

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003657.D
 Acq On : 29 Jun 2018 13:49
 Operator : SY/AP
 Sample : VW0629SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:38:26 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	219148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	339913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135546	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	
35) Dibromofluoromethane	7.88	113	118466	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
50) Toluene-d8	10.33	98	473326	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.62	95	173704	58.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	16889	25.491	ug/l	99
3) Chloromethane	2.21	50	34454	20.582	ug/l	90
4) Vinyl Chloride	2.36	62	49905	20.450	ug/l	97
5) Bromomethane	2.78	94	32000	19.729	ug/l	95
6) Chloroethane	2.92	64	32044	18.865	ug/l	97
7) Trichlorofluoromethane	3.25	101	31438	21.504	ug/l	97
8) Diethyl Ether	3.67	74	25165	23.432	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45880	22.600	ug/l	99
10) Methyl Iodide	4.26	142	65213	21.241	ug/l	99
11) Tert butyl alcohol	5.22	59	15670	123.091	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	43582	21.969	ug/l	97
13) Acrolein	3.89	56	11710	64.337	ug/l	92
14) Allyl chloride	4.66	41	76616	22.296	ug/l	97
15) Acrylonitrile	5.37	53	52666	119.192	ug/l	99
16) Acetone	4.14	43	59447	119.410	ug/l	98
17) Carbon Disulfide	4.37	76	123026	20.976	ug/l	97
18) Methyl Acetate	4.68	43	25298	21.420	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	85613	23.041	ug/l	98
20) Methylene Chloride	4.91	84	51295	22.216	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	47591	22.043	ug/l	96
22) Diisopropyl ether	6.31	45	157244	22.736	ug/l	96
23) Vinyl Acetate	6.26	43	458066	114.936	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93384	22.745	ug/l	98
25) 2-Butanone	7.18	43	77947	125.914	ug/l	93
26) 2,2-Dichloropropane	7.17	77	61702	22.518	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	52514	22.141	ug/l	97
28) Bromochloromethane	7.51	49	35320	20.673	ug/l	98
29) Tetrahydrofuran	7.54	42	44683	118.102	ug/l	98
30) Chloroform	7.68	83	95497	22.831	ug/l	99
31) Cyclohexane	7.95	56	83636	21.805	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	77434	22.428	ug/l	98
36) 1,1-Dichloropropene	8.09	75	74148	22.588	ug/l	100
37) Ethyl Acetate	7.26	43	31534	23.188	ug/l	99
38) Carbon Tetrachloride	8.07	117	74034	22.992	ug/l	95

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 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	82104	21.616	ug/l	95
40) Benzene	8.32	78	207392	22.920	ug/l	99
41) Methacrylonitrile	7.49	41	19364	23.204	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64868	22.882	ug/l	100
43) Isopropyl Acetate	8.43	43	62590	23.179	ug/l	100
44) Trichloroethene	9.10	130	53688	22.392	ug/l	93
45) 1,2-Dichloropropane	9.37	63	53932	23.409	ug/l	98
46) Dibromomethane	9.46	93	27018	22.906	ug/l	98
47) Bromodichloromethane	9.65	83	69013	22.826	ug/l	97
48) Methyl methacrylate	9.44	41	29109	22.938	ug/l	100
49) 1,4-Dioxane	9.48	88	7405	415.787	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	165632	120.376	ug/l	100
52) Toluene	10.39	92	132966	22.916	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	69518	22.509	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	79349	22.573	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39294	23.641	ug/l	97
56) Ethyl methacrylate	10.65	69	45472	22.529	ug/l	99
57) 1,3-Dichloropropane	10.94	76	67130	23.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	105442	116.537	ug/l	98
59) 2-Hexanone	10.98	43	121749	126.660	ug/l	99
60) Dibromochloromethane	11.13	129	45432	22.985	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35993	22.893	ug/l	99
64) Tetrachloroethene	10.87	164	46070	21.834	ug/l	98
65) Chlorobenzene	11.66	112	143750	21.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50384	21.824	ug/l	99
67) Ethyl Benzene	11.74	91	254882	21.887	ug/l	99
68) m/p-Xylenes	11.85	106	196012	44.279	ug/l	99
69) o-Xylene	12.17	106	90857	22.146	ug/l	97
70) Styrene	12.19	104	150964	22.107	ug/l	99
71) Bromoform	12.35	173	26906	22.488	ug/l #	100
73) Isopropylbenzene	12.47	105	251718	21.172	ug/l	100
74) N-amyl acetate	12.28	43	60220	22.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47058	23.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61585	42.144	ug/l #	100
77) Bromobenzene	12.76	156	59904	21.635	ug/l	97
78) n-propylbenzene	12.81	91	318324	21.866	ug/l	99
79) 2-Chlorotoluene	12.90	91	178608	21.710	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	218141	21.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13706	21.582	ug/l	94
82) 4-Chlorotoluene	12.99	91	188191	21.563	ug/l	100
83) tert-Butylbenzene	13.21	119	181945	21.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	225246	21.942	ug/l	99
85) sec-Butylbenzene	13.39	105	272855	21.584	ug/l	100
86) p-Isopropyltoluene	13.51	119	240905	21.606	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	122622	21.557	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	123132	21.775	ug/l	99
89) n-Butylbenzene	13.83	91	238674	21.960	ug/l	99
90) Hexachloroethane	14.10	117	43581	21.607	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	108882	21.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8048	23.776	ug/l	96

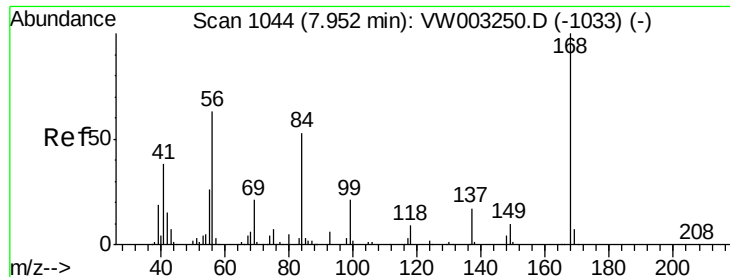
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062918\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	74421	21.276	ug/l	100
94) Hexachlorobutadiene	15.25	225	45584	21.665	ug/l	98
95) Naphthalene	15.38	128	129522	21.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	65618	21.312	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

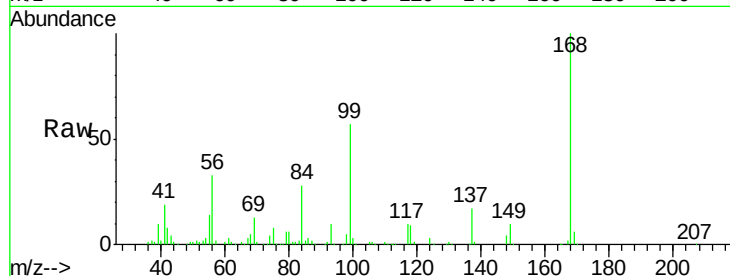
ClientSampleId :

