

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003663.D
 Acq On : 29 Jun 2018 16:24
 Operator : SY/AP
 Sample : J2923-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:40:39 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	189639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	305022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	114172	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
35) Dibromofluoromethane	7.88	113	100527	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	10.33	98	386742	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.62	95	135163	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5158	8.997	ug/l	81
3) Chloromethane	2.21	50	10089	6.965	ug/l	89
4) Vinyl Chloride	2.36	62	14143	6.697	ug/l #	87
5) Bromomethane	2.78	94	8910	6.348	ug/l	99
6) Chloroethane	2.93	64	8647	5.883	ug/l	91
7) Trichlorofluoromethane	3.25	101	7804	6.169	ug/l	97
8) Diethyl Ether	3.67	74	6468	6.960	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.05	101	11835	6.737	ug/l	97
10) Methyl Iodide	4.27	142	16403	6.174	ug/l	97
11) Tert butyl alcohol	5.24	59	3981	36.138	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	11368	6.622	ug/l	89
13) Acrolein	3.89	56	2965	18.825	ug/l	95
14) Allyl chloride	4.65	41	18085	6.082	ug/l	98
15) Acrylonitrile	5.38	53	12286	32.132	ug/l	98
16) Acetone	4.15	43	16492	38.282	ug/l	100
17) Carbon Disulfide	4.37	76	34092	6.717	ug/l	96
18) Methyl Acetate	4.68	43	9467	9.263	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	18625	5.793	ug/l	99
20) Methylene Chloride	4.91	84	22424	9.263	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	12382	6.627	ug/l	90
22) Diisopropyl ether	6.32	45	33201	5.548	ug/l #	91
23) Vinyl Acetate	6.26	43	82369	23.884	ug/l	96
24) 1,1-Dichloroethane	6.21	63	23132	6.511	ug/l	99
25) 2-Butanone	7.19	43	18677	34.865	ug/l	96
26) 2,2-Dichloropropane	7.17	77	16069	6.777	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	12277	5.982	ug/l	90
28) Bromochloromethane	7.51	49	9284	6.280	ug/l	97
29) Tetrahydrofuran	7.54	42	10433	31.867	ug/l	93
30) Chloroform	7.68	83	22710	6.274	ug/l	98
31) Cyclohexane	7.95	56	22339	6.730	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	18642	6.240	ug/l	98
36) 1,1-Dichloropropene	8.09	75	18275	6.204	ug/l	97
37) Ethyl Acetate	7.26	43	8072	6.615	ug/l	97
38) Carbon Tetrachloride	8.07	117	18037	6.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	19100	5.604	ug/l	97
40) Benzene	8.32	78	50745	6.250	ug/l	97
41) Methacrylonitrile	7.49	41	3754	5.013	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	16020	6.297	ug/l	99
43) Isopropyl Acetate	8.43	43	14562	6.010	ug/l	98
44) Trichloroethene	9.10	130	13286	6.175	ug/l	96
45) 1,2-Dichloropropane	9.37	63	13054	6.314	ug/l	96
46) Dibromomethane	9.46	93	6827	6.450	ug/l	95
47) Bromodichloromethane	9.65	83	16561	6.104	ug/l	93
48) Methyl methacrylate	9.44	41	6797	5.969	ug/l	94
49) 1,4-Dioxane	9.49	88	1743	109.064	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	34930	28.290	ug/l	98
52) Toluene	10.39	92	32582	6.258	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15780	5.694	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	17484	5.543	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9137	6.126	ug/l	95
56) Ethyl methacrylate	10.65	69	9490	5.240	ug/l	99
57) 1,3-Dichloropropane	10.94	76	15975	6.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22112	27.234	ug/l	99
59) 2-Hexanone	10.98	43	24561	28.474	ug/l	95
60) Dibromochloromethane	11.13	129	10144	5.719	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8331	5.905	ug/l	95
64) Tetrachloroethene	10.87	164	12258	6.505	ug/l	96
65) Chlorobenzene	11.66	112	35508	6.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11860	5.752	ug/l	98
67) Ethyl Benzene	11.74	91	56340	5.417	ug/l	97
68) m/p-Xylenes	11.84	106	42592	10.773	ug/l	99
69) o-Xylene	12.17	106	18980	5.180	ug/l	99
70) Styrene	12.19	104	31104	5.100	ug/l	100
71) Bromoform	12.35	173	6208	5.810	ug/l #	97
73) Isopropylbenzene	12.47	105	52595	5.069	ug/l	98
74) N-amyl acetate	12.28	43	12109	5.128	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10362	5.903	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	14345	11.249	ug/l #	100
77) Bromobenzene	12.75	156	13727	5.681	ug/l	98
78) n-propylbenzene	12.81	91	69120	5.441	ug/l	99
79) 2-Chlorotoluene	12.90	91	39149	5.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	46652	5.357	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2877	5.191	ug/l	88
82) 4-Chlorotoluene	12.99	91	41411	5.437	ug/l	97
83) tert-Butylbenzene	13.21	119	37744	5.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	46391	5.179	ug/l	98
85) sec-Butylbenzene	13.39	105	58033	5.261	ug/l	98
86) p-Isopropyltoluene	13.51	119	48808	5.016	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	27875	5.616	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	29151	5.907	ug/l	95
89) n-Butylbenzene	13.83	91	49532	5.223	ug/l	99
90) Hexachloroethane	14.10	117	9892	5.620	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	24646	5.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1744	5.904	ug/l	93

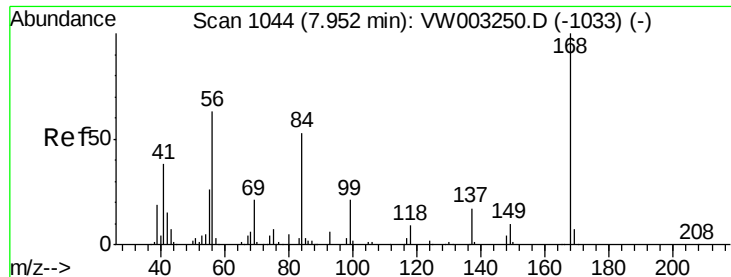
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	16303	5.341	ug/l	97
94) Hexachlorobutadiene	15.25	225	10535	5.738	ug/l	98
95) Naphthalene	15.38	128	24322	4.697	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	14560	5.419	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

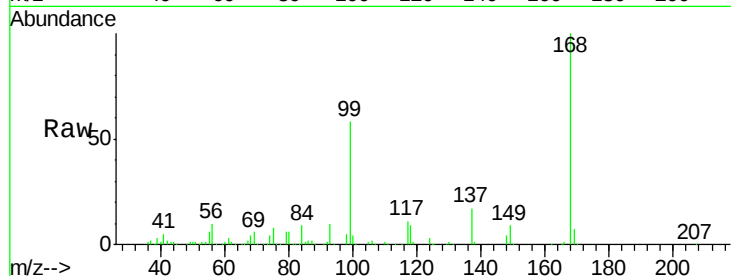
ClientSampleId :

Tot Ion:168 Resp: 189639

Ion Ratio Lower Upper

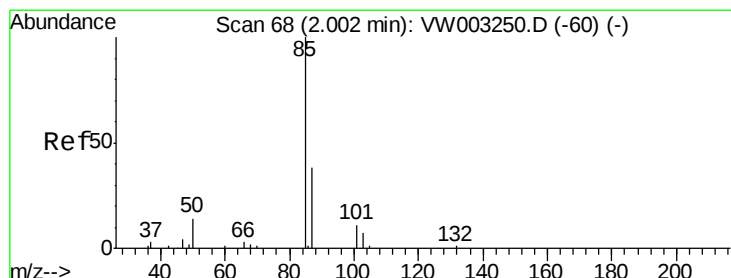
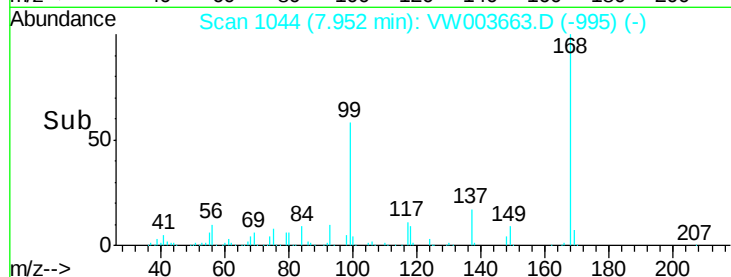
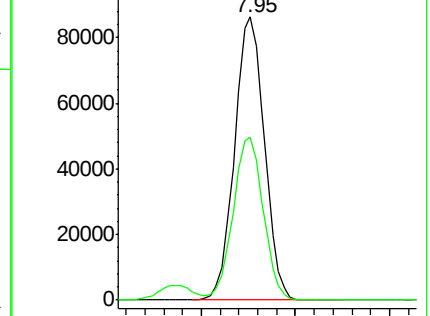
168 100

99 57.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.997 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003663.D

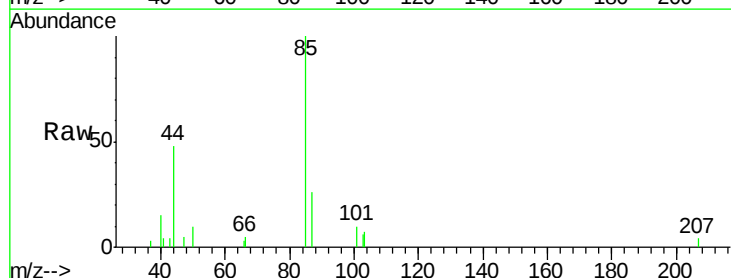
Acq: 29 Jun 2018 16:24

Tgt Ion: 85 Resp: 5158

Ion Ratio Lower Upper

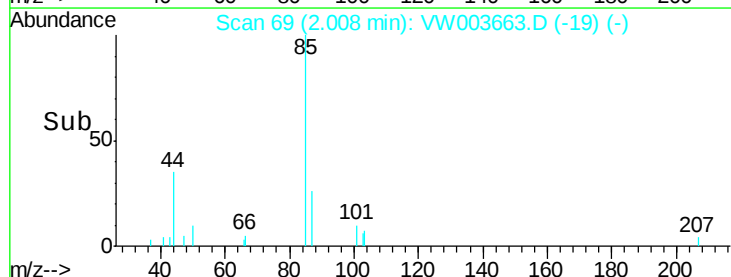
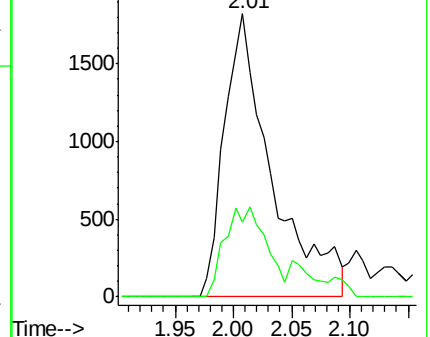
85 100

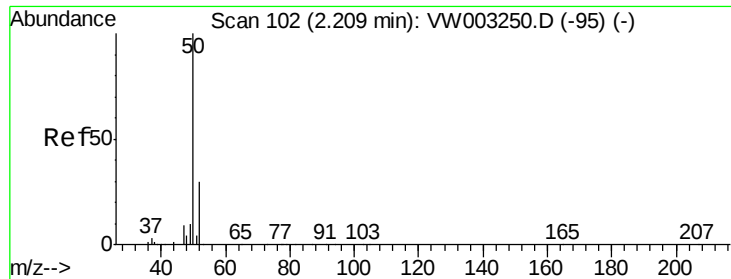
87 26.5 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.965 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

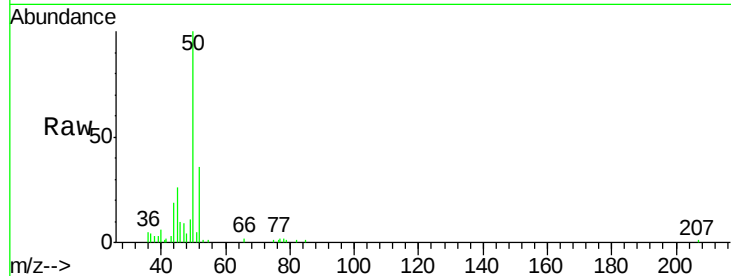
ClientSampled :

Tot Ion: 50 Resp: 10089

Ion Ratio Lower Upper

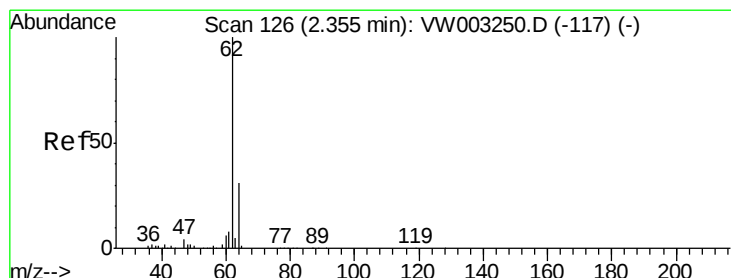
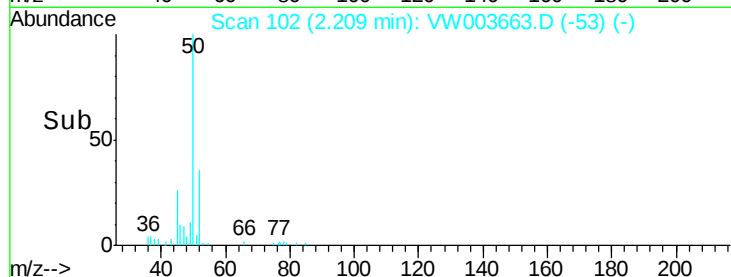
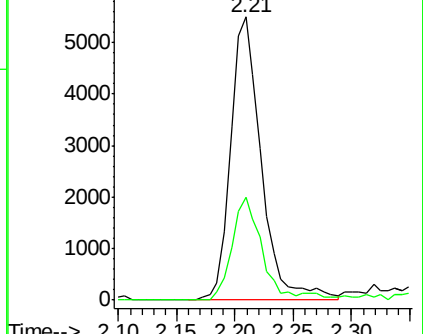
50 100

52 36.2 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 6.697 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003663.D

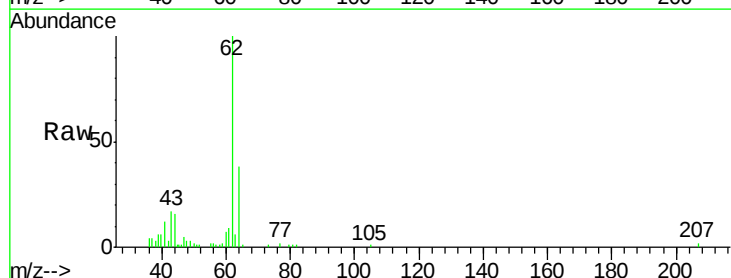
Acq: 29 Jun 2018 16:24

Tgt Ion: 62 Resp: 14143

Ion Ratio Lower Upper

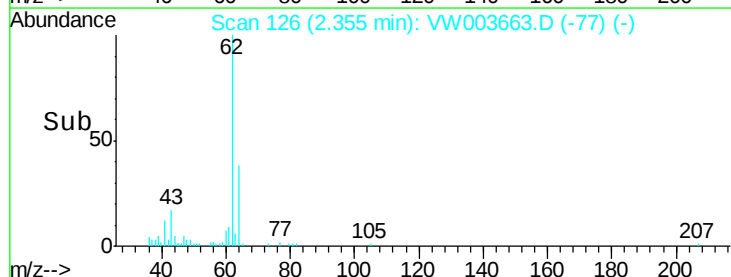
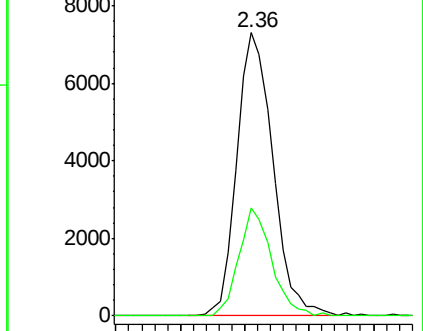
62 100

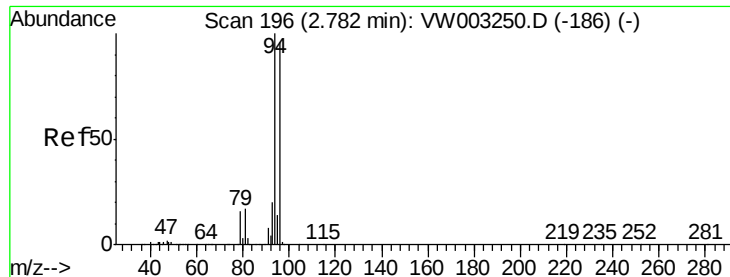
64 38.4 24.9 37.3#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 6.348 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

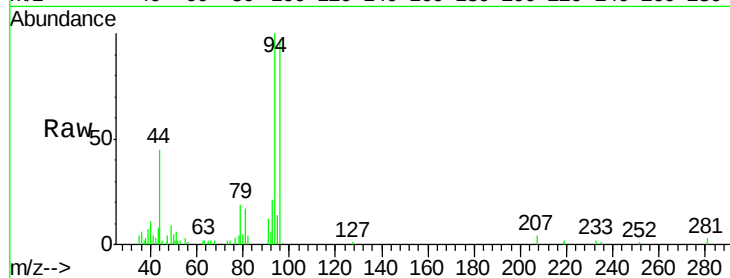
ClientSampleId :

Tot Ion: 94 Resp: 8910

Ion Ratio Lower Upper

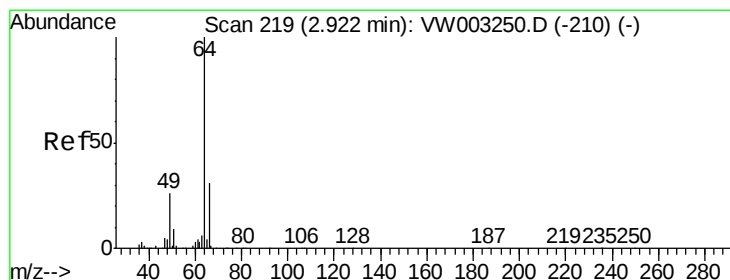
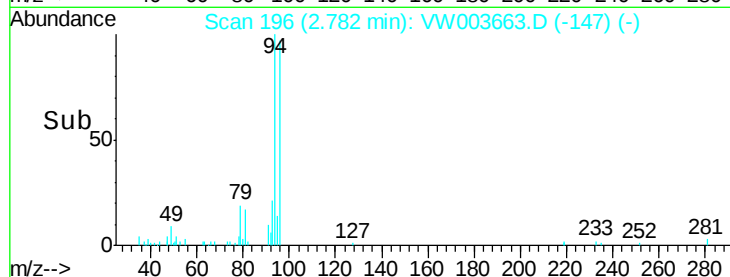
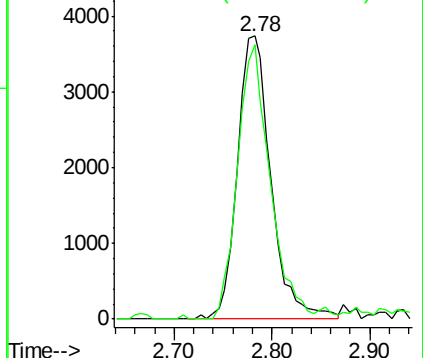
94 100

96 97.0 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 5.883 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003663.D

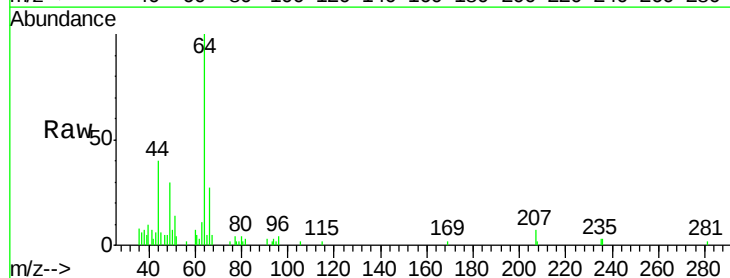
Acq: 29 Jun 2018 16:24

Tgt Ion: 64 Resp: 8647

Ion Ratio Lower Upper

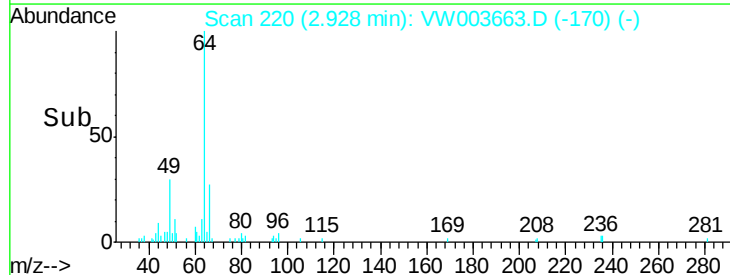
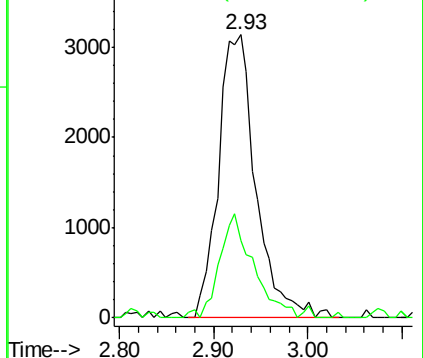
64 100

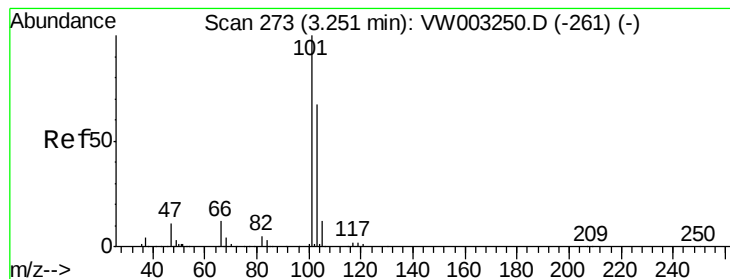
66 25.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



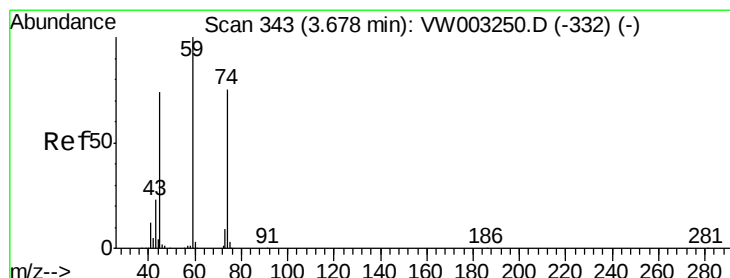
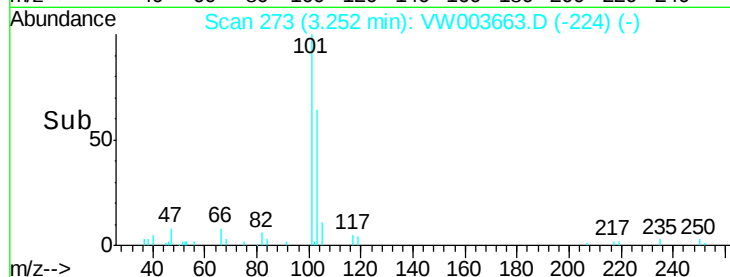
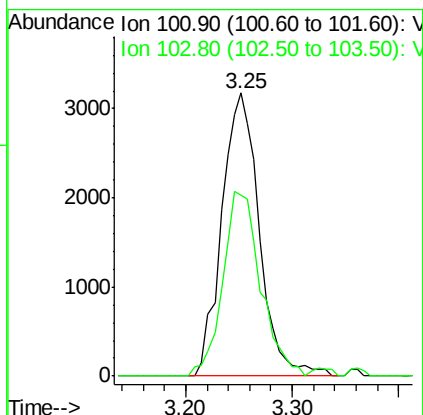
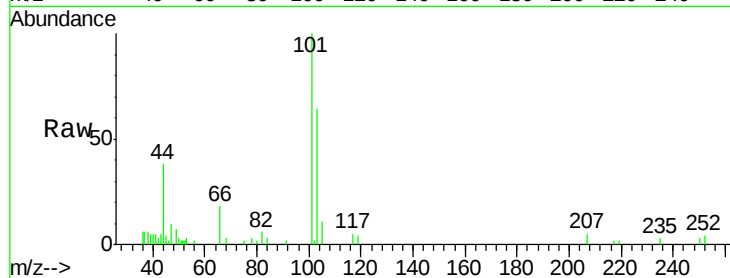


#7

Trichlorofluoromethane
Concen: 6.169 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :

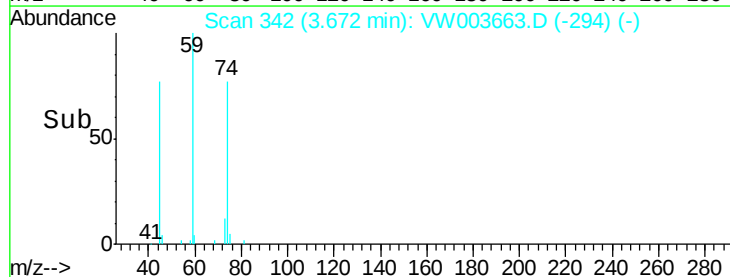
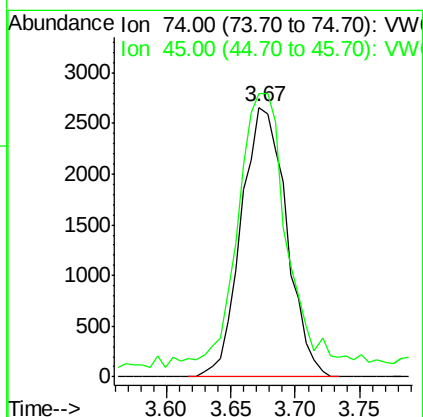
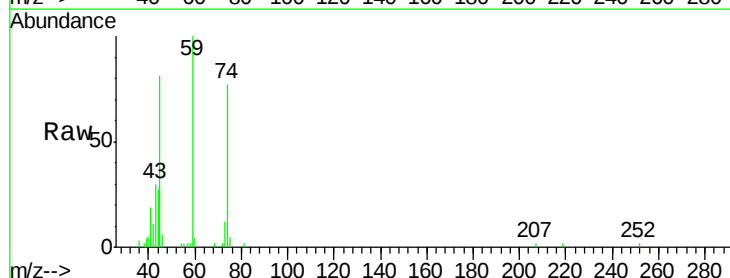
Tot Ion:101 Resp: 7804
Ion Ratio Lower Upper
101 100
103 64.1 53.4 80.0

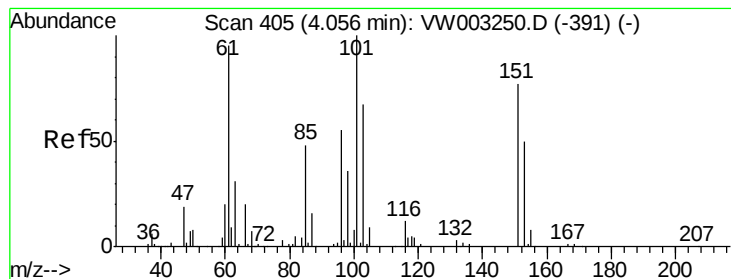


#8

Diethyl Ether
Concen: 6.960 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 74 Resp: 6468
Ion Ratio Lower Upper
74 100
45 113.8 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.737 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

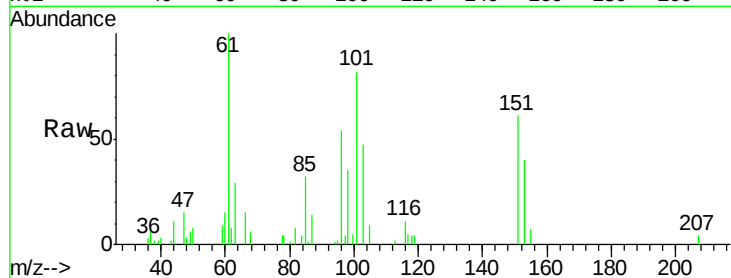
Tot Ion:101 Resp: 11835

Ion Ratio Lower Upper

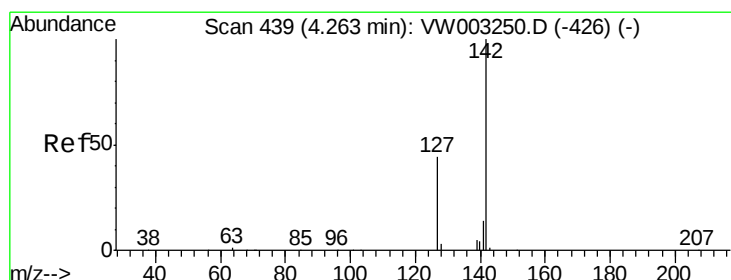
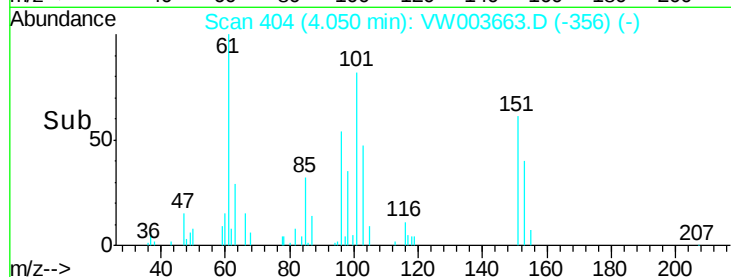
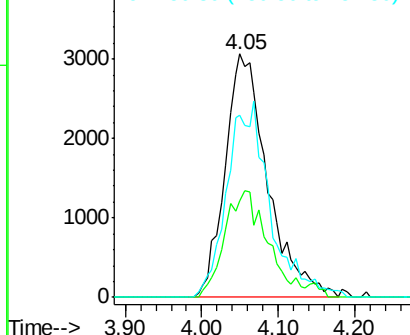
101 100

85 44.0 37.0 55.6

151 81.2 63.3 94.9



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



#10

Methyl Iodide

Concen: 6.174 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

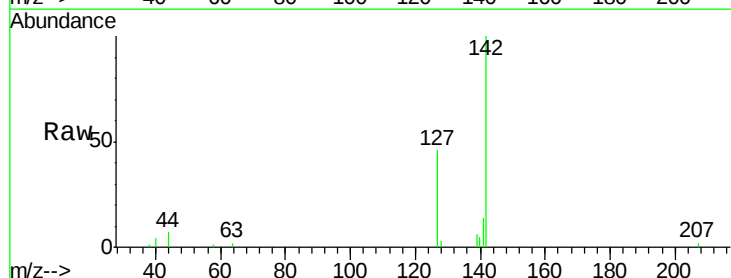
Tgt Ion:142 Resp: 16403

Ion Ratio Lower Upper

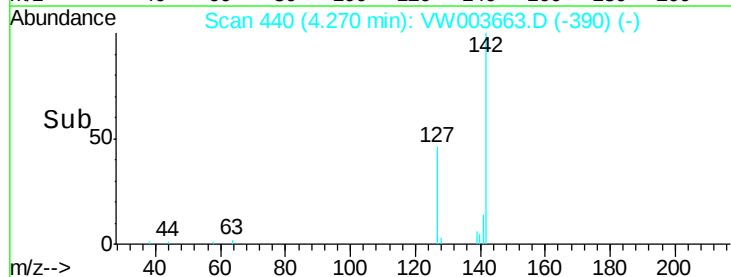
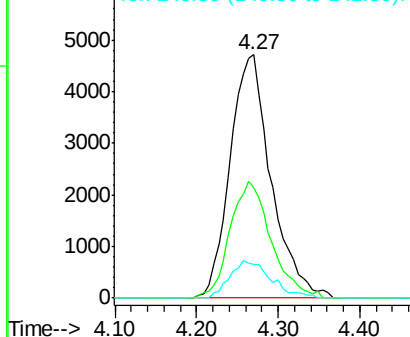
142 100

