

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003606.D
 Acq On : 27 Jun 2018 12:05
 Operator : SY/AP
 Sample : VW0627SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 14:05:13 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	218420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	335037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	165766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120326	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	107507	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.33	98	435320	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.62	95	154291	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	16275	24.65	ug/l	84
3) Chloromethane	2.21	50	35482	21.27	ug/l	95
4) Vinyl Chloride	2.36	62	51649	21.24	ug/l	95
5) Bromomethane	2.78	94	30703	18.99	ug/l	95
6) Chloroethane	2.92	64	34221	20.21	ug/l	98
7) Trichlorofluoromethane	3.25	101	34698	23.81	ug/l	94
8) Diethyl Ether	3.68	74	23379	21.84	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44164	21.83	ug/l	98
10) Methyl Iodide	4.26	142	65208	21.31	ug/l	100
11) Tert butyl alcohol	5.23	59	3860	30.42	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	43289	21.89	ug/l	95
13) Acrolein	3.90	56	12278	67.68	ug/l	94
14) Allyl chloride	4.66	41	73492	21.46	ug/l	98
15) Acrylonitrile	5.38	53	47383	107.59	ug/l	98
16) Acetone	4.15	43	57310	115.50	ug/l	97
17) Carbon Disulfide	4.37	76	126234	21.60	ug/l	98
18) Methyl Acetate	4.68	43	23412	19.89	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	78294	21.14	ug/l	96
20) Methylene Chloride	4.91	84	57025	25.24	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	46010	21.38	ug/l	98
22) Diisopropyl ether	6.32	45	151218	21.94	ug/l	98
23) Vinyl Acetate	6.26	43	423878	106.71	ug/l	99
24) 1,1-Dichloroethane	6.21	63	90475	22.11	ug/l	99
25) 2-Butanone	7.19	43	67697	109.72	ug/l	99
26) 2,2-Dichloropropane	7.17	77	60512	22.16	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50564	21.39	ug/l	98
28) Bromochloromethane	7.52	49	33752	19.82	ug/l	96
29) Tetrahydrofuran	7.54	42	39556	104.90	ug/l	98
30) Chloroform	7.68	83	91494	21.95	ug/l	96
31) Cyclohexane	7.95	56	82035	21.46	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	75944	22.07	ug/l	99
36) 1,1-Dichloropropene	8.09	75	72657	22.46	ug/l	99
37) Ethyl Acetate	7.26	43	29786	22.22	ug/l	99
38) Carbon Tetrachloride	8.07	117	71021	22.38	ug/l	97

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Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 14:05:13 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)
39) Methylcyclohexane	9.34	83	80892	21.61	ug/l	96
40) Benzene	8.33	78	200170	22.44	ug/l	98
41) Methacrylonitrile	7.49	41	17611	21.41	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62810	22.48	ug/l	100
43) Isopropyl Acetate	8.43	43	56345	21.17	ug/l	98
44) Trichloroethene	9.09	130	51620	21.84	ug/l	97
45) 1,2-Dichloropropane	9.37	63	51301	22.59	ug/l	99
46) Dibromomethane	9.46	93	24730	21.27	ug/l	98
47) Bromodichloromethane	9.65	83	65649	22.03	ug/l	99
48) Methyl methacrylate	9.45	41	27978	22.37	ug/l	92
49) 1,4-Dioxane	9.50	88	6786	386.58	ug/l	86
51) 4-Methyl-2-Pentanone	10.22	43	148610	109.58	ug/l	99
52) Toluene	10.39	92	128099	22.40	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	64638	21.23	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	73924	21.34	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35998	21.97	ug/l	96
56) Ethyl methacrylate	10.65	69	41915	21.07	ug/l	99
57) 1,3-Dichloropropane	10.94	76	62108	21.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	96451	108.15	ug/l	99
59) 2-Hexanone	10.98	43	109486	115.56	ug/l	99
60) Dibromochloromethane	11.13	129	41350	21.22	ug/l	99
61) 1,2-Dibromoethane	11.24	107	33436	21.58	ug/l	100
64) Tetrachloroethene	10.87	164	44191	21.37	ug/l	96
65) Chlorobenzene	11.66	112	138453	21.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48064	21.24	ug/l	99
67) Ethyl Benzene	11.74	91	246263	21.57	ug/l	99
68) m/p-Xylenes	11.85	106	188930	43.54	ug/l	100
69) o-Xylene	12.17	106	85750	21.32	ug/l	98
70) Styrene	12.19	104	145157	21.69	ug/l	100
71) Bromoform	12.35	173	23888	20.37	ug/l #	96
73) Isopropylbenzene	12.47	105	246435	21.37	ug/l	99
74) N-amyl acetate	12.28	43	54022	20.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	42952	22.02	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	56529	39.89	ug/l #	100
77) Bromobenzene	12.76	156	55989	20.85	ug/l	96
78) n-propylbenzene	12.81	91	309169	21.90	ug/l	100
79) 2-Chlorotoluene	12.90	91	172267	21.59	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	212857	21.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12498	20.29	ug/l	96
82) 4-Chlorotoluene	12.99	91	183772	21.71	ug/l	99
83) tert-Butylbenzene	13.21	119	175898	21.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	218980	22.00	ug/l	100
85) sec-Butylbenzene	13.39	105	267102	21.79	ug/l	100
86) p-Isopropyltoluene	13.51	119	235197	21.75	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	119602	21.68	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	118772	21.66	ug/l	99
89) n-Butylbenzene	13.83	91	233764	22.18	ug/l	99
90) Hexachloroethane	14.10	117	42593	21.78	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	105217	21.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7166	21.83	ug/l	94

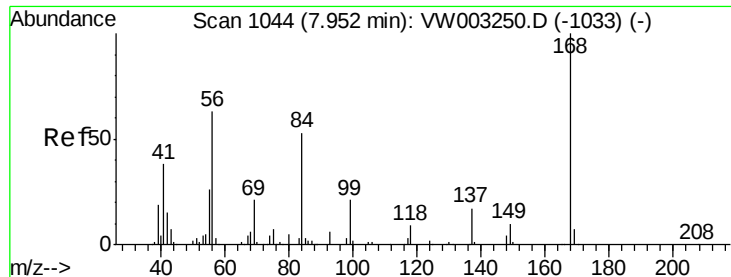
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062718\
Data File : VW003606.D
Acq On : 27 Jun 2018 12:05
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jun 27 14:05:13 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.15	180	72170	21.28	ug/l	100
94) Hexachlorobutadiene	15.25	225	43866	21.50	ug/l	98
95) Naphthalene	15.38	128	116566	20.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	62633	20.98	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

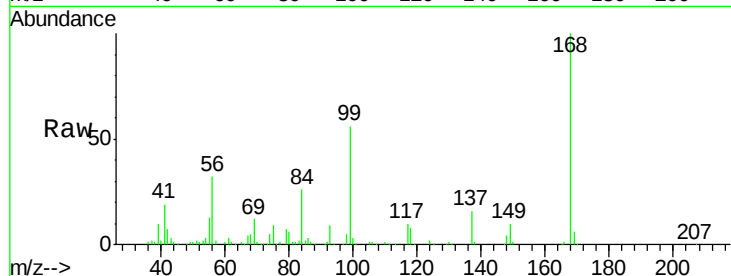
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 218420

Ion Ratio Lower Upper

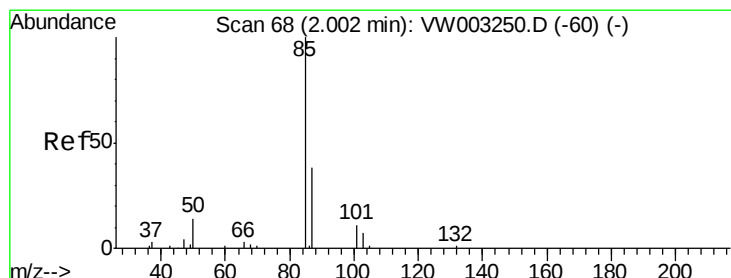
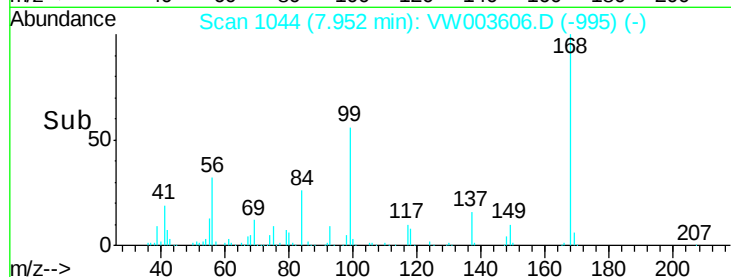
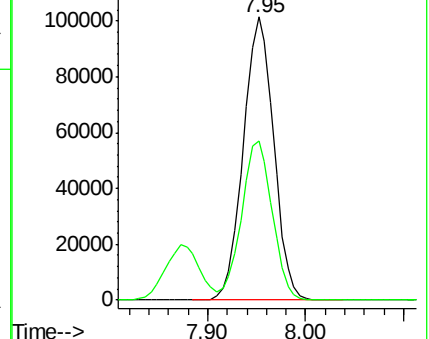
168 100

99 56.2 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: 24.65 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003606.D

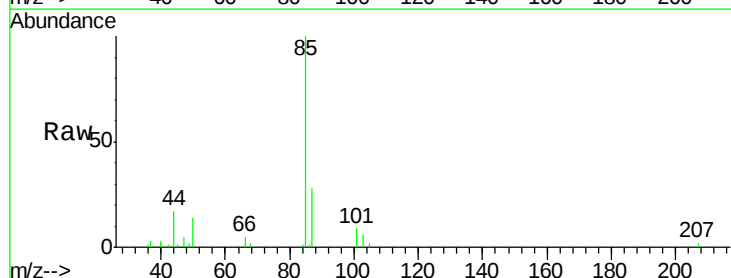
Acq: 27 Jun 2018 12:05

Tgt Ion: 85 Resp: 16275

Ion Ratio Lower Upper

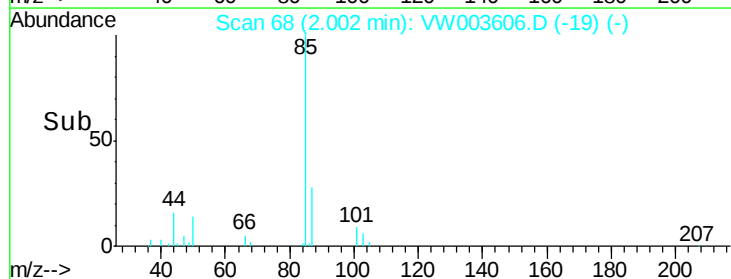
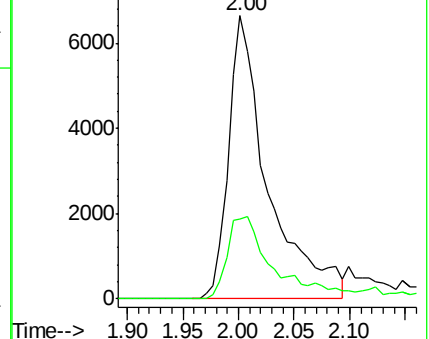
85 100

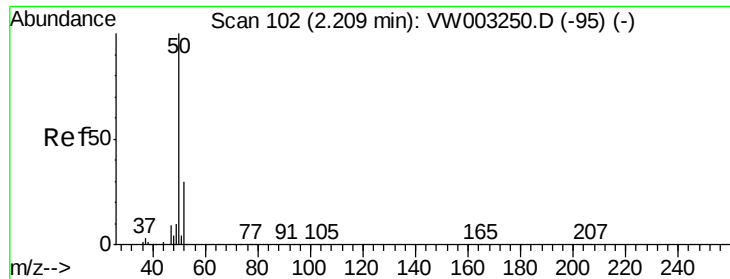
87 28.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.27 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

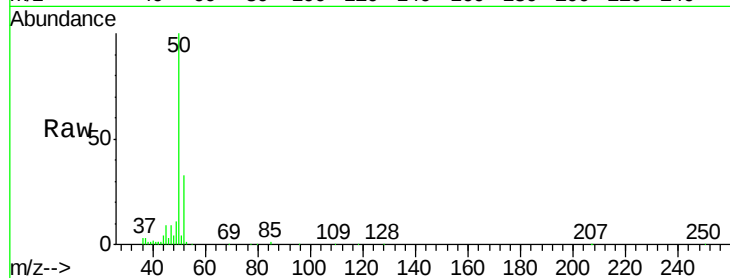
ClientSampleId :

Tot Ion: 50 Resp: 35482

Ion Ratio Lower Upper

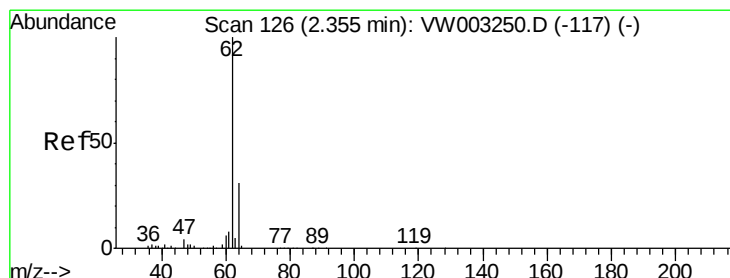
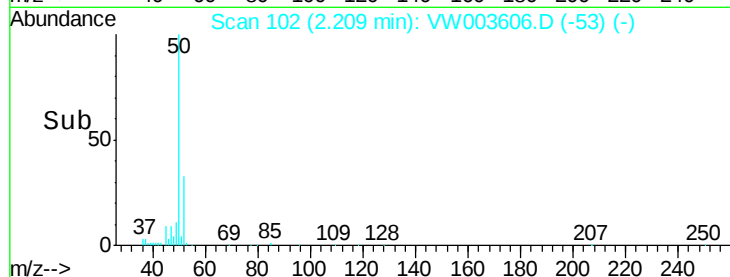
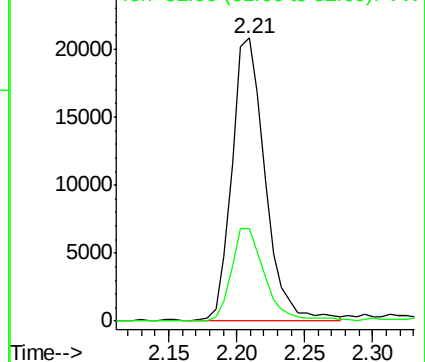
50 100

52 32.7 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: 21.24 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003606.D

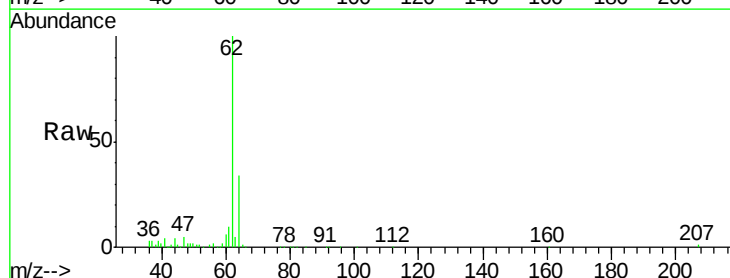
Acq: 27 Jun 2018 12:05

Tgt Ion: 62 Resp: 51649

Ion Ratio Lower Upper

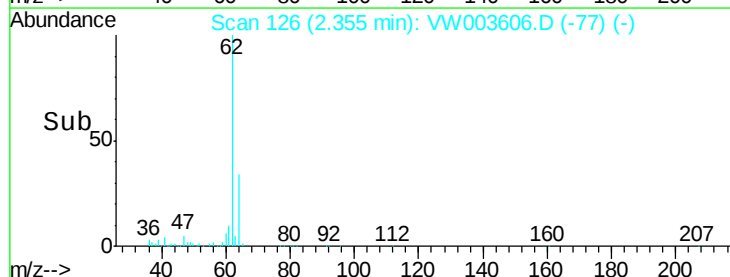
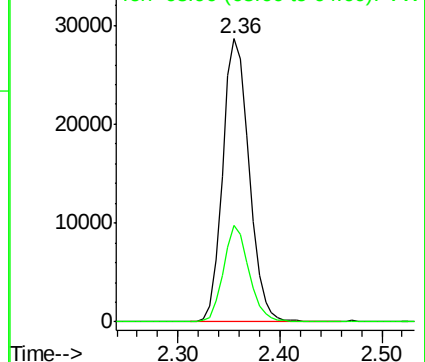
62 100

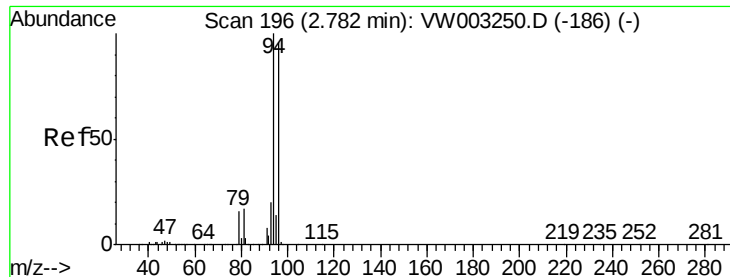
64 33.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.99 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

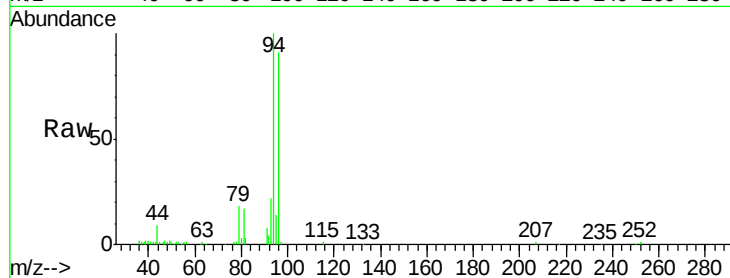
ClientSampled :

Tot Ion: 94 Resp: 30703

Ion Ratio Lower Upper

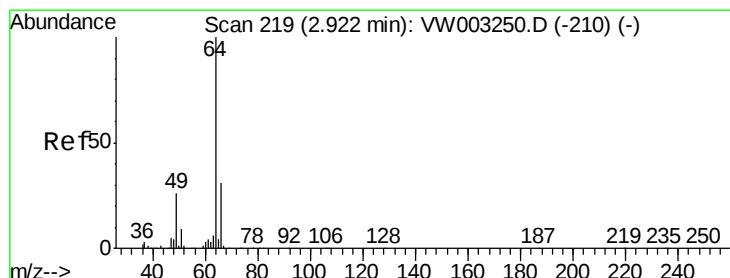
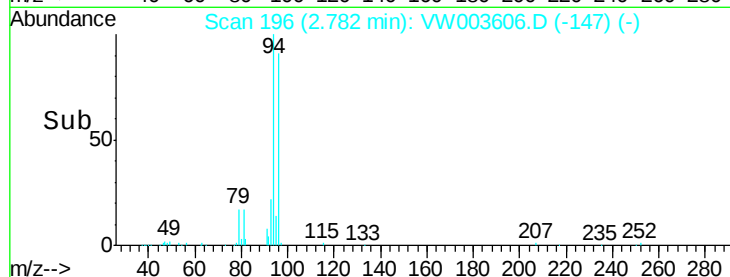
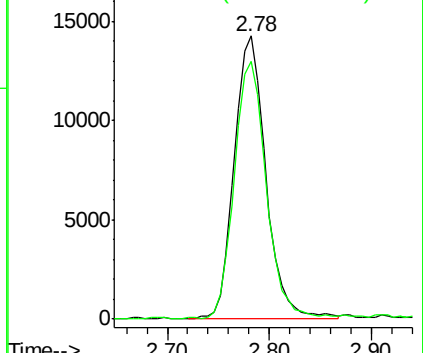
94 100

96 90.7 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: 20.21 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003606.D

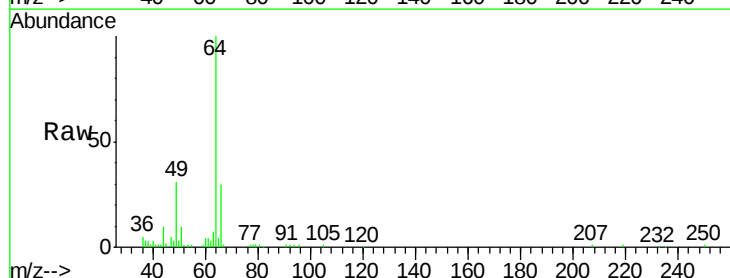
Acq: 27 Jun 2018 12:05

Tgt Ion: 64 Resp: 34221

Ion Ratio Lower Upper

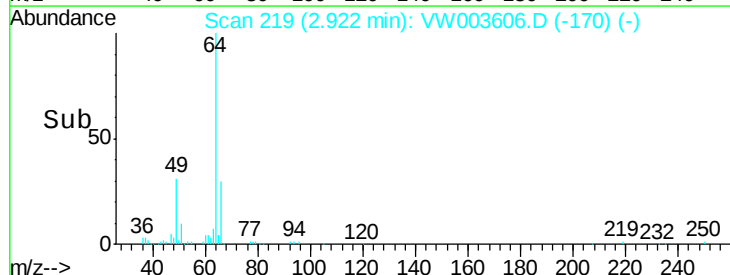
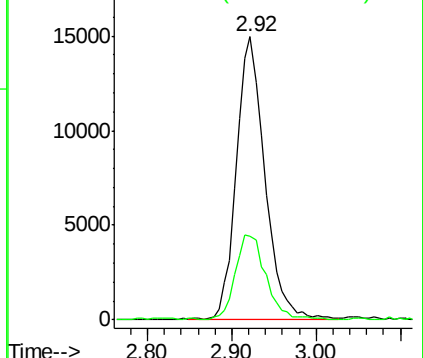
64 100

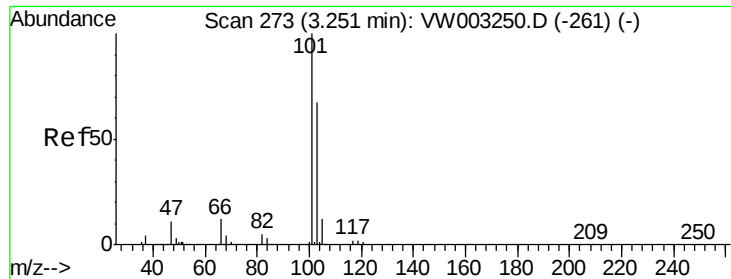
66 29.6 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



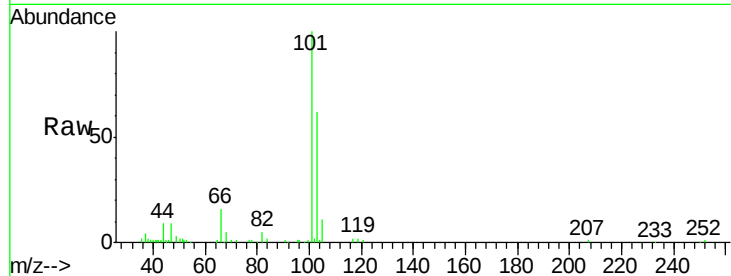


#7

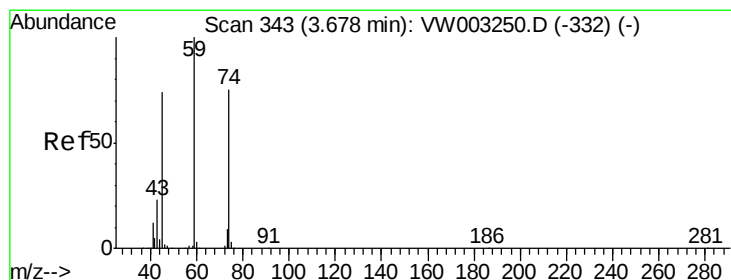
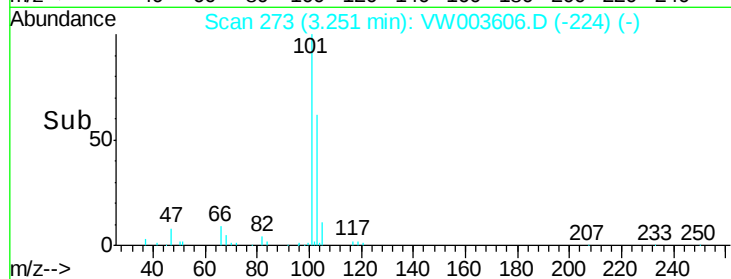
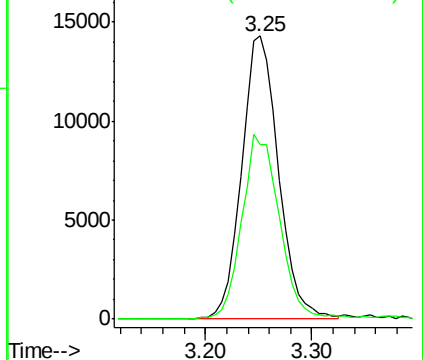
Trichlorofluoromethane
Concen: 23.81 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 34698
Ion Ratio Lower Upper
101 100
103 61.8 53.4 80.0



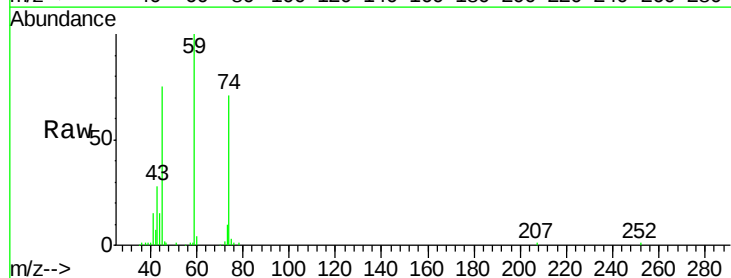
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



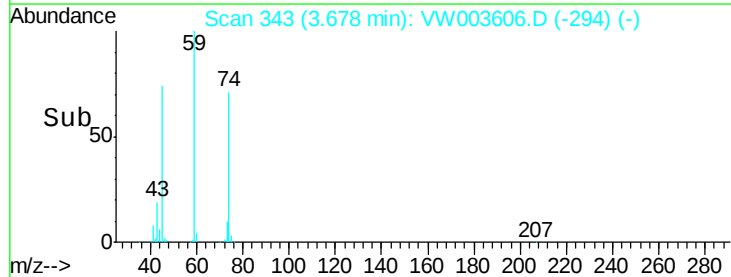
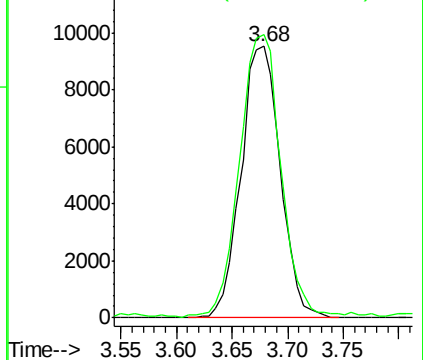
#8

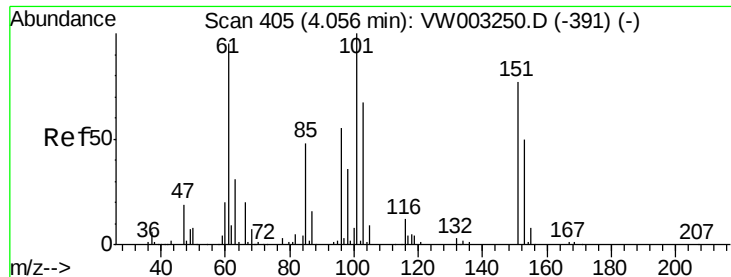
Diethyl Ether
Concen: 21.84 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 74 Resp: 23379
Ion Ratio Lower Upper
74 100
45 110.4 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.83 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

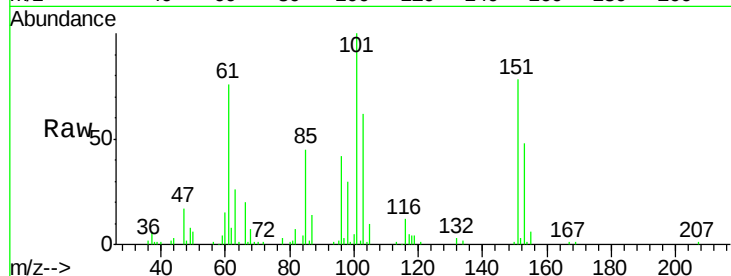
Tot Ion:101 Resp: 44164

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

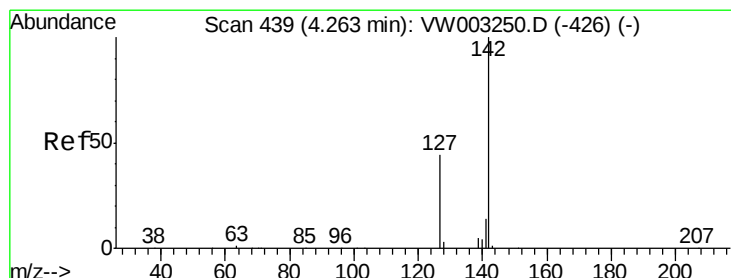
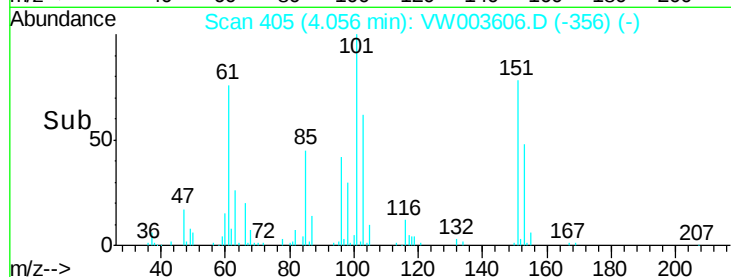
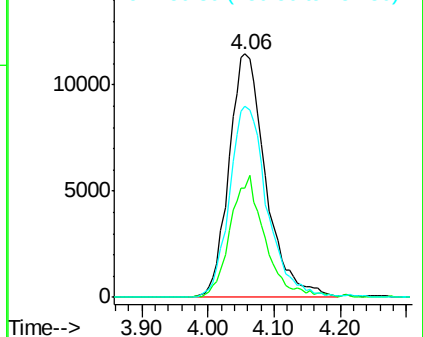
151 80.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.31 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

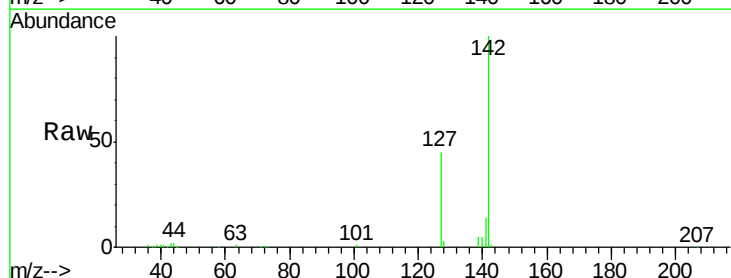
Tgt Ion:142 Resp: 65208

Ion Ratio Lower Upper

142 100

127 45.6 36.5 54.7

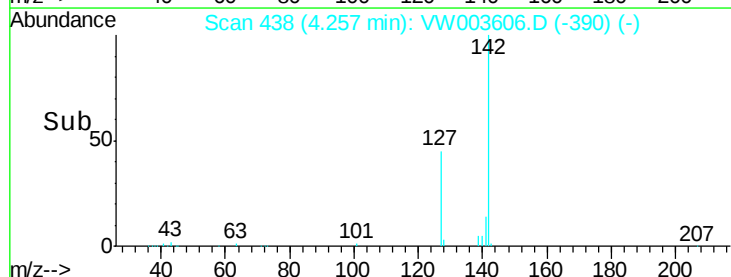
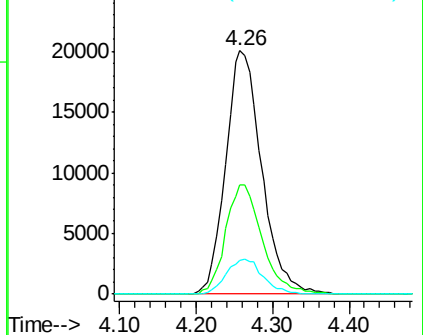
141 14.6 12.1 18.1