Tot Ion:168 Resp: 219148

Ion Ratio Lower Upper

168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

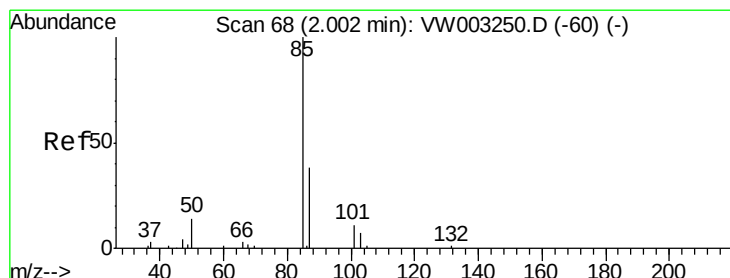
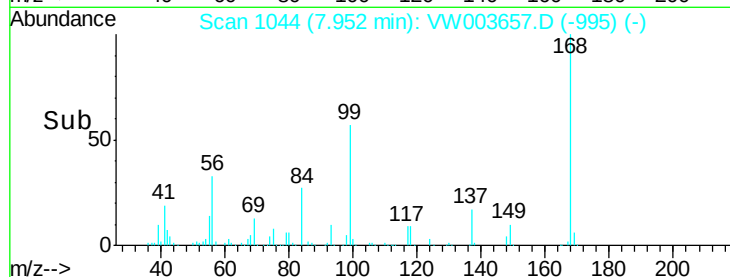
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 25.491 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003657.D

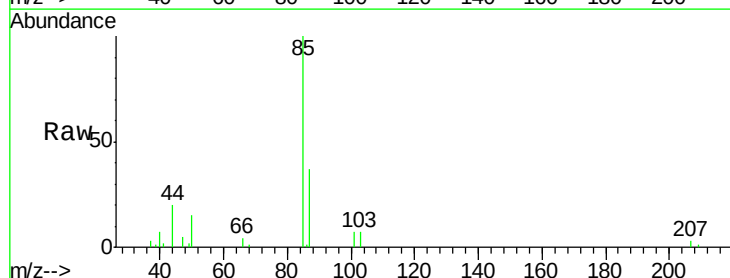
Acq: 29 Jun 2018 13:49

Tgt Ion: 85 Resp: 16889

Ion Ratio Lower Upper

85 100

87 37.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

6000

5000

4000

3000

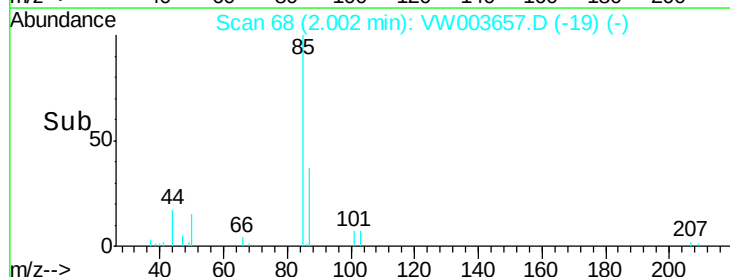
2000

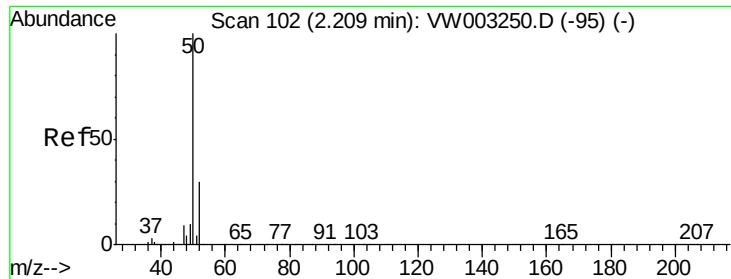
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.582 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

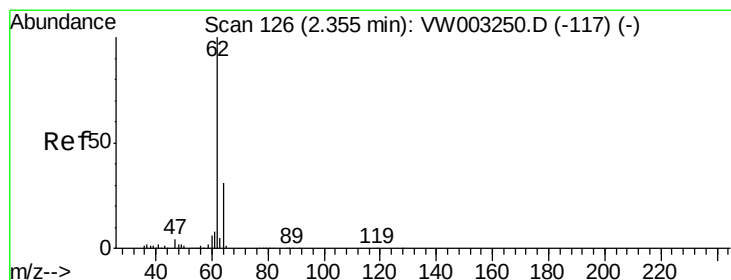
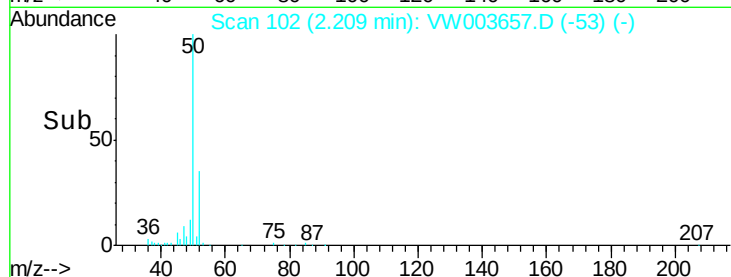
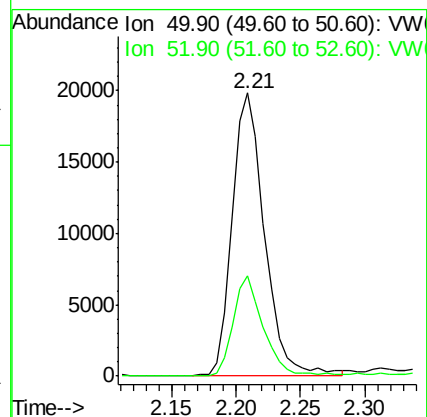
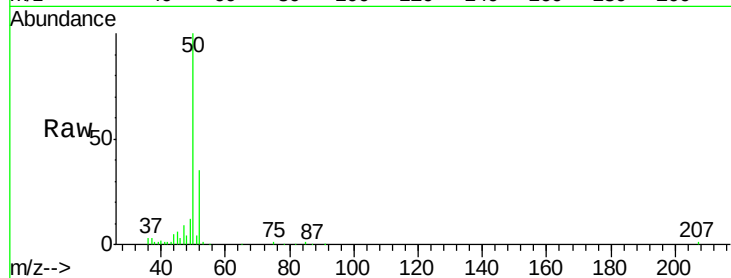
ClientSampled :

Tot Ion: 50 Resp: 34454

Ion Ratio Lower Upper

50 100

52 35.5 24.2 36.2



#4

Vinyl Chloride

Concen: 20.450 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003657.D

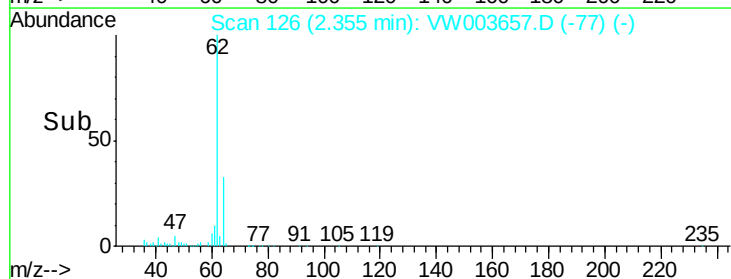
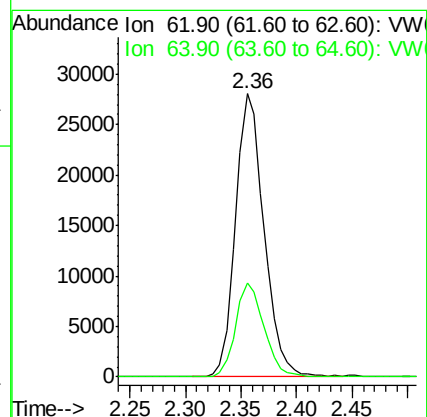
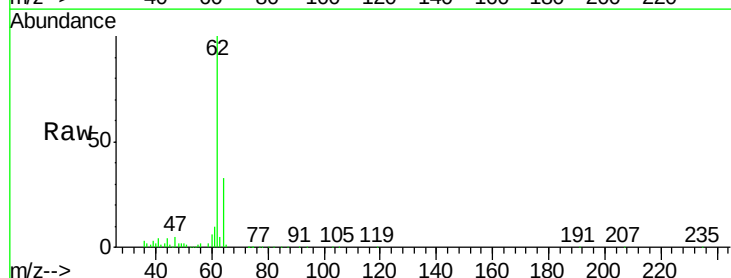
Acq: 29 Jun 2018 13:49

