

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003603.D
 Acq On : 27 Jun 2018 10:24
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 14:03:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	338139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	311593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123465	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.88	113	109403	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.33	98	440945	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.63	95	157898	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48546	71.81	ug/l	88
3) Chloromethane	2.21	50	77417	45.33	ug/l	97
4) Vinyl Chloride	2.36	62	107271	43.08	ug/l	98
5) Bromomethane	2.78	94	68141	41.17	ug/l	98
6) Chloroethane	2.92	64	73829	42.60	ug/l	99
7) Trichlorofluoromethane	3.25	101	75108	50.35	ug/l	97
8) Diethyl Ether	3.68	74	49320	45.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98941	47.77	ug/l	99
10) Methyl Iodide	4.26	142	144631	46.17	ug/l	100
11) Tert butyl alcohol	5.23	59	12578	96.83	ug/l #	74
12) 1,1-Dichloroethene	4.03	96	94071	46.47	ug/l	97
13) Acrolein	3.90	56	39983	215.29	ug/l	98
14) Allyl chloride	4.66	41	162802	46.43	ug/l	100
15) Acrylonitrile	5.38	53	104956	232.80	ug/l	100
16) Acetone	4.15	43	137286	270.27	ug/l	99
17) Carbon Disulfide	4.37	76	272099	45.47	ug/l	100
18) Methyl Acetate	4.68	43	56731	47.08	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	176238	46.49	ug/l	99
20) Methylene Chloride	4.90	84	105874	48.99	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	102762	46.65	ug/l	98
22) Diisopropyl ether	6.31	45	342332	48.51	ug/l	97
23) Vinyl Acetate	6.26	43	954352	234.69	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201555	48.11	ug/l	98
25) 2-Butanone	7.18	43	155917	246.84	ug/l	99
26) 2,2-Dichloropropane	7.17	77	130715	46.75	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	114654	47.38	ug/l	98
28) Bromochloromethane	7.51	49	94080	53.97	ug/l	97
29) Tetrahydrofuran	7.54	42	88930	230.37	ug/l	98
30) Chloroform	7.68	83	203972	47.79	ug/l	97
31) Cyclohexane	7.96	56	177656	45.39	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	169695	48.17	ug/l	100
36) 1,1-Dichloropropene	8.09	75	163677	50.12	ug/l	99
37) Ethyl Acetate	7.26	43	61063	45.14	ug/l	99
38) Carbon Tetrachloride	8.07	117	160468	50.10	ug/l	97

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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)
39) Methylcyclohexane	9.34	83	189406	50.13	ug/l	98
40) Benzene	8.32	78	444833	49.42	ug/l	98
41) Methacrylonitrile	7.49	41	39395	47.45	ug/l	100
42) 1,2-Dichloroethane	8.40	62	138323	49.05	ug/l	99
43) Isopropyl Acetate	8.43	43	123573	46.00	ug/l	99
44) Trichloroethene	9.09	130	116182	48.71	ug/l	99
45) 1,2-Dichloropropane	9.37	63	113984	49.73	ug/l	99
46) Dibromomethane	9.46	93	57002	48.58	ug/l	98
47) Bromodichloromethane	9.65	83	151077	50.23	ug/l	98
48) Methyl methacrylate	9.44	41	60036	47.56	ug/l	99
49) 1,4-Dioxane	9.49	88	15873	895.94	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	332601	242.99	ug/l	99
52) Toluene	10.39	92	287615	49.83	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	149080	48.52	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	173344	49.57	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	80487	48.68	ug/l	99
56) Ethyl methacrylate	10.65	69	97969	48.79	ug/l	99
57) 1,3-Dichloropropane	10.94	76	140238	49.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	218017	242.22	ug/l	99
59) 2-Hexanone	10.98	43	253729	265.35	ug/l	99
60) Dibromochloromethane	11.13	129	96816	49.24	ug/l	100
61) 1,2-Dibromoethane	11.24	107	76306	48.79	ug/l	98
64) Tetrachloroethene	10.87	164	99573	47.78	ug/l	97
65) Chlorobenzene	11.66	112	314015	48.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	110652	48.53	ug/l	99
67) Ethyl Benzene	11.74	91	574792	49.97	ug/l	100
68) m/p-Xylenes	11.85	106	439630	100.55	ug/l	99
69) o-Xylene	12.17	106	202862	50.06	ug/l	100
70) Styrene	12.19	104	346661	51.40	ug/l	99
71) Bromoform	12.35	173	56229	47.58	ug/l	100
73) Isopropylbenzene	12.47	105	578413	48.96	ug/l	99
74) N-amyl acetate	12.28	43	122736	45.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	95284	47.68	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	128013	88.17	ug/l #	100
77) Bromobenzene	12.76	156	129411	47.04	ug/l	97
78) n-propylbenzene	12.81	91	722133	49.92	ug/l	100
79) 2-Chlorotoluene	12.90	91	401247	49.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	494579	49.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28975	45.92	ug/l	95
82) 4-Chlorotoluene	12.99	91	422441	48.71	ug/l	100
83) tert-Butylbenzene	13.21	119	418016	49.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	507522	49.76	ug/l	100
85) sec-Butylbenzene	13.39	105	628013	50.00	ug/l	100
86) p-Isopropyltoluene	13.51	119	550509	49.69	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	271889	48.11	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	268367	47.76	ug/l	100
89) n-Butylbenzene	13.83	91	545432	50.51	ug/l	99
90) Hexachloroethane	14.10	117	97396	48.60	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	237856	48.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15778	46.91	ug/l	98

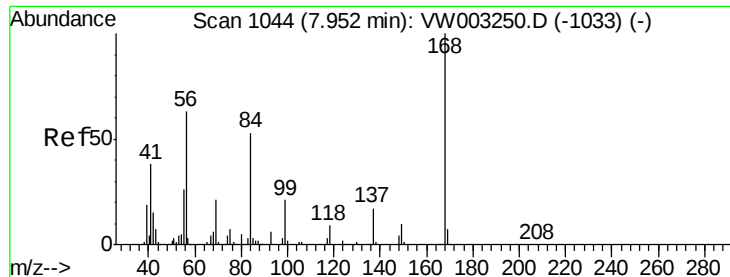
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	165511	47.62	ug/l	99
94) Hexachlorobutadiene	15.25	225	101839	48.71	ug/l	99
95) Naphthalene	15.38	128	277908	47.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	145542	47.58	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

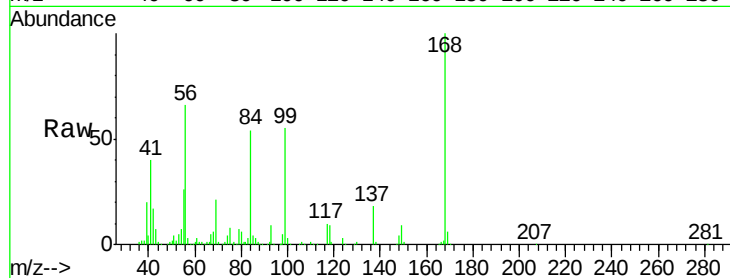
ClientSampled :

Tot Ion:168 Resp: 223607

Ion Ratio Lower Upper

168 100

99 54.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

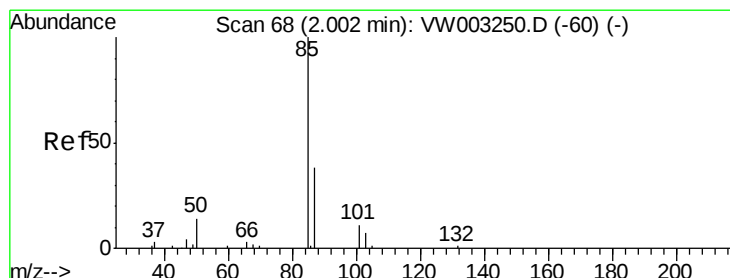
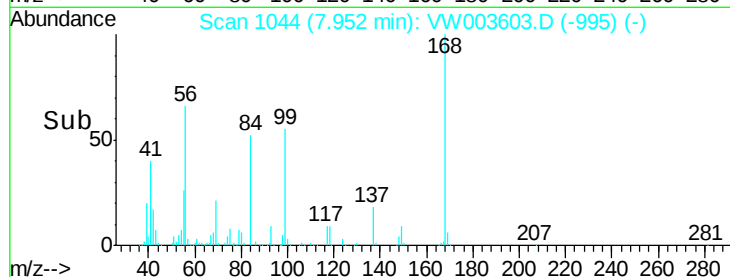
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 71.81 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003603.D

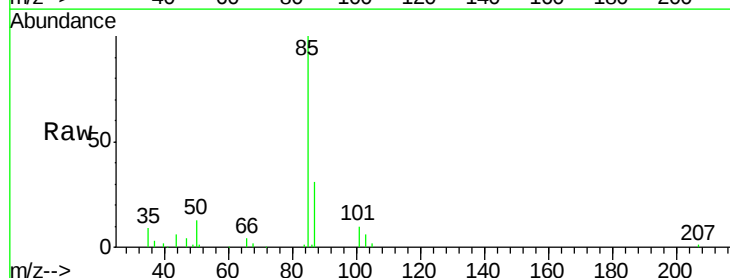
Acq: 27 Jun 2018 10:24

Tgt Ion: 85 Resp: 48546

Ion Ratio Lower Upper

85 100

87 30.7 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

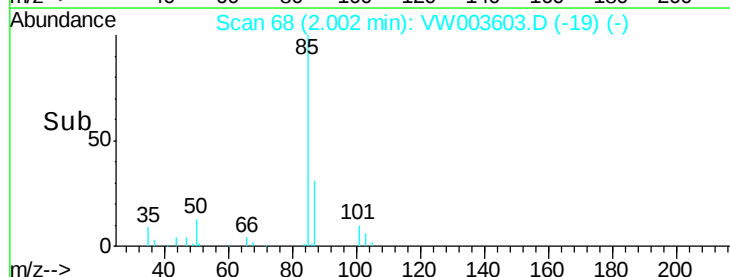
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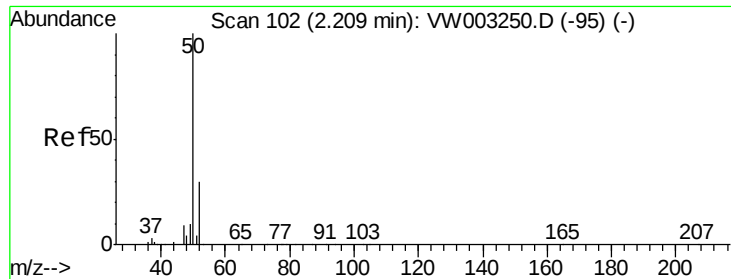
10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.33 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

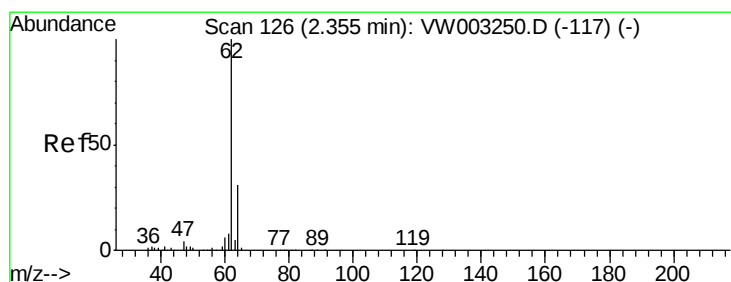
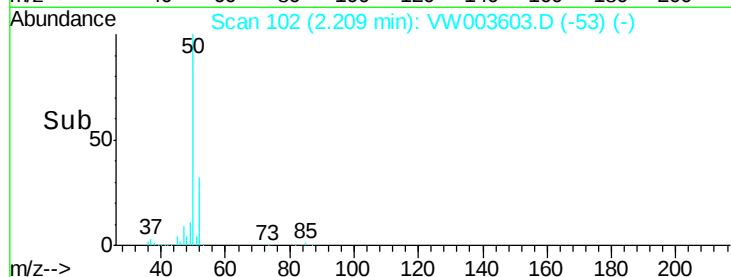
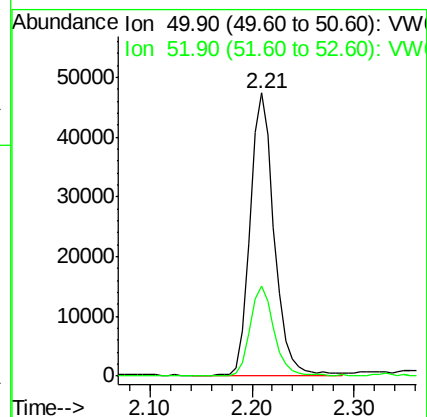
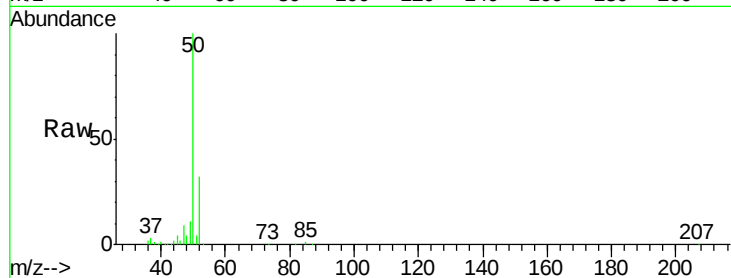
ClientSampled :

Tot Ion: 50 Resp: 77417

Ion Ratio Lower Upper

50 100

52 32.0 24.2 36.2



#4

Vinyl Chloride

Concen: 43.08 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003603.D

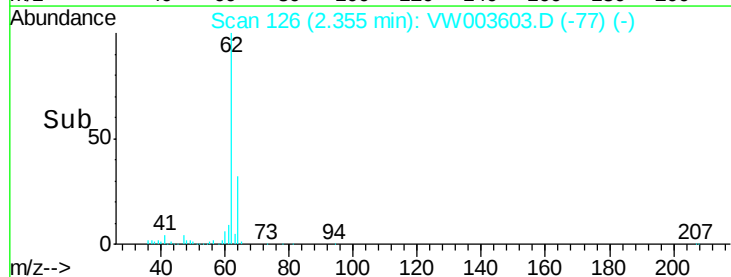
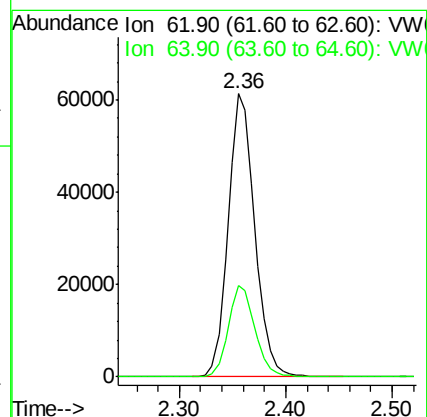
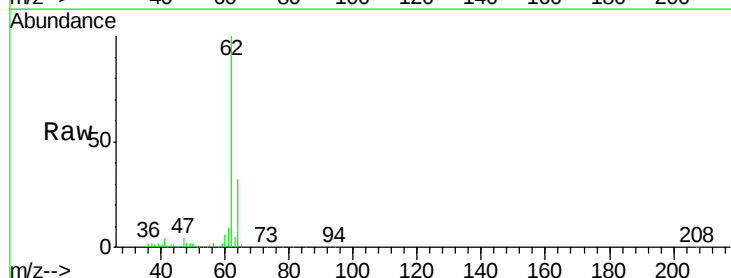
Acq: 27 Jun 2018 10:24

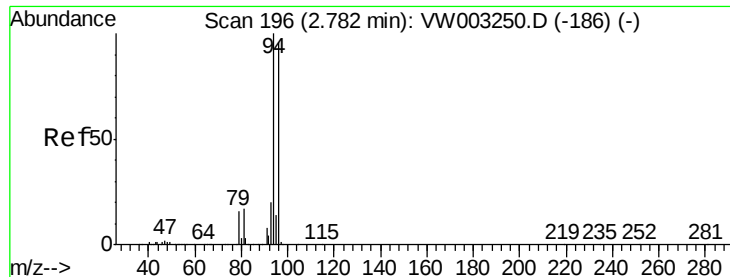
Tgt Ion: 62 Resp: 107271

Ion Ratio Lower Upper

62 100

64 32.3 24.9 37.3





#5

Bromomethane

Concen: 41.17 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

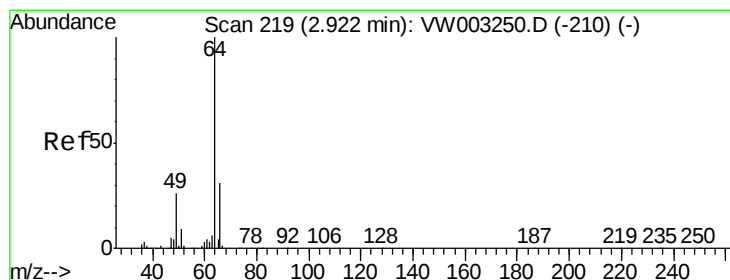
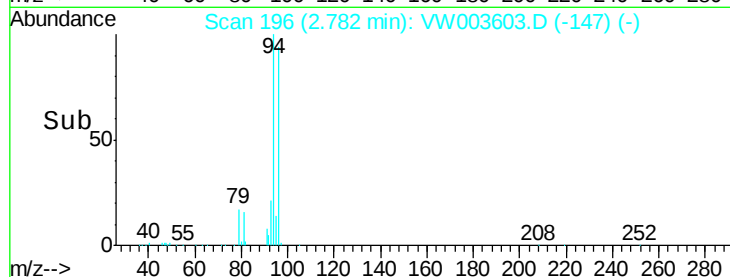
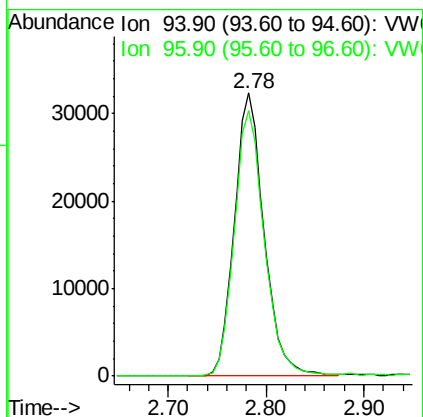
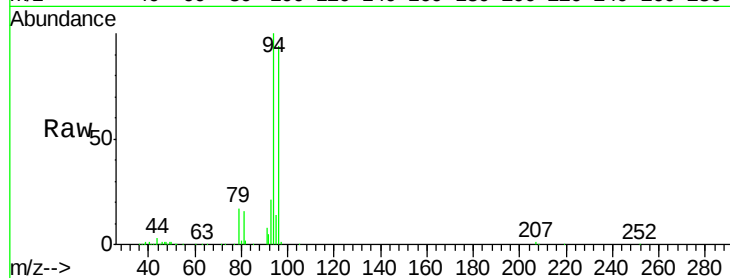
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 68141

Ion Ratio Lower Upper

94 100

96 93.9 76.5 114.7



#6

Chloroethane

Concen: 42.60 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003603.D

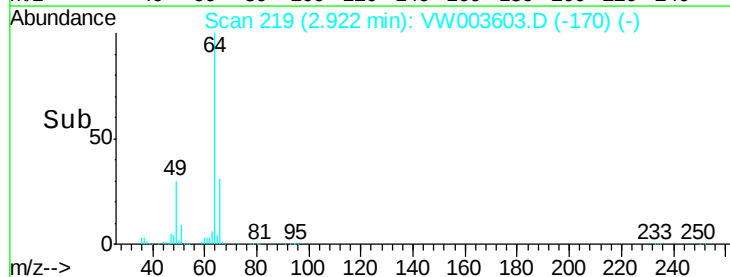
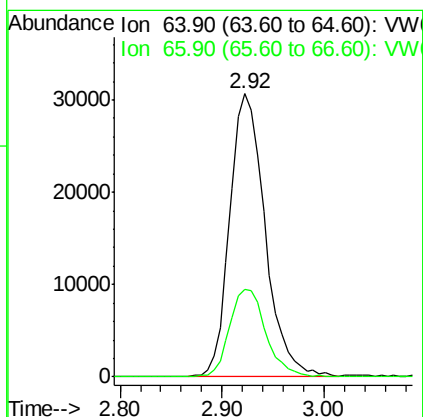
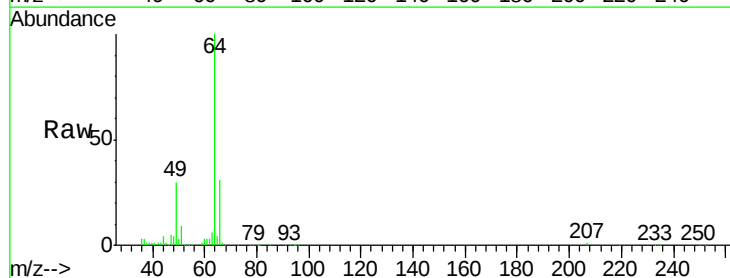
Acq: 27 Jun 2018 10:24

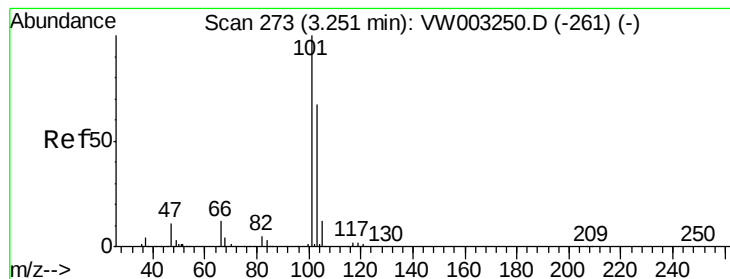
Tgt Ion: 64 Resp: 73829

Ion Ratio Lower Upper

64 100

66 30.8 24.4 36.6



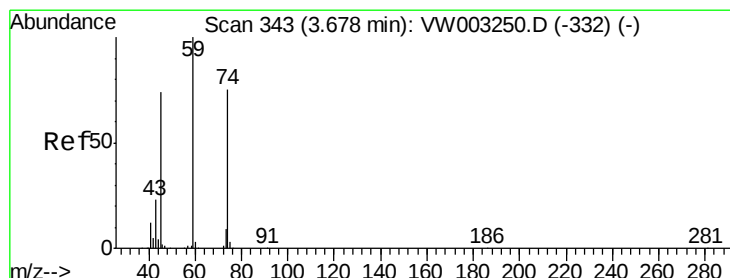
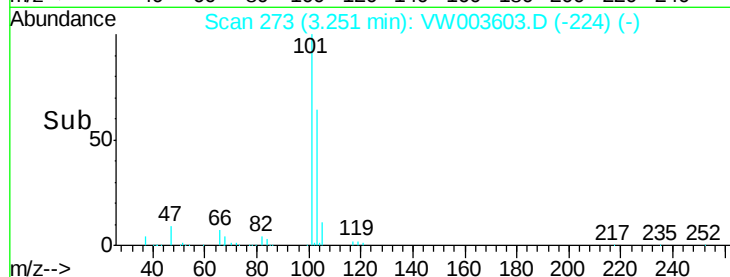
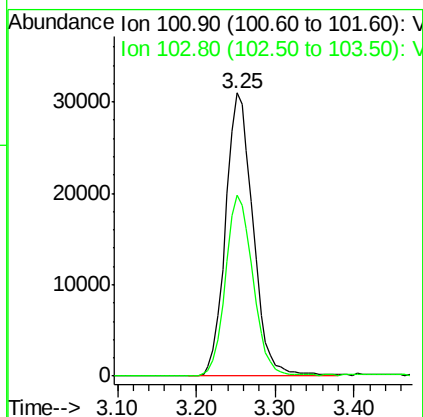
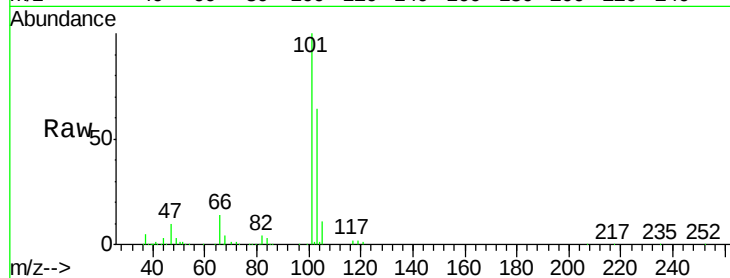


#7

Trichlorofluoromethane
Concen: 50.35 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

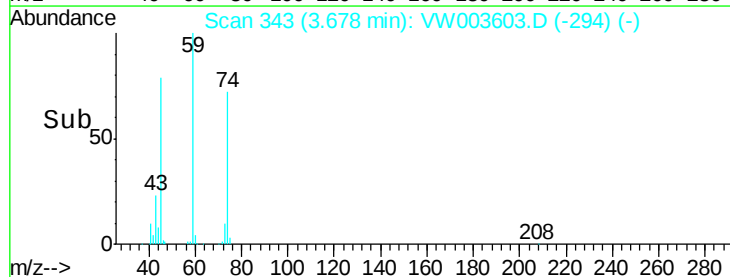
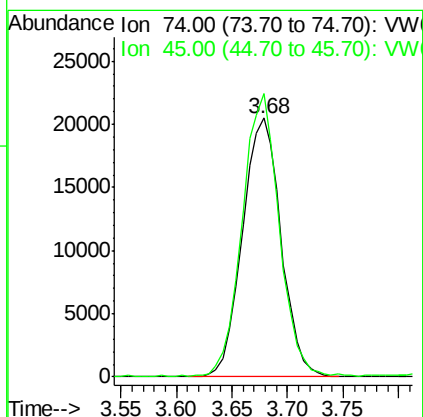
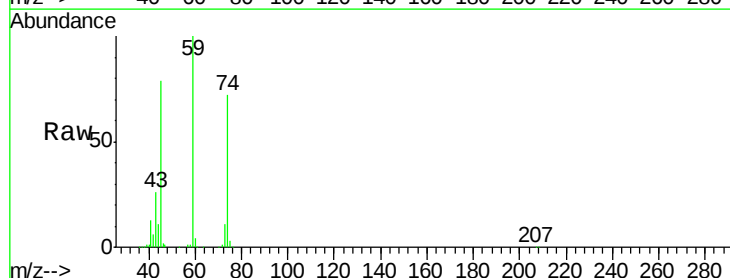
Tot Ion:101 Resp: 75108
Ion Ratio Lower Upper
101 100
103 64.0 53.4 80.0

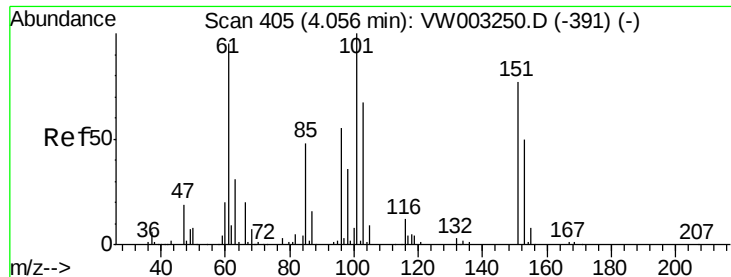


#8

Diethyl Ether
Concen: 45.01 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 74 Resp: 49320
Ion Ratio Lower Upper
74 100
45 104.5 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.77 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

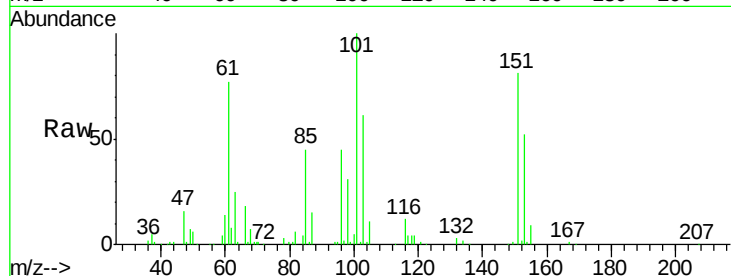
Tot Ion:101 Resp: 98941

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.6

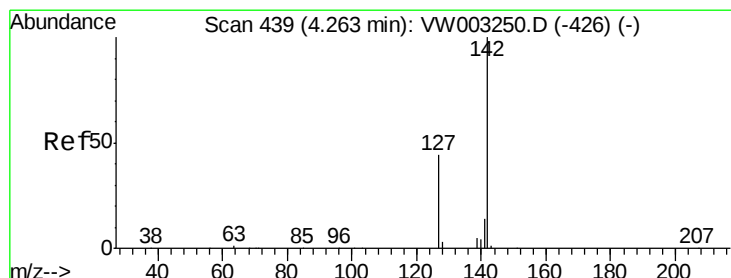
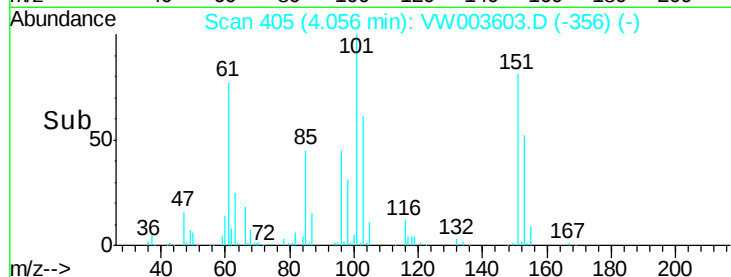
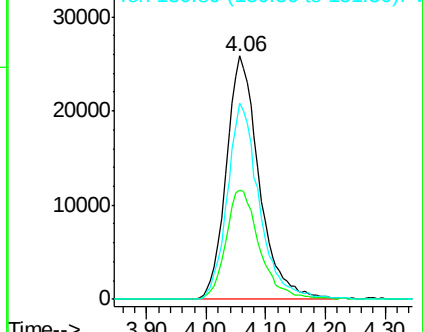
151 78.4 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.17 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

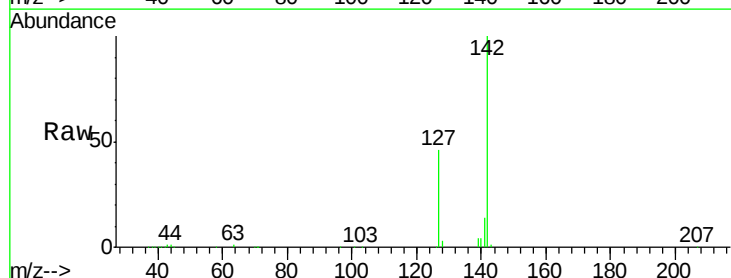
Tgt Ion:142 Resp: 144631

Ion Ratio Lower Upper

142 100

127 45.5 36.5 54.7

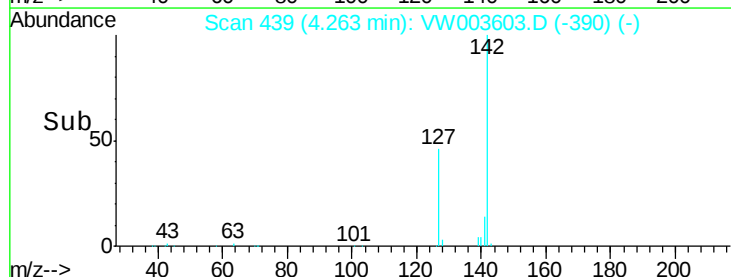
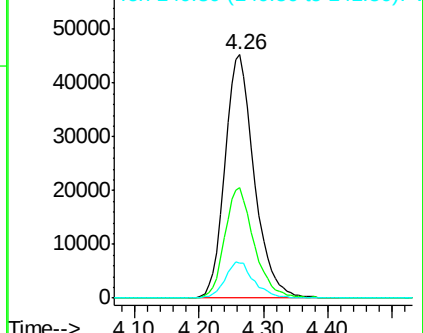
141 14.6 12.1 18.1