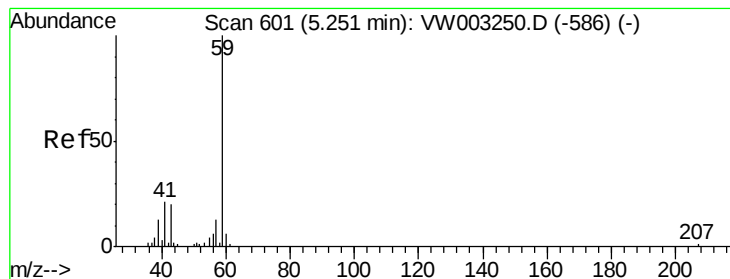


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 30.42 ug/l

RT: 5.23 min Scan# 598

Delta R.T. -0.02 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

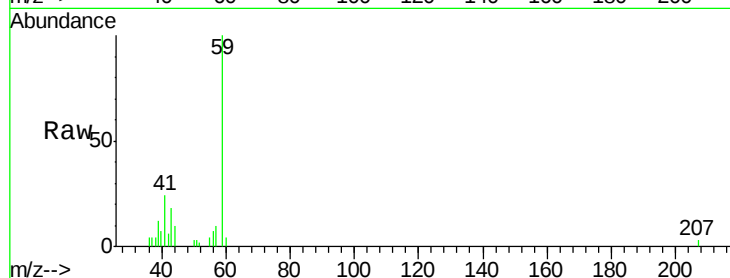
ClientSampled :

Tot Ion: 59 Resp: 3860

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

2500

2000

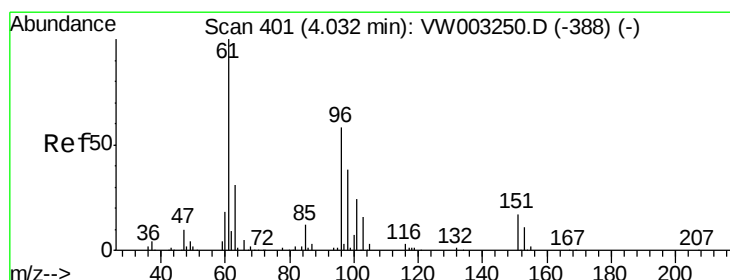
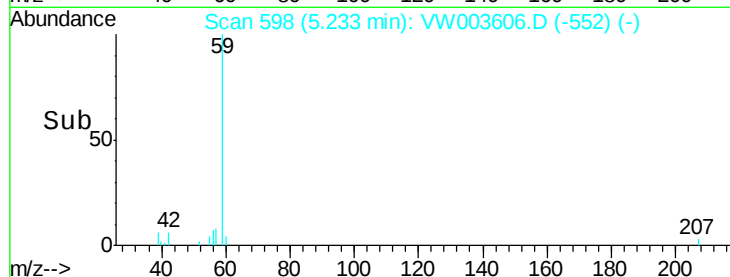
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 21.89 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

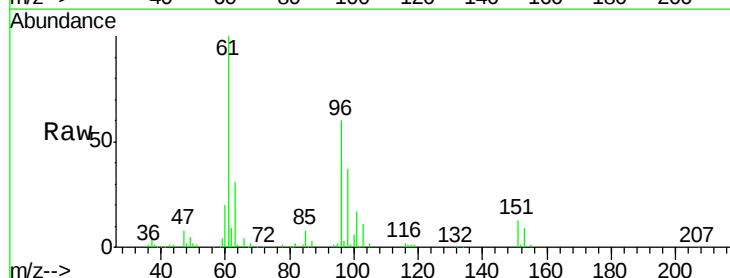
Tgt Ion: 96 Resp: 43289

Ion Ratio Lower Upper

96 100

61 167.1 139.0 208.4

98 62.4 53.3 79.9



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

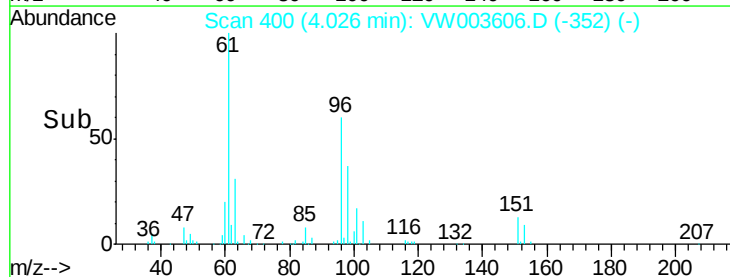
30000

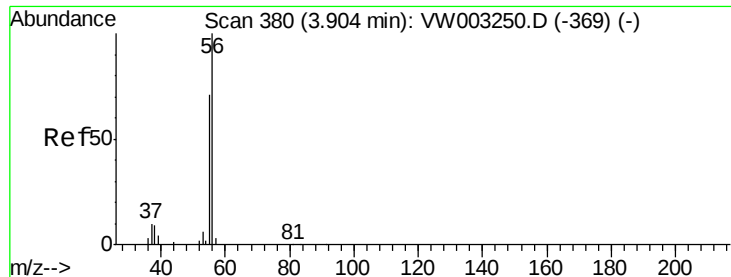
20000

10000

0

Time-->





#13

Acrolein

Concen: 67.68 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

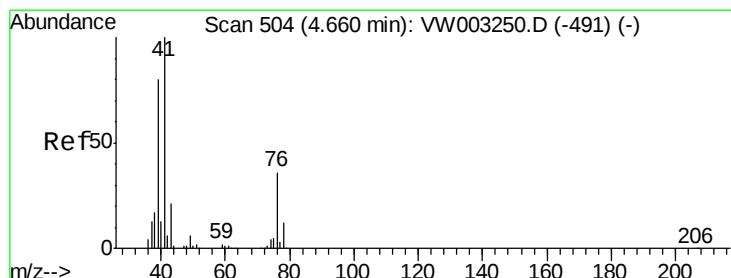
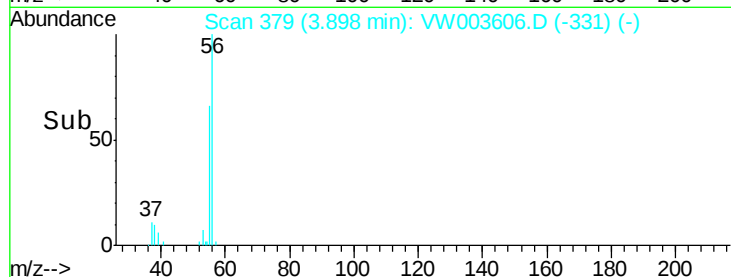
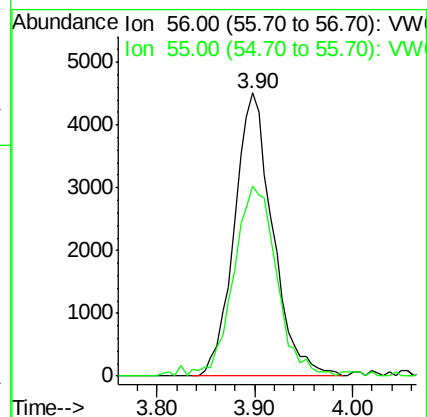
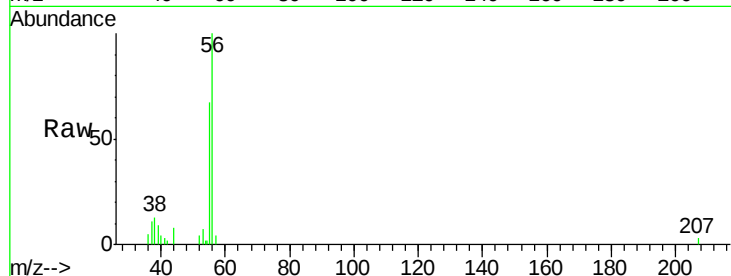
ClientSampleId :

Tot Ion: 56 Resp: 12278

Ion Ratio Lower Upper

56 100

55 74.5 55.4 83.2



#14

Allyl chloride

Concen: 21.46 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

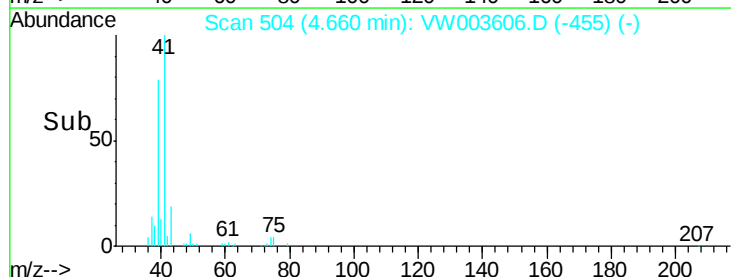
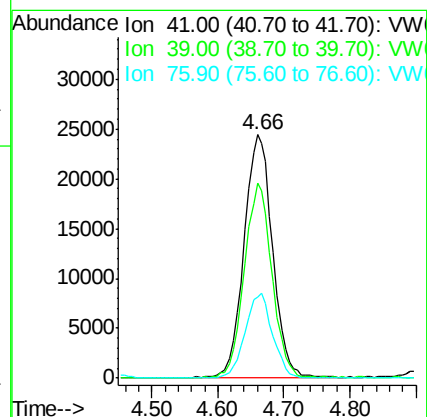
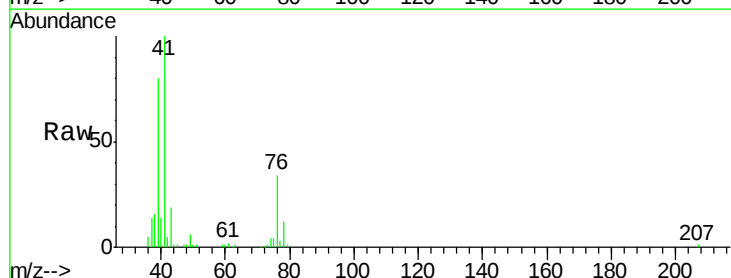
Tgt Ion: 41 Resp: 73492

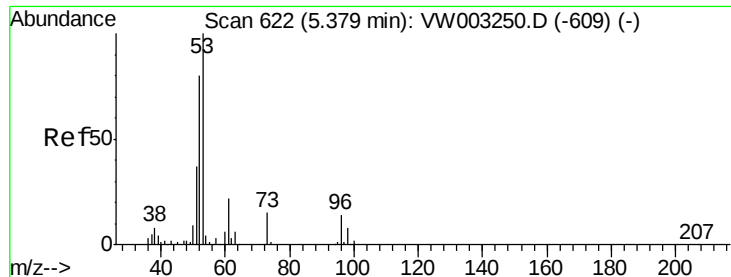
Ion Ratio Lower Upper

41 100

39 77.9 63.2 94.8

76 33.2 28.0 42.0





#15

Acrylonitrile

Concen: 107.59 ug/l

RT: 5.38 min Scan# 622

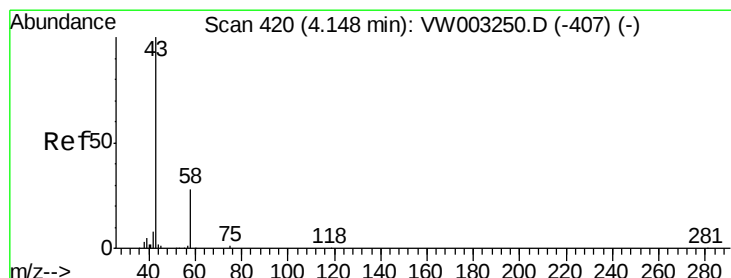
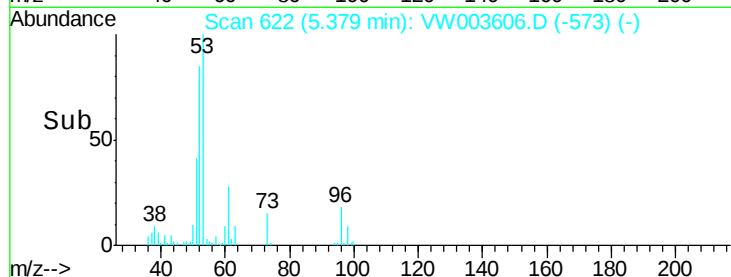
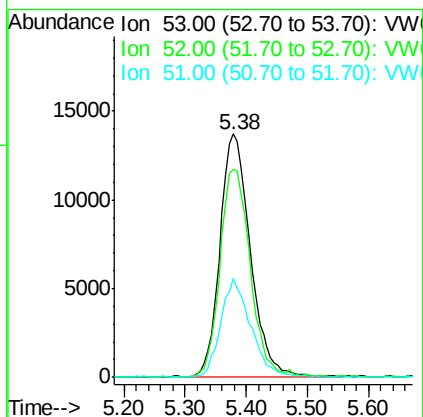
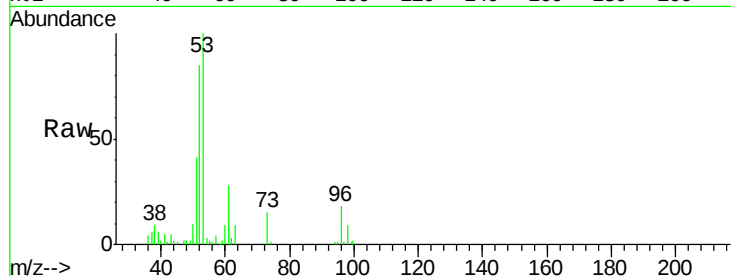
Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	47383
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.6	100.0
51	39.8	30.6	46.0



#16

Acetone

Concen: 115.50 ug/l

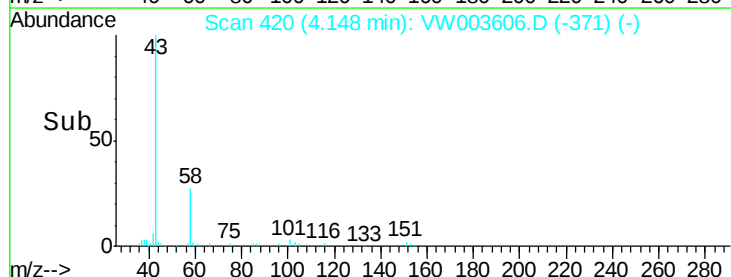
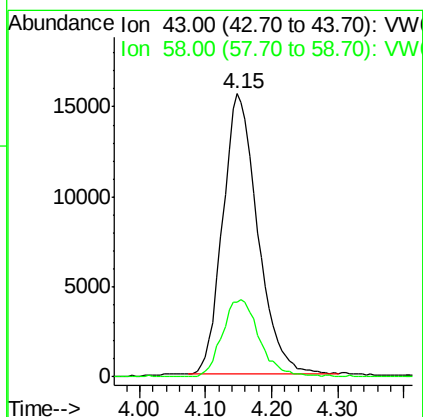
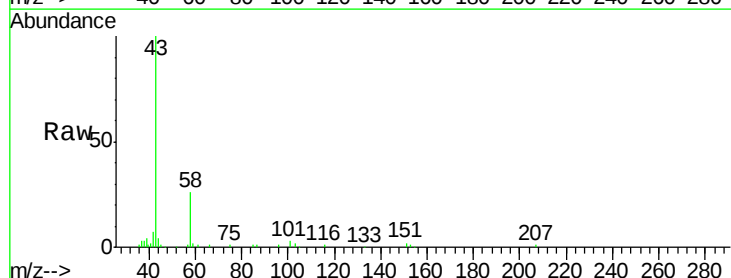
RT: 4.15 min Scan# 420

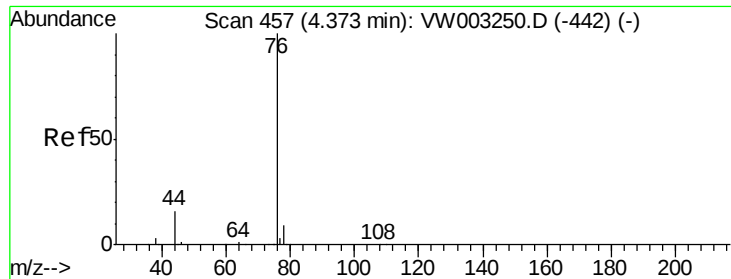
Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Tgt Ion:	43	Resp:	57310
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.6	34.0

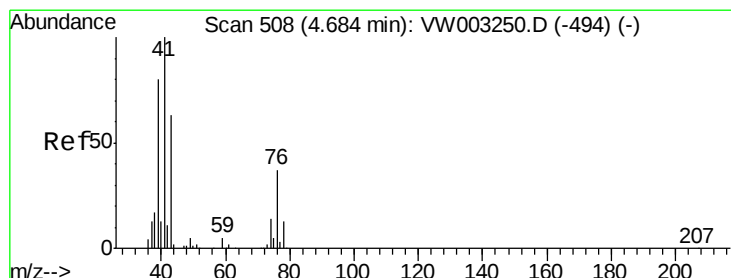
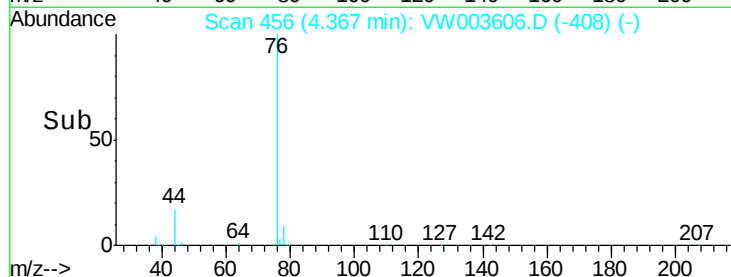
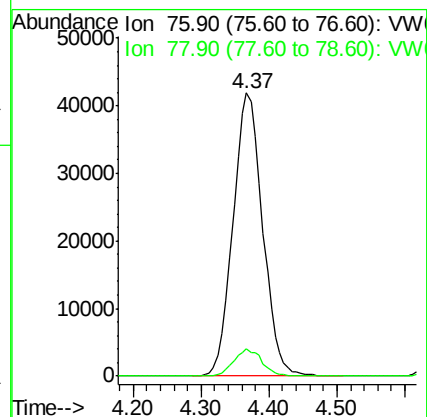
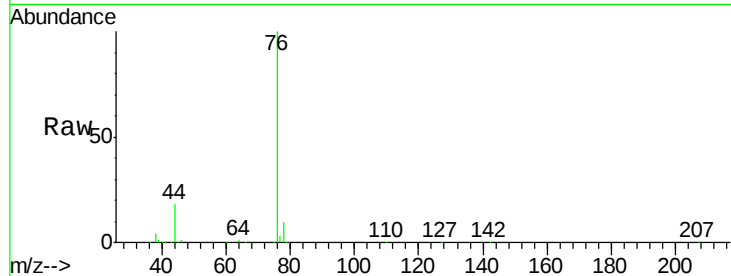




#17
Carbon Disulfide
Concen: 21.60 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

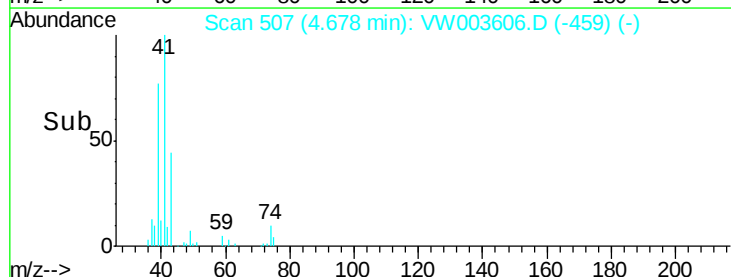
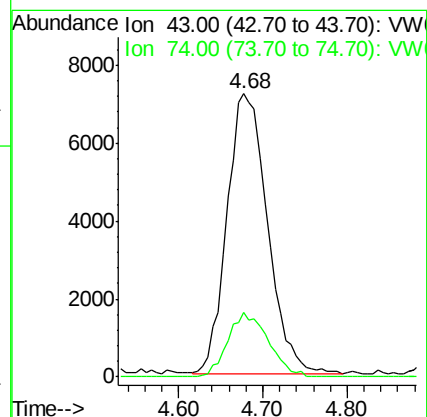
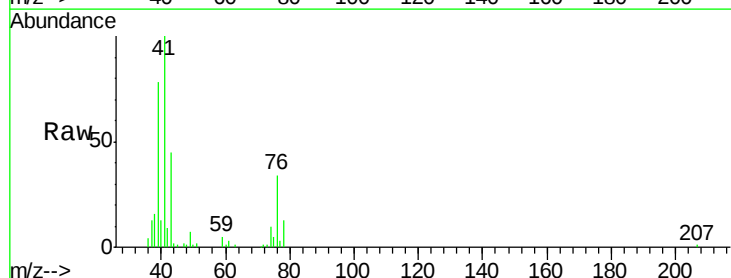
Instrument :
MSVOA_W
ClientSampleId :

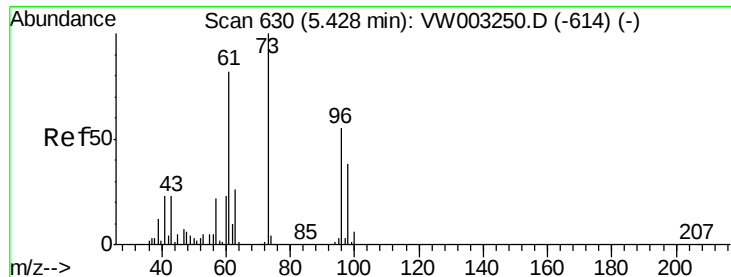
Tot Ion: 76 Resp: 126234
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.89 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 43 Resp: 23412
Ion Ratio Lower Upper
43 100
74 23.1 18.7 28.1



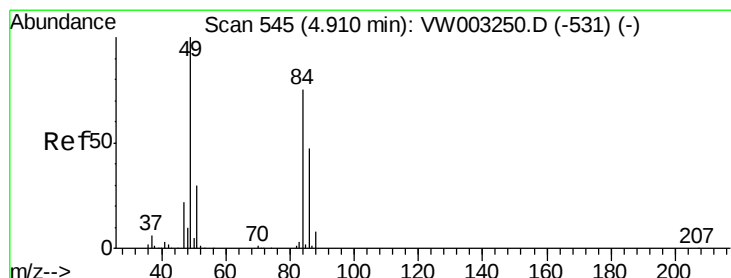
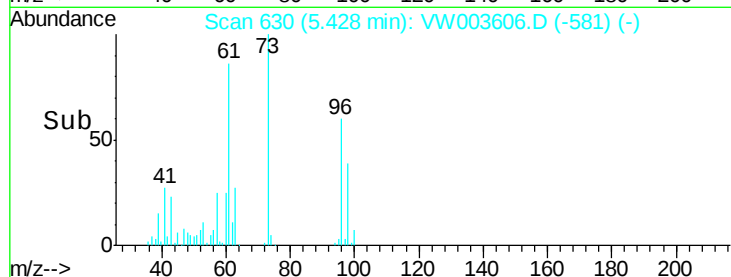
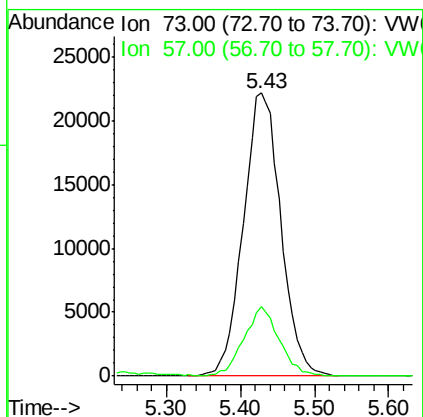
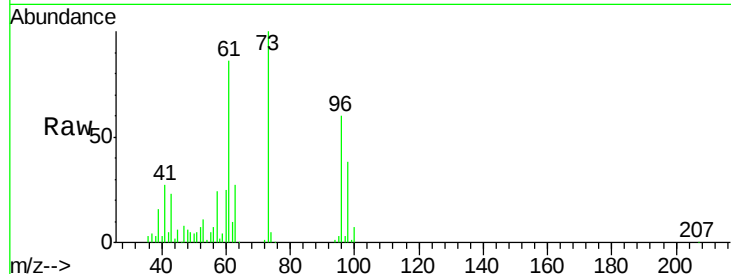


#19

Methyl tert-butyl Ether
 Concen: 21.14 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Instrument :
 MSVOA_W
 ClientSampled :

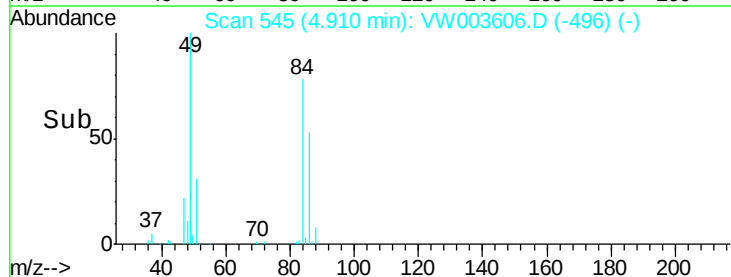
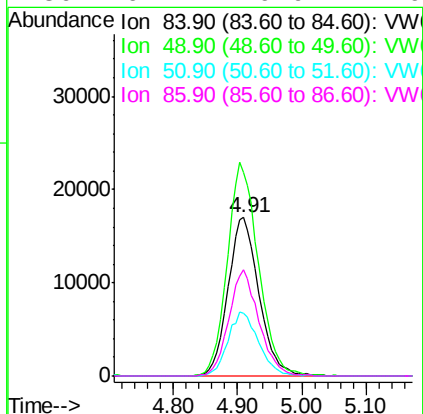
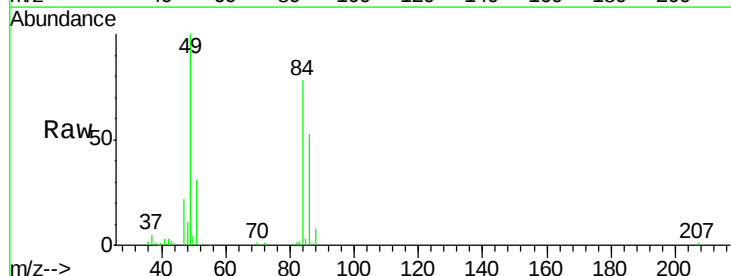
Tot Ion: 73 Resp: 78294
 Ion Ratio Lower Upper
 73 100
 57 24.5 18.0 27.0

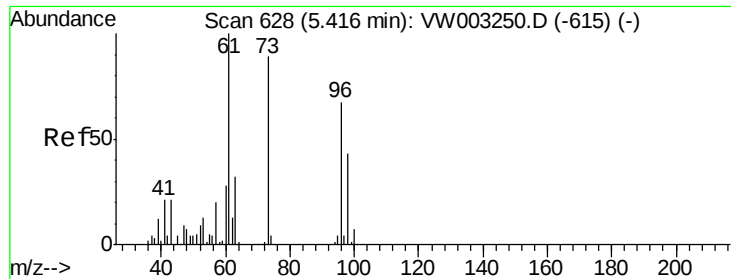


#20

Methylene Chloride
 Concen: 25.24 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion: 84 Resp: 57025
 Ion Ratio Lower Upper
 84 100
 49 128.2 106.3 159.5
 51 39.6 32.0 48.0
 86 67.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.38 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

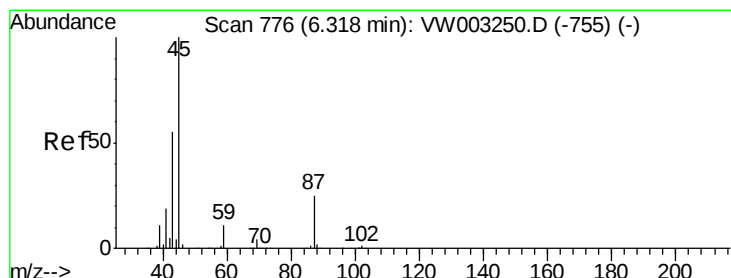
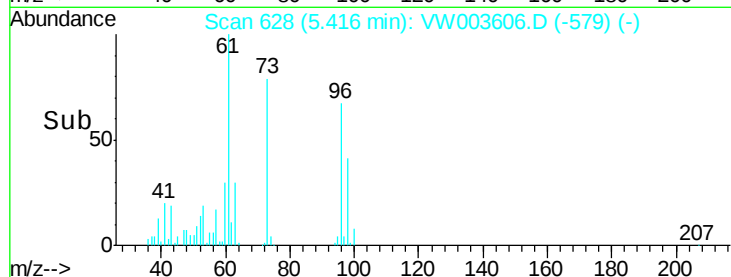
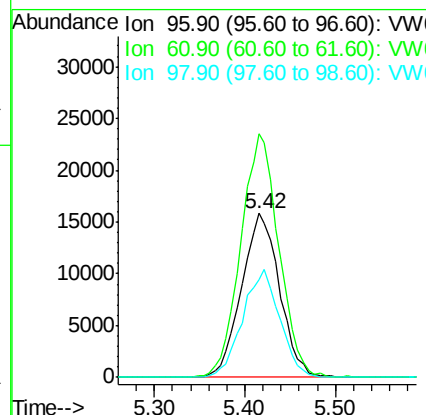
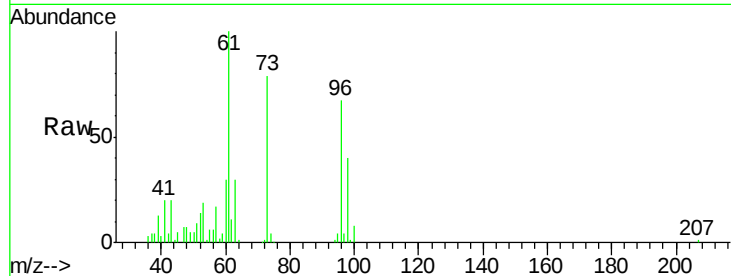
Tot Ion: 96 Resp: 46010

Ion Ratio Lower Upper

96 100

61 148.8 118.7 178.1

98 60.1 51.0 76.6



#22

Diisopropyl ether

Concen: 21.94 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Tgt Ion: 45 Resp: 151218

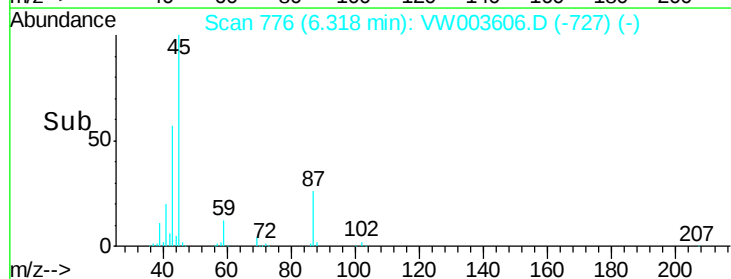
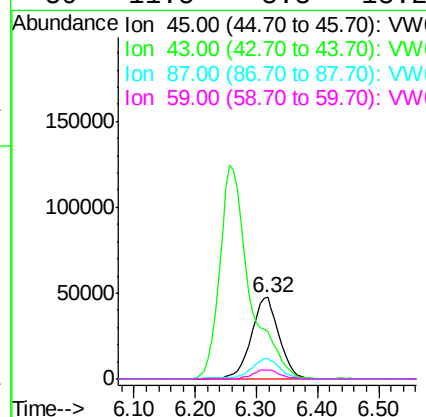
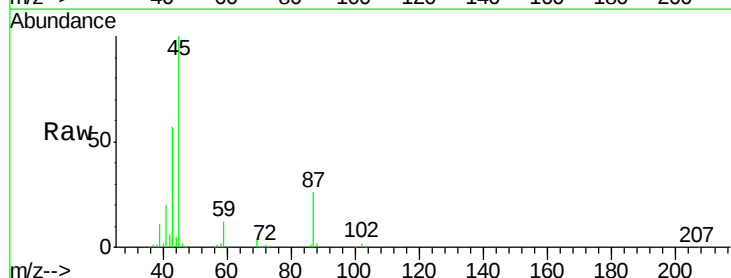
Ion Ratio Lower Upper

