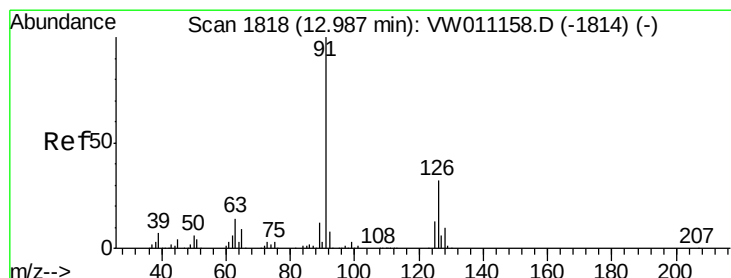
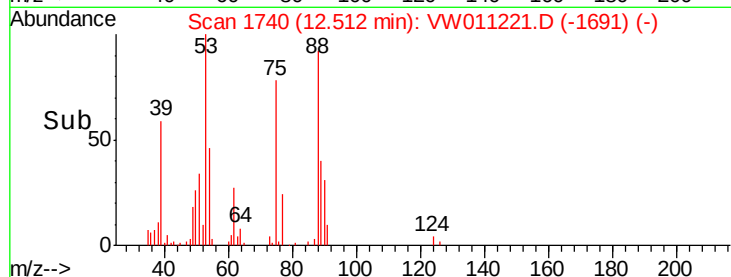
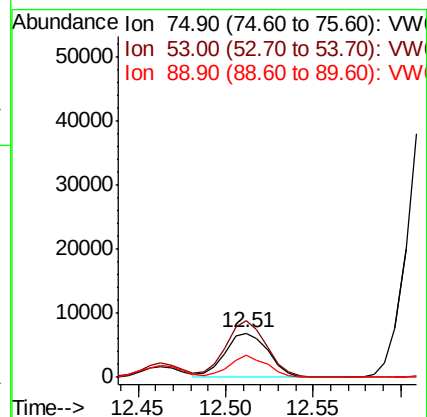
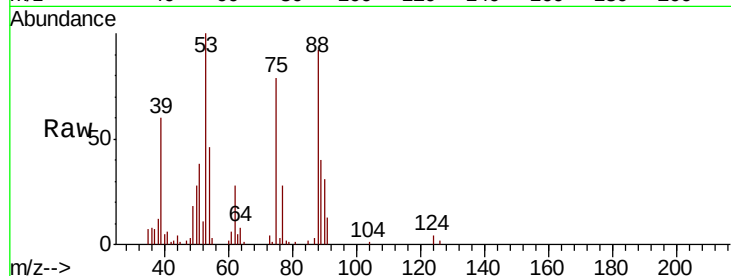
Tot Ion: 75 Resp: 11819

Ion	Ratio	Lower	Upper
75	100		
53	122.7	89.8	134.6
89	43.9	34.3	51.5

75 100

53 122.7 89.8 134.6

89 43.9 34.3 51.5



#82

4-Chlorotoluene

Concen: 18.829 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011221.D

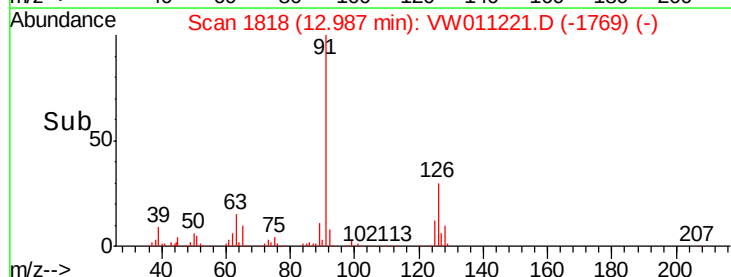
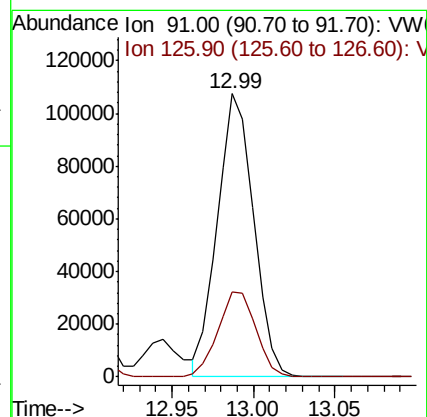
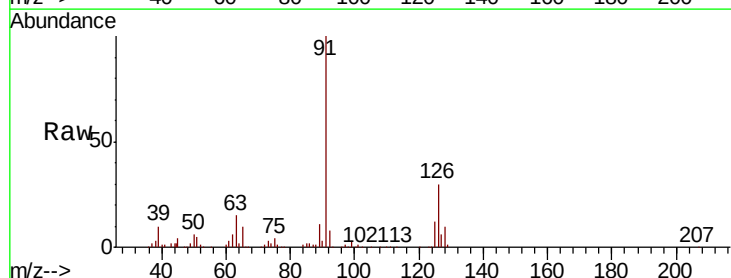
Acq: 11 Jul 2019 11:35