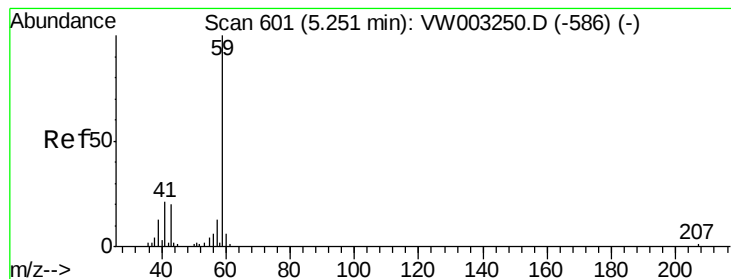


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



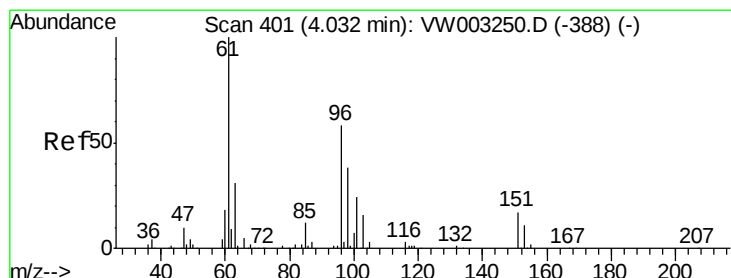
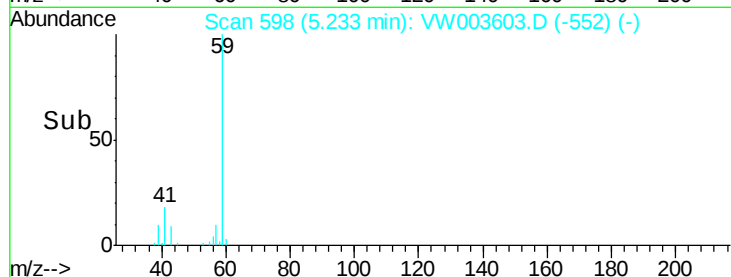
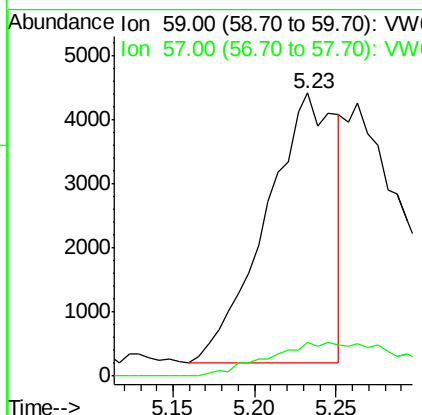
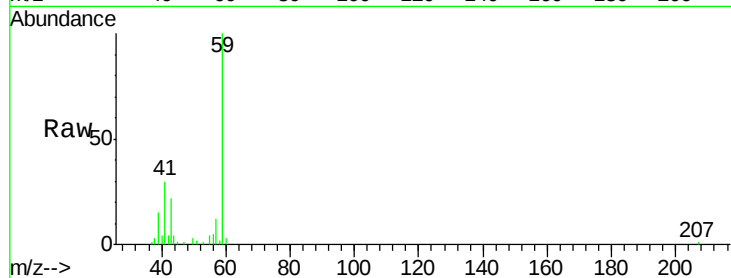


#11

Tert butyl alcohol
 Concen: 96.83 ug/l
 RT: 5.23 min Scan# 598
 Delta R.T. -0.02 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Instrument :
 MSVOA_W
 ClientSampled :

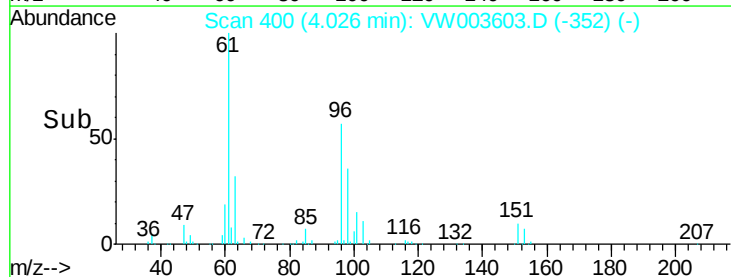
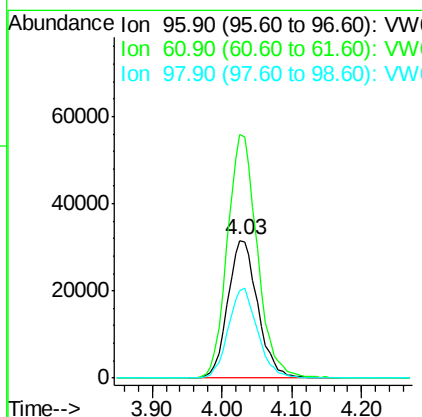
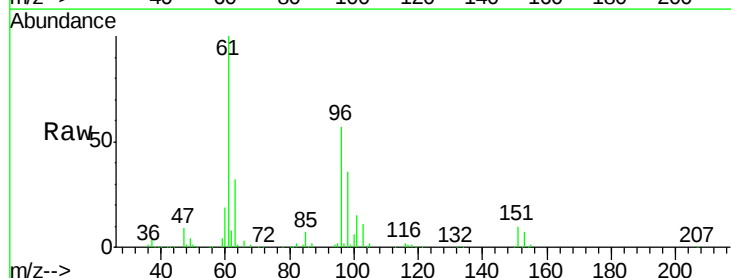
Tot Ion: 59 Resp: 12578
 Ion Ratio Lower Upper
 59 100
 57 14.0 4.2 6.2#

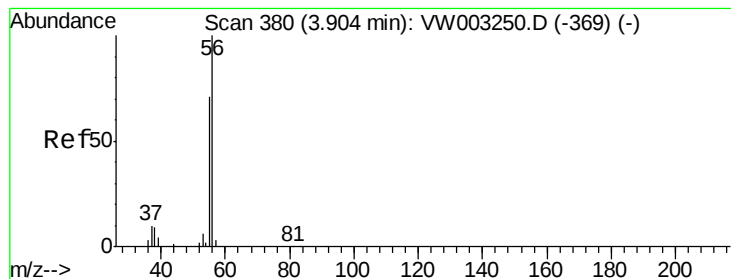


#12

1,1-Dichloroethene
 Concen: 46.47 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion: 96 Resp: 94071
 Ion Ratio Lower Upper
 96 100
 61 176.6 139.0 208.4
 98 63.1 53.3 79.9





#13

Acrolein

Concen: 215.29 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

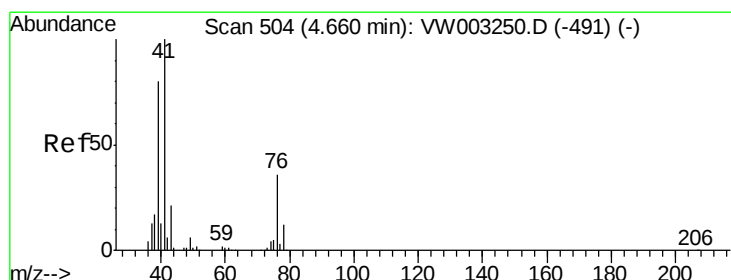
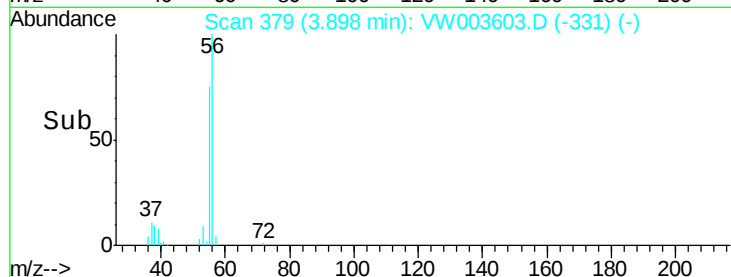
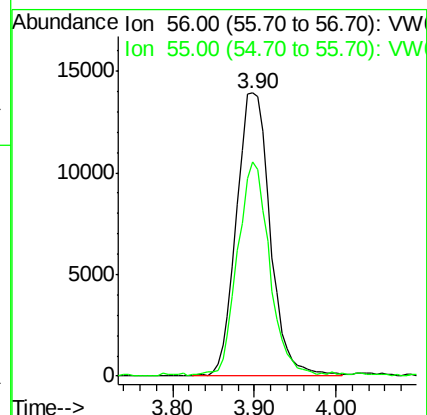
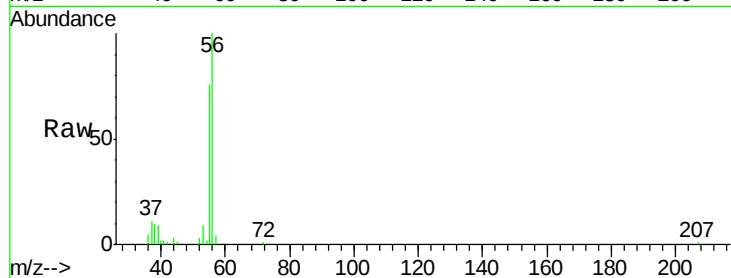
ClientSampleId :

Tot Ion: 56 Resp: 39983

Ion Ratio Lower Upper

56 100

55 70.8 55.4 83.2



#14

Allyl chloride

Concen: 46.43 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

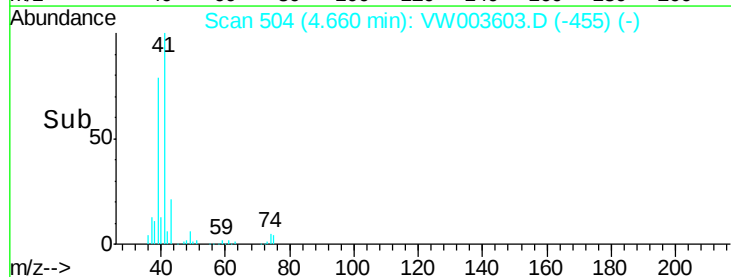
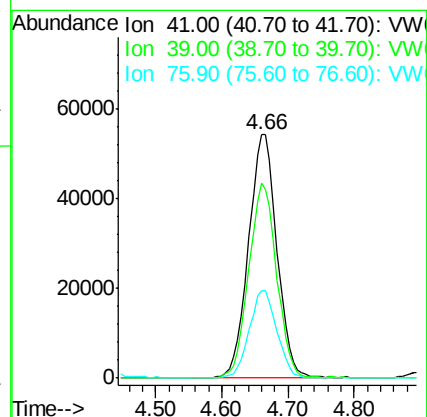
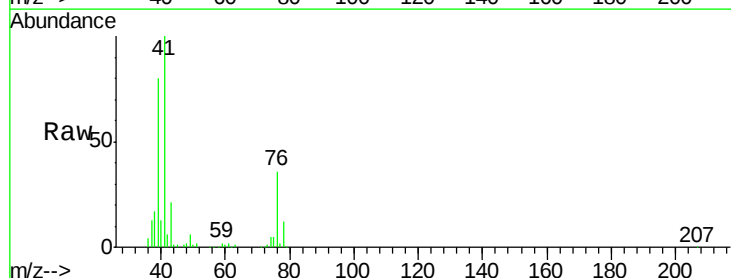
Tgt Ion: 41 Resp: 162802

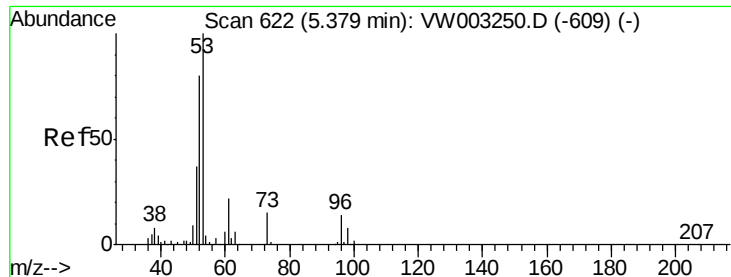
Ion Ratio Lower Upper

41 100

39 78.6 63.2 94.8

76 34.8 28.0 42.0





#15

Acrylonitrile

Concen: 232.80 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

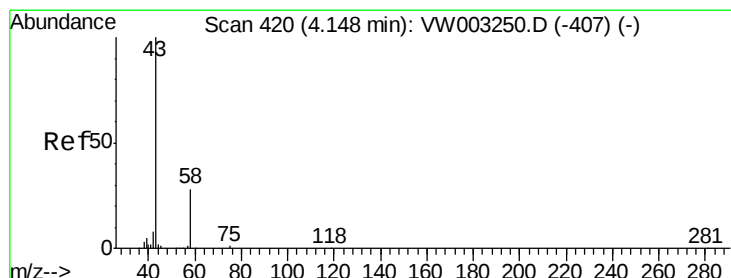
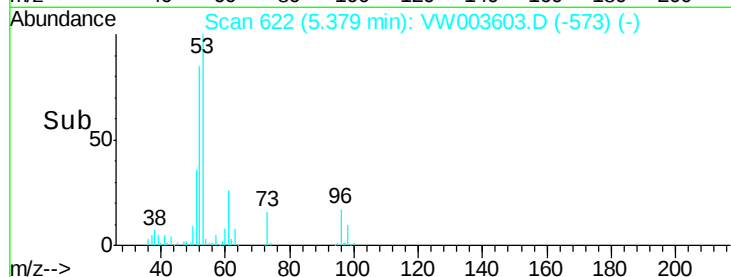
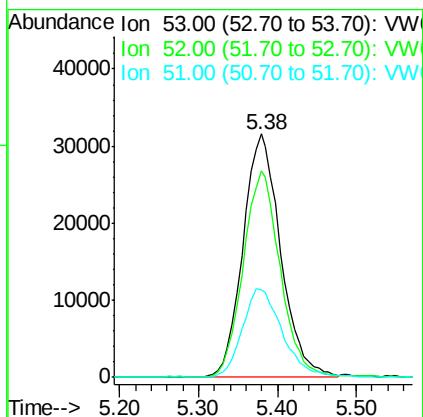
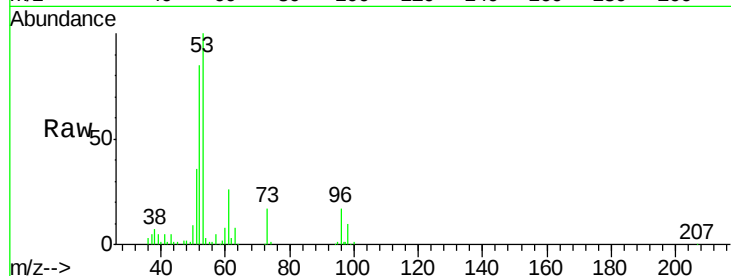
Tot Ion: 53 Resp: 104956

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 38.7 30.6 46.0



#16

Acetone

Concen: 270.27 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003603.D

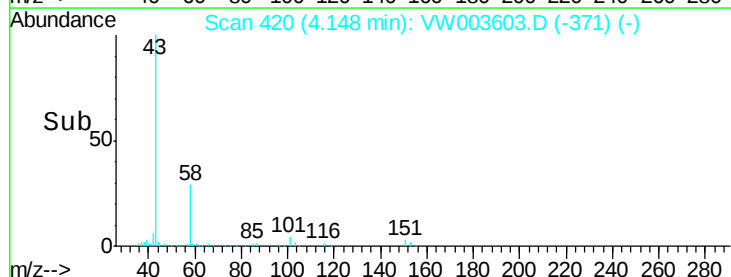
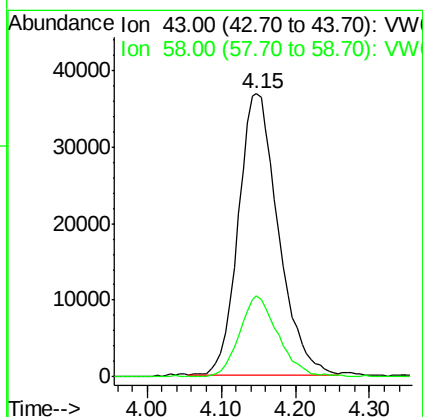
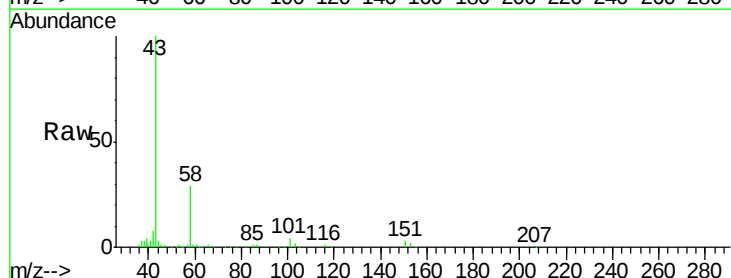
Acq: 27 Jun 2018 10:24

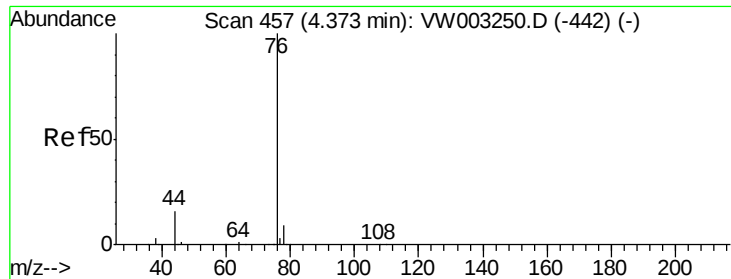
Tgt Ion: 43 Resp: 137286

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0

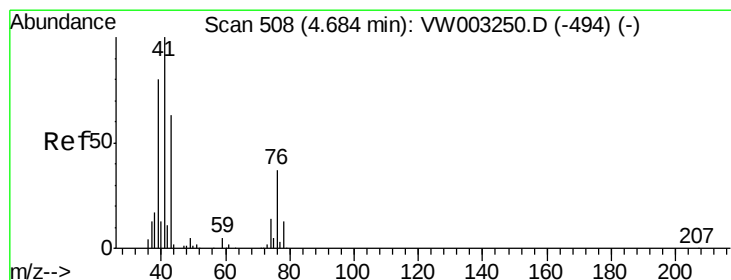
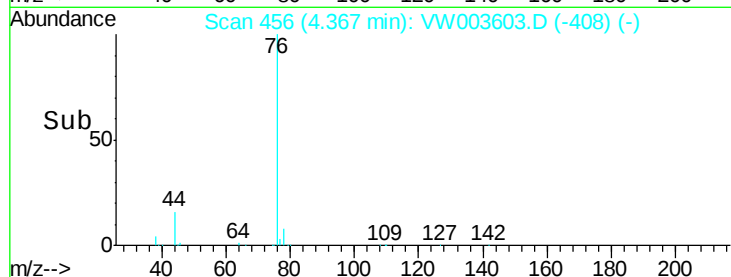
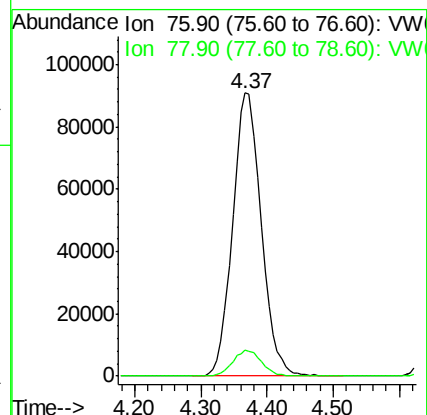
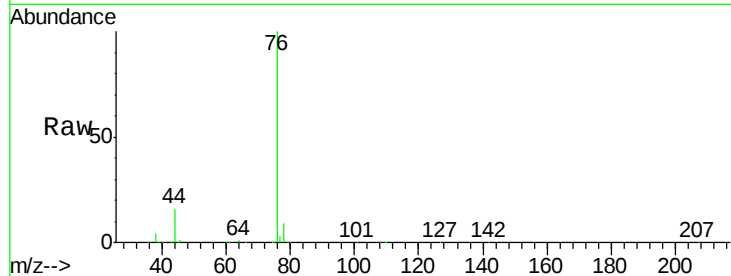




#17
Carbon Disulfide
Concen: 45.47 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

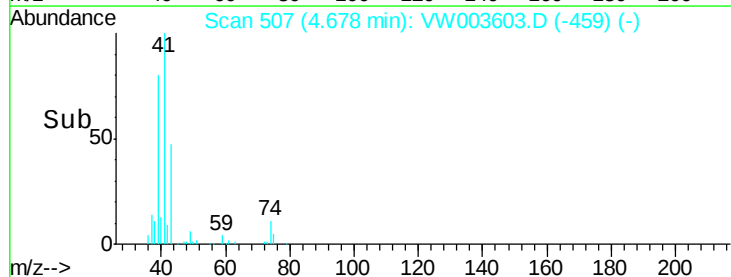
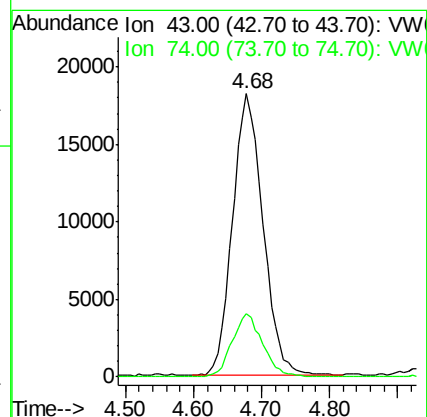
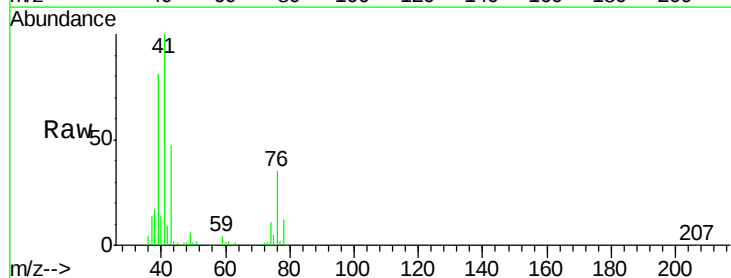
Instrument :
MSVOA_W
ClientSampled :

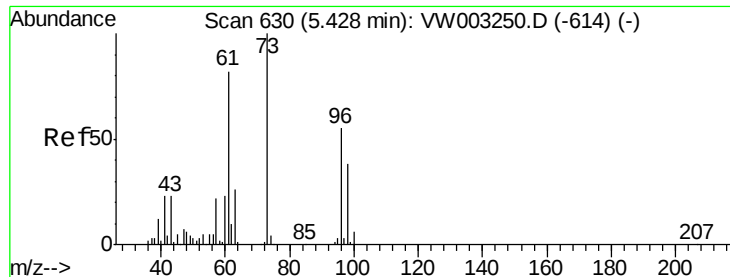
Tot Ion: 76 Resp: 272099
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 47.08 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 43 Resp: 56731
Ion Ratio Lower Upper
43 100
74 22.4 18.7 28.1

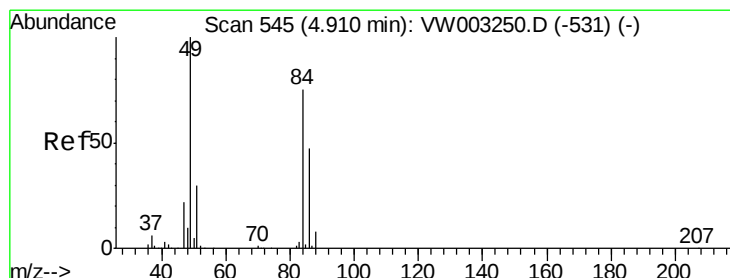
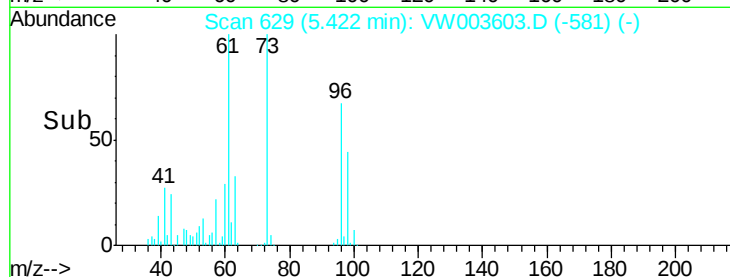
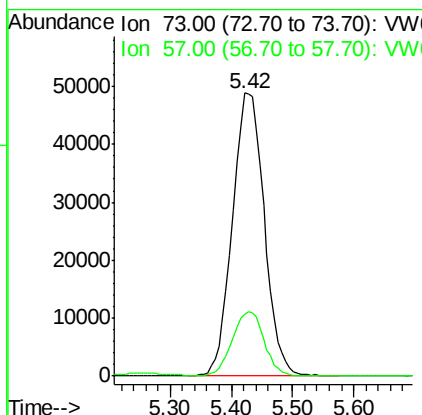
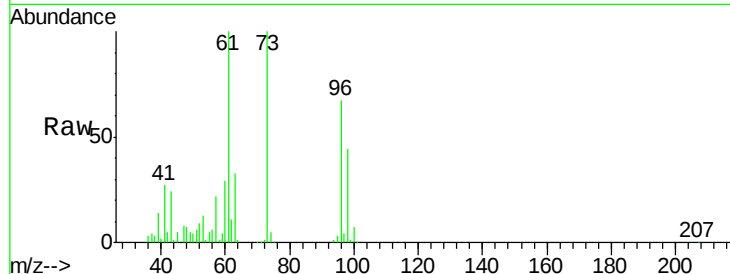




#19
Methyl tert-butyl Ether
Concen: 46.49 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

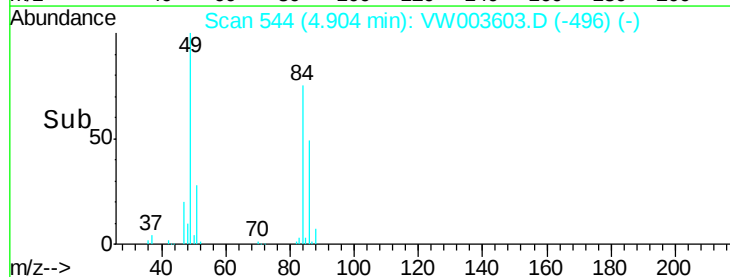
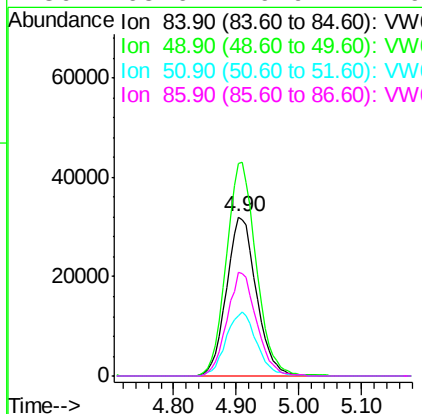
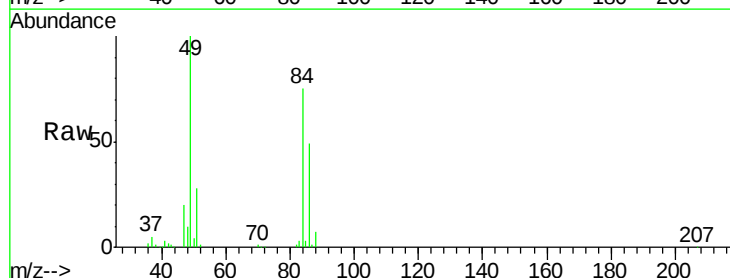
Instrument :
MSVOA_W
ClientSampled :

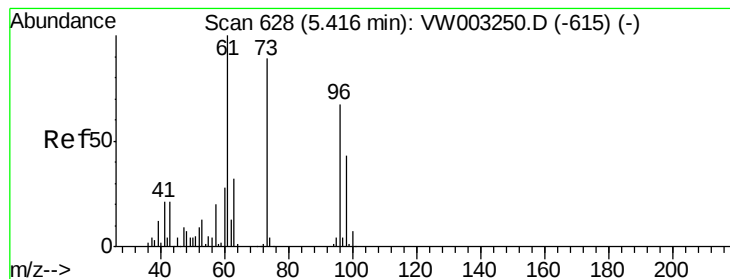
Tot Ion: 73 Resp: 176238
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 48.99 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 84 Resp: 105874
Ion Ratio Lower Upper
84 100
49 133.9 106.3 159.5
51 37.7 32.0 48.0
86 65.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.65 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

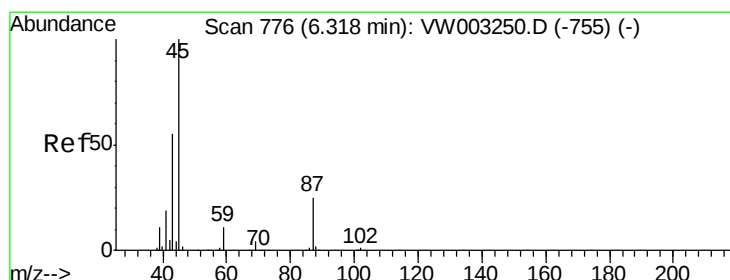
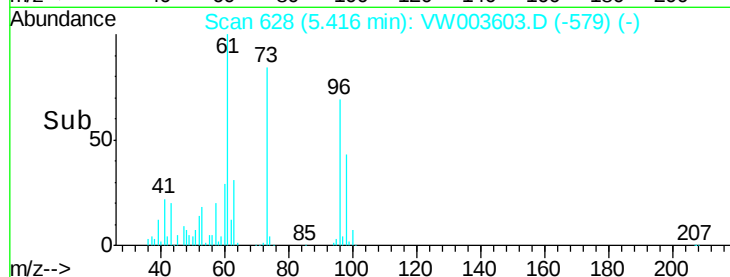
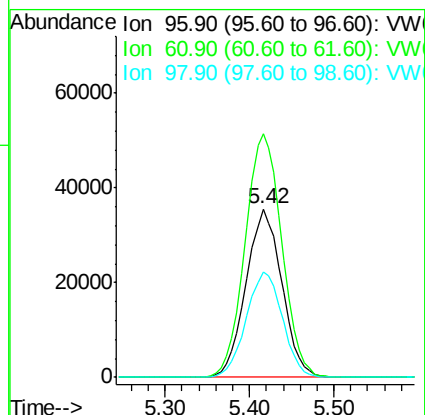
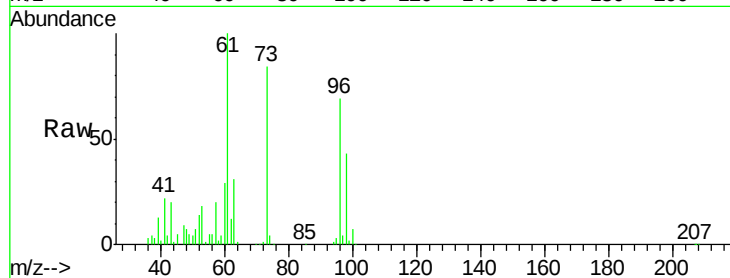
Tot Ion: 96 Resp: 102762

Ion Ratio Lower Upper

96 100

61 144.7 118.7 178.1

98 62.8 51.0 76.6



#22

Diisopropyl ether

Concen: 48.51 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Tgt Ion: 45 Resp: 342332

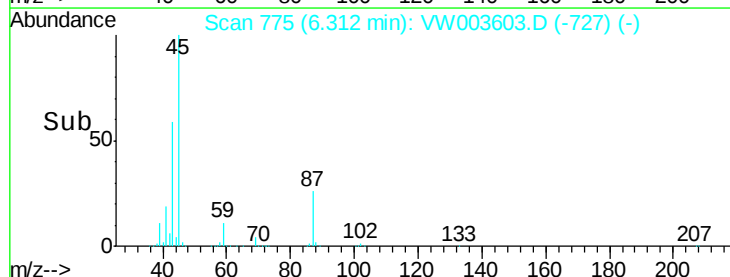
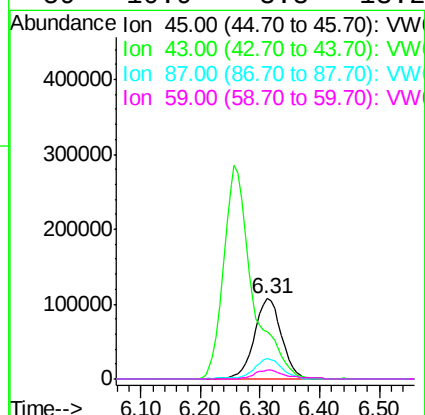
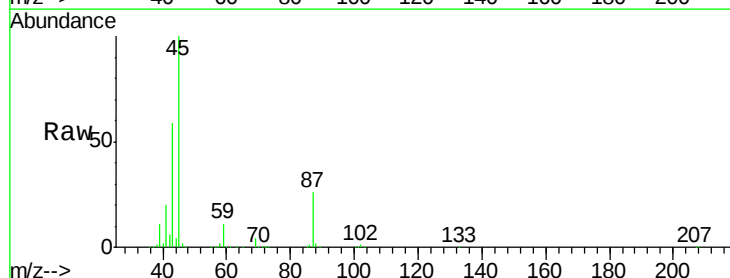
Ion Ratio Lower Upper