45 100

43 56.9 44.0 66.0

87 25.9 20.6 31.0

59 11.5 8.8 13.2

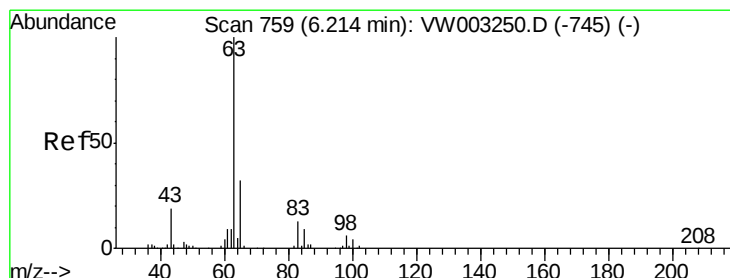
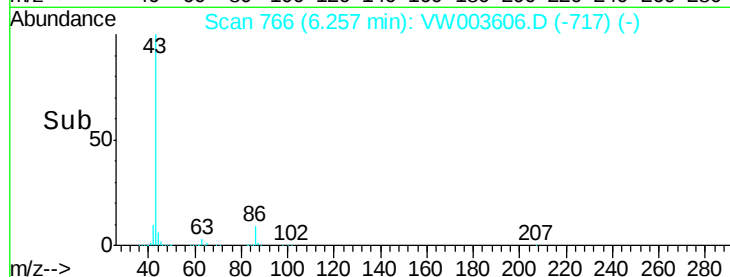
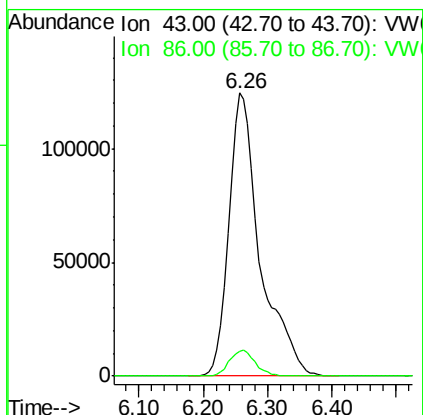
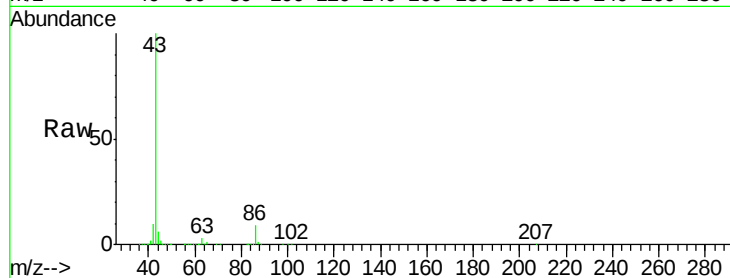




#23
 Vinyl Acetate
 Concen: 106.71 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

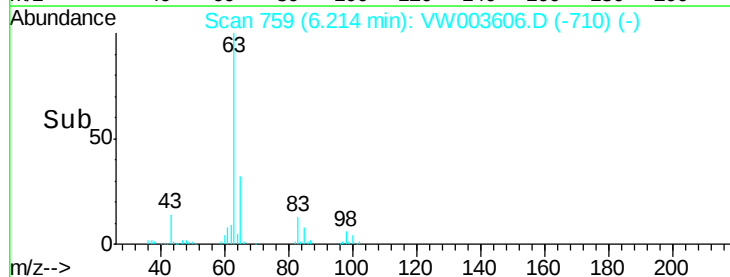
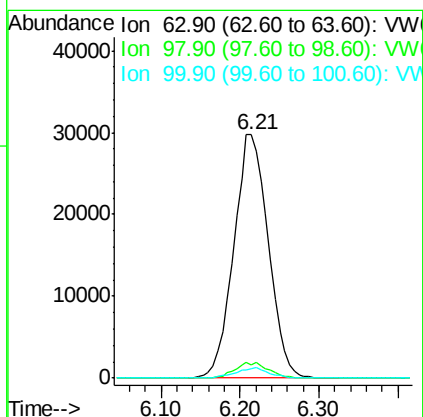
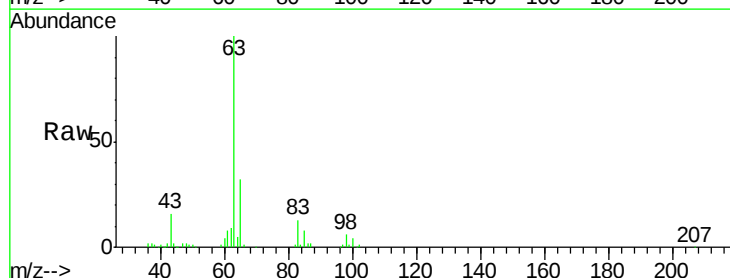
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 43 Resp: 423878
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 22.11 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion: 63 Resp: 90475
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 109.72 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

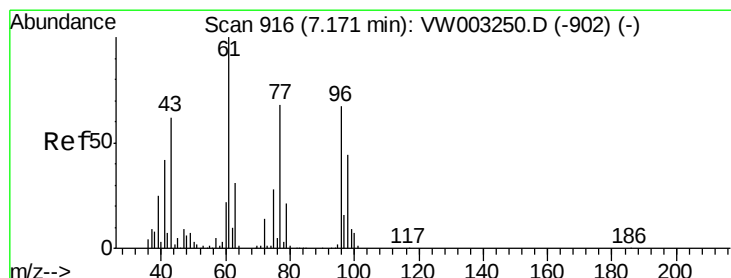
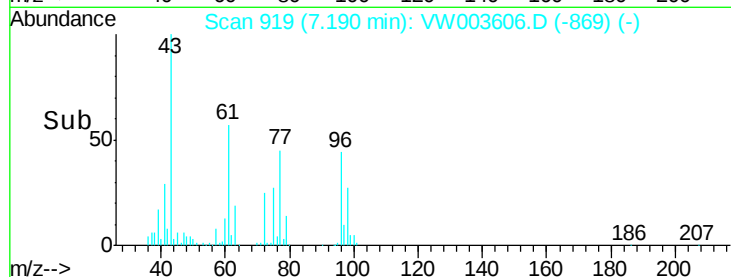
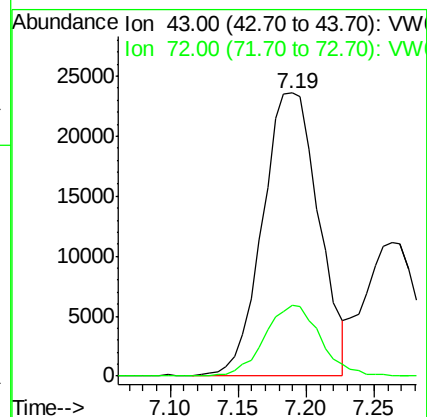
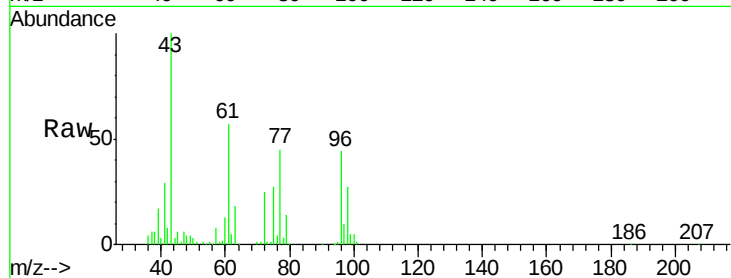
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 67697

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 22.16 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003606.D

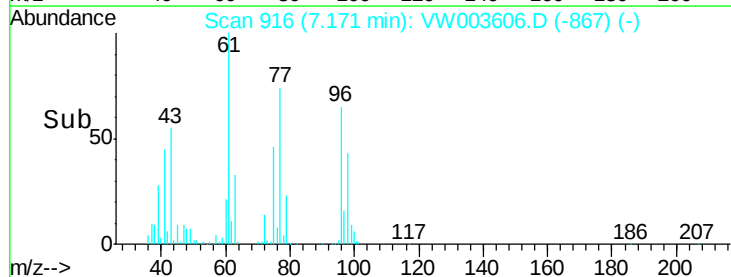
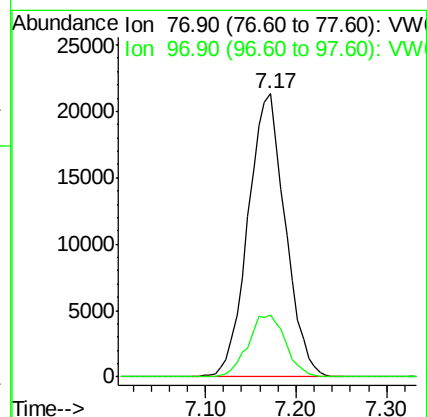
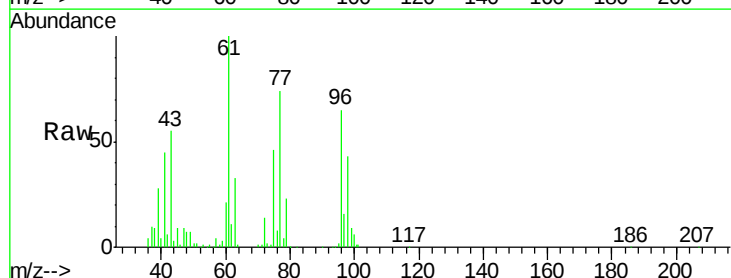
Acq: 27 Jun 2018 12:05

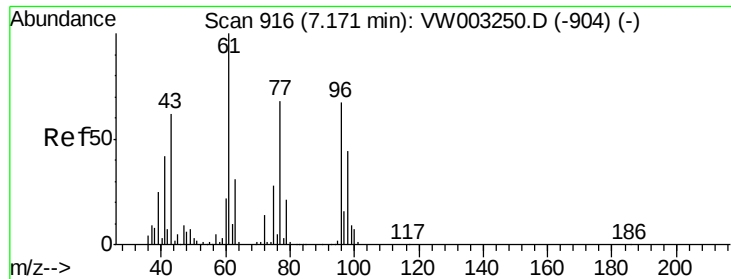
Tgt Ion: 77 Resp: 60512

Ion Ratio Lower Upper

77 100

97 22.1 11.3 33.9



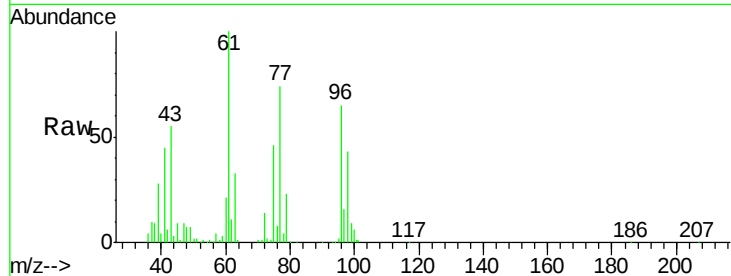


#27

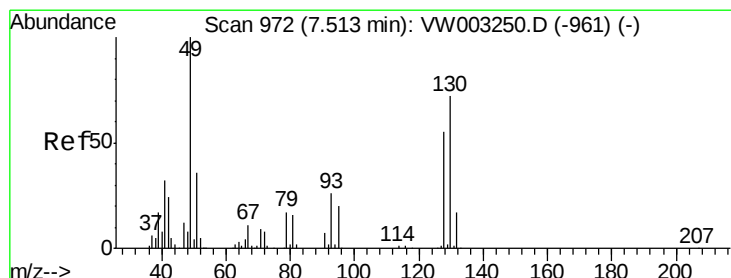
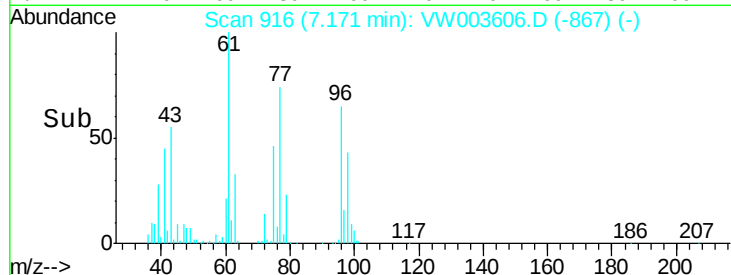
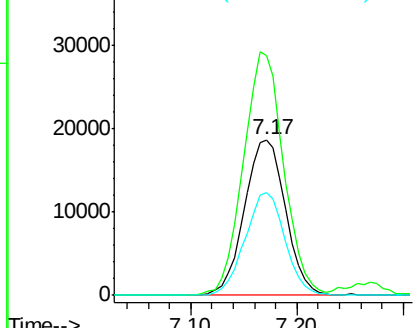
cis-1,2-Dichloroethene
Concen: 21.39 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 50564
Ion Ratio Lower Upper
96 100
61 153.0 0.0 298.8
98 64.3 0.0 130.4



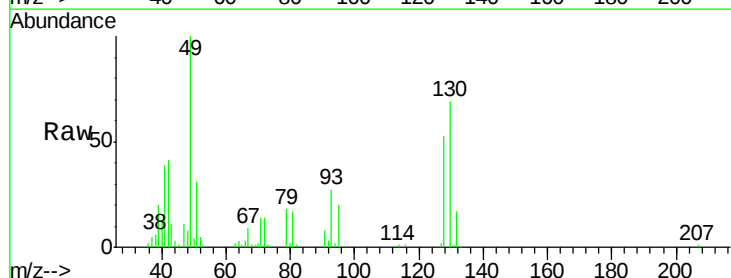
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



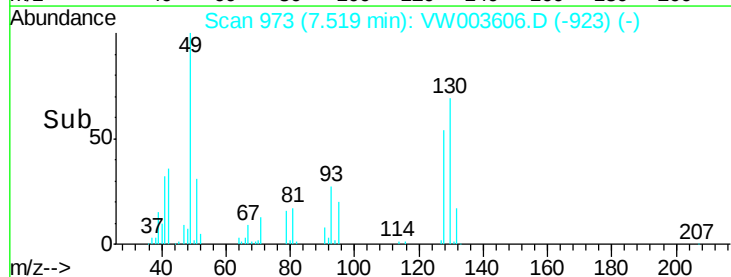
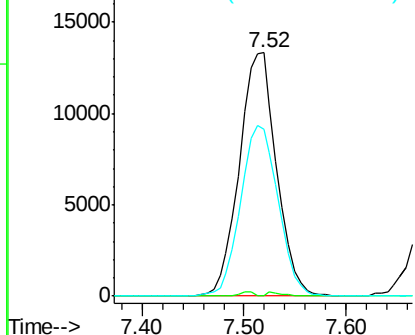
#28

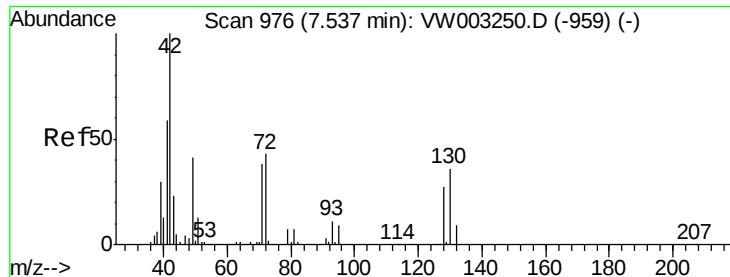
Bromochloromethane
Concen: 19.82 ug/l
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 49 Resp: 33752
Ion Ratio Lower Upper
49 100
129 0.7 0.0 4.6
130 71.1 59.4 89.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

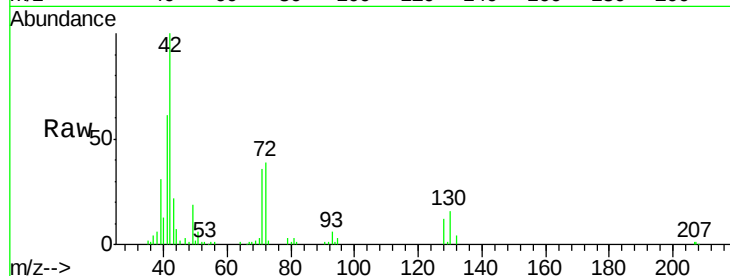




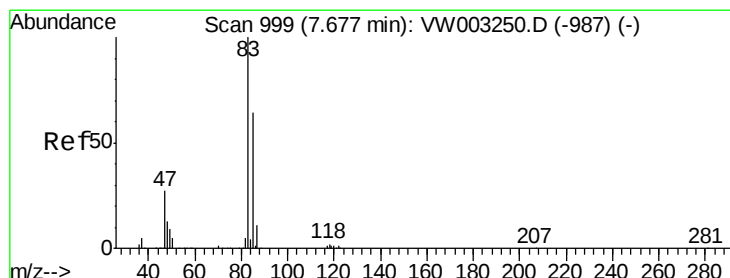
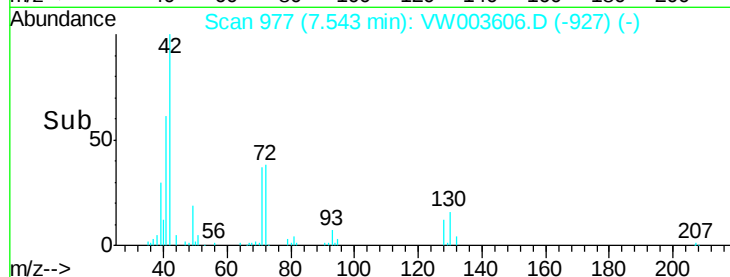
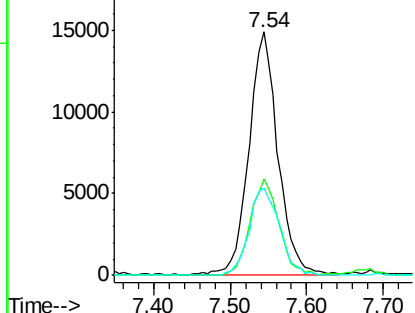
#29
Tetrahydrofuran
Concen: 104.90 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 39556
Ion Ratio Lower Upper
42 100
72 38.9 32.4 48.6
71 37.6 31.2 46.8

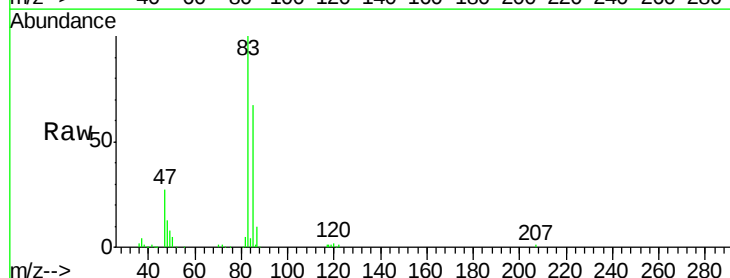


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

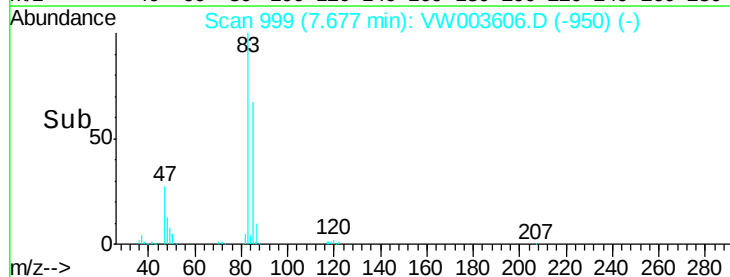
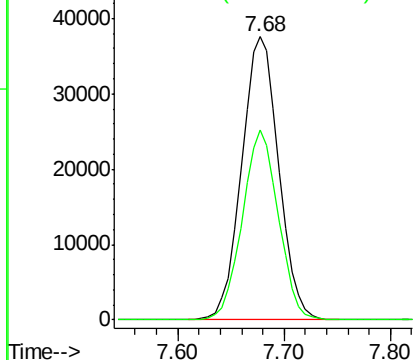


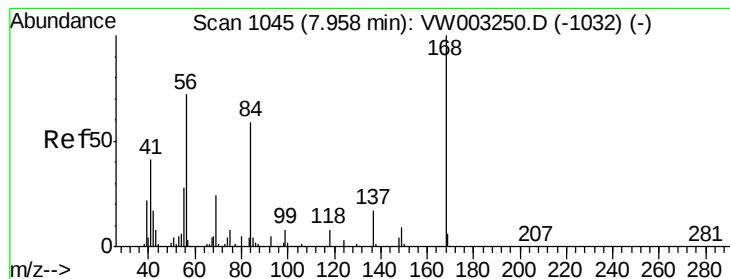
#30
Chloroform
Concen: 21.95 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 83 Resp: 91494
Ion Ratio Lower Upper
83 100
85 66.9 51.3 76.9



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





#31

Cyclohexane

Concen: 21.46 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

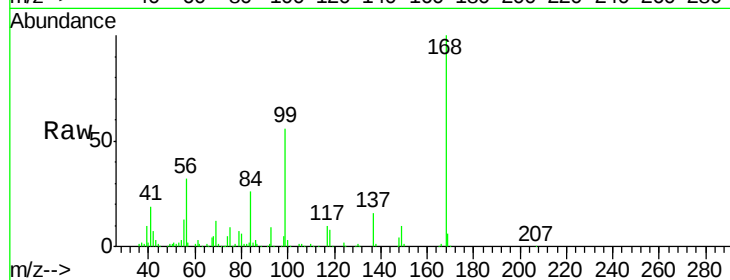
Tot Ion: 56 Resp: 82035

Ion Ratio Lower Upper

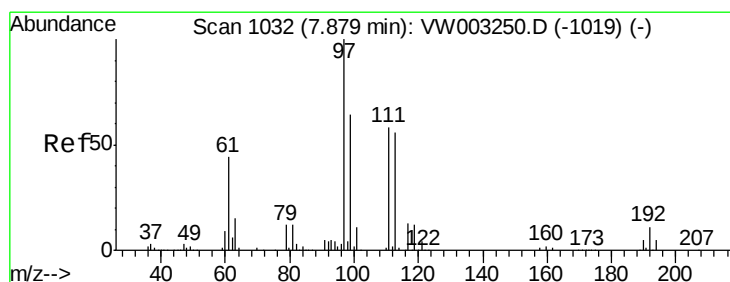
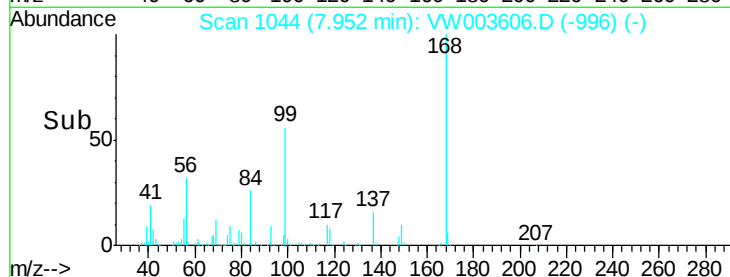
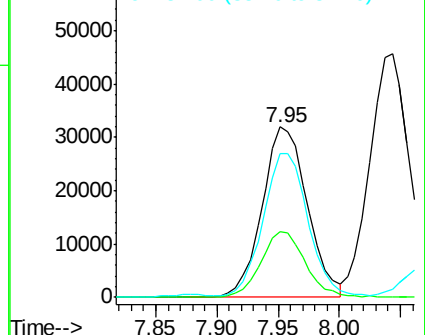
56 100

69 38.7 26.3 39.5

84 82.5 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: 22.07 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

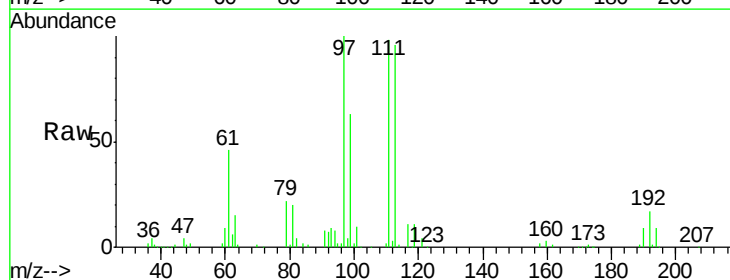
Tgt Ion: 97 Resp: 75944

Ion Ratio Lower Upper

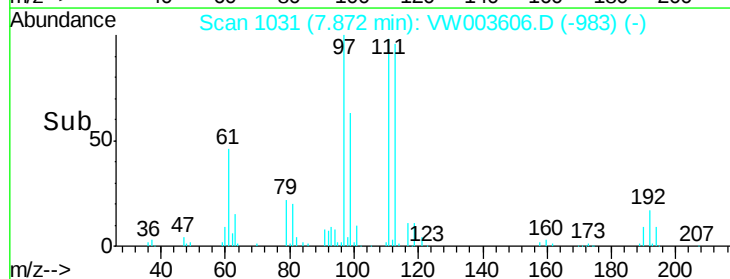
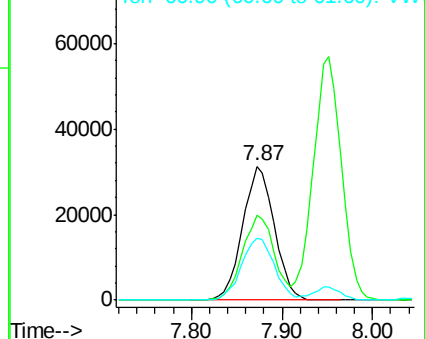
97 100

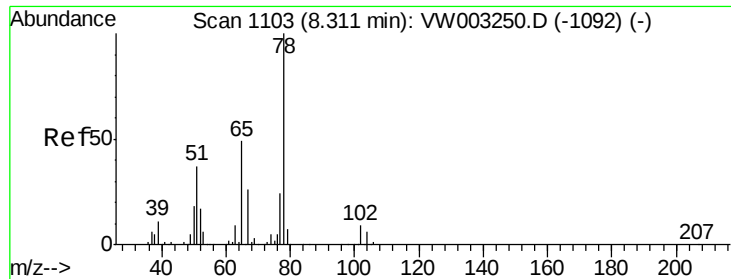
99 64.0 51.7 77.5

61 47.8 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 50.86 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

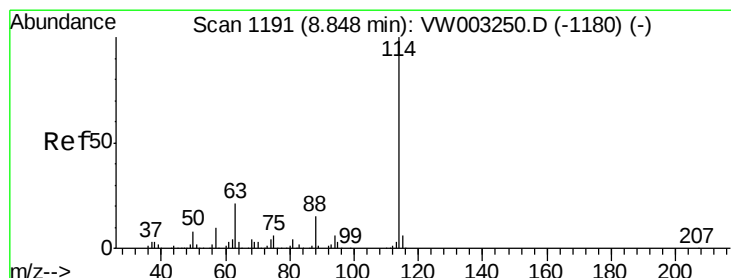
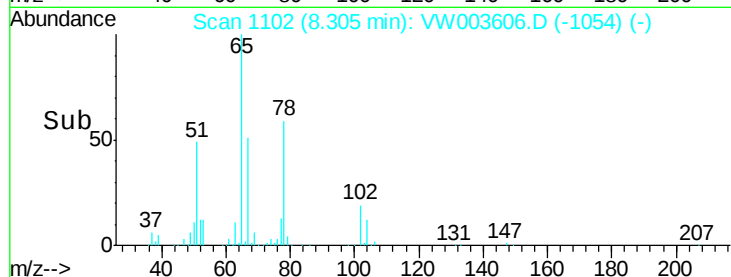
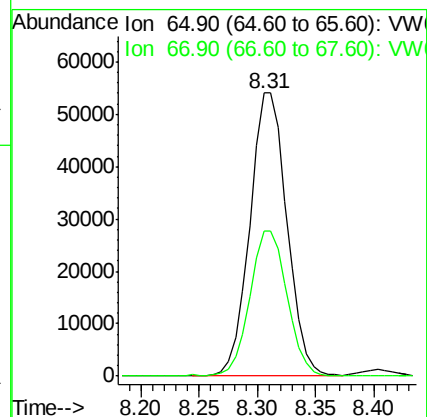
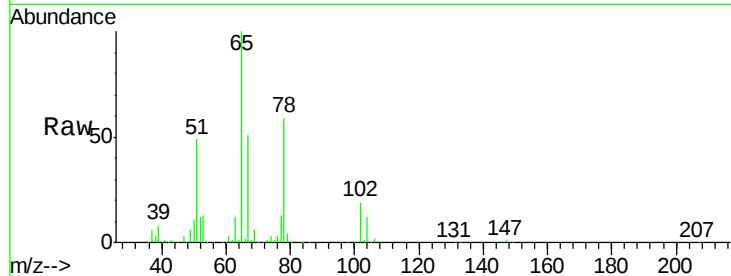
ClientSampleId :

Tot Ion: 65 Resp: 120326

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

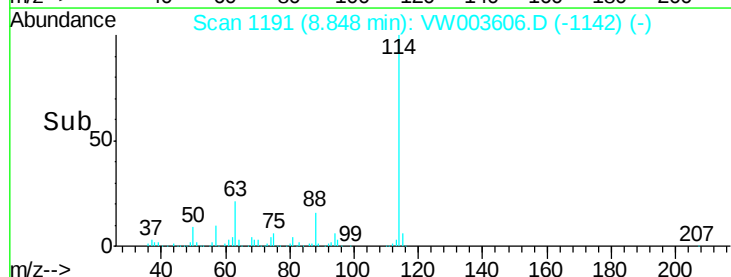
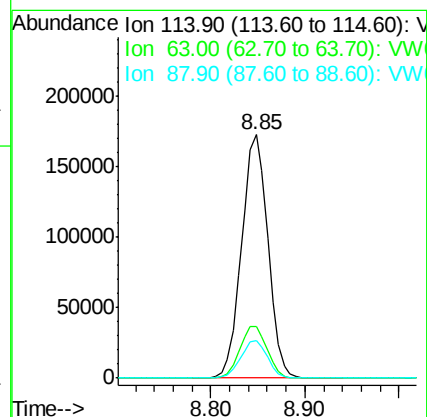
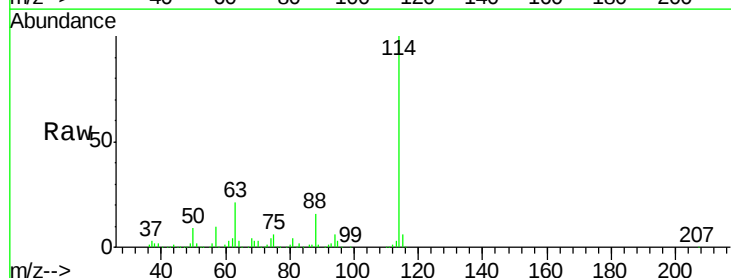
Tgt Ion: 114 Resp: 335037

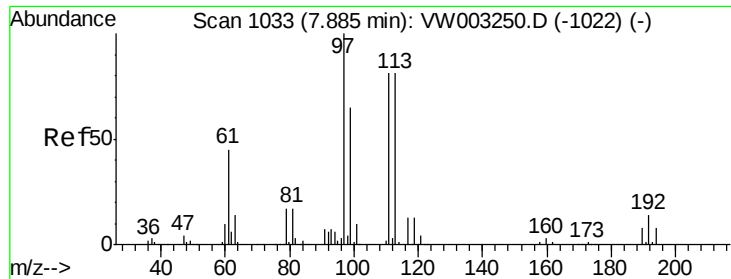
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 15.6 0.0 29.6