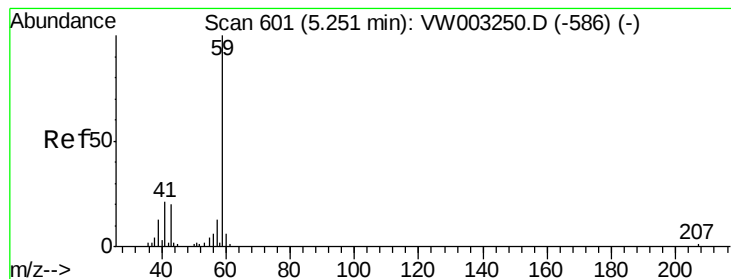
127 47.9 36.5 54.7

141 15.5 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



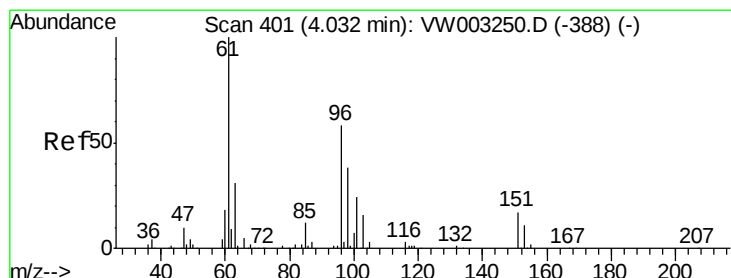
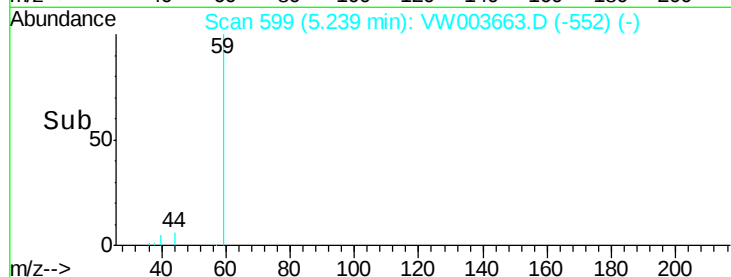
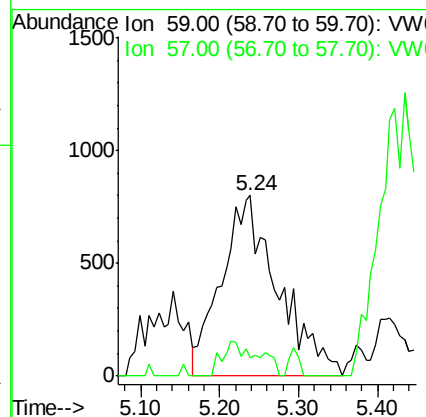
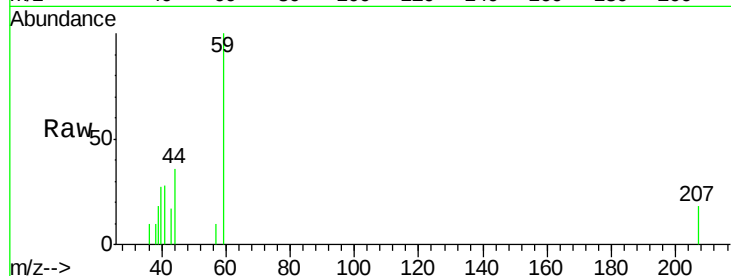


#11

Tert butyl alcohol
Concen: 36.138 ug/l
RT: 5.24 min Scan# 599
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

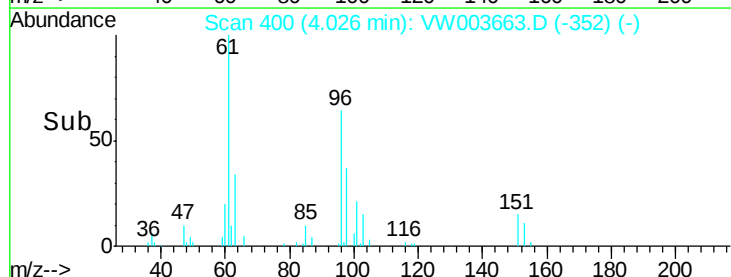
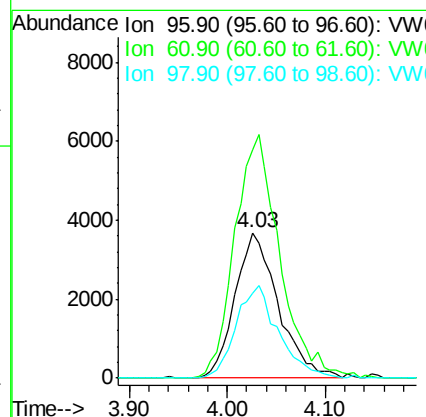
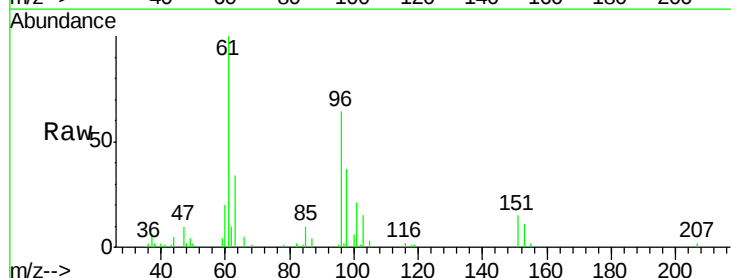
Tot Ion: 59 Resp: 3981
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

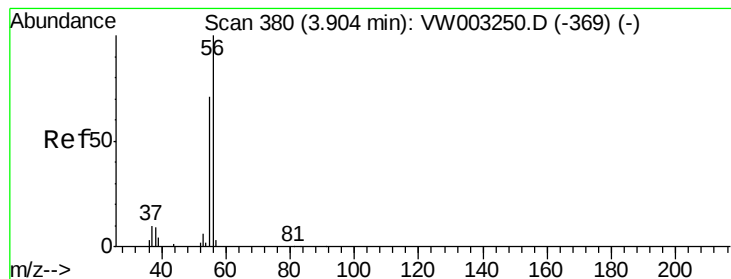


#12

1,1-Dichloroethene
Concen: 6.622 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 96 Resp: 11368
Ion Ratio Lower Upper
96 100
61 157.1 139.0 208.4
98 58.6 53.3 79.9





#13

Acrolein

Concen: 18.825 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

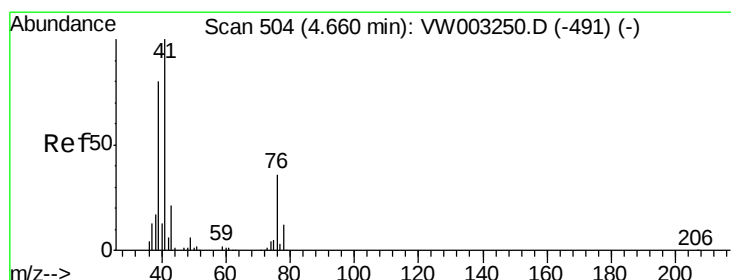
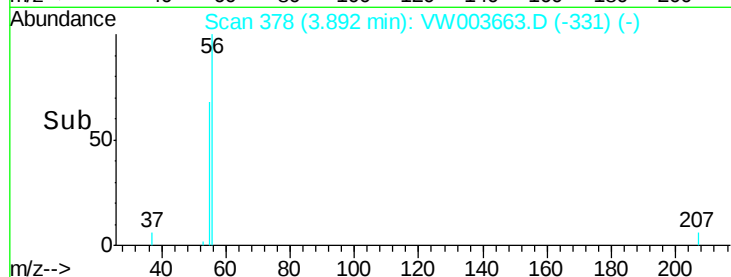
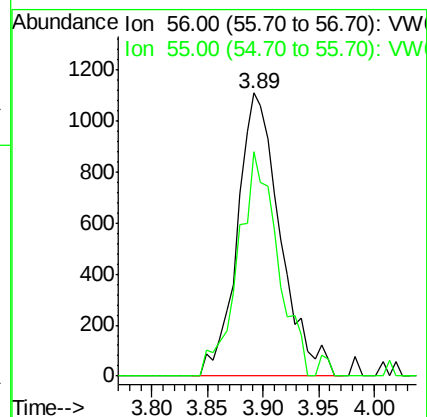
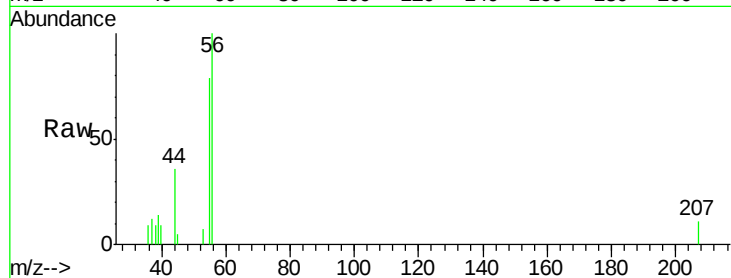
ClientSampleId :

Tot Ion: 56 Resp: 2965

Ion Ratio Lower Upper

56 100

55 73.6 55.4 83.2



#14

Allyl chloride

Concen: 6.082 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

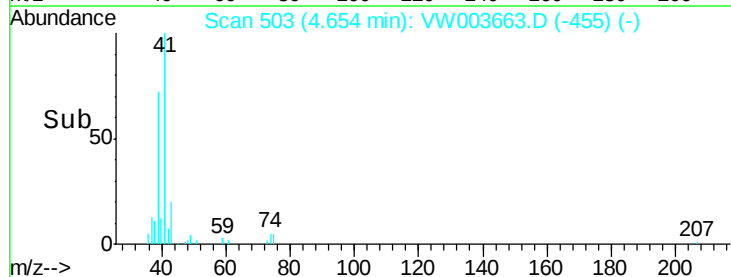
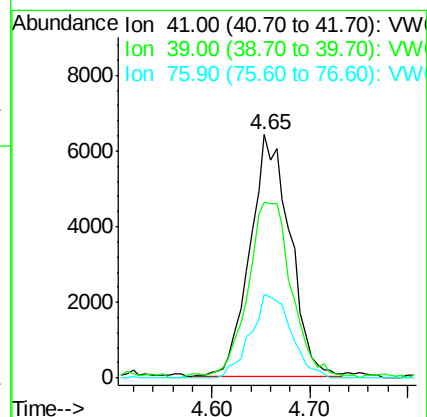
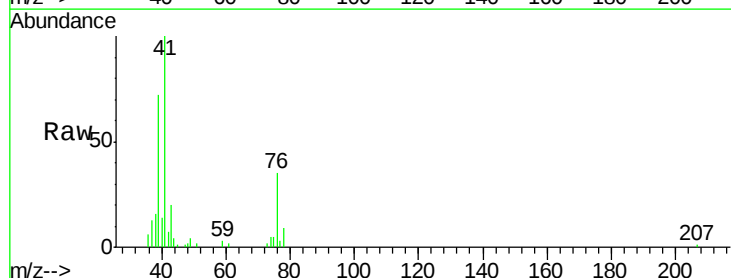
Tgt Ion: 41 Resp: 18085

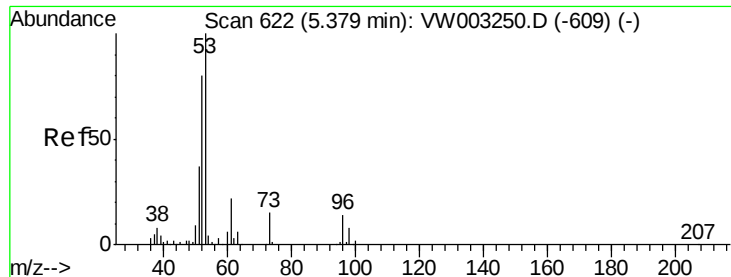
Ion Ratio Lower Upper

41 100

39 80.9 63.2 94.8

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 32.132 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

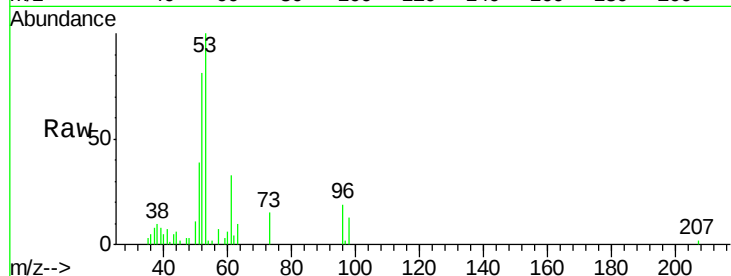
Tot Ion: 53 Resp: 12286

Ion Ratio Lower Upper

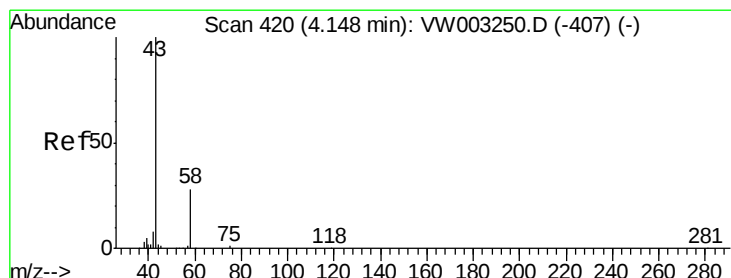
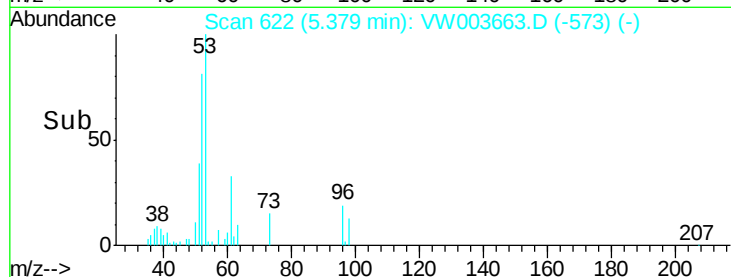
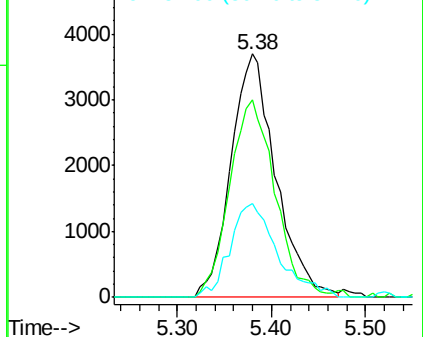
53 100

52 82.3 66.6 100.0

51 41.0 30.6 46.0



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



#16

Acetone

Concen: 38.282 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003663.D

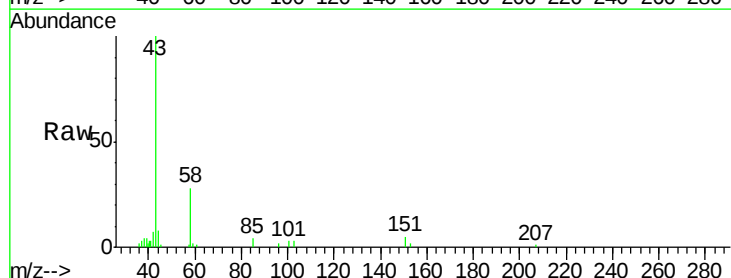
Acq: 29 Jun 2018 16:24

Tgt Ion: 43 Resp: 16492

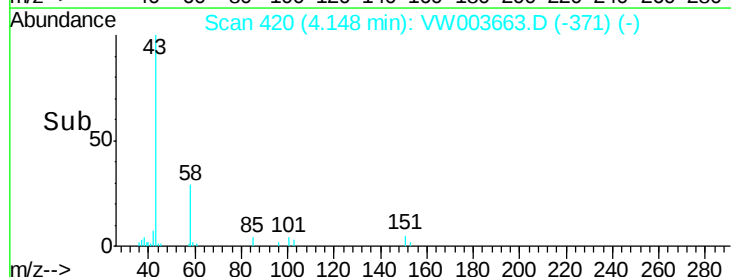
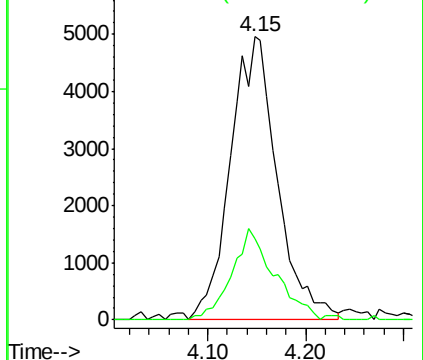
Ion Ratio Lower Upper

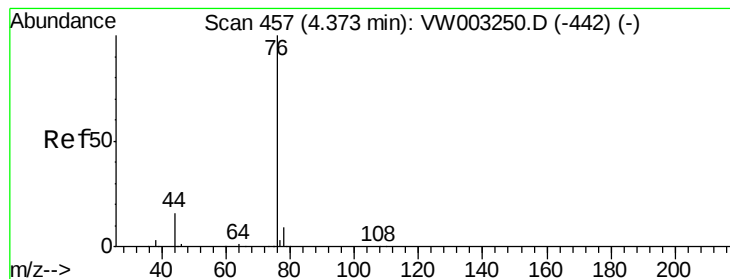
43 100

58 28.5 22.6 34.0



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





#17

Carbon Disulfide

Concen: 6.717 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

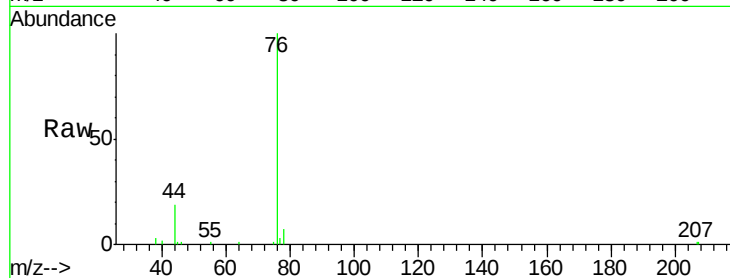
ClientSampled :

Tot Ion: 76 Resp: 34092

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

12000

10000

8000

6000

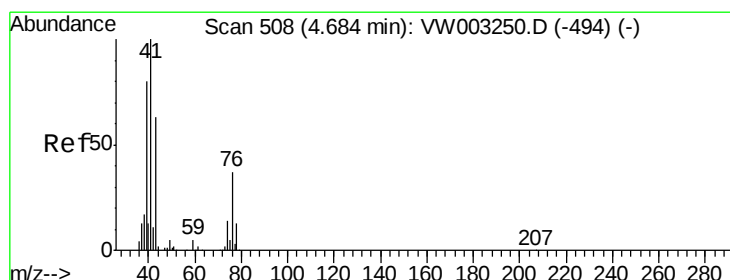
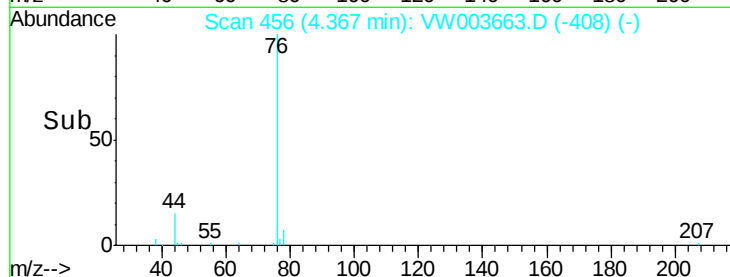
4000

2000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 9.263 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003663.D

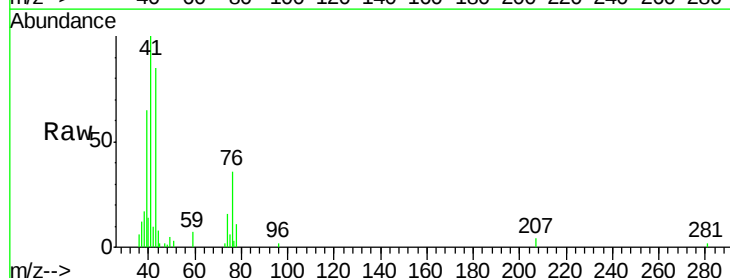
Acq: 29 Jun 2018 16:24

Tgt Ion: 43 Resp: 9467

Ion Ratio Lower Upper

43 100

74 24.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

4000

3000

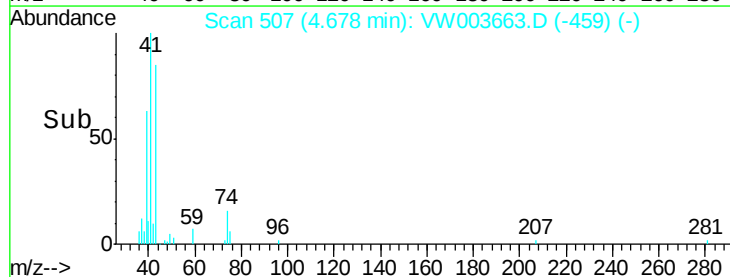
2000

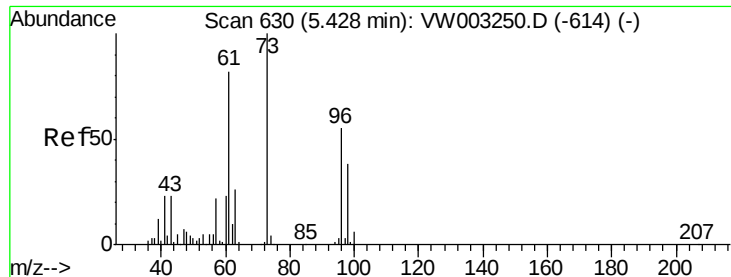
1000

0

Time-->

4.60 4.70

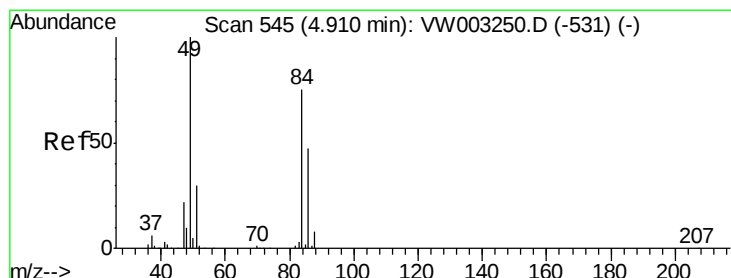
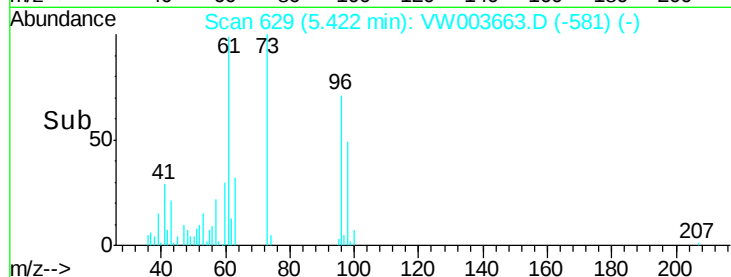
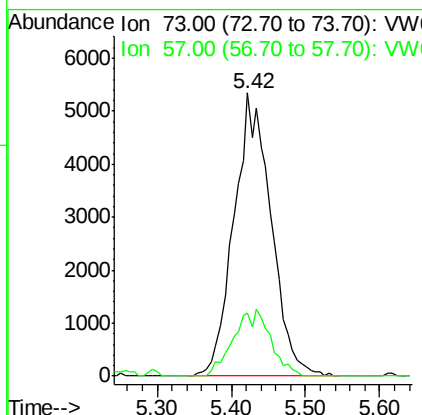
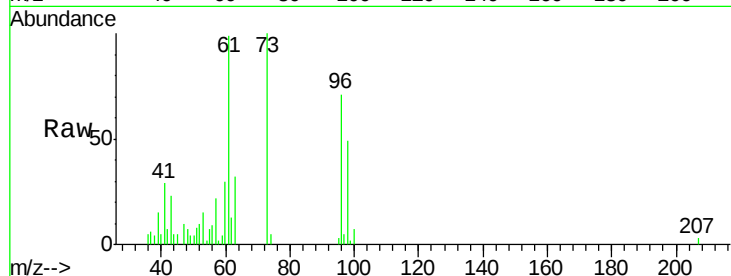




#19
Methyl tert-butyl Ether
Concen: 5.793 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

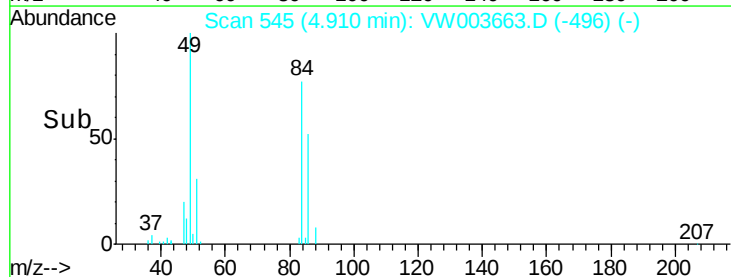
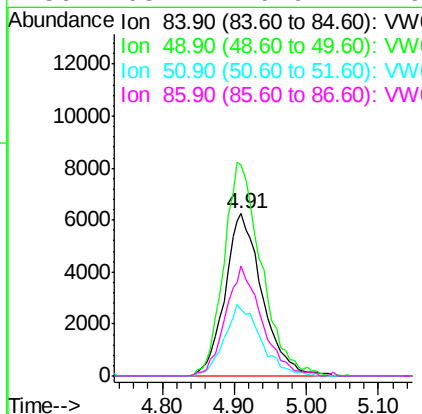
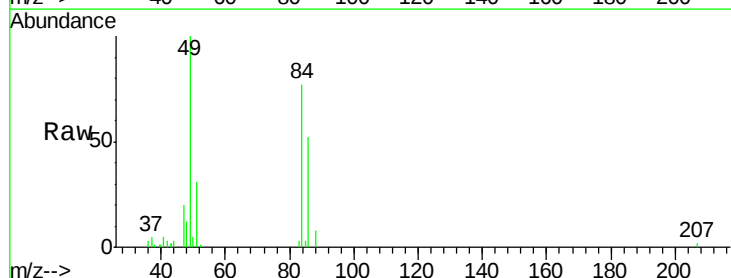
Instrument :
MSVOA_W
ClientSampled :

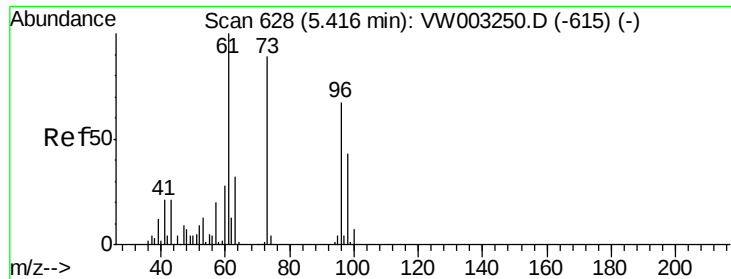
Tot Ion: 73 Resp: 18625
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 9.263 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 84 Resp: 22424
Ion Ratio Lower Upper
84 100
49 130.2 106.3 159.5
51 41.0 32.0 48.0
86 68.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 6.627 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :

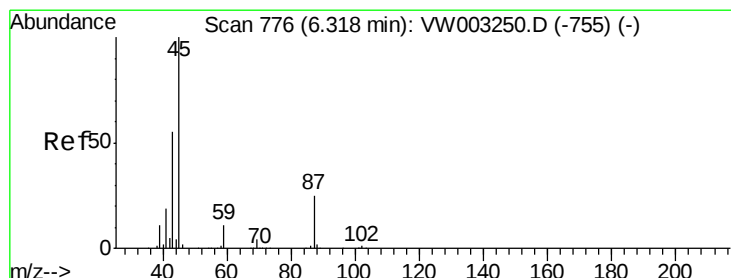
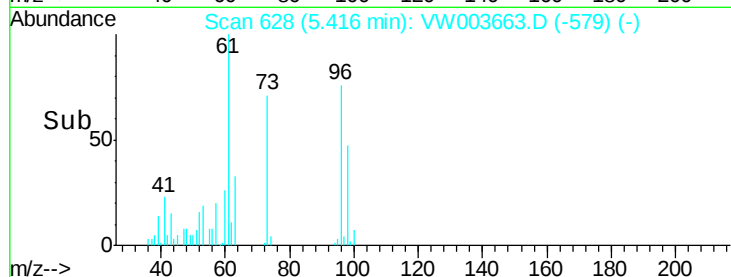
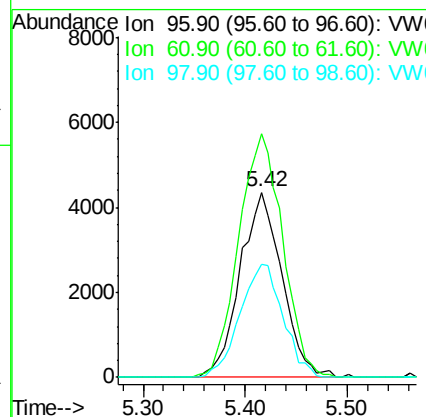
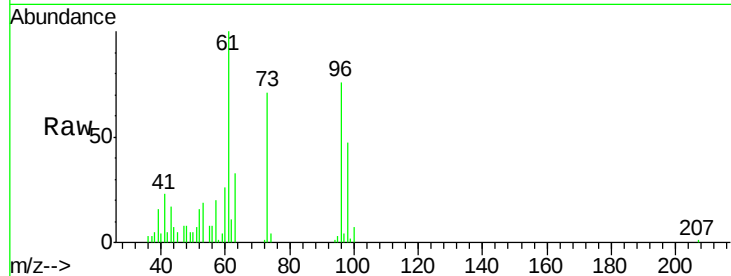
Tot Ion: 96 Resp: 12382

Ion Ratio Lower Upper

96 100

61 131.5 118.7 178.1

98 61.3 51.0 76.6



#22

Diisopropyl ether

Concen: 5.548 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion: 45 Resp: 33201

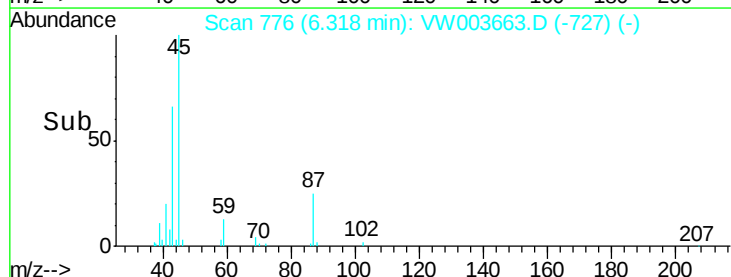
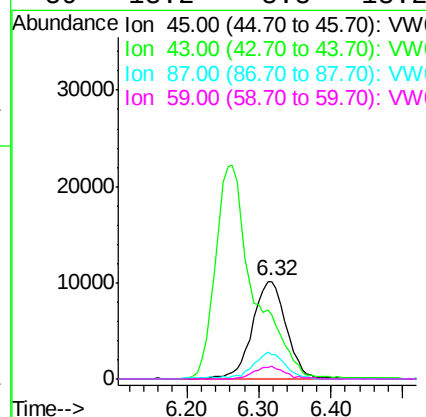
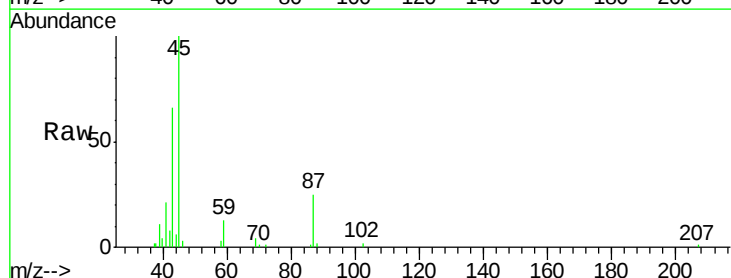
Ion Ratio Lower Upper