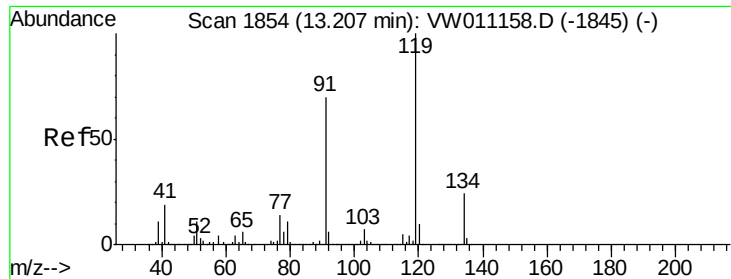
Tgt Ion: 91 Resp: 165860

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

91 100

126 31.6 15.7 47.1

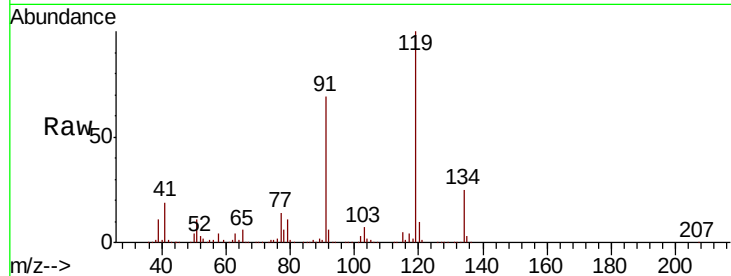




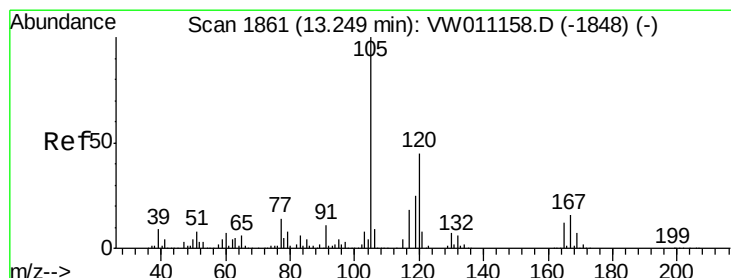
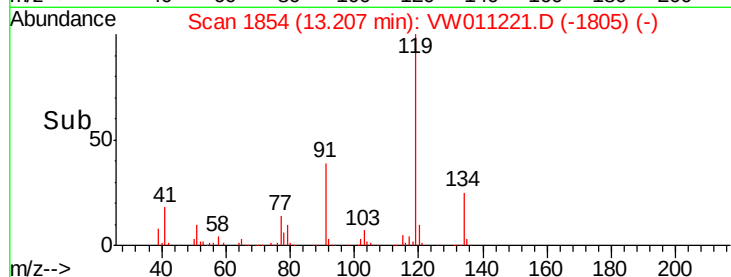
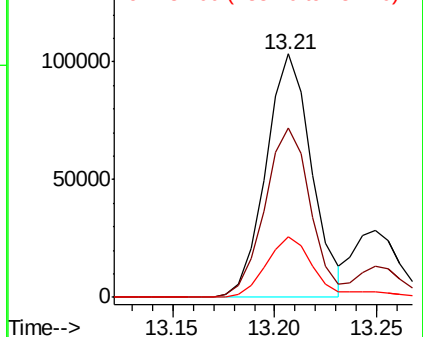
#83
tert-Butylbenzene
Concen: 19.140 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:119 Resp: 161795
Ion Ratio Lower Upper
119 100
91 69.3 35.4 106.3
134 25.0 13.4 40.2

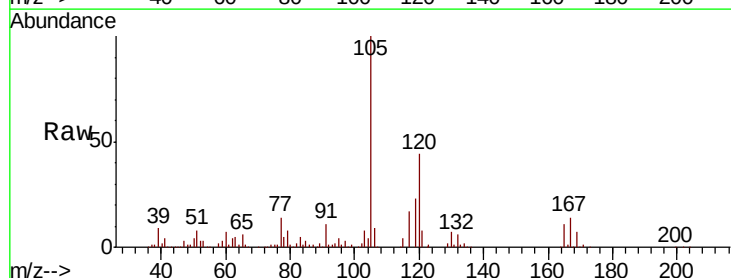


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

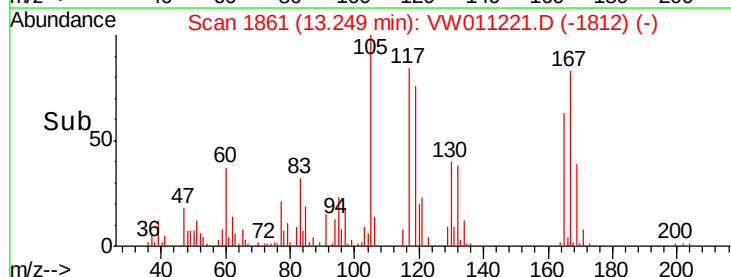
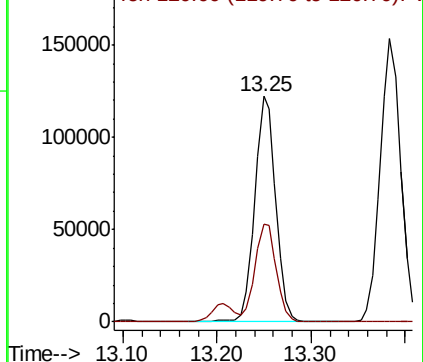