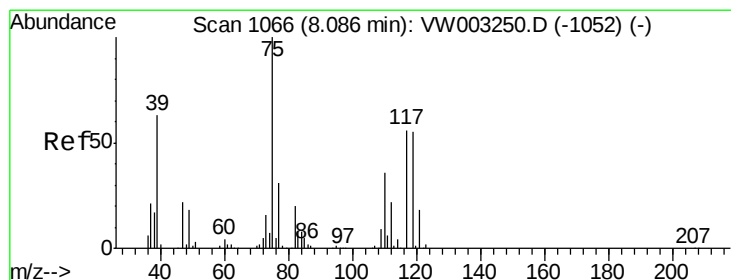
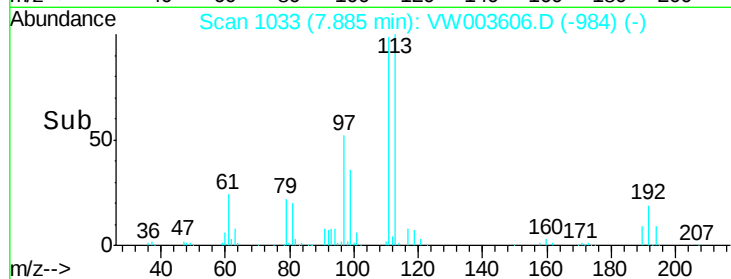
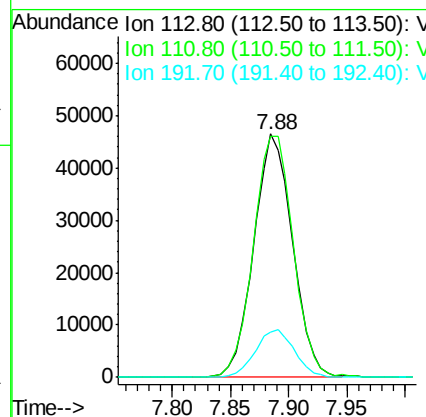
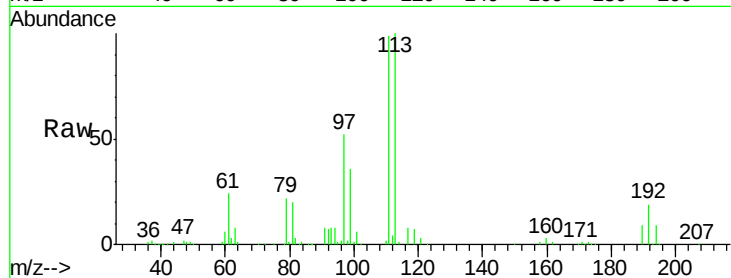




#35
 Dibromofluoromethane
 Concen: 51.64 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

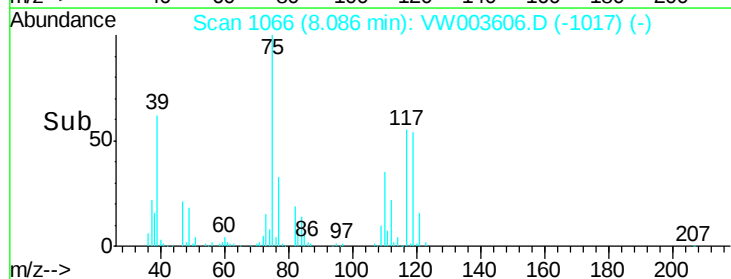
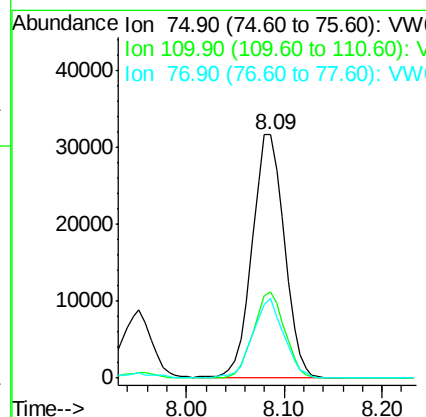
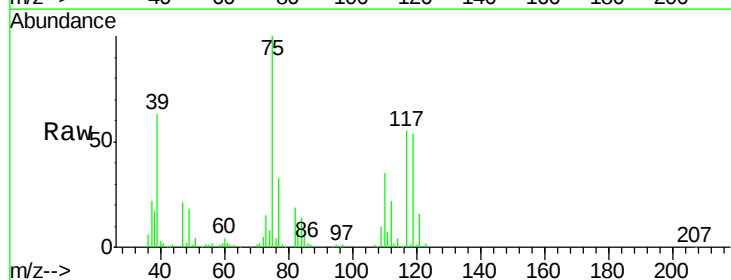
Instrument :
 MSVOA_W
 ClientSampleId :

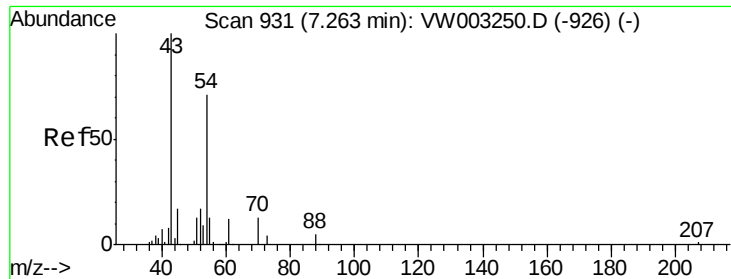
Tot Ion:113 Resp: 107507
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 22.46 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion: 75 Resp: 72657
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.1 51.3
 77 31.6 24.9 37.3

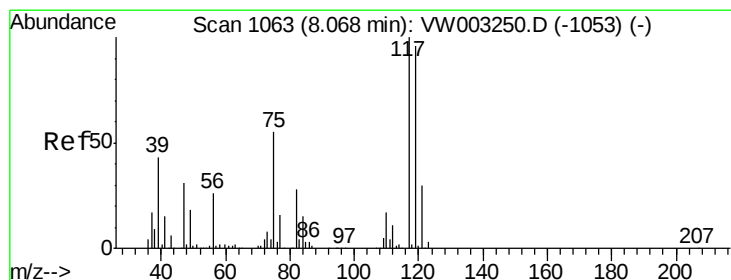
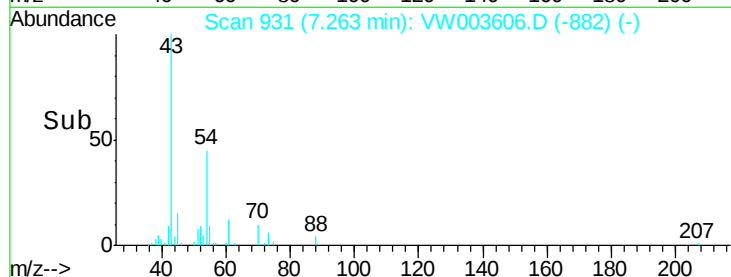
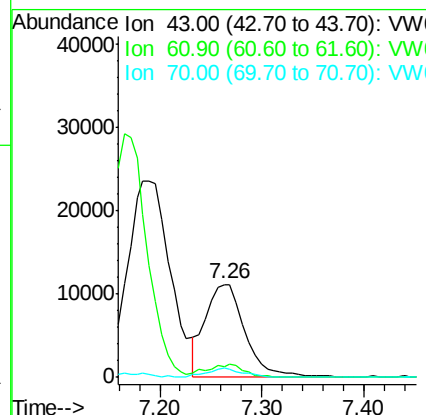
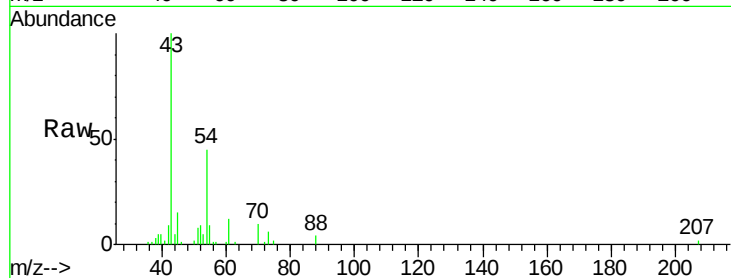




#37
Ethyl Acetate
Concen: 22.22 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

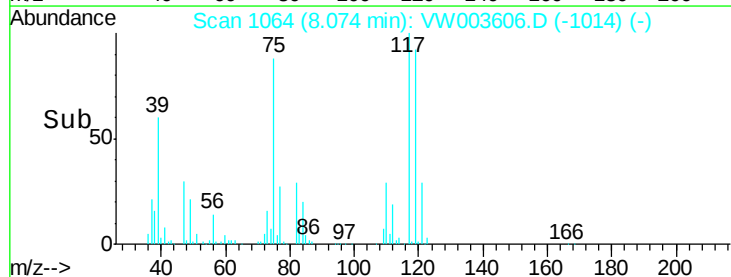
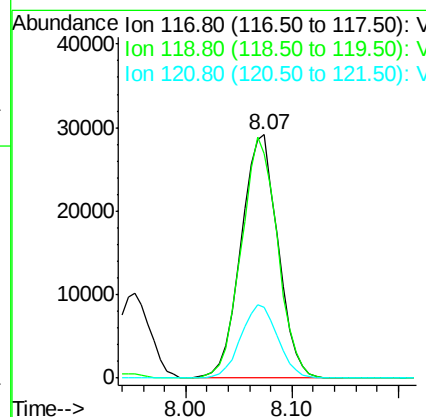
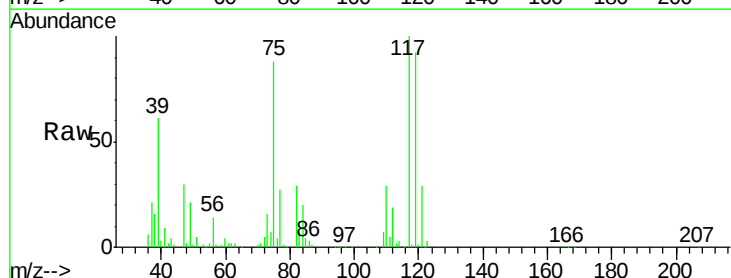
Instrument :
MSVOA_W
ClientSampleId :

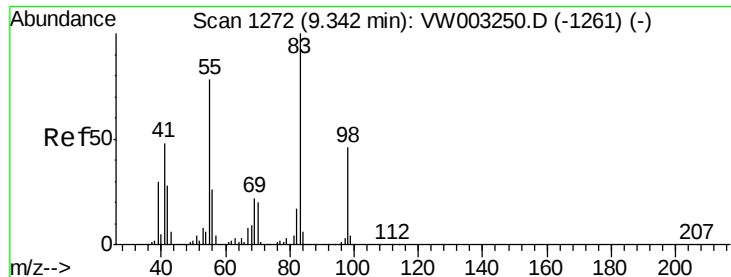
Tot Ion: 43 Resp: 29786
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 9.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 22.38 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 117 Resp: 71021
Ion Ratio Lower Upper
117 100
119 92.0 76.6 115.0
121 28.9 23.9 35.9

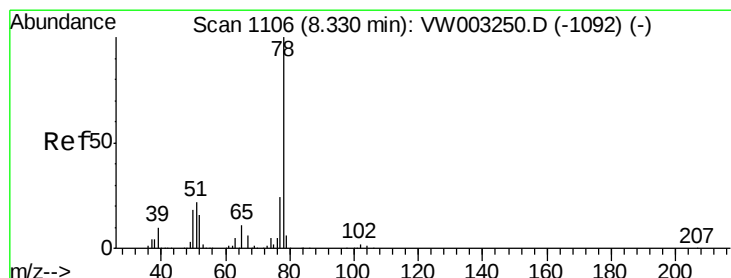
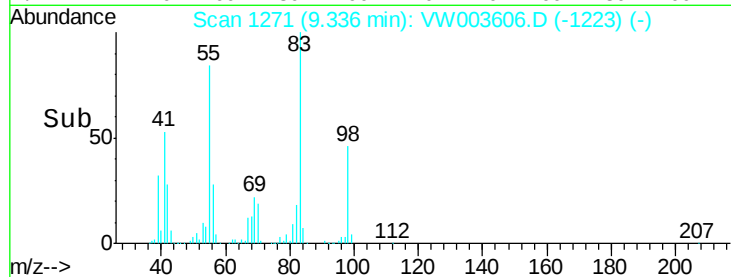
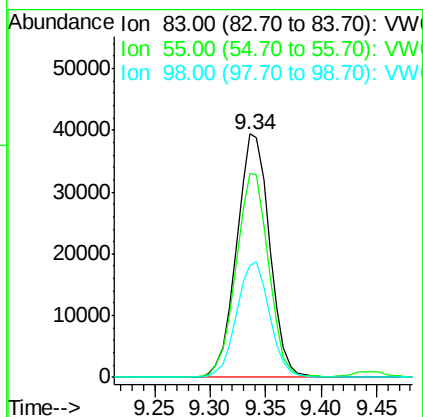
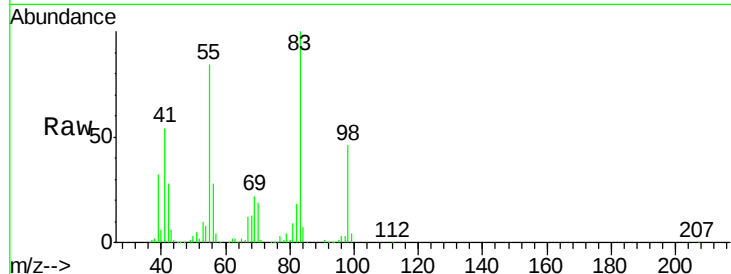




#39
Methvlcvclohexane
Concen: 21.61 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

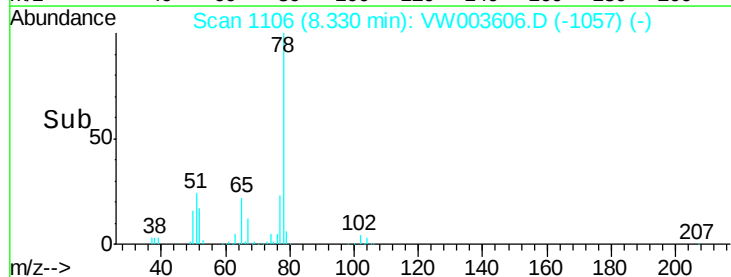
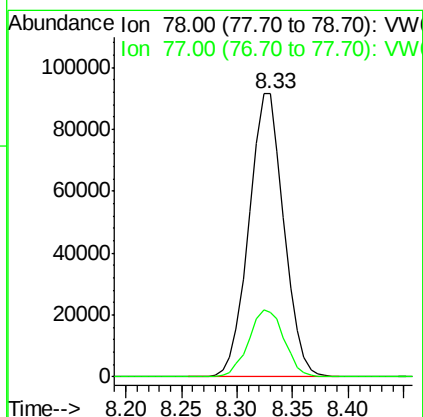
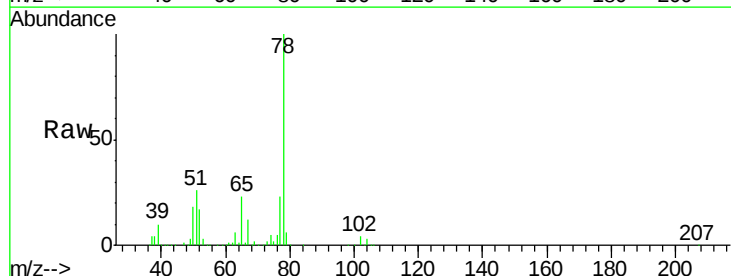
Instrument :
MSVOA_W
ClientSampled :

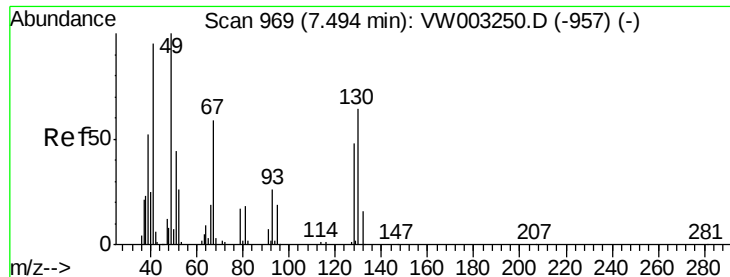
Tot Ion: 83 Resp: 80892
Ion Ratio Lower Upper
83 100
55 83.7 62.6 93.8
98 46.0 37.0 55.4



#40
Benzene
Concen: 22.44 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 78 Resp: 200170
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6

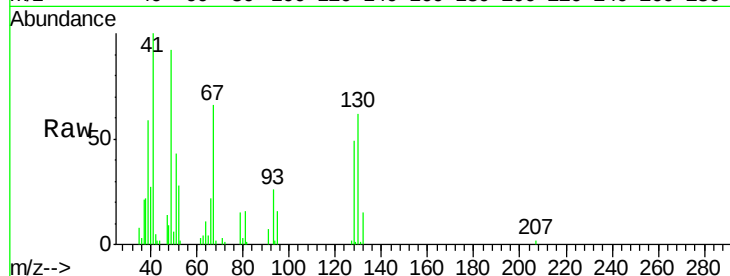




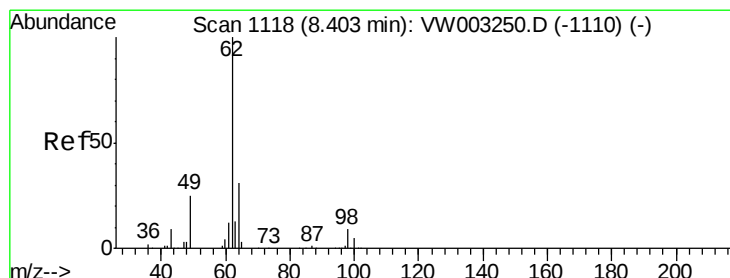
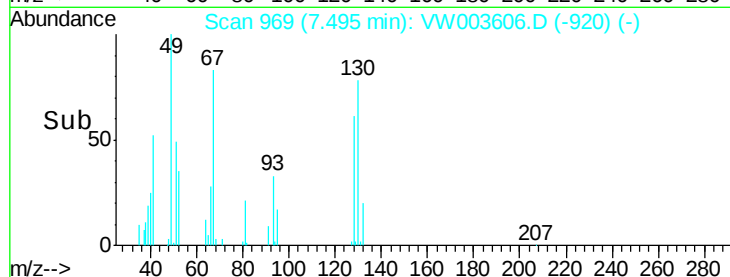
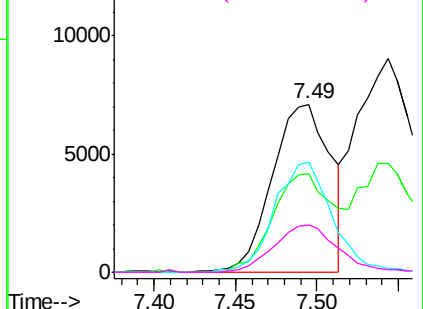
#41
Methacrylonitrile
Concen: 21.41 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	17611
Ion	Ratio	Lower	Upper
41	100		
39	64.1	45.8	68.8
67	64.8	52.3	78.5
52	30.9	24.1	36.1

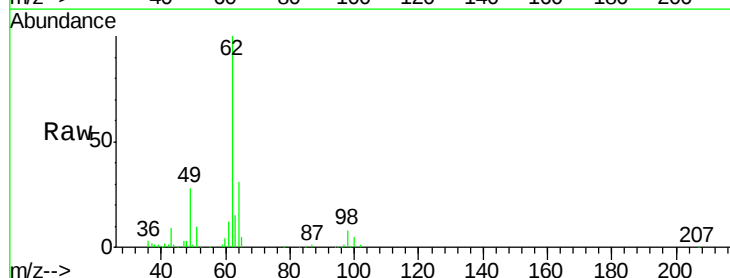


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

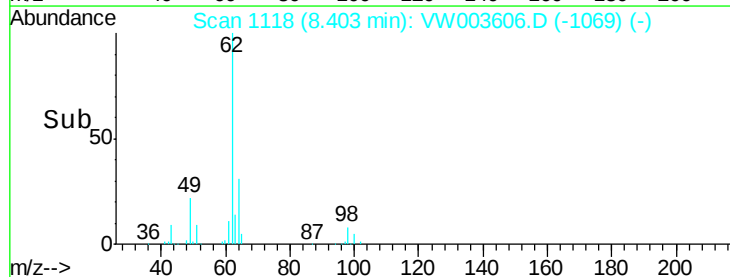
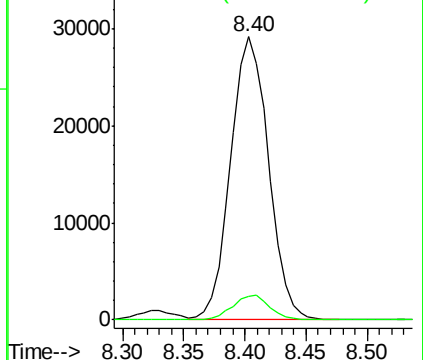


#42
1,2-Dichloroethane
Concen: 22.48 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion:	62	Resp:	62810
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



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

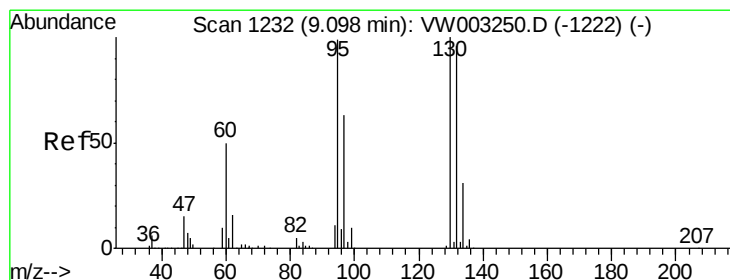
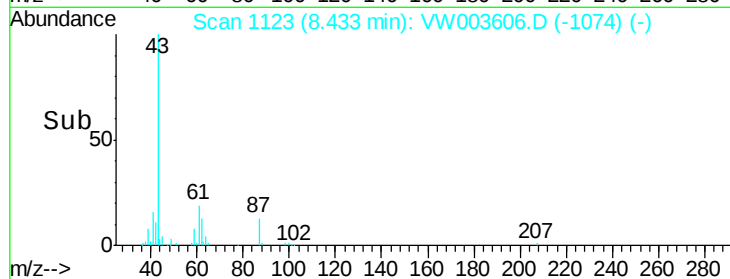
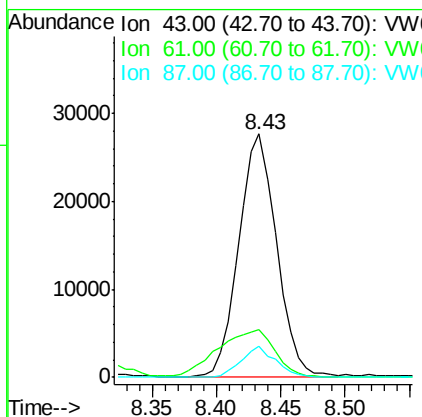
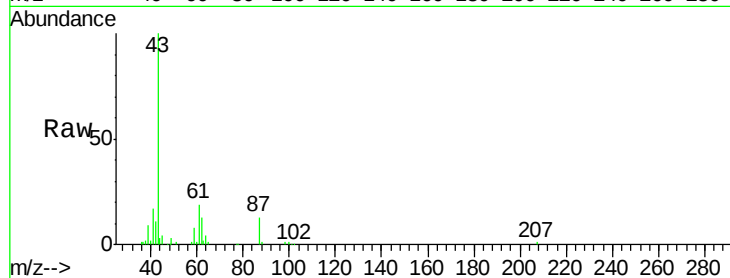




#43
Isopropyl Acetate
Concen: 21.17 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

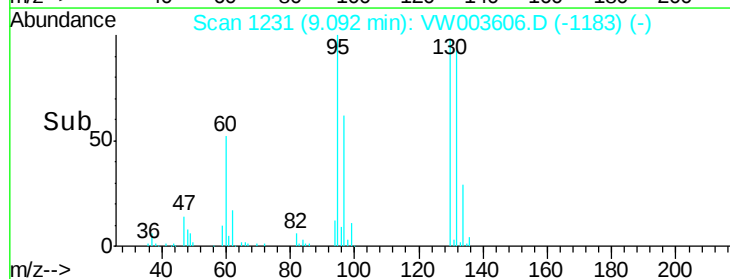
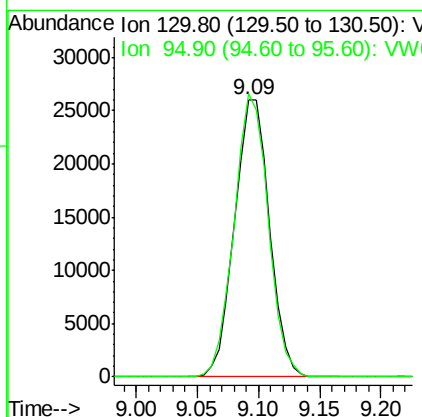
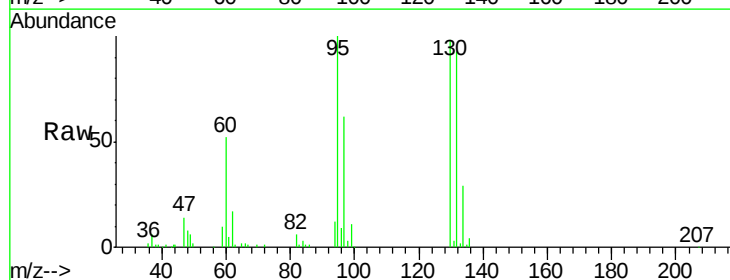
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	43	Resp	56345
Ion Ratio	Lower	Upper	
43	100		
61	29.9	23.1	34.7
87	11.8	9.8	14.6



#44
Trichloroethene
Concen: 21.84 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion	130	Resp	51620
Ion Ratio	Lower	Upper	
130	100		
95	102.1	0.0	198.0





#45

1,2-Dichloropropane

Concen: 22.59 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

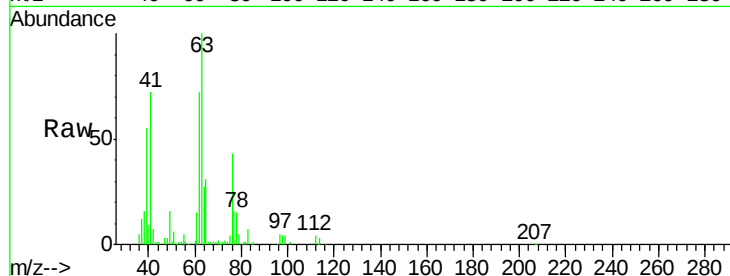
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 51301

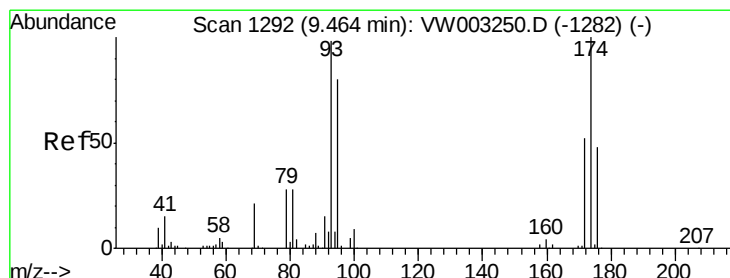
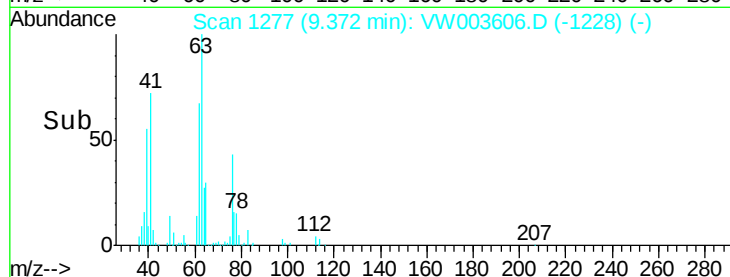
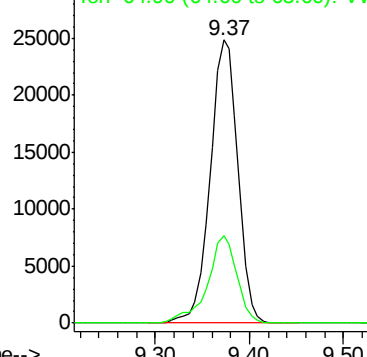
Ion Ratio Lower Upper

63 100

65 30.8 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.27 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

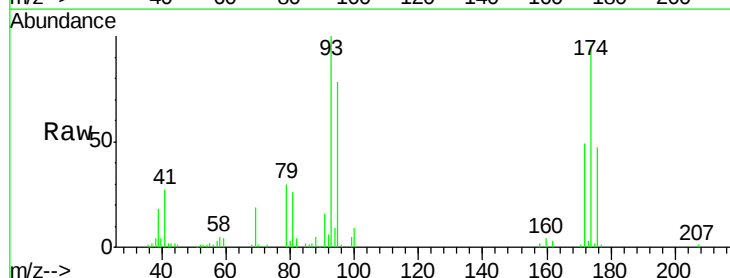
Tgt Ion: 93 Resp: 24730

Ion Ratio Lower Upper

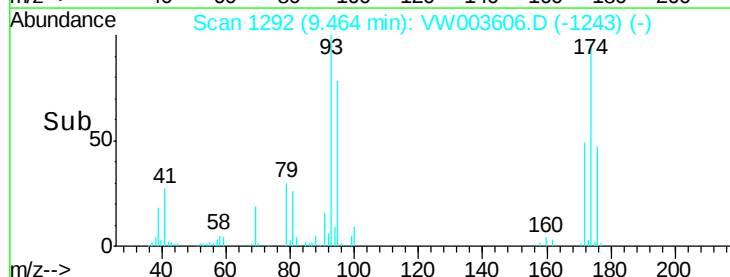
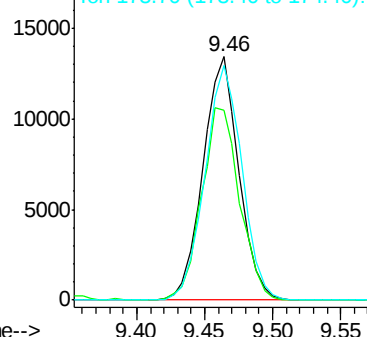
93 100

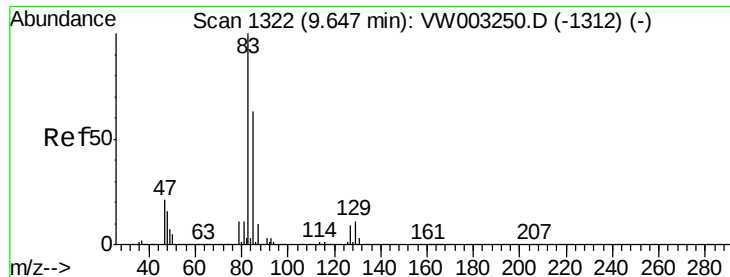
95 83.7 65.8 98.8

174 99.6 81.4 122.0



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.03 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :

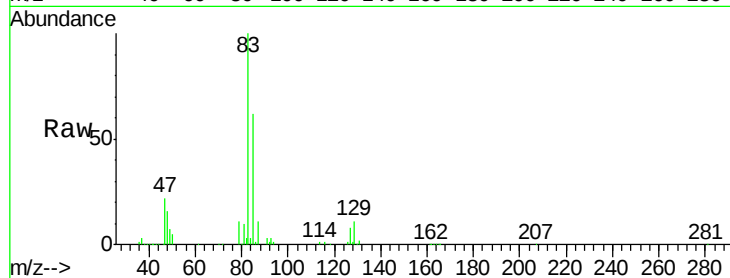
Tot Ion: 83 Resp: 65649

Ion Ratio Lower Upper

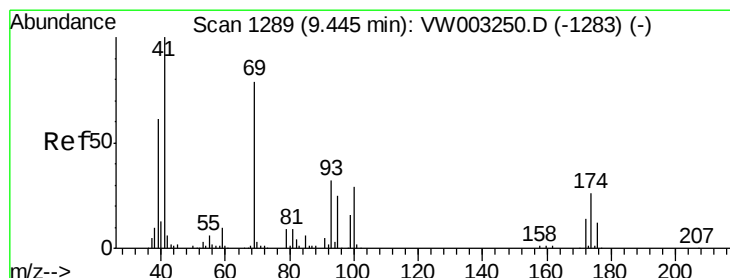
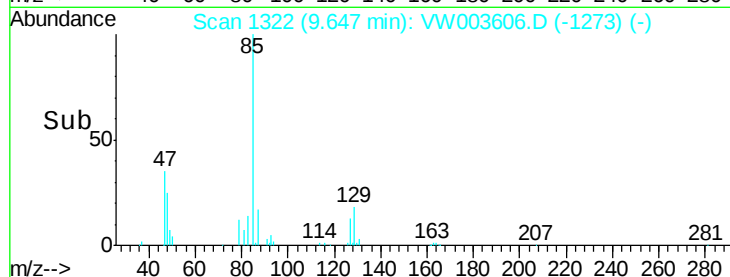
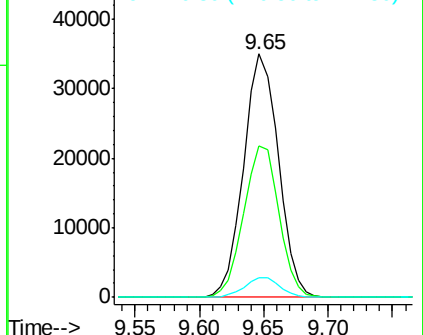
83 100