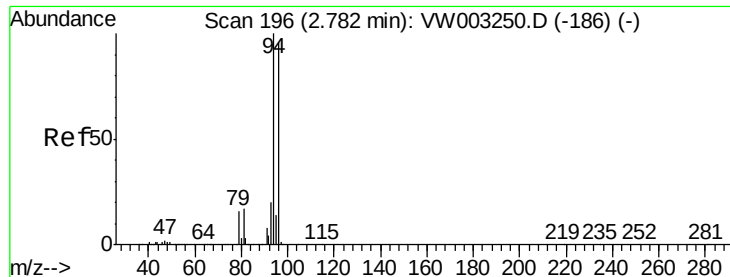
Tgt Ion: 62 Resp: 49905

Ion Ratio Lower Upper

62 100

64 33.0 24.9 37.3





#5

Bromomethane

Concen: 19.729 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

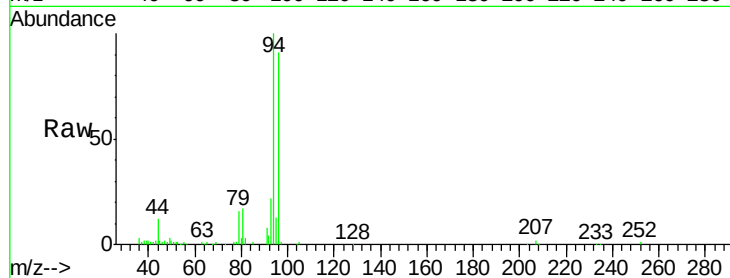
ClientSampleId :

Tot Ion: 94 Resp: 32000

Ion Ratio Lower Upper

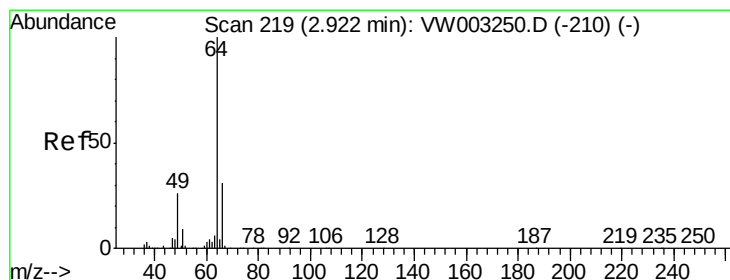
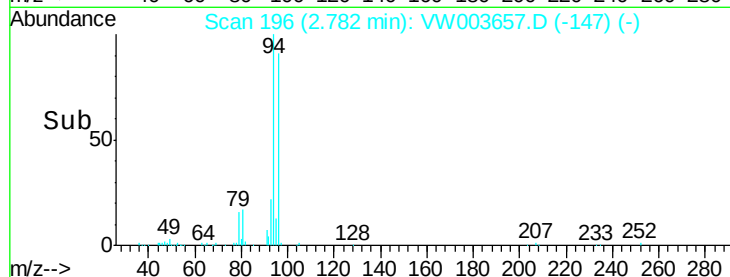
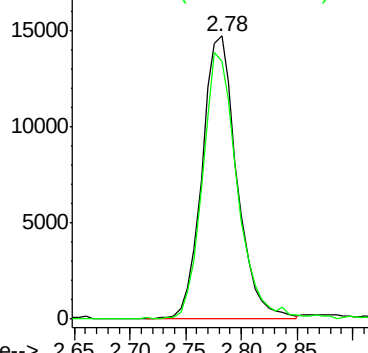
94 100

96 90.6 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: 18.865 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003657.D

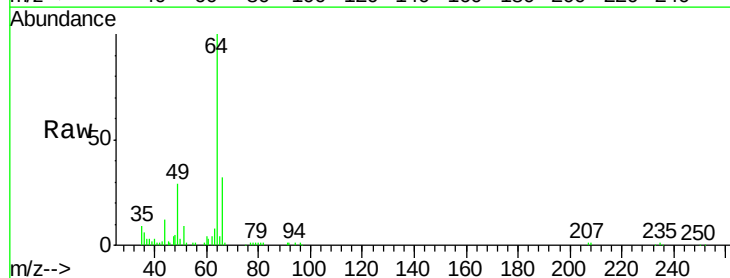
Acq: 29 Jun 2018 13:49

Tgt Ion: 64 Resp: 32044

Ion Ratio Lower Upper

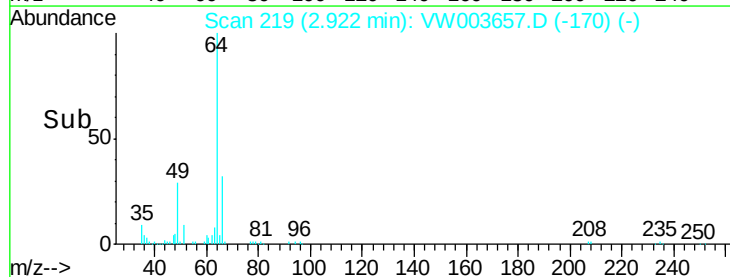
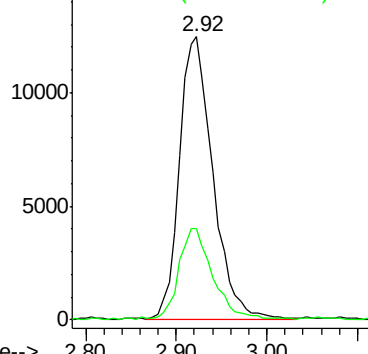
64 100

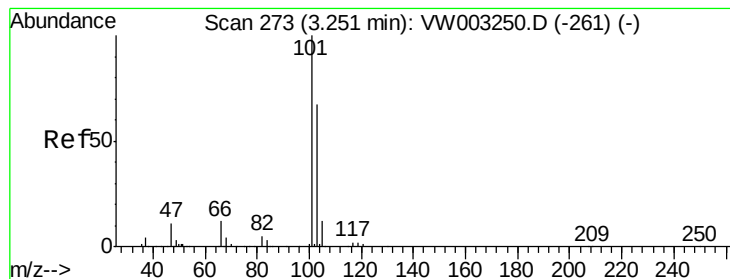
66 32.2 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