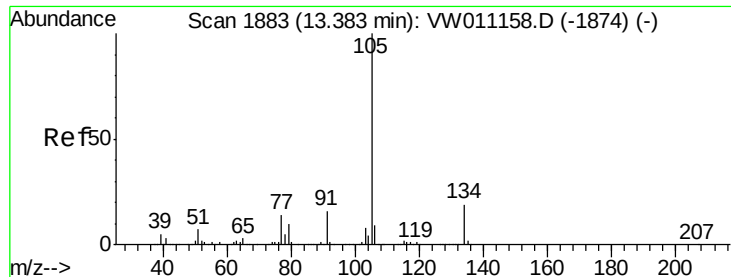
#84
1,2,4-Trimethylbenzene
Concen: 18.885 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:105 Resp: 192199
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9



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

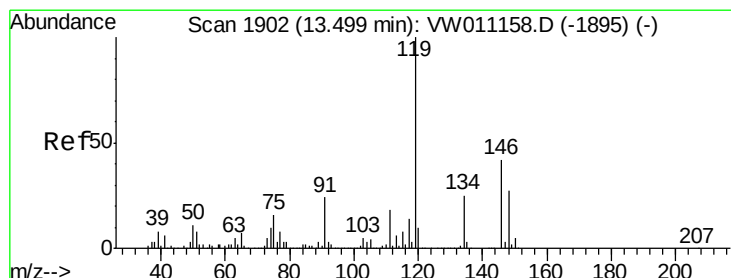
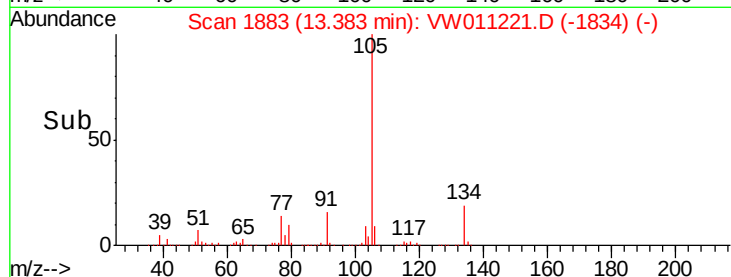
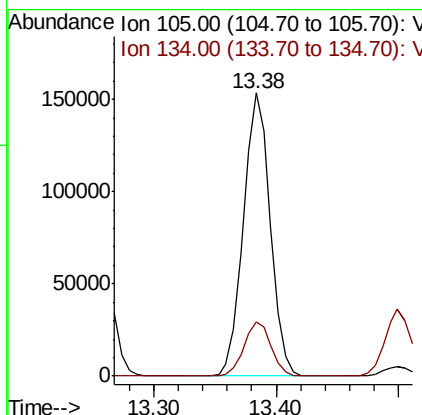
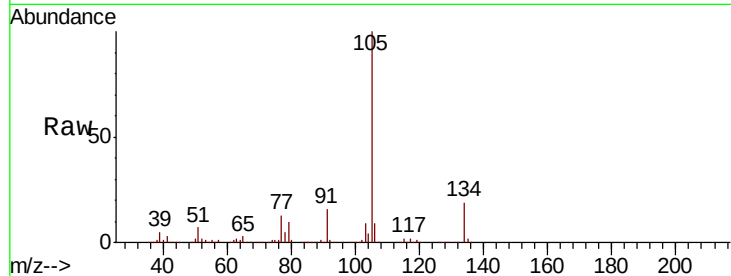




#85
 sec-Butylbenzene
 Concen: 19.140 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

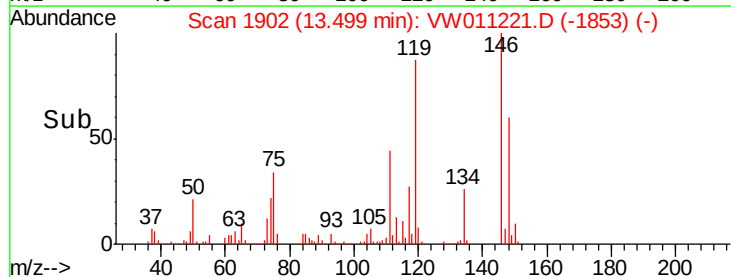
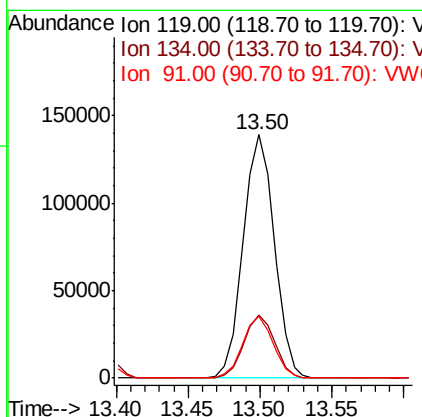
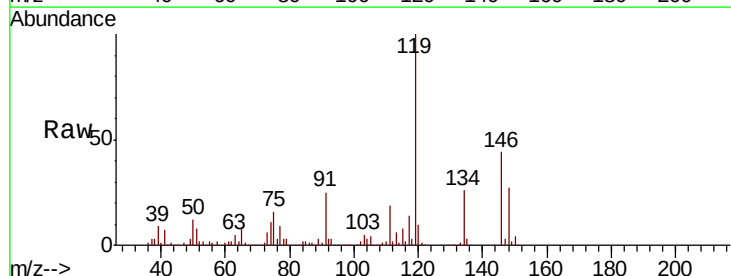
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