85 62.3 50.6 75.8

127 8.1 6.8 10.2



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



#48

Methyl methacrylate

Concen: 22.37 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

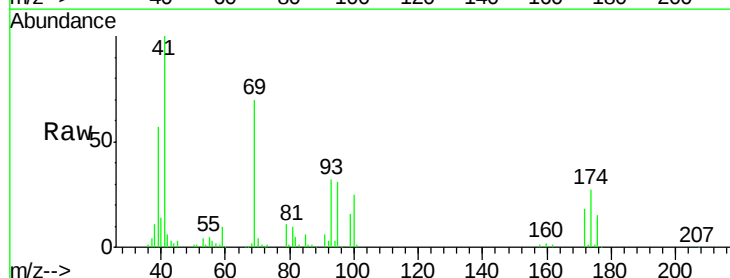
Tgt Ion: 41 Resp: 27978

Ion Ratio Lower Upper

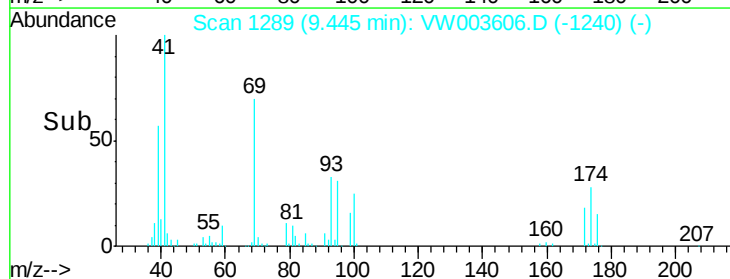
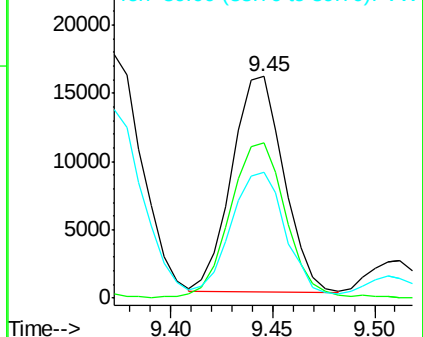
41 100

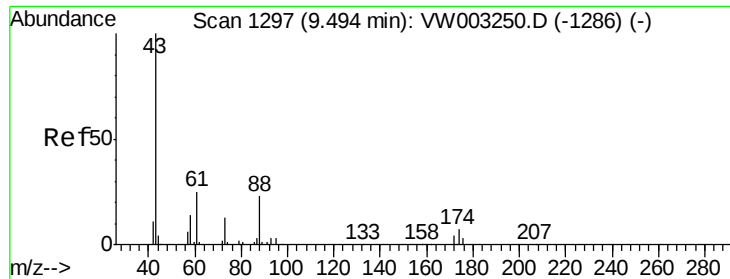
69 78.0 65.4 98.2

39 57.6 54.2 81.2



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

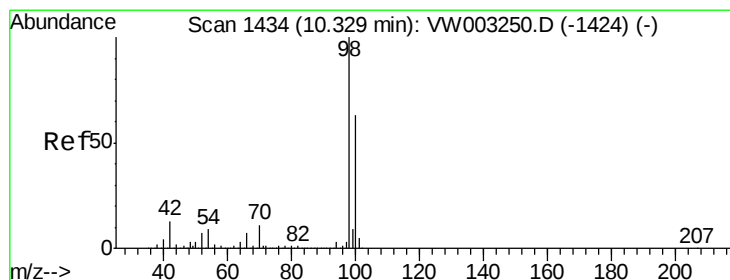
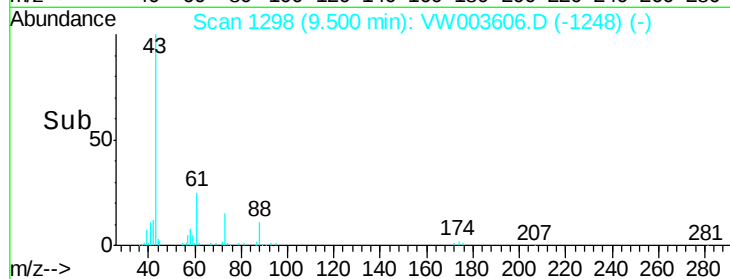
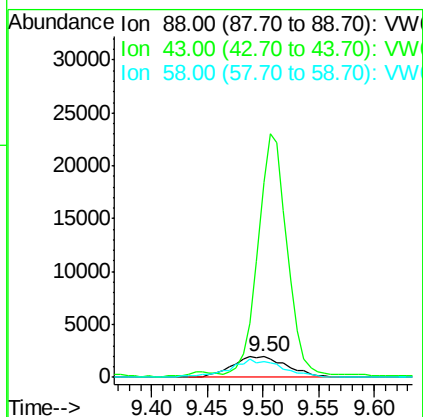
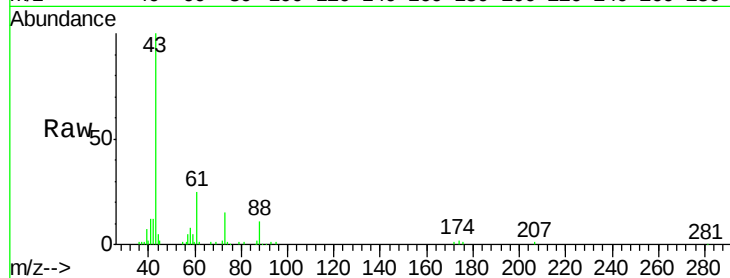




#49
1,4-Dioxane
Concen: 386.58 ug/l
RT: 9.50 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

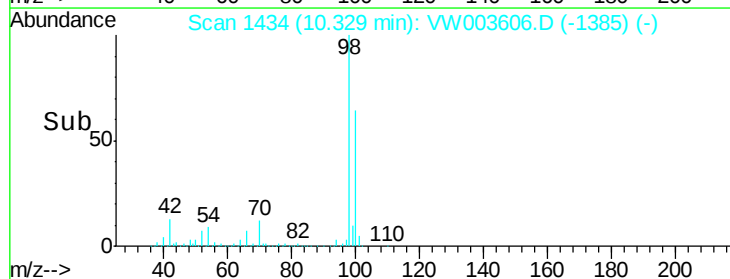
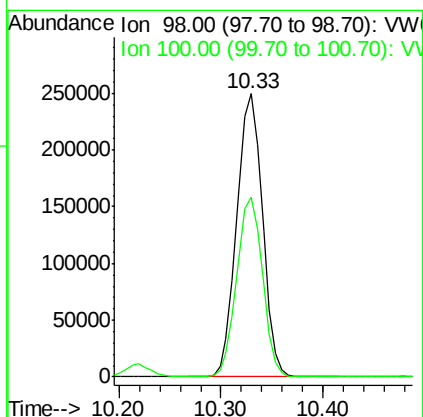
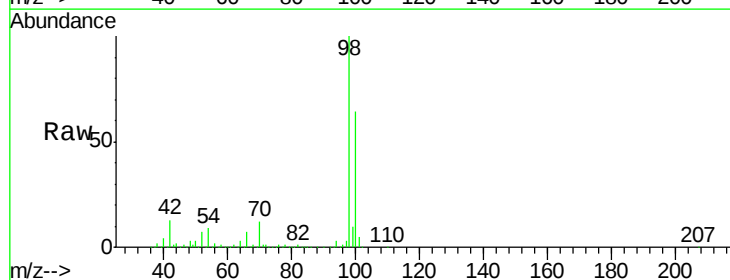
Instrument :
MSVOA_W
ClientSampleId :

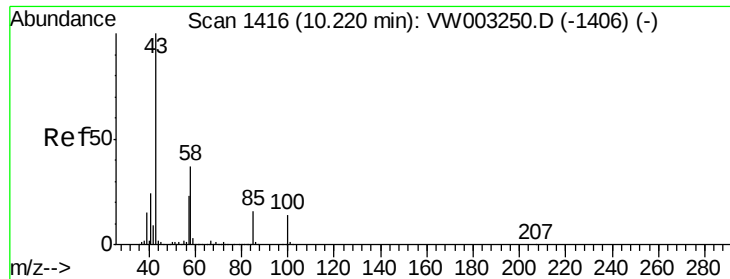
Tot Ion: 88 Resp: 6786
Ion Ratio Lower Upper
88 100
43 610.8 454.7 682.1
58 81.9 58.6 88.0



#50
Toluene-d8
Concen: 52.73 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 98 Resp: 435320
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 109.58 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

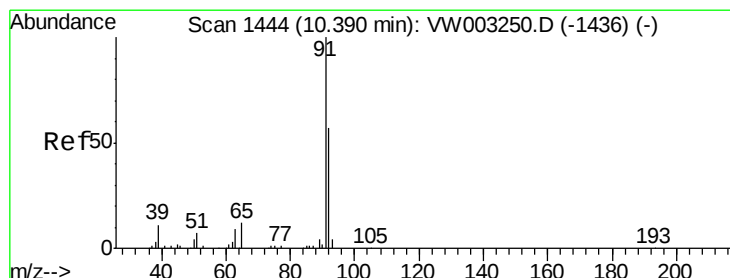
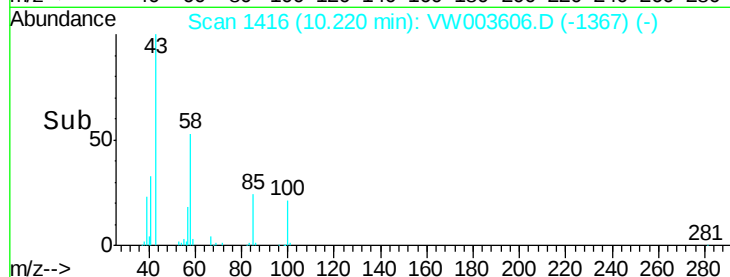
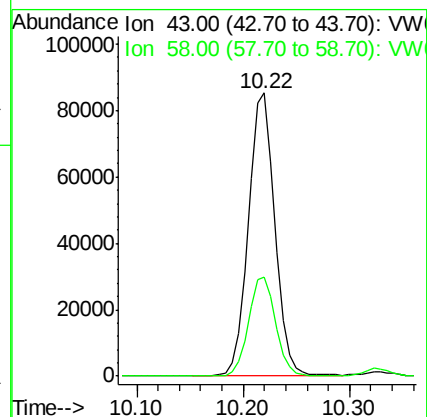
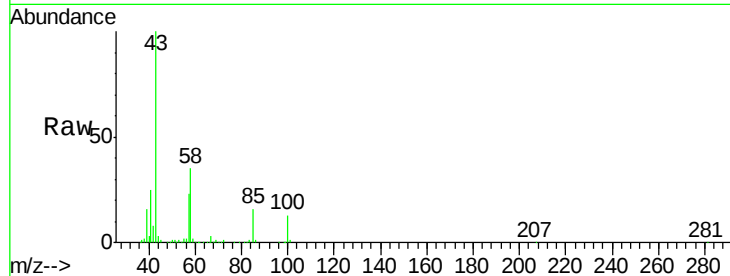
ClientSampleId :

Tot Ion: 43 Resp: 148610

Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.4



#52

Toluene

Concen: 22.40 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003606.D

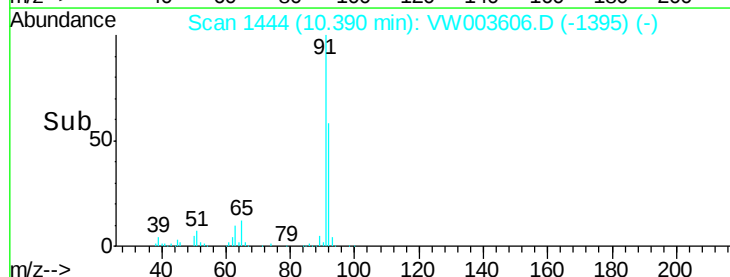
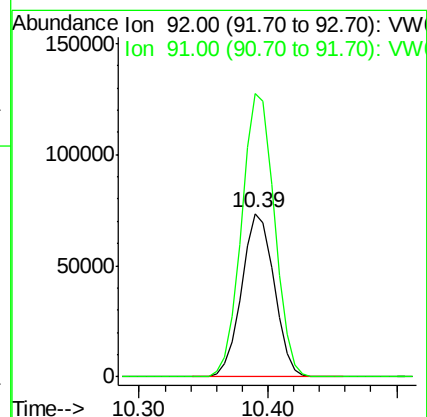
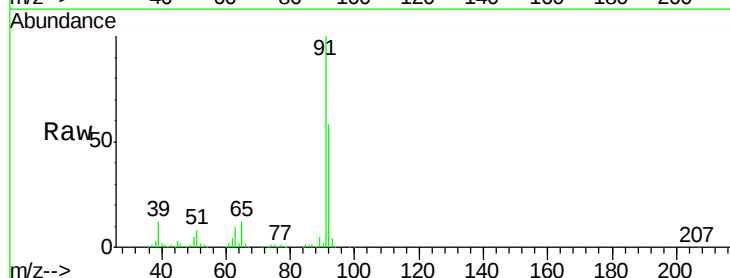
Acq: 27 Jun 2018 12:05

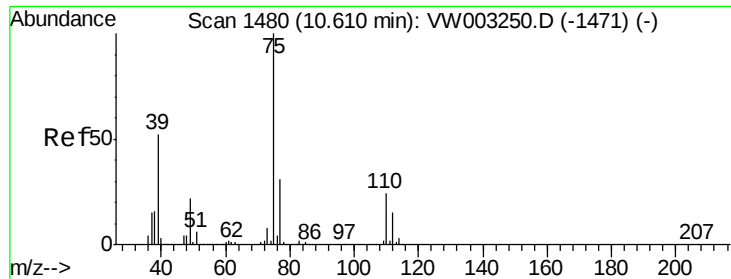
Tgt Ion: 92 Resp: 128099

Ion Ratio Lower Upper

92 100

91 175.2 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 21.23 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

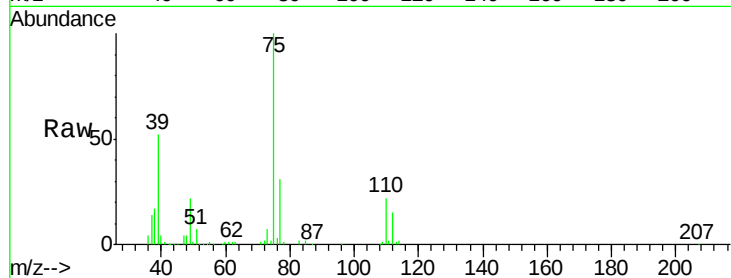
ClientSampleId :

Tot Ion: 75 Resp: 64638

Ion Ratio Lower Upper

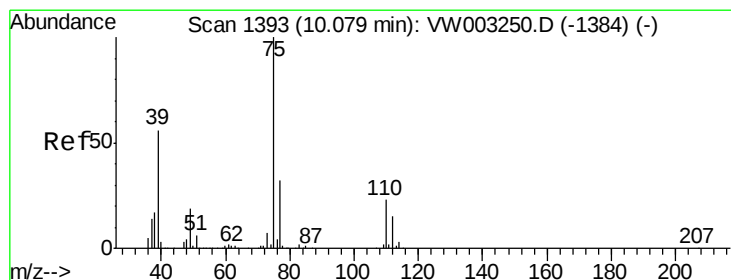
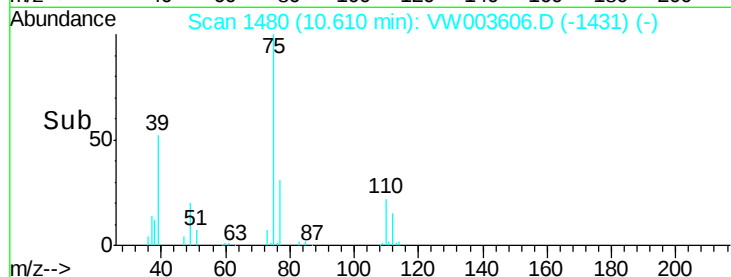
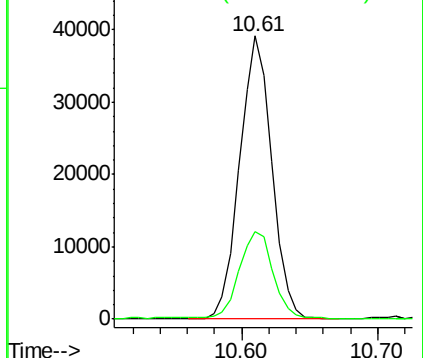
75 100

77 30.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.34 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

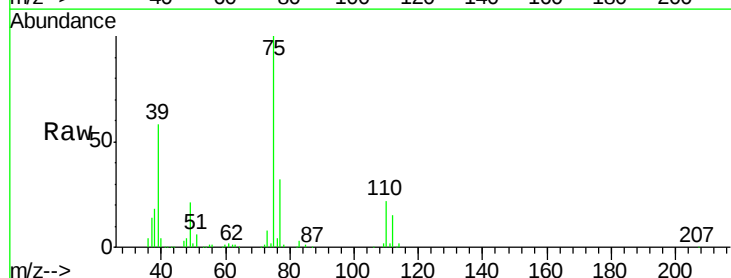
Tgt Ion: 75 Resp: 73924

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

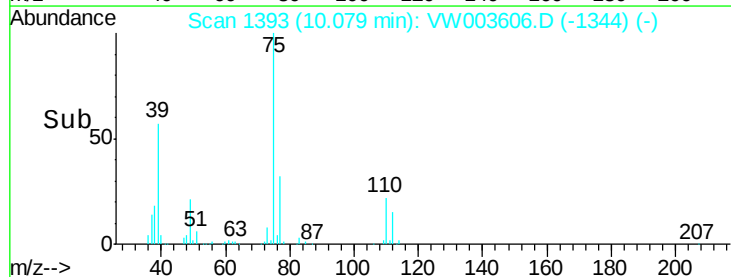
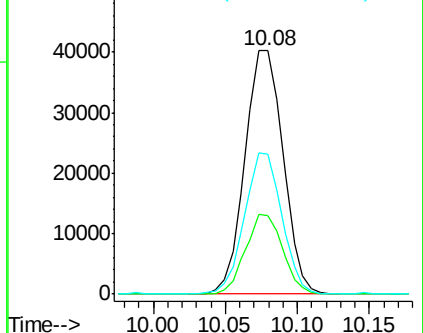
39 57.5 45.2 67.8

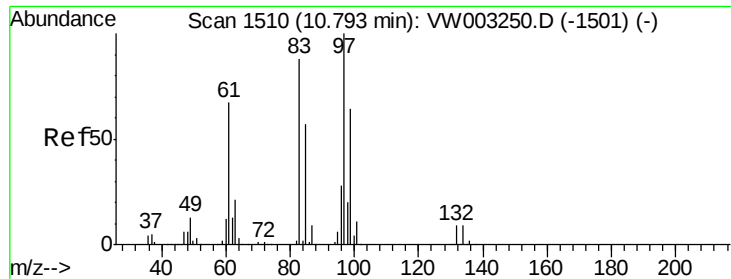


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.97 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 35998

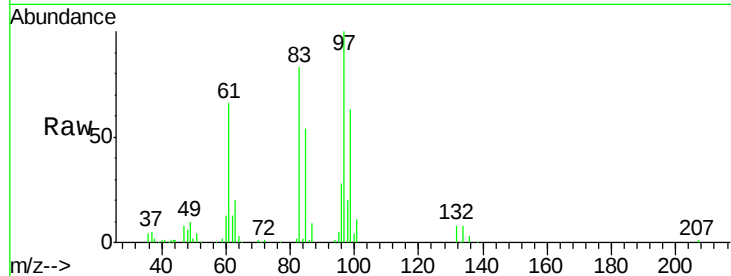
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.2	105.2
85	54.2	45.6	68.4
99	63.1	51.2	76.8

97 100

83 82.8 70.2 105.2

85 54.2 45.6 68.4

99 63.1 51.2 76.8



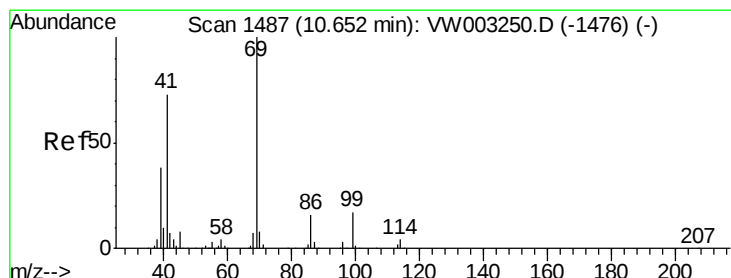
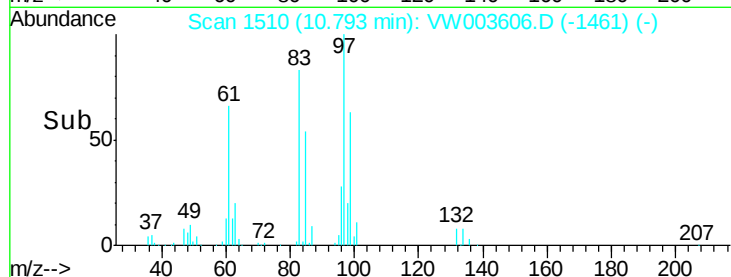
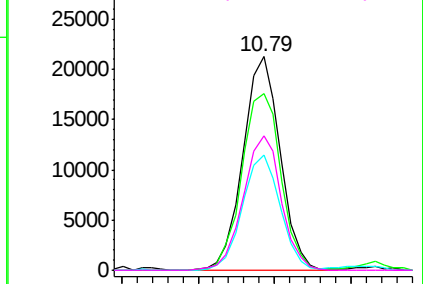
Abundance

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: 21.07 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

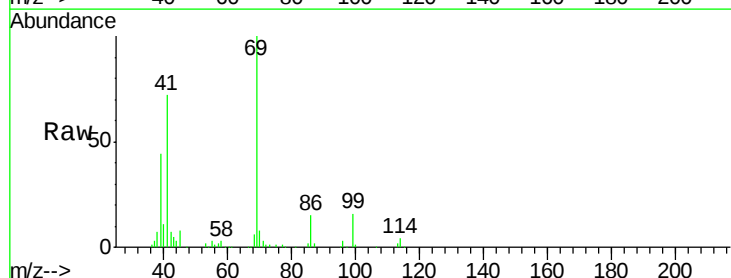
Tgt Ion: 69 Resp: 41915

Ion	Ratio	Lower	Upper
69	100		
41	73.0	57.8	86.6
39	41.1	32.7	49.1

69 100

41 73.0 57.8 86.6

39 41.1 32.7 49.1

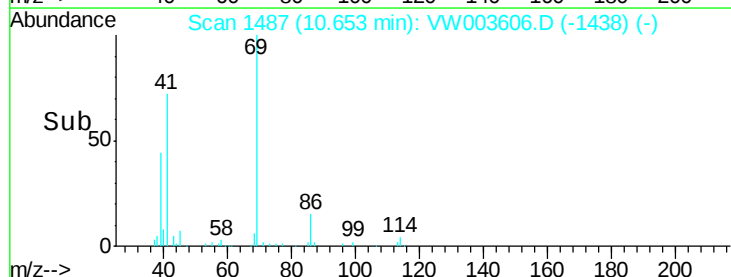
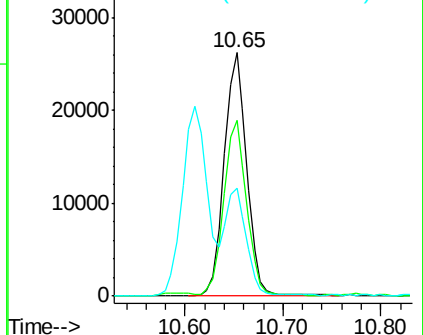


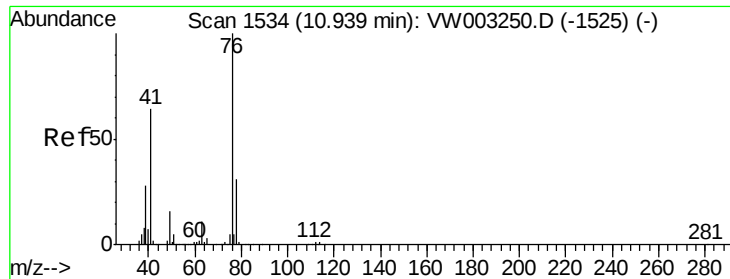
Abundance

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

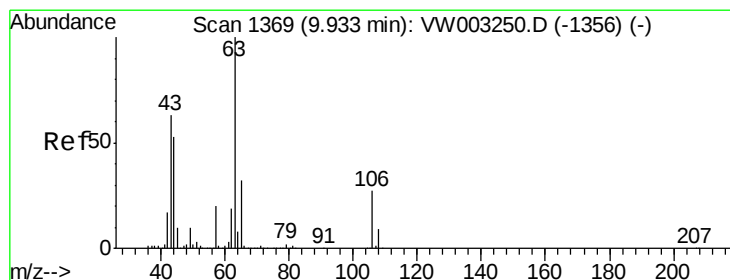
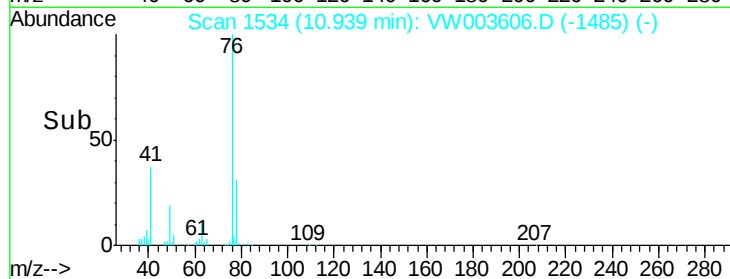
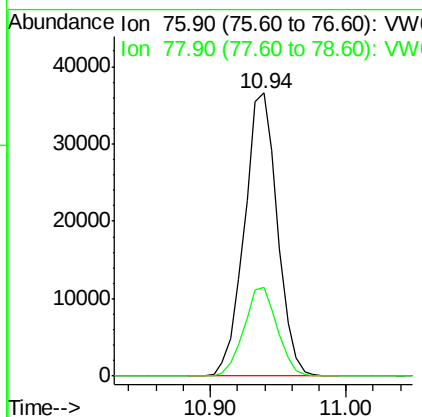
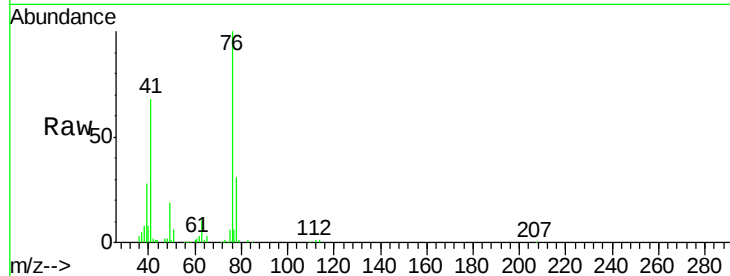




#57
 1,3-Dichloropropane
 Concen: 21.98 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

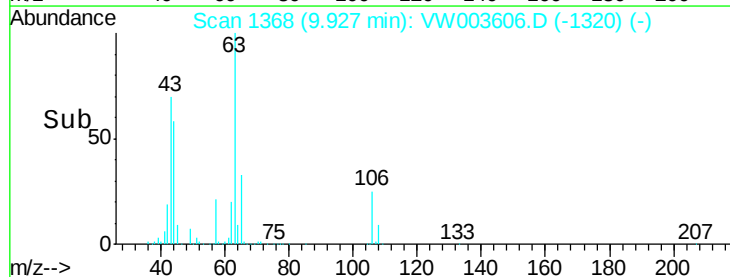
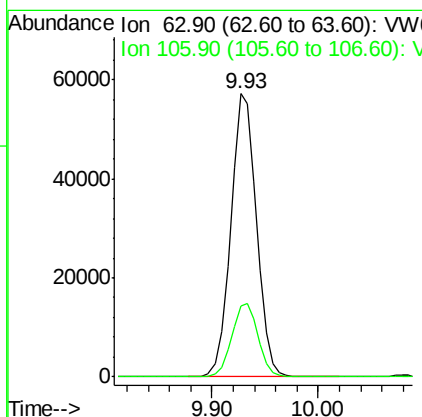
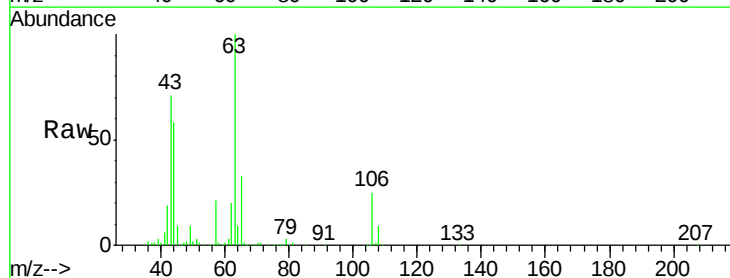
Instrument :
 MSVOA_W
 ClientSampled :

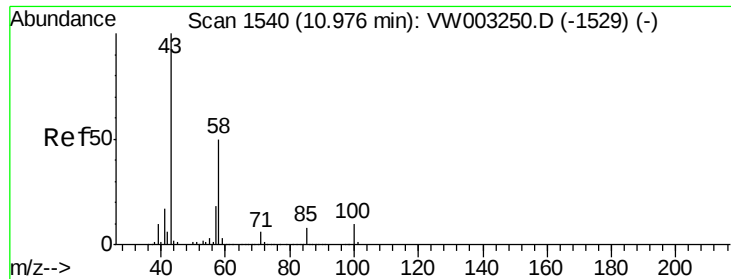
Tot Ion: 76 Resp: 62108
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.15 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion: 63 Resp: 96451
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.8 32.8

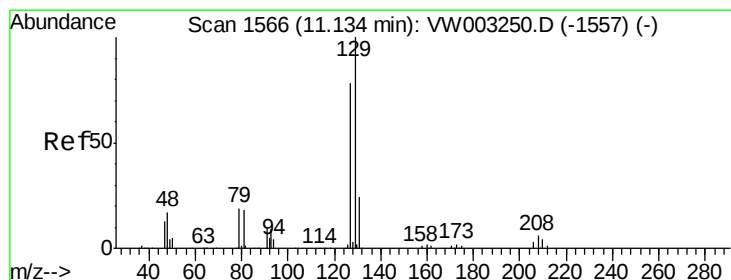
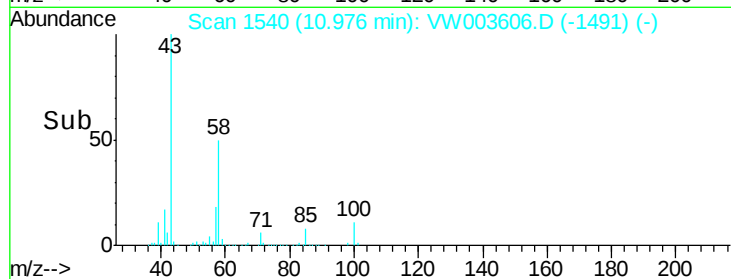
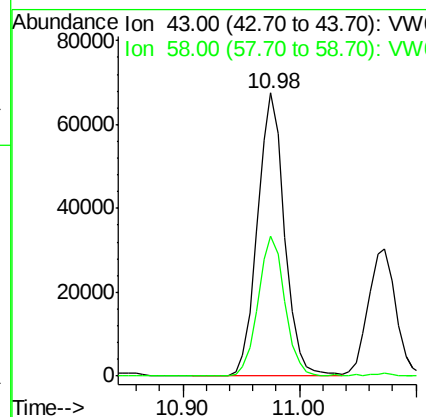
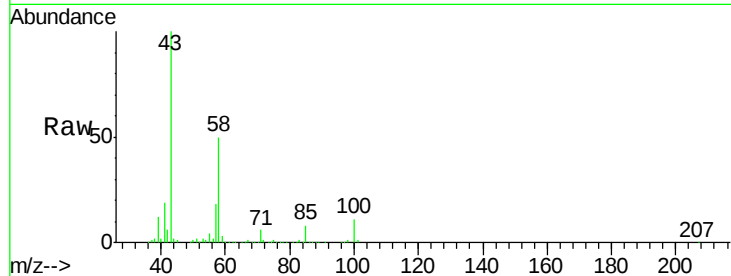