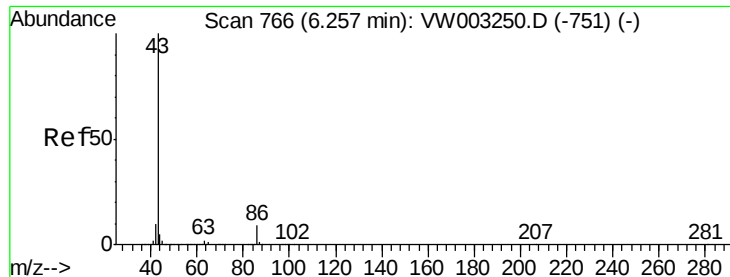
45 100

43 58.9 44.0 66.0

87 25.7 20.6 31.0

59 10.9 8.8 13.2





#23

Vinyl Acetate

Concen: 234.69 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

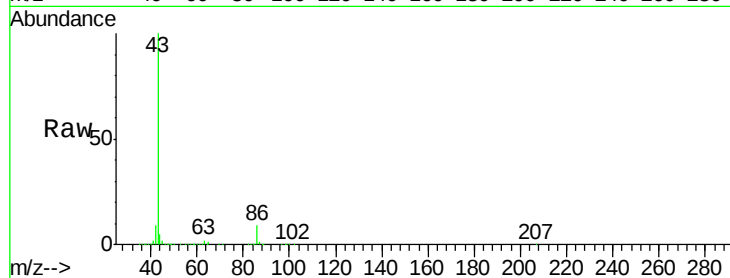
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 954352

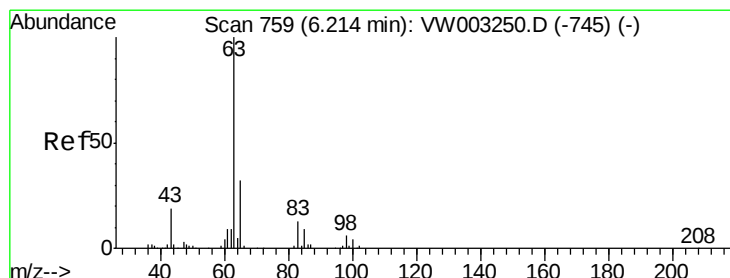
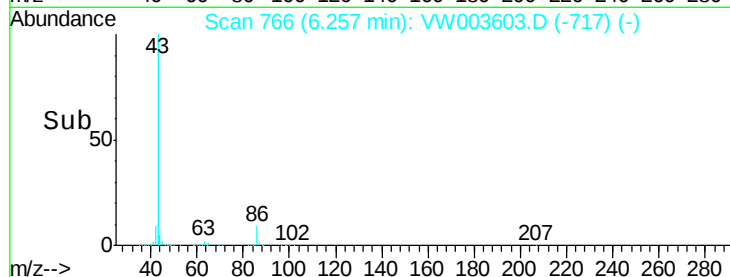
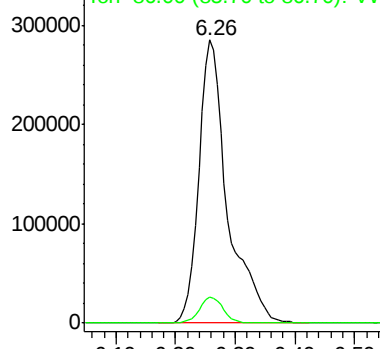
Ion Ratio Lower Upper

43 100

86 9.1 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.11 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

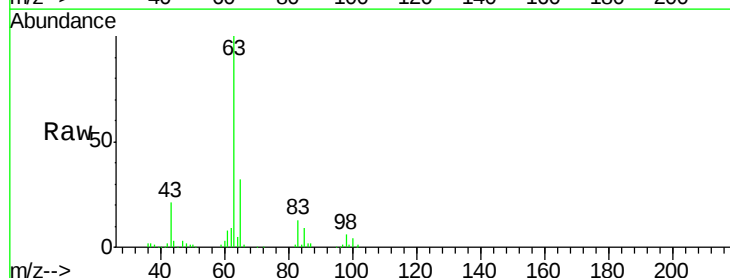
Tgt Ion: 63 Resp: 201555

Ion Ratio Lower Upper

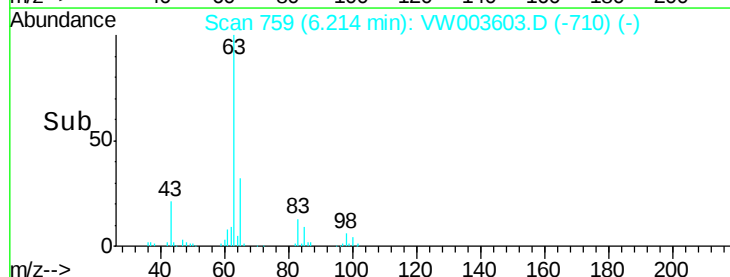
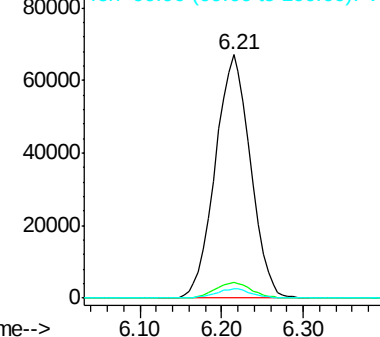
63 100

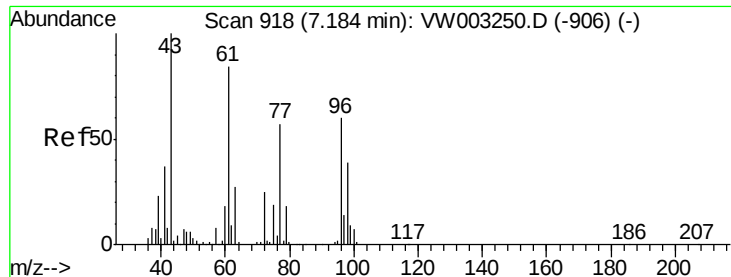
98 6.4 2.8 8.3

100 4.0 2.1 6.5



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





#25

2-Butanone

Concen: 246.84 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

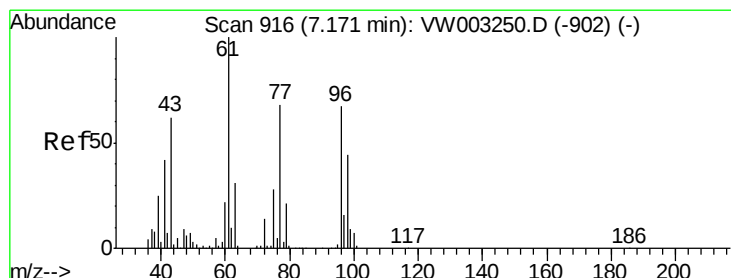
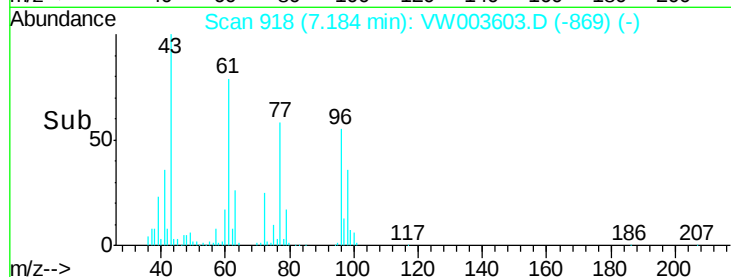
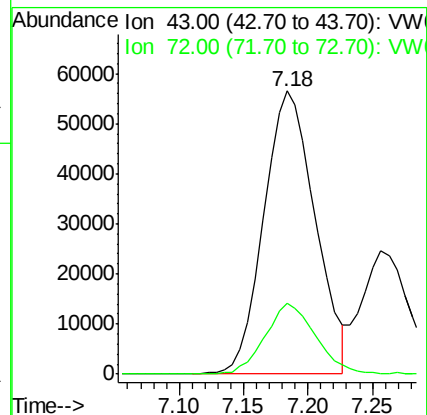
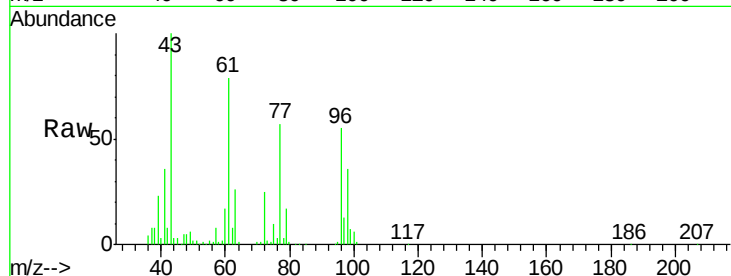
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 155917

Ion Ratio Lower Upper

43 100

72 24.9 20.3 30.5



#26

2,2-Dichloropropane

Concen: 46.75 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003603.D

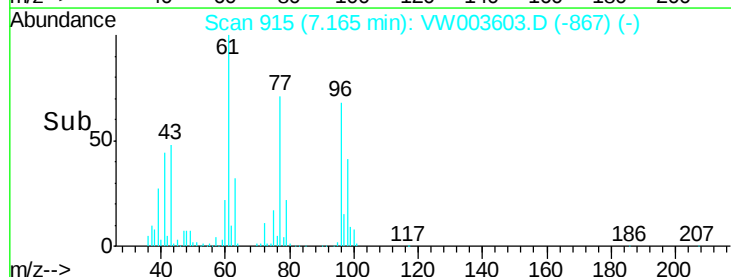
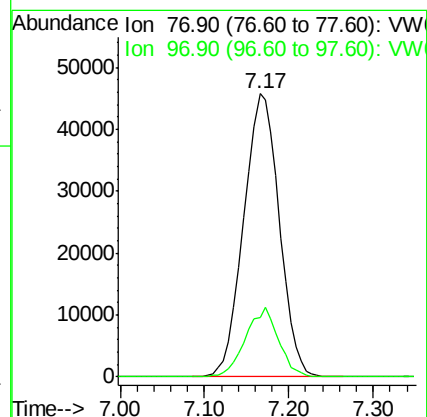
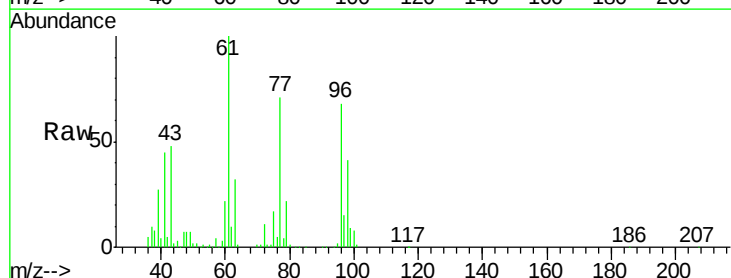
Acq: 27 Jun 2018 10:24

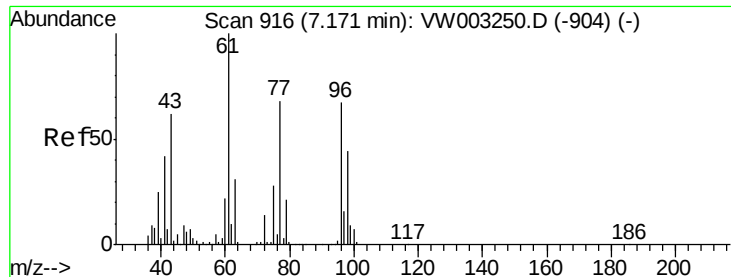
Tgt Ion: 77 Resp: 130715

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 47.38 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

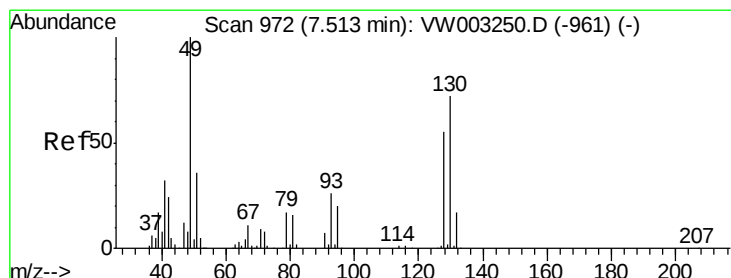
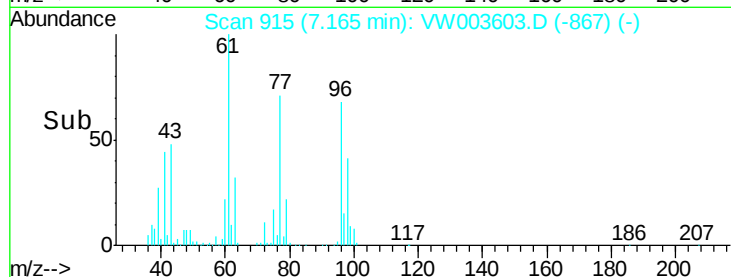
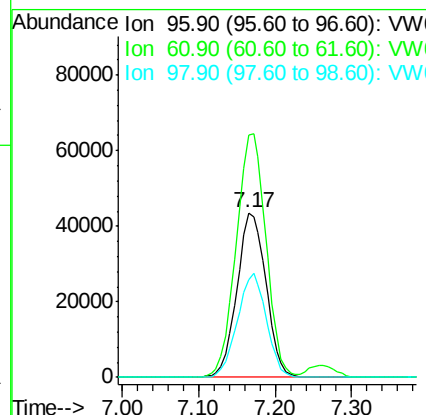
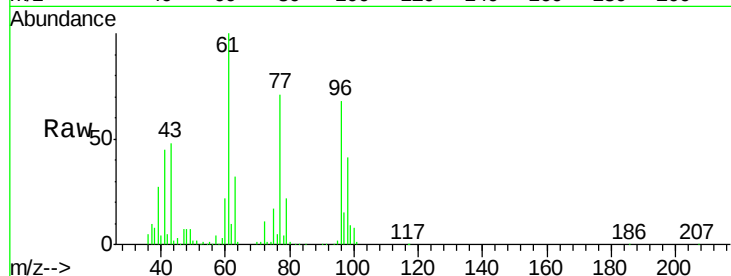
Tot Ion: 96 Resp: 114654

Ion Ratio Lower Upper

96 100

61 151.3 0.0 298.8

98 62.8 0.0 130.4



#28

Bromochloromethane

Concen: 53.97 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

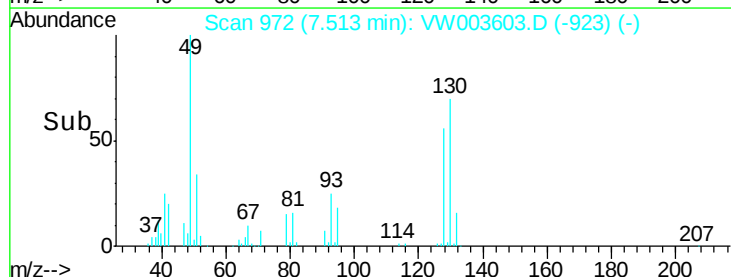
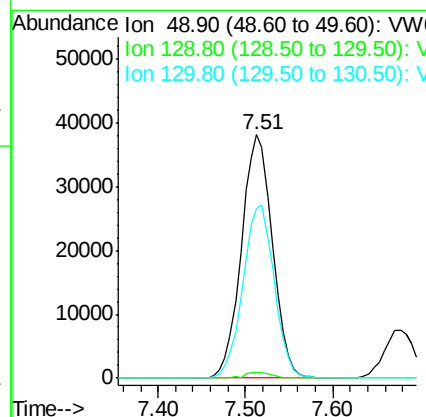
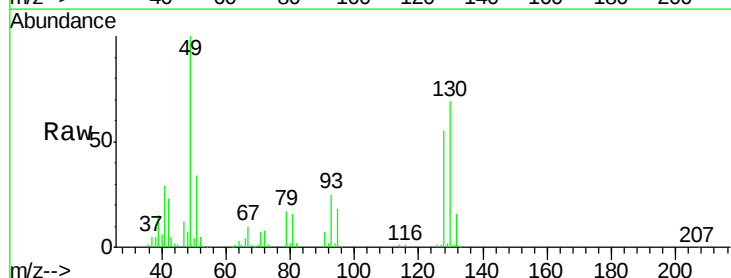
Tgt Ion: 49 Resp: 94080

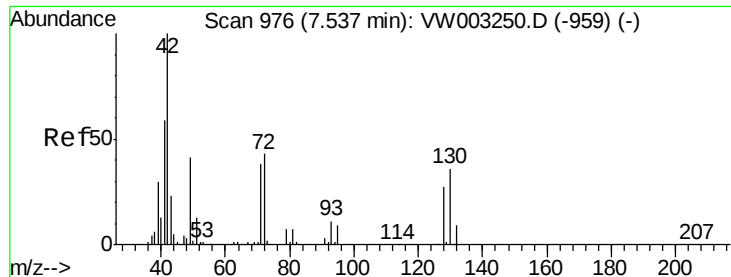
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 71.7 59.4 89.2

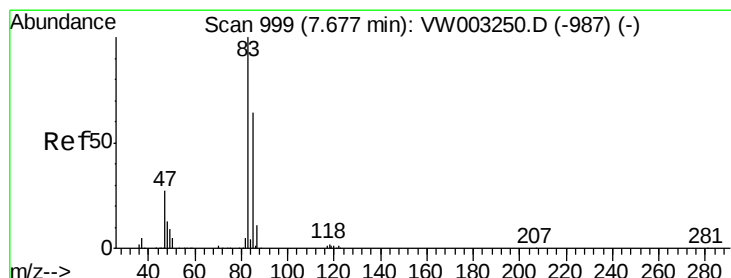
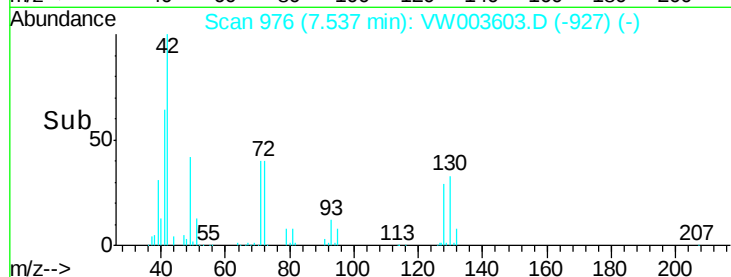
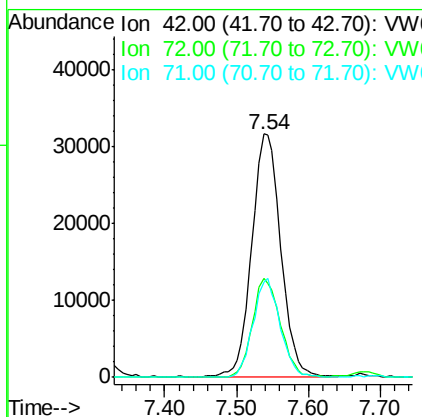
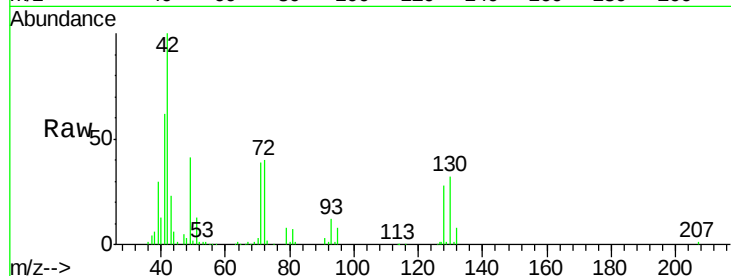




#29
Tetrahydrofuran
Concen: 230.37 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

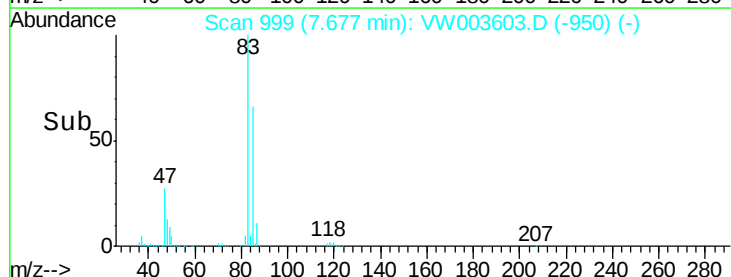
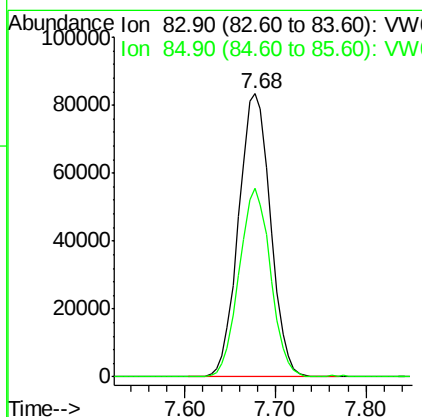
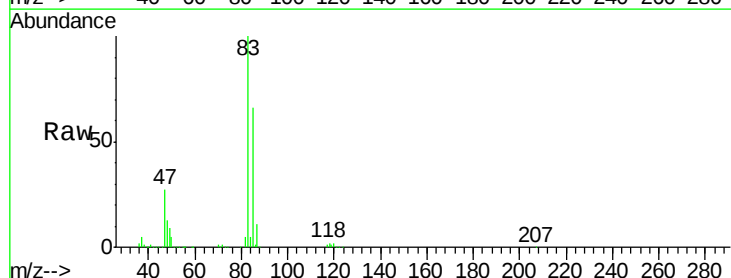
Instrument :
MSVOA_W
ClientSampleId :

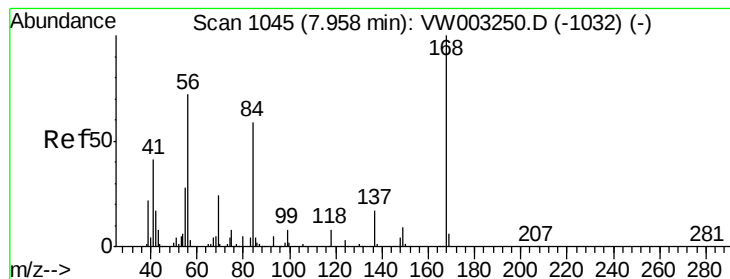
Tot Ion: 42 Resp: 88930
Ion Ratio Lower Upper
42 100
72 39.3 32.4 48.6
71 37.7 31.2 46.8



#30
Chloroform
Concen: 47.79 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 83 Resp: 203972
Ion Ratio Lower Upper
83 100
85 66.5 51.3 76.9





#31

Cyclohexane

Concen: 45.39 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

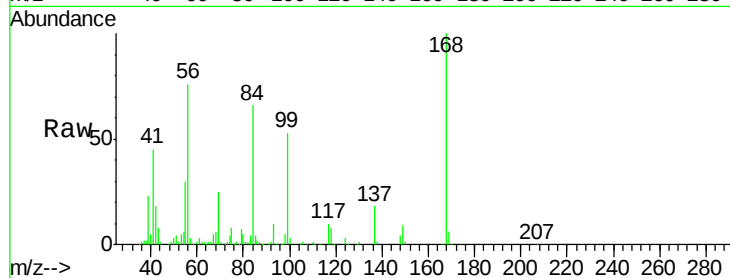
Tot Ion: 56 Resp: 177656

Ion Ratio Lower Upper

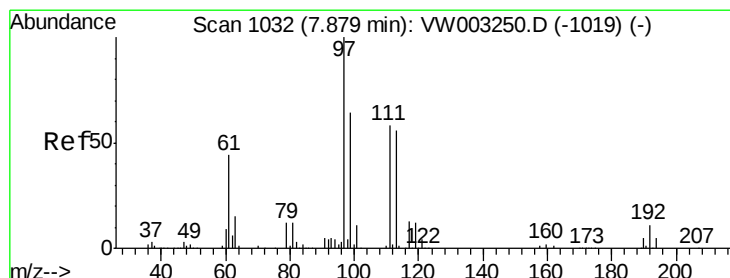
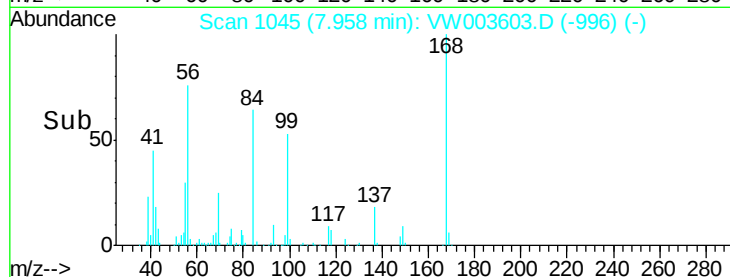
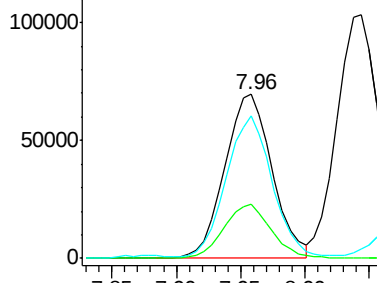
56 100

69 33.1 26.3 39.5

84 85.4 65.7 98.5



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: 48.17 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

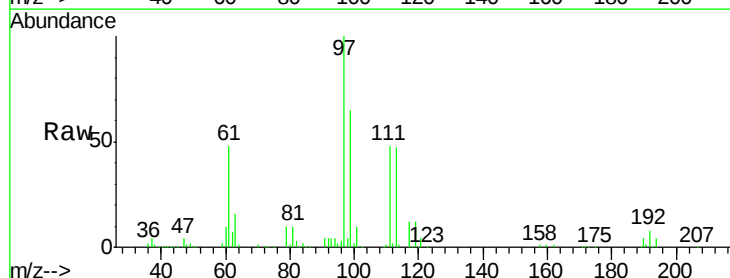
Tgt Ion: 97 Resp: 169695

Ion Ratio Lower Upper

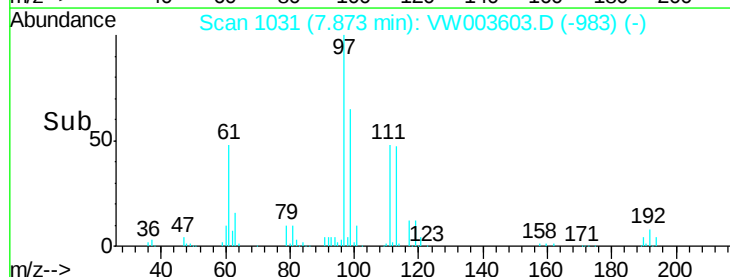
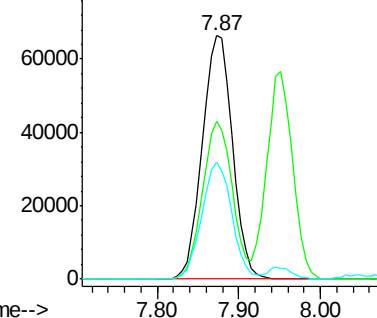
97 100

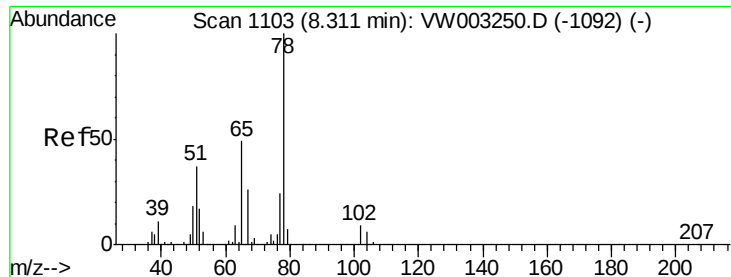
99 64.7 51.7 77.5

61 47.6 37.6 56.4



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: 50.98 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

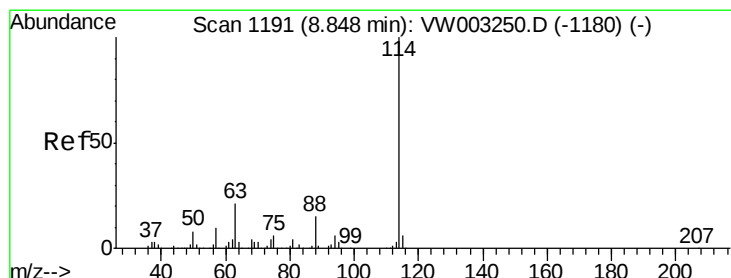
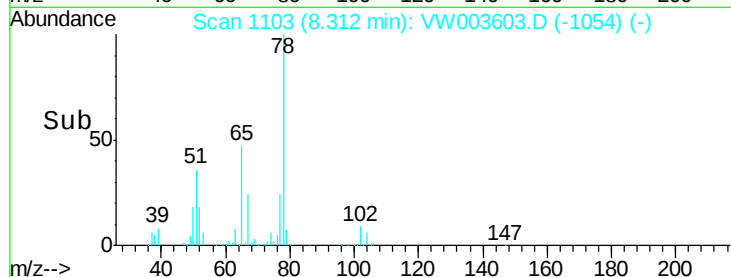
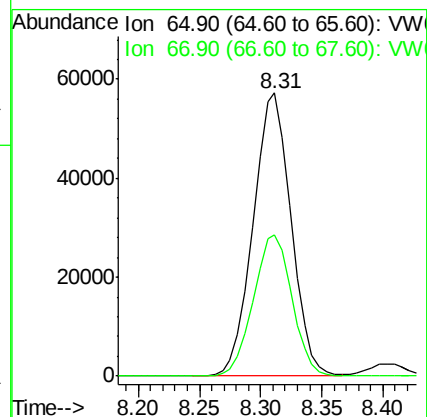
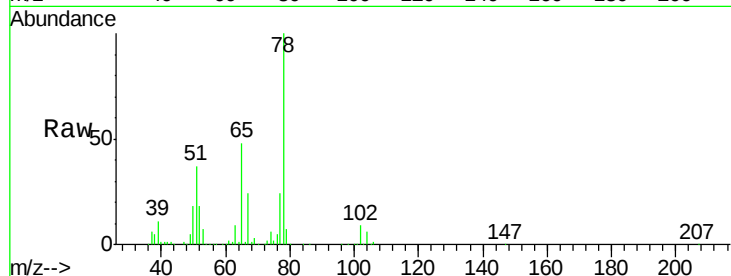
ClientSampleId :

Tot Ion: 65 Resp: 123465

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

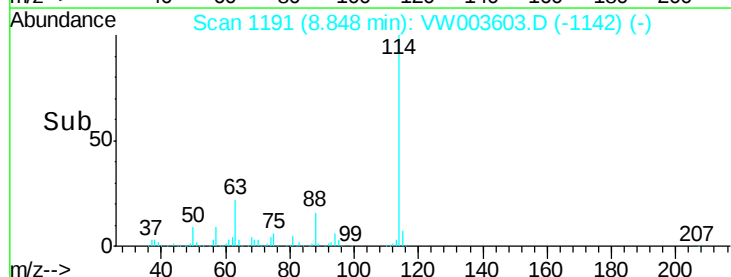
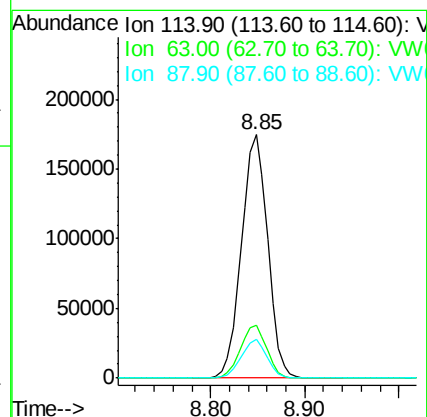
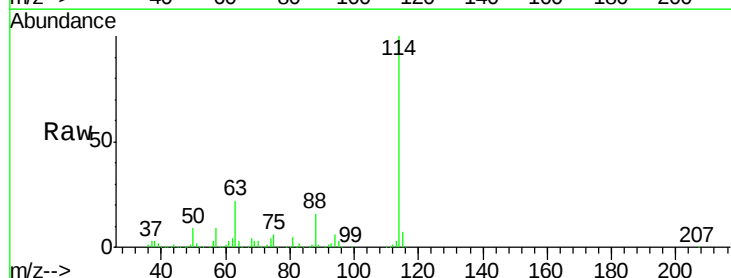
Tgt Ion: 114 Resp: 338139

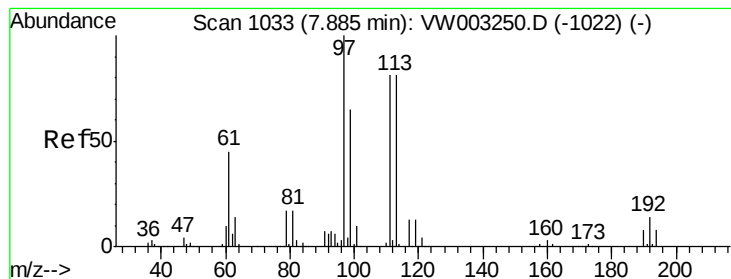
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