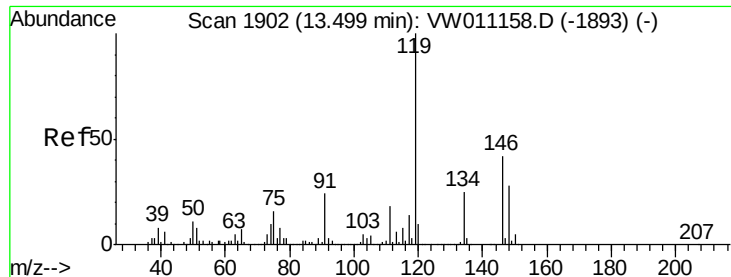
Tot Ion:105 Resp: 233459
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.007 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion:119 Resp: 207933
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 24.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.156 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

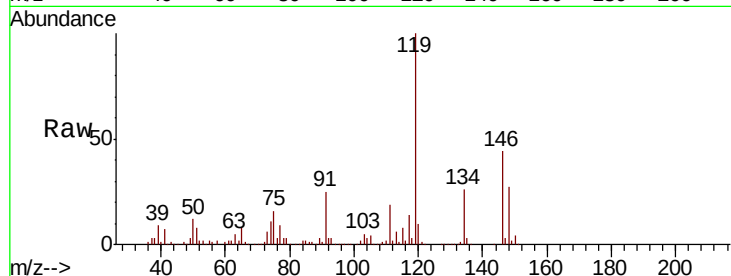
Tot Ion:146 Resp: 98680

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

148 62.6 32.6 97.7

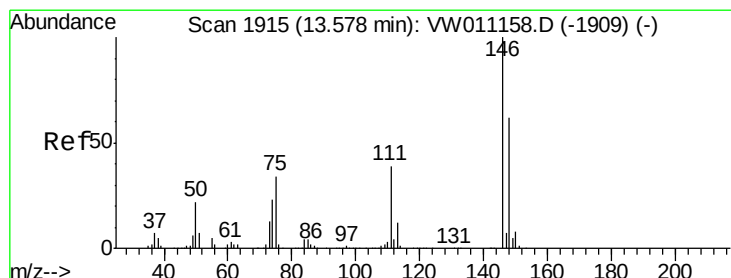
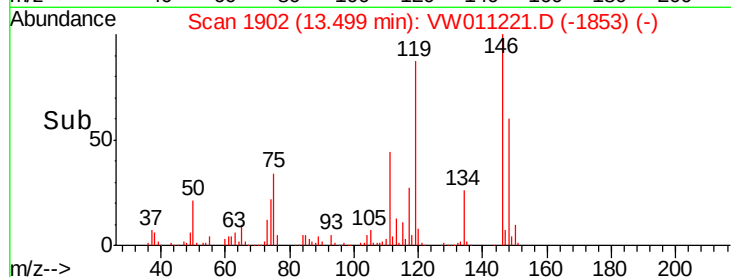
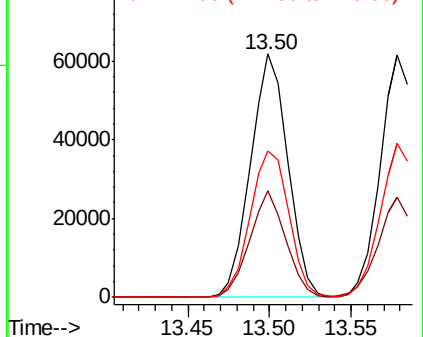


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 18.660 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

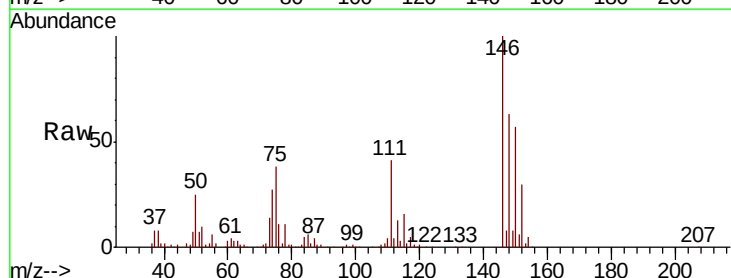
Tgt Ion:146 Resp: 96794

Ion Ratio Lower Upper

146 100

111 42.4 19.9 59.7

148 64.5 31.5 94.5

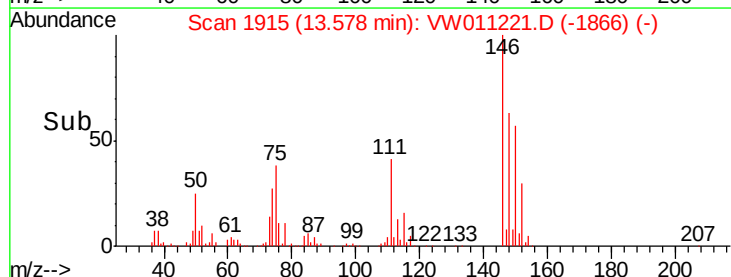
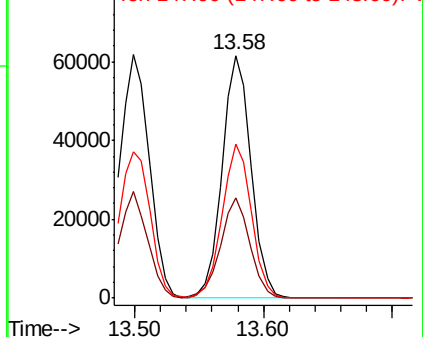