#59
2-Hexanone
Concen: 115.56 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

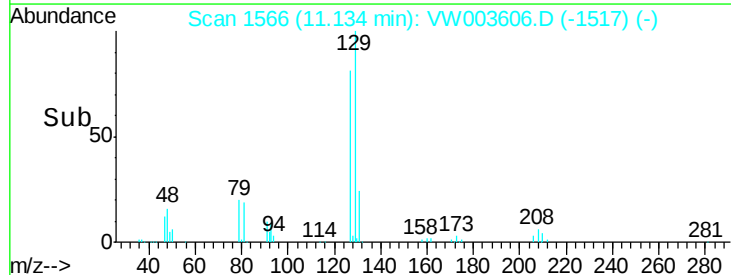
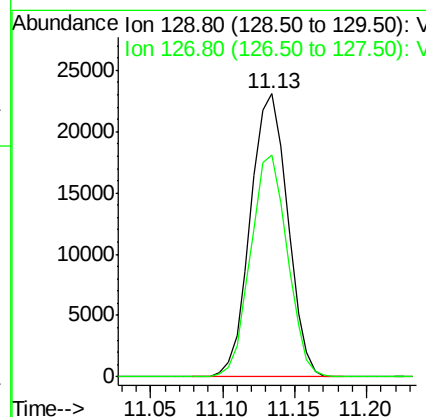
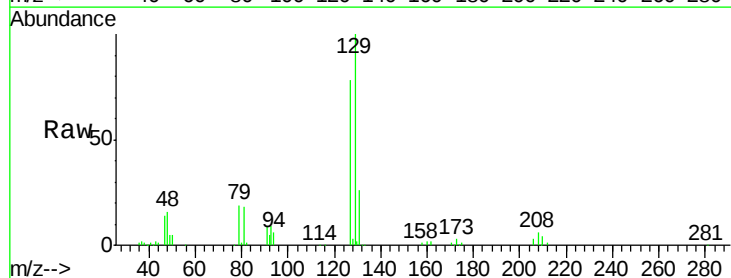
Instrument :
MSVOA_W
ClientSampleId :

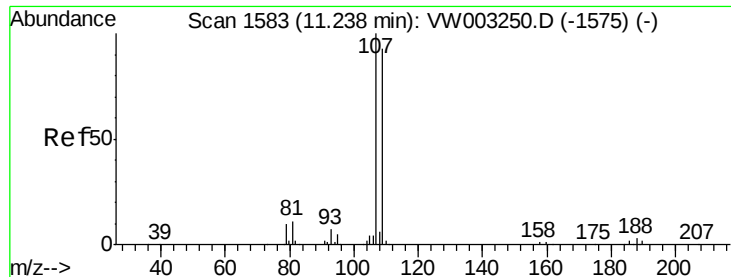
Tot Ion: 43 Resp: 109486
Ion Ratio Lower Upper
43 100
58 49.1 25.0 75.0



#60
Dibromochloromethane
Concen: 21.22 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 129 Resp: 41350
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.5

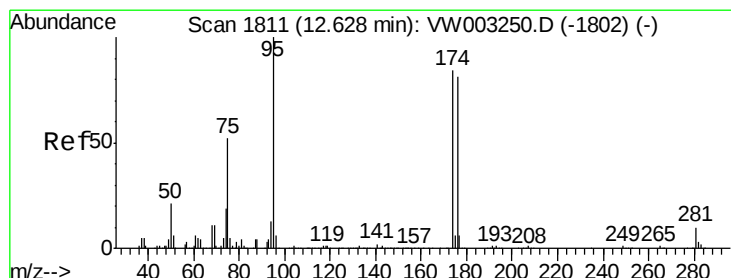
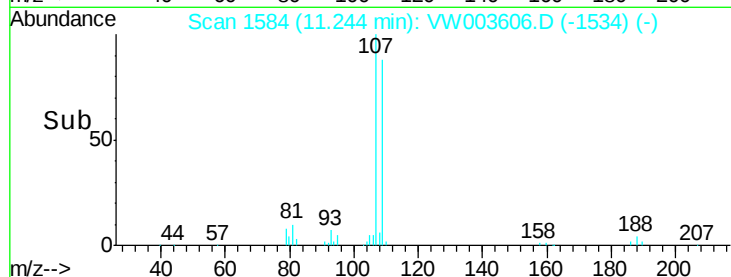
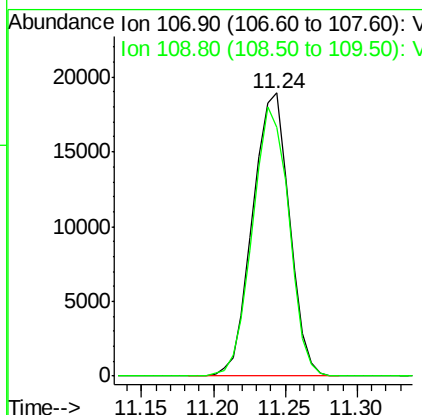
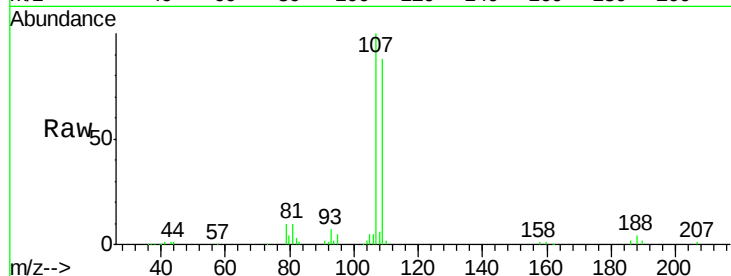




#61
 1,2-Dibromoethane
 Concen: 21.58 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

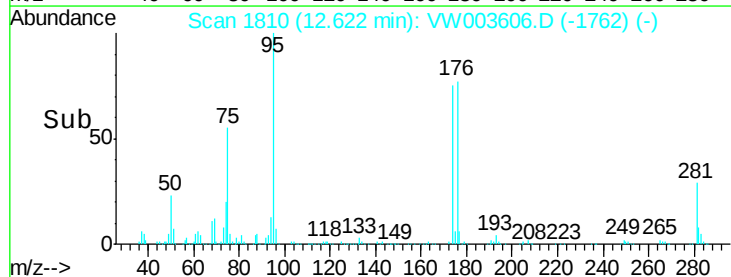
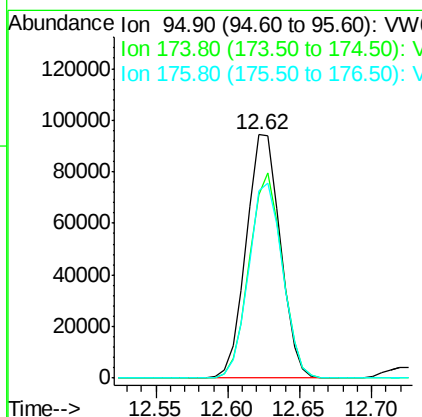
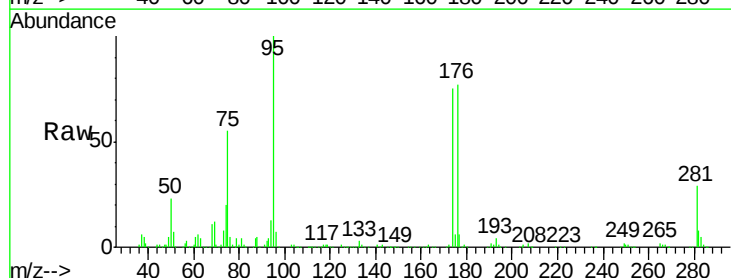
Instrument :
 MSVOA_W
 ClientSampleId :

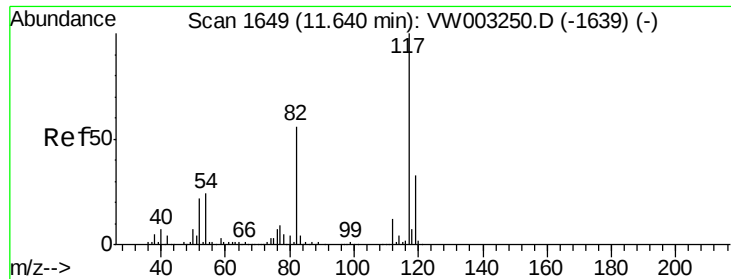
Tot Ion: 107 Resp: 33436
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 52.82 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion: 95 Resp: 154291
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 166.4
 176 79.6 0.0 162.0

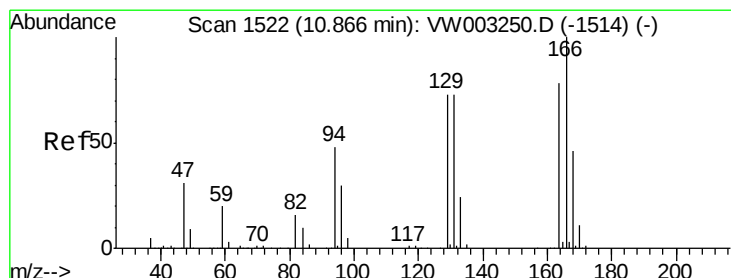
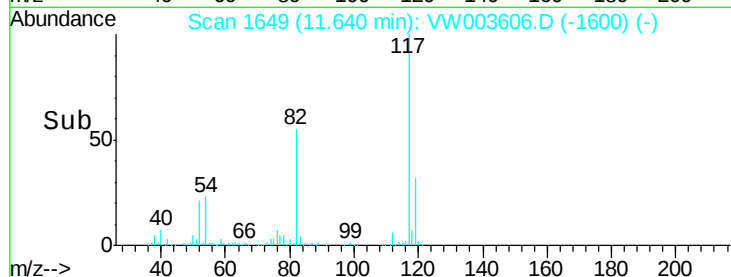
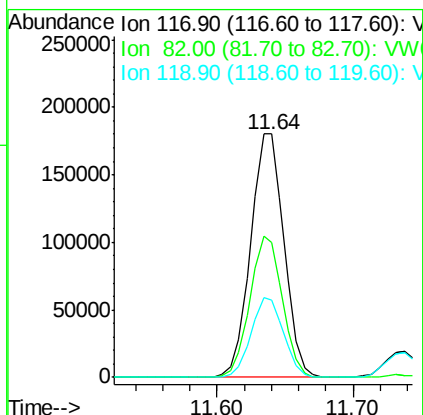
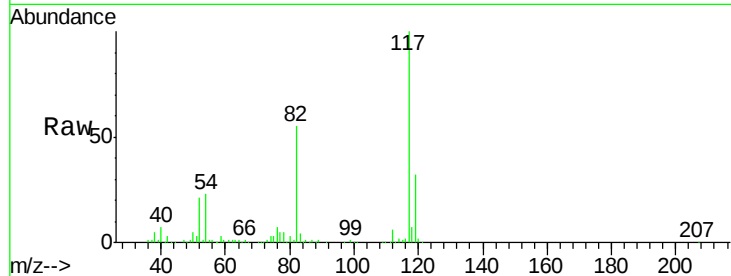




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

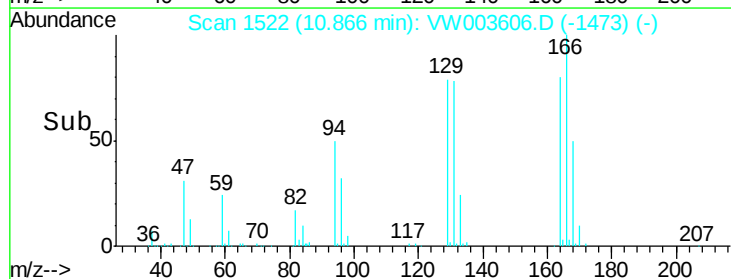
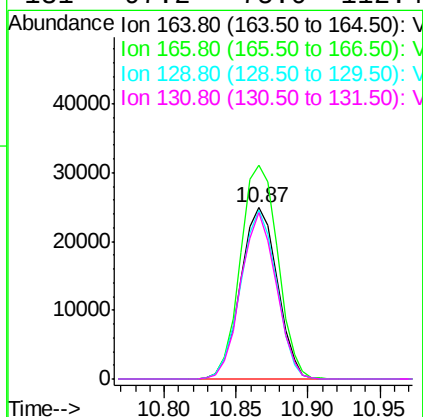
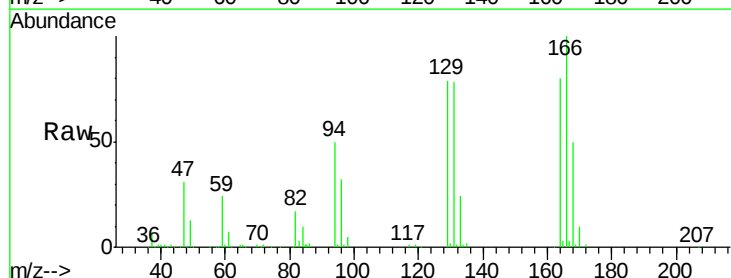
Instrument :
MSVOA_W
ClientSampleId :

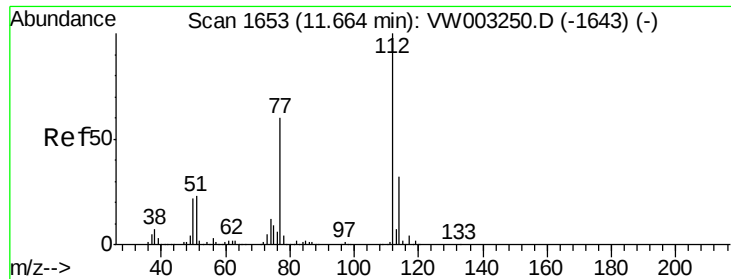
Tot Ion:117 Resp: 309234
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 31.8 26.7 40.1



#64
Tetrachloroethene
Concen: 21.37 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion:164 Resp: 44191
Ion Ratio Lower Upper
164 100
166 124.8 102.6 154.0
129 98.7 75.2 112.8
131 97.2 75.0 112.4





#65

Chlorobenzene

Concen: 21.50 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

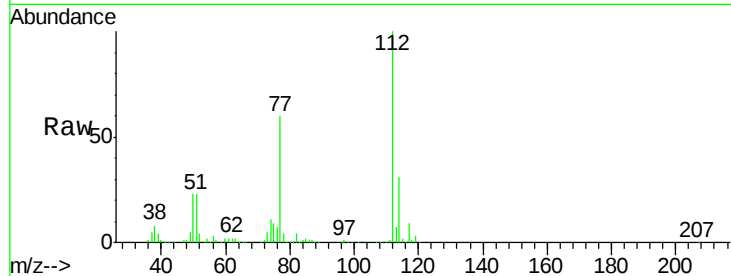
ClientSampleId :

Tot Ion:112 Resp: 138453

Ion Ratio Lower Upper

112 100

114 31.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

60000

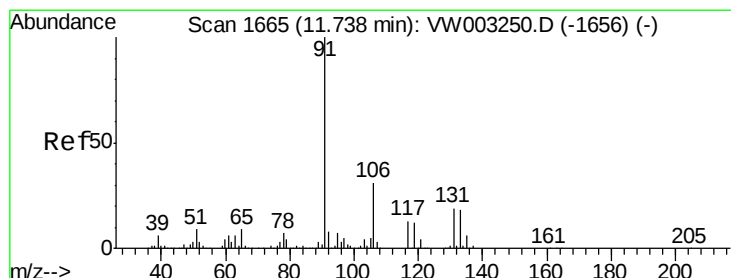
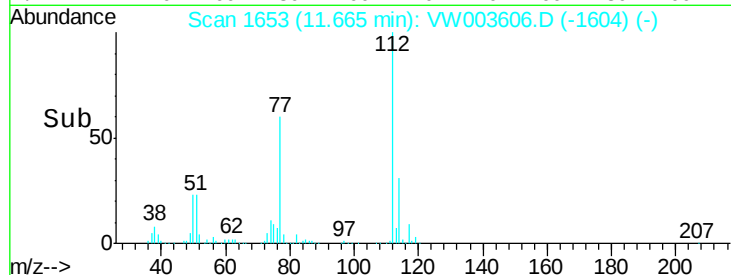
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 21.24 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

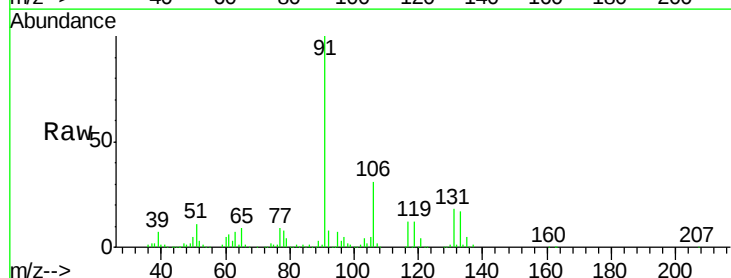
Tgt Ion:131 Resp: 48064

Ion Ratio Lower Upper

131 100

133 95.3 47.3 142.0

119 65.8 32.5 97.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

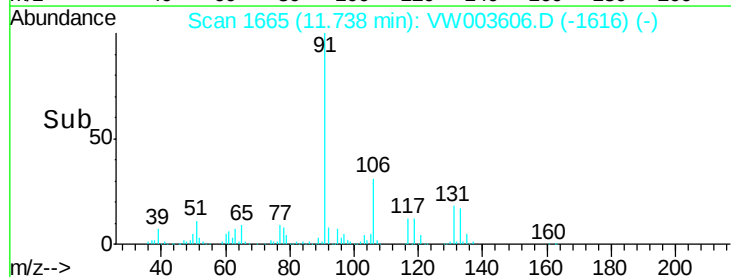
40000

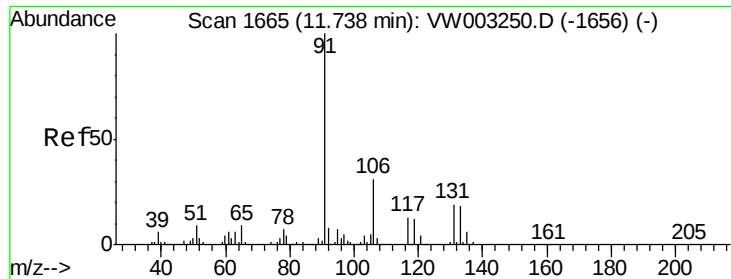
20000

0

Time-->

11.65 11.70 11.75 11.80

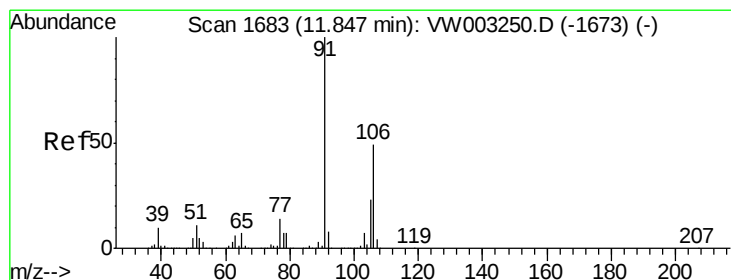
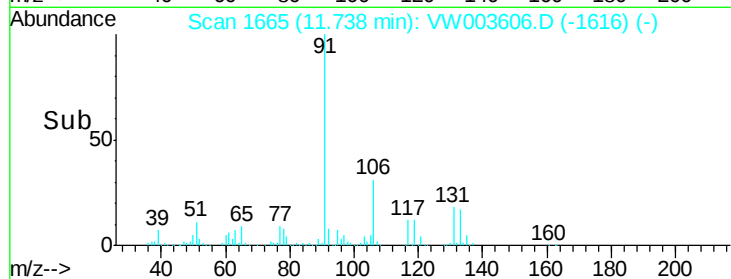
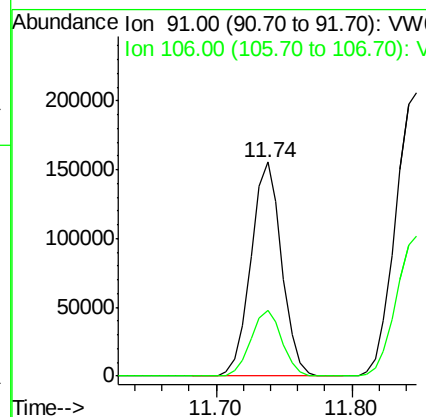
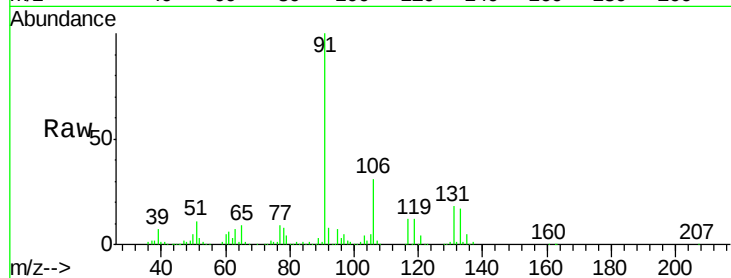




#67
Ethyl Benzene
Concen: 21.57 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

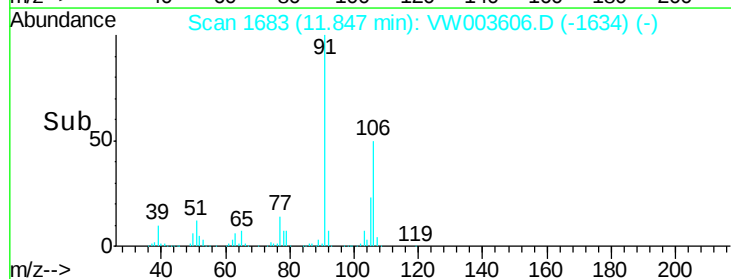
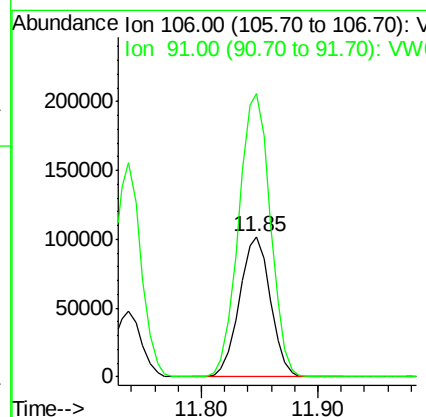
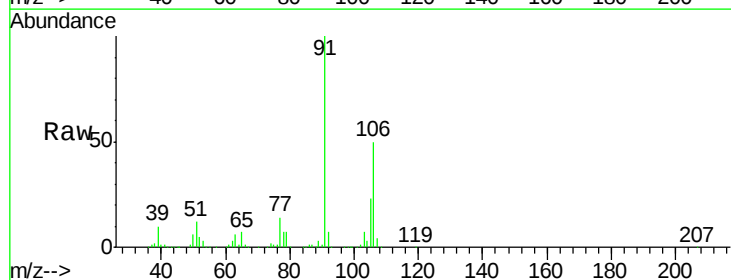
Instrument :
MSVOA_W
ClientSampled :

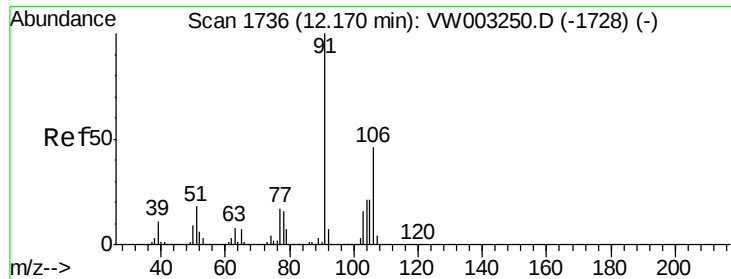
Tot Ion: 91 Resp: 246263
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1



#68
m/p-Xylenes
Concen: 43.54 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 106 Resp: 188930
Ion Ratio Lower Upper
106 100
91 206.5 165.4 248.0

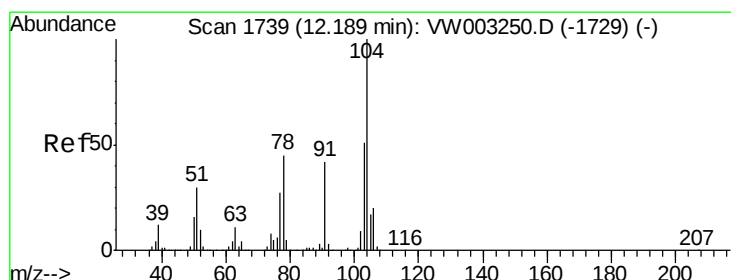
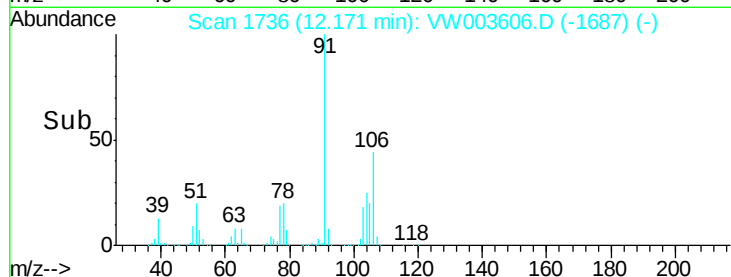
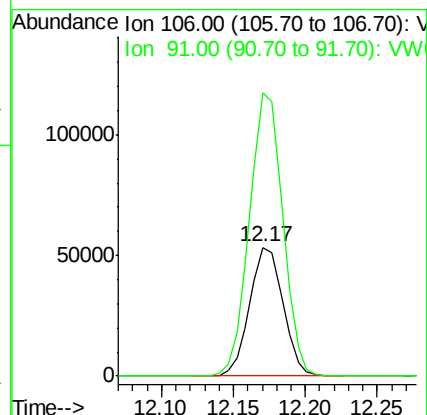
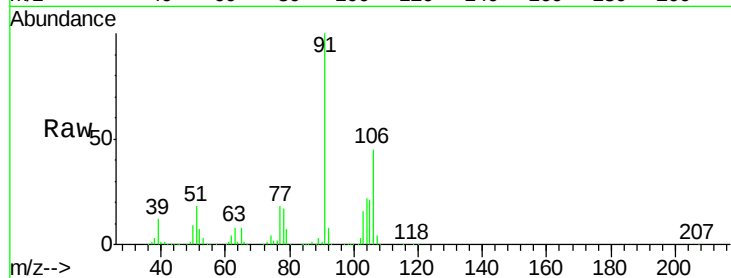




#69
o-Xylene
Concen: 21.32 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

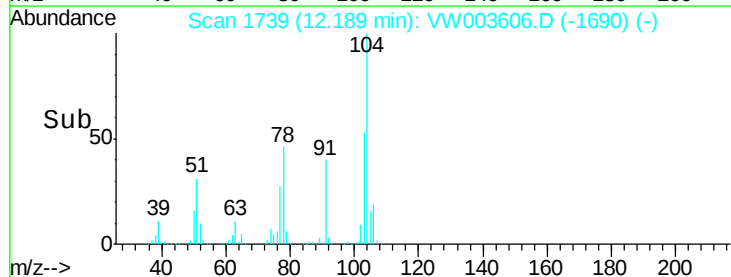
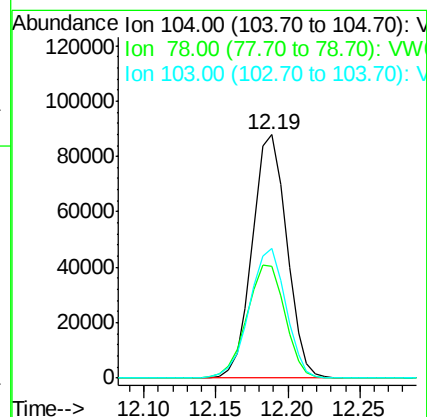
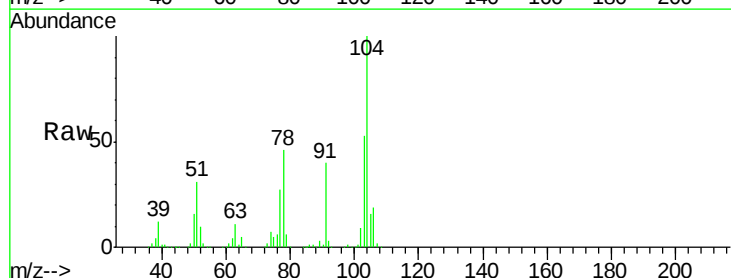
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 85750
Ion Ratio Lower Upper
106 100
91 219.9 108.6 325.6



#70
Styrene
Concen: 21.69 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion:104 Resp: 145157
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 56.7 45.0 67.4





#71

Bromoform

Concen: 20.37 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

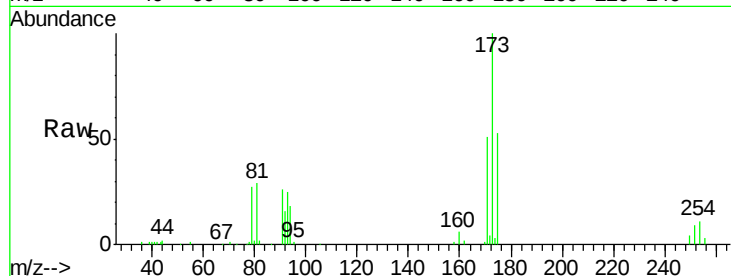
Tot Ion:173 Resp: 23888

Ion Ratio Lower Upper

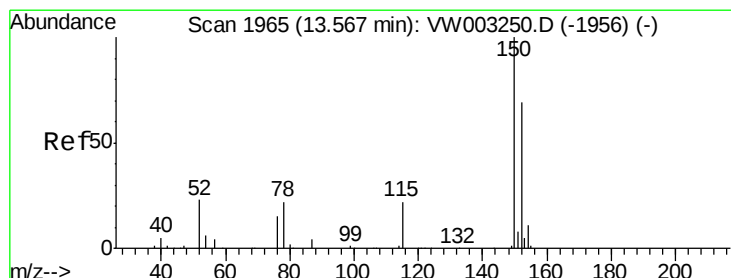
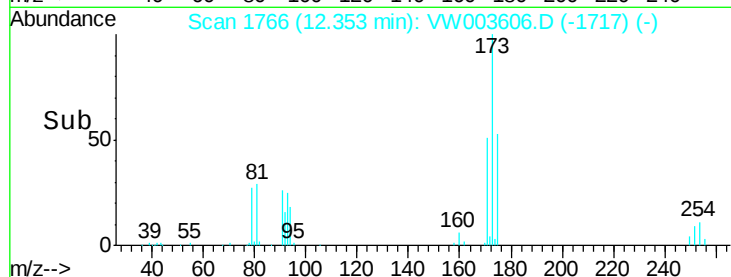
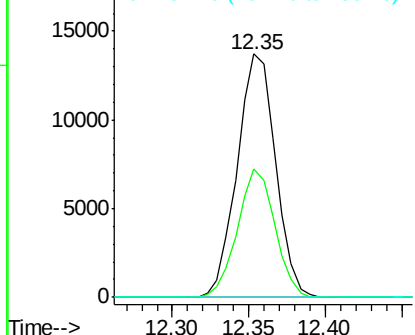
173 100