45 100

43 64.6 44.0 66.0

87 25.4 20.6 31.0

59 13.2 8.8 13.2#





#23

Vinyl Acetate

Concen: 23.884 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

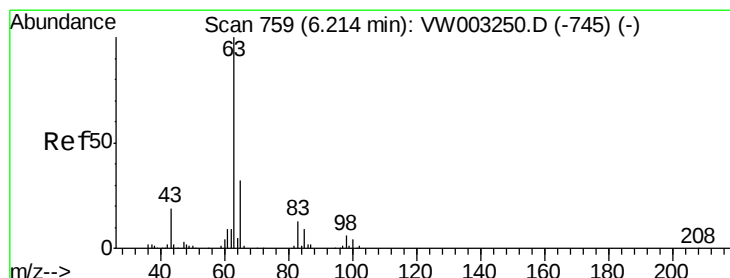
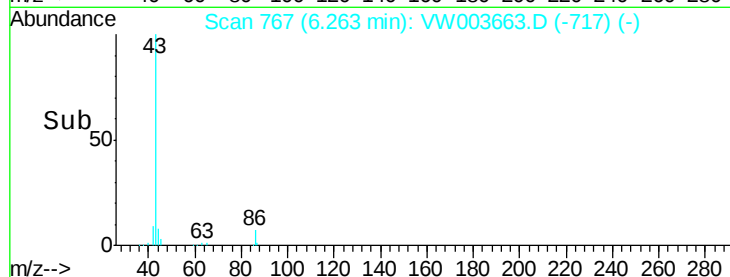
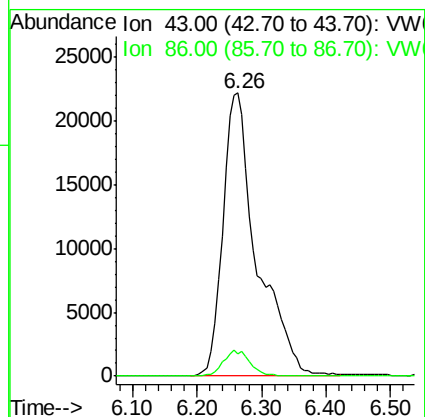
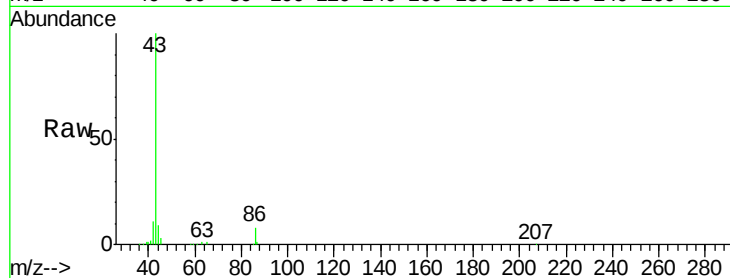
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 82369

Ion Ratio Lower Upper

43 100

86 8.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 6.511 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

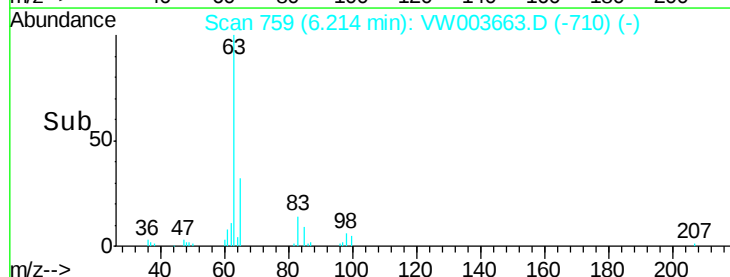
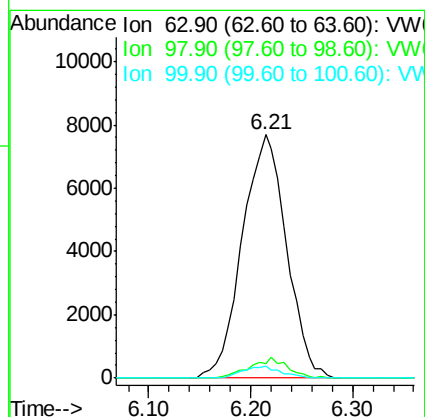
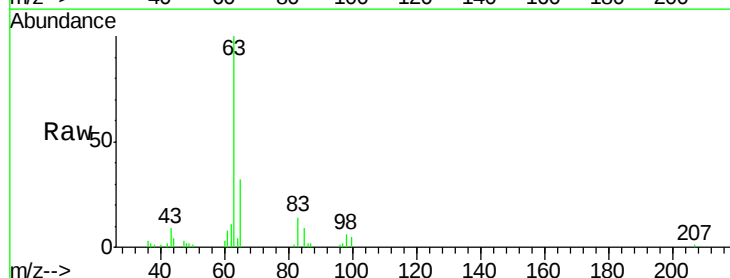
Tgt Ion: 63 Resp: 23132

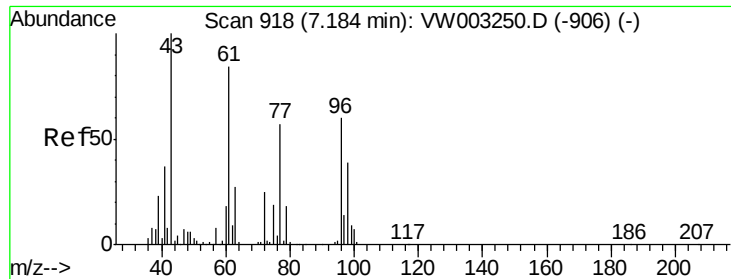
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 34.865 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

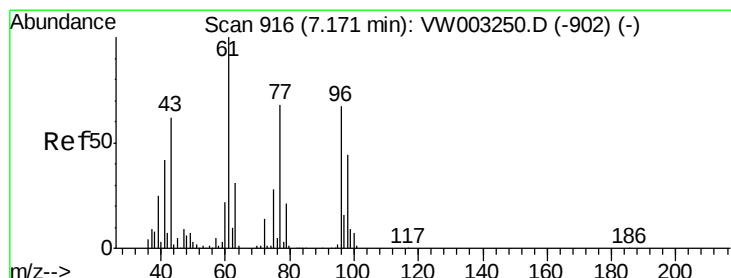
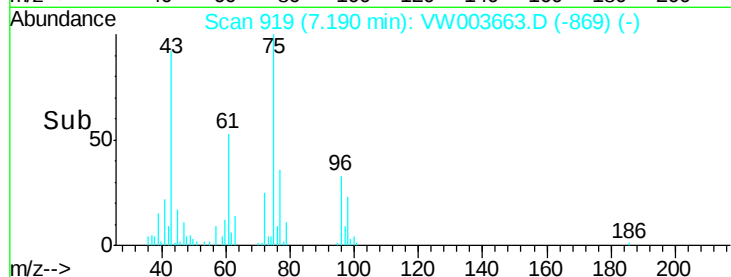
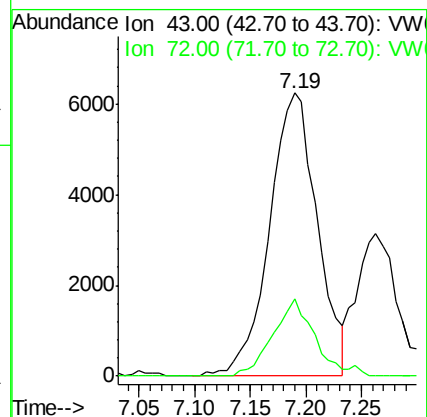
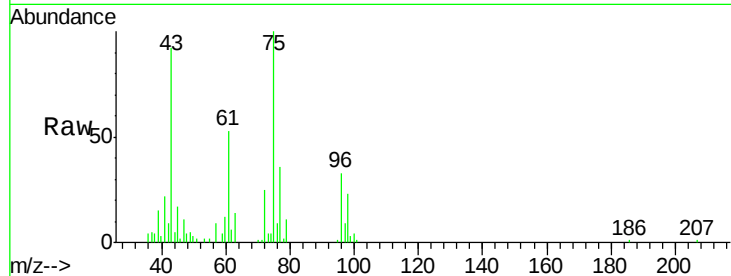
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 18677

Ion Ratio Lower Upper

43 100

72 27.5 20.3 30.5



#26

2,2-Dichloropropane

Concen: 6.777 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003663.D

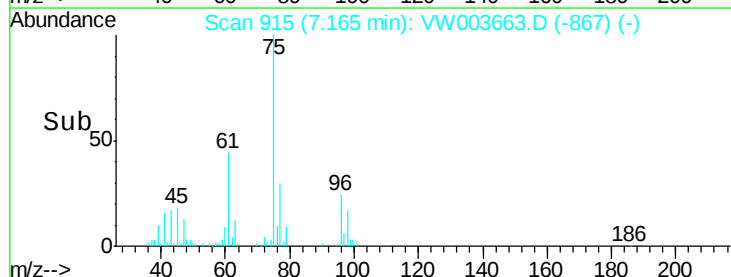
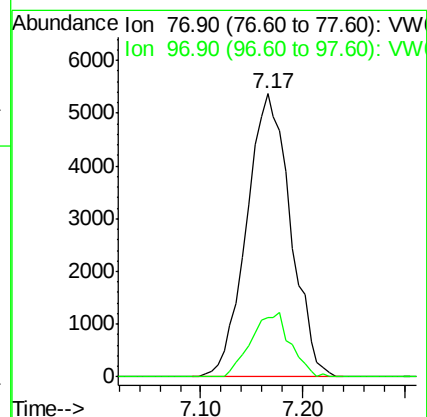
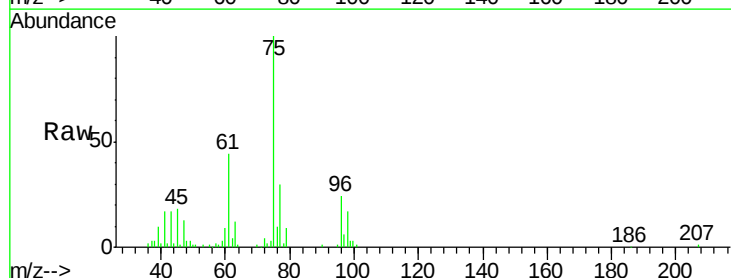
Acq: 29 Jun 2018 16:24

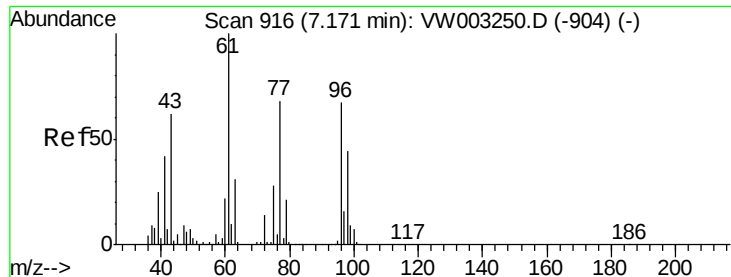
Tgt Ion: 77 Resp: 16069

Ion Ratio Lower Upper

77 100

97 20.3 11.3 33.9



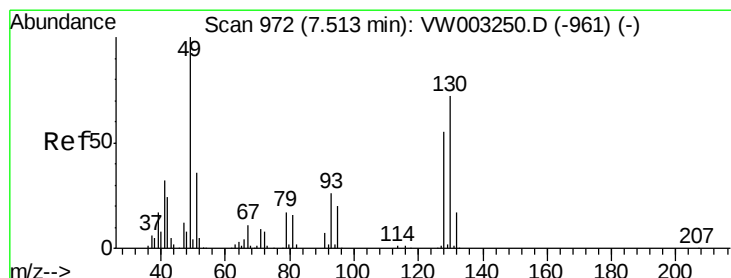
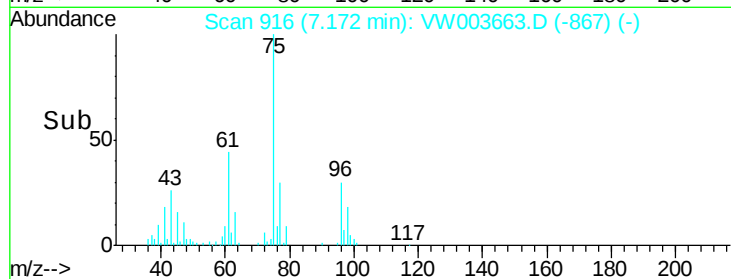
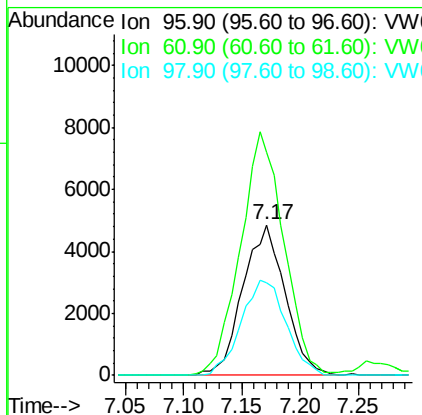
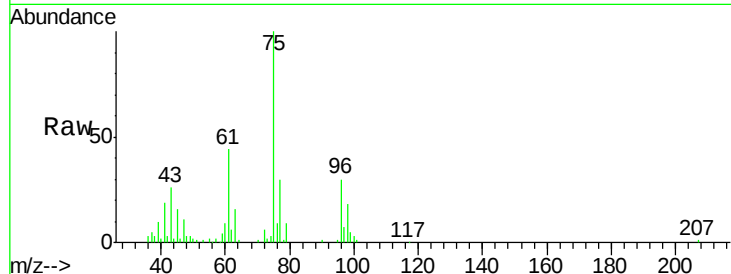


#27

cis-1,2-Dichloroethene
Concen: 5.982 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

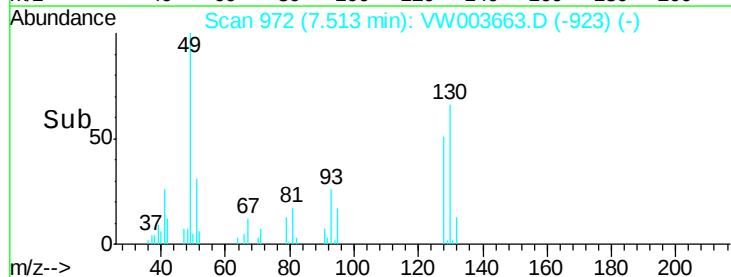
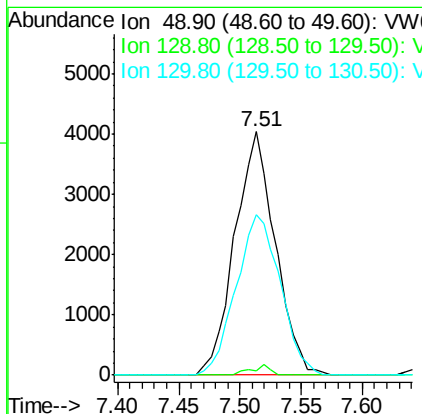
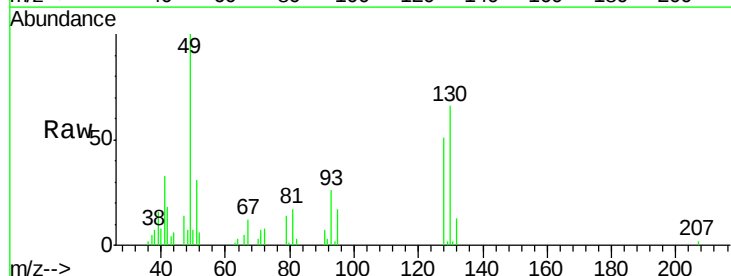
Tot Ion: 96 Resp: 12277
Ion Ratio Lower Upper
96 100
61 166.2 0.0 298.8
98 66.8 0.0 130.4

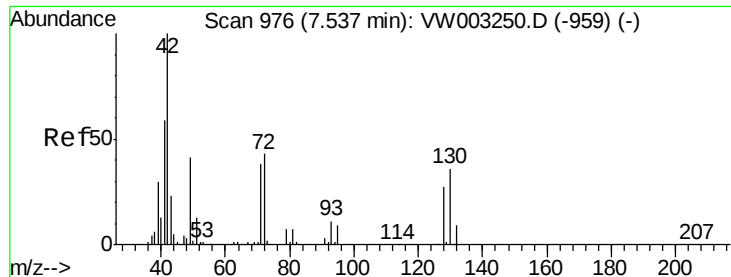


#28

Bromochloromethane
Concen: 6.280 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 49 Resp: 9284
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.6
130 71.7 59.4 89.2

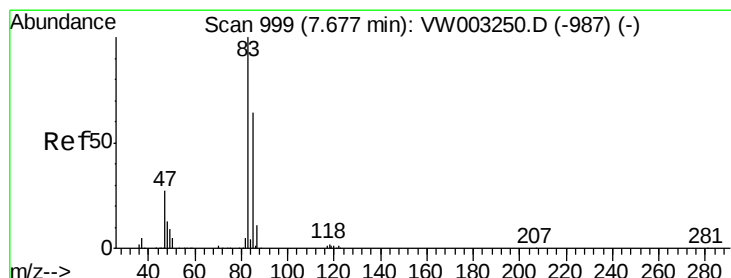
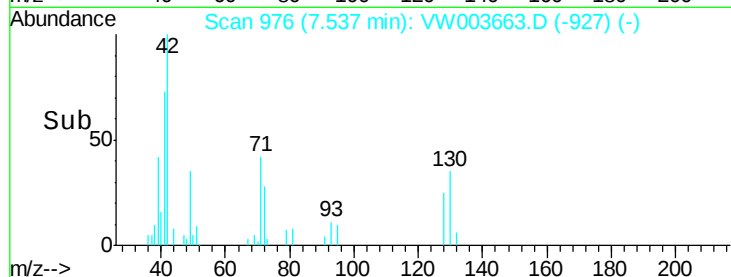
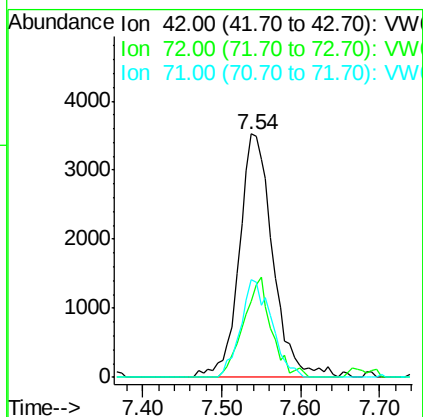
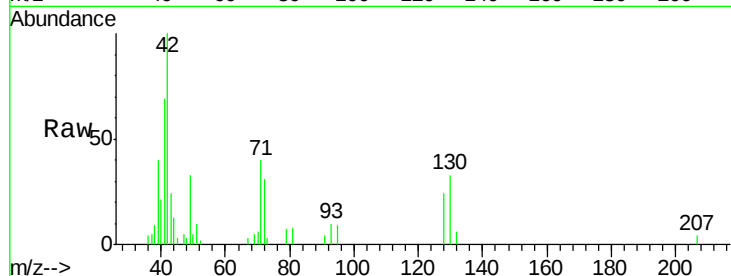




#29
Tetrahydrofuran
Concen: 31.867 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

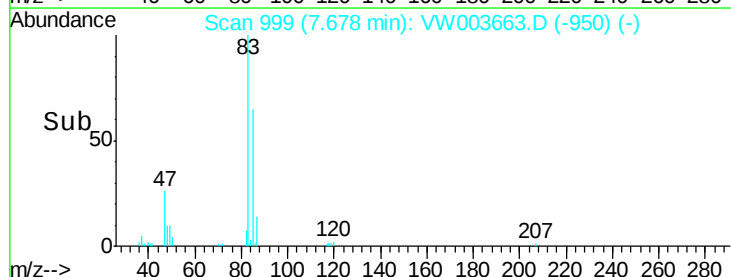
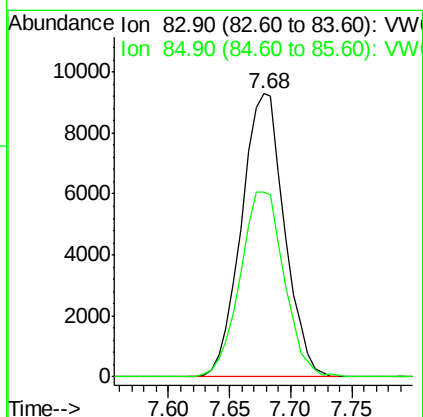
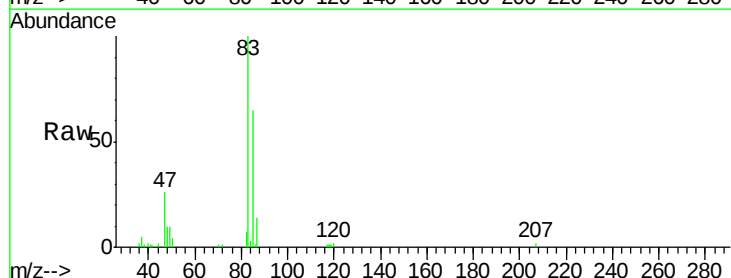
Instrument :
MSVOA_W
ClientSampled :

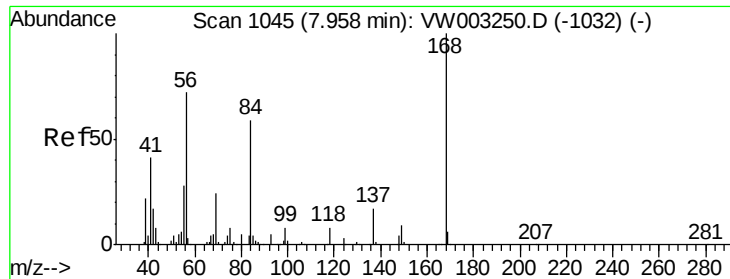
Tot Ion: 42 Resp: 10433
Ion Ratio Lower Upper
42 100
72 34.3 32.4 48.6
71 36.8 31.2 46.8



#30
Chloroform
Concen: 6.274 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 83 Resp: 22710
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9

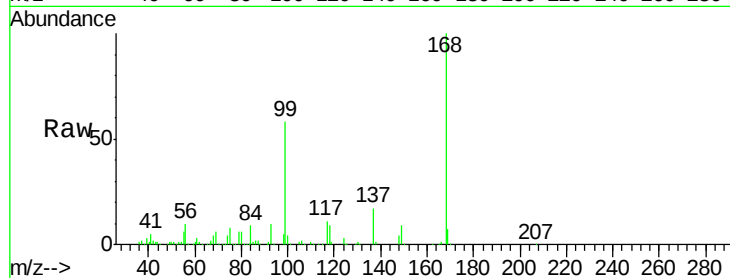




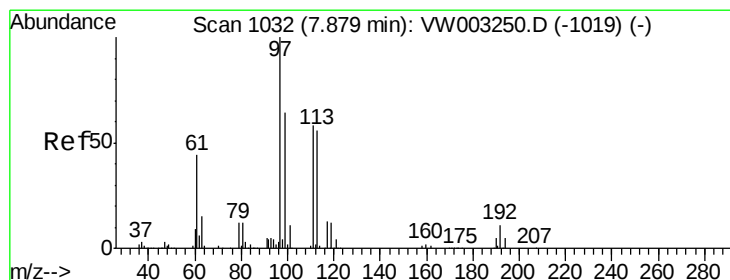
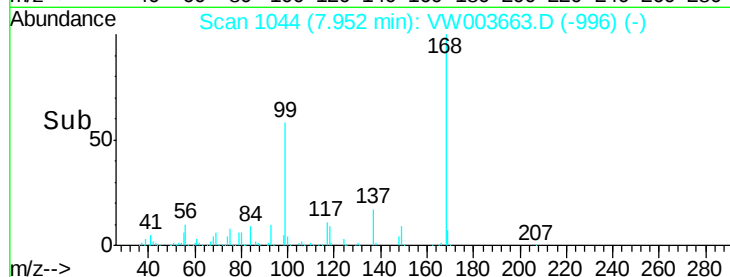
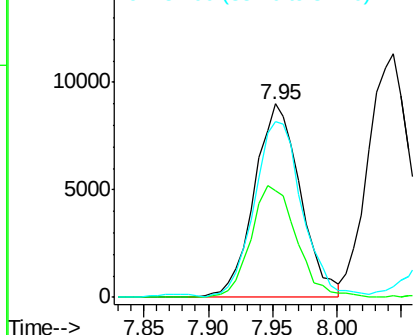
#31
Cyclohexane
Concen: 6.730 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 22339
Ion Ratio Lower Upper
56 100
69 55.2 26.3 39.5#
84 89.5 65.7 98.5

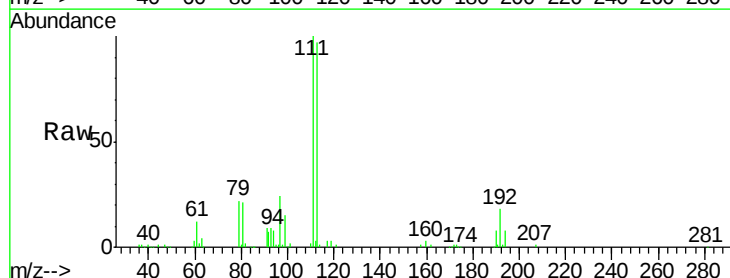


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

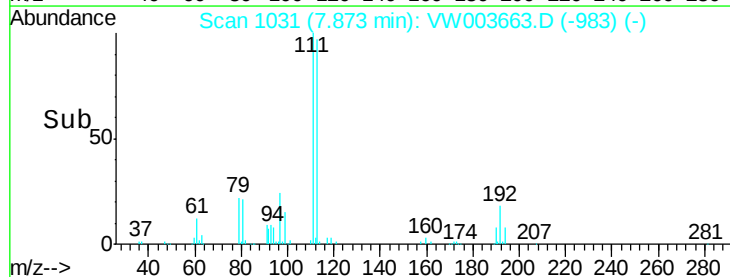
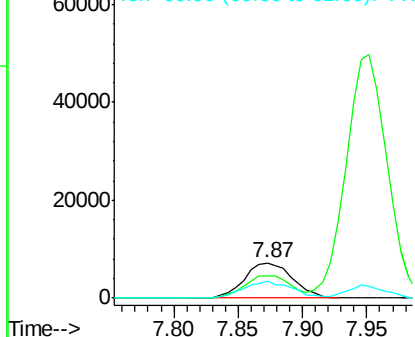


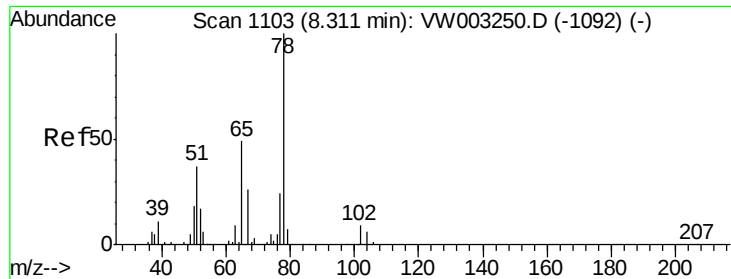
#32
1,1,1-Trichloroethane
Concen: 6.240 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 97 Resp: 18642
Ion Ratio Lower Upper
97 100
99 63.2 51.7 77.5
61 47.9 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: 55.583 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

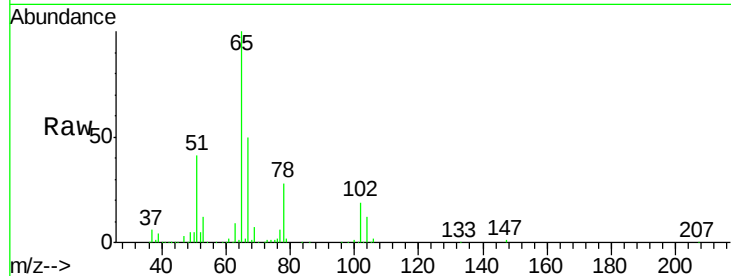
ClientSampleId :

Tot Ion: 65 Resp: 114172

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

50000

40000

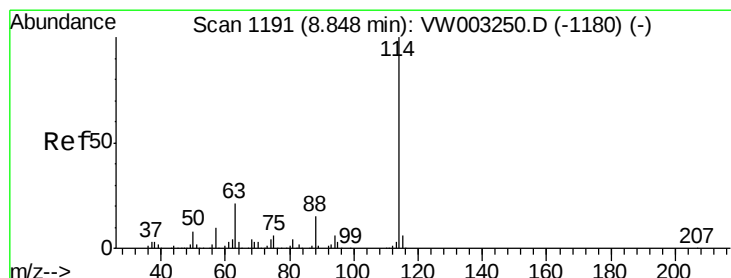
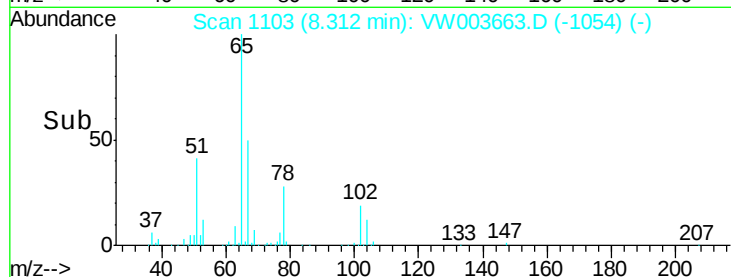
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

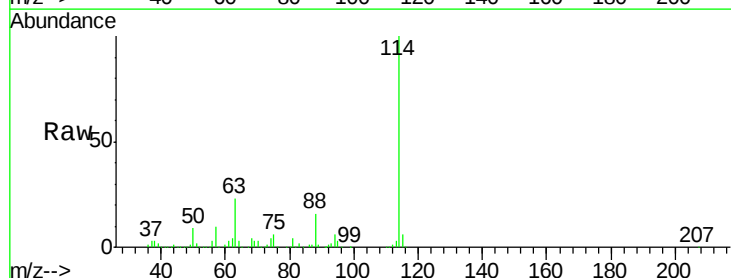
Tgt Ion: 114 Resp: 305022

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.0

88 15.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

200000

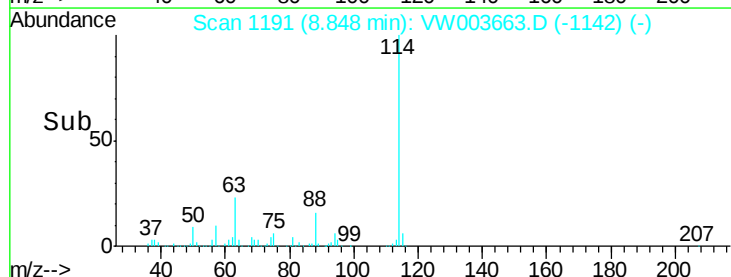
150000

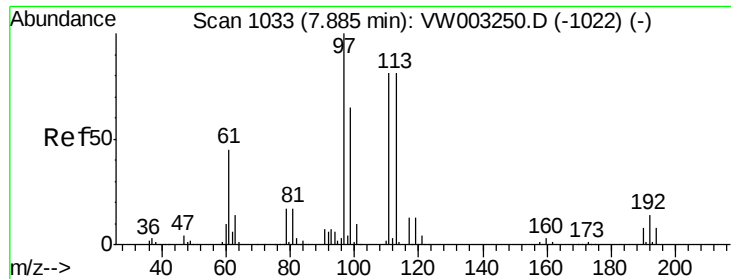
100000

50000

0

Time--> 8.70 8.80 8.90 9.00

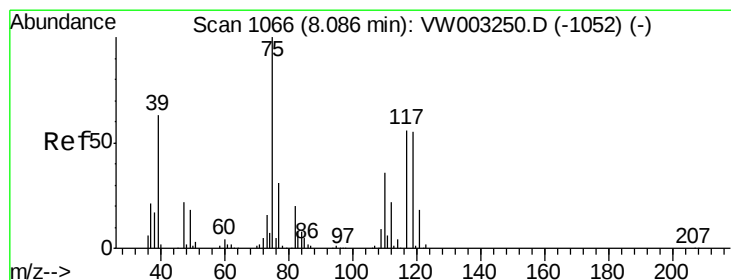
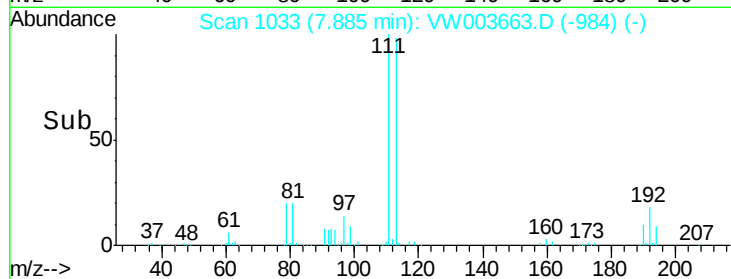
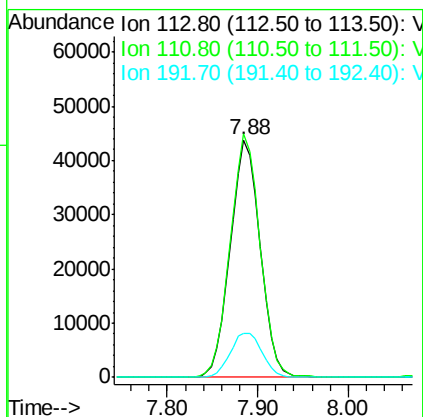
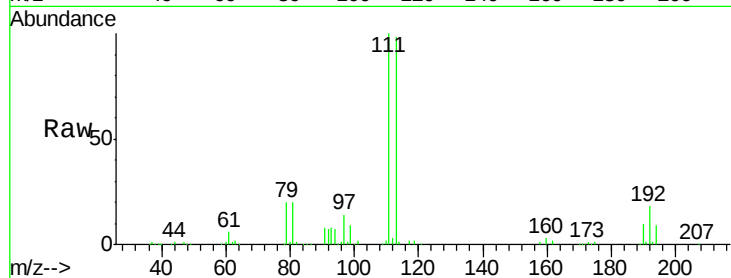