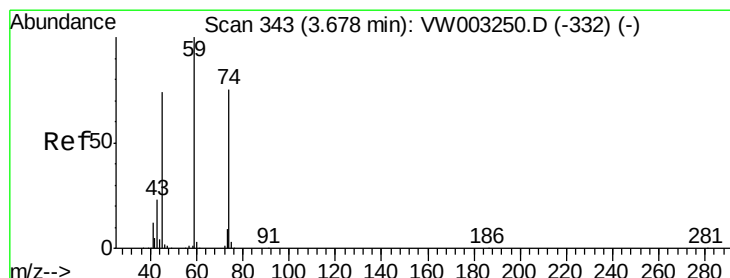
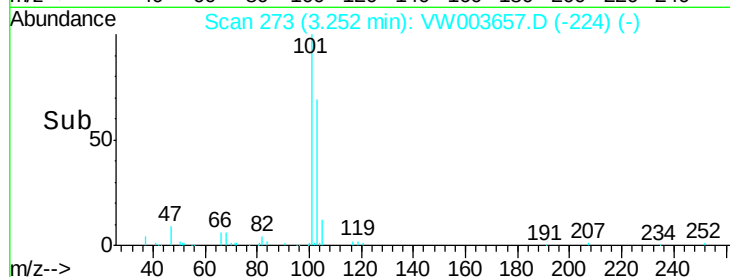
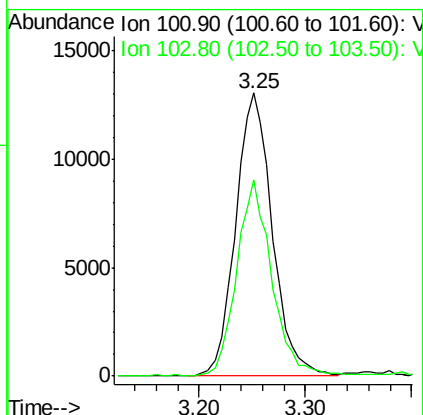
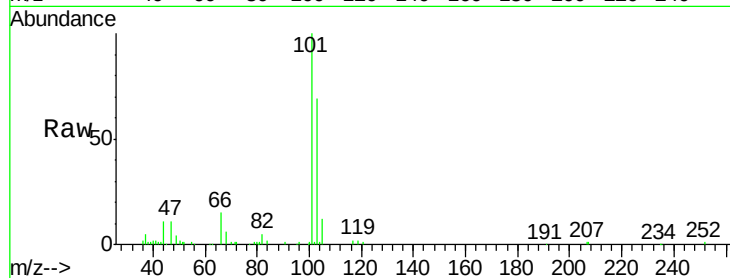


#7

Trichlorofluoromethane
Concen: 21.504 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampleId :

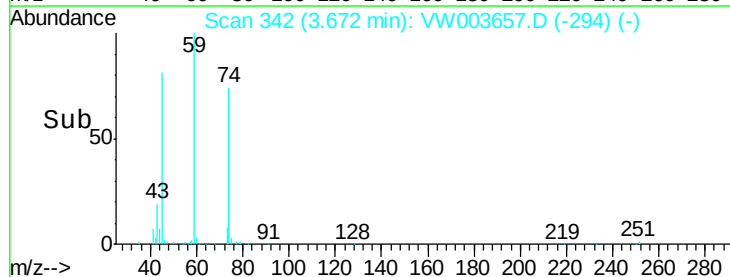
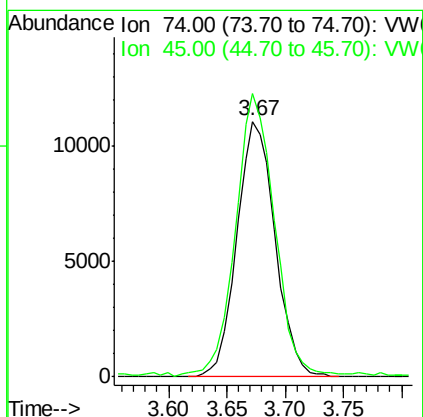
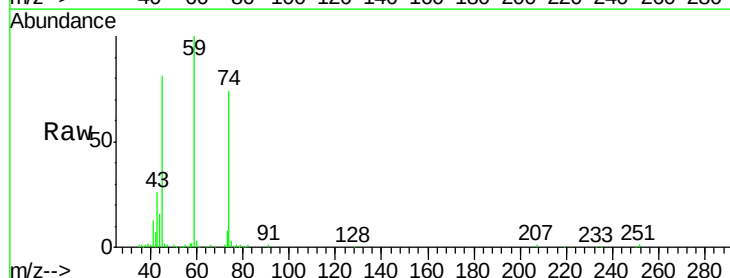
Tot Ion:101 Resp: 31438
Ion Ratio Lower Upper
101 100
103 69.2 53.4 80.0

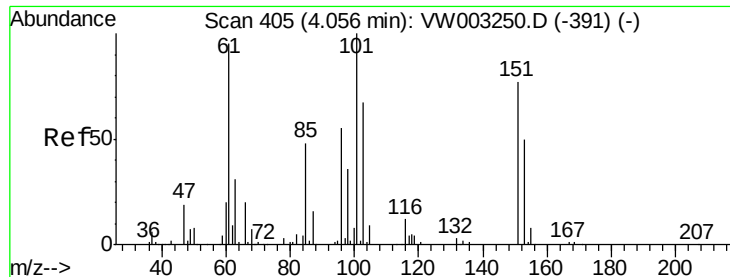


#8

Diethyl Ether
Concen: 23.432 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 74 Resp: 25165
Ion Ratio Lower Upper
74 100
45 114.2 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.600 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampled :

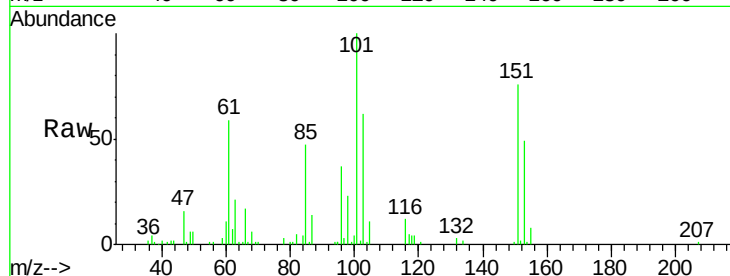
Tot Ion:101 Resp: 45880

Ion Ratio Lower Upper

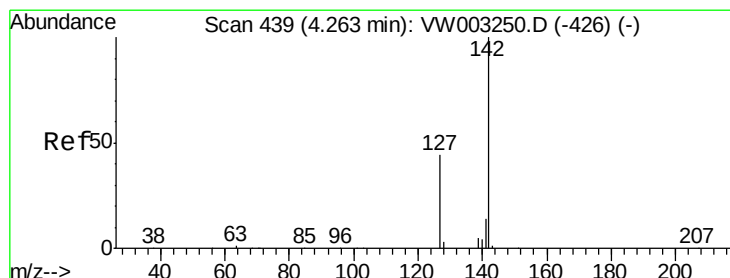
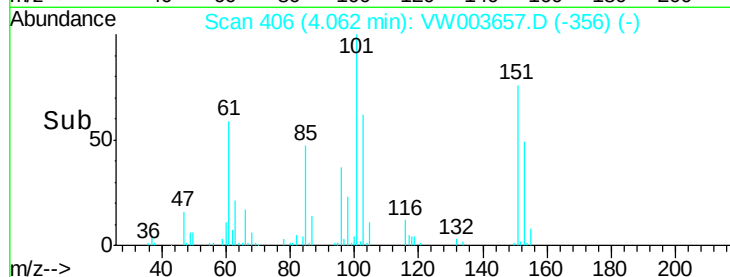
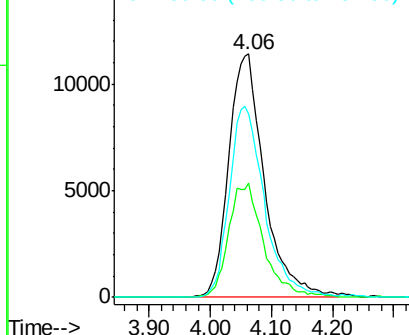
101 100