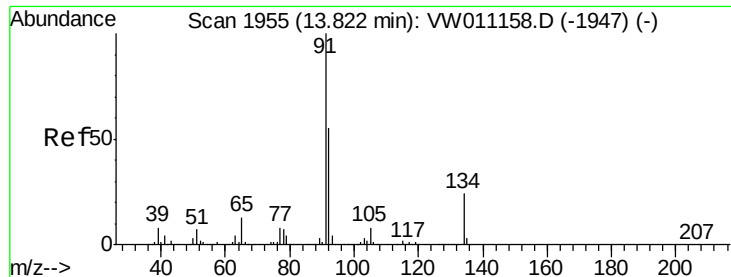
Abundance

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: 19.364 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

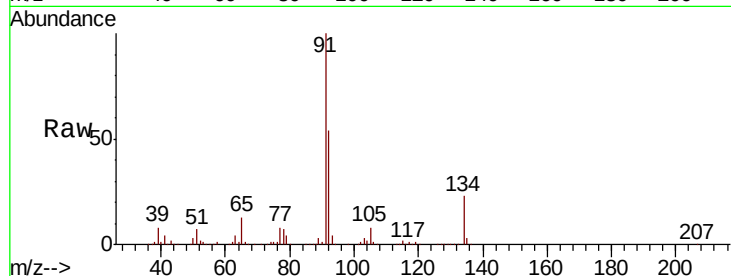
Tot Ion: 91 Resp: 211334

Ion Ratio Lower Upper

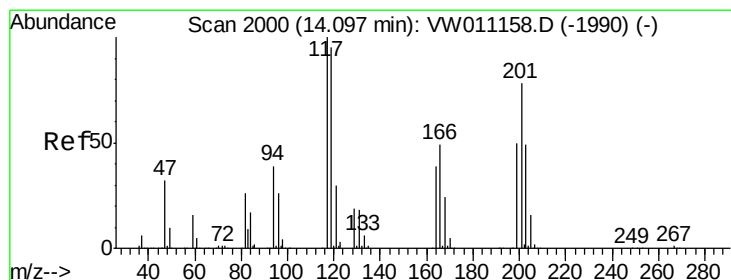
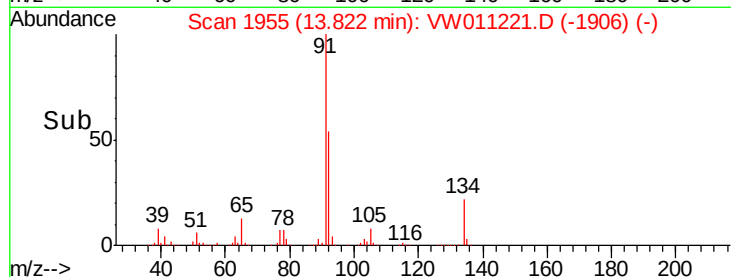
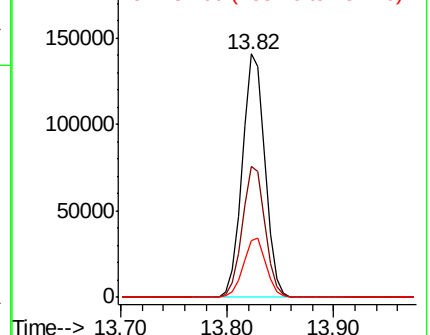
91 100

92 53.8 26.9 80.7

134 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.649 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011221.D

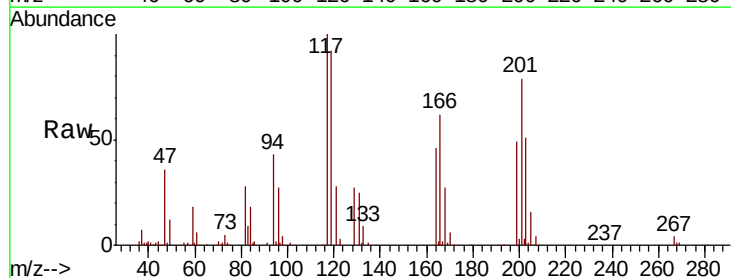
Acq: 11 Jul 2019 11:35

Tgt Ion: 117 Resp: 35283

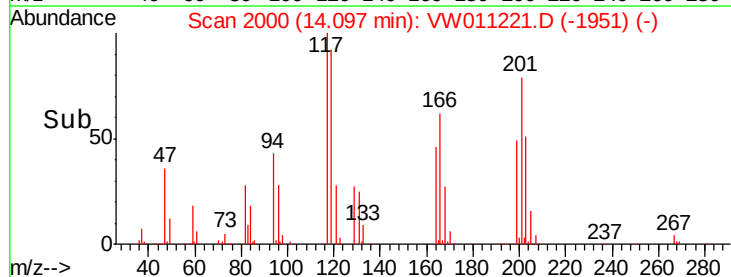
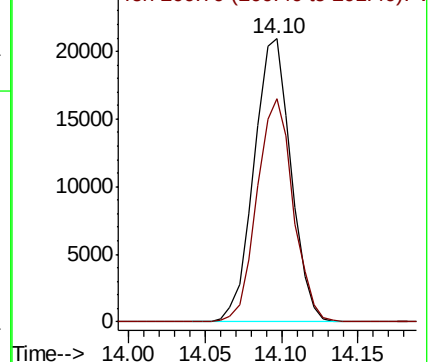
Ion Ratio Lower Upper