#35
 Dibromofluoromethane
 Concen: 53.040 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

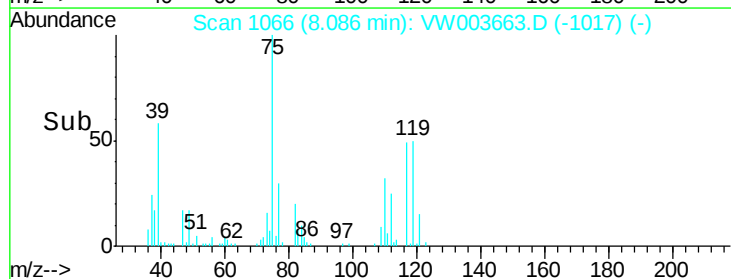
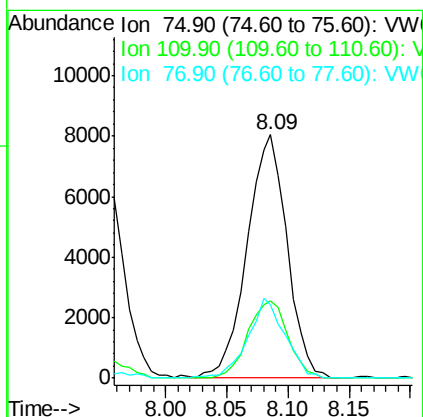
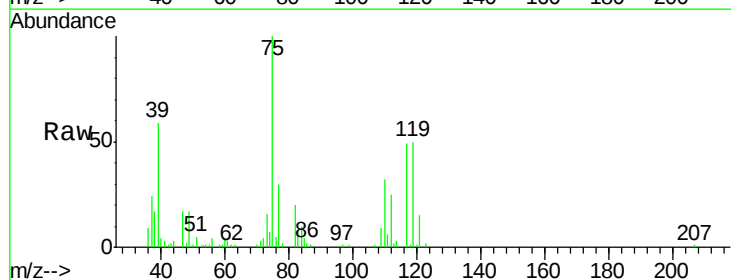
Instrument :
 MSVOA_W
 ClientSampleId :

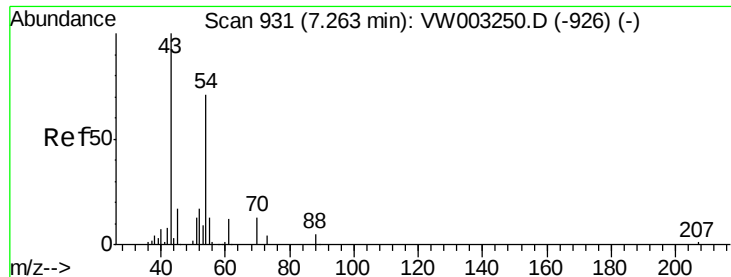
Tot Ion:113 Resp: 100527
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.2
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 6.204 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion: 75 Resp: 18275
 Ion Ratio Lower Upper
 75 100
 110 31.7 17.1 51.3
 77 30.6 24.9 37.3

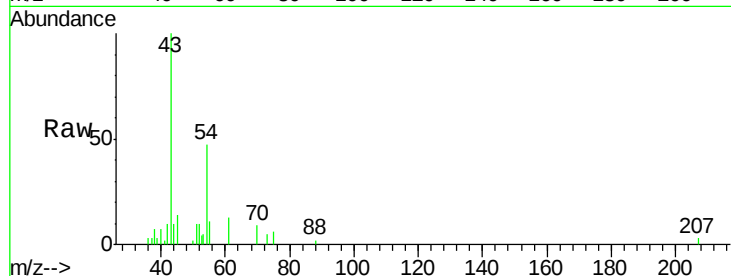




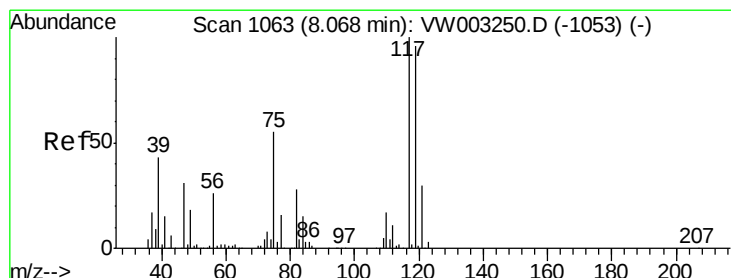
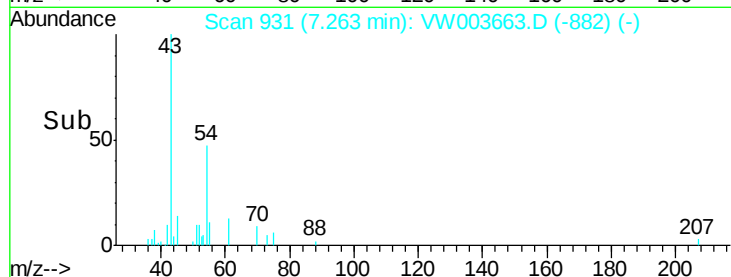
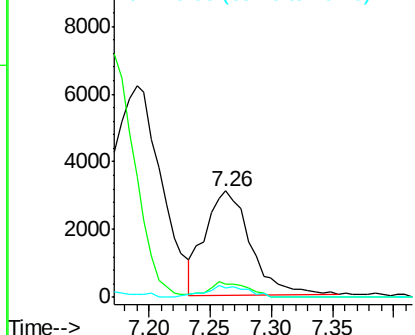
#37
Ethyl Acetate
Concen: 6.615 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 8072
Ion Ratio Lower Upper
43 100
61 12.2 10.8 16.2
70 10.4 7.8 11.6

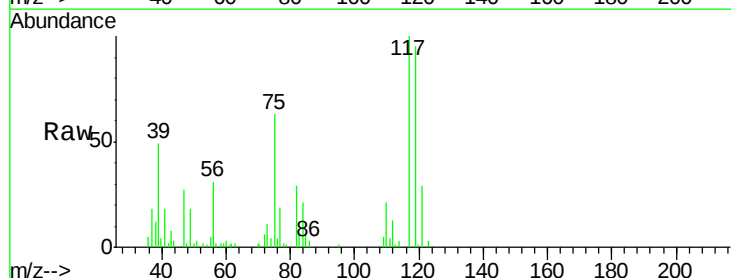


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

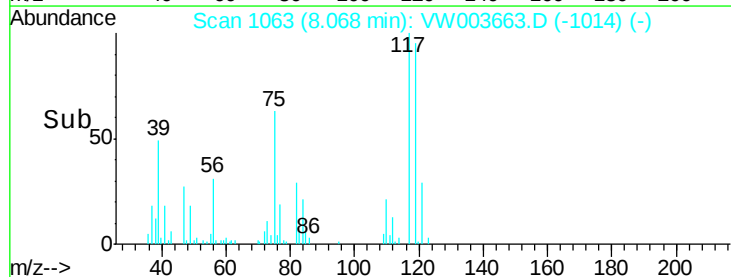
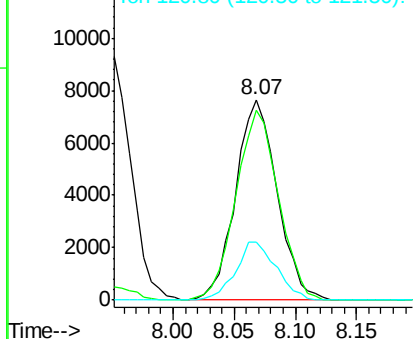


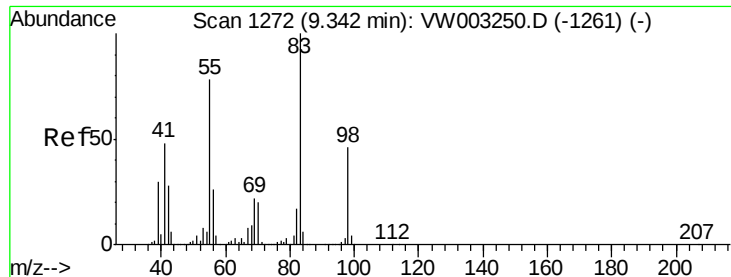
#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 117 Resp: 18037
Ion Ratio Lower Upper
117 100
119 94.9 76.6 115.0
121 29.2 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

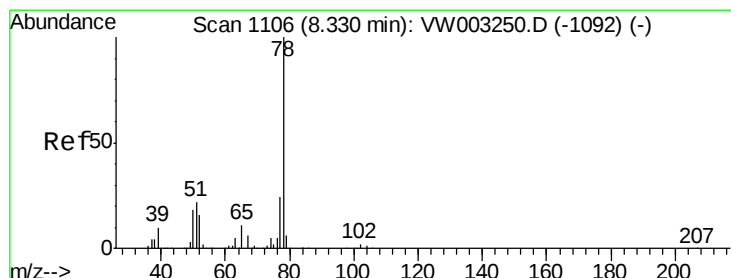
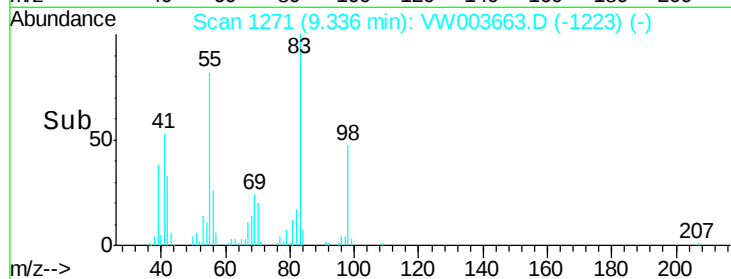
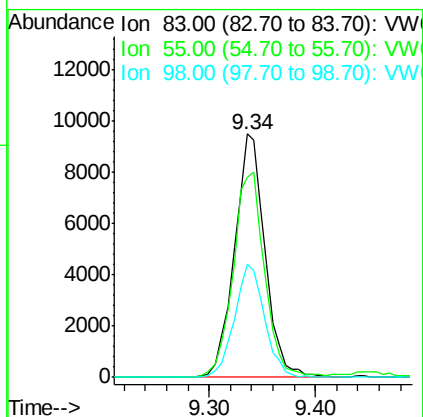
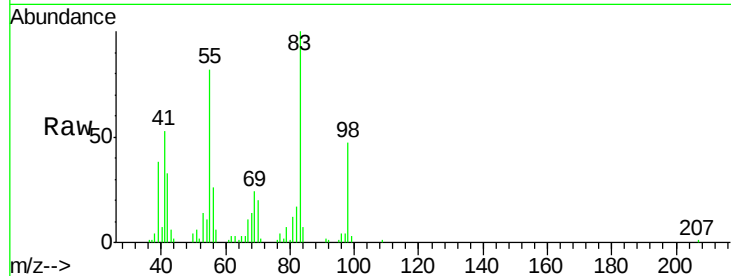




#39
Methvlcvclohexane
Concen: 5.604 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

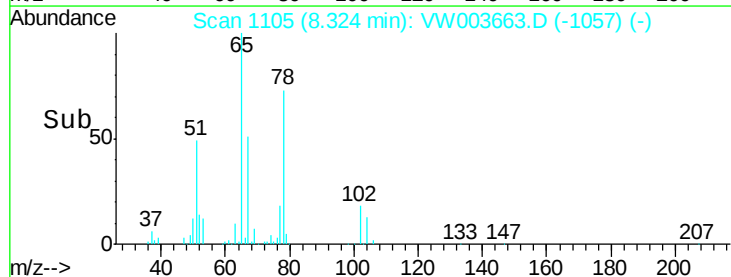
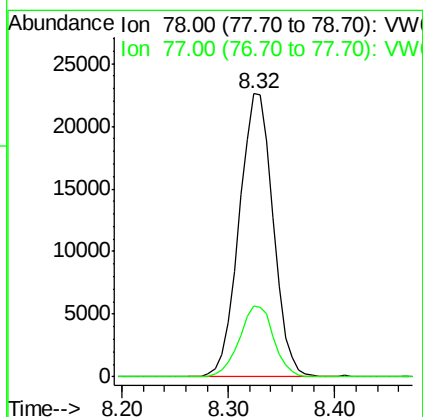
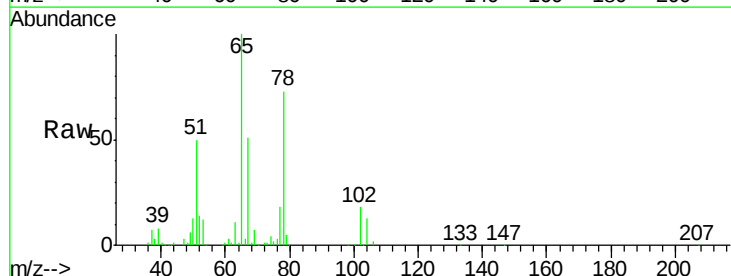
Instrument :
MSVOA_W
ClientSampled :

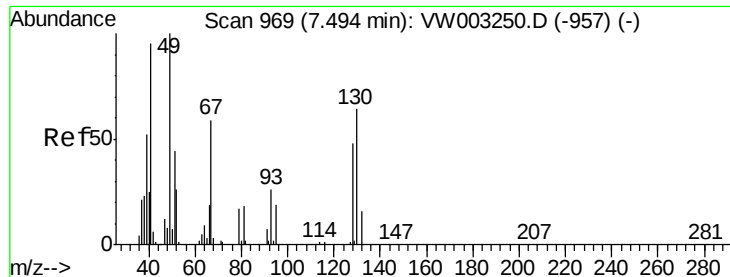
Tot Ion: 83 Resp: 19100
Ion Ratio Lower Upper
83 100
55 82.0 62.6 93.8
98 46.6 37.0 55.4



#40
Benzene
Concen: 6.250 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 78 Resp: 50745
Ion Ratio Lower Upper
78 100
77 25.3 19.0 28.6

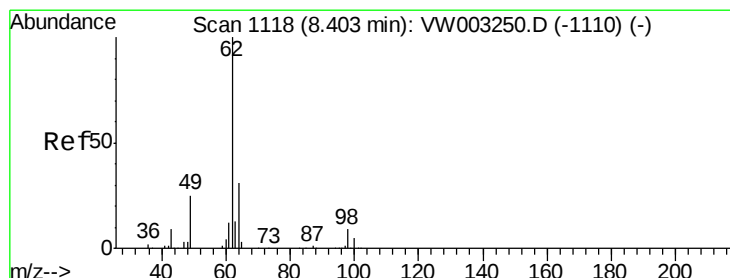
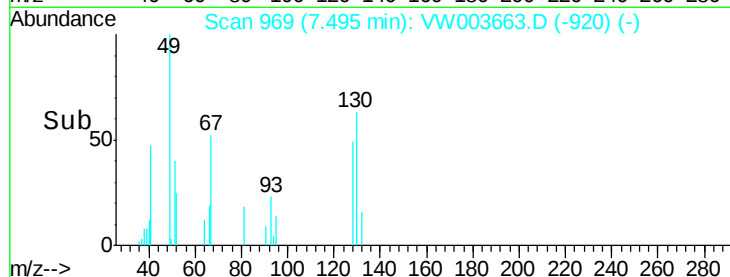
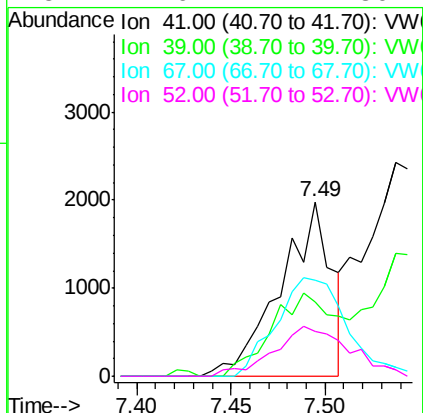
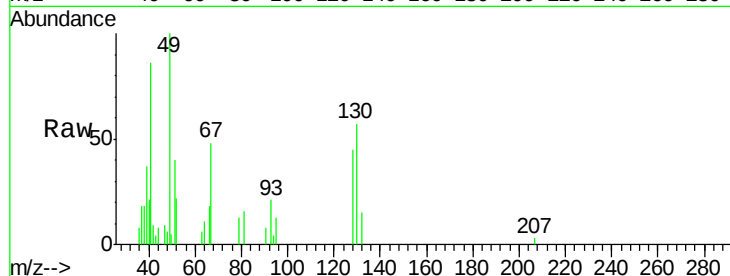




#41
Methacrylonitrile
Concen: 5.013 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

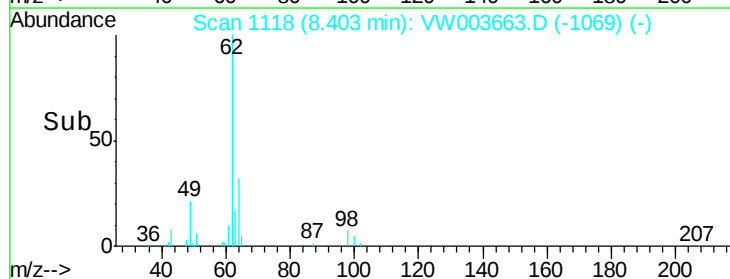
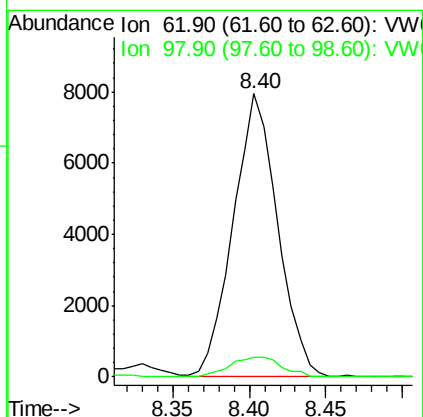
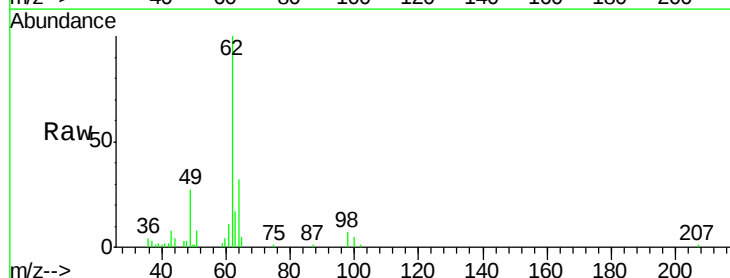
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 3754
Ion Ratio Lower Upper
41 100
39 62.8 45.8 68.8
67 77.0 52.3 78.5
52 41.6 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 6.297 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 62 Resp: 16020
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 6.010 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

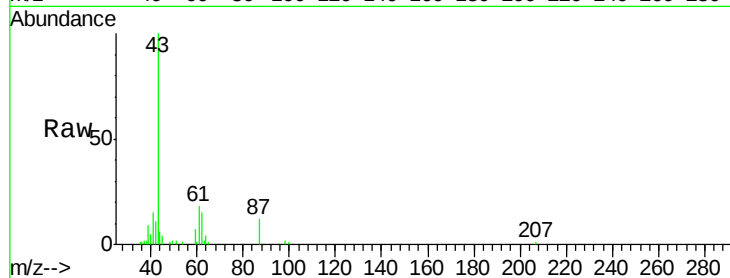
Tot Ion: 43 Resp: 14562

Ion Ratio Lower Upper

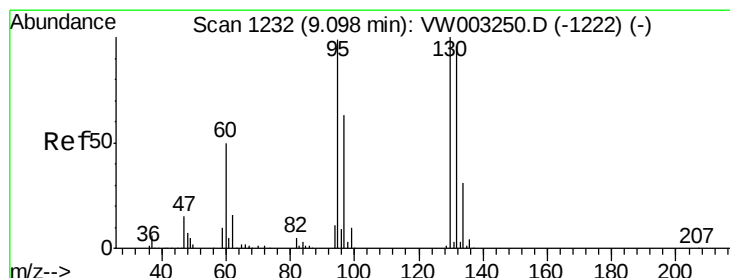
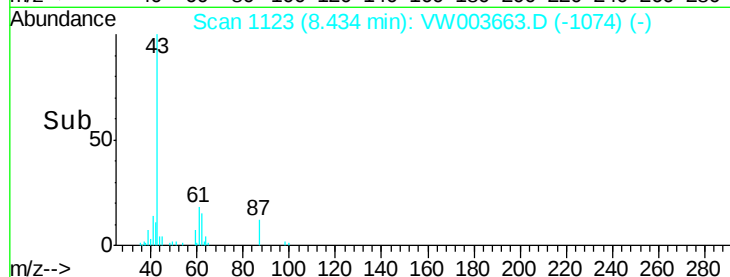
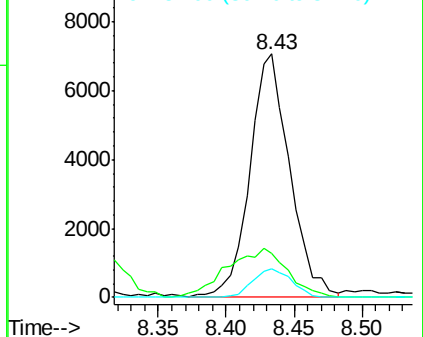
43 100

61 30.3 23.1 34.7

87 11.4 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 6.175 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003663.D

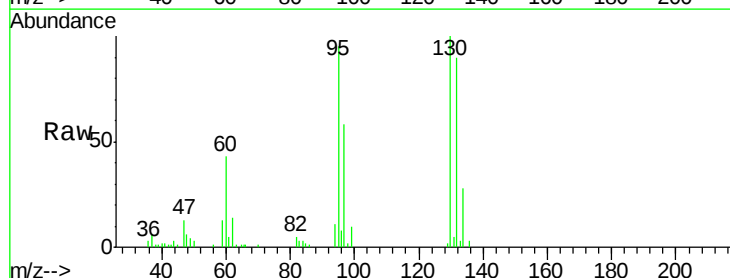
Acq: 29 Jun 2018 16:24

Tgt Ion: 130 Resp: 13286

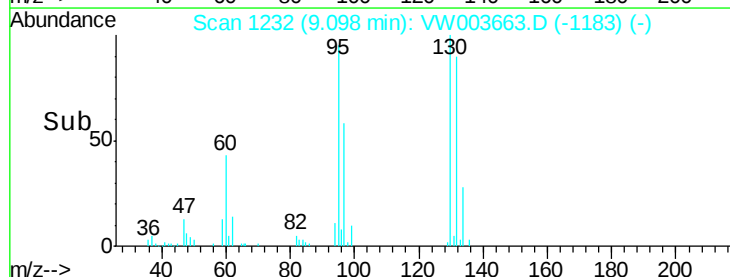
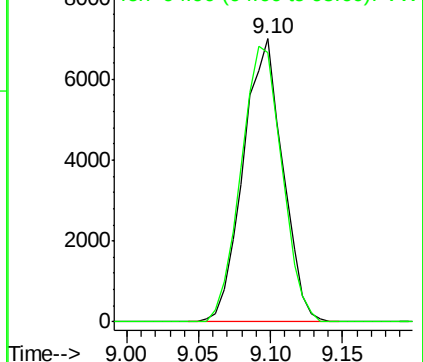
Ion Ratio Lower Upper

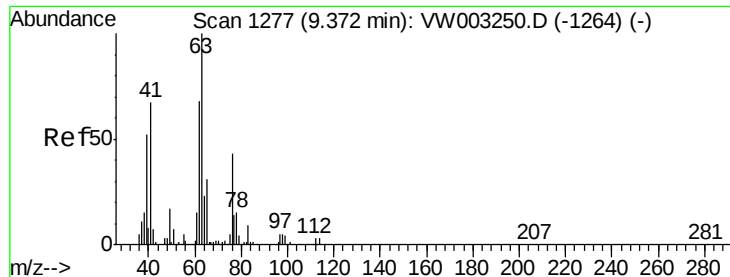
130 100

95 94.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 6.314 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

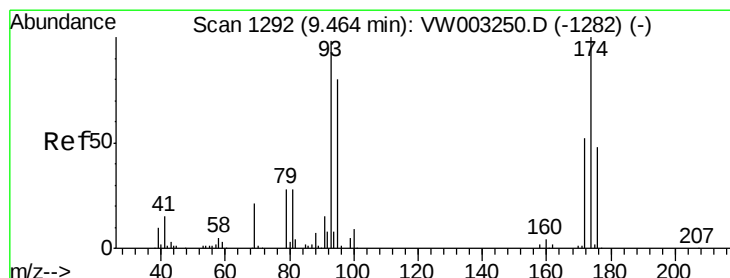
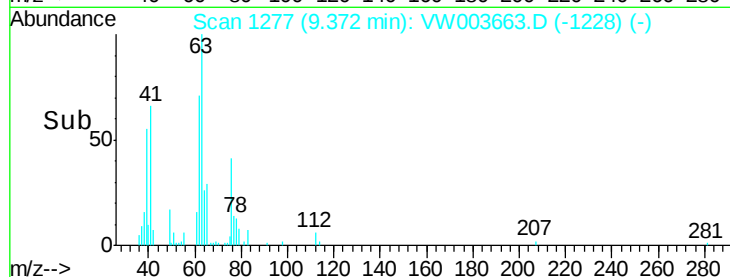
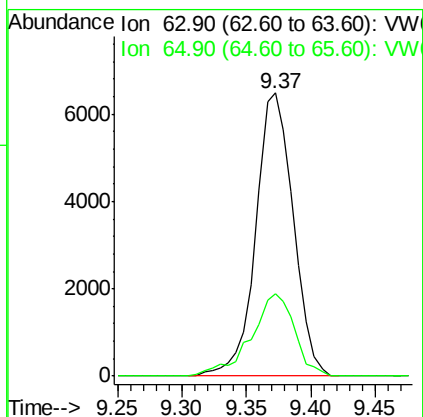
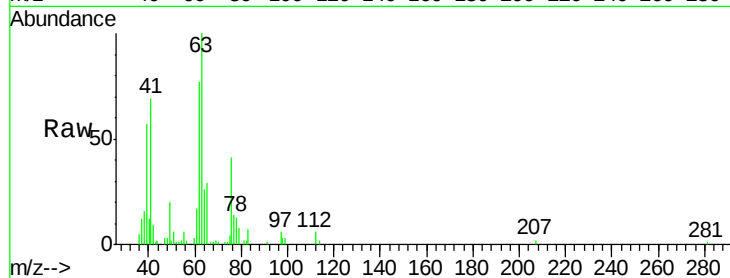
ClientSampleId :

Tot Ion: 63 Resp: 13054

Ion Ratio Lower Upper

63 100

65 28.9 25.1 37.7



#46

Dibromomethane

Concen: 6.450 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

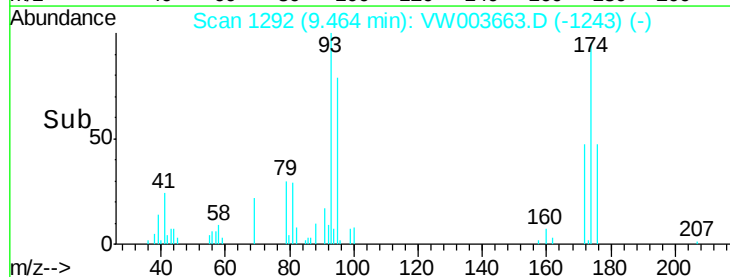
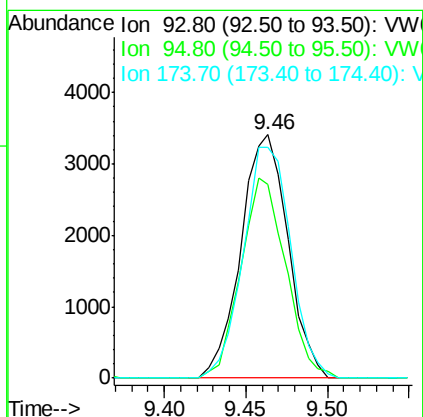
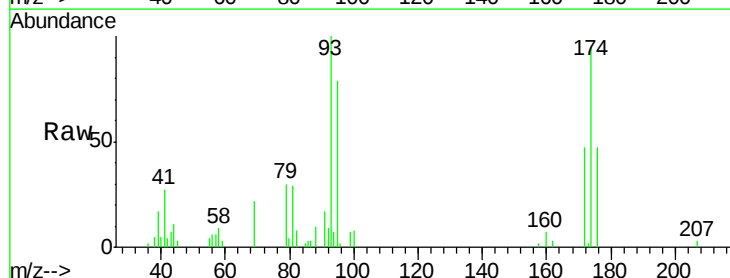
Tgt Ion: 93 Resp: 6827

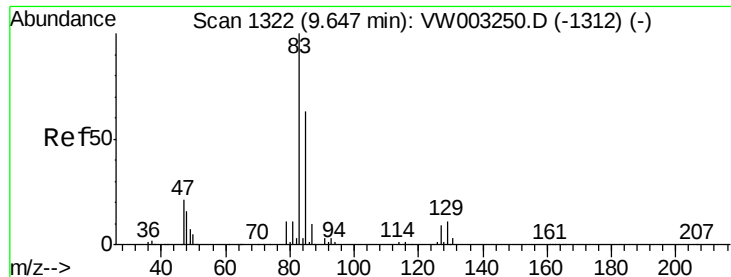
Ion Ratio Lower Upper

93 100

95 78.4 65.8 98.8

174 96.0 81.4 122.0

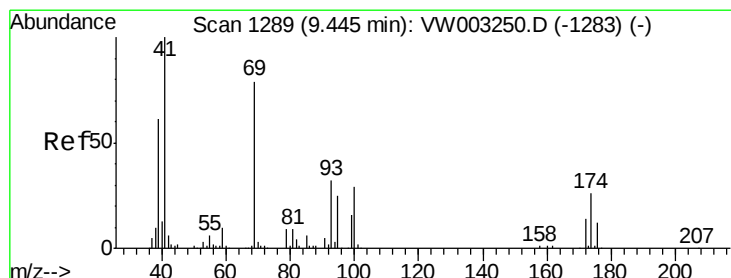
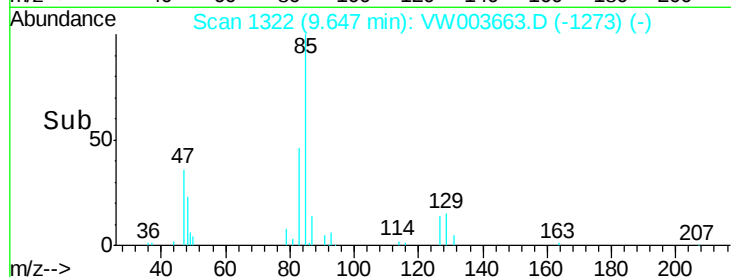
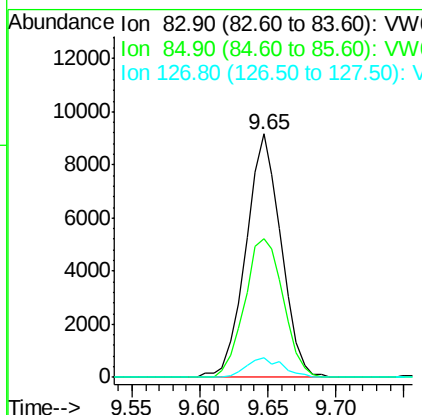
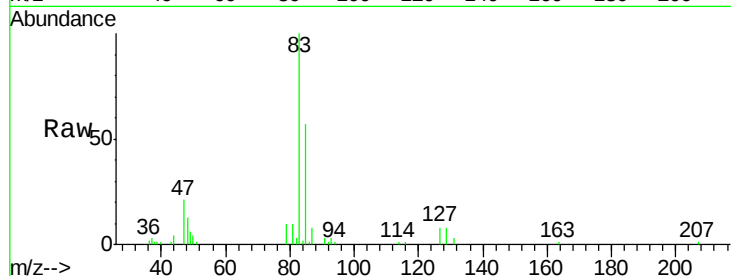