88 15.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.07 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

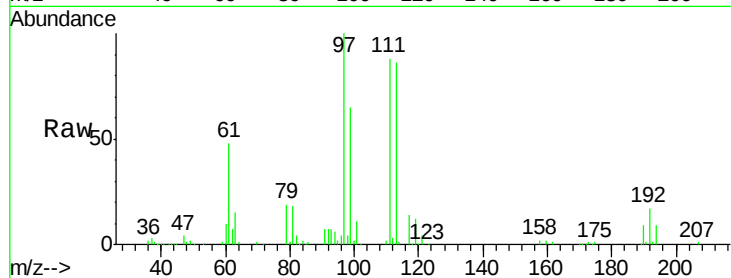
Tot Ion:113 Resp: 109403

Ion Ratio Lower Upper

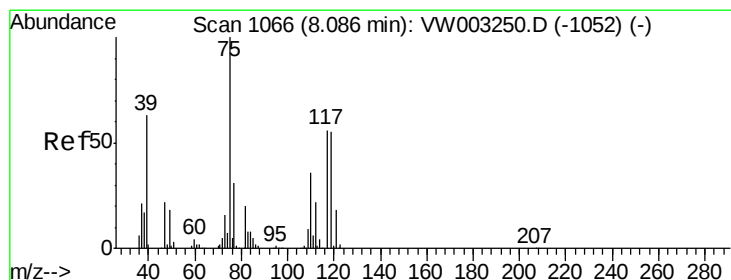
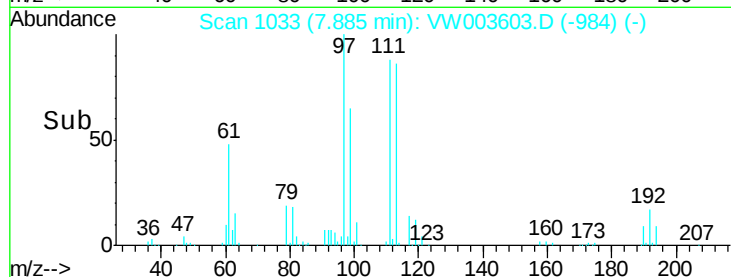
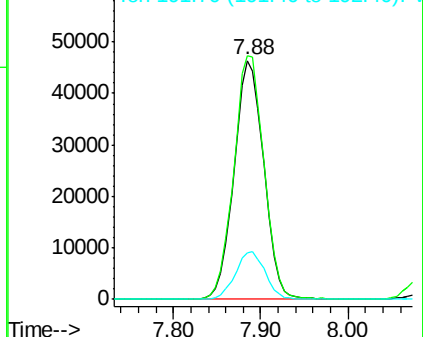
113 100

111 103.7 82.2 123.2

192 19.9 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.12 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

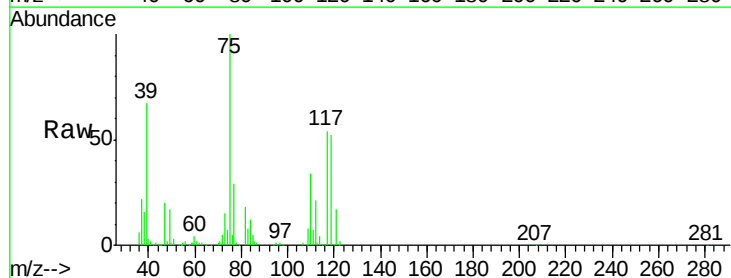
Tgt Ion: 75 Resp: 163677

Ion Ratio Lower Upper

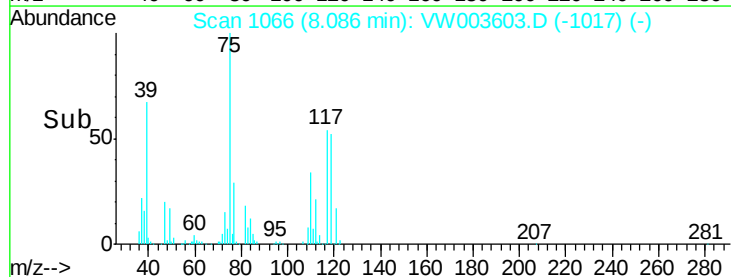
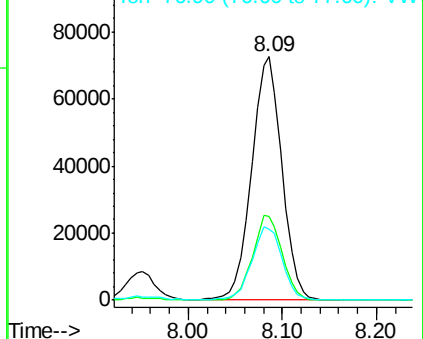
75 100

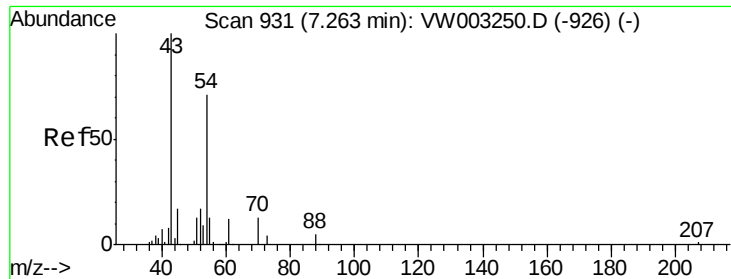
110 34.0 17.1 51.3

77 30.3 24.9 37.3



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

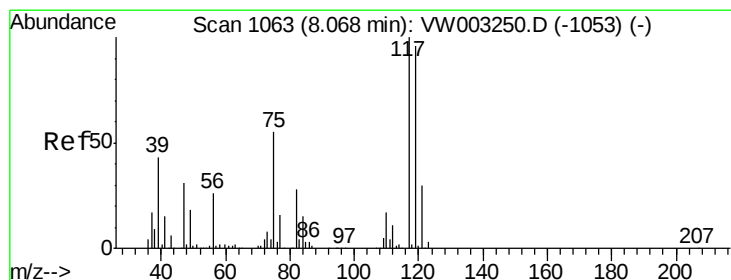
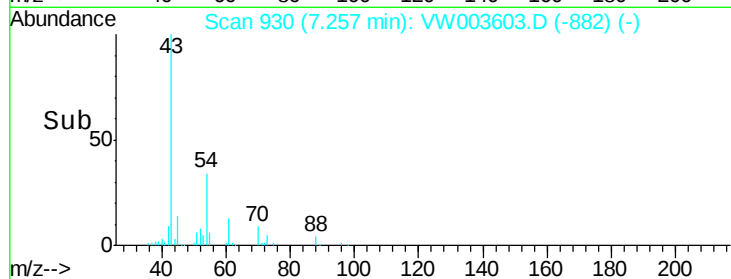
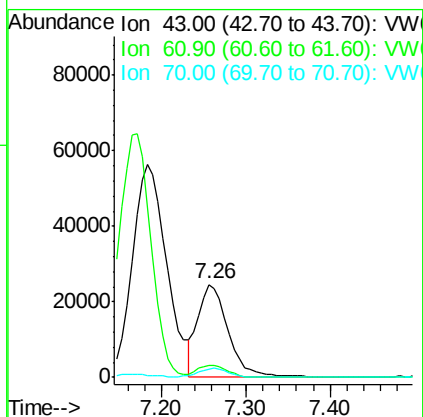
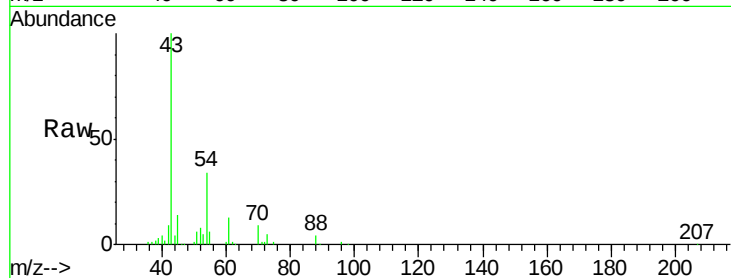




#37
Ethyl Acetate
Concen: 45.14 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

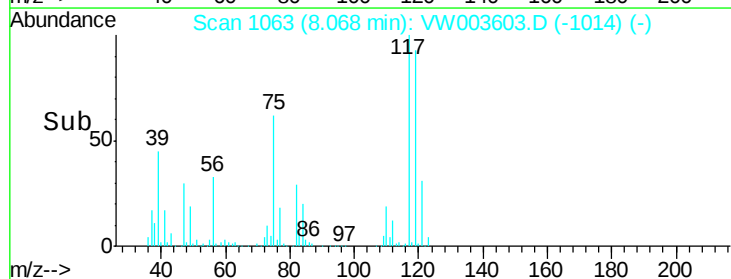
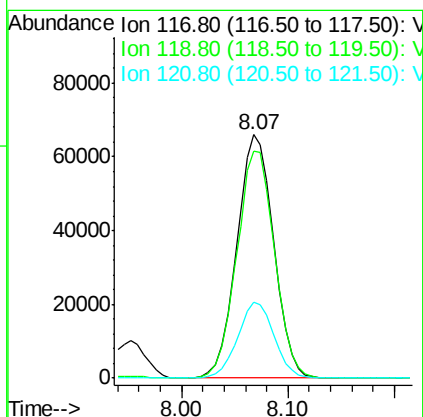
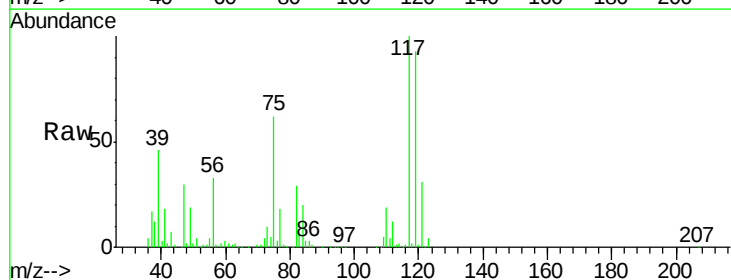
Instrument :
MSVOA_W
ClientSampleId :

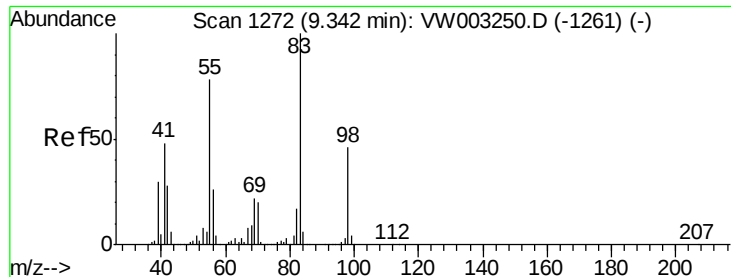
Tot Ion: 43 Resp: 61063
Ion Ratio Lower Upper
43 100
61 13.9 10.8 16.2
70 9.5 7.8 11.6



#38
Carbon Tetrachloride
Concen: 50.10 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 117 Resp: 160468
Ion Ratio Lower Upper
117 100
119 93.2 76.6 115.0
121 31.1 23.9 35.9

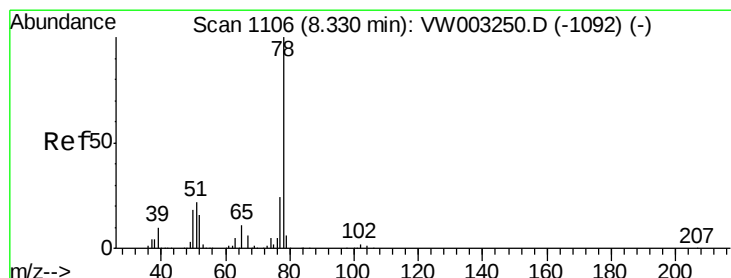
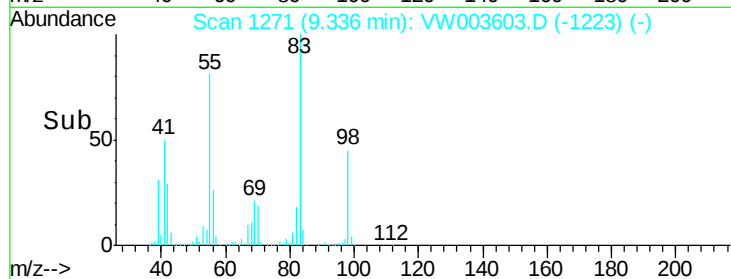
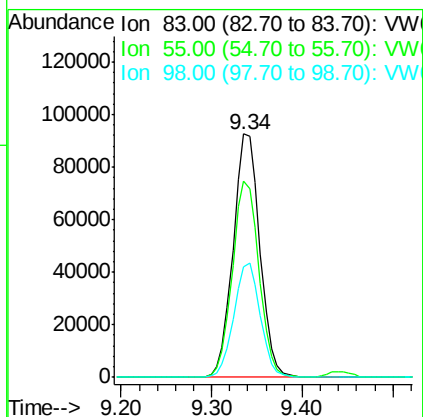
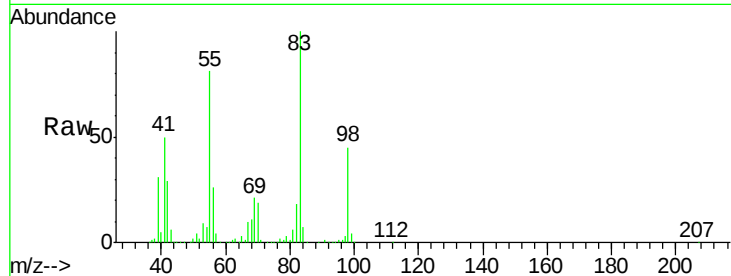




#39
Methvlcvclohexane
Concen: 50.13 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

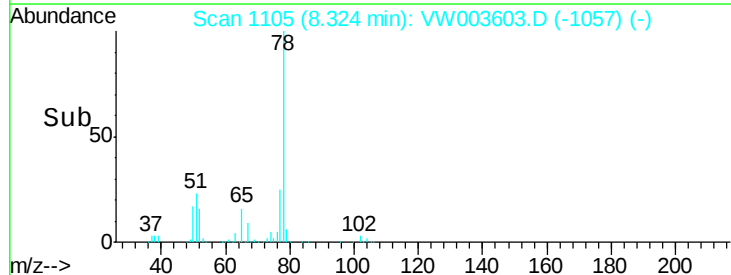
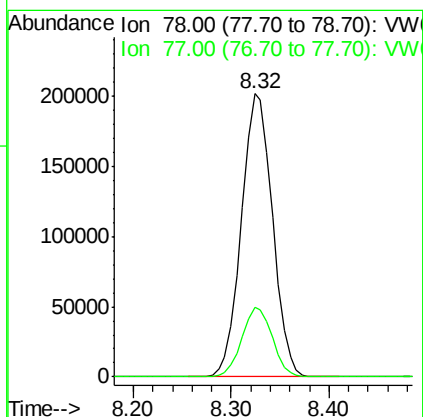
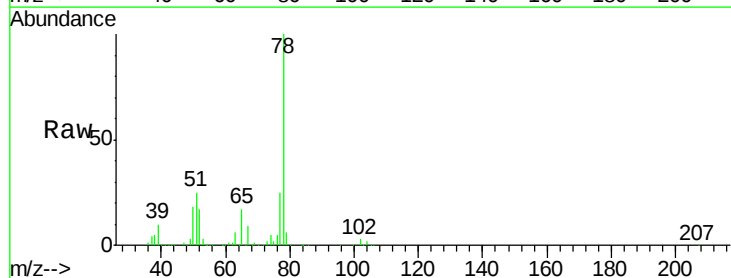
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 189406
Ion Ratio Lower Upper
83 100
55 80.7 62.6 93.8
98 45.3 37.0 55.4



#40
Benzene
Concen: 49.42 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 78 Resp: 444833
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

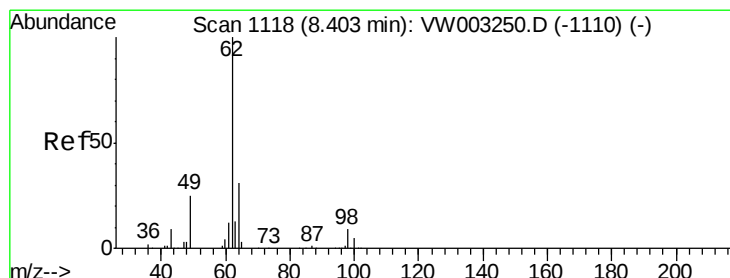
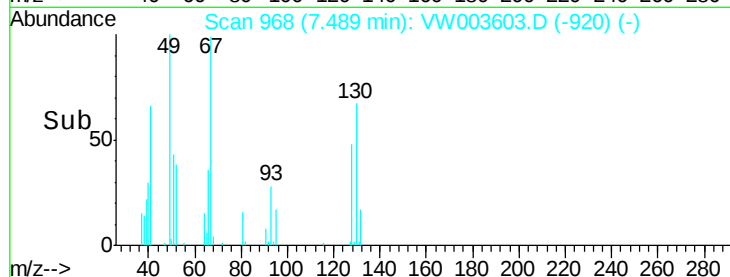
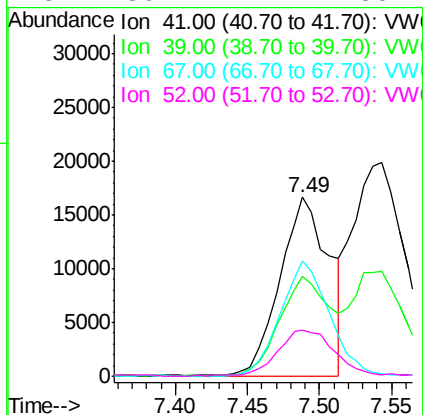
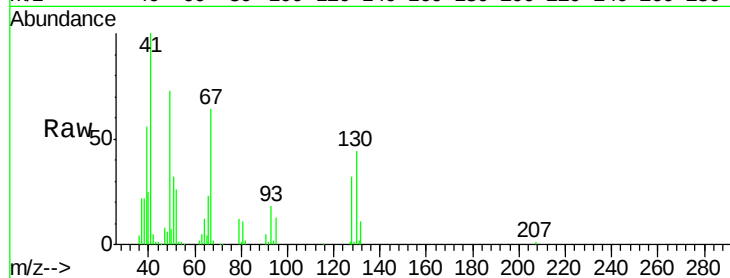




#41
Methacrylonitrile
Concen: 47.45 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

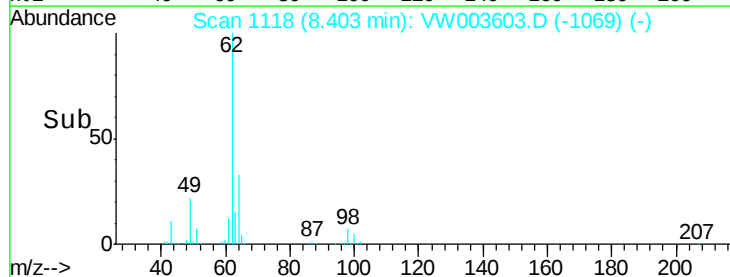
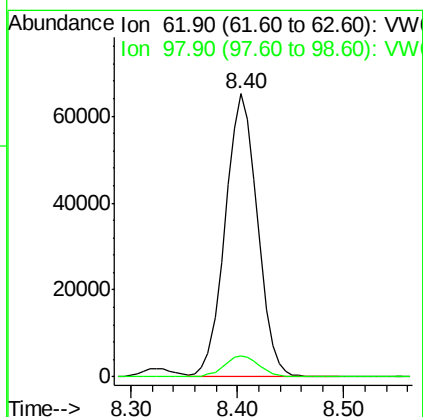
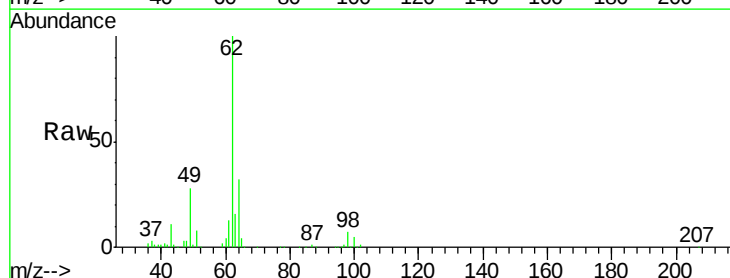
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	39395
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.8	68.8
67	65.1	52.3	78.5
52	30.1	24.1	36.1



#42
1,2-Dichloroethane
Concen: 49.05 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion:	62	Resp:	138323
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2

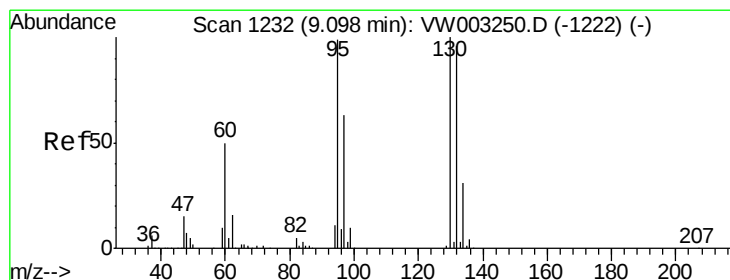
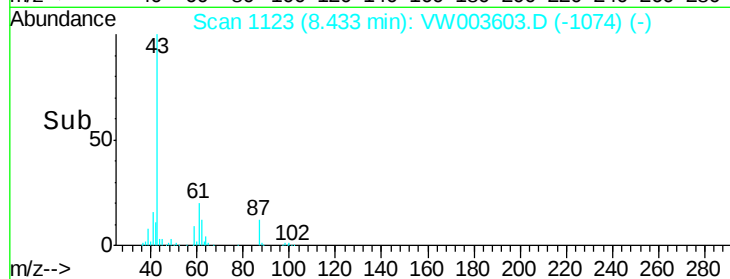
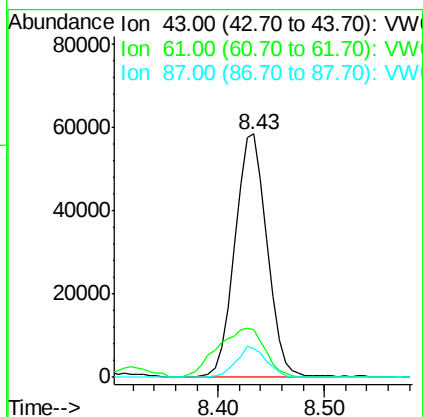
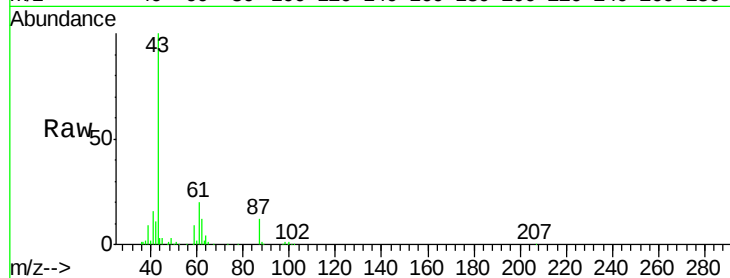




#43
Isopropyl Acetate
Concen: 46.00 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

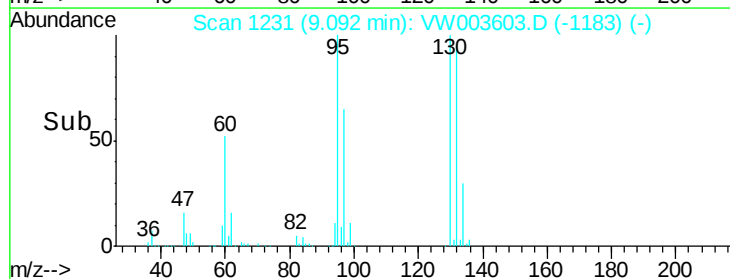
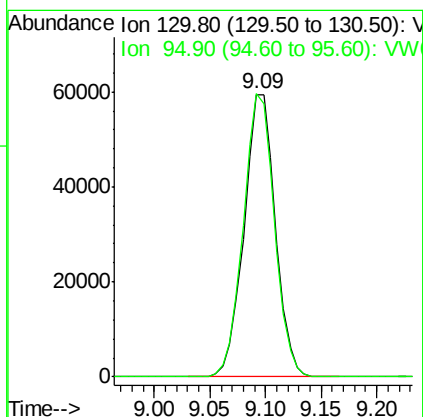
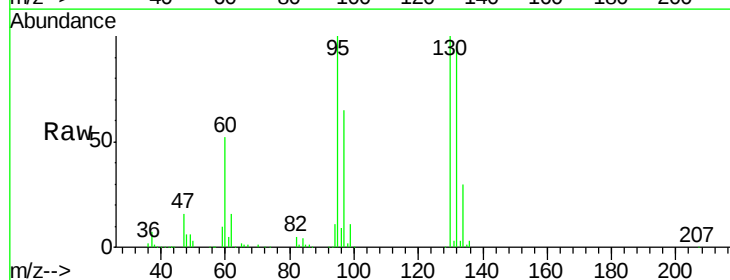
Instrument :
MSVOA_W
ClientSampleId :

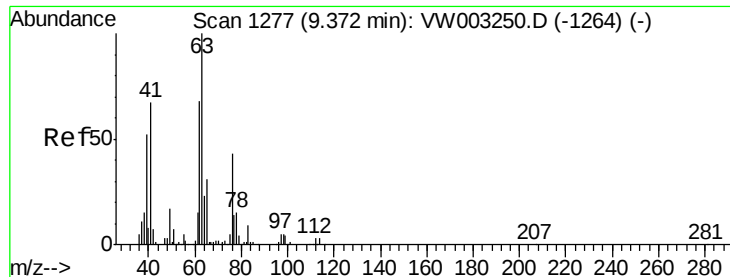
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.1	34.7
87	12.1	9.8	14.6



#44
Trichloroethene
Concen: 48.71 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	198.0

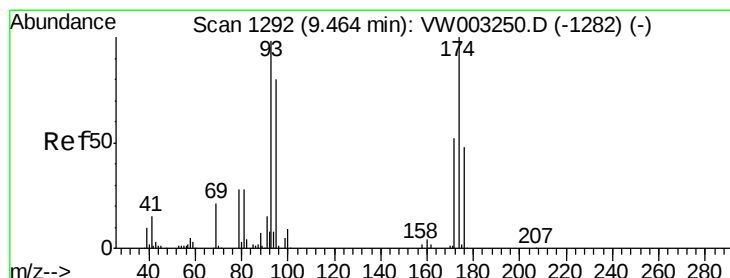
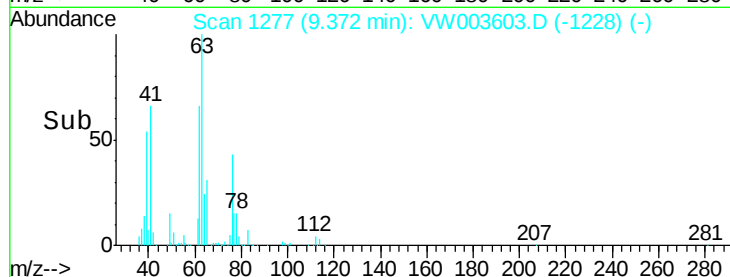
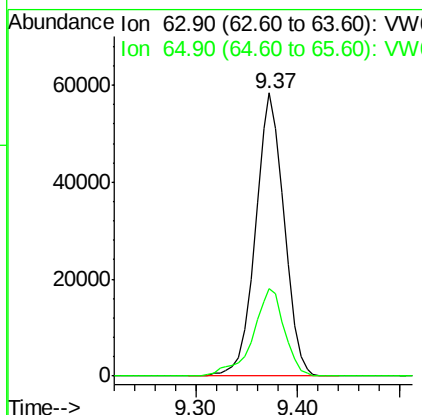
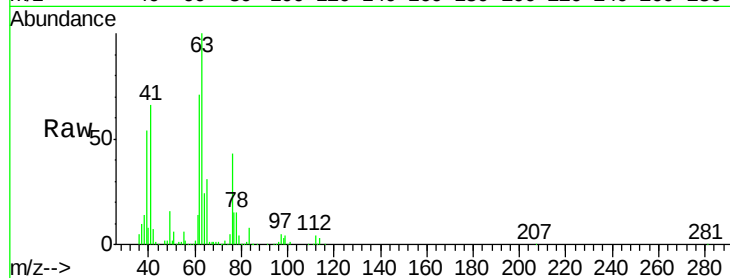




#45
 1,2-Dichloropropane
 Concen: 49.73 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

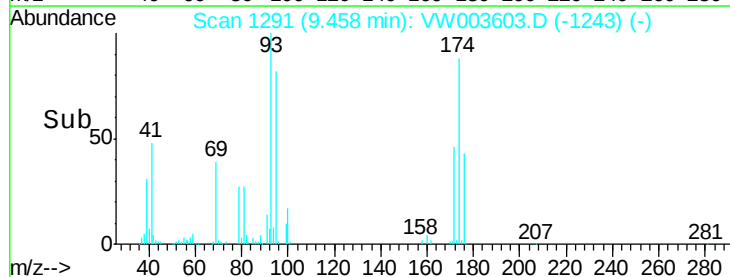
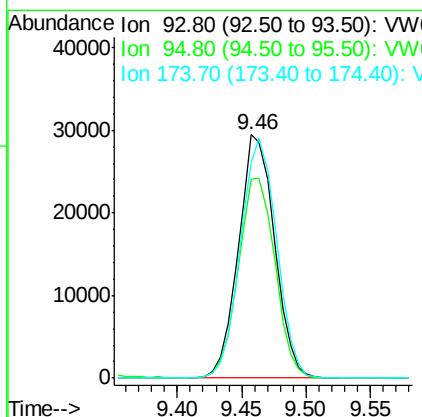
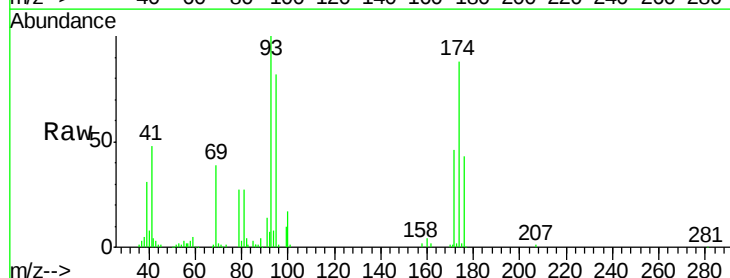
Instrument :
 MSVOA_W
 ClientSampleId :

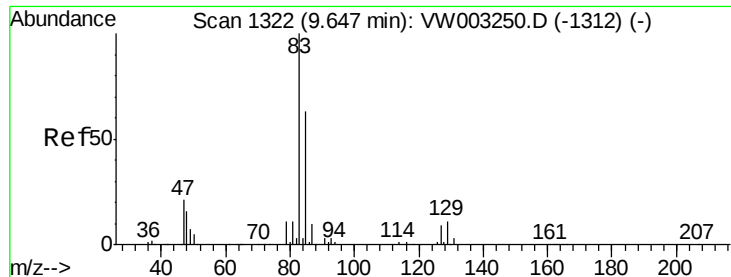
Tot Ion: 63 Resp: 113984
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7



#46
 Dibromomethane
 Concen: 48.58 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion: 93 Resp: 57002
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.8 98.8
 174 99.0 81.4 122.0