85 46.1 37.0 55.6

151 77.6 63.3 94.9



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



#10

Methyl Iodide

Concen: 21.241 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

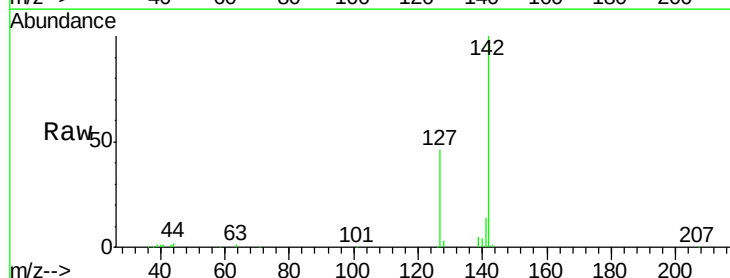
Tgt Ion:142 Resp: 65213

Ion Ratio Lower Upper

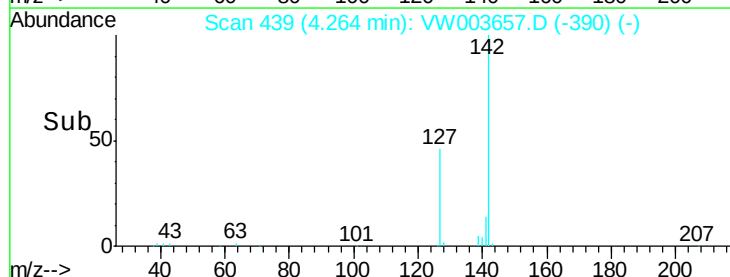
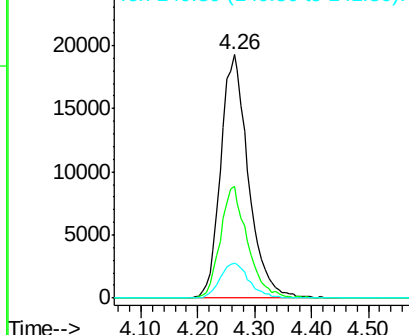
142 100

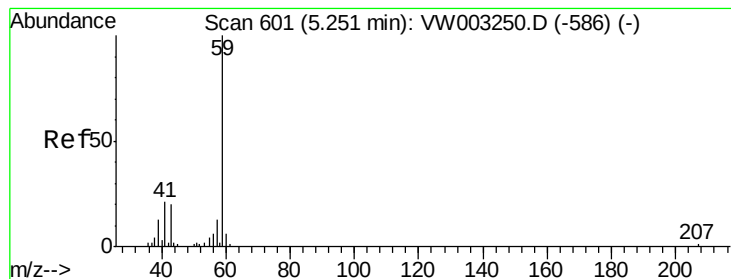
127 44.8 36.5 54.7

141 14.9 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



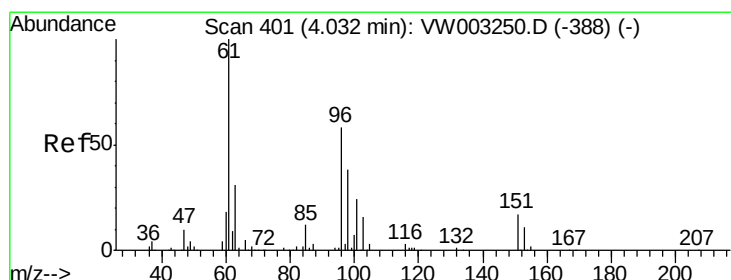
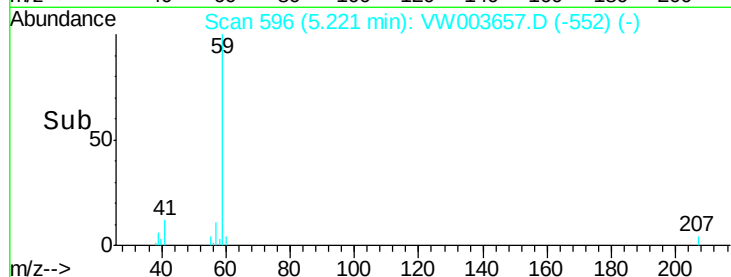
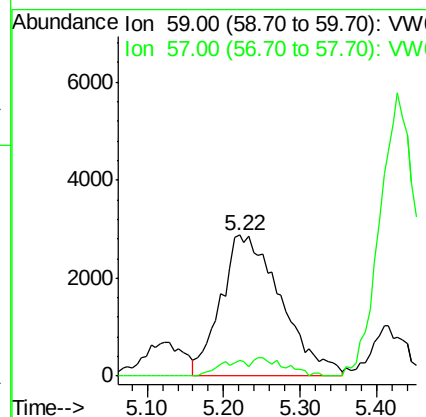
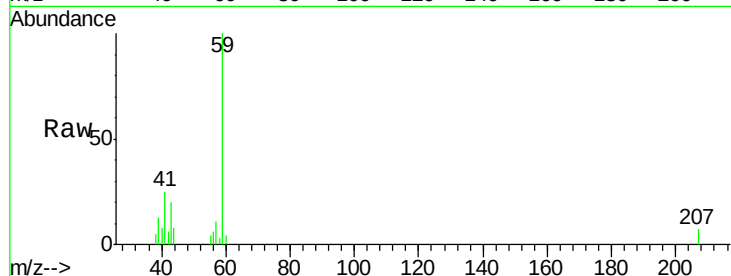


#11

Tert butyl alcohol
Concen: 123.091 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.03 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampled :

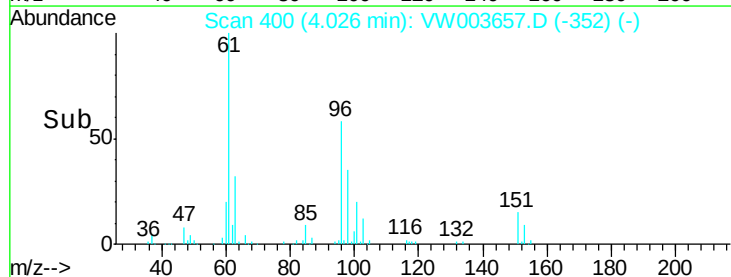
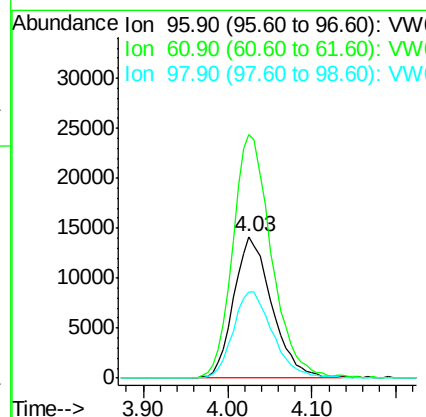
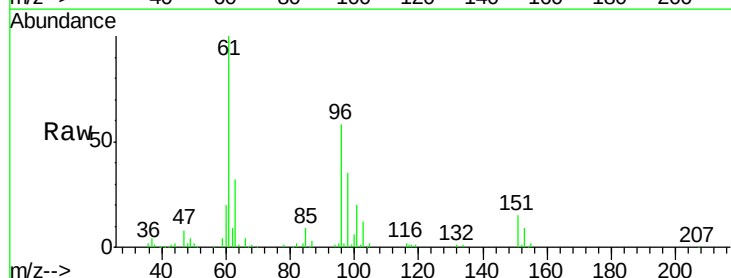
Tot Ion: 59 Resp: 15670
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

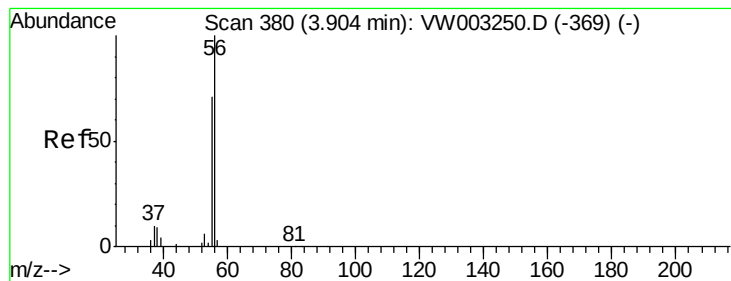


#12

1,1-Dichloroethene
Concen: 21.969 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 96 Resp: 43582
Ion Ratio Lower Upper
96 100
61 172.1 139.0 208.4
98 61.0 53.3 79.9





#13

Acrolein

Concen: 64.337 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

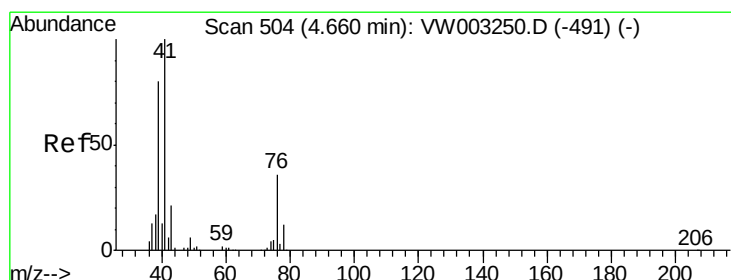
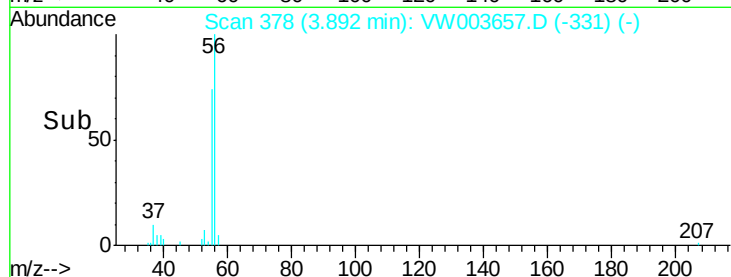
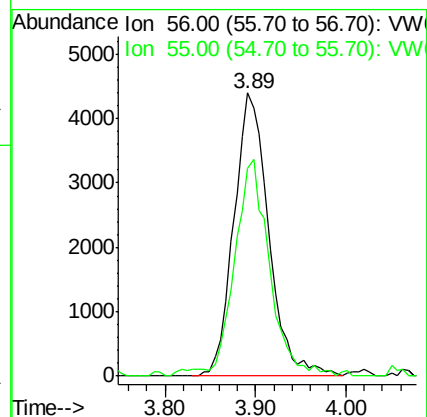
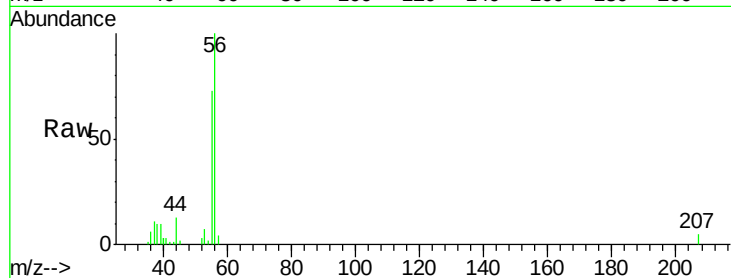
ClientSampled :

Tot Ion: 56 Resp: 11710

Ion Ratio Lower Upper

56 100

55 75.4 55.4 83.2



#14

Allyl chloride

Concen: 22.296 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

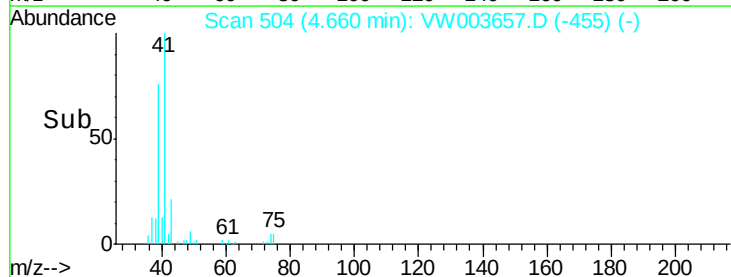
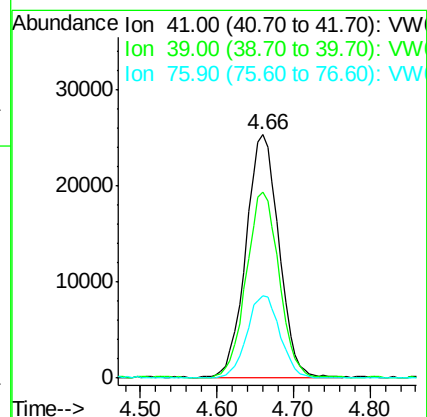
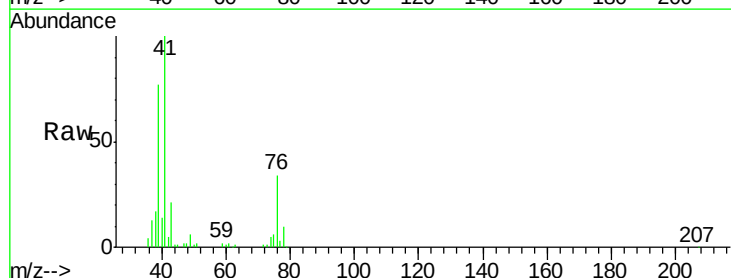
Tgt Ion: 41 Resp: 76616