#47
Bromodichloromethane
Concen: 6.104 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

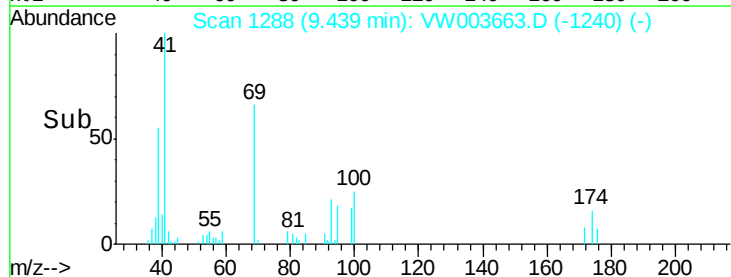
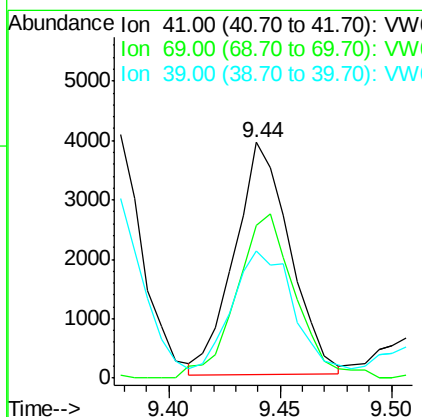
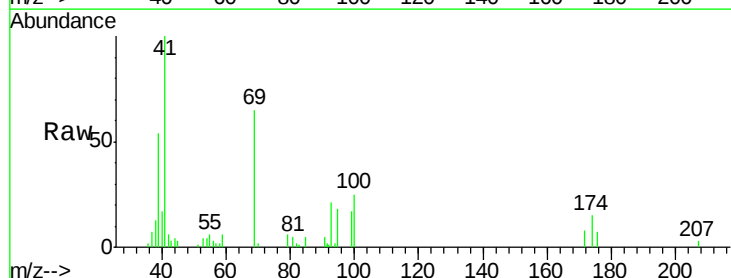
Instrument :
MSVOA_W
ClientSampleId :

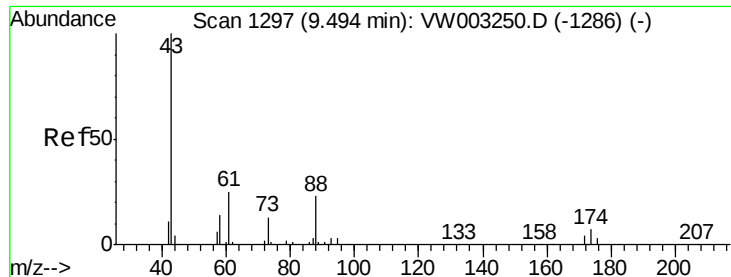
Tot Ion: 83 Resp: 16561
Ion Ratio Lower Upper
83 100
85 57.2 50.6 75.8
127 8.3 6.8 10.2



#48
Methyl methacrylate
Concen: 5.969 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 41 Resp: 6797
Ion Ratio Lower Upper
41 100
69 74.8 65.4 98.2
39 64.0 54.2 81.2





#49

1,4-Dioxane

Concen: 109.064 ug/l

RT: 9.49 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampled :

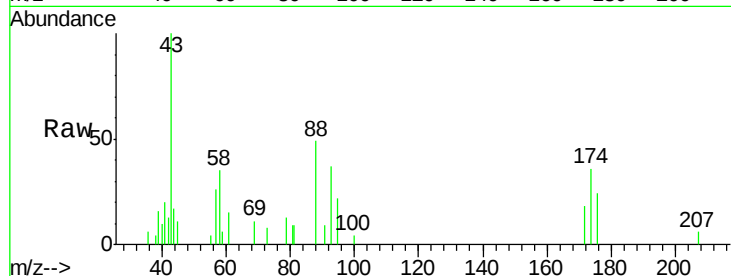
Tot Ion: 88 Resp: 1743

Ion Ratio Lower Upper

88 100

43 0.0 454.7 682.1#

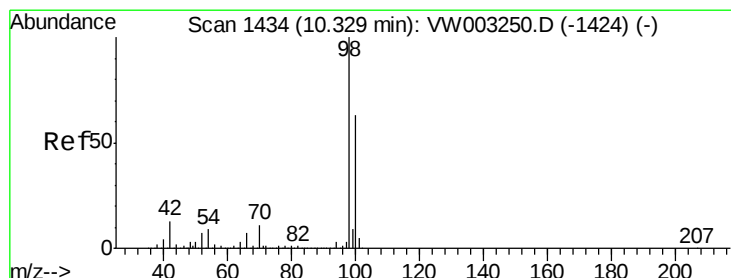
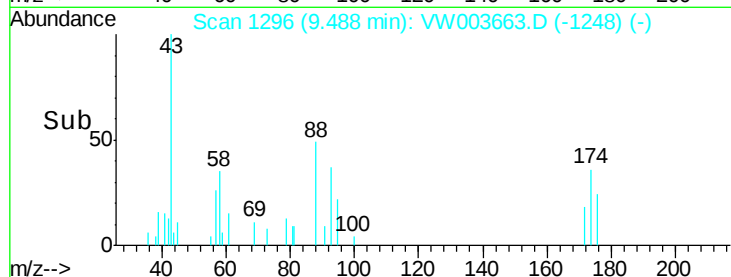
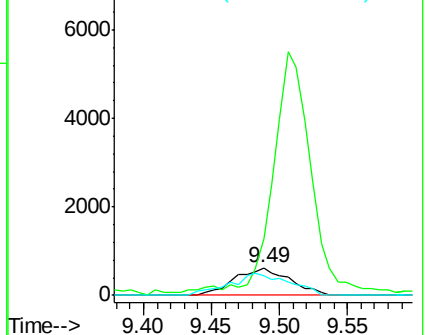
58 86.5 58.6 88.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.460 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003663.D

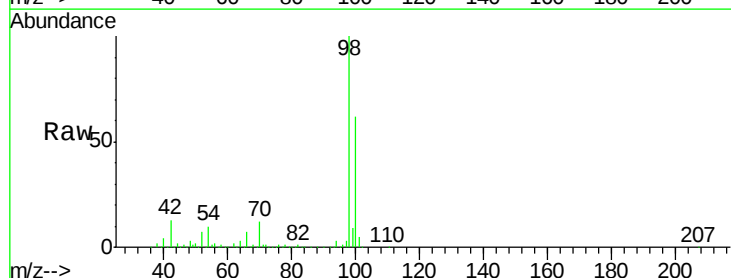
Acq: 29 Jun 2018 16:24

Tgt Ion: 98 Resp: 386742

Ion Ratio Lower Upper

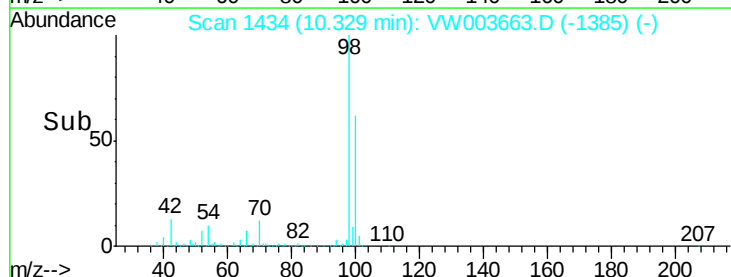
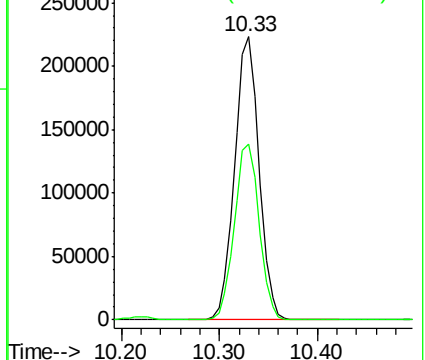
98 100

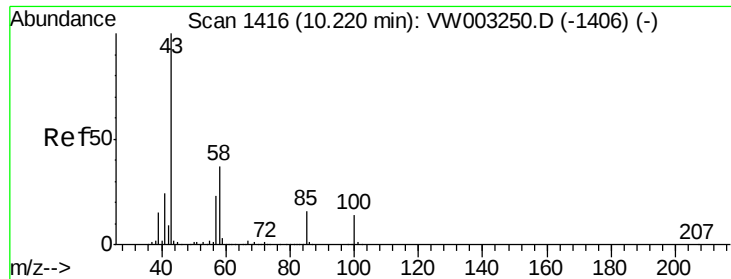
100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 28.290 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

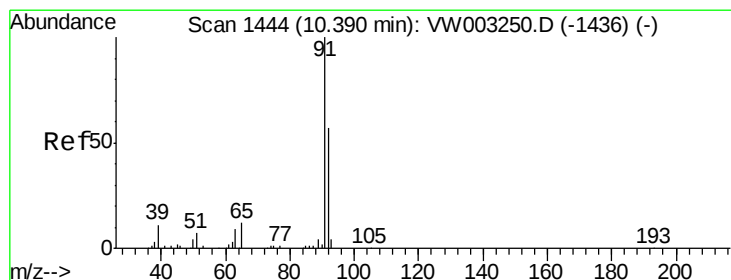
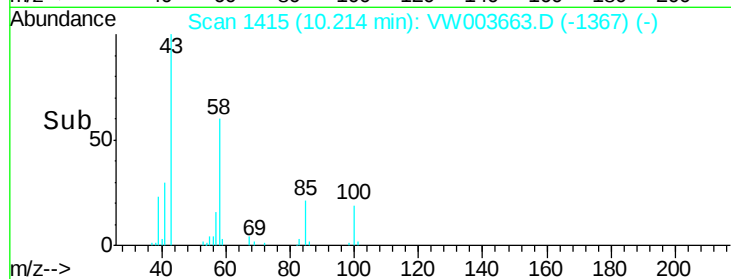
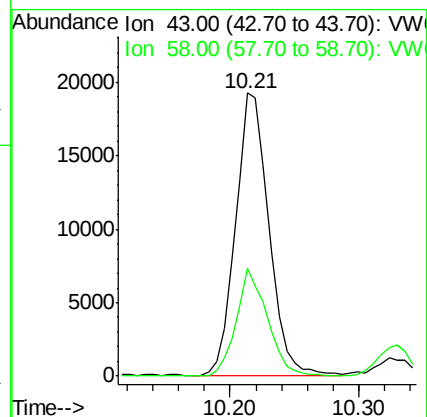
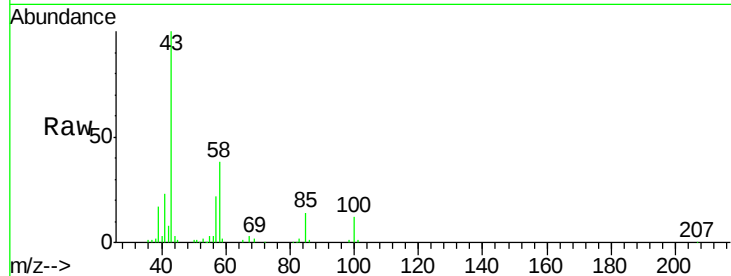
ClientSampled :

Tot Ion: 43 Resp: 34930

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



#52

Toluene

Concen: 6.258 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003663.D

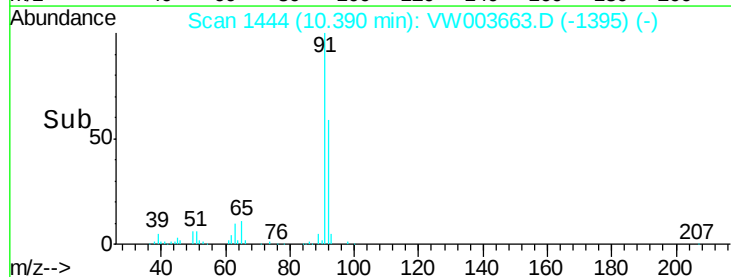
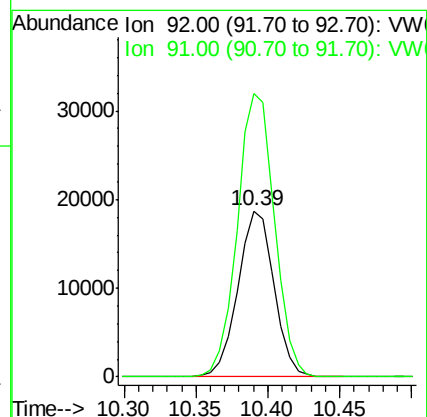
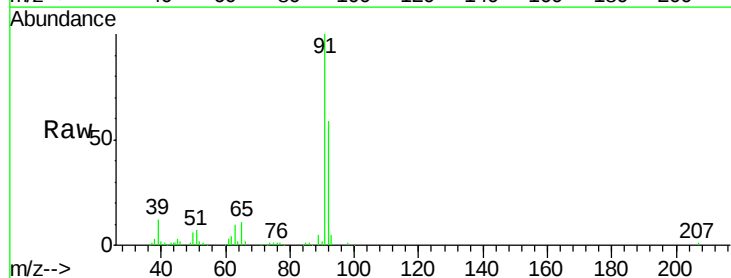
Acq: 29 Jun 2018 16:24

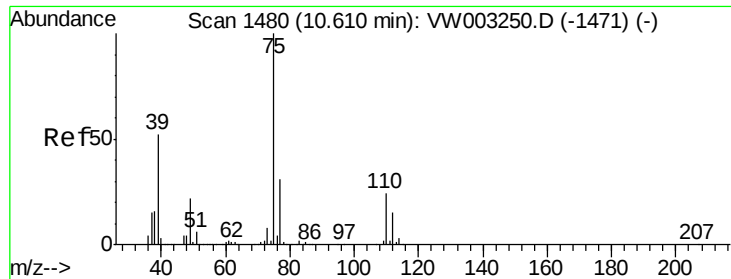
Tgt Ion: 92 Resp: 32582

Ion Ratio Lower Upper

92 100

91 175.4 141.1 211.7

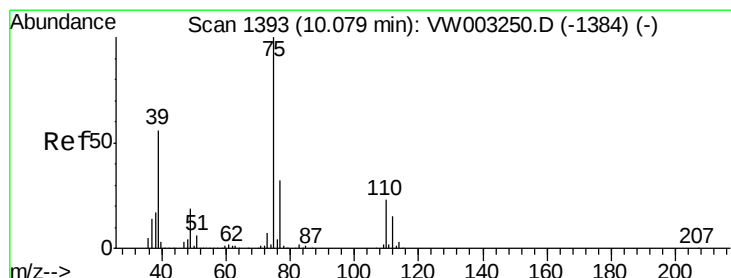
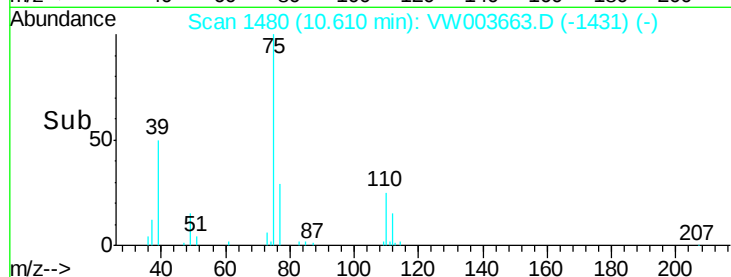
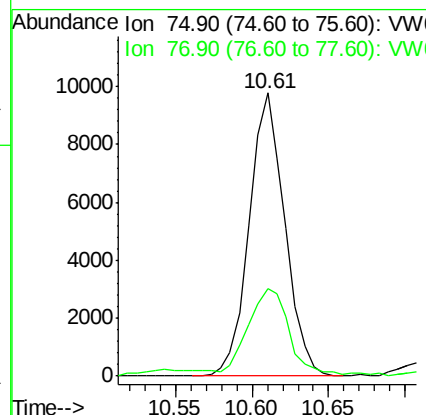
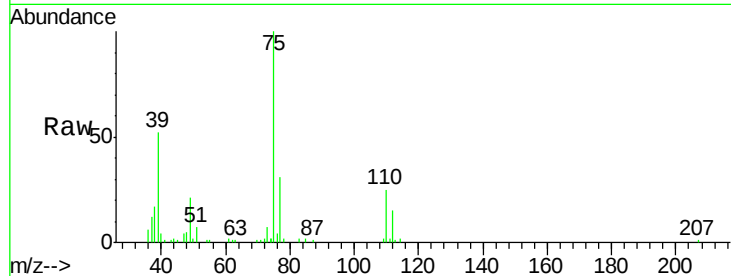




#53
t-1,3-Dichloropropene
Concen: 5.694 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

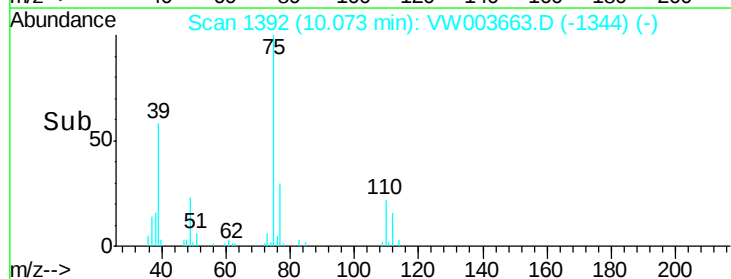
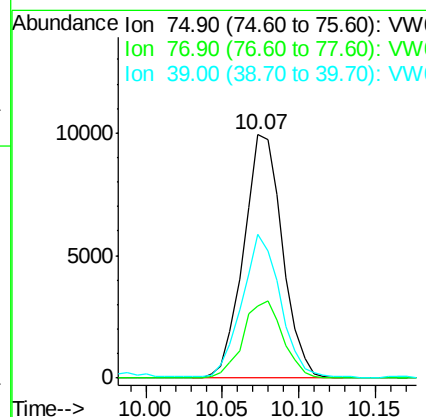
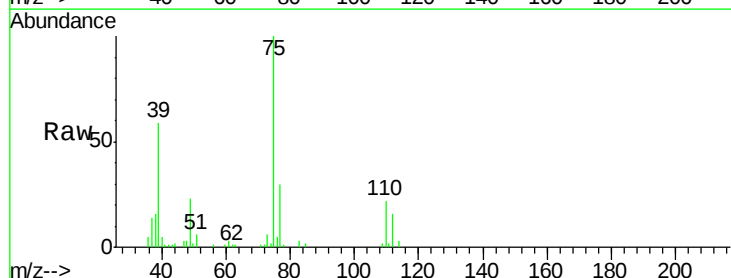
Instrument :
MSVOA_W
ClientSampled :

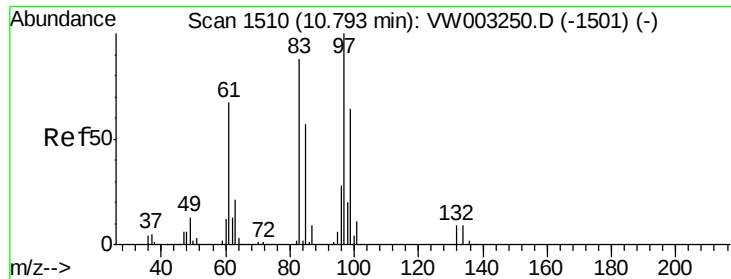
Tot Ion: 75 Resp: 15780
Ion Ratio Lower Upper
75 100
77 30.0 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 5.543 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 75 Resp: 17484
Ion Ratio Lower Upper
75 100
77 29.5 25.8 38.6
39 58.4 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 6.126 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 9137

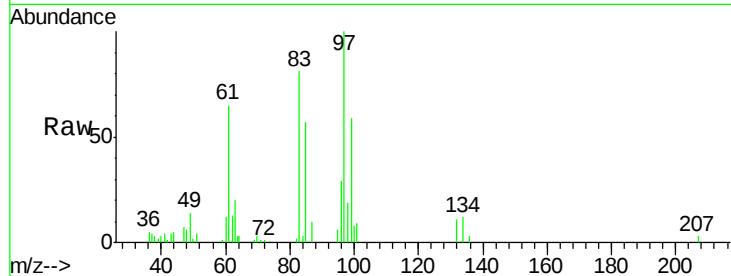
Ion	Ratio	Lower	Upper
97	100		
83	80.6	70.2	105.2
85	57.2	45.6	68.4
99	59.3	51.2	76.8

97 100

83 80.6 70.2 105.2

85 57.2 45.6 68.4

99 59.3 51.2 76.8



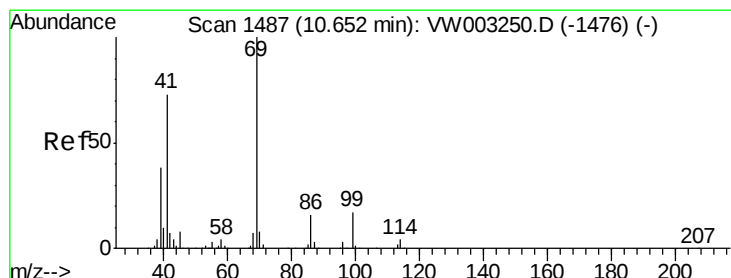
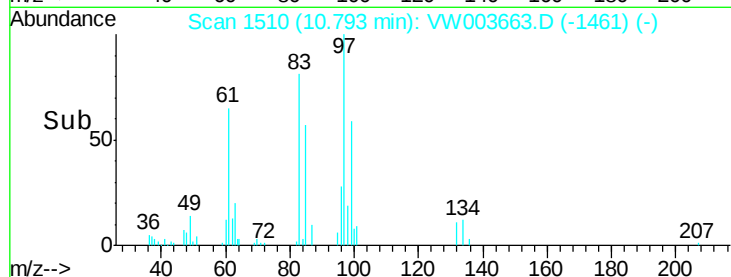
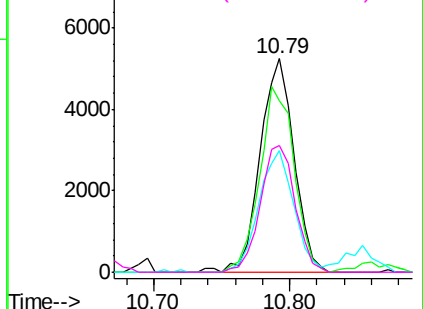
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 5.240 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

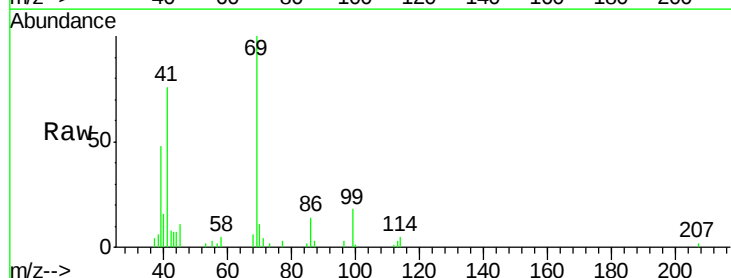
Tgt Ion: 69 Resp: 9490

Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.8	86.6
39	40.9	32.7	49.1

69 100

41 73.5 57.8 86.6

39 40.9 32.7 49.1

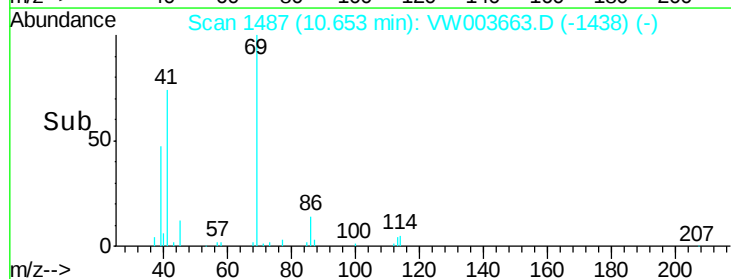
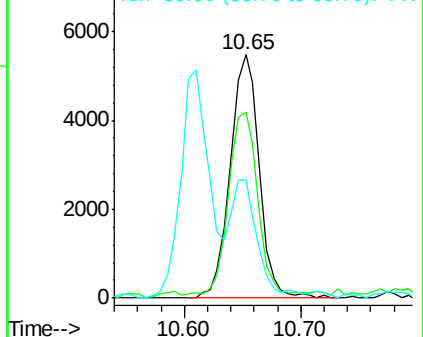


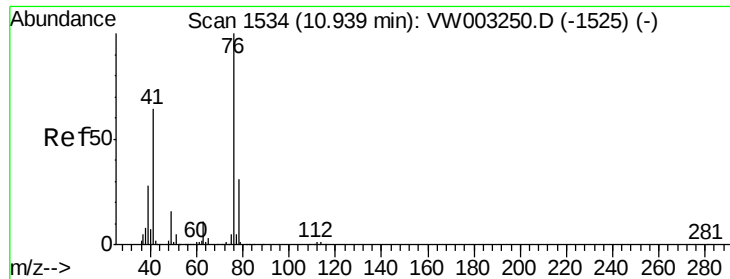
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

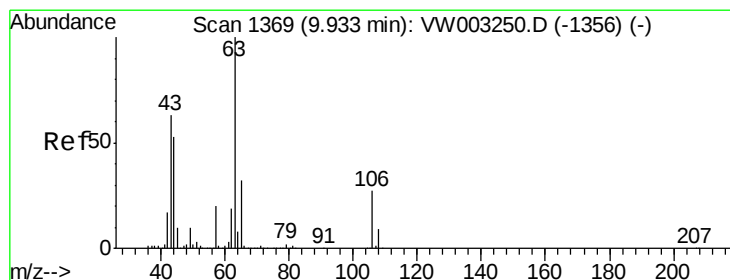
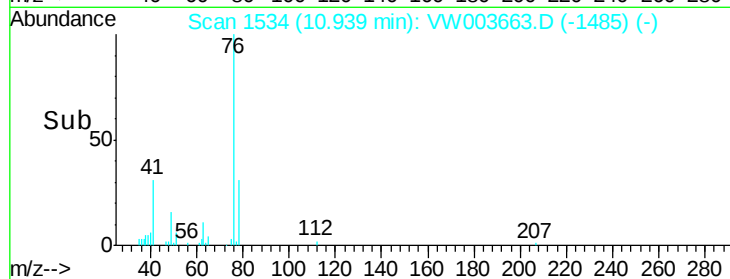
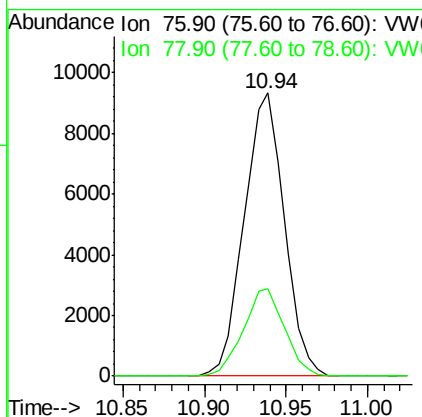
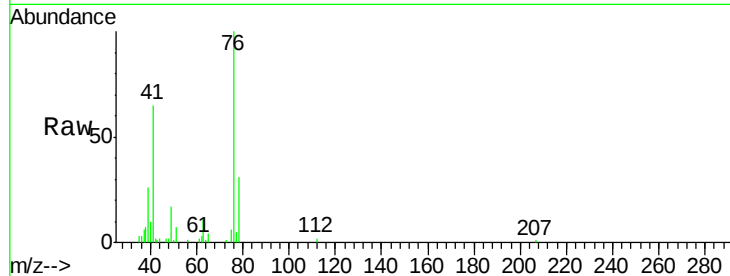




#57
 1,3-Dichloropropane
 Concen: 6.210 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

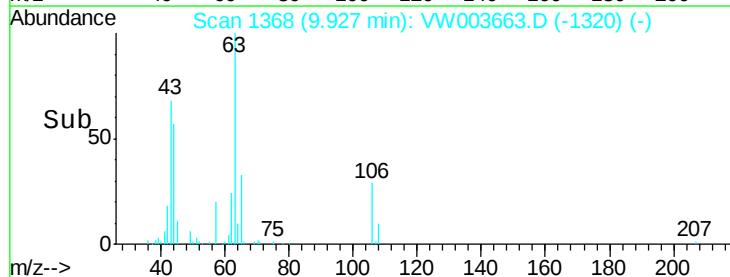
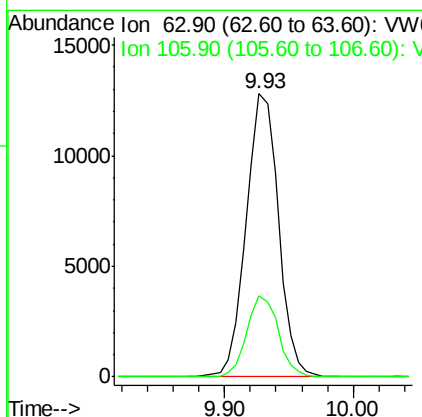
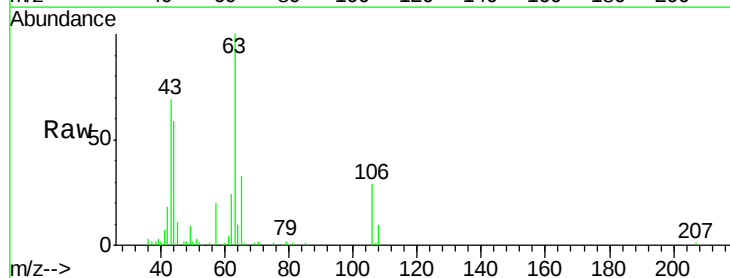
Instrument :
 MSVOA_W
 ClientSampled :

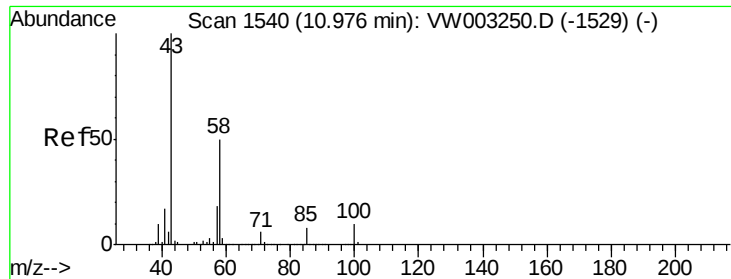
Tot Ion: 76 Resp: 15975
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.234 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion: 63 Resp: 22112
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.8

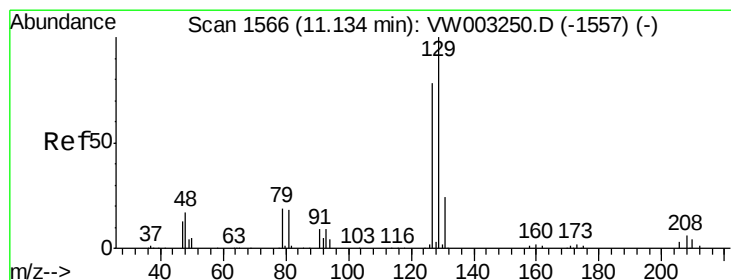
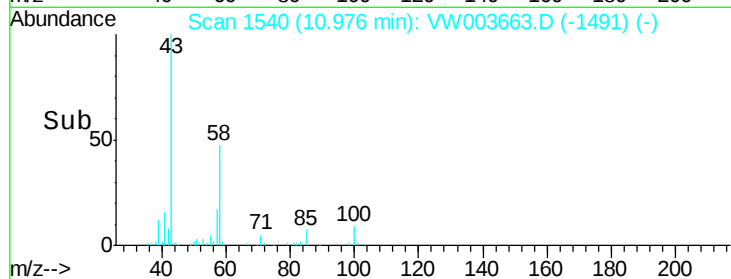
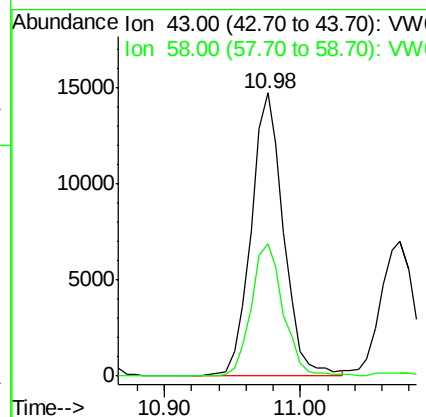
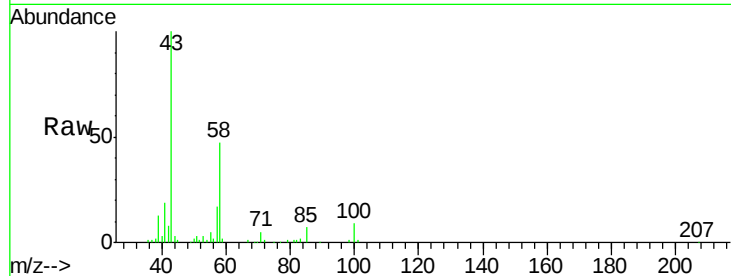