#47

Bromodichloromethane

Concen: 50.23 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

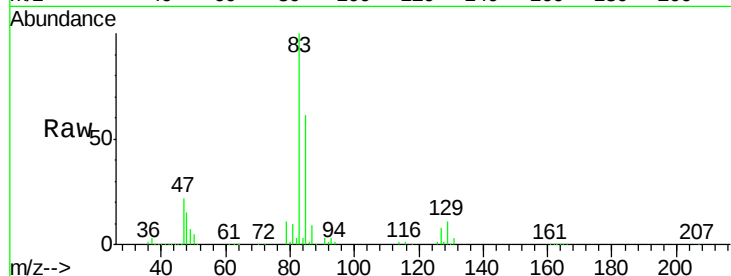
Tot Ion: 83 Resp: 151077

Ion Ratio Lower Upper

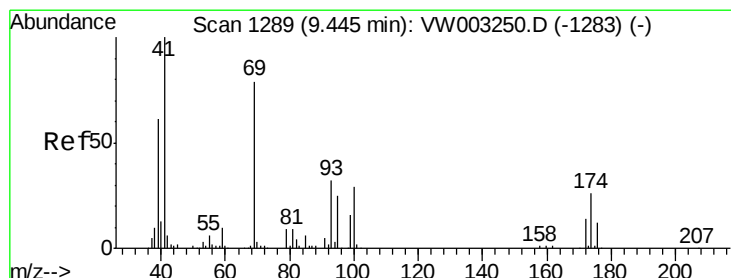
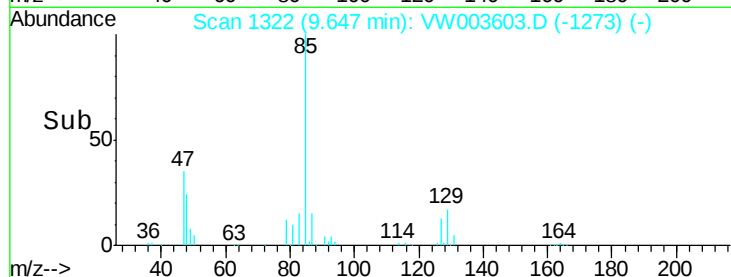
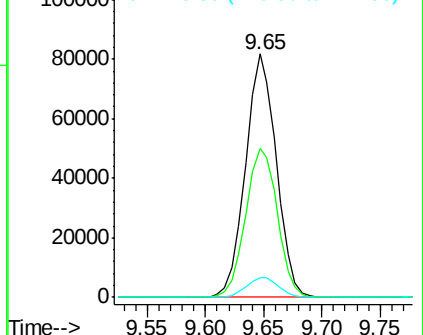
83 100

85 61.4 50.6 75.8

127 8.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.56 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

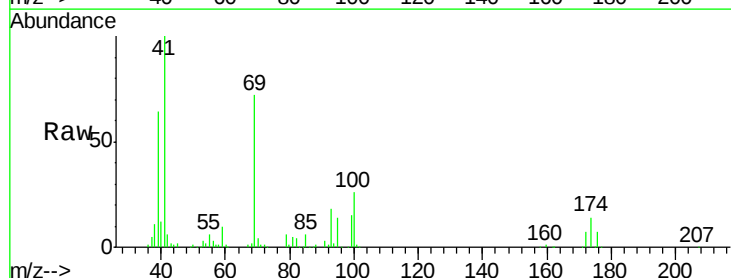
Tgt Ion: 41 Resp: 60036

Ion Ratio Lower Upper

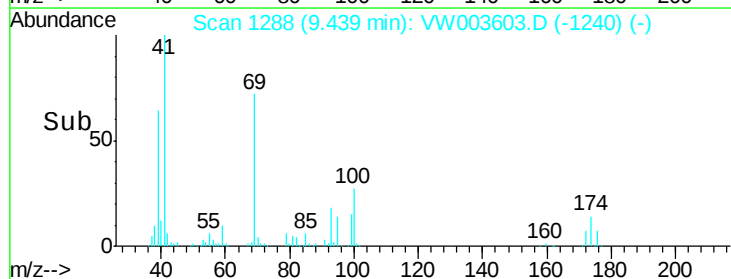
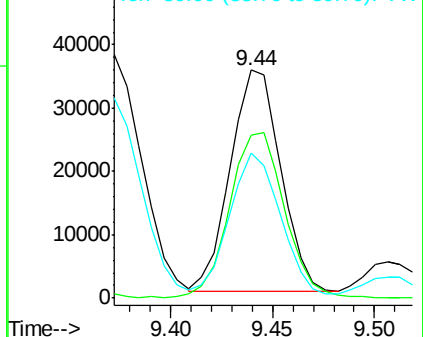
41 100

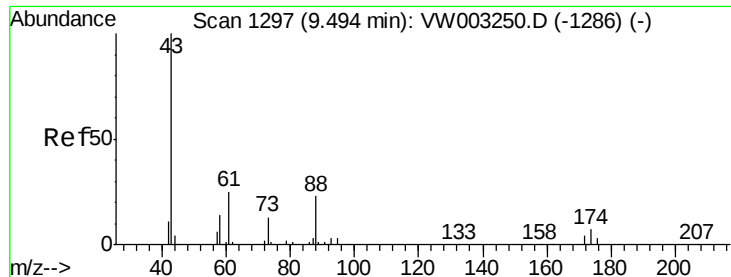
69 80.9 65.4 98.2

39 67.1 54.2 81.2



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





#49

1,4-Dioxane

Concen: 895.94 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

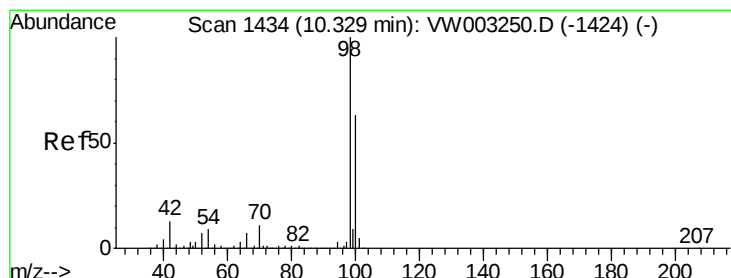
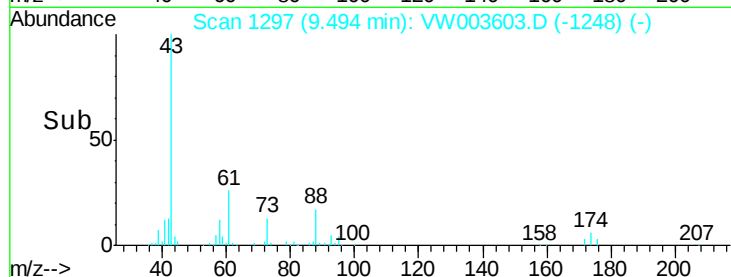
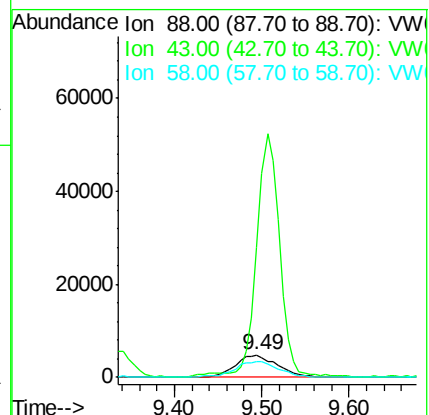
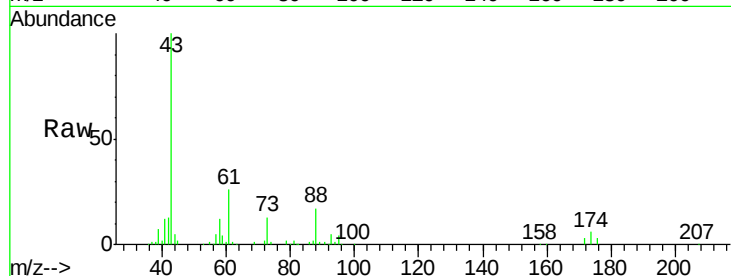
Tot Ion: 88 Resp: 15873

Ion Ratio Lower Upper

88 100

43 592.9 454.7 682.1

58 75.6 58.6 88.0



#50

Toluene-d8

Concen: 52.93 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003603.D

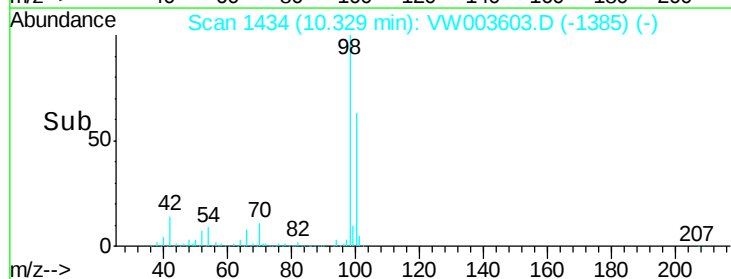
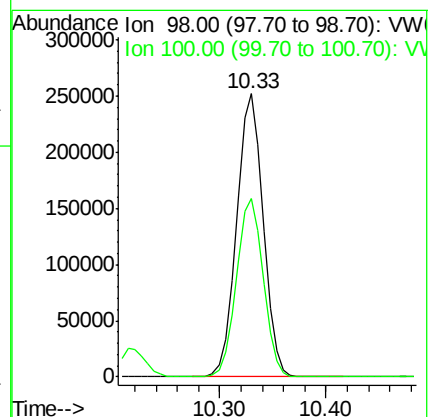
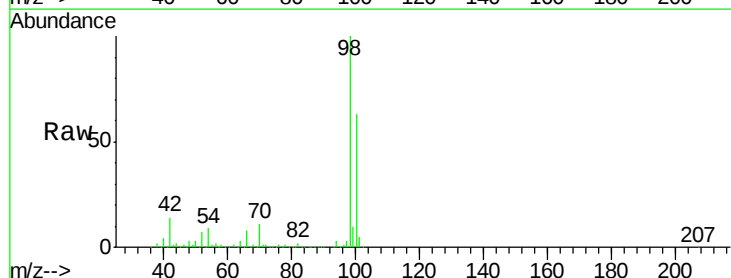
Acq: 27 Jun 2018 10:24

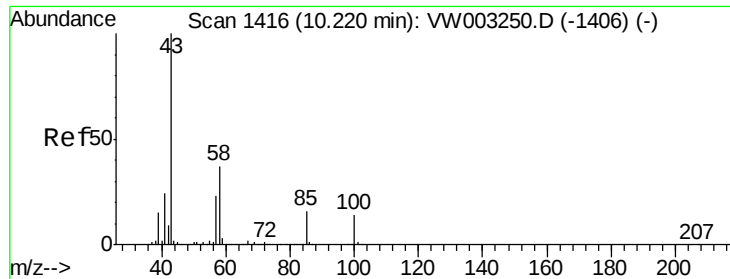
Tgt Ion: 98 Resp: 440945

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 242.99 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

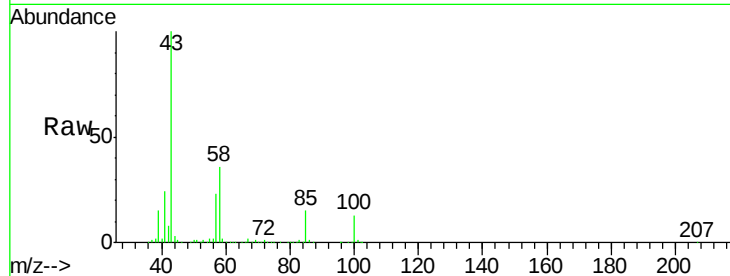
ClientSampled :

Tot Ion: 43 Resp: 332601

Ion Ratio Lower Upper

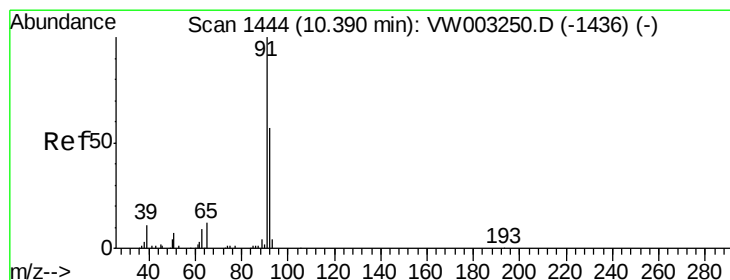
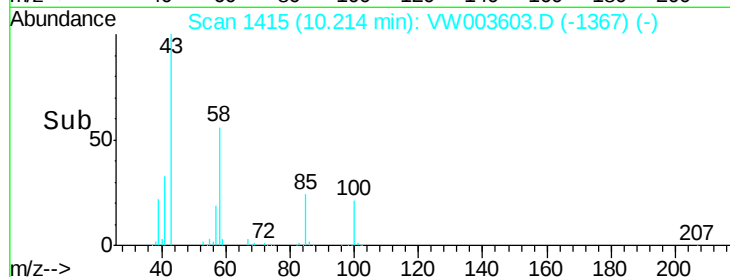
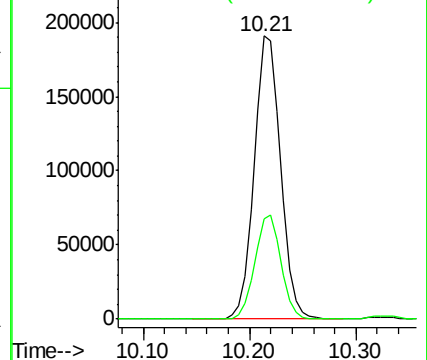
43 100

58 36.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.83 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003603.D

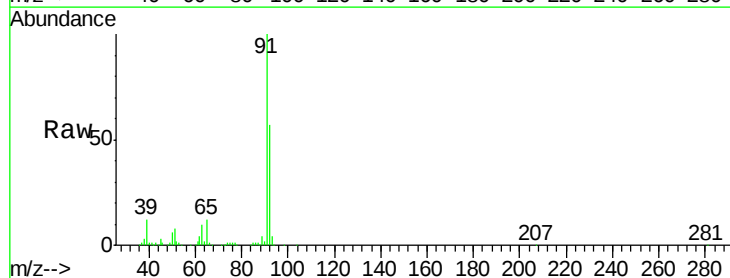
Acq: 27 Jun 2018 10:24

Tgt Ion: 92 Resp: 287615

Ion Ratio Lower Upper

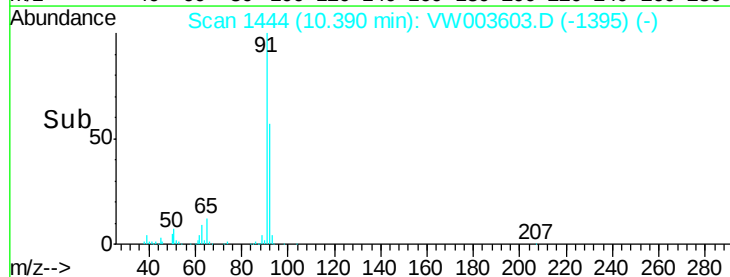
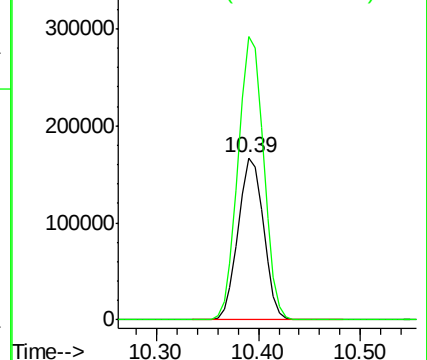
92 100

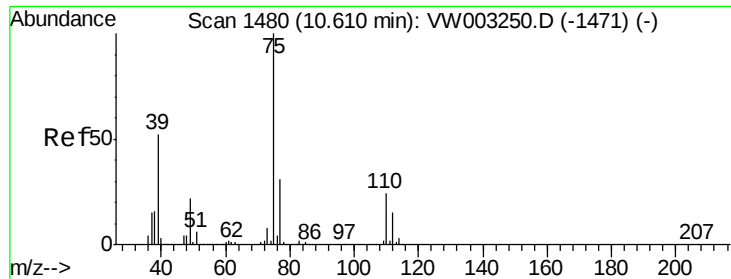
91 175.8 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 48.52 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

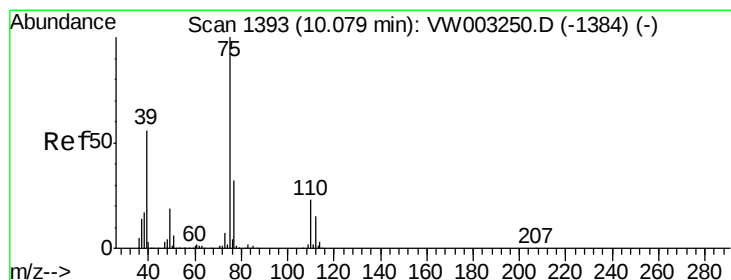
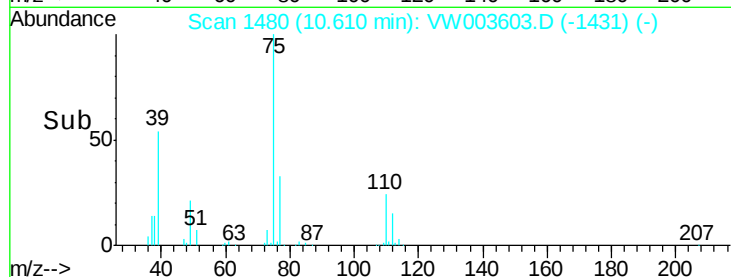
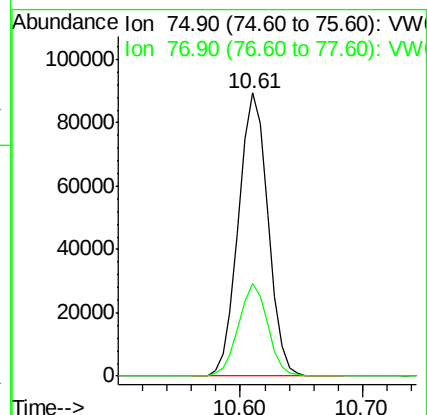
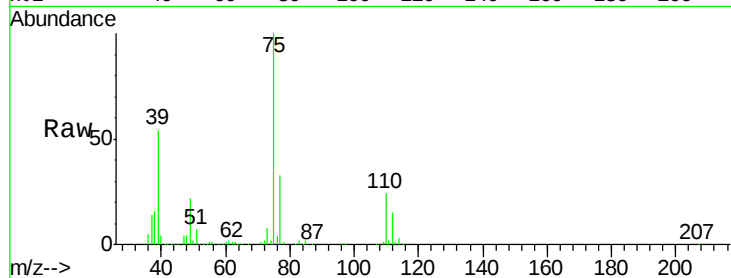
ClientSampled :

Tot Ion: 75 Resp: 149080

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 49.57 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

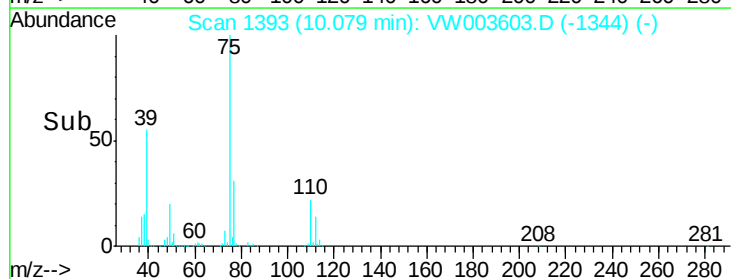
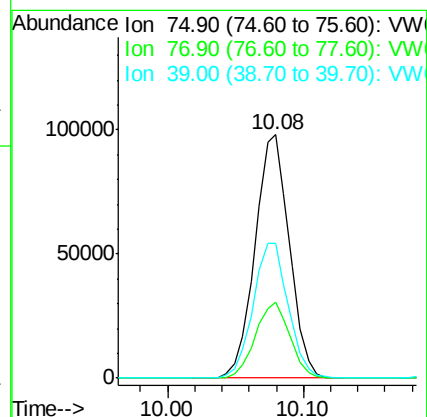
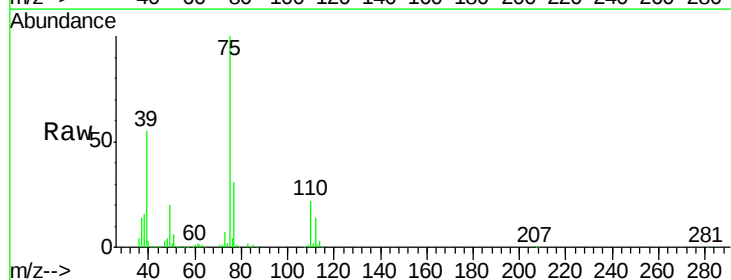
Tgt Ion: 75 Resp: 173344

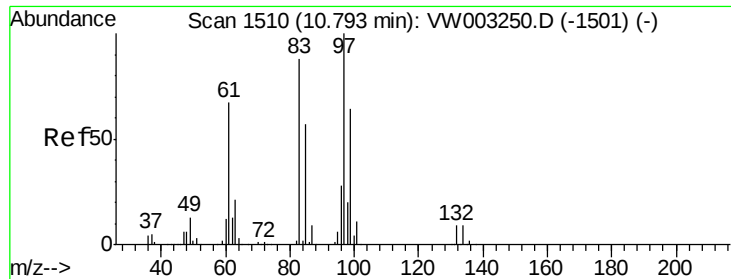
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 55.2 45.2 67.8

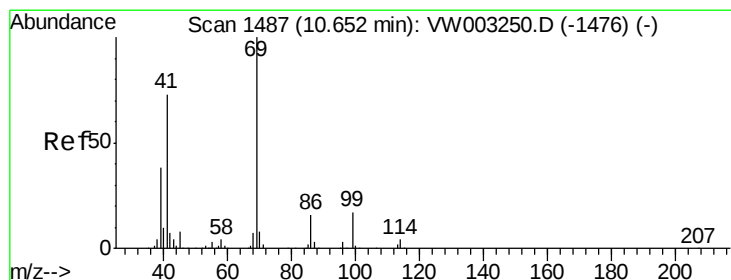
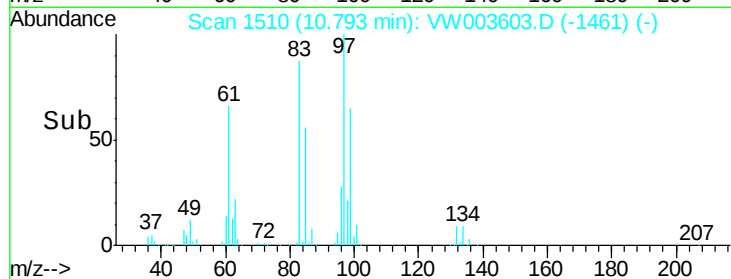
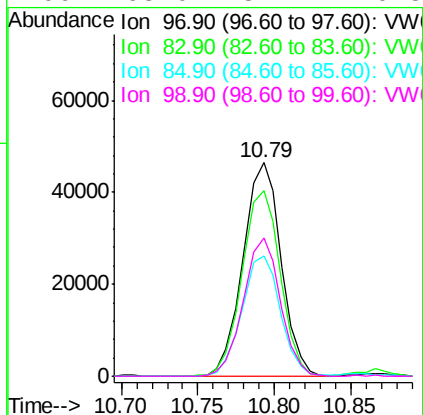
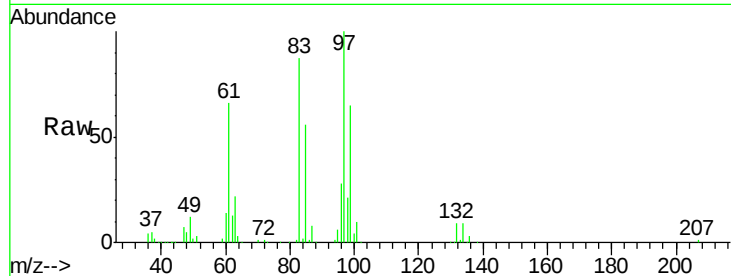




#55
 1,1,2-Trichloroethane
 Concen: 48.68 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

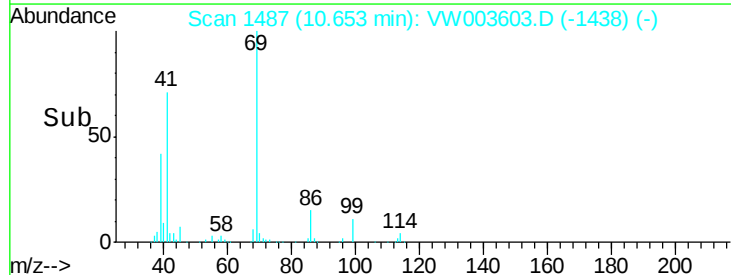
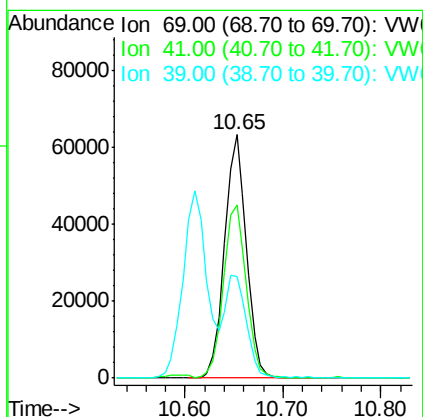
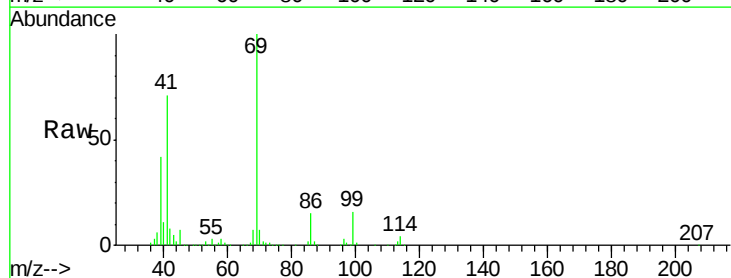
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	80487
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.2
85	56.1	45.6	68.4
99	65.0	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 48.79 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion:	69	Resp:	97969
Ion	Ratio	Lower	Upper
69	100		
41	73.4	57.8	86.6
39	40.2	32.7	49.1





#57

1,3-Dichloropropane

Concen: 49.18 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

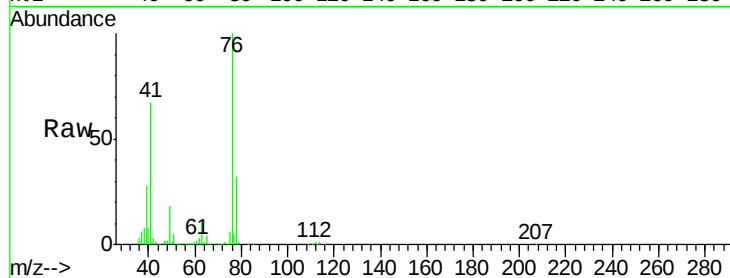
ClientSampled :

Tot Ion: 76 Resp: 140238

Ion Ratio Lower Upper

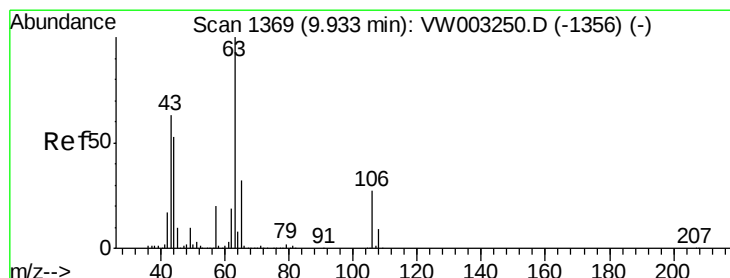
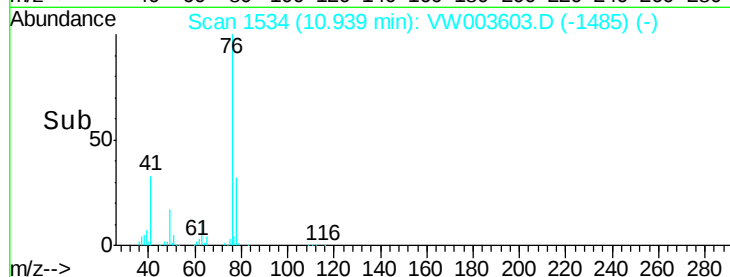
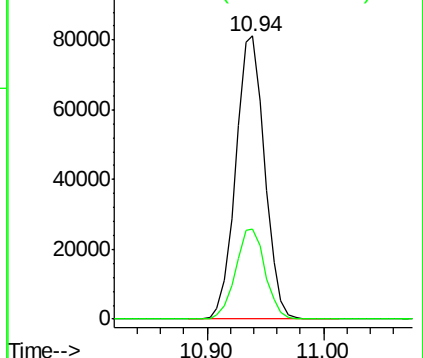
76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 242.22 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW003603.D

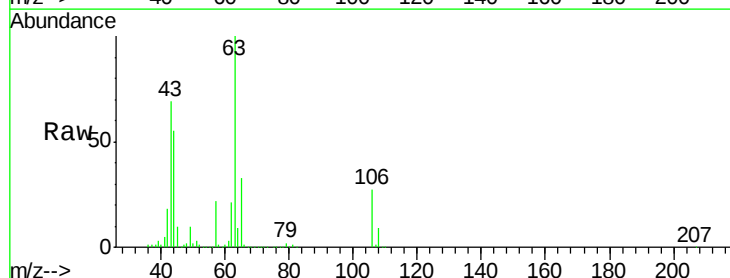
Acq: 27 Jun 2018 10:24

Tgt Ion: 63 Resp: 218017

Ion Ratio Lower Upper

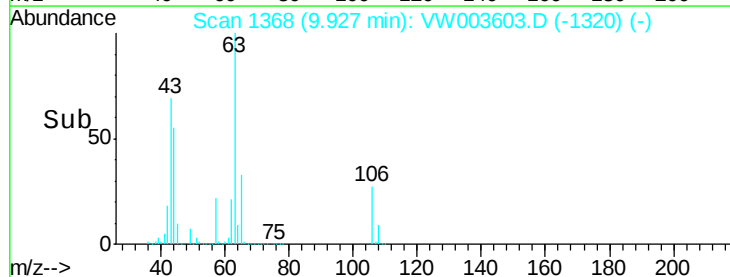
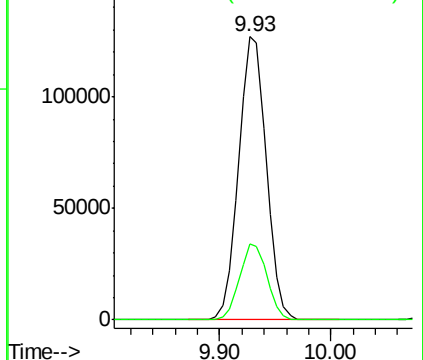
63 100

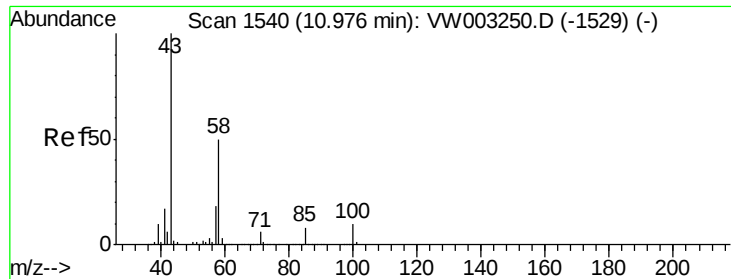
106 26.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

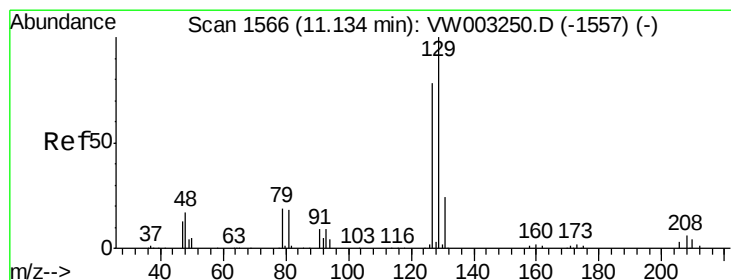
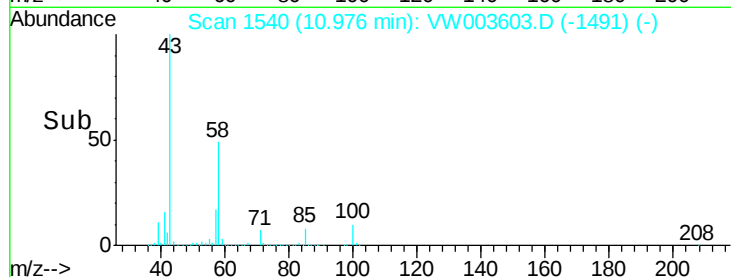
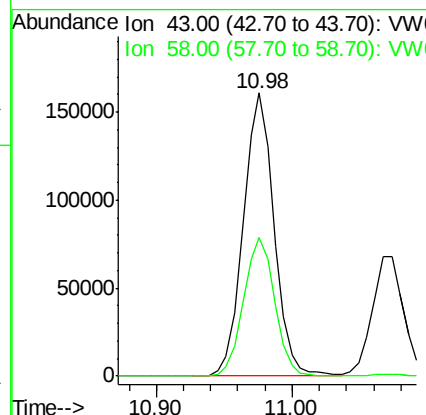
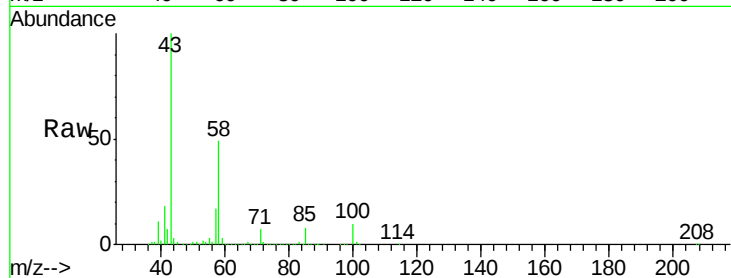