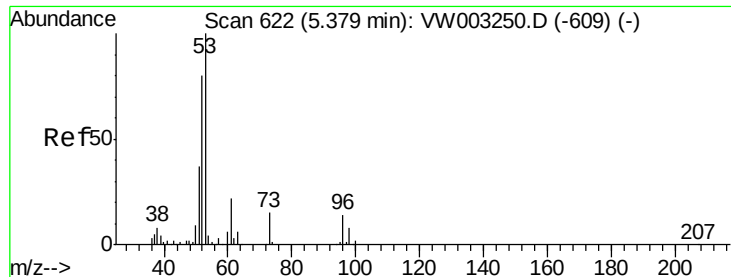
Ion Ratio Lower Upper

41 100

39 75.8 63.2 94.8

76 33.6 28.0 42.0





#15

Acrylonitrile

Concen: 119.192 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

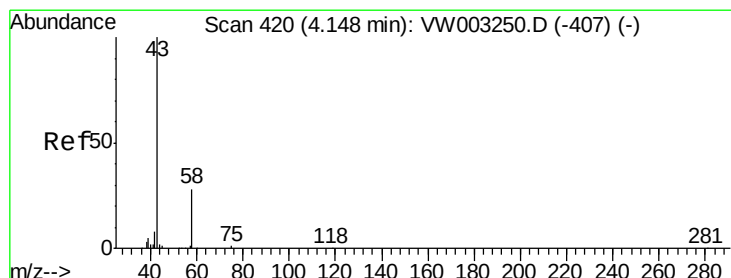
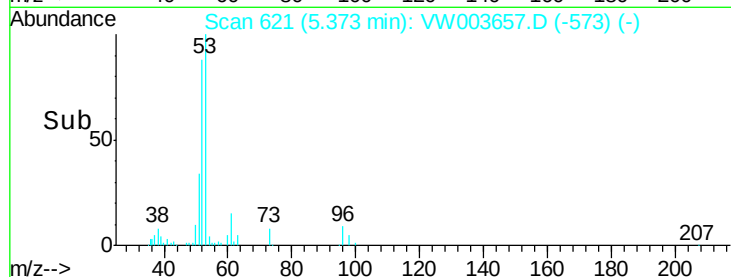
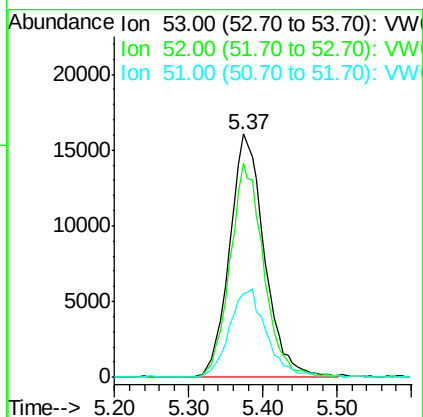
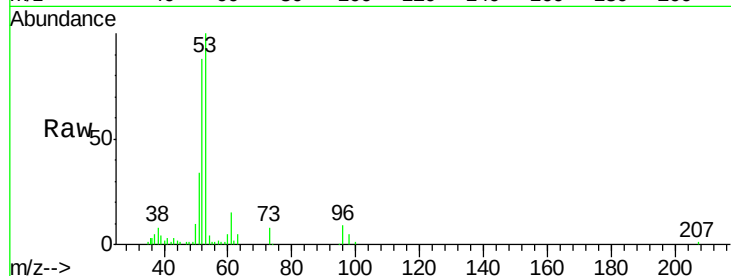
Tot Ion: 53 Resp: 52666

Ion Ratio Lower Upper

53 100

52 84.9 66.6 100.0

51 38.4 30.6 46.0



#16

Acetone

Concen: 119.410 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003657.D

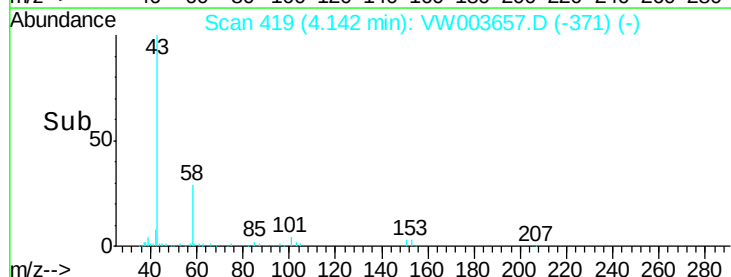
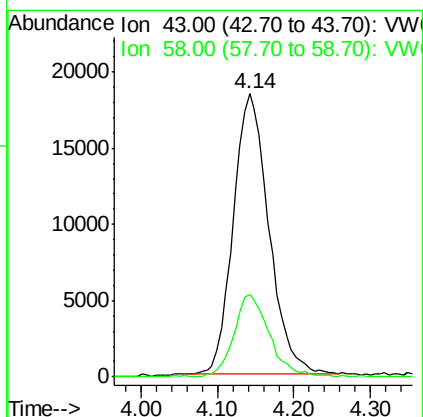
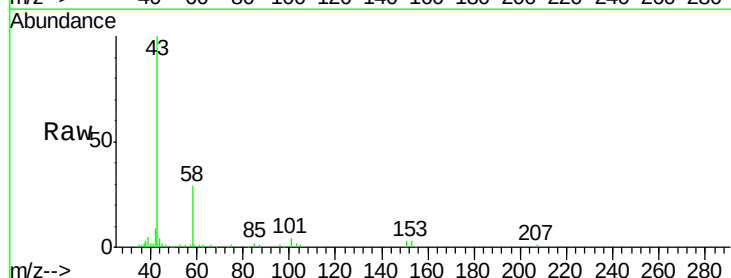
Acq: 29 Jun 2018 13:49

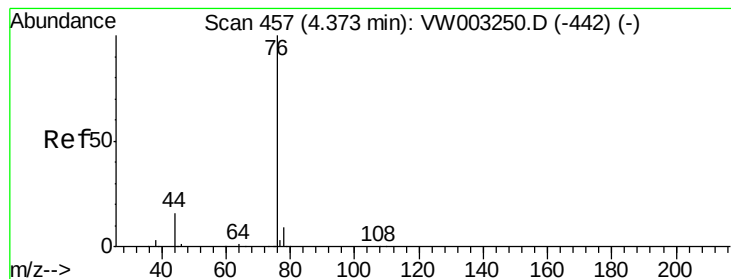
Tgt Ion: 43 Resp: 59447

Ion Ratio Lower Upper

43 100

58 29.3 22.6 34.0





#17

Carbon Disulfide

Concen: 20.976 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

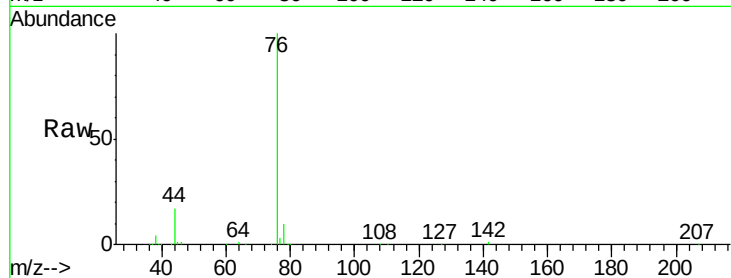
ClientSampled :