#59
2-Hexanone
Concen: 28.474 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

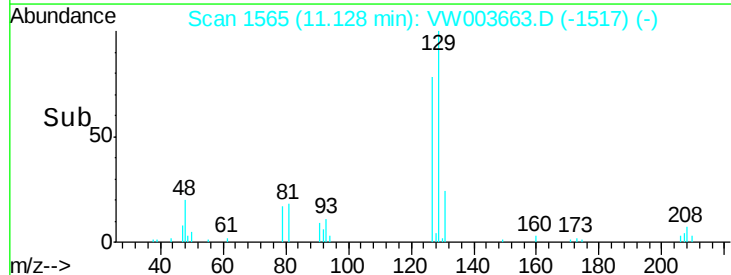
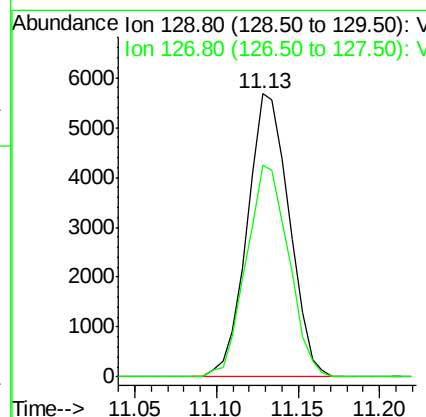
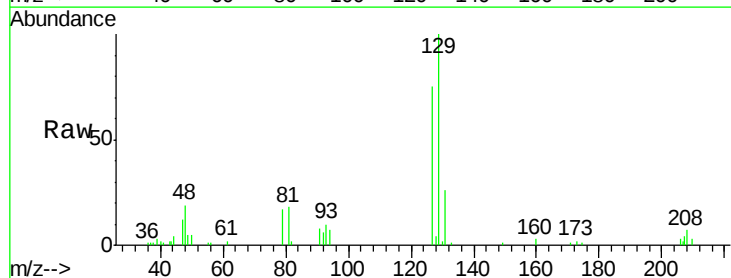
Instrument :
MSVOA_W
ClientSampleId :

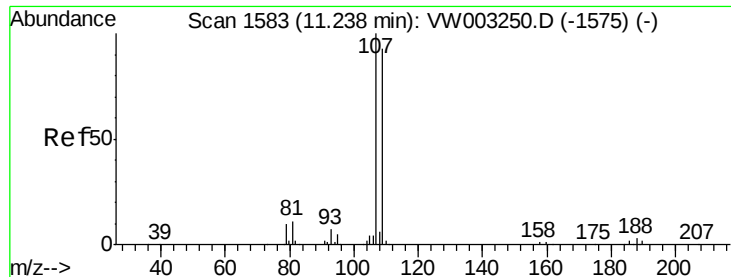
Tot Ion: 43 Resp: 24561
Ion Ratio Lower Upper
43 100
58 46.4 25.0 75.0



#60
Dibromochloromethane
Concen: 5.719 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 129 Resp: 10144
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.5





#61

1,2-Dibromoethane

Concen: 5.905 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

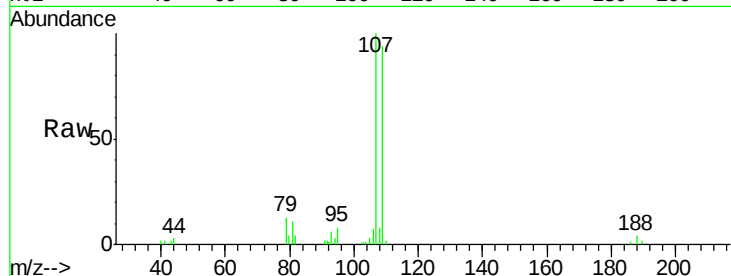
ClientSampleId :

Tot Ion: 107 Resp: 8331

Ion Ratio Lower Upper

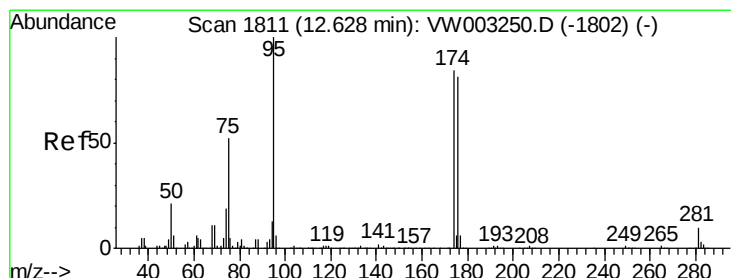
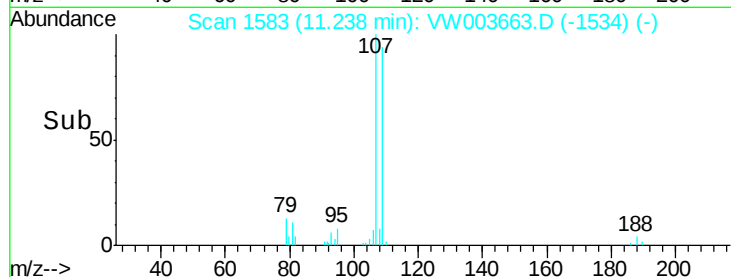
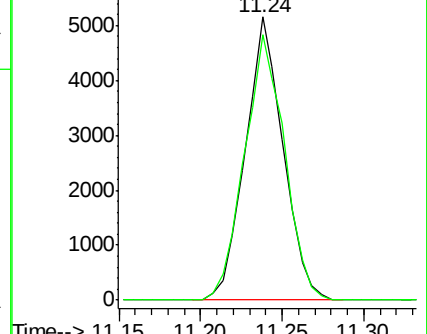
107 100

109 99.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.821 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

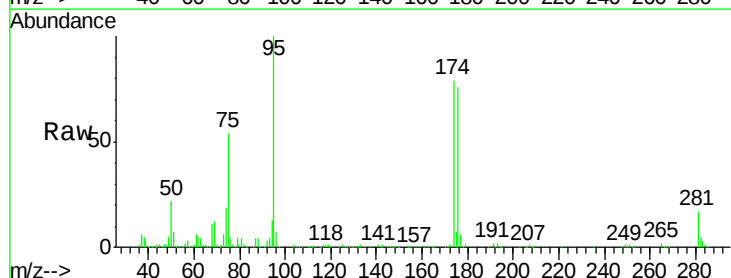
Tgt Ion: 95 Resp: 135163

Ion Ratio Lower Upper

95 100

174 83.4 0.0 166.4

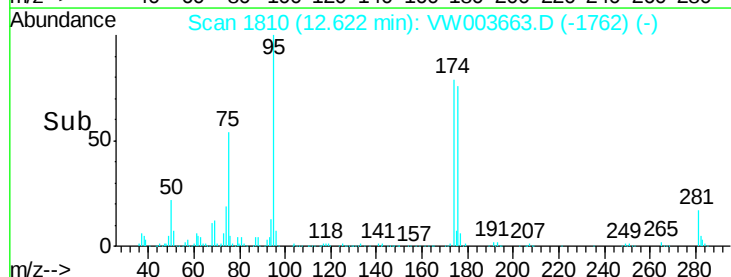
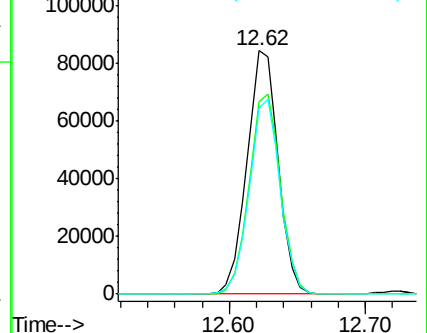
176 79.8 0.0 162.0

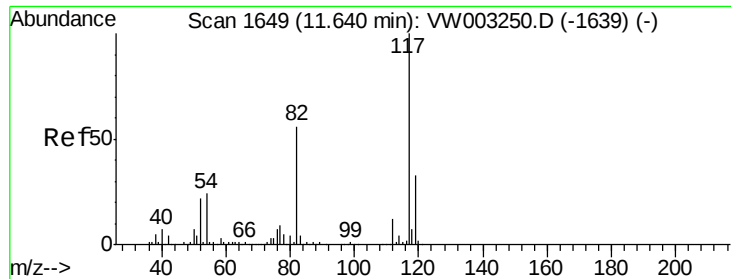


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

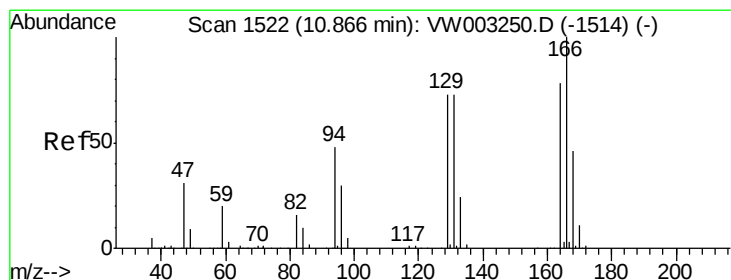
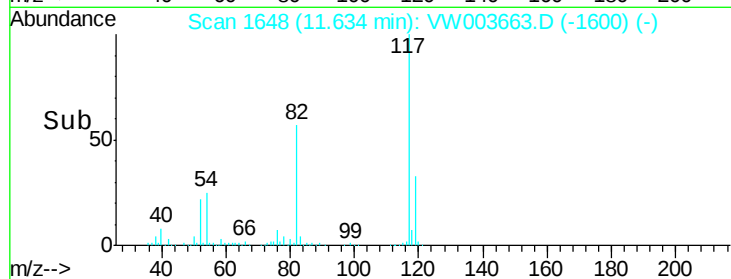
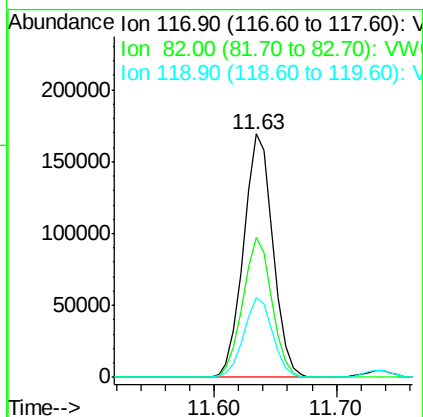
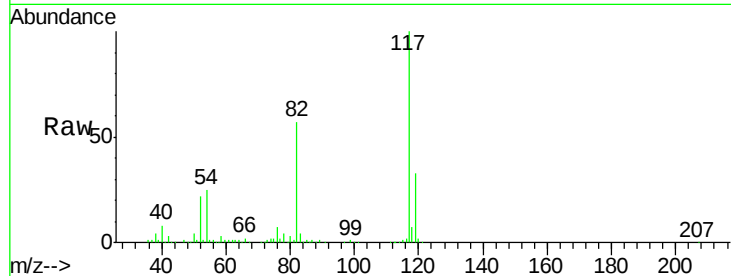




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

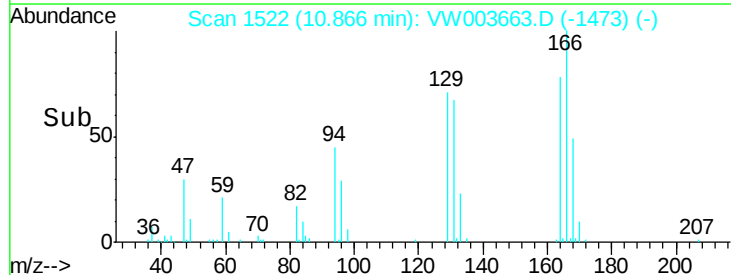
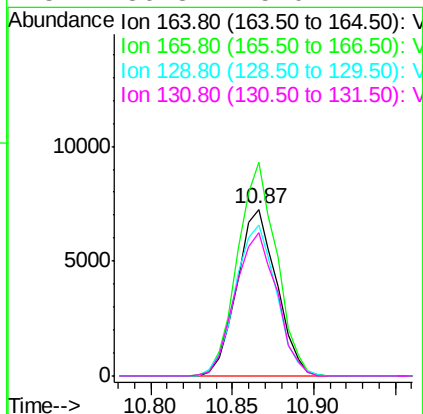
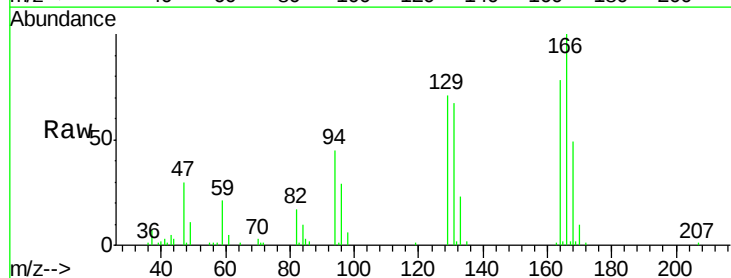
Instrument :
MSVOA_W
ClientSampleId :

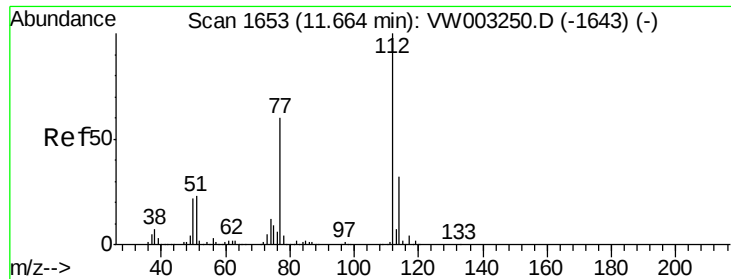
Tot Ion:117 Resp: 281746
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 32.7 26.7 40.1



#64
Tetrachloroethene
Concen: 6.505 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:164 Resp: 12258
Ion Ratio Lower Upper
164 100
166 128.0 102.6 154.0
129 90.3 75.2 112.8
131 86.3 75.0 112.4

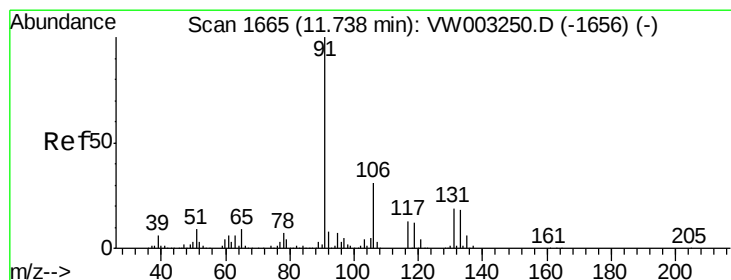
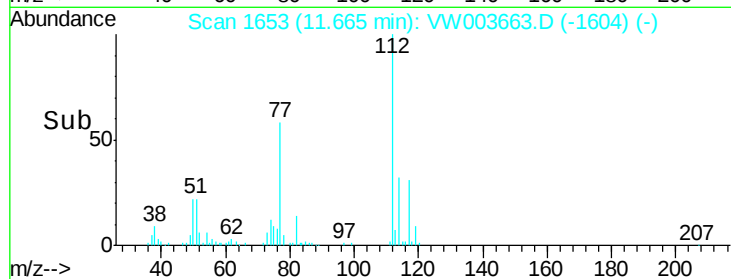
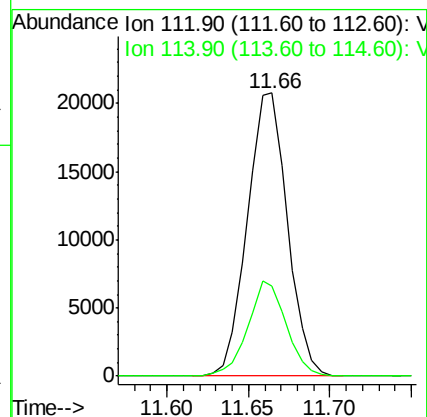
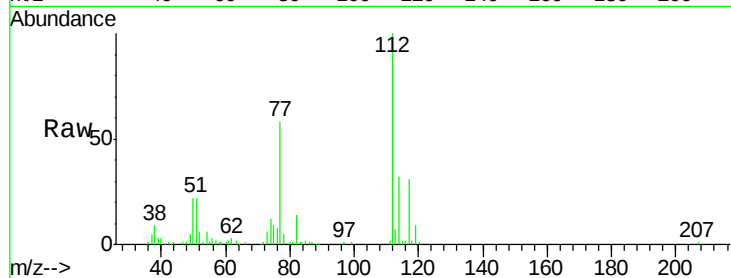




#65
Chlorobenzene
Concen: 6.052 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

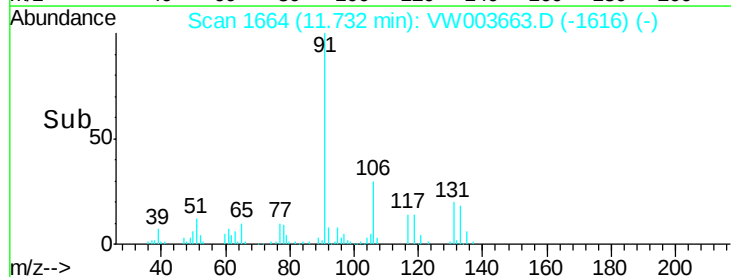
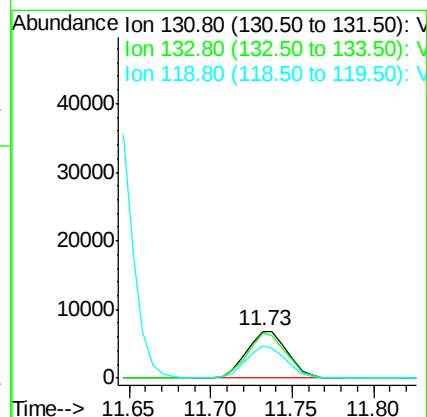
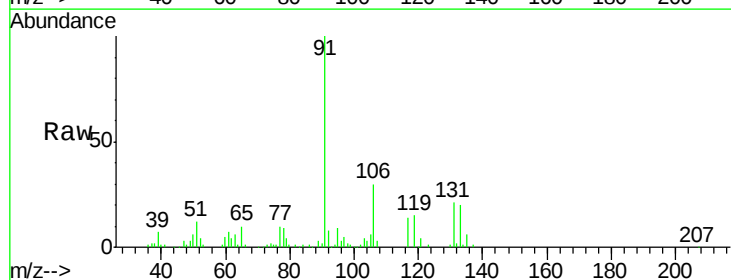
Instrument :
MSVOA_W
ClientSampleId :

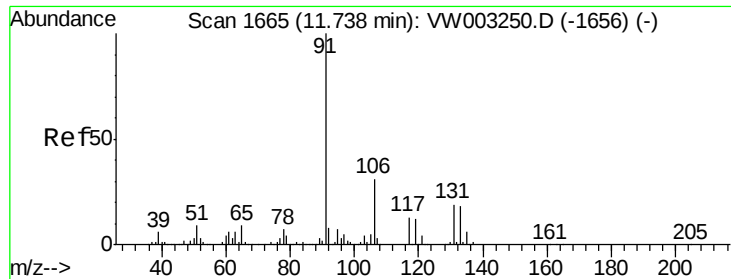
Tot Ion:112 Resp: 35508
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.752 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:131 Resp: 11860
Ion Ratio Lower Upper
131 100
133 91.9 47.3 142.0
119 66.5 32.5 97.4

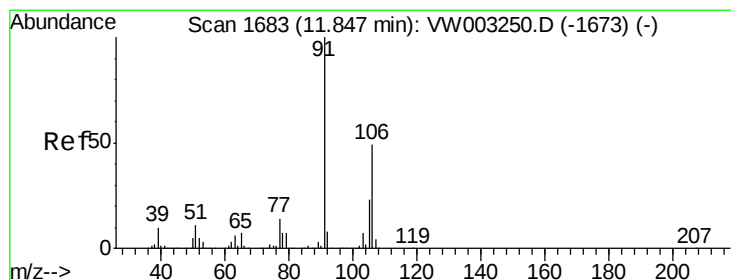
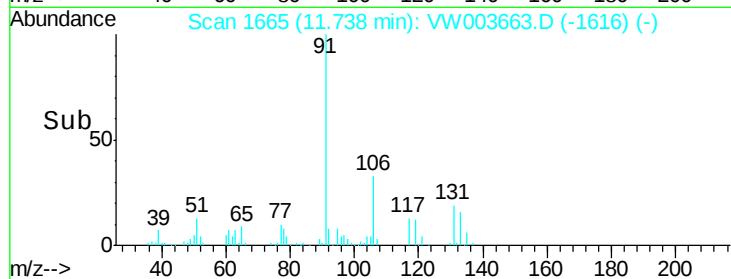
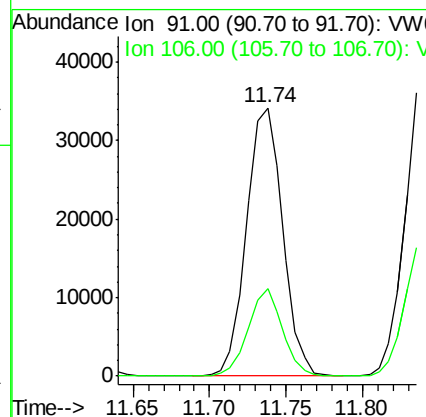
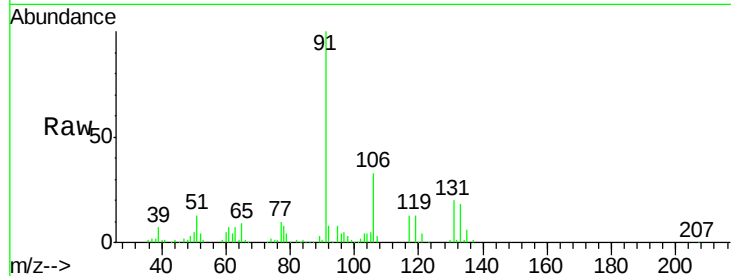




#67
Ethyl Benzene
Concen: 5.417 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

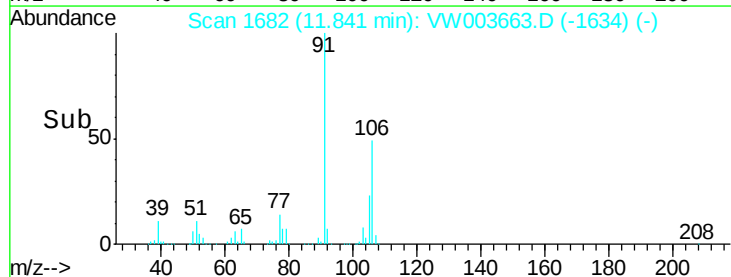
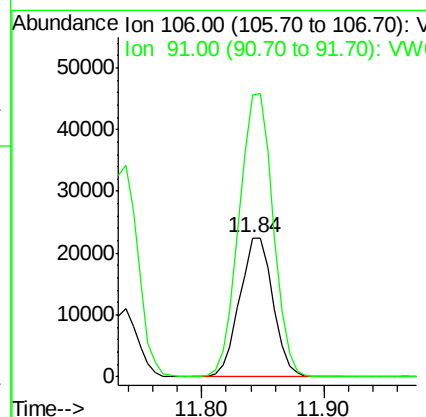
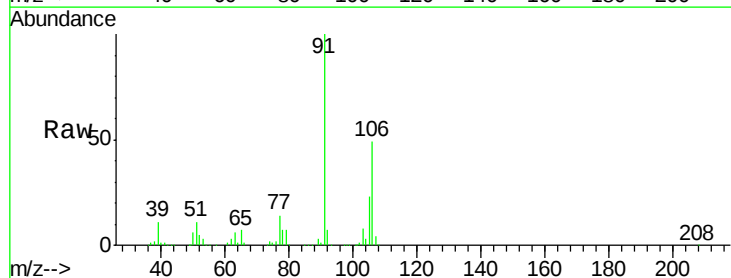
Instrument :
MSVOA_W
ClientSampled :

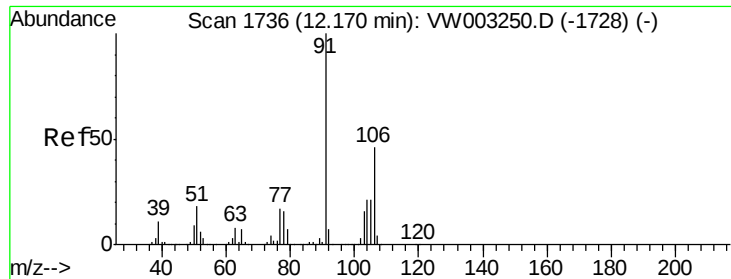
Tot Ion: 91 Resp: 56340
Ion Ratio Lower Upper
91 100
106 32.6 24.7 37.1



#68
m/p-Xylenes
Concen: 10.773 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 106 Resp: 42592
Ion Ratio Lower Upper
106 100
91 207.7 165.4 248.0

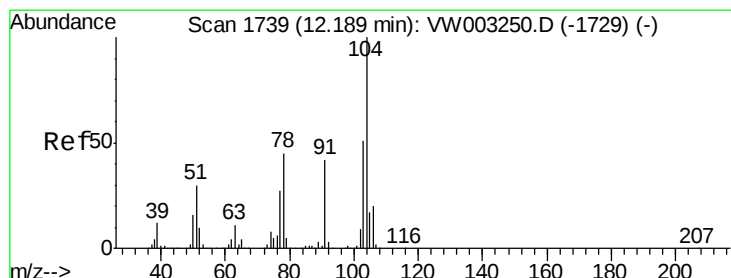
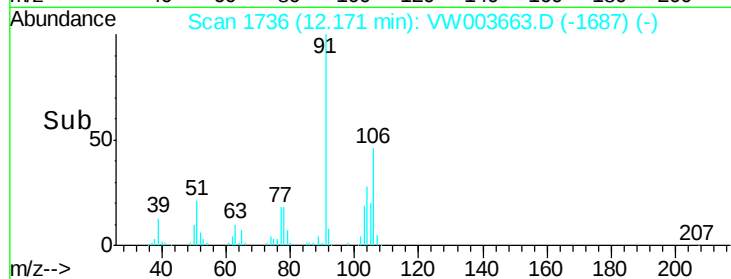
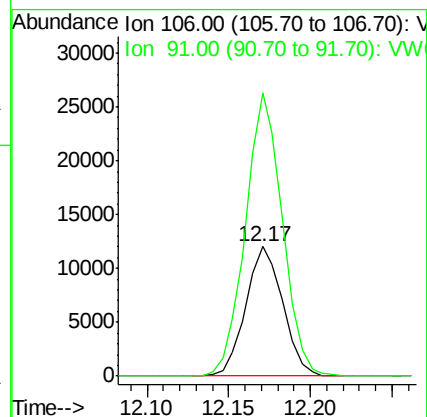
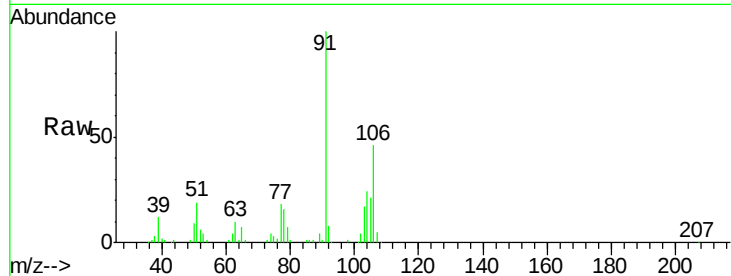




#69
o-Xylene
Concen: 5.180 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

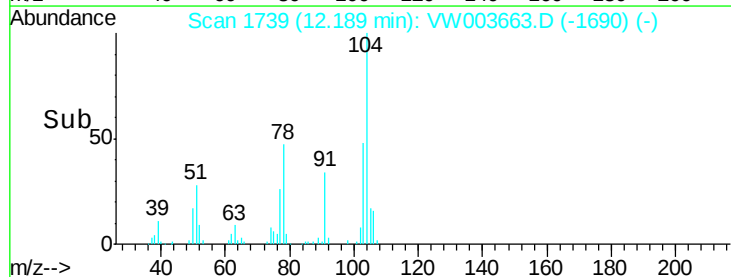
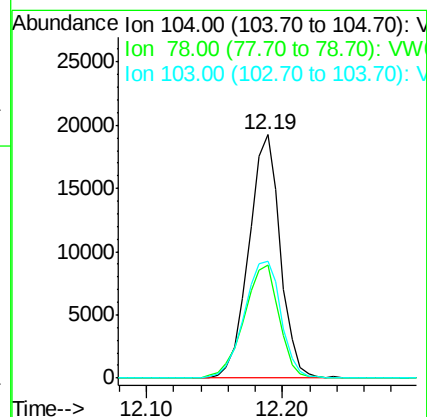
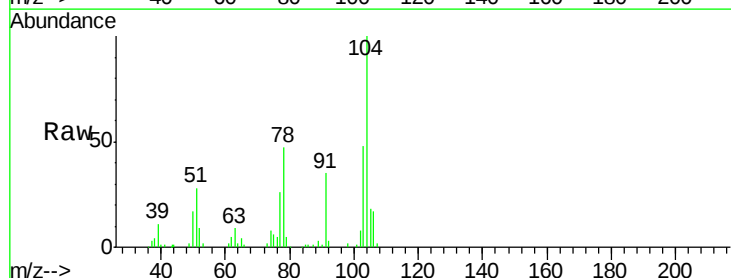
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 18980
Ion Ratio Lower Upper
106 100
91 218.5 108.6 325.6



#70
Styrene
Concen: 5.100 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:104 Resp: 31104
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 56.3 45.0 67.4

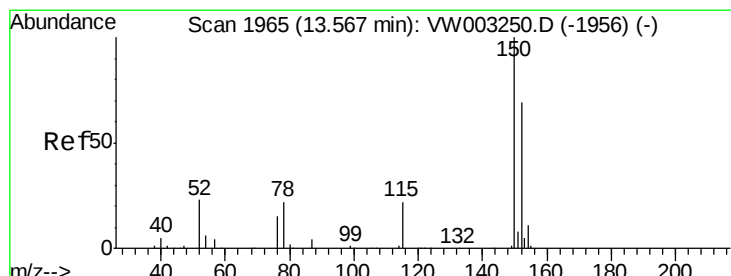
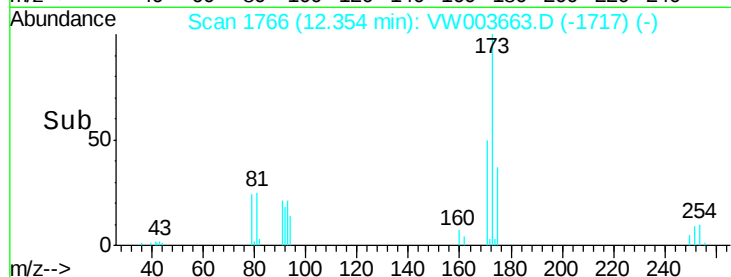
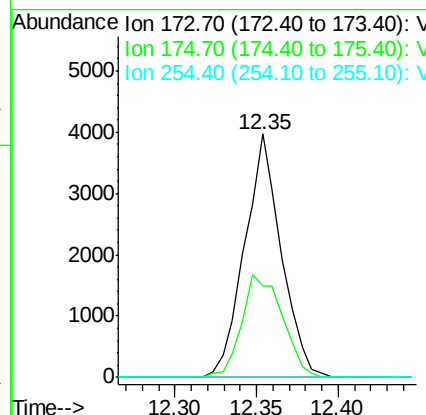
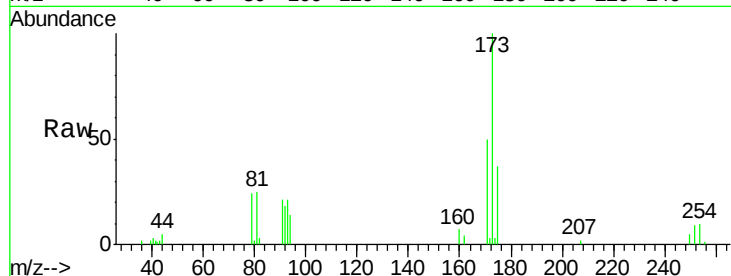