175 51.5 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

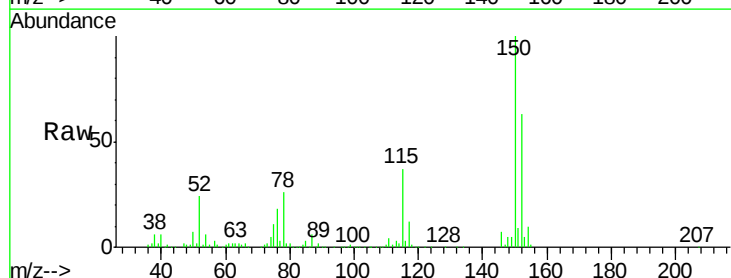
Tgt Ion:152 Resp: 165766

Ion Ratio Lower Upper

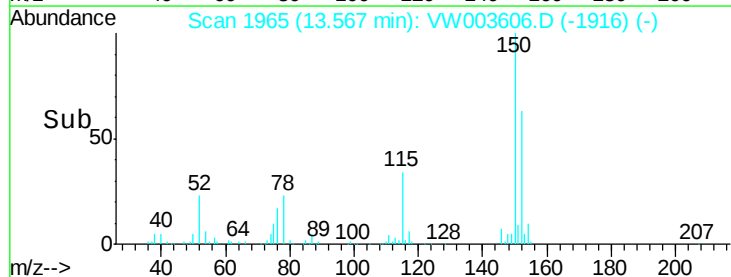
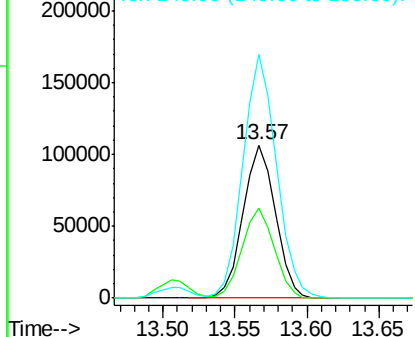
152 100

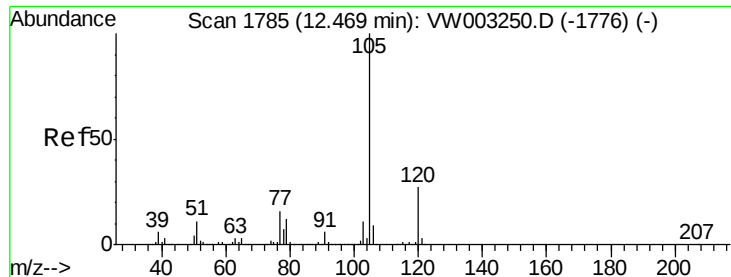
115 58.3 29.3 88.0

150 164.4 0.0 349.6



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





#73

Isopropylbenzene

Concen: 21.37 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

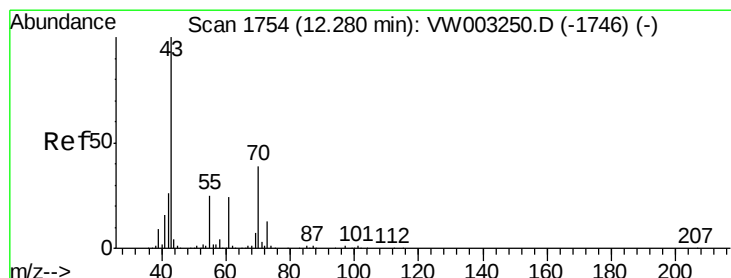
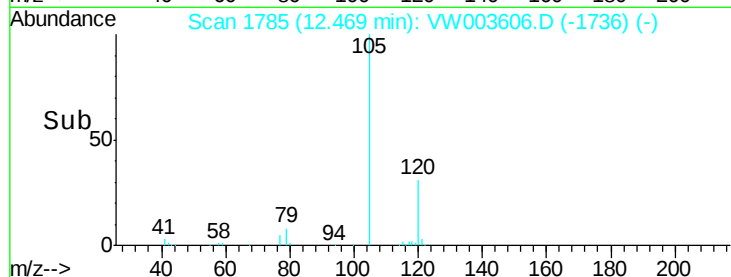
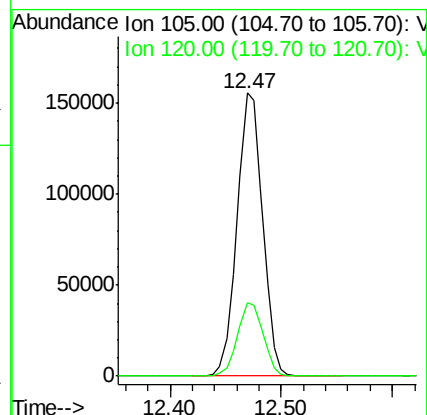
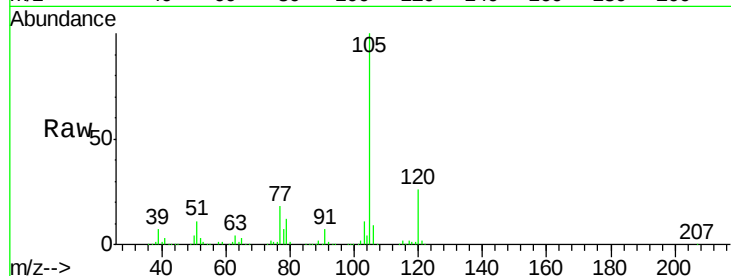
ClientSampleId :

Tot Ion:105 Resp: 246435

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#74

N-ethyl acetate

Concen: 20.59 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Tgt Ion: 43 Resp: 54022

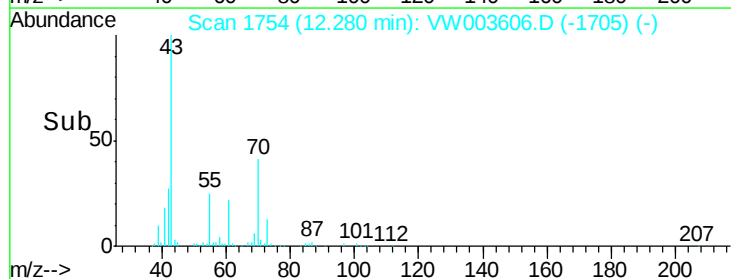
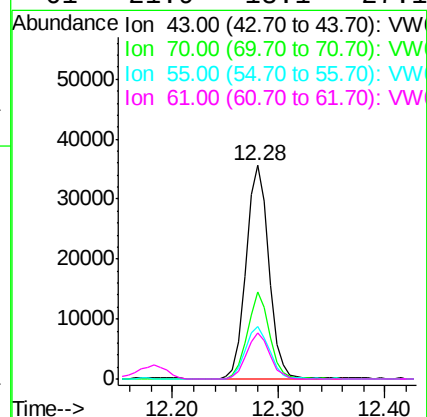
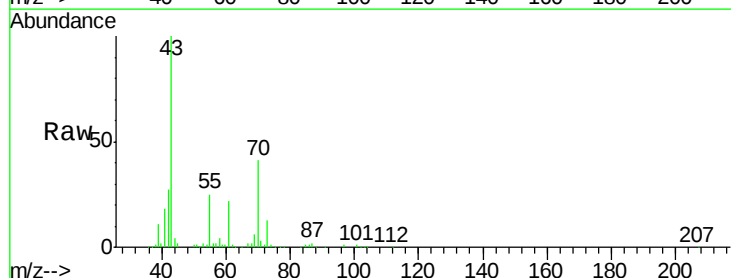
Ion Ratio Lower Upper

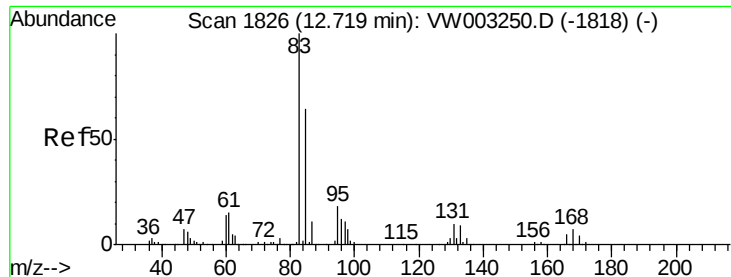
43 100

70 39.1 31.0 46.6

55 25.7 19.7 29.5

61 21.9 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.02 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

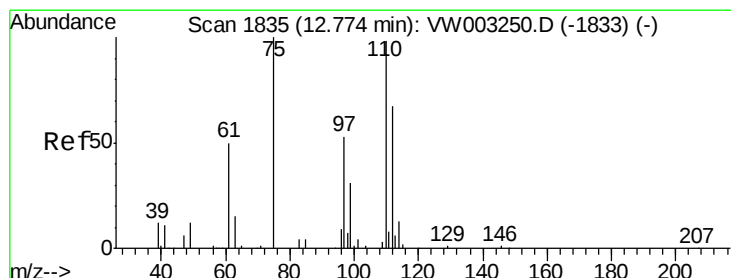
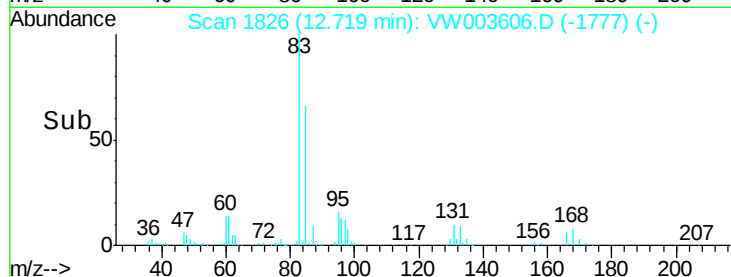
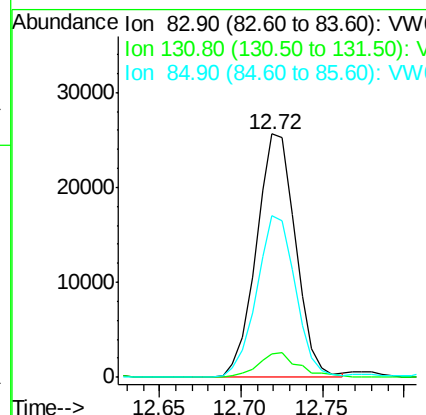
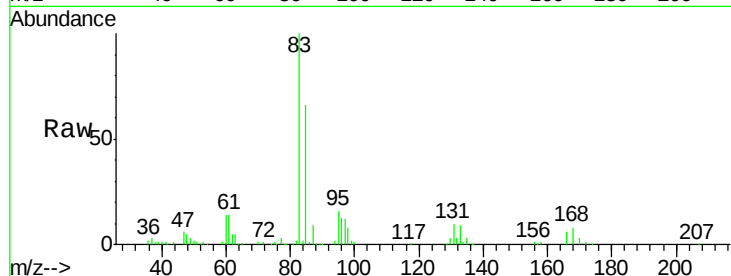
Tot Ion: 83 Resp: 42952

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

85 65.5 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 39.89 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003606.D

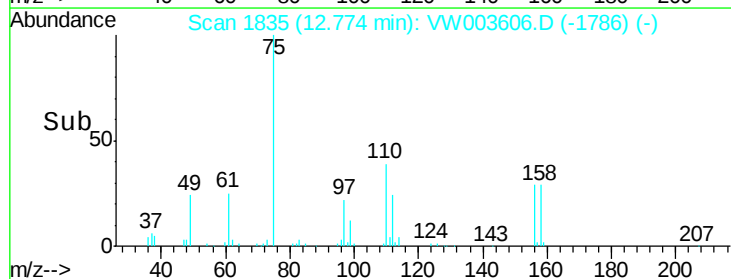
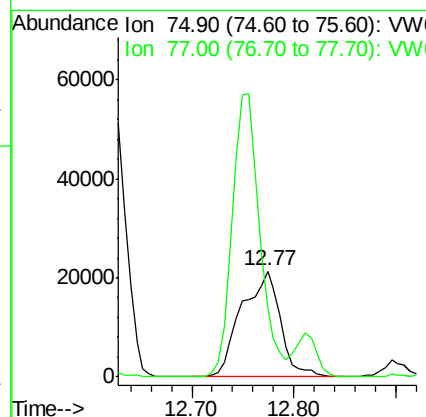
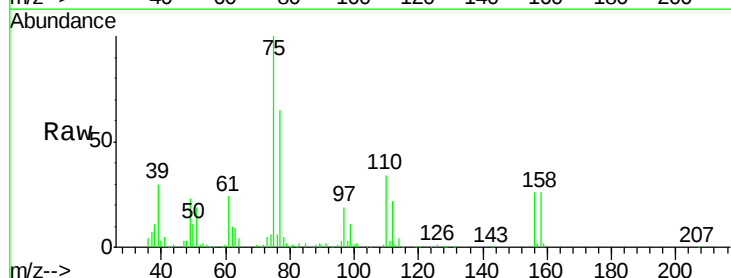
Acq: 27 Jun 2018 12:05

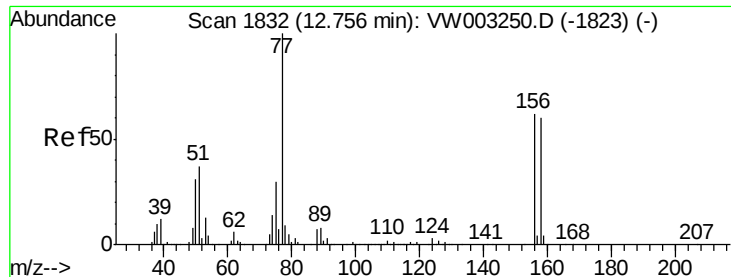
Tgt Ion: 75 Resp: 56529

Ion Ratio Lower Upper

75 100

77 189.1 0.0 0.0#





#77

Bromobenzene

Concen: 20.85 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

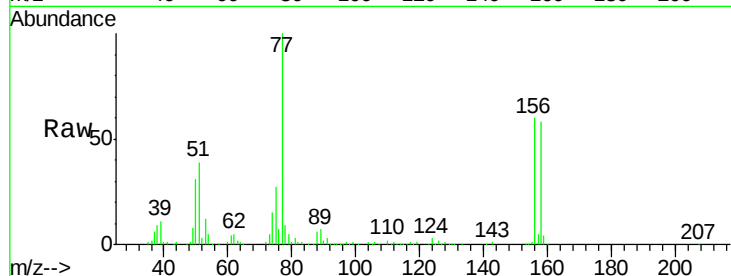
Tot Ion:156 Resp: 55989

Ion Ratio Lower Upper

156 100

77 190.9 92.3 276.9

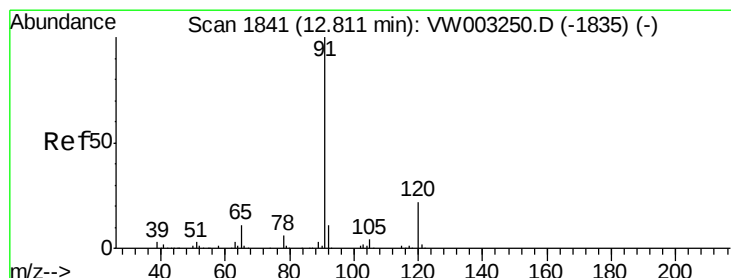
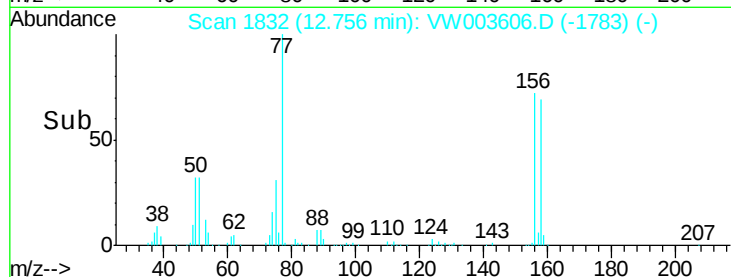
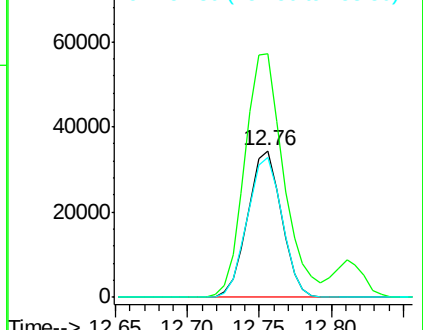
158 98.4 47.5 142.6



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: 21.90 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003606.D

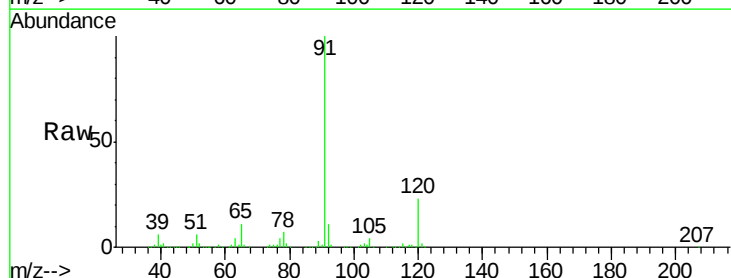
Acq: 27 Jun 2018 12:05

Tgt Ion: 91 Resp: 309169

Ion Ratio Lower Upper

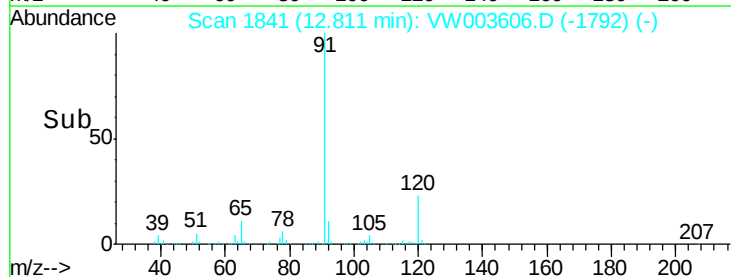
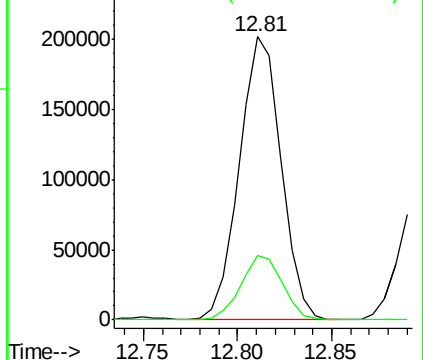
91 100

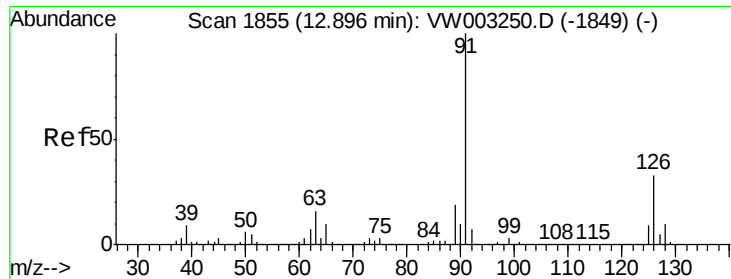
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

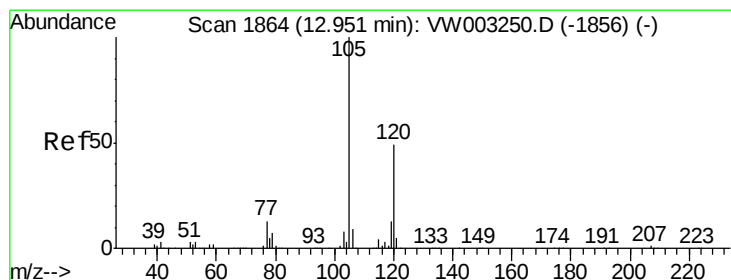
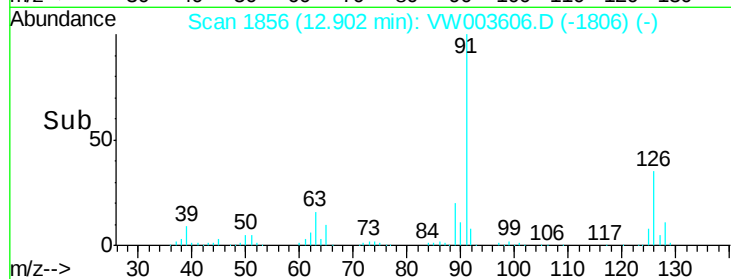
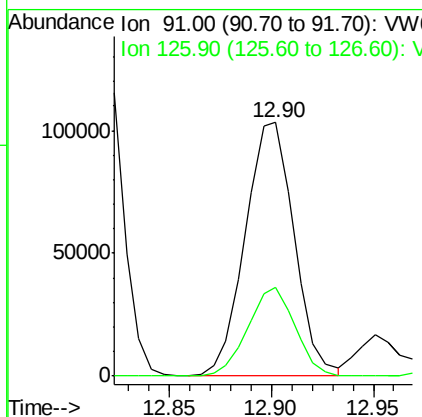
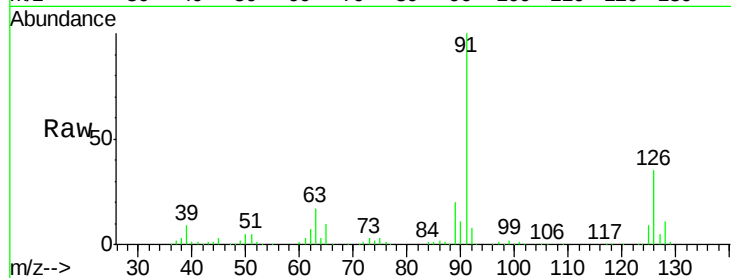




#79
 2-Chlorotoluene
 Concen: 21.59 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

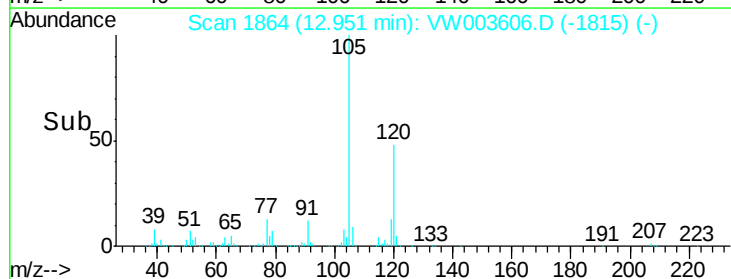
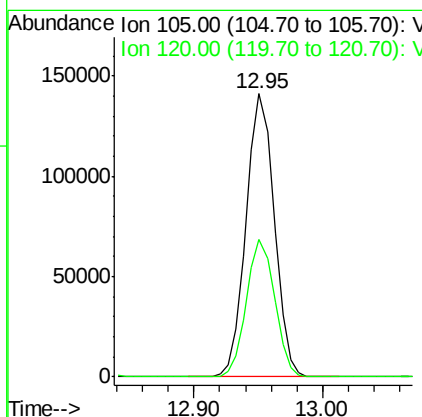
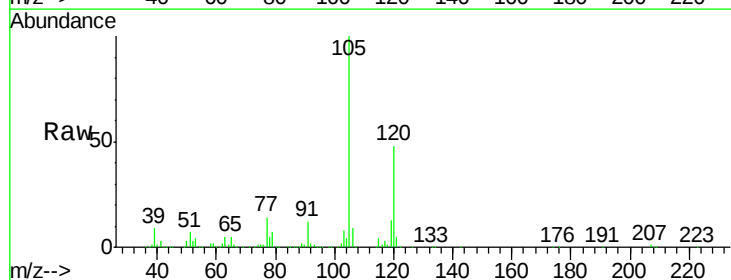
Instrument :
 MSVOA_W
 ClientSampleId :

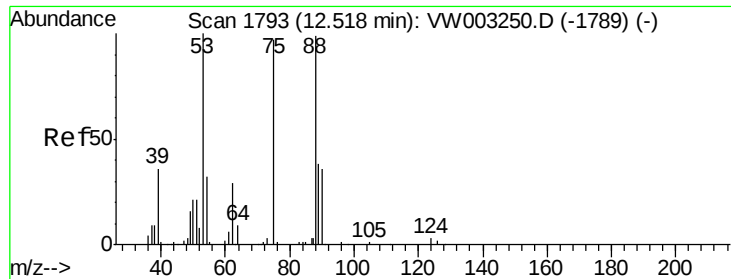
Tot Ion: 91 Resp: 172267
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.99 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion:105 Resp: 212857
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.9

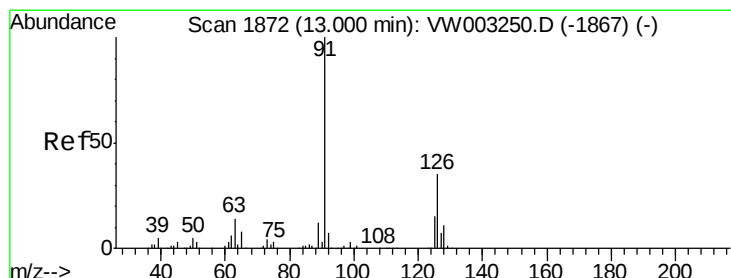
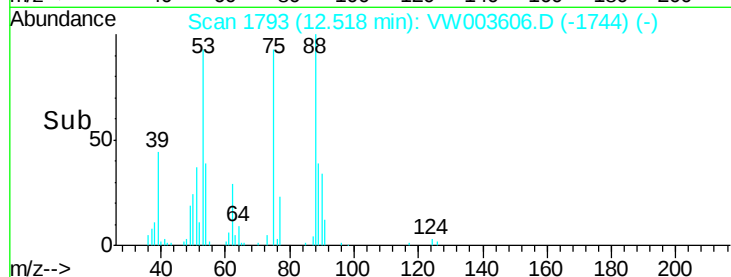
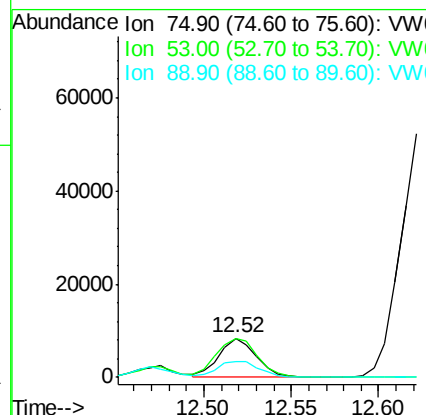
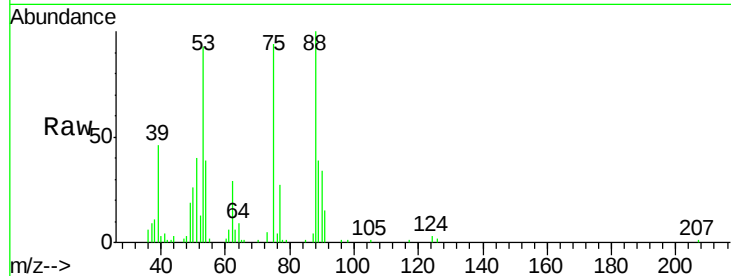




#81
trans-1,4-Dichloro-2-butene
Concen: 20.29 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

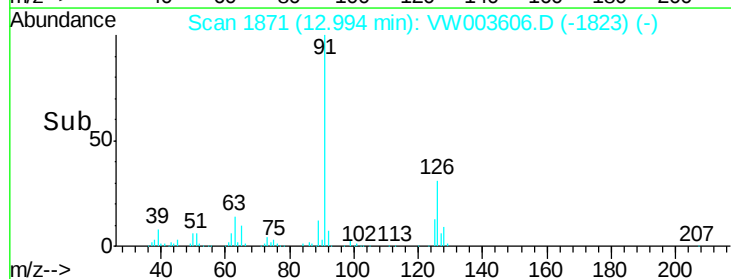
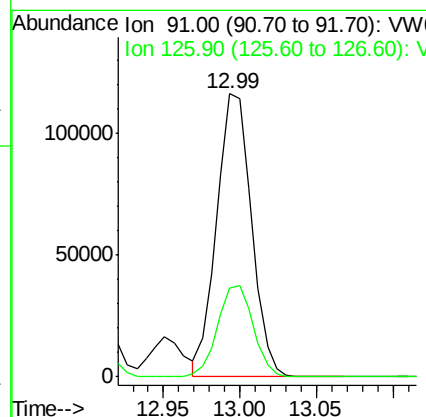
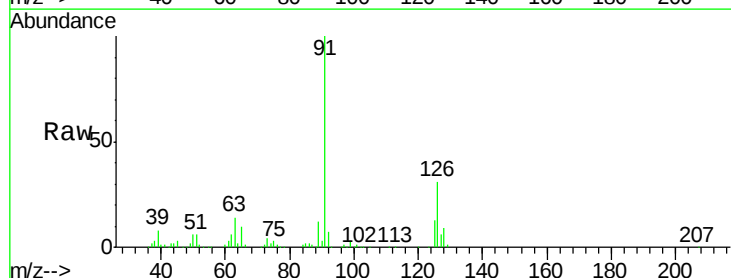
Instrument :
MSVOA_W
ClientSampleId :

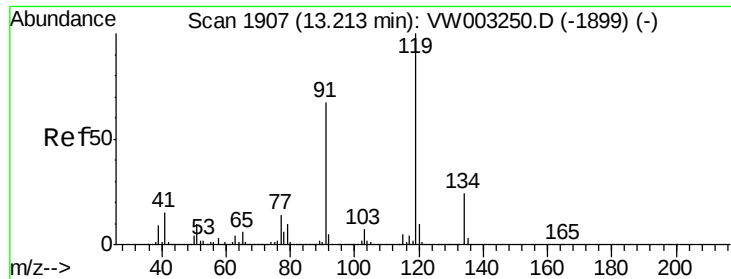
Tot Ion: 75 Resp: 12498
Ion Ratio Lower Upper
75 100
53 109.9 82.9 124.3
89 46.0 36.7 55.1



#82
4-Chlorotoluene
Concen: 21.71 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion: 91 Resp: 183772
Ion Ratio Lower Upper
91 100
126 33.1 16.8 50.3

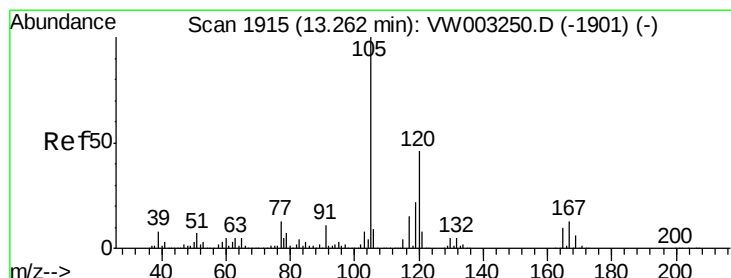
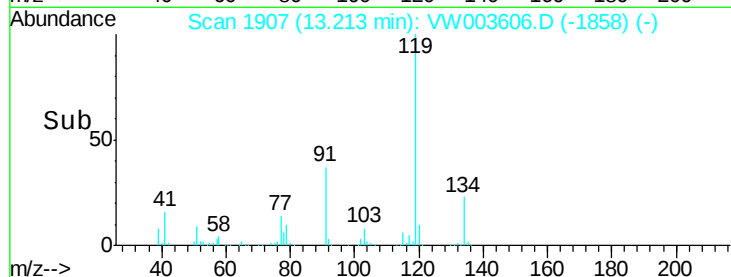
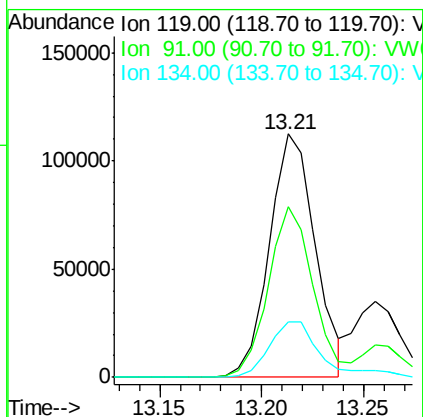
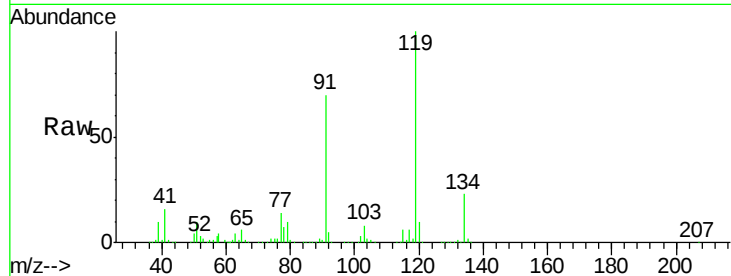




#83
tert-Butylbenzene
Concen: 21.33 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