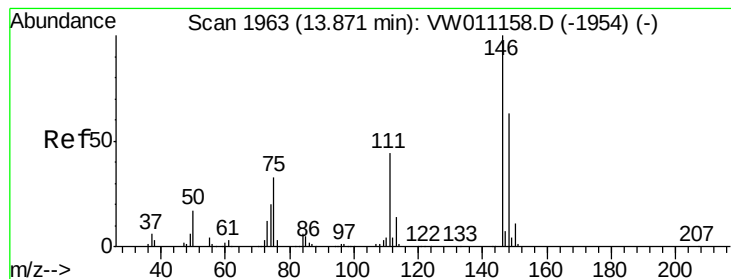
117 100

201 77.0 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.424 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

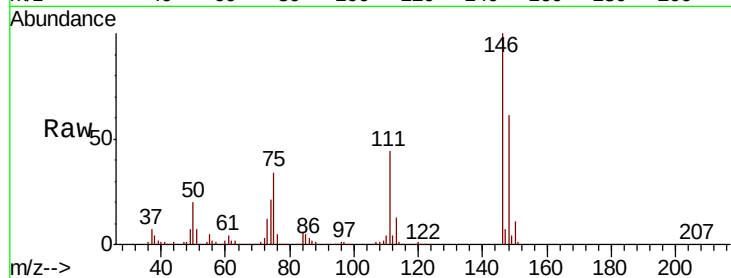
Tot Ion:146 Resp: 86105

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

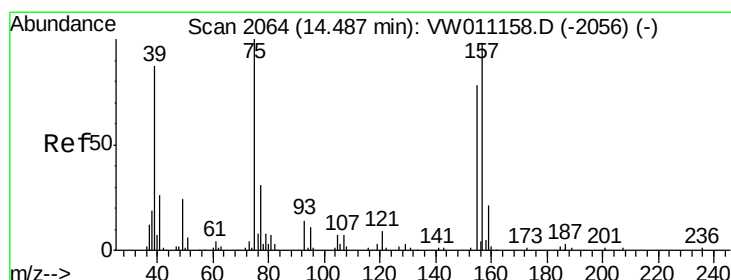
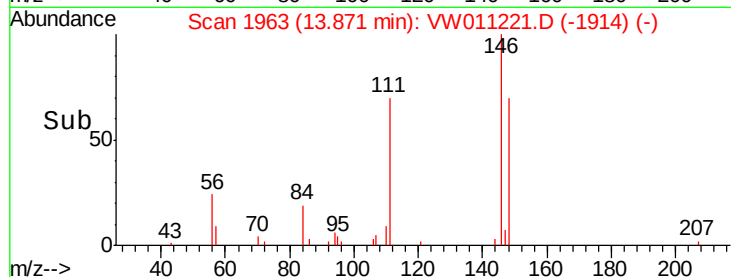
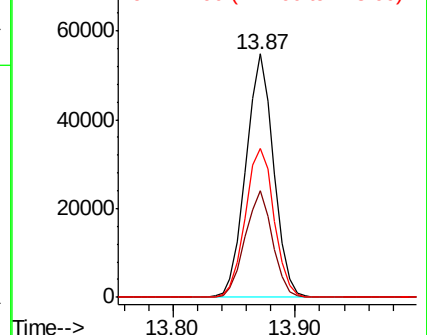
148 63.7 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.381 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