#71
Bromoform
Concen: 5.810 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

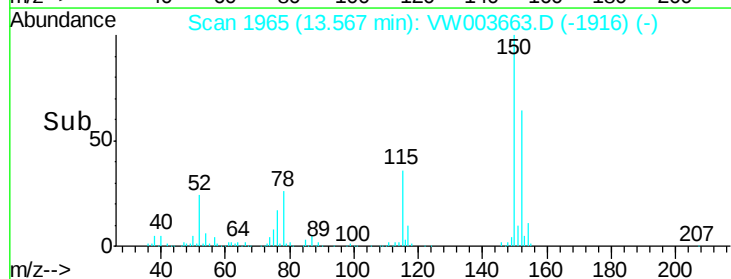
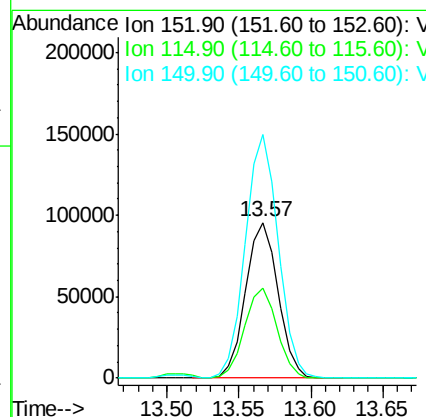
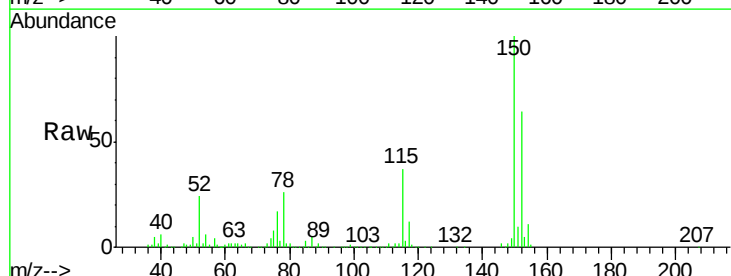
Instrument :
MSVOA_W
ClientSampled :

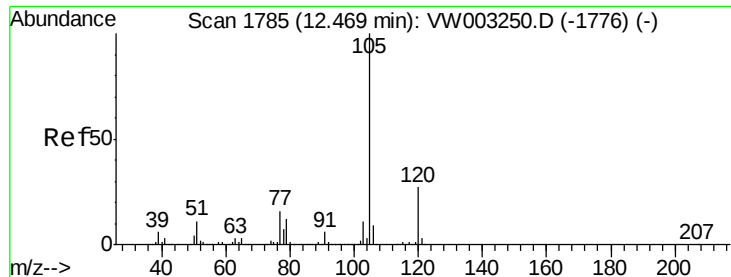
Tot Ion:173 Resp: 6208
Ion Ratio Lower Upper
173 100
175 46.6 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:152 Resp: 149168
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 158.5 0.0 349.6





#73

Isopropylbenzene

Concen: 5.069 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

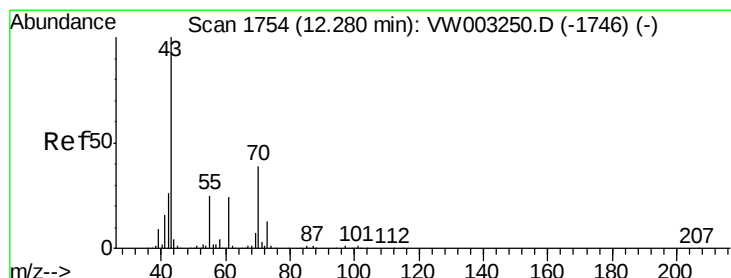
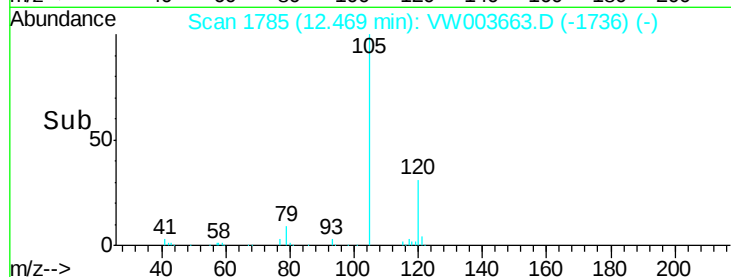
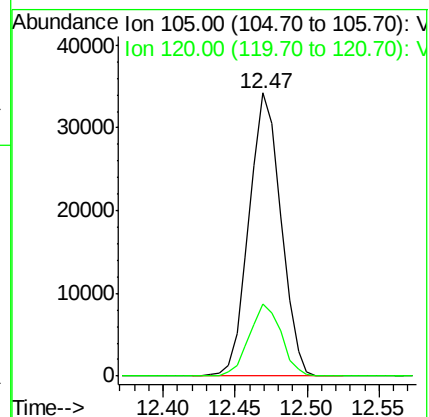
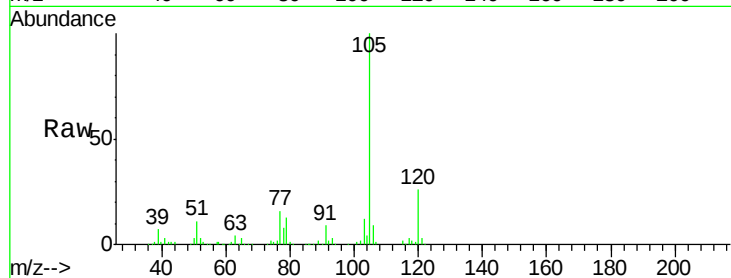
ClientSampleId :

Tot Ion:105 Resp: 52595

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.6



#74

N-ethyl acetate

Concen: 5.128 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Tgt Ion: 43 Resp: 12109

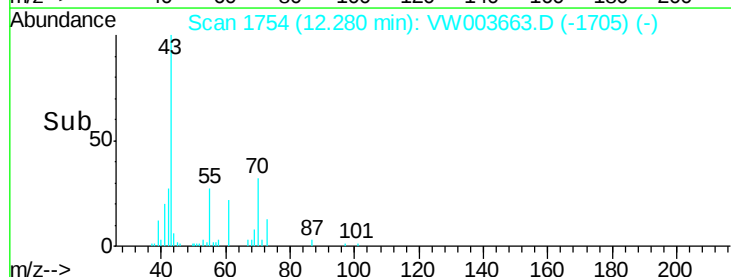
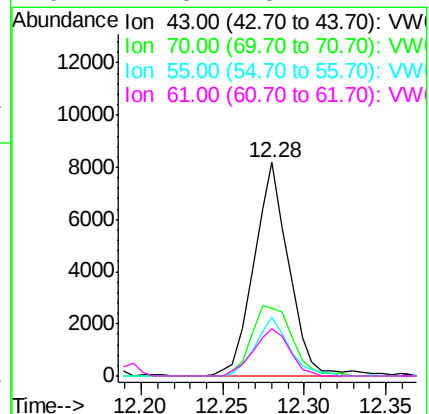
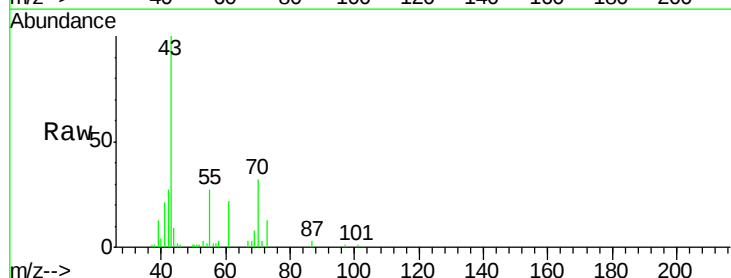
Ion Ratio Lower Upper

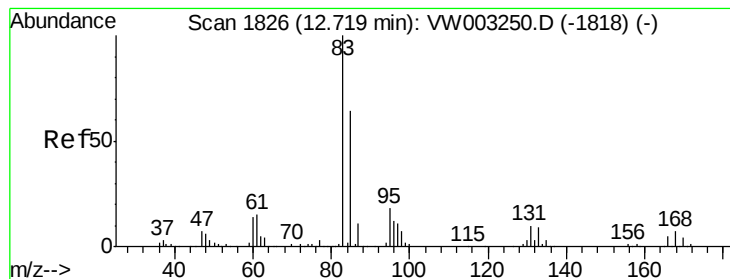
43 100

70 38.5 31.0 46.6

55 26.7 19.7 29.5

61 22.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.903 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

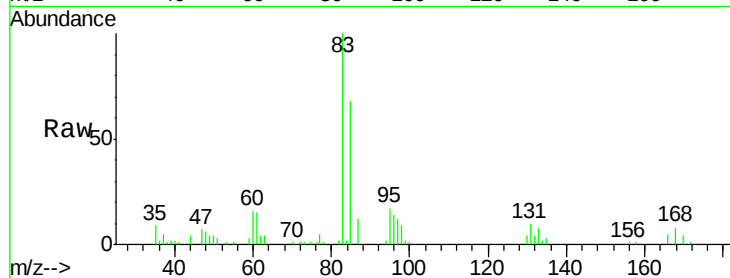
Tot Ion: 83 Resp: 10362

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

85 66.3 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

12.72

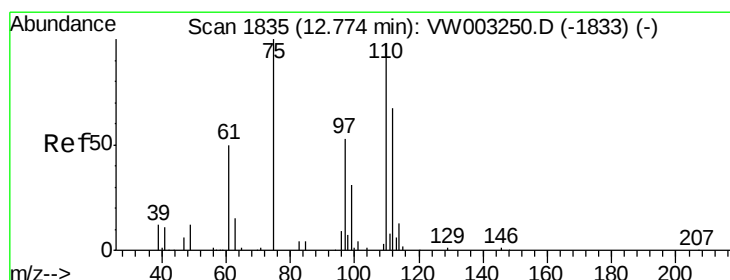
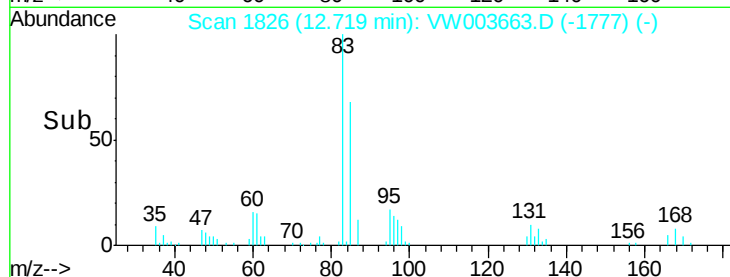
6000

4000

2000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 11.249 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003663.D

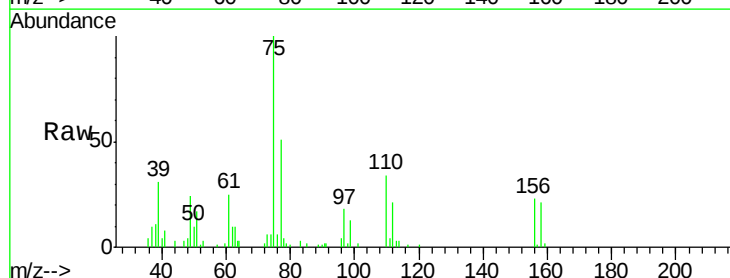
Acq: 29 Jun 2018 16:24

Tgt Ion: 75 Resp: 14345

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

50000

40000

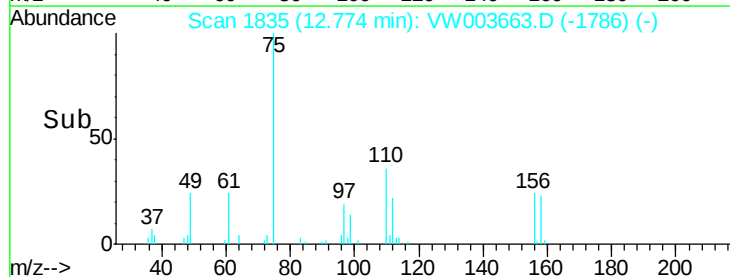
30000

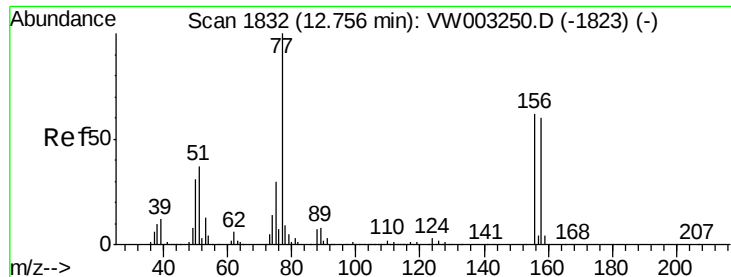
20000

10000

0

Time-->





#77

Bromobenzene

Concen: 5.681 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

ClientSampled :

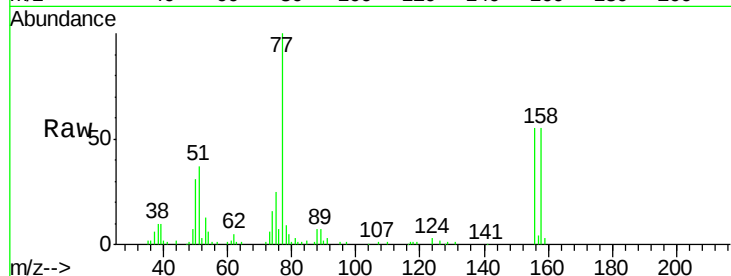
Tot Ion:156 Resp: 13727

Ion Ratio Lower Upper

156 100

77 187.1 92.3 276.9

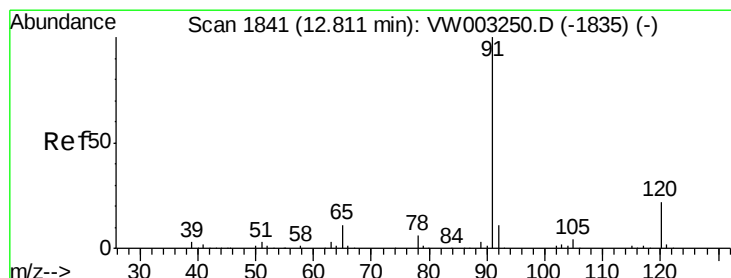
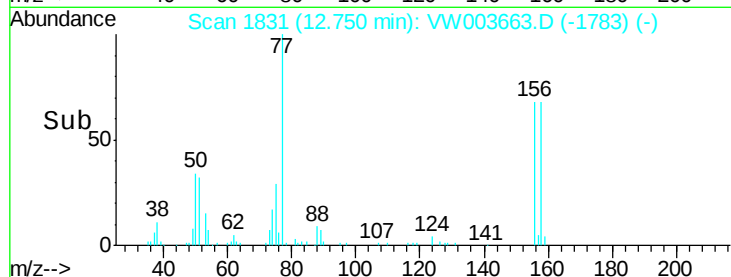
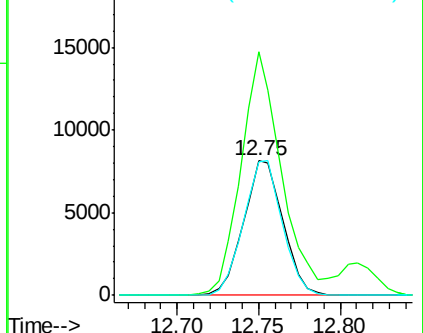
158 98.7 47.5 142.6



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: 5.441 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003663.D

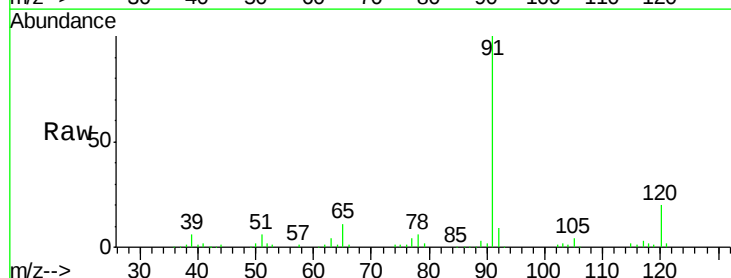
Acq: 29 Jun 2018 16:24

Tgt Ion: 91 Resp: 69120

Ion Ratio Lower Upper

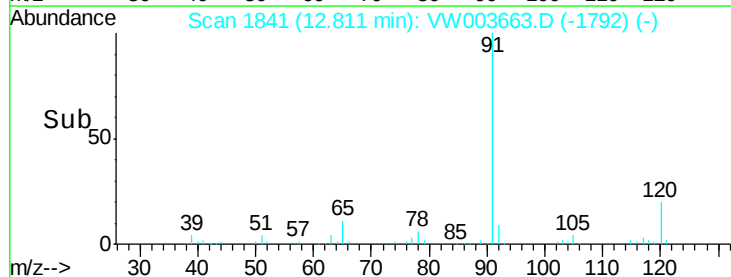
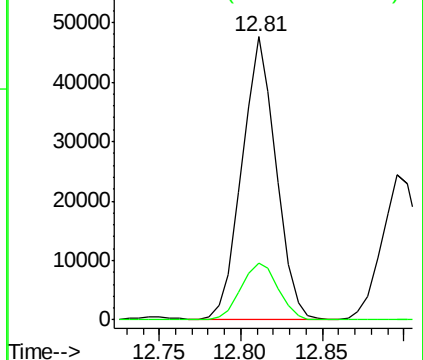
91 100

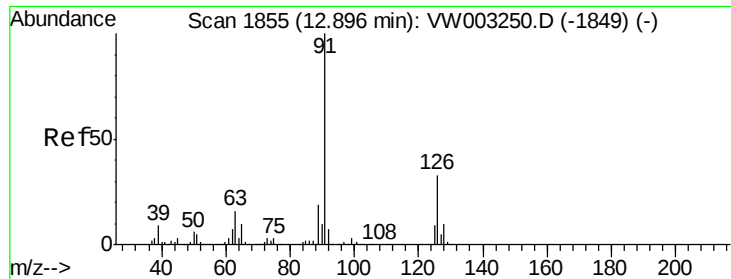
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.453 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

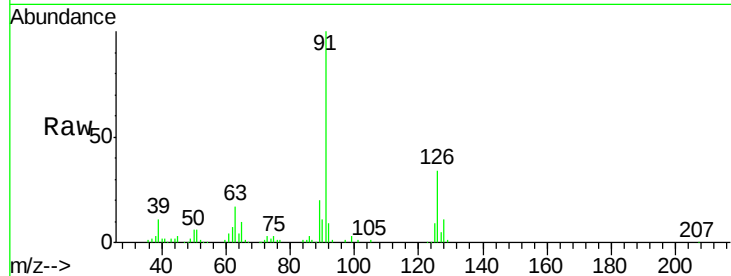
ClientSampleId :

Tot Ion: 91 Resp: 39149

Ion Ratio Lower Upper

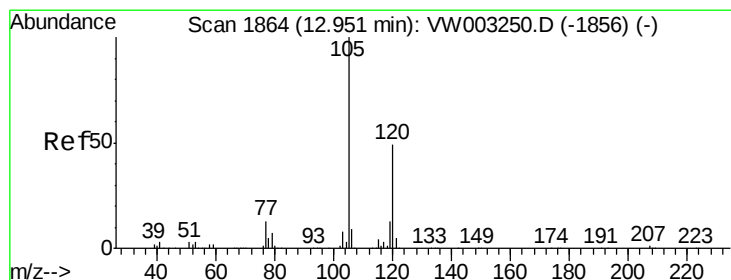
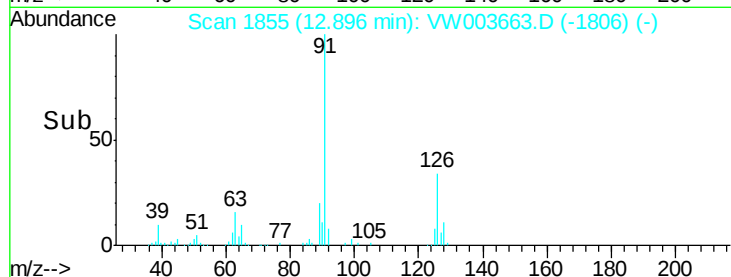
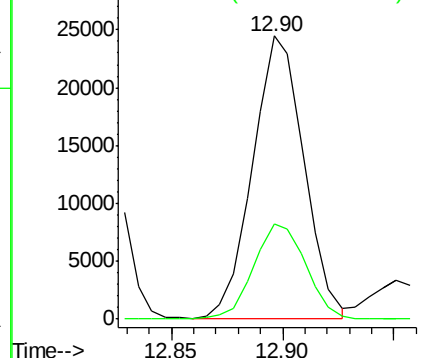
91 100

126 34.1 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.357 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003663.D

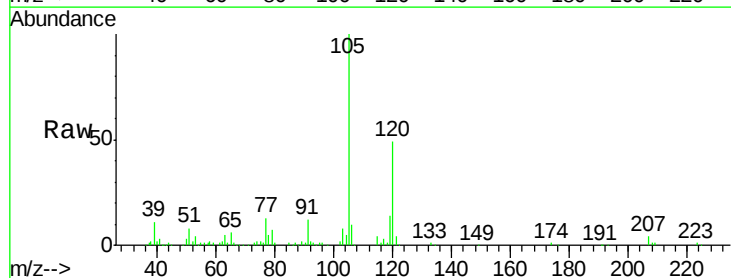
Acq: 29 Jun 2018 16:24

Tgt Ion:105 Resp: 46652

Ion Ratio Lower Upper

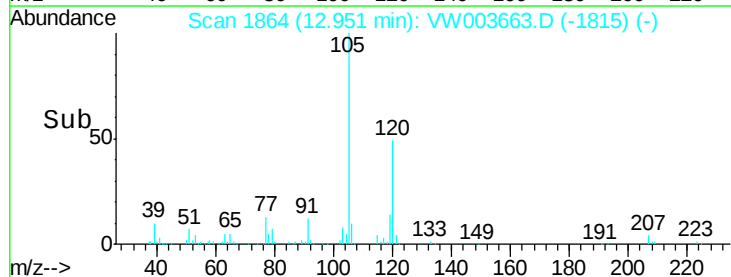
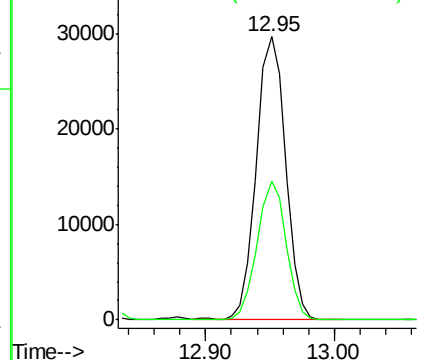
105 100

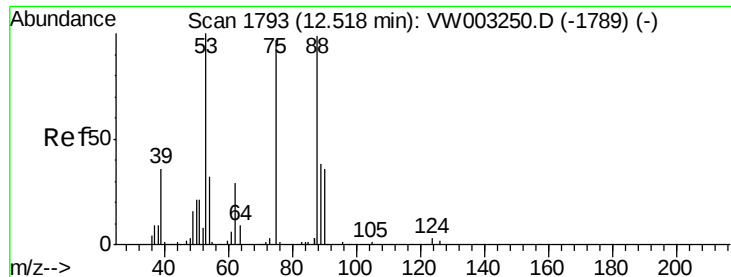
120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 5.191 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

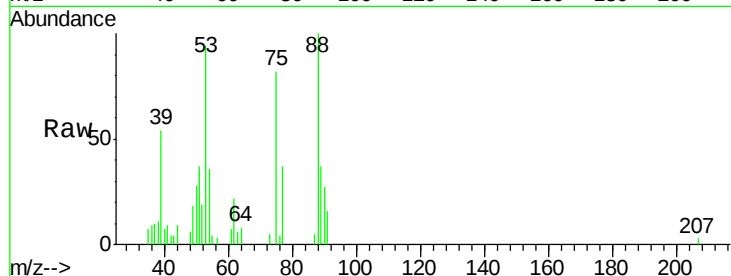
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 2877

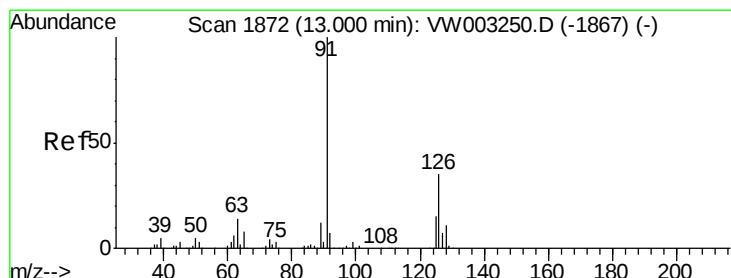
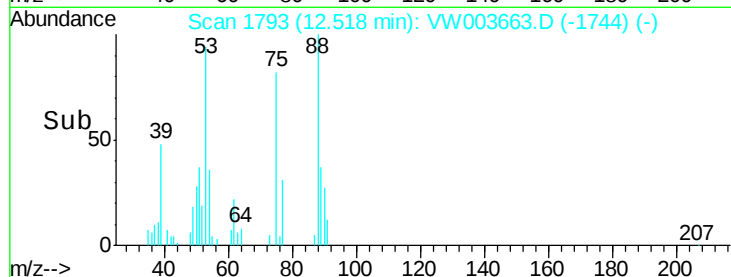
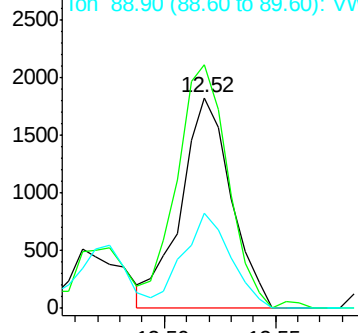
Ion	Ratio	Lower	Upper
75	100		
53	119.2	82.9	124.3
89	42.9	36.7	55.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 5.437 ug/l

RT: 12.99 min Scan# 1871

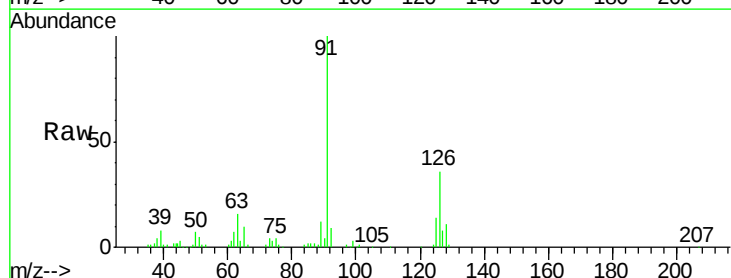
Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

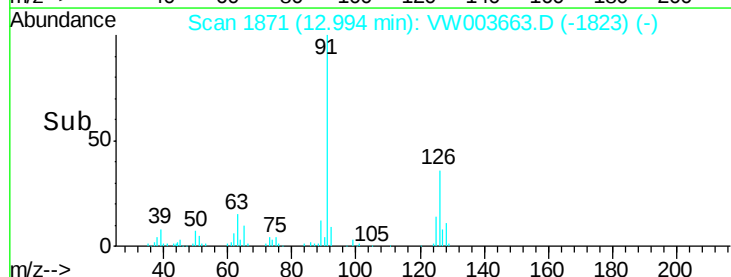
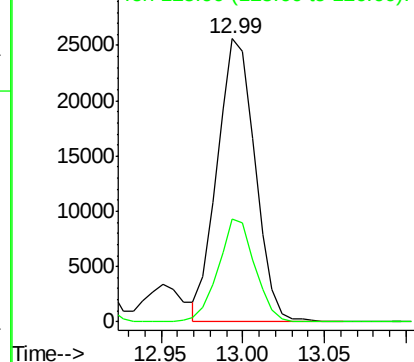
Tgt Ion: 91 Resp: 41411

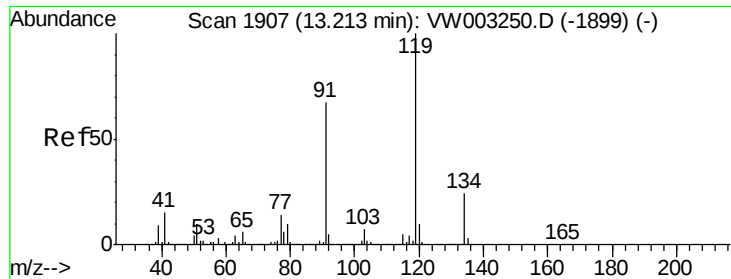
Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.8	50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

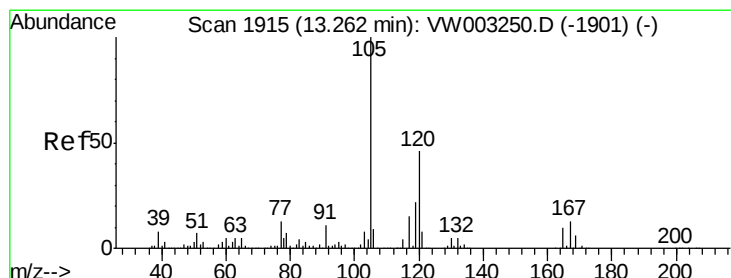
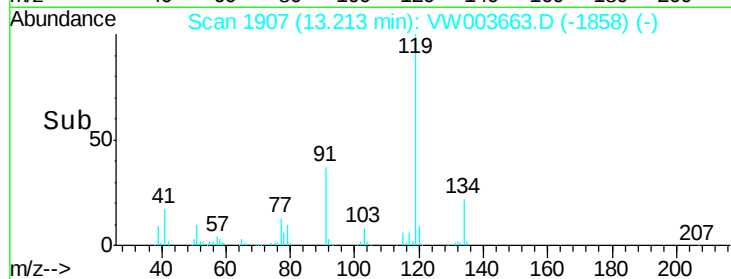
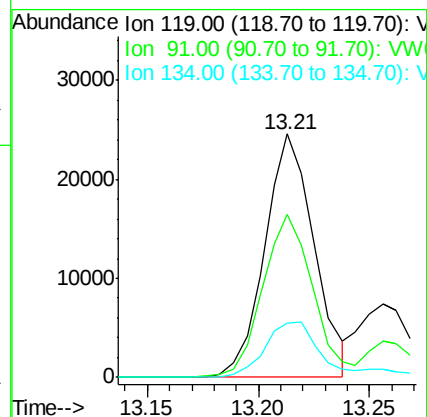
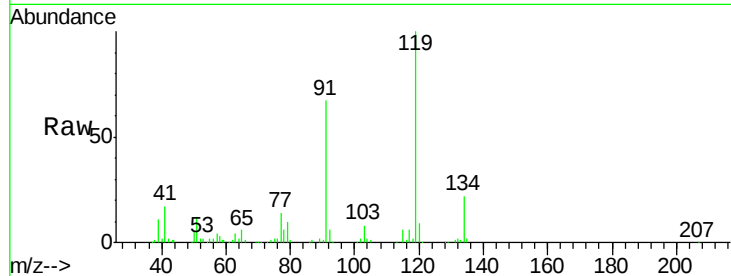




#83
tert-Butylbenzene
Concen: 5.086 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