#59
2-Hexanone
Concen: 265.35 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

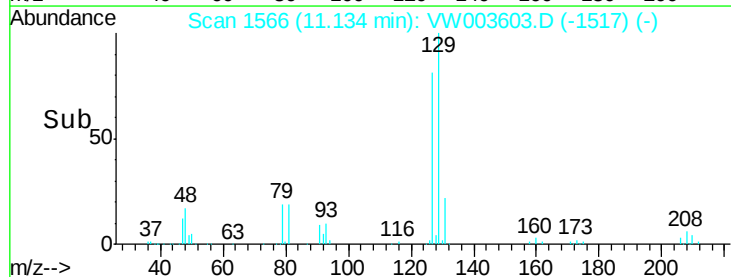
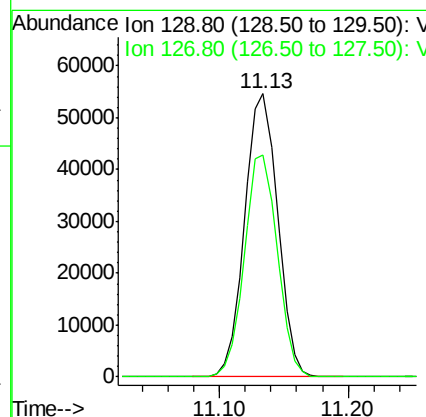
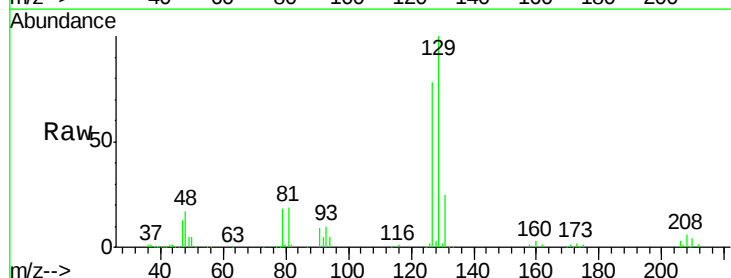
Instrument :
MSVOA_W
ClientSampleId :

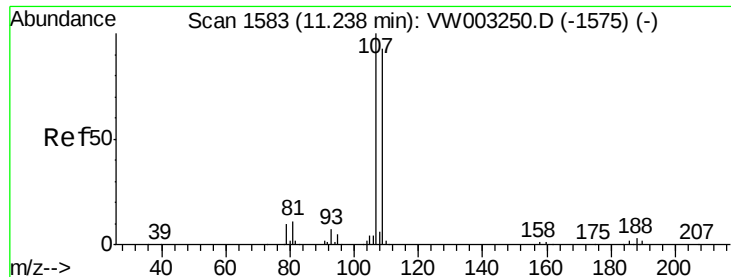
Tot Ion: 43 Resp: 253729
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0



#60
Dibromochloromethane
Concen: 49.24 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 129 Resp: 96816
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.5

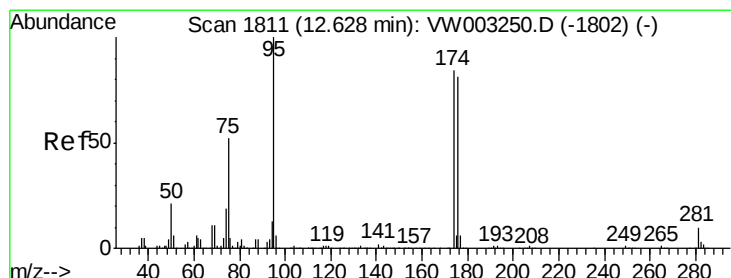
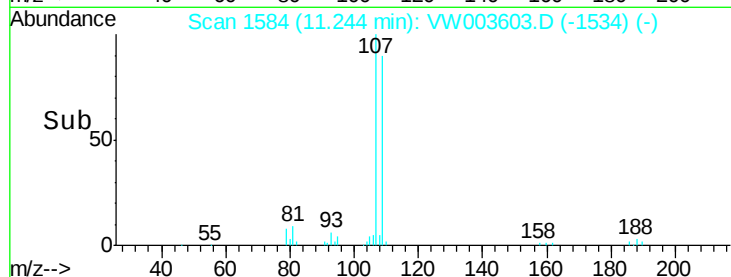
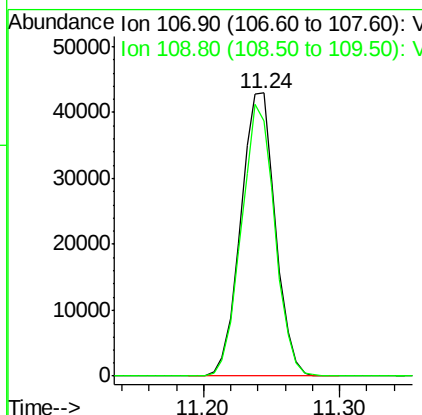
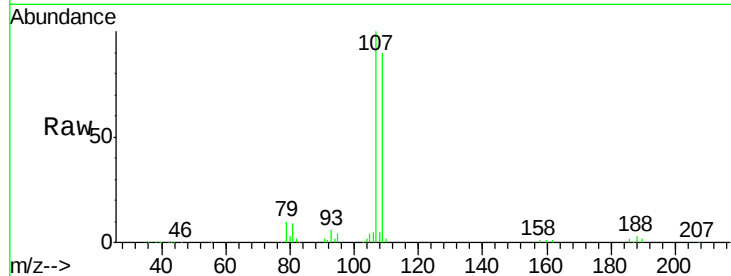




#61
 1,2-Dibromoethane
 Concen: 48.79 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

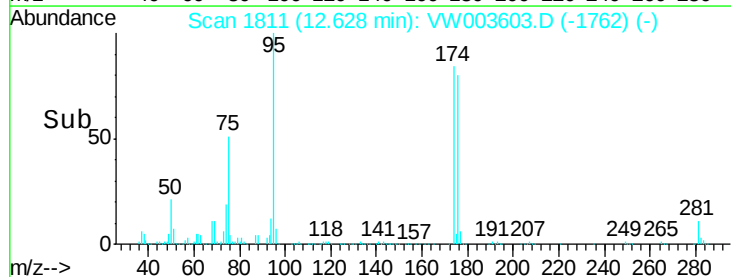
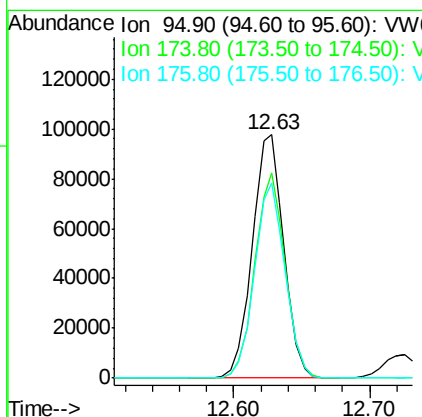
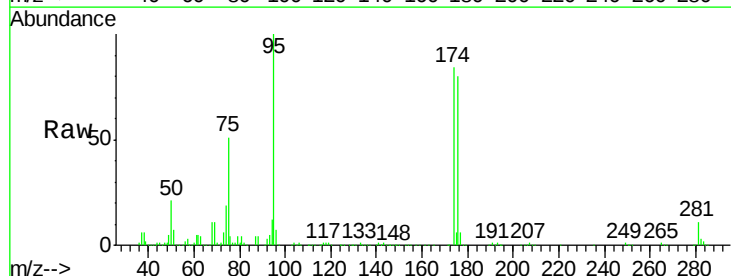
Instrument :
 MSVOA_W
 ClientSampled :

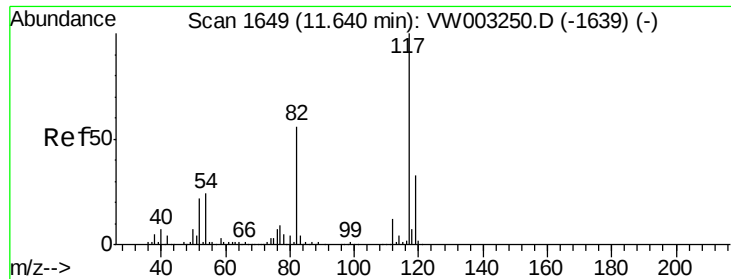
Tot Ion: 107 Resp: 76306
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 53.55 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion: 95 Resp: 157898
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 166.4
 176 78.3 0.0 162.0

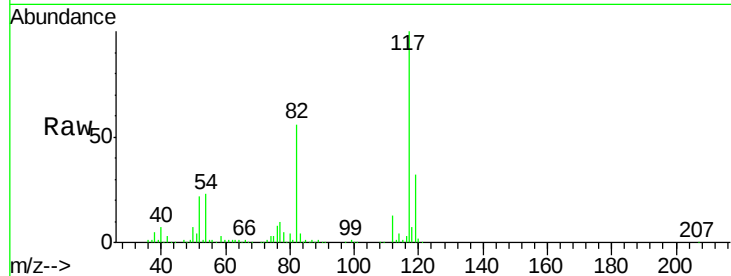




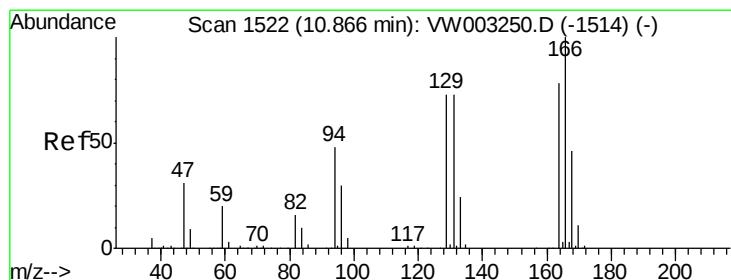
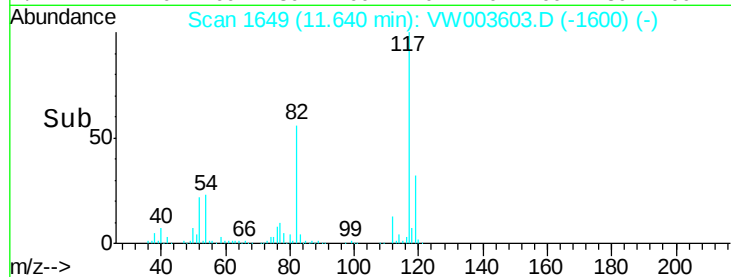
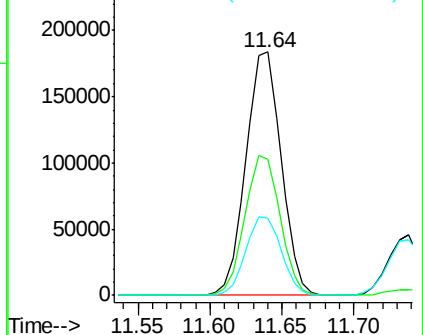
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 311593
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.7 26.7 40.1

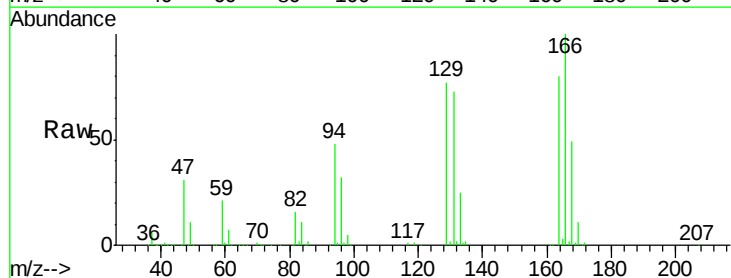


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

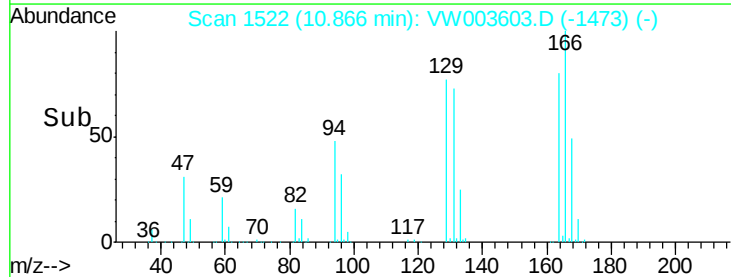
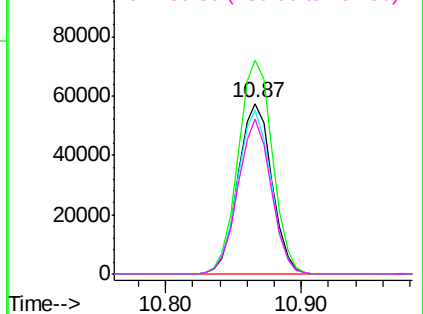


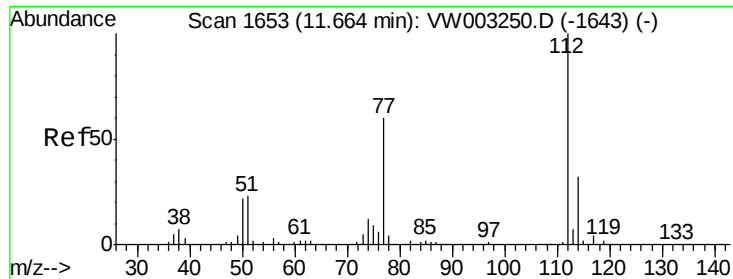
#64
Tetrachloroethene
Concen: 47.78 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion:164 Resp: 99573
Ion Ratio Lower Upper
164 100
166 125.2 102.6 154.0
129 96.4 75.2 112.8
131 91.1 75.0 112.4



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

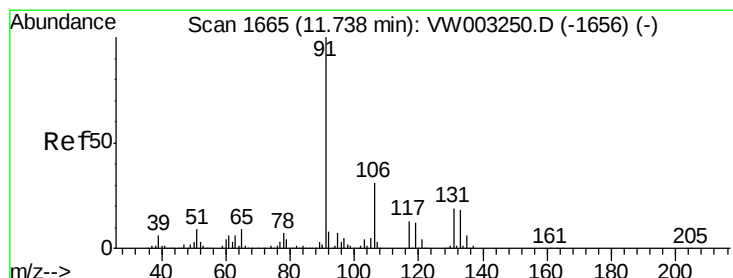
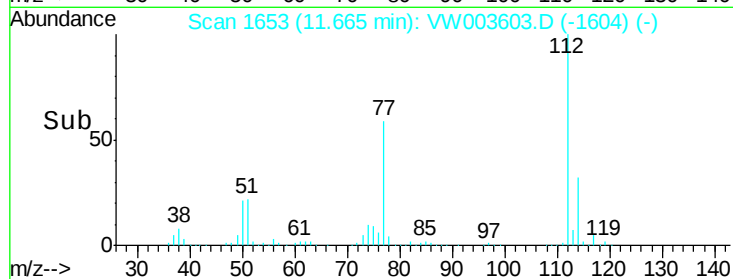
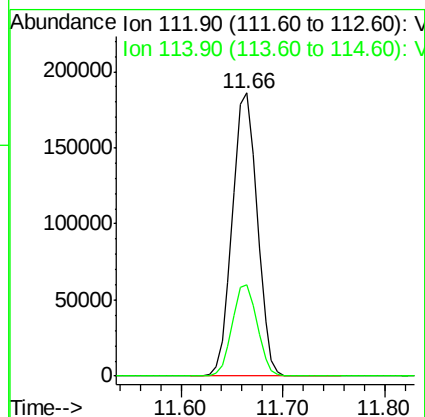
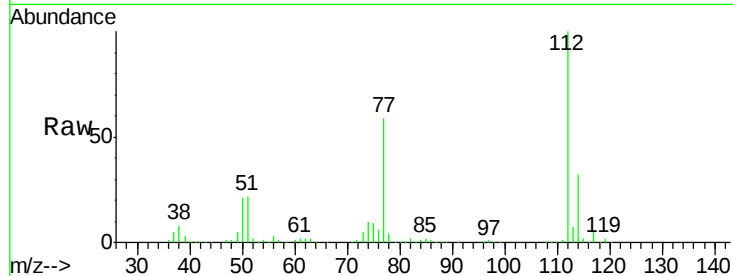




#65
Chlorobenzene
Concen: 48.39 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

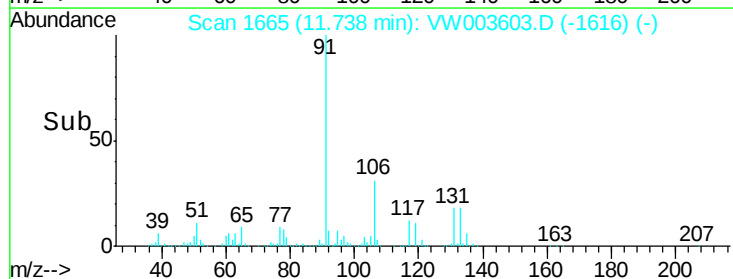
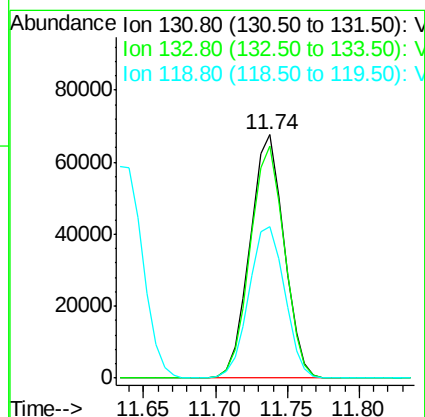
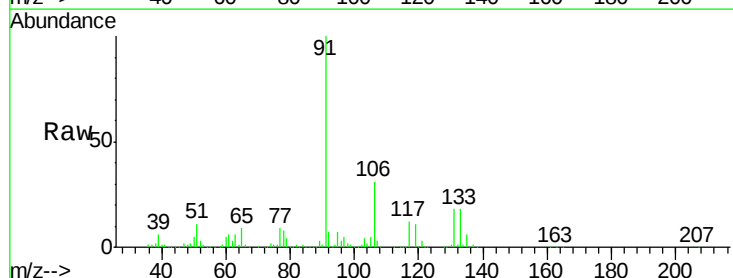
Instrument :
MSVOA_W
ClientSampleId :

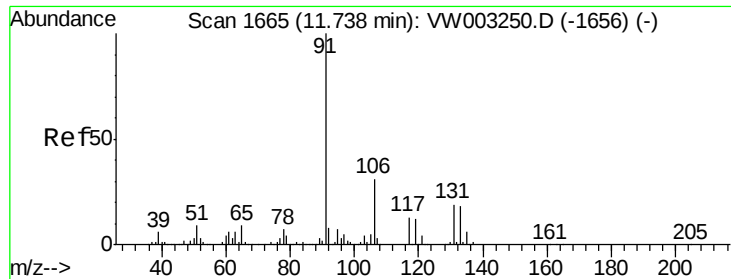
Tot Ion:112 Resp: 314015
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.53 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion:131 Resp: 110652
Ion Ratio Lower Upper
131 100
133 95.5 47.3 142.0
119 65.4 32.5 97.4

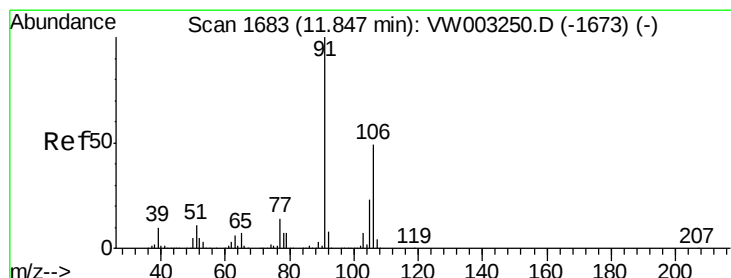
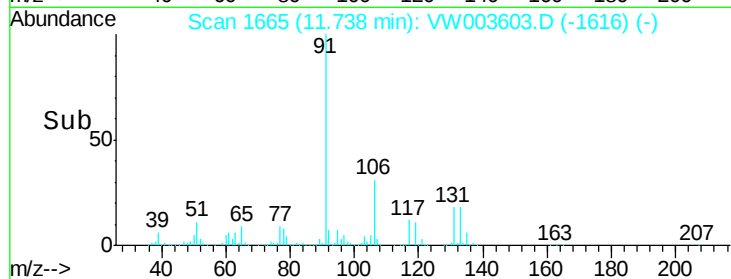
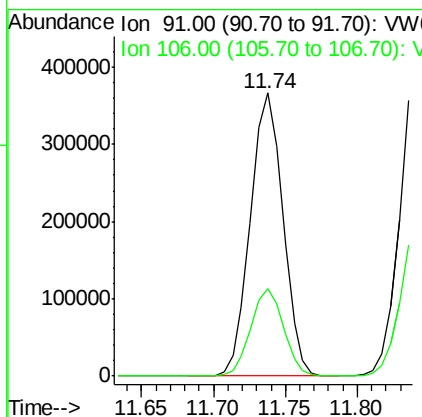
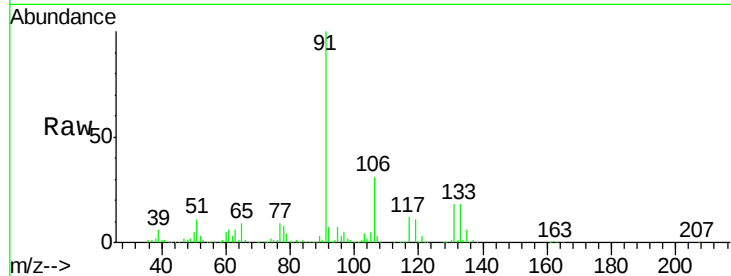




#67
Ethyl Benzene
Concen: 49.97 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

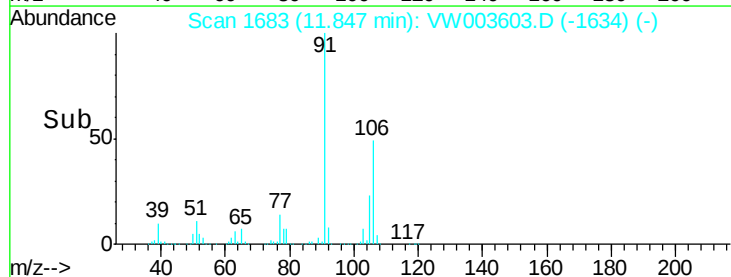
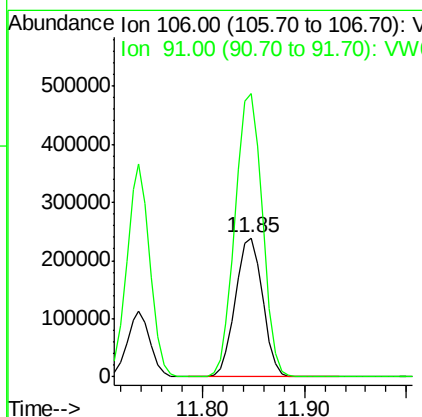
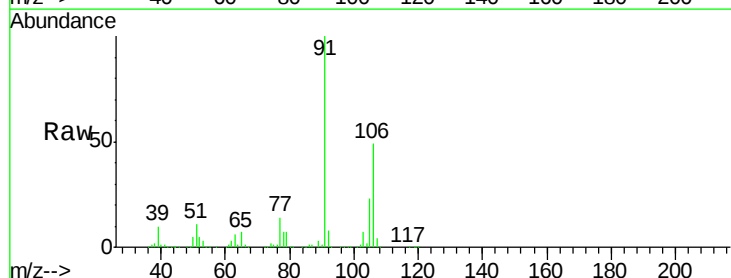
Instrument :
MSVOA_W
ClientSampled :

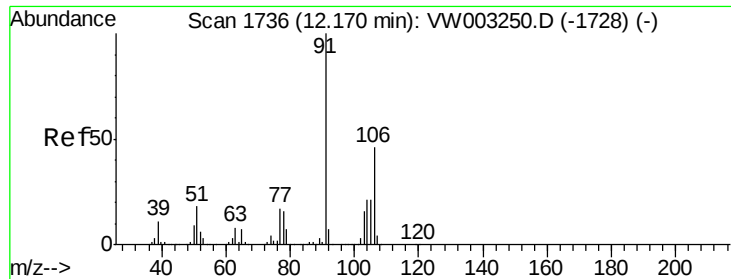
Tot Ion: 91 Resp: 574792
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 100.55 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion: 106 Resp: 439630
Ion Ratio Lower Upper
106 100
91 205.1 165.4 248.0

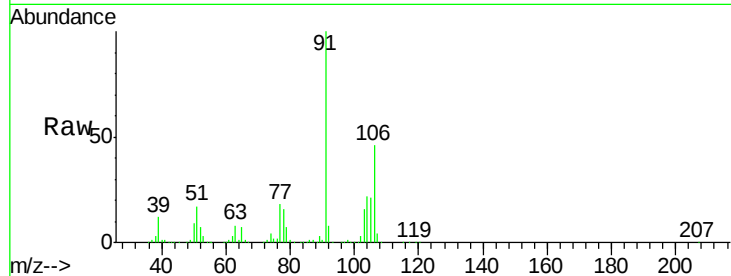




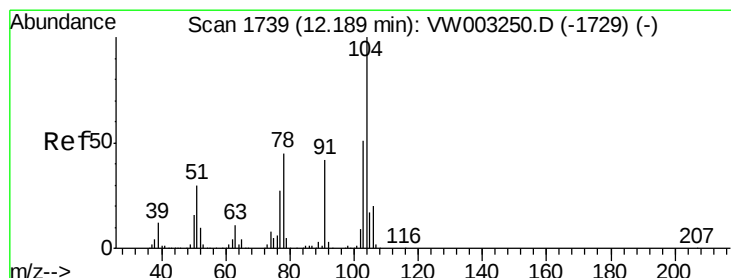
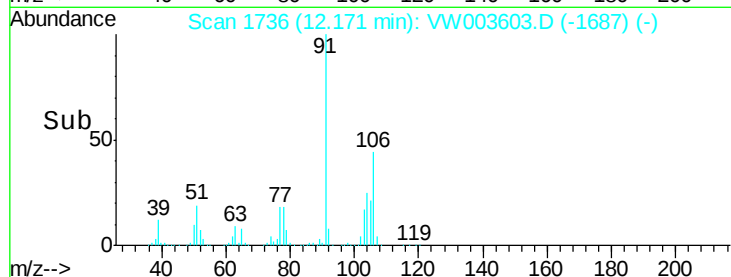
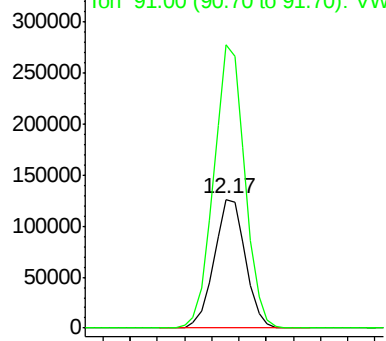
#69
o-Xylene
Concen: 50.06 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 202862
Ion Ratio Lower Upper
106 100
91 217.4 108.6 325.6

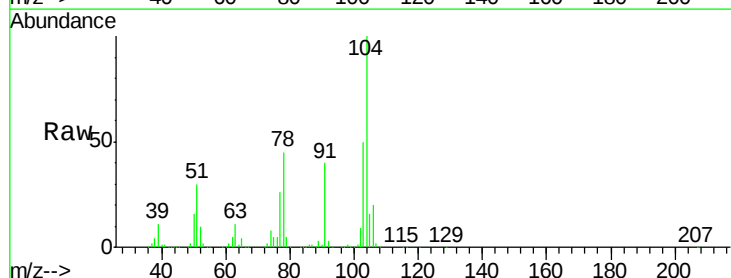


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

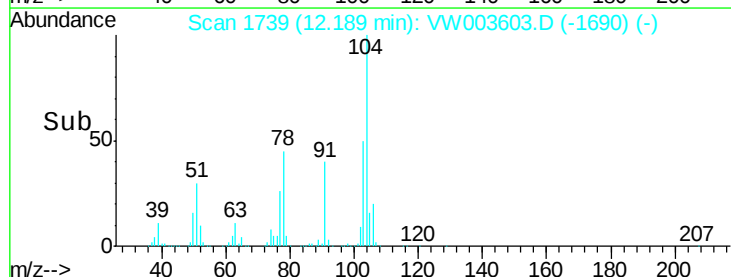
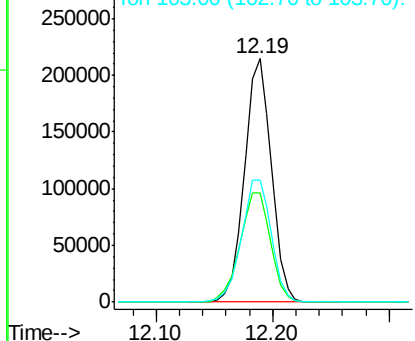


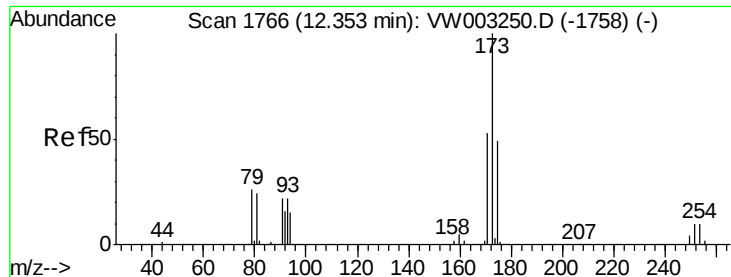
#70
Styrene
Concen: 51.40 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003603.D
Acq: 27 Jun 2018 10:24

Tgt Ion:104 Resp: 346661
Ion Ratio Lower Upper
104 100
78 51.2 41.3 61.9
103 55.7 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.58 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

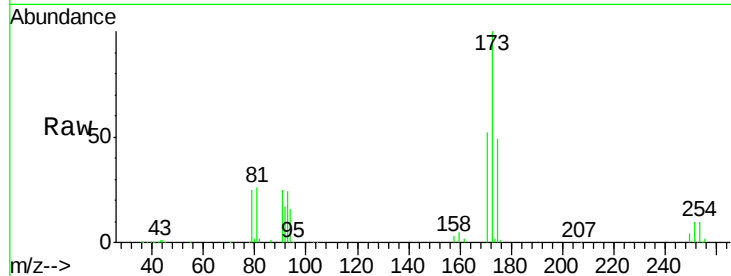
Tot Ion:173 Resp: 56229

Ion Ratio Lower Upper

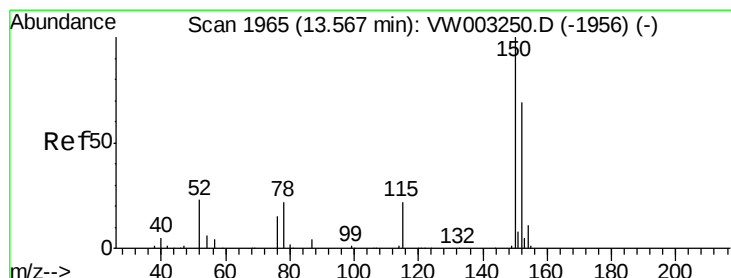
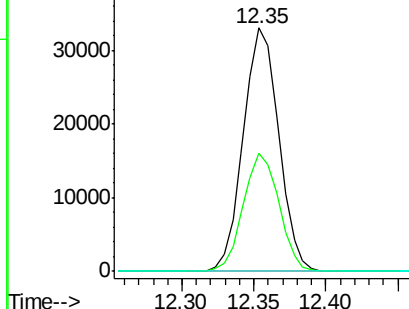
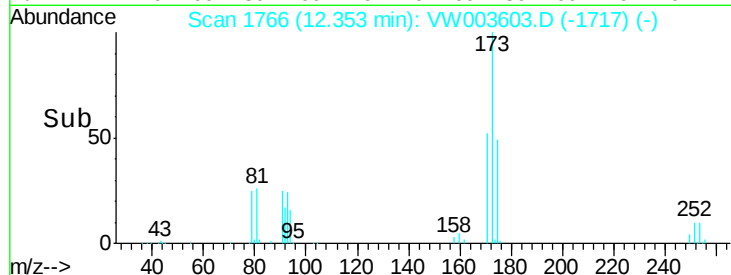
173 100