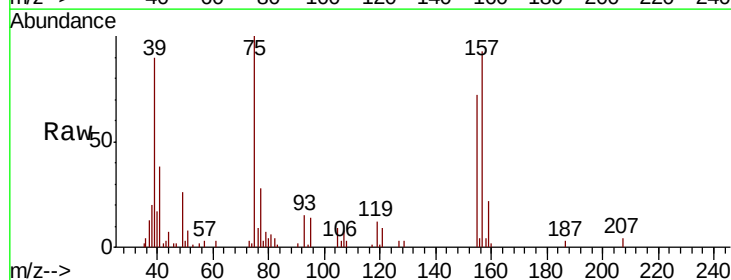
Tgt Ion: 75 Resp: 6672

Ion Ratio Lower Upper

75 100

155 74.4 37.1 111.3

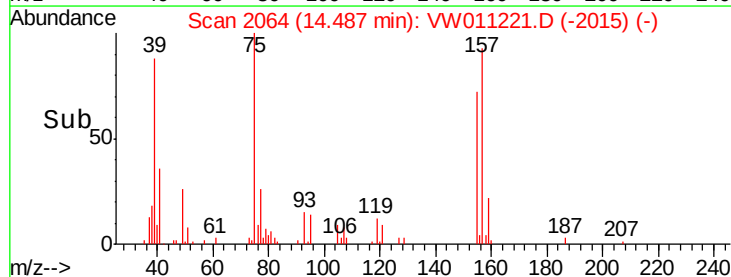
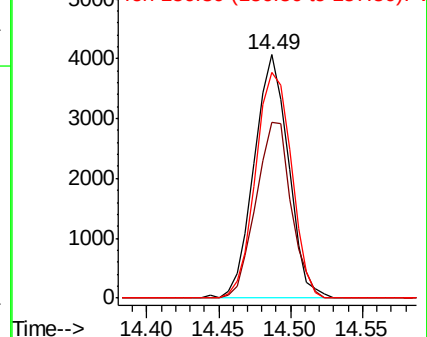
157 97.0 48.5 145.6

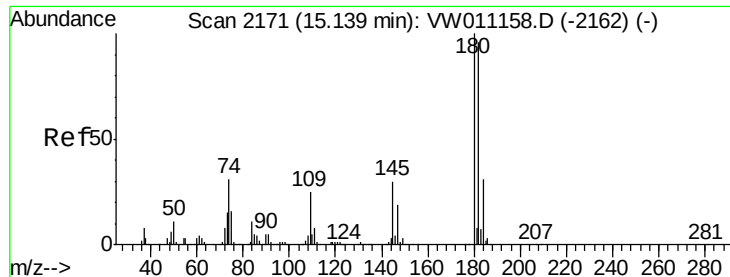


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

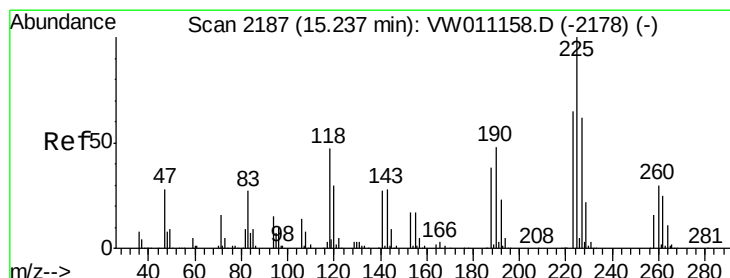
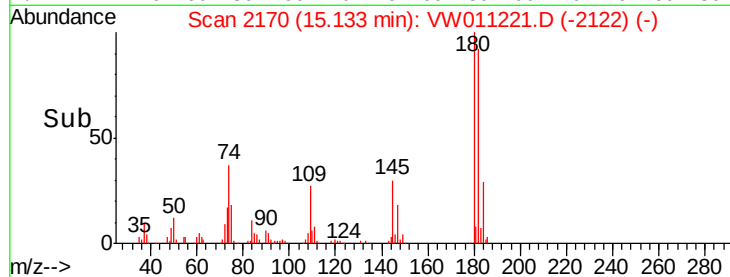
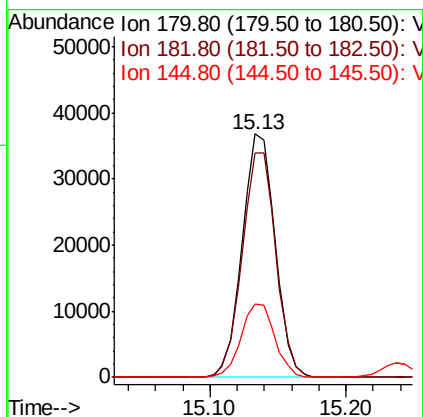
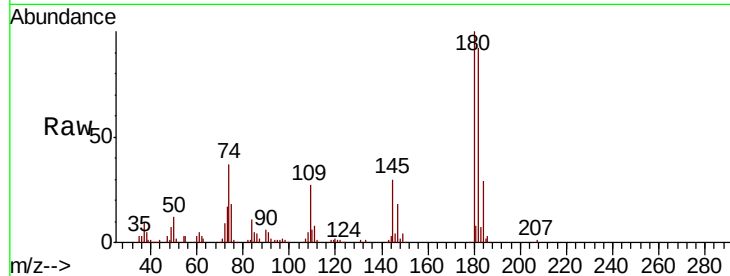




#93
 1,2,4-Trichlorobenzene
 Concen: 19.430 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