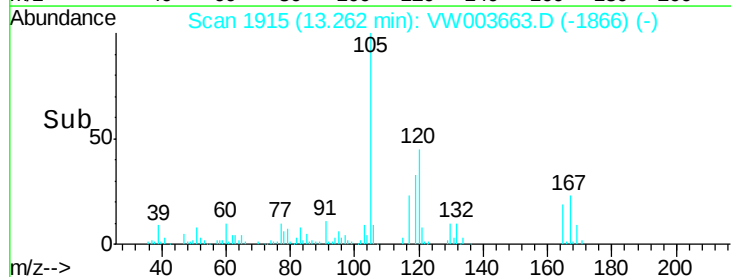
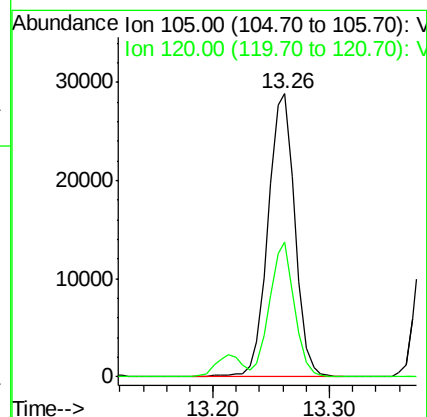
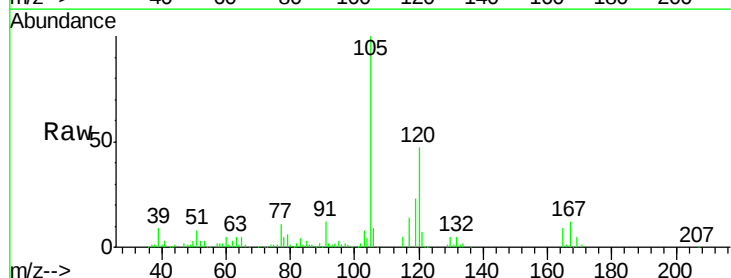
Instrument :
MSVOA_W
ClientSampled :

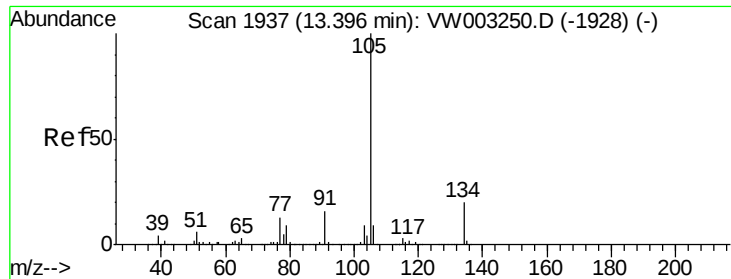
Tot Ion:119 Resp: 37744
Ion Ratio Lower Upper
119 100
91 68.1 33.9 101.7
134 27.4 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 5.179 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:105 Resp: 46391
Ion Ratio Lower Upper
105 100
120 43.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 5.261 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

Instrument :

MSVOA_W

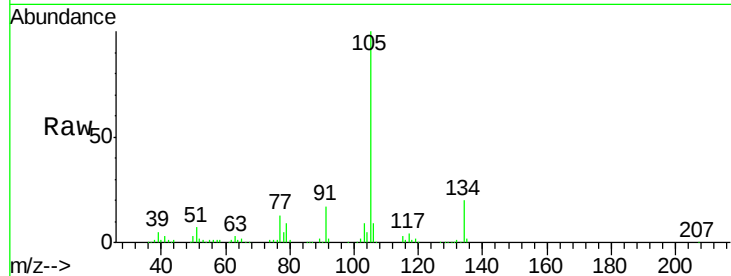
ClientSampleId :

Tot Ion:105 Resp: 58033

Ion Ratio Lower Upper

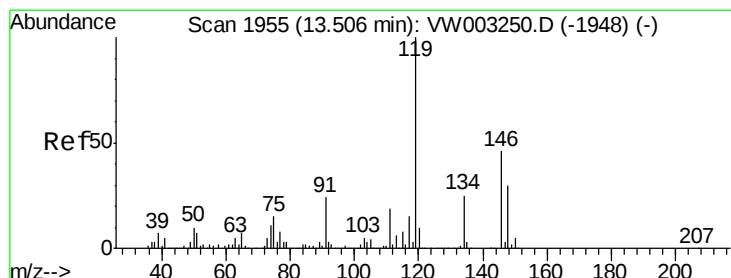
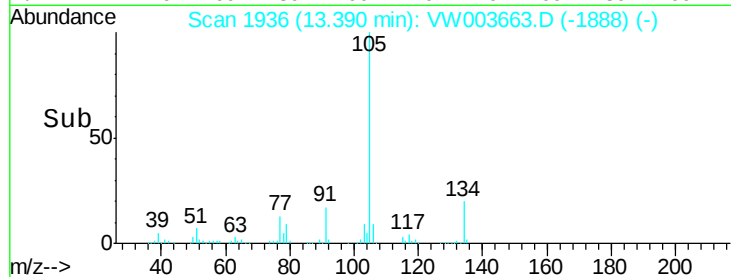
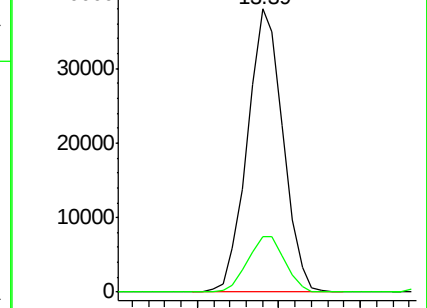
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.016 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003663.D

Acq: 29 Jun 2018 16:24

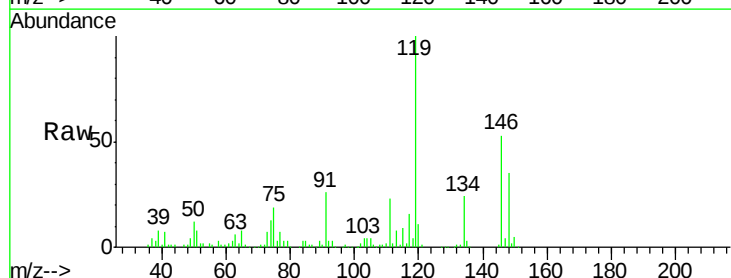
Tgt Ion:119 Resp: 48808

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

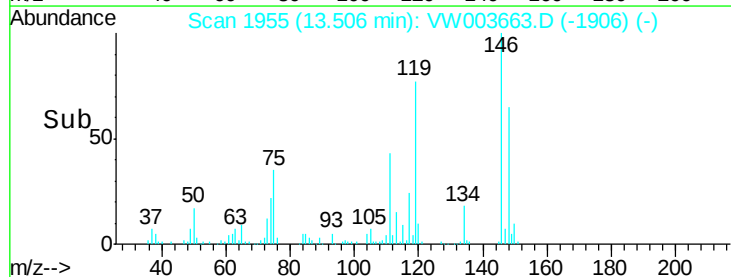
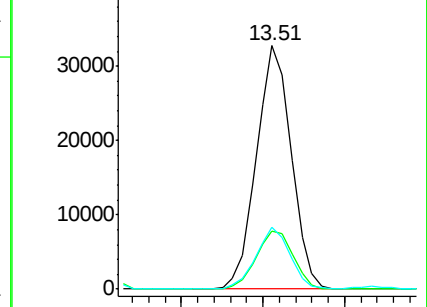
91 25.2 11.8 35.3

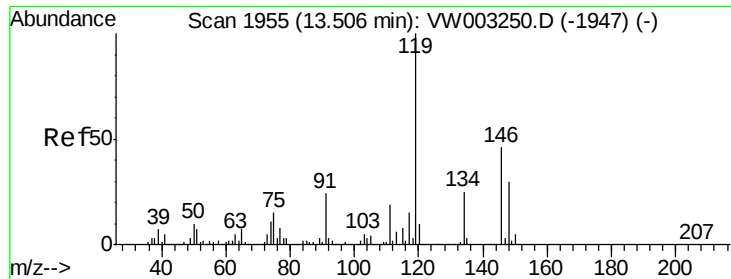


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

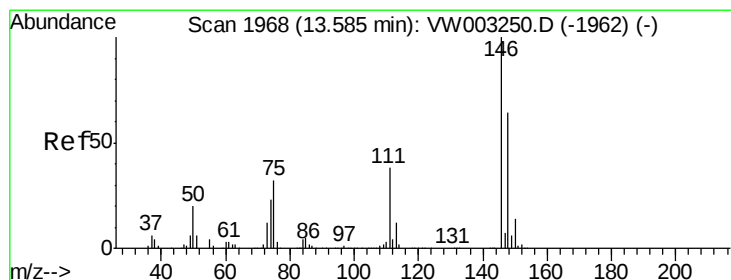
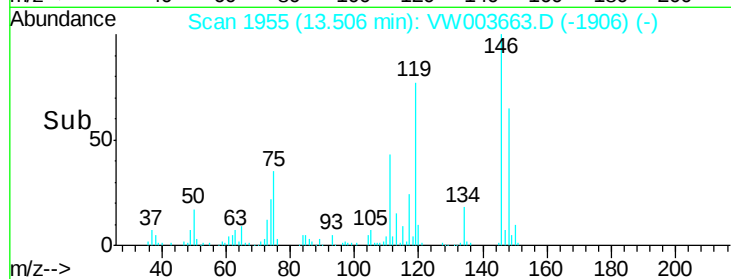
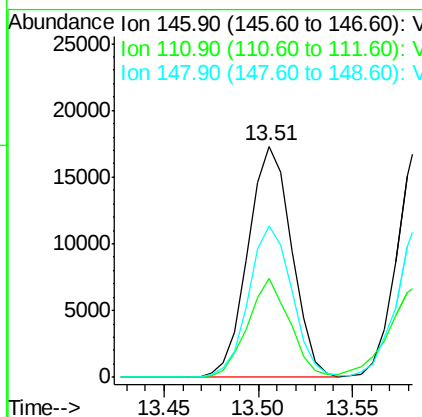
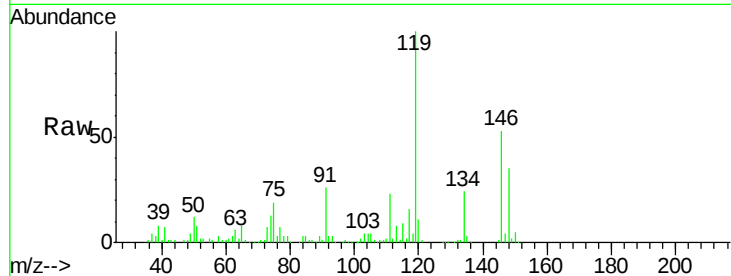




#87
 1,3-Dichlorobenzene
 Concen: 5.616 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

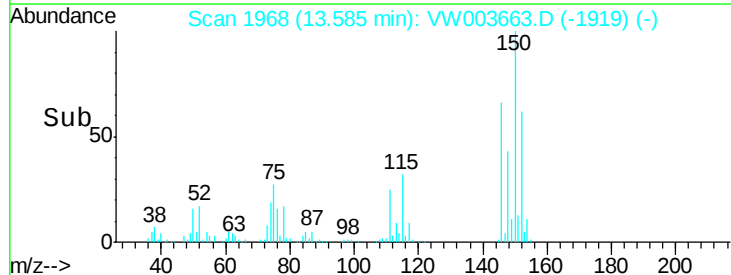
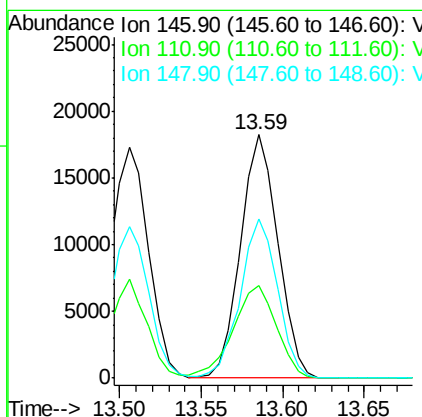
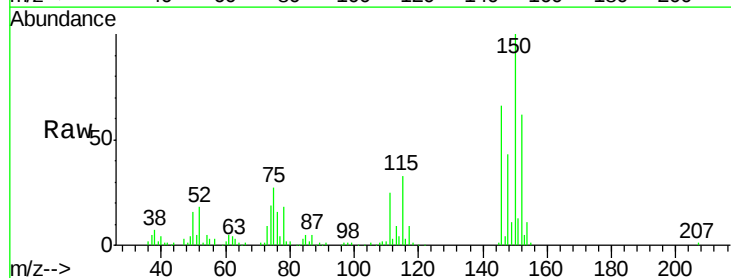
Instrument :
 MSVOA_W
 ClientSampleId :

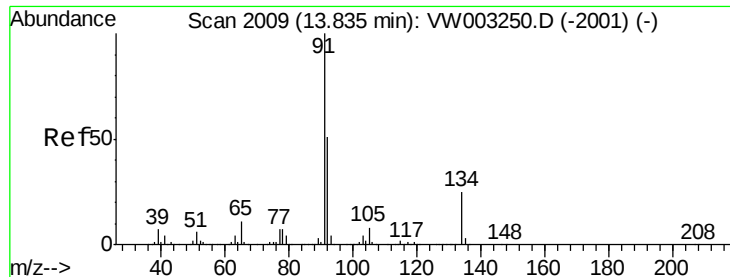
Tot Ion:146 Resp: 27875
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.8 59.4
 148 65.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.907 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion:146 Resp: 29151
 Ion Ratio Lower Upper
 146 100
 111 44.1 19.2 57.6
 148 65.5 31.8 95.4

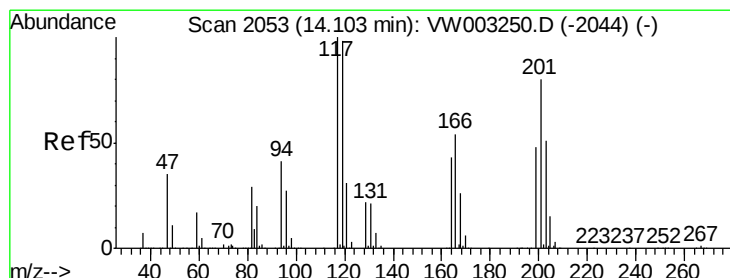
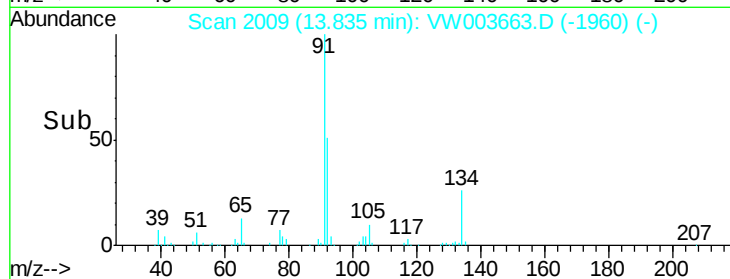
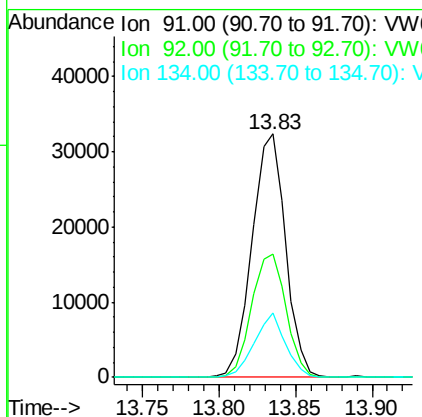
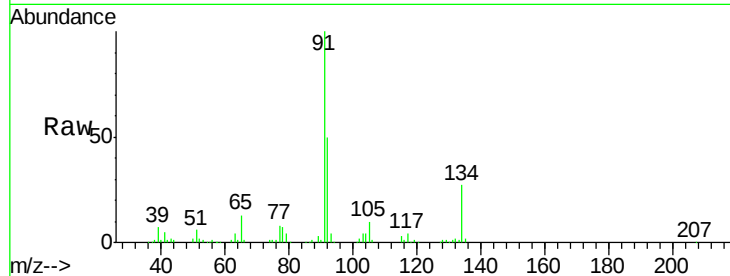




#89
n-Butylbenzene
Concen: 5.223 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

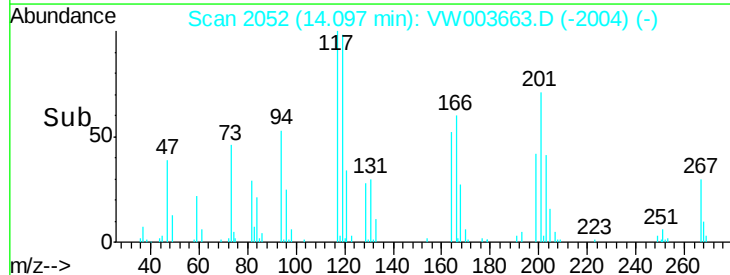
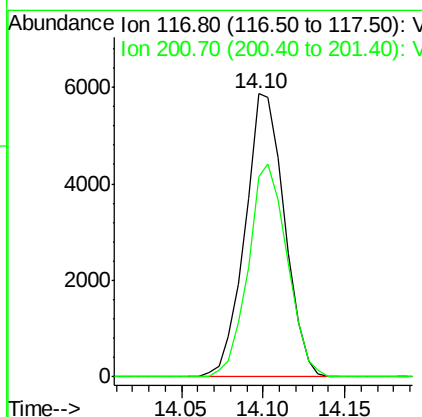
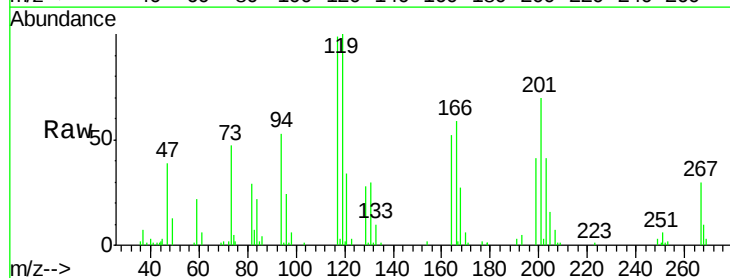
Instrument :
MSVOA_W
ClientSampled :

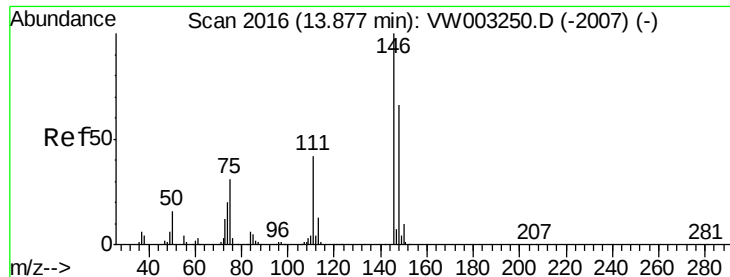
Tot Ion: 91 Resp: 49532
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 24.5 12.7 38.0



#90
Hexachloroethane
Concen: 5.620 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion: 117 Resp: 9892
Ion Ratio Lower Upper
117 100
201 74.1 39.5 118.5

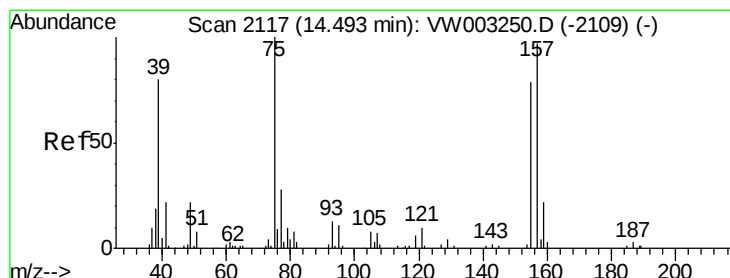
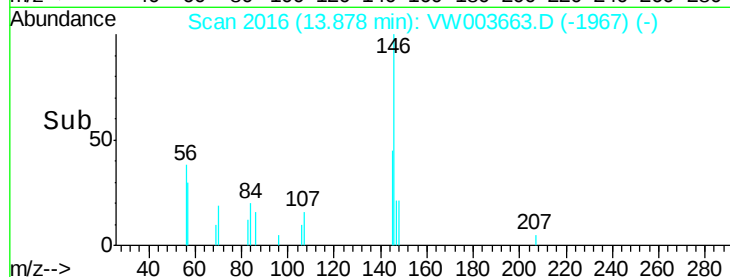
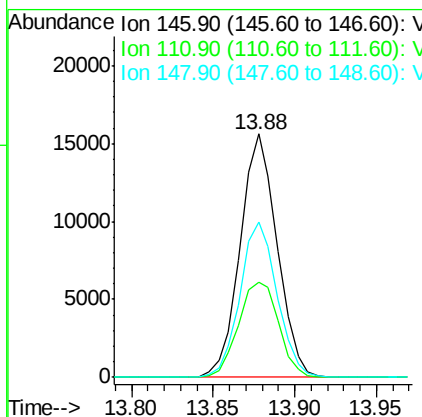
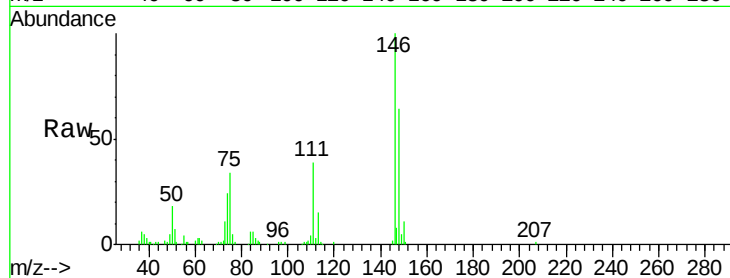




#91
 1,2-Dichlorobenzene
 Concen: 5.668 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

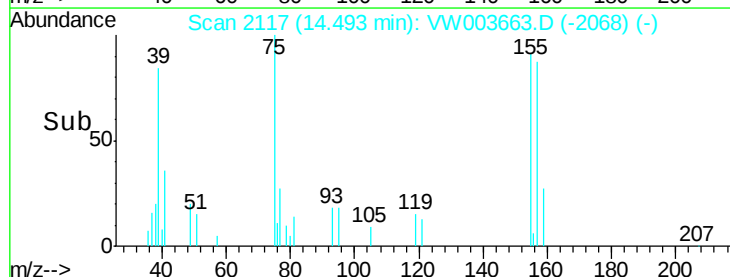
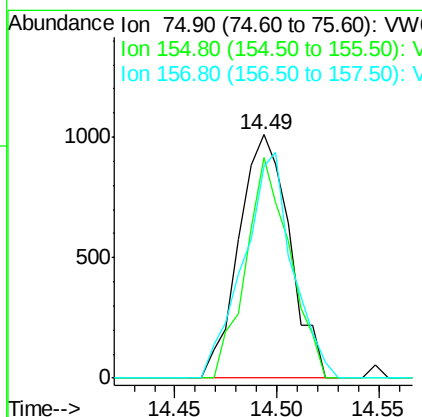
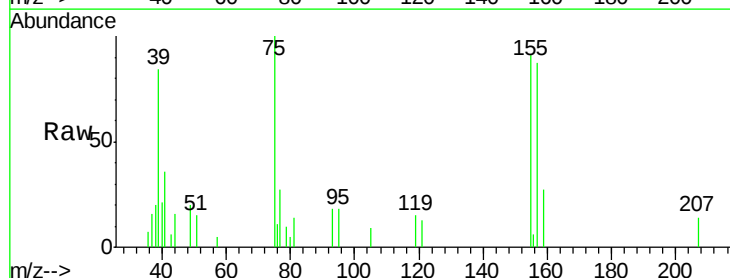
Instrument :
 MSVOA_W
 ClientSampleId :

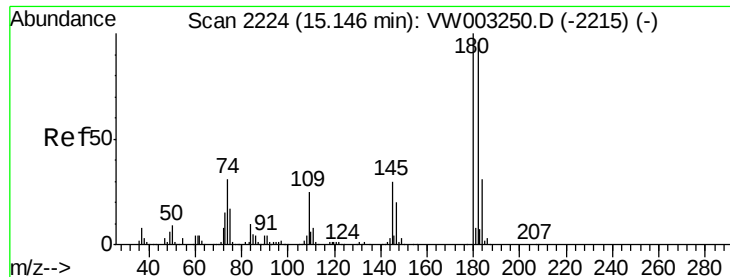
Tot Ion:146 Resp: 24646
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.3 61.0
 148 63.8 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.904 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion: 75 Resp: 1744
 Ion Ratio Lower Upper
 75 100
 155 79.1 39.4 118.2
 157 90.0 51.5 154.5

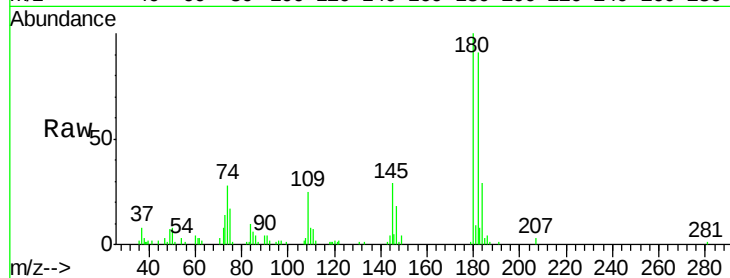




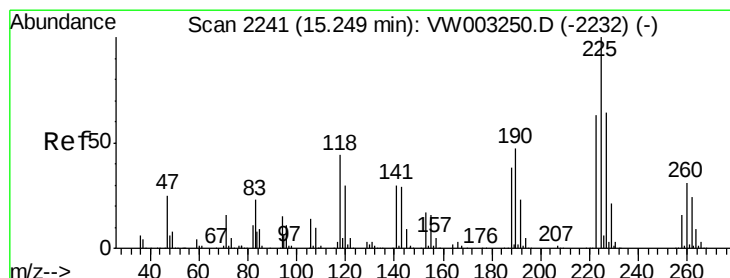
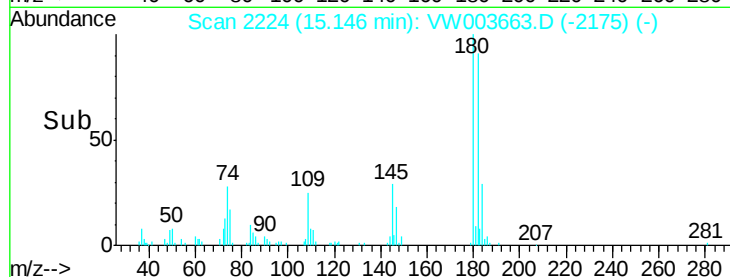
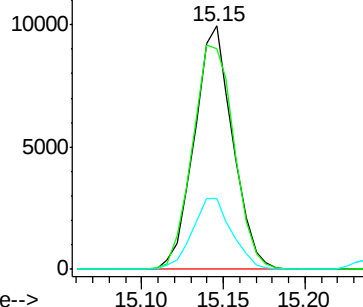
#93
 1,2,4-Trichlorobenzene
 Concen: 5.341 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 16303
 Ion Ratio Lower Upper
 180 100
 182 100.0 47.9 143.6
 145 30.1 15.2 45.5

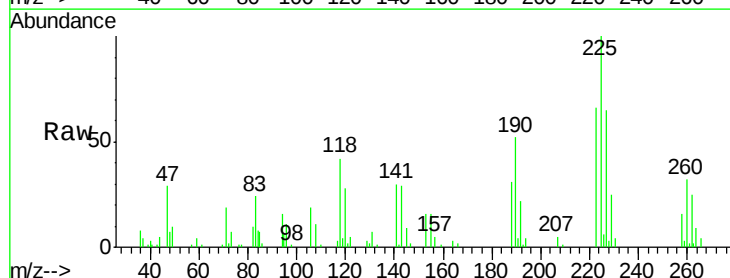


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

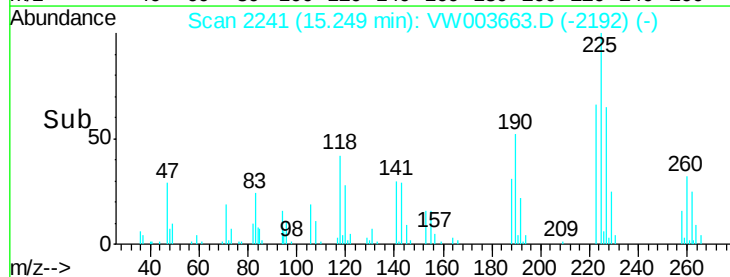
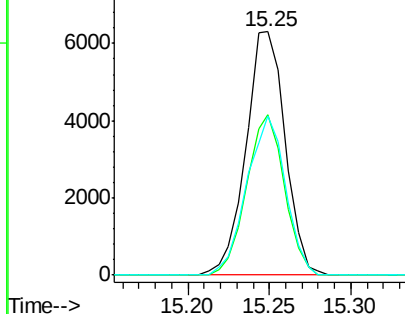


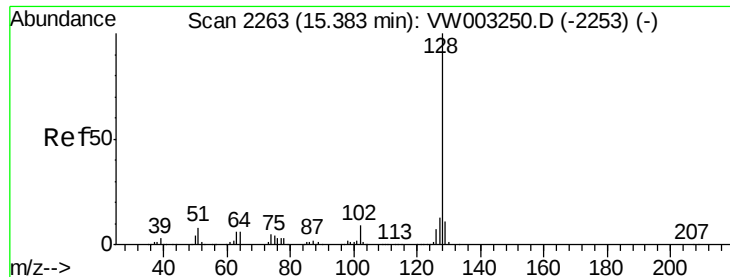
#94
 Hexachlorobutadiene
 Concen: 5.738 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003663.D
 Acq: 29 Jun 2018 16:24

Tgt Ion:225 Resp: 10535
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.6 92.0
 227 64.4 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

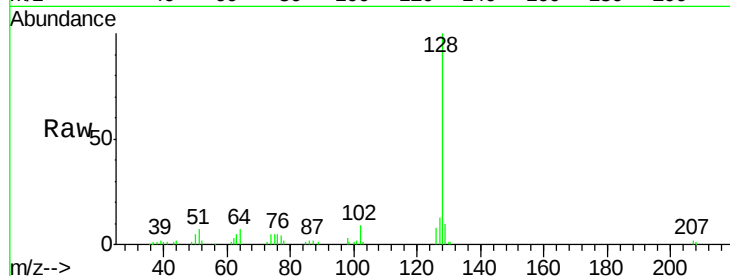




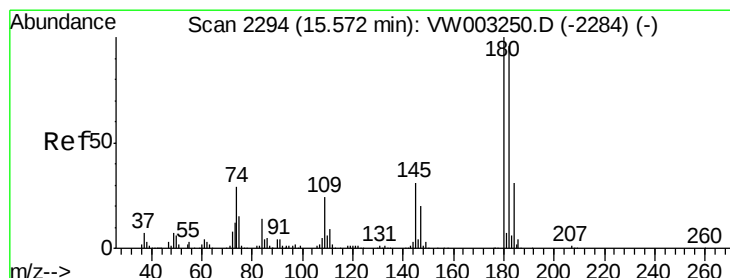
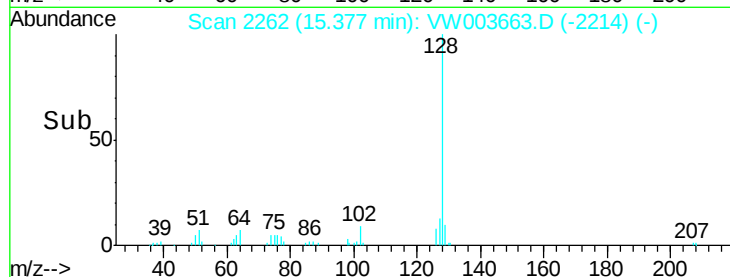
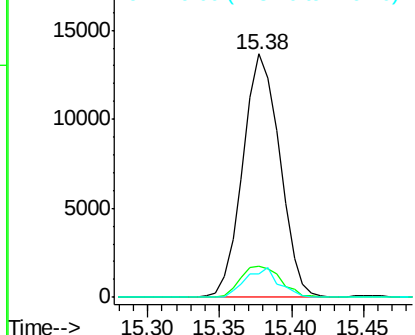
#95
Naphthalene
Concen: 4.697 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 24322
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 10.7 8.9 13.3

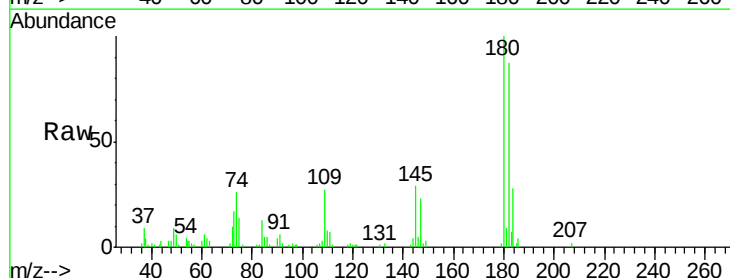


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.419 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003663.D
Acq: 29 Jun 2018 16:24

Tgt Ion:180 Resp: 14560
Ion Ratio Lower Upper
180 100
182 92.5 47.9 143.6
145 32.6 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