175 48.7 24.4 73.4

254 0.1 0.1 0.1



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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

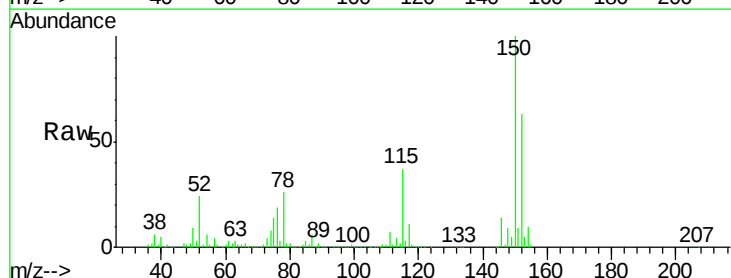
Tgt Ion:152 Resp: 169842

Ion Ratio Lower Upper

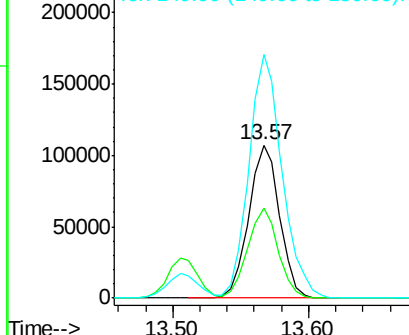
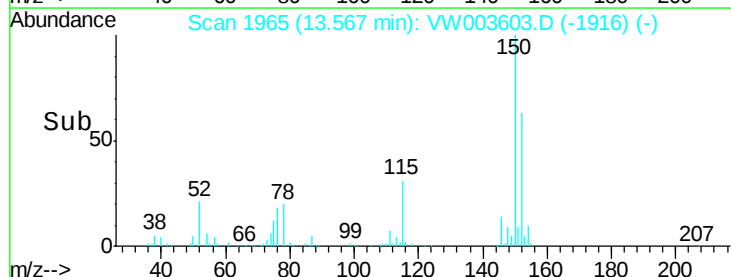
152 100

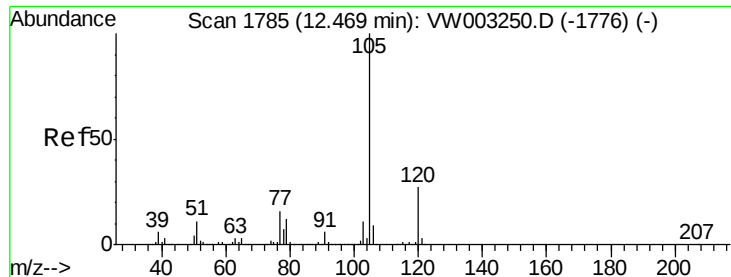
115 58.1 29.3 88.0

150 172.2 0.0 349.6



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: 48.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

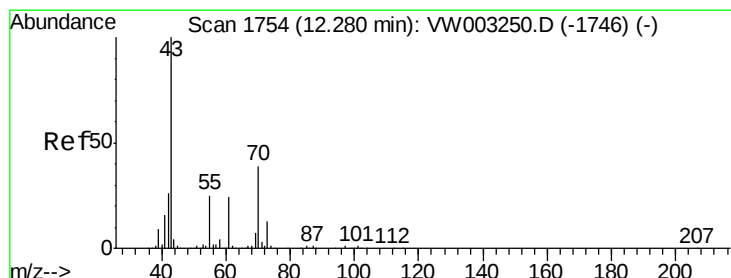
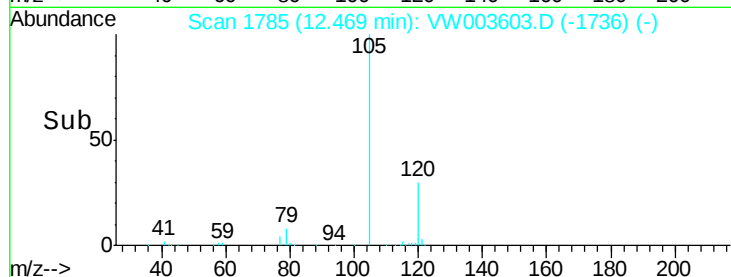
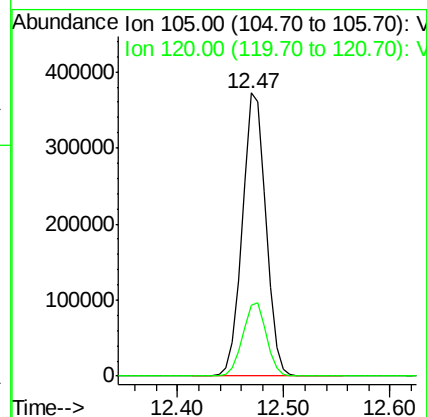
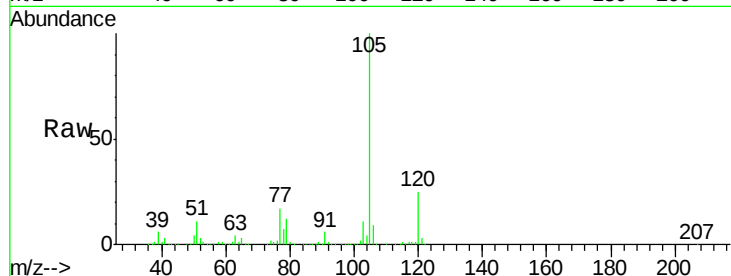
ClientSampleId :

Tot Ion:105 Resp: 578413

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 45.65 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Tgt Ion: 43 Resp: 122736

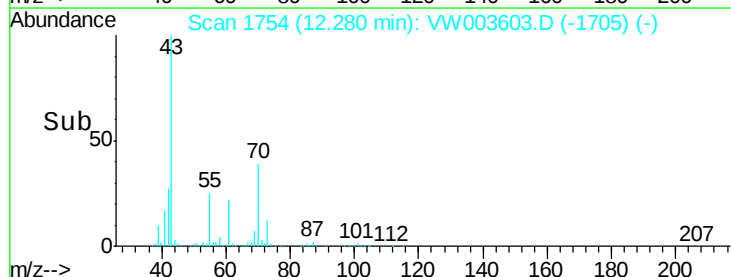
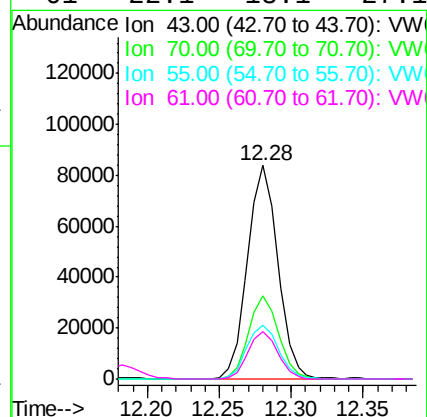
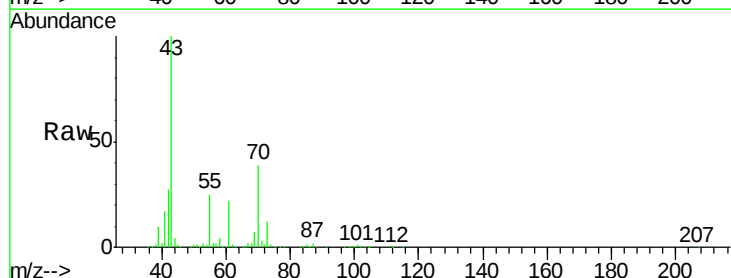
Ion Ratio Lower Upper

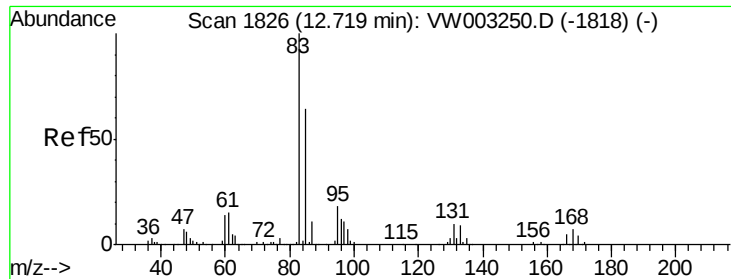
43 100

70 38.7 31.0 46.6

55 26.9 19.7 29.5

61 22.1 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.68 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampled :

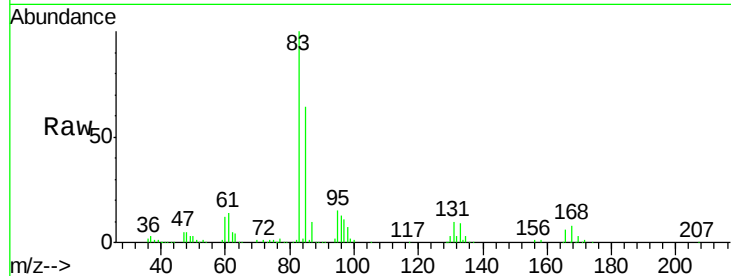
Tot Ion: 83 Resp: 95284

Ion Ratio Lower Upper

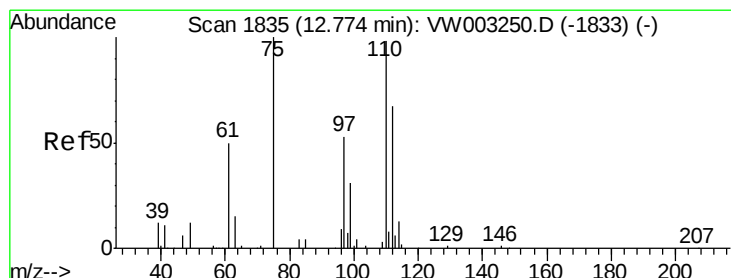
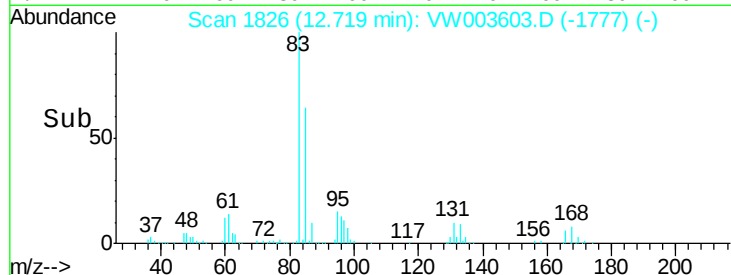
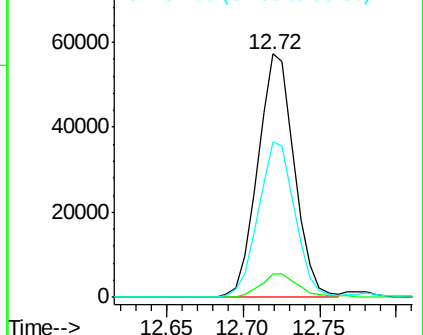
83 100

131 10.2 5.4 16.2

85 63.9 31.9 95.7



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



#76

1,2,3-Trichloropropane

Concen: 88.17 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003603.D

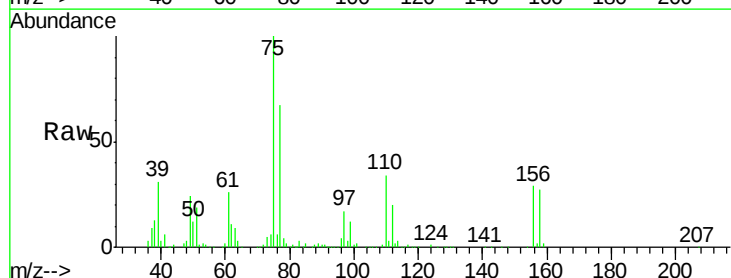
Acq: 27 Jun 2018 10:24

Tgt Ion: 75 Resp: 128013

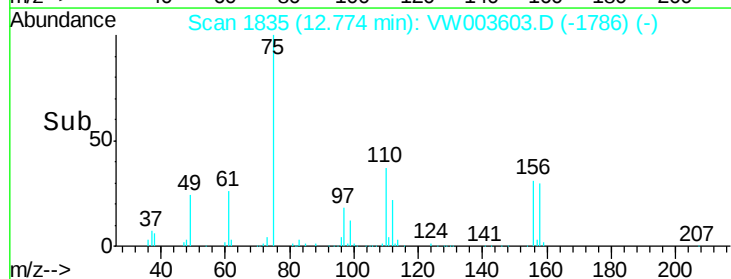
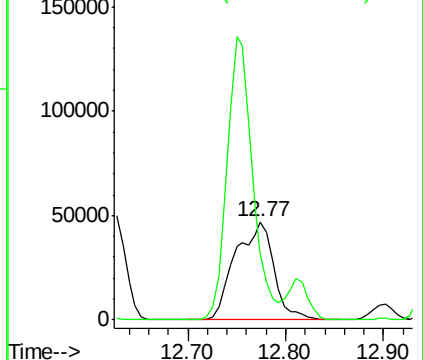
Ion Ratio Lower Upper

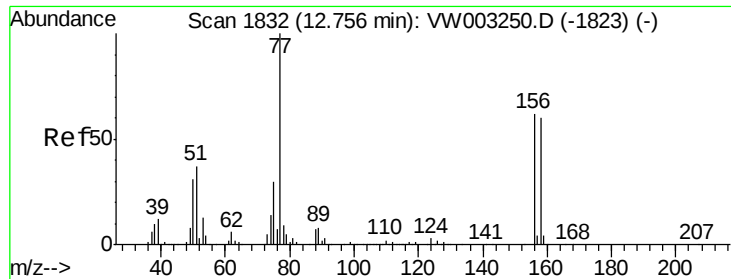
75 100

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: 47.04 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

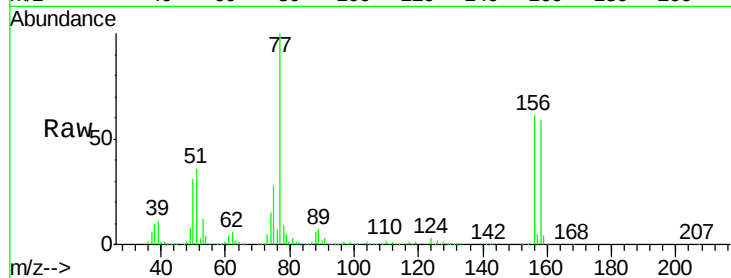
Tot Ion:156 Resp: 129411

Ion Ratio Lower Upper

156 100

77 189.8 92.3 276.9

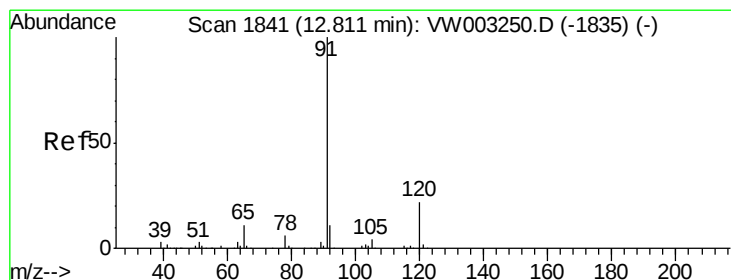
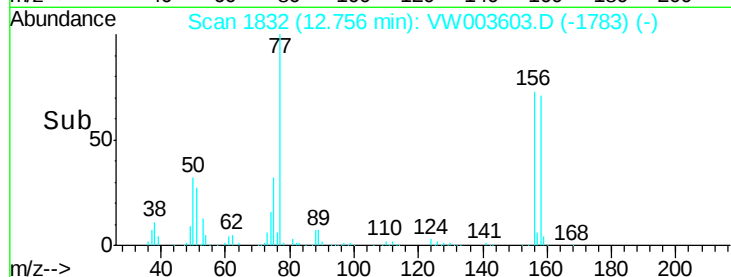
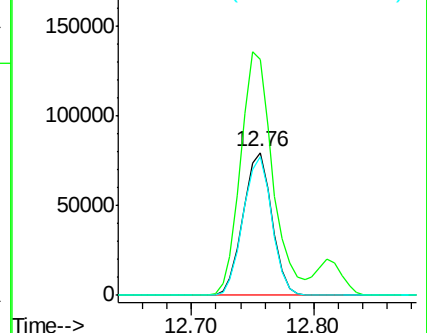
158 97.3 47.5 142.6



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: 49.92 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003603.D

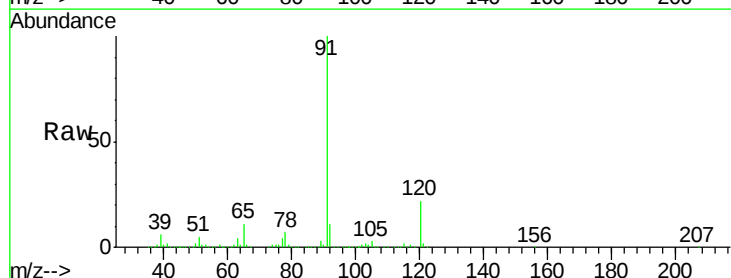
Acq: 27 Jun 2018 10:24

Tgt Ion: 91 Resp: 722133

Ion Ratio Lower Upper

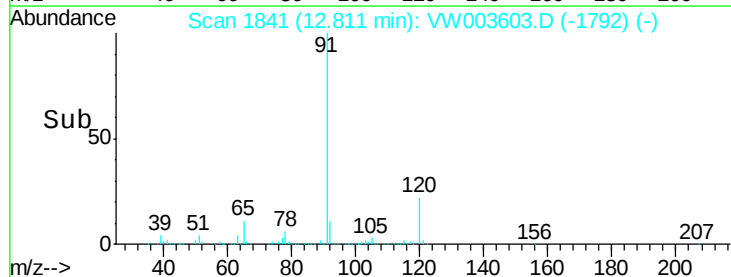
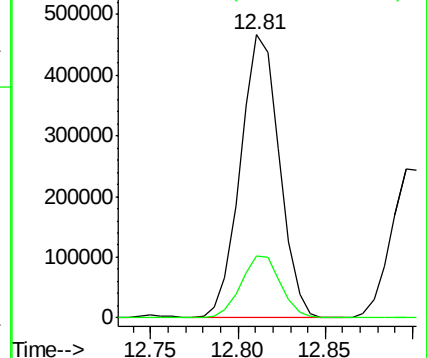
91 100

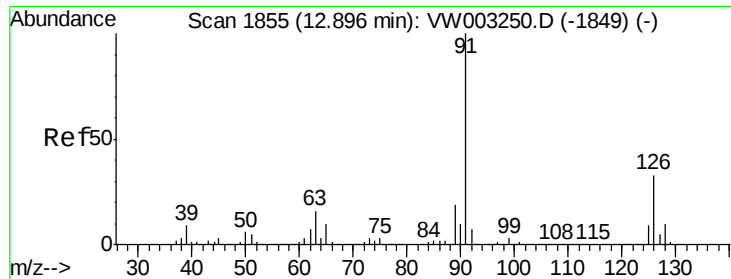
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

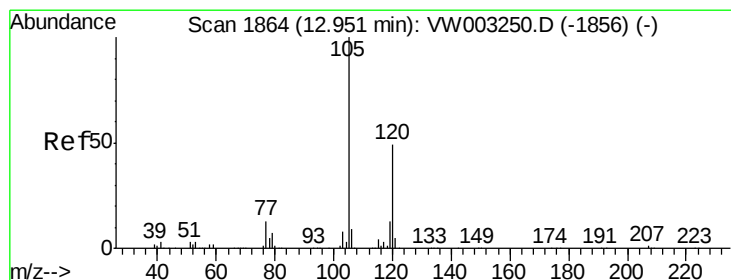
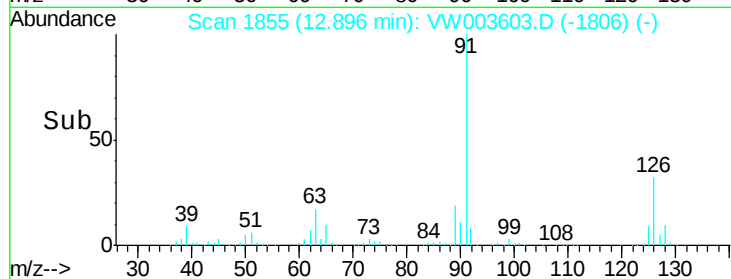
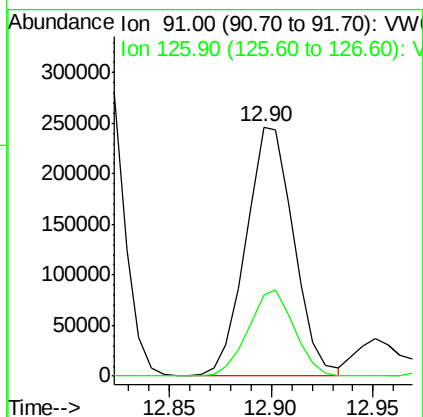
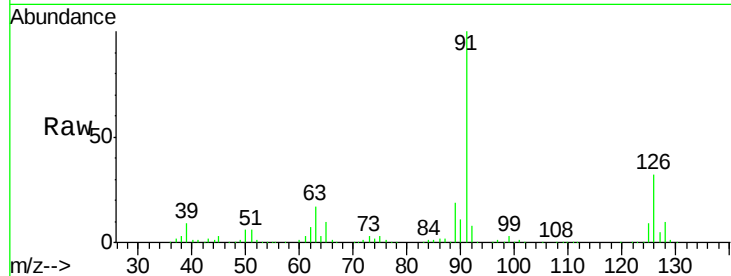




#79
 2-Chlorotoluene
 Concen: 49.09 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

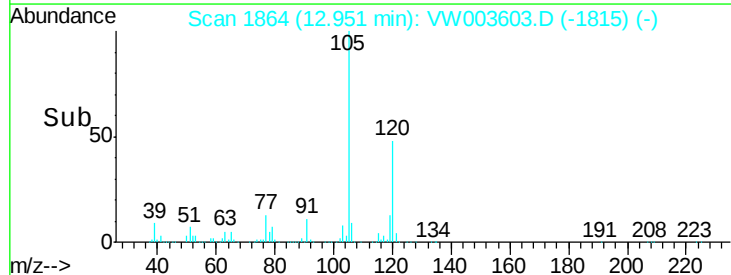
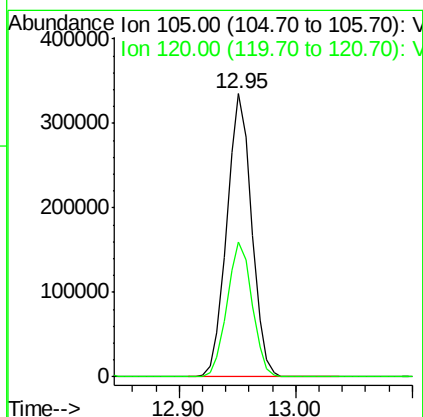
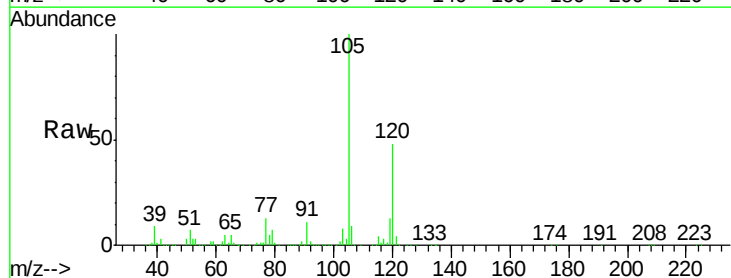
Instrument :
 MSVOA_W
 ClientSampled :

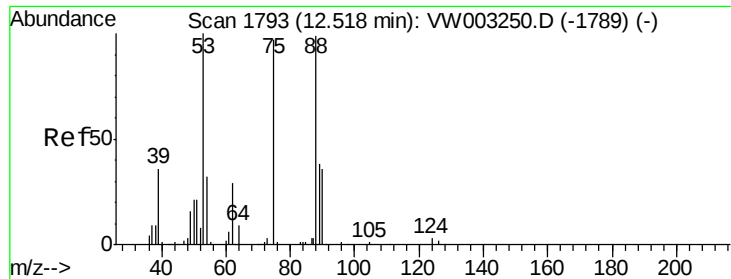
Tot Ion: 91 Resp: 401247
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 49.88 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion:105 Resp: 494579
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 45.92 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

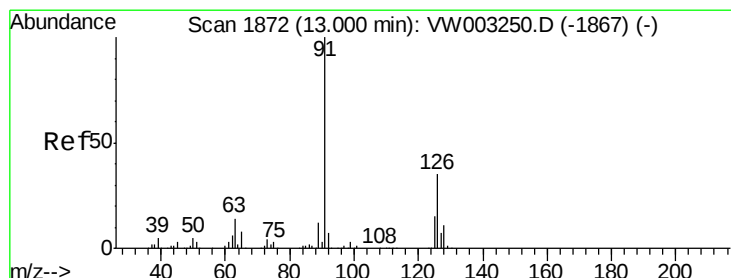
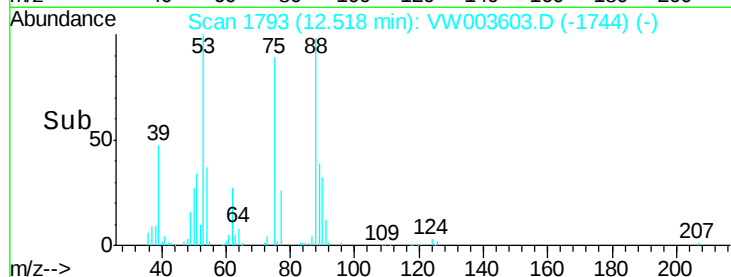
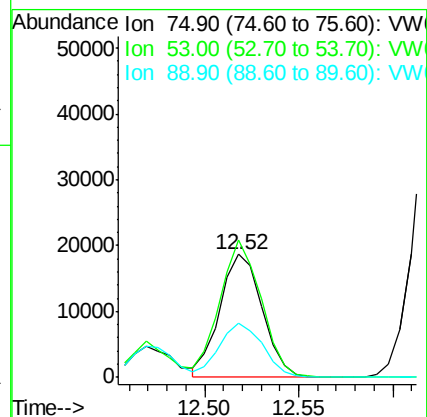
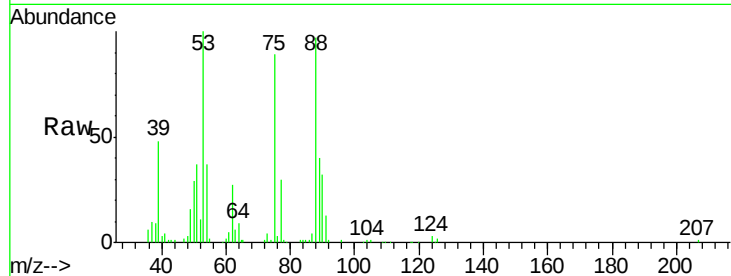
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 28975

Ion	Ratio	Lower	Upper
75	100		
53	110.1	82.9	124.3
89	45.5	36.7	55.1



#82

4-Chlorotoluene

Concen: 48.71 ug/l

RT: 12.99 min Scan# 1871

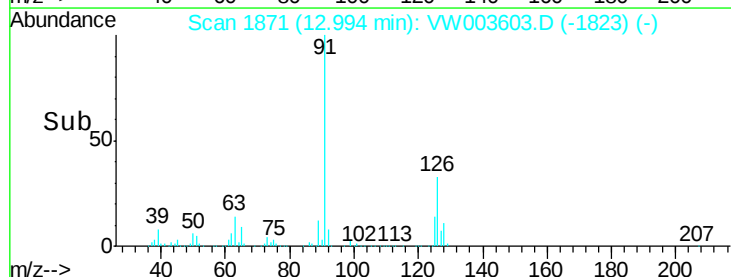
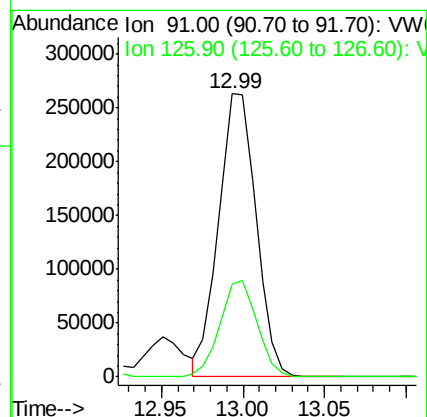
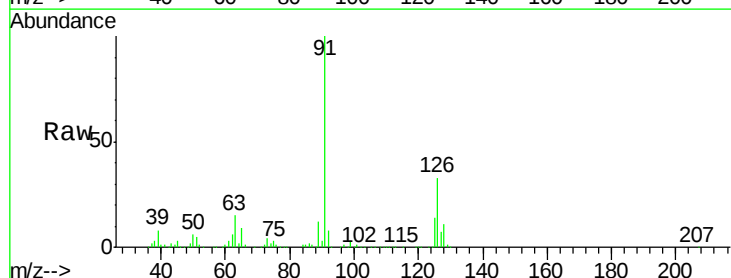
Delta R.T. -0.01 min

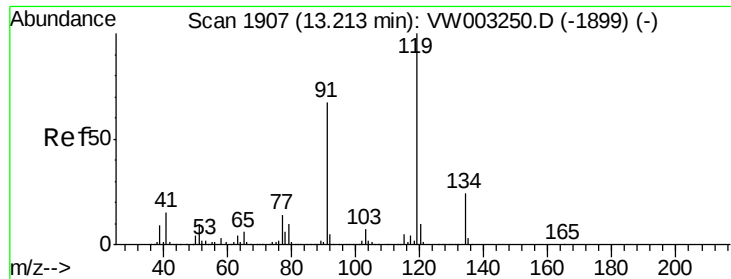
Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Tgt Ion: 91 Resp: 422441

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.8	50.3

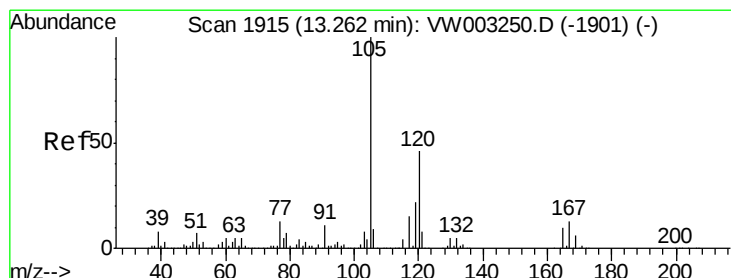
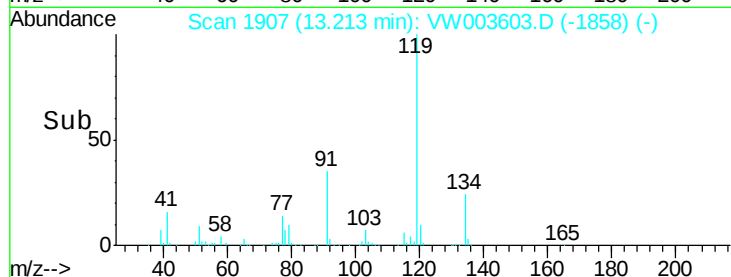
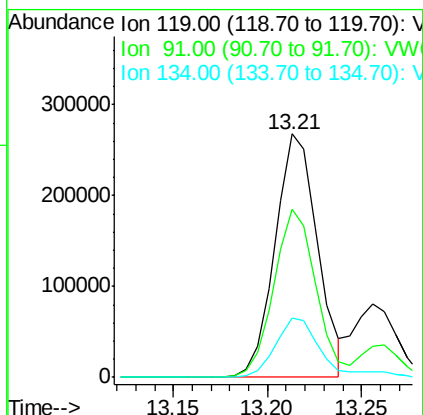
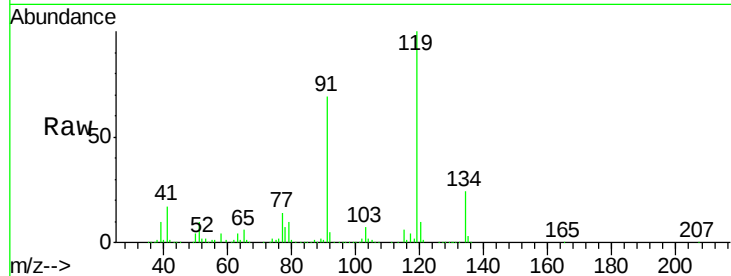