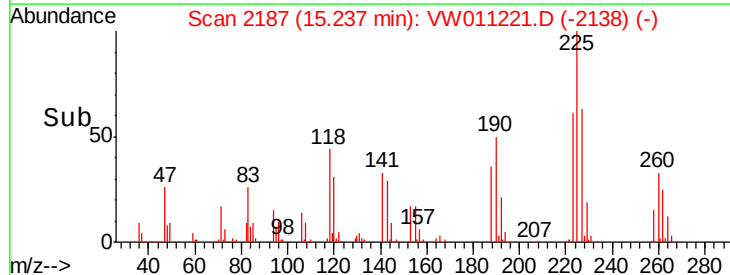
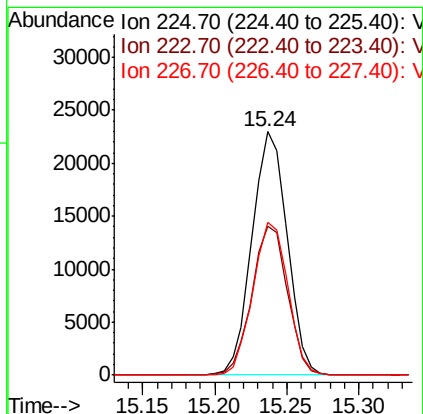
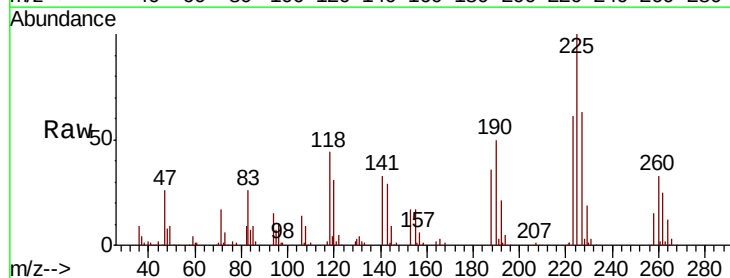
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

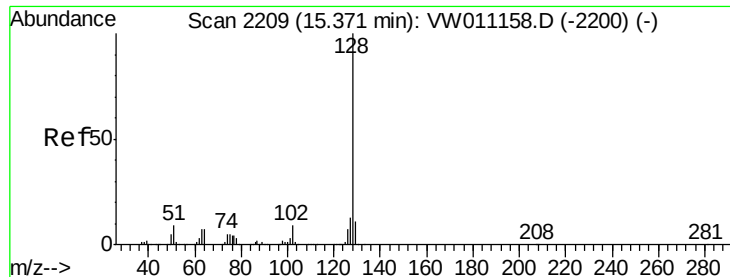
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	30.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 19.620 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	95.0
227	62.5	32.0	96.0

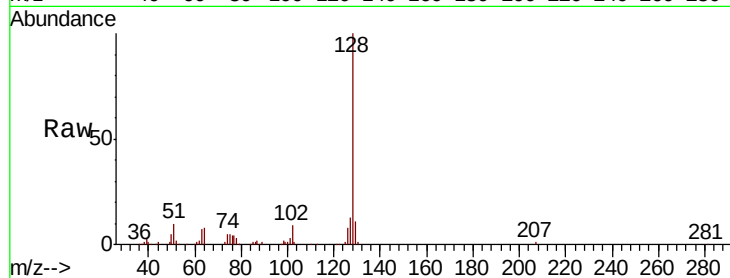




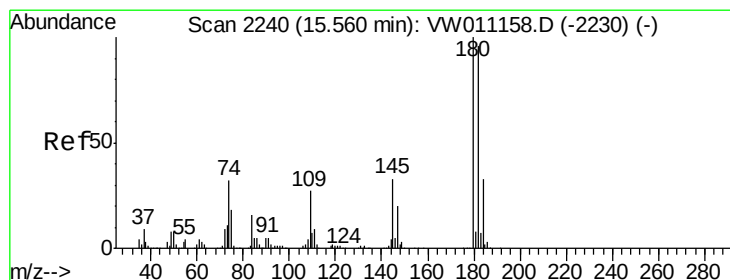
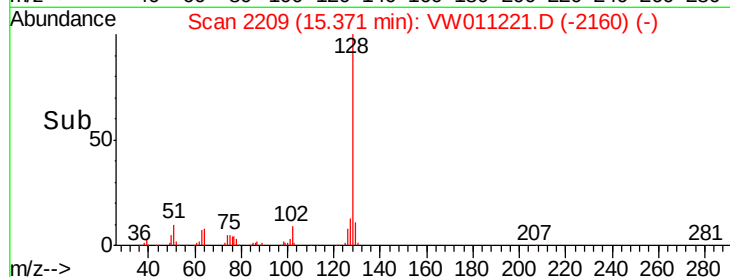
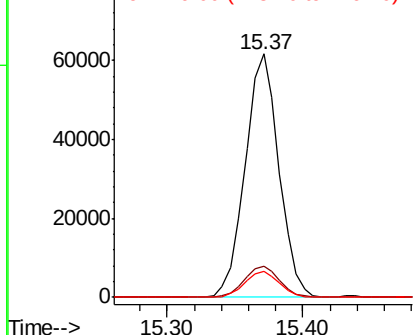
#95
Naphthalene
Concen: 17.366 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:128 Resp: 107118
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.7 13.1

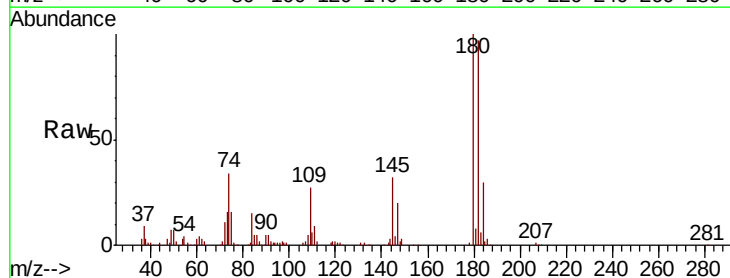


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:180 Resp: 54517
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.8
145 32.1 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