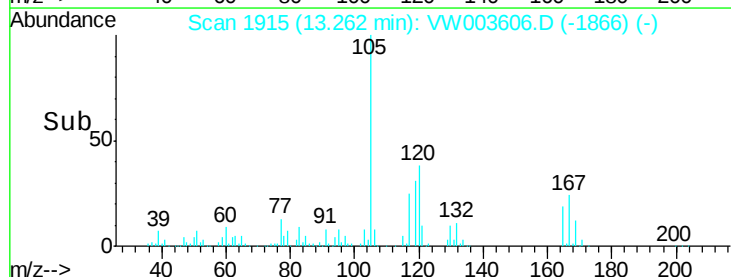
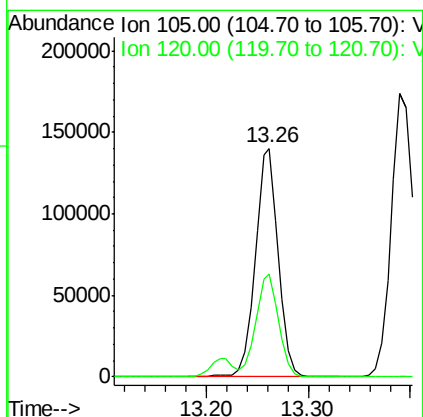
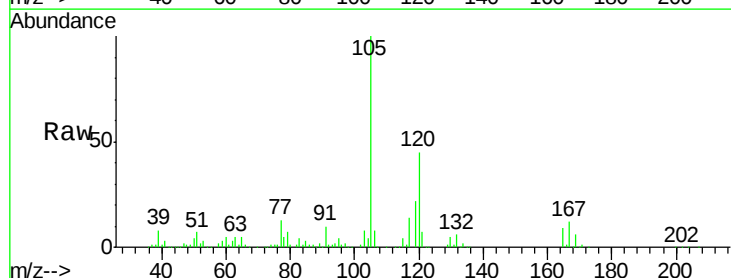
Instrument :
MSVOA_W
ClientSampled :

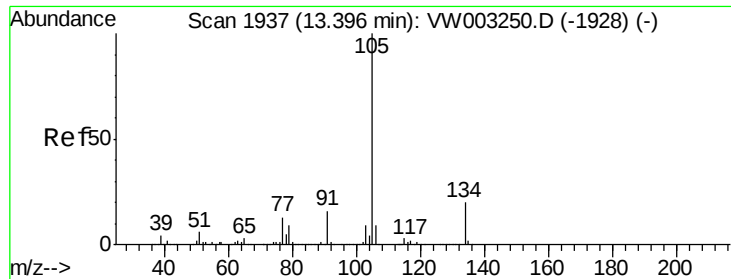
Tot Ion:119 Resp: 175898
Ion Ratio Lower Upper
119 100
91 69.1 33.9 101.7
134 26.3 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 22.00 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003606.D
Acq: 27 Jun 2018 12:05

Tgt Ion:105 Resp: 218980
Ion Ratio Lower Upper
105 100
120 44.8 22.5 67.5

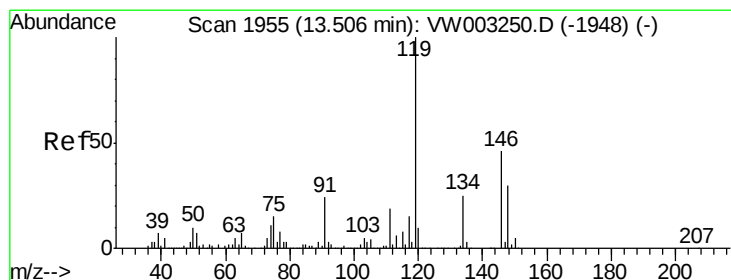
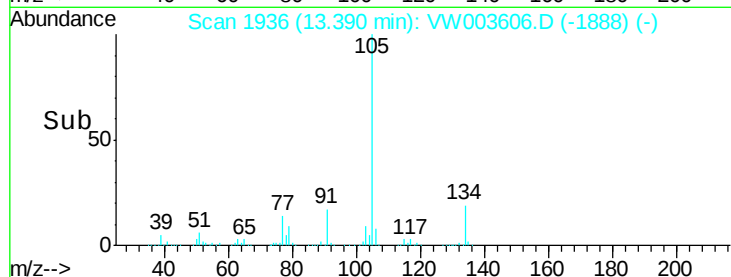
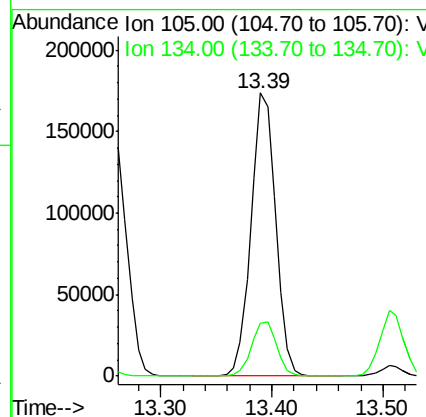
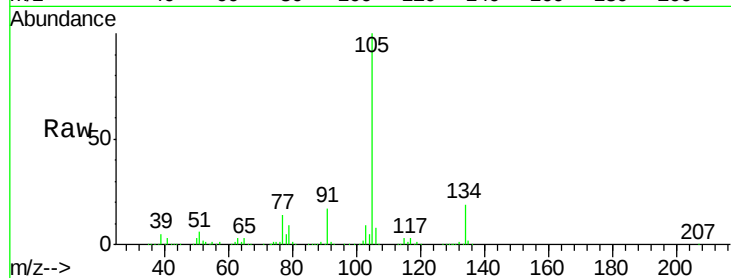




#85
 sec-Butylbenzene
 Concen: 21.79 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

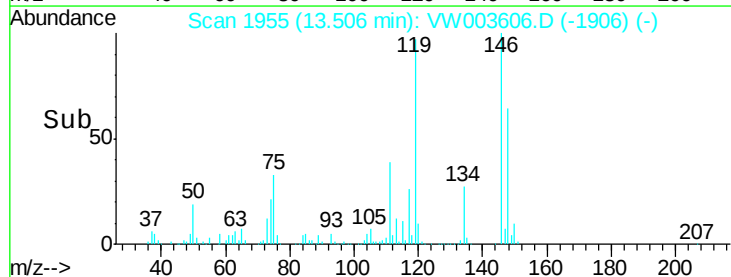
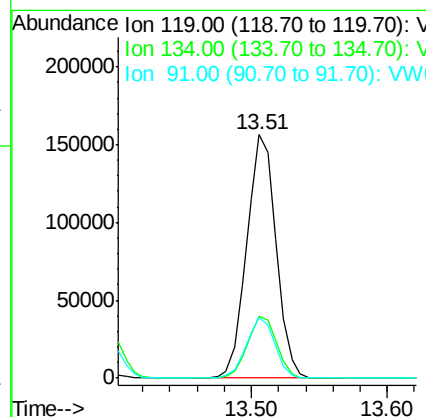
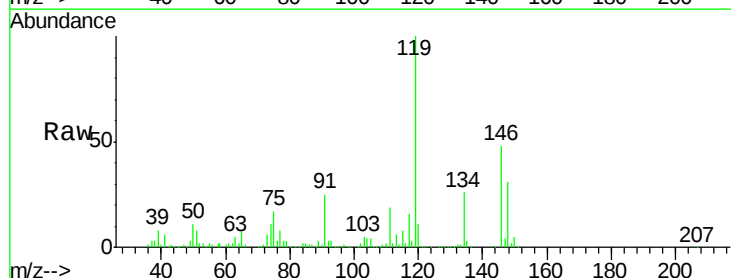
Instrument :
 MSVOA_W
 ClientSampleId :

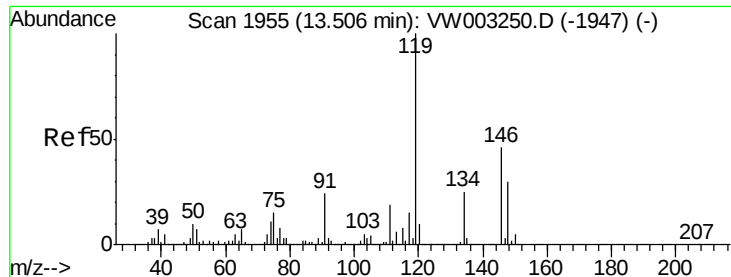
Tot Ion:105 Resp: 267102
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.75 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion:119 Resp: 235197
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.1 11.8 35.3

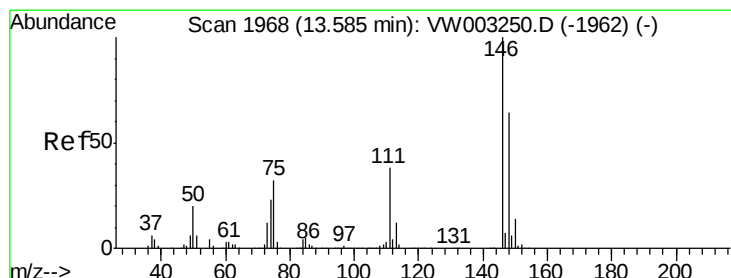
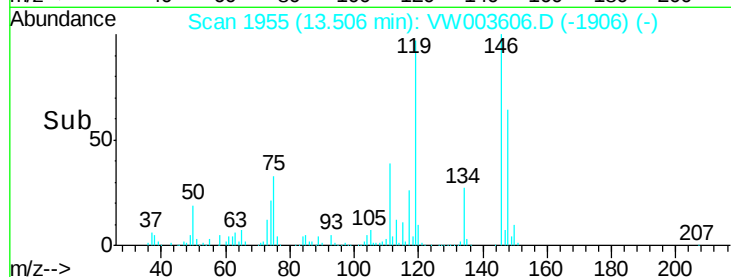
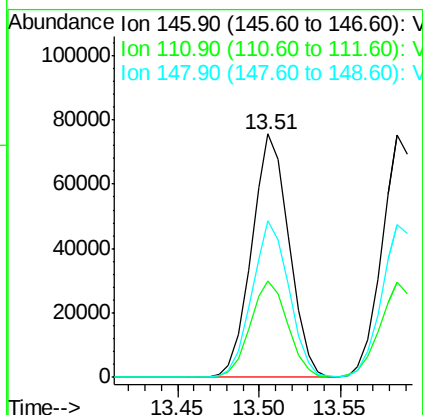
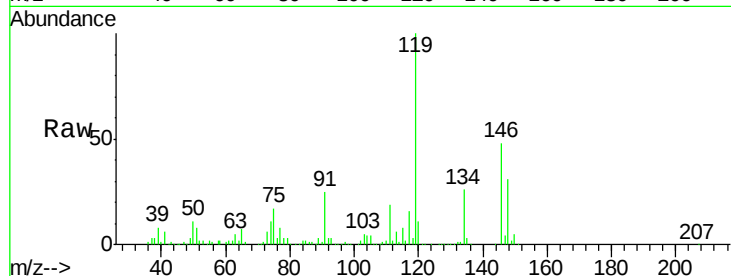




#87
 1,3-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

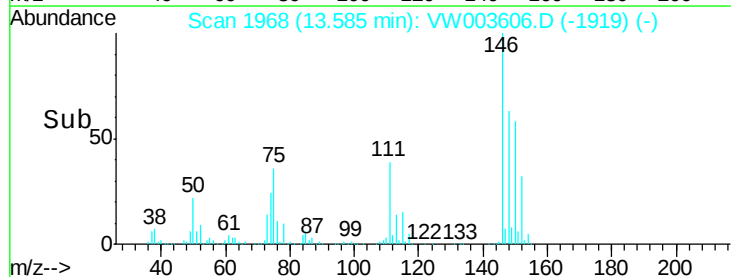
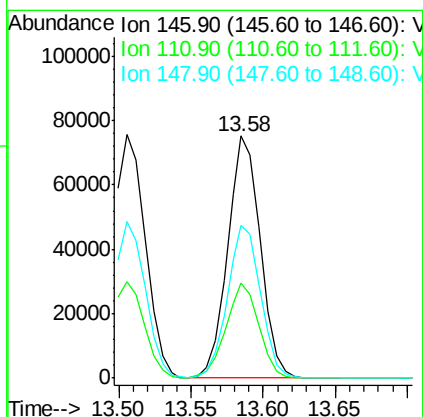
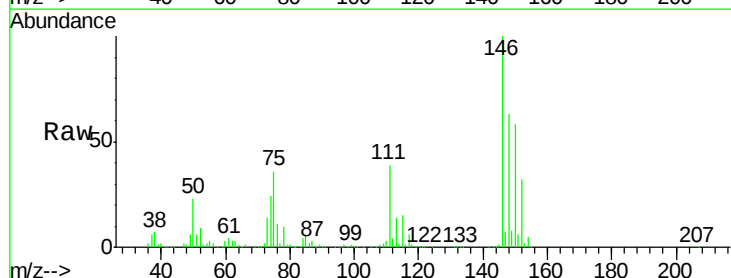
Instrument :
 MSVOA_W
 ClientSampled :

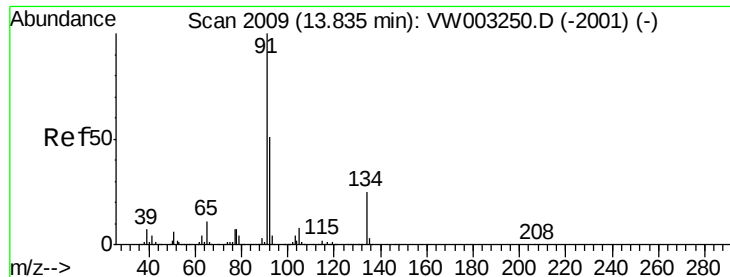
Tot Ion:146 Resp: 119602
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.66 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion:146 Resp: 118772
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.2 57.6
 148 64.2 31.8 95.4





#89

n-Butylbenzene

Concen: 22.18 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

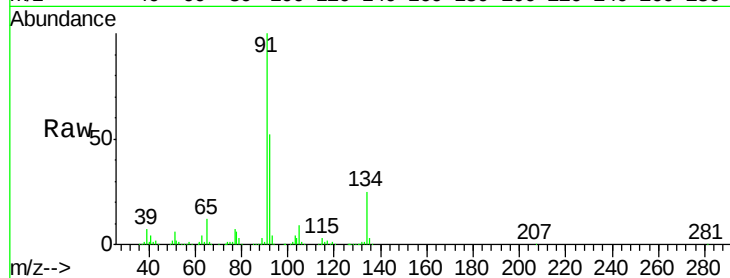
Tot Ion: 91 Resp: 233764

Ion Ratio Lower Upper

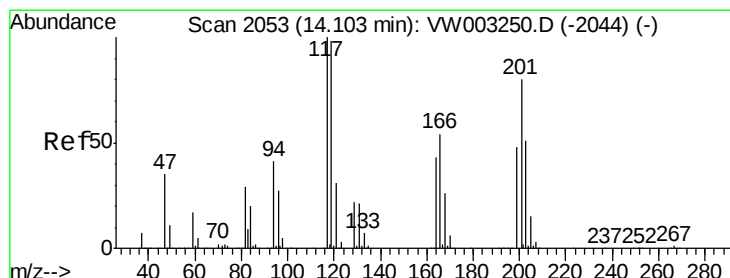
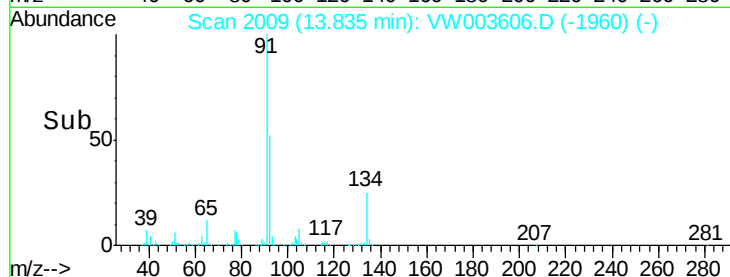
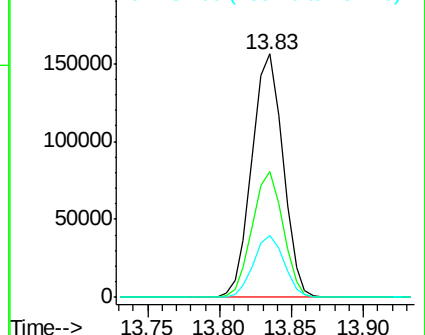
91 100

92 51.1 26.0 78.0

134 25.0 12.7 38.0



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



#90

Hexachloroethane

Concen: 21.78 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003606.D

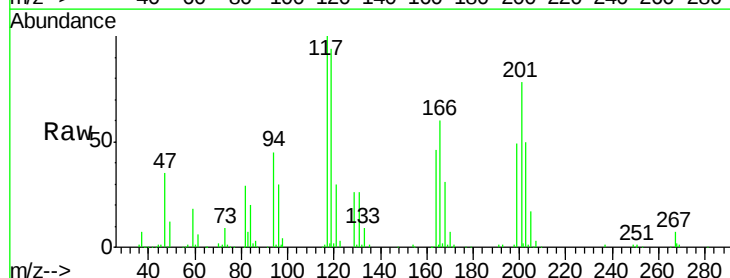
Acq: 27 Jun 2018 12:05

Tgt Ion: 117 Resp: 42593

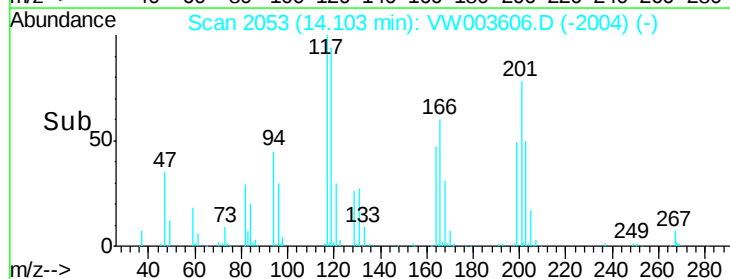
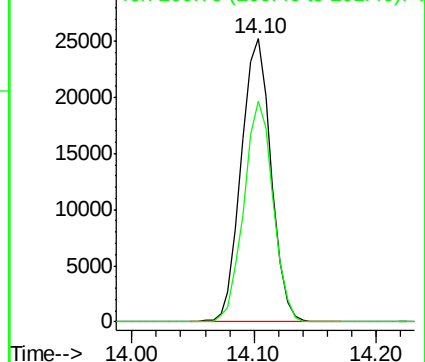
Ion Ratio Lower Upper

117 100

201 76.5 39.5 118.5



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





#91

1,2-Dichlorobenzene

Concen: 21.78 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

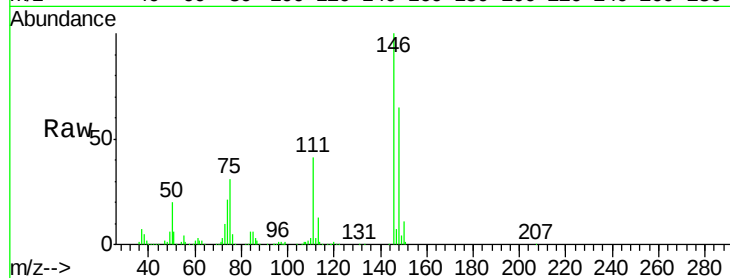
Tot Ion:146 Resp: 105217

Ion Ratio Lower Upper

146 100

111 41.2 20.3 61.0

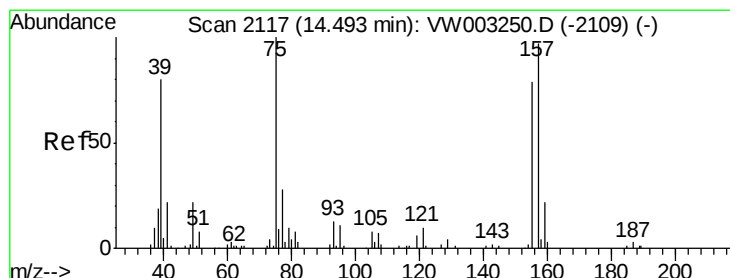
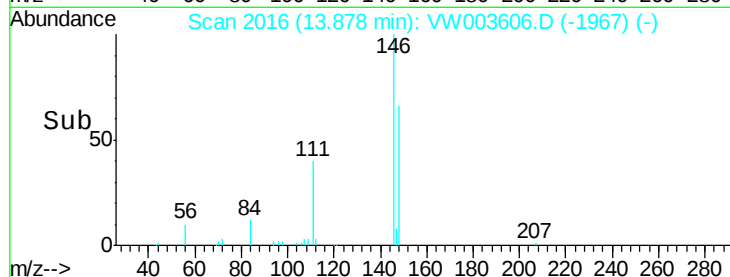
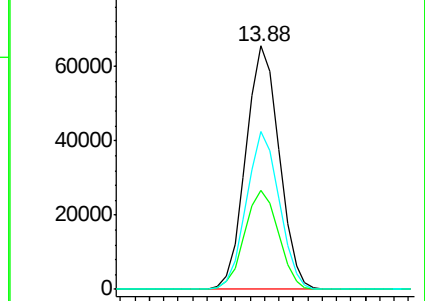
148 64.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.83 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

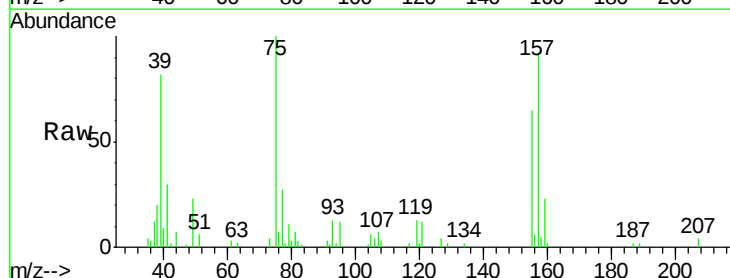
Tgt Ion: 75 Resp: 7166

Ion Ratio Lower Upper

75 100

155 73.0 39.4 118.2

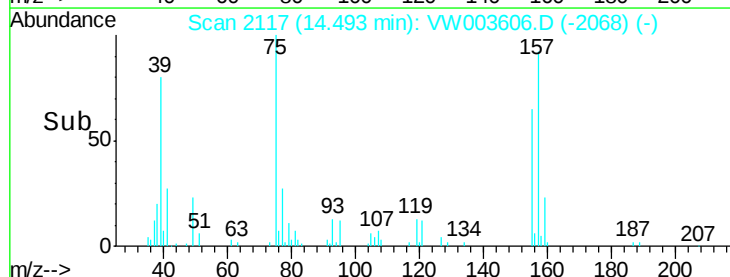
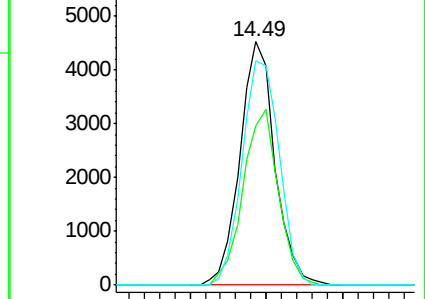
157 98.3 51.5 154.5

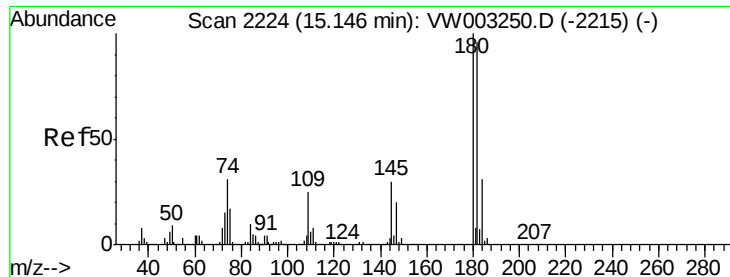


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

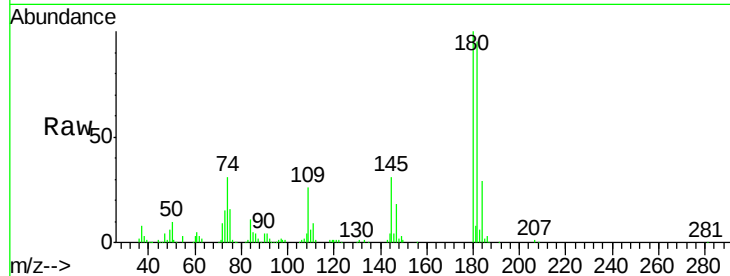




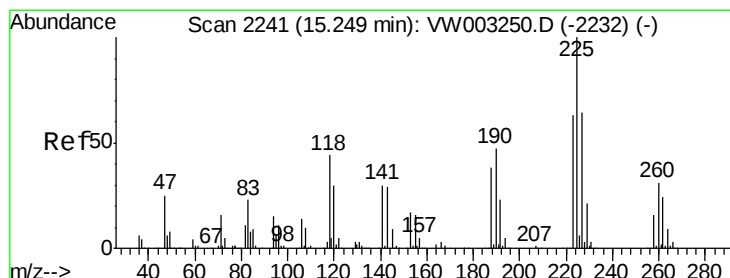
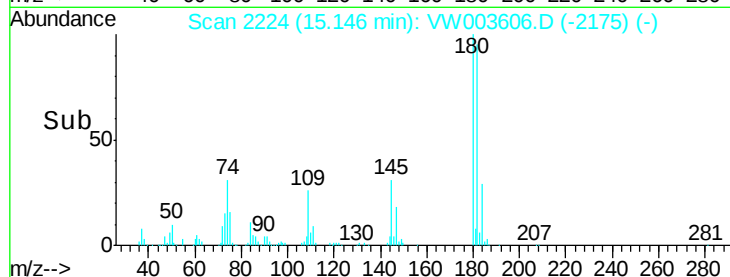
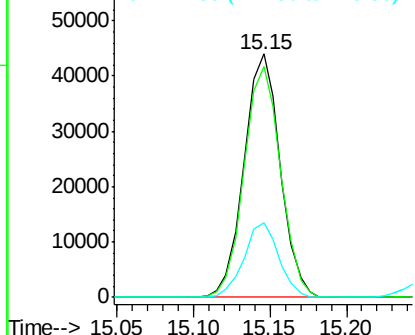
#93
 1,2,4-Trichlorobenzene
 Concen: 21.28 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 72170
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.6
 145 29.6 15.2 45.5

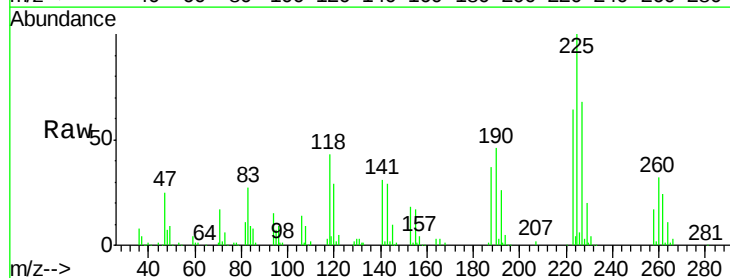


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

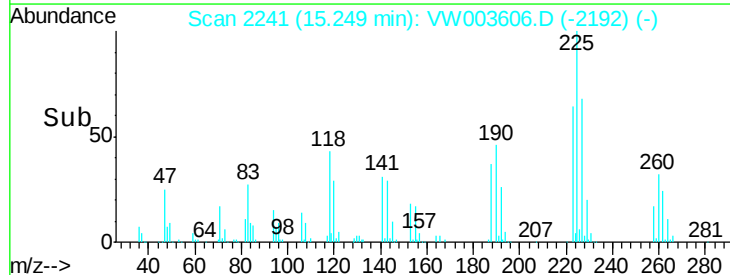
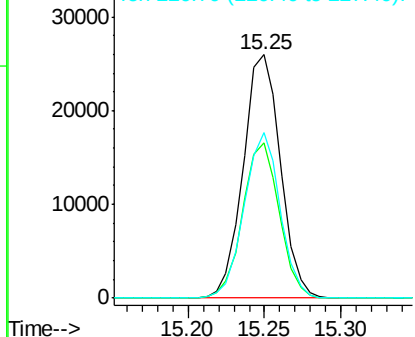


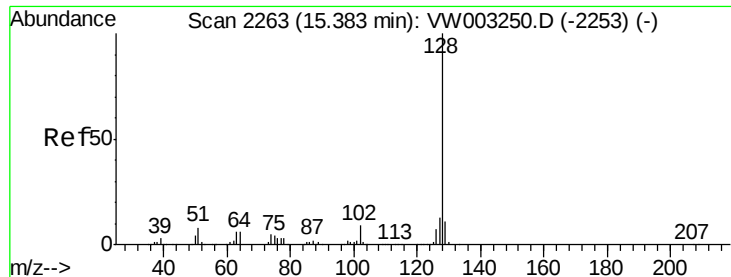
#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003606.D
 Acq: 27 Jun 2018 12:05

Tgt Ion:225 Resp: 43866
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.6 92.0
 227 65.7 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: 20.26 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003606.D

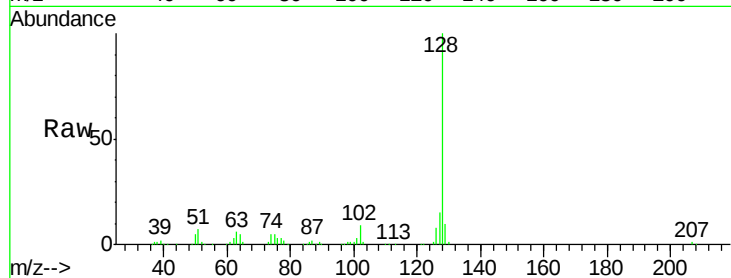
Acq: 27 Jun 2018 12:05

Instrument :

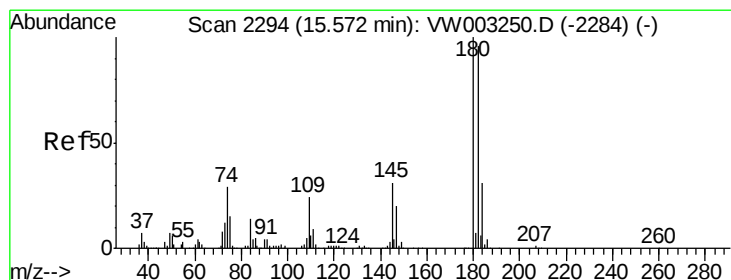
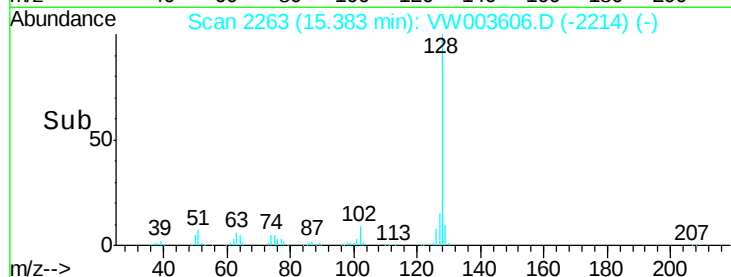
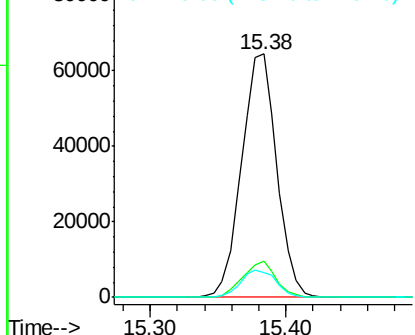
MSVOA_W

ClientSampleId :

Tot Ion:128	Resp:	116566
Ion	Ratio	Lower Upper
128	100	
127	13.9	10.5 15.7
129	11.3	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: 20.98 ug/l

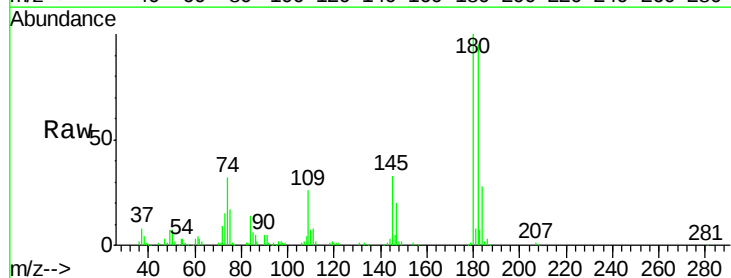
RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003606.D

Acq: 27 Jun 2018 12:05

Tgt Ion:180	Resp:	62633
Ion	Ratio	Lower Upper
180	100	
182	96.3	47.9 143.6
145	31.6	15.8 47.4



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