#83
 tert-Butylbenzene
 Concen: 49.47 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

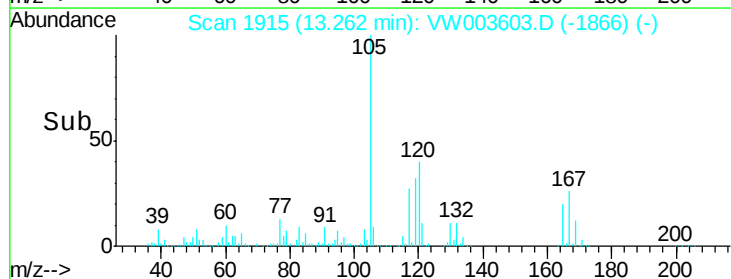
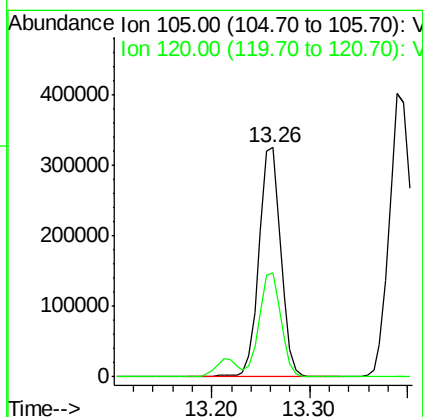
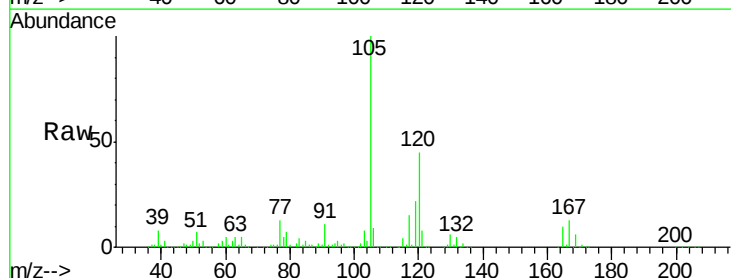
Instrument :
 MSVOA_W
 ClientSampleId :

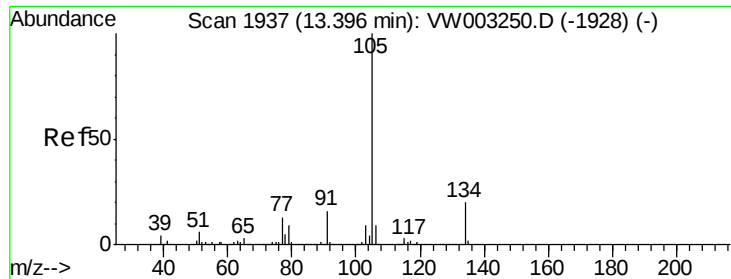
Tot Ion:119 Resp: 418016
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.9 101.7
 134 26.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.76 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion:105 Resp: 507522
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5





#85

sec-Butylbenzene

Concen: 50.00 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

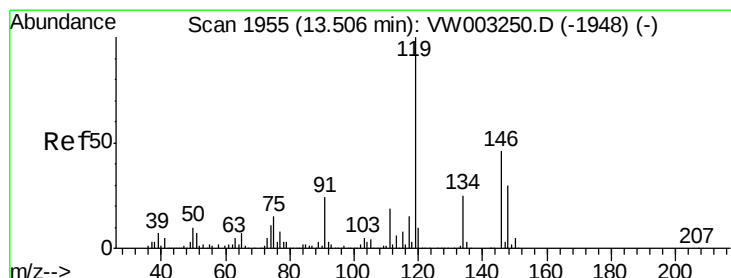
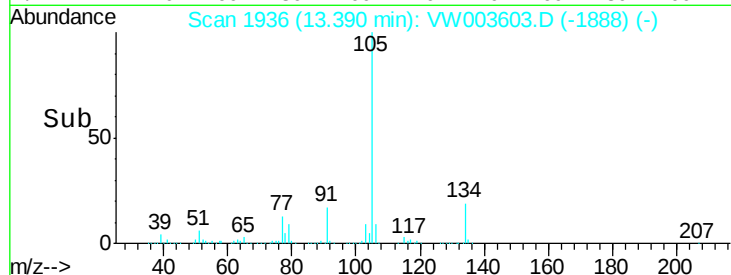
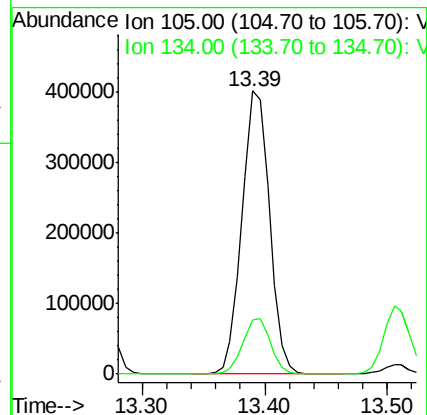
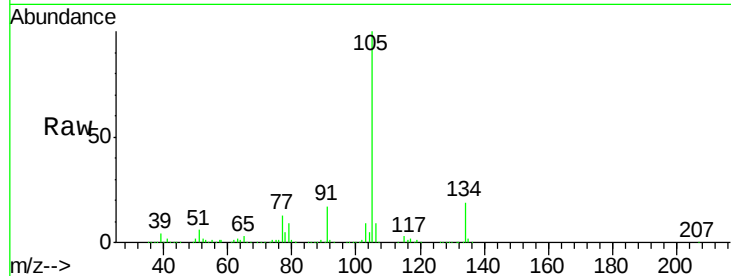
ClientSampled :

Tot Ion:105 Resp: 628013

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.69 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

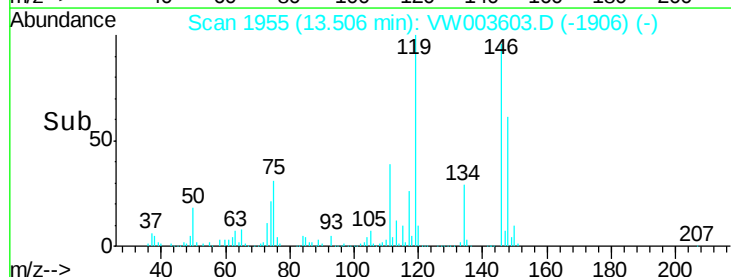
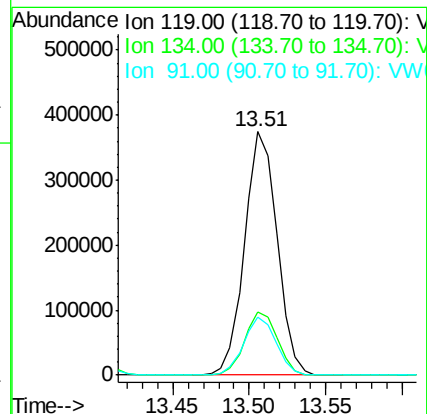
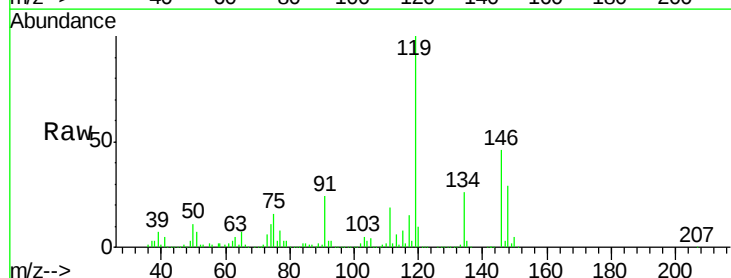
Tgt Ion:119 Resp: 550509

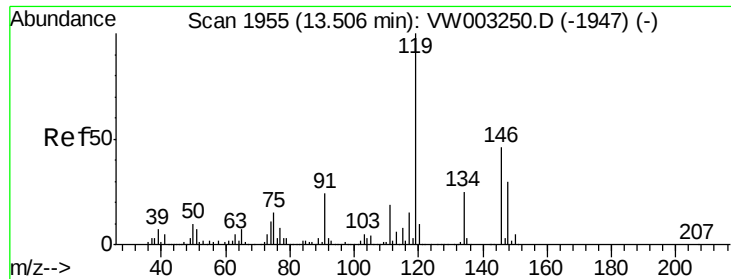
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 23.8 11.8 35.3

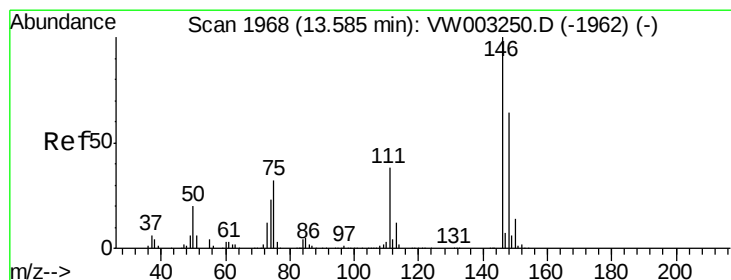
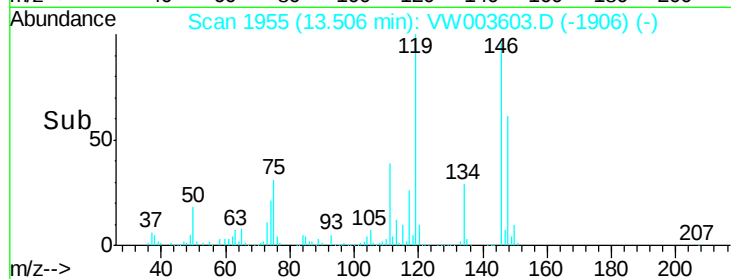
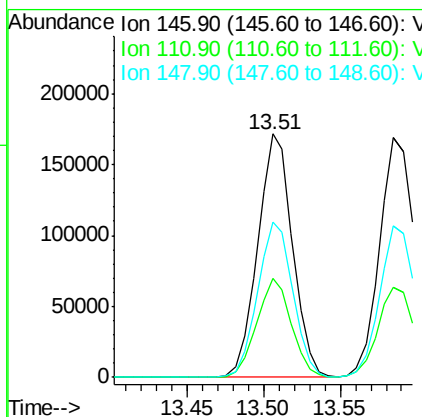
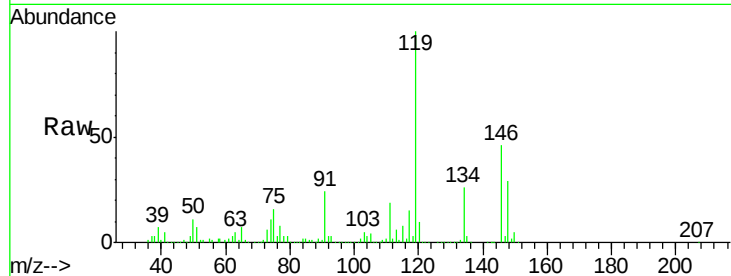




#87
 1,3-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

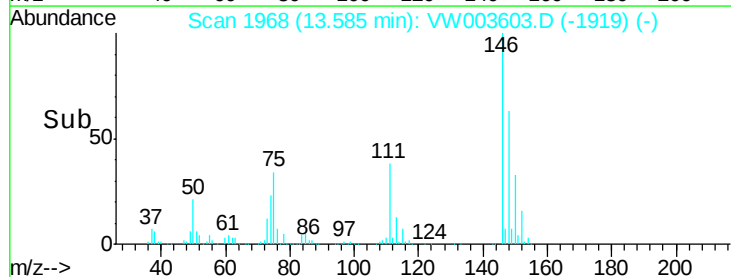
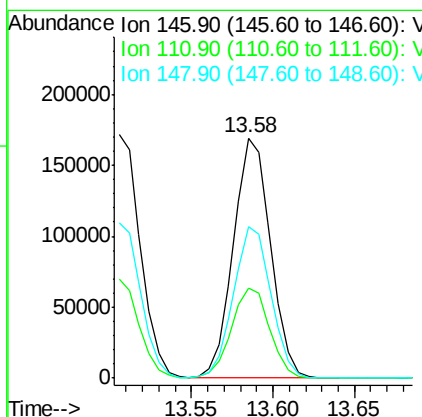
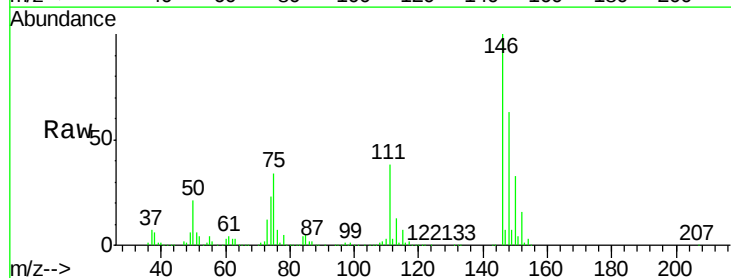
Instrument :
 MSVOA_W
 ClientSampleId :

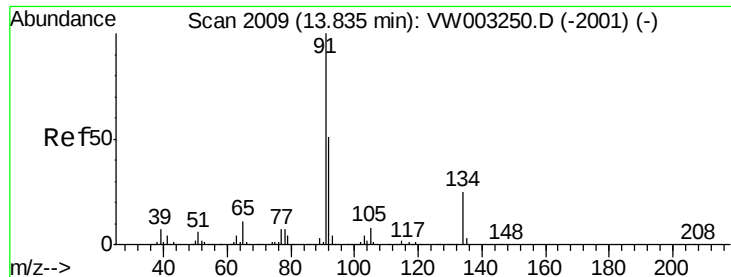
Tot Ion:146 Resp: 271889
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.8 59.4
 148 64.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Tgt Ion:146 Resp: 268367
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 50.51 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampled :

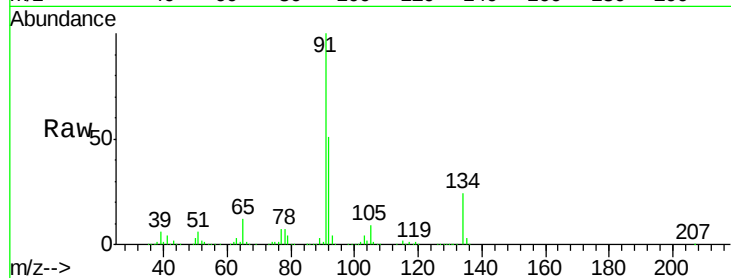
Tot Ion: 91 Resp: 545432

Ion Ratio Lower Upper

91 100

92 51.6 26.0 78.0

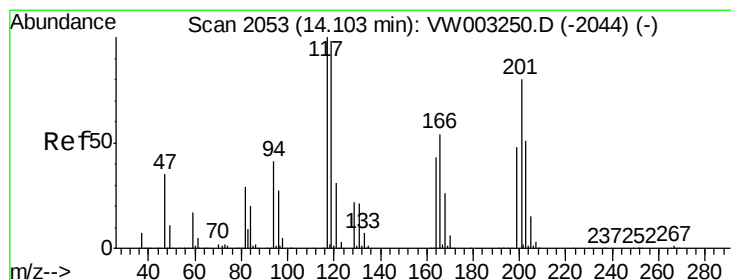
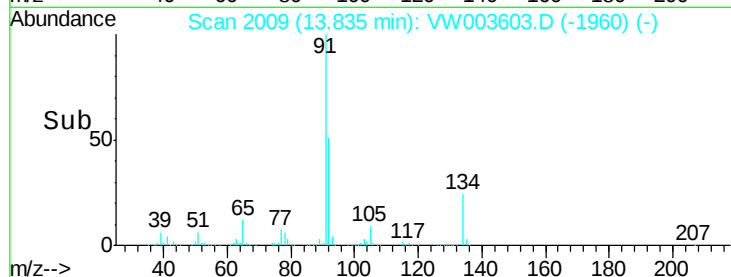
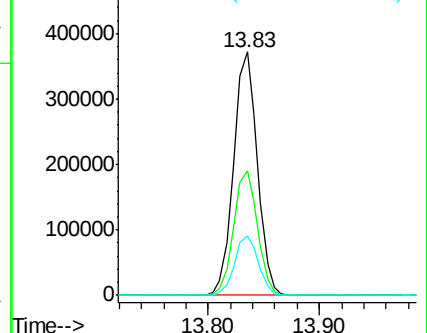
134 24.7 12.7 38.0



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: 48.60 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003603.D

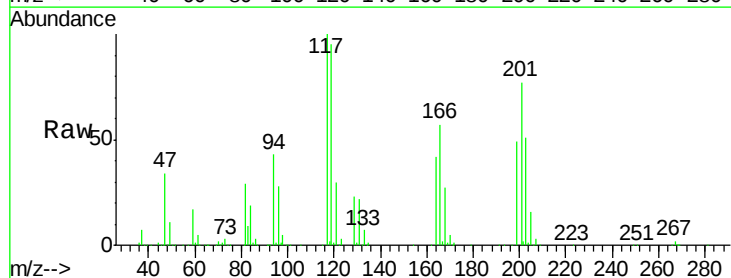
Acq: 27 Jun 2018 10:24

Tgt Ion: 117 Resp: 97396

Ion Ratio Lower Upper

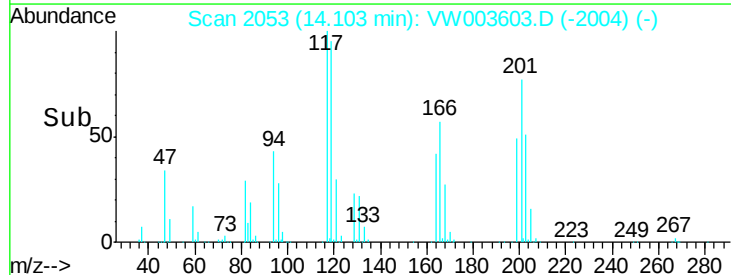
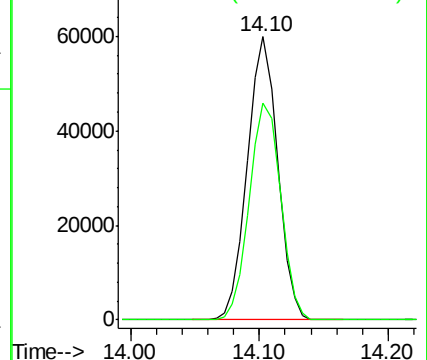
117 100

201 79.3 39.5 118.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.04 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

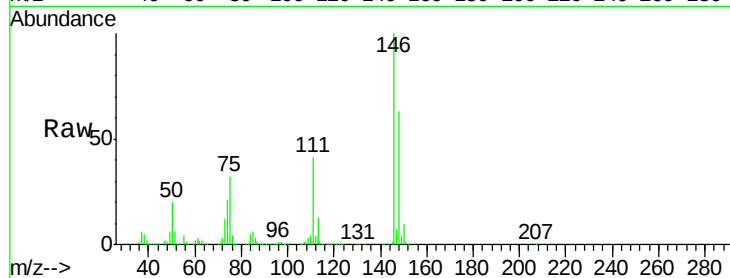
Tot Ion:146 Resp: 237856

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

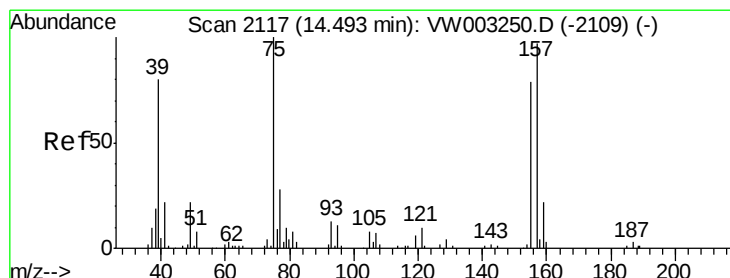
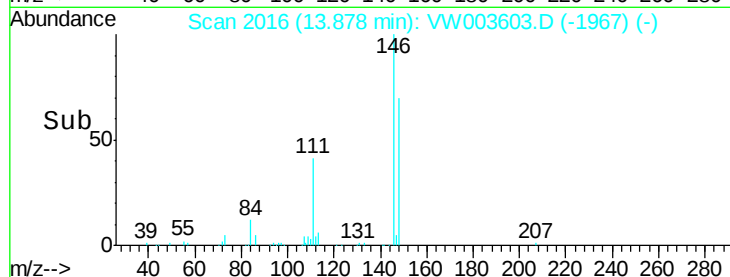
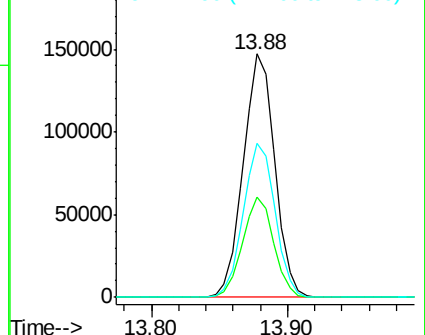
148 63.9 32.3 96.9



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: 46.91 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

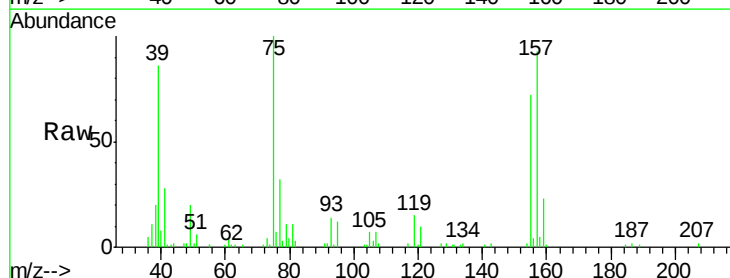
Tgt Ion: 75 Resp: 15778

Ion Ratio Lower Upper

75 100

155 78.3 39.4 118.2

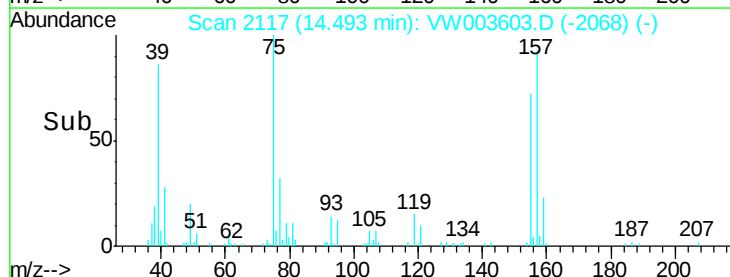
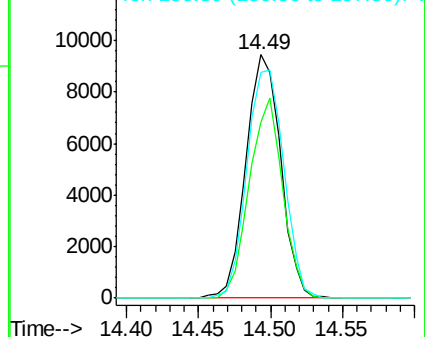
157 99.4 51.5 154.5

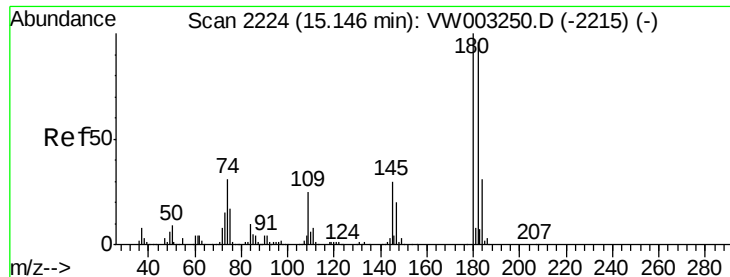


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

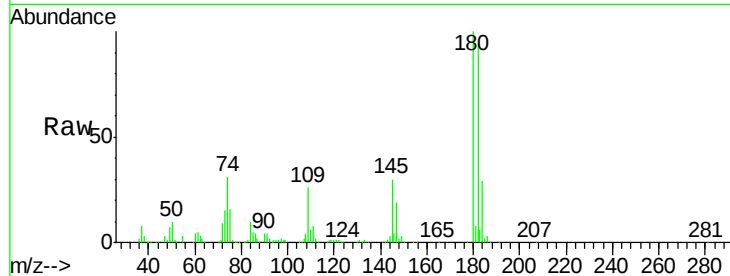




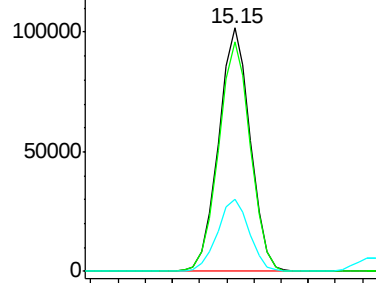
#93
 1,2,4-Trichlorobenzene
 Concen: 47.62 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

Instrument :
 MSVOA_W
 ClientSampled :

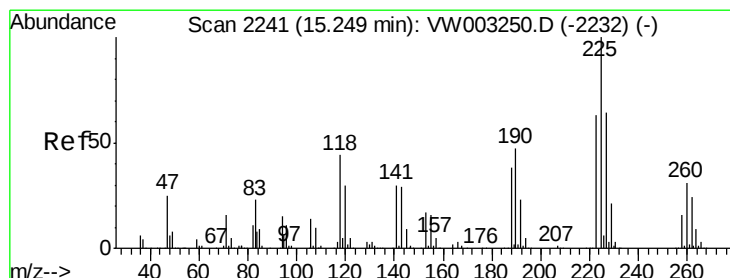
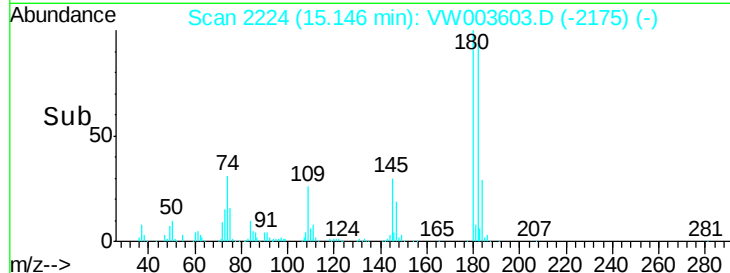
Tot Ion:180 Resp: 16511
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.6
 145 30.0 15.2 45.5



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

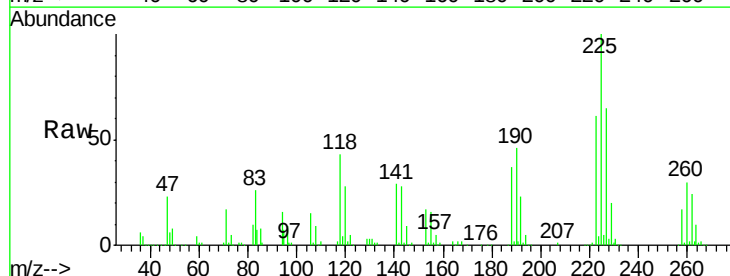


Time-->

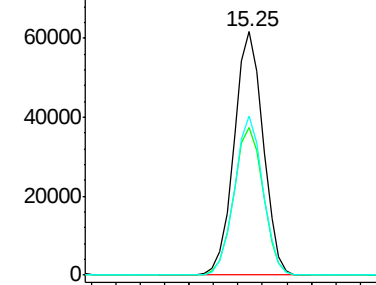


#94
 Hexachlorobutadiene
 Concen: 48.71 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003603.D
 Acq: 27 Jun 2018 10:24

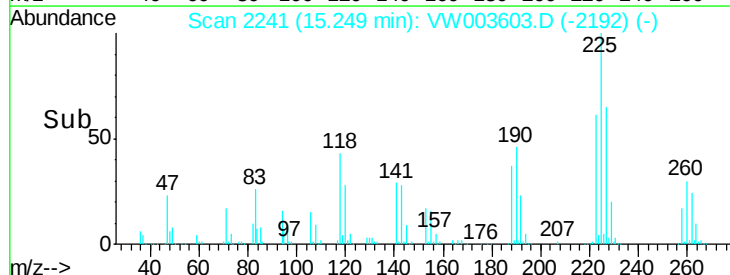
Tgt Ion:225 Resp: 101839
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.6 92.0
 227 63.8 31.7 95.1

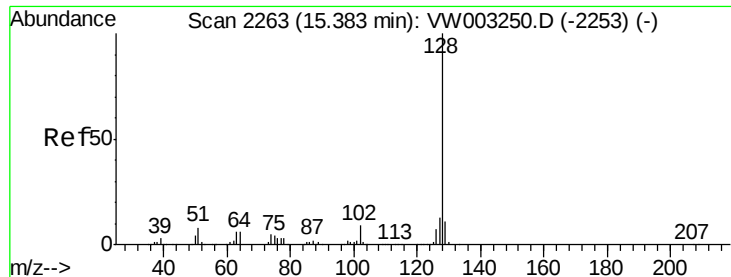


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 47.14 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

Instrument :

MSVOA_W

ClientSampled :

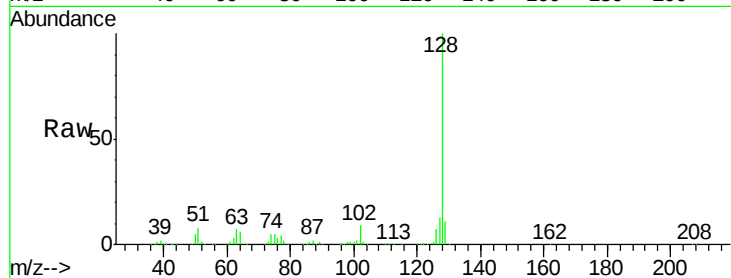
Tot Ion:128 Resp: 277908

Ion Ratio Lower Upper

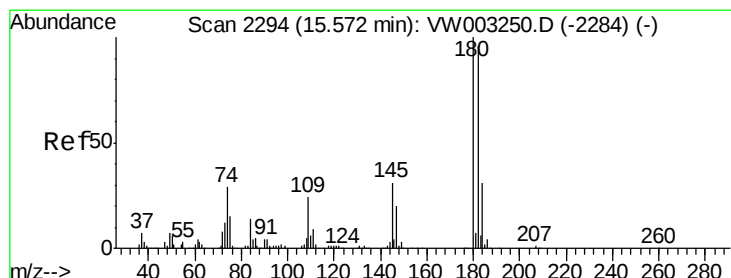
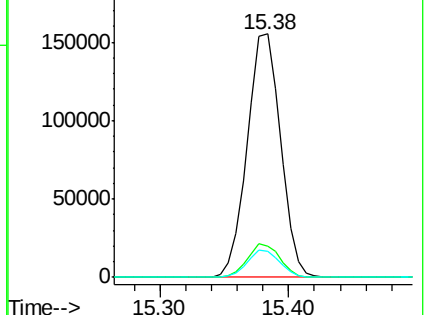
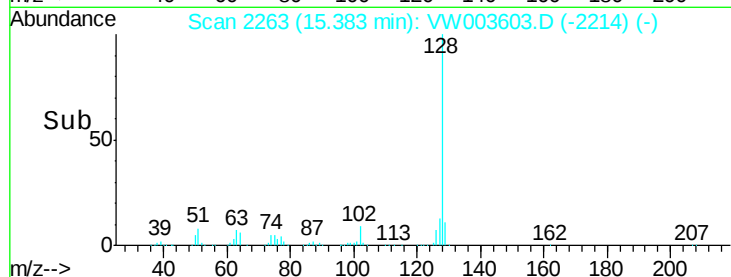
128 100

127 13.4 10.5 15.7

129 10.8 8.9 13.3



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: 47.58 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003603.D

Acq: 27 Jun 2018 10:24

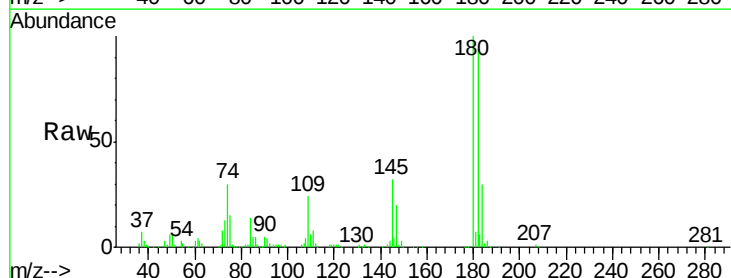
Tgt Ion:180 Resp: 145542

Ion Ratio Lower Upper

180 100

182 93.3 47.9 143.6

145 31.6 15.8 47.4



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