Tot Ion: 76 Resp: 123026

Ion Ratio Lower Upper

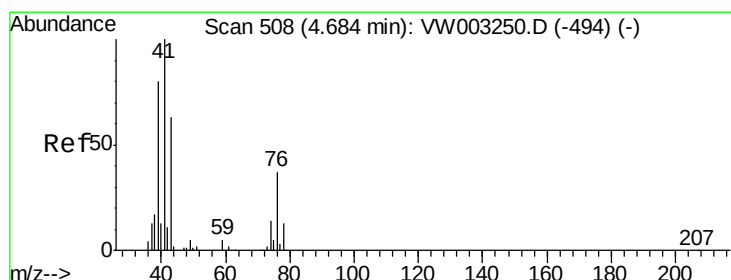
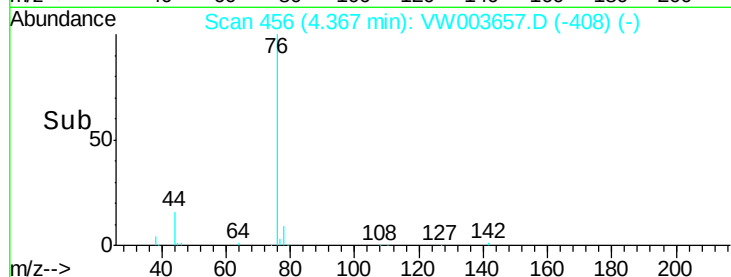
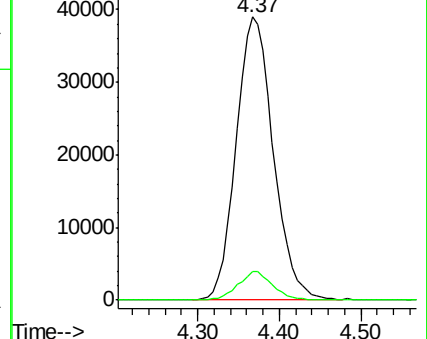
76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.420 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003657.D

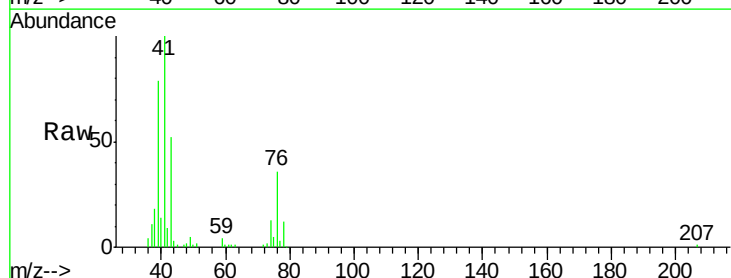
Acq: 29 Jun 2018 13:49

Tgt Ion: 43 Resp: 25298

Ion Ratio Lower Upper

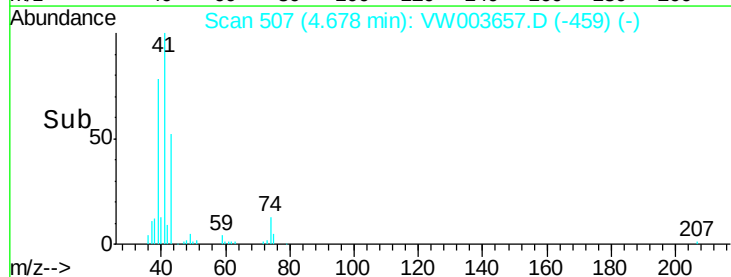
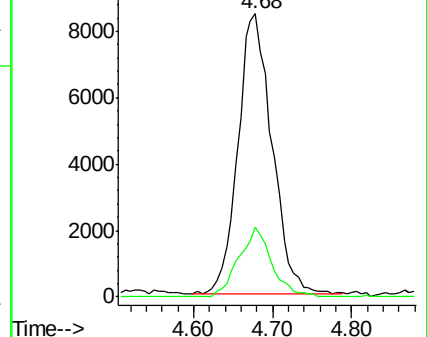
43 100

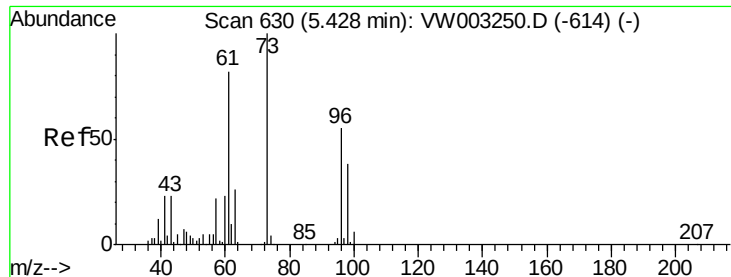
74 24.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

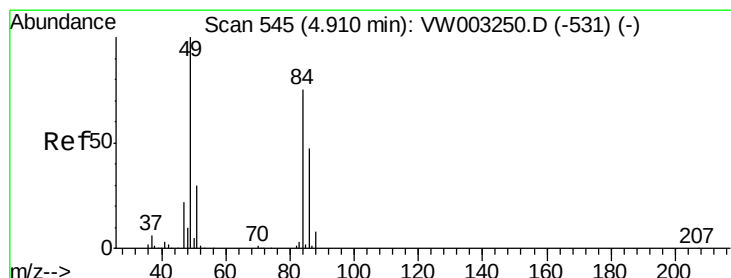
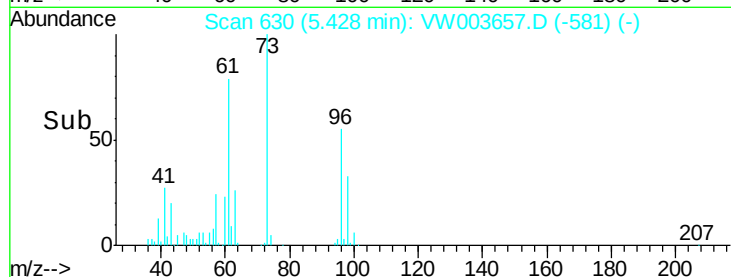
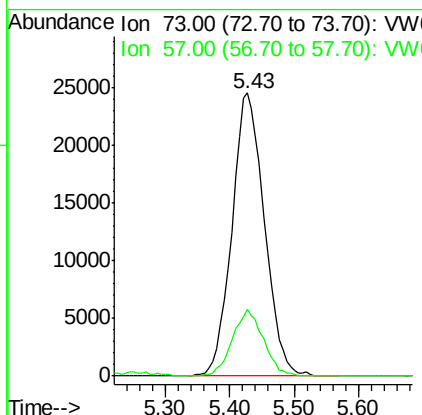
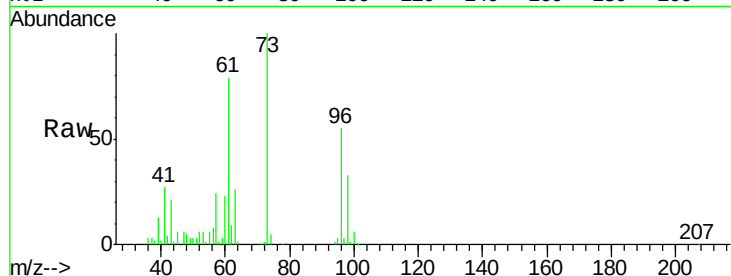




#19
Methyl tert-butyl Ether
Concen: 23.041 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

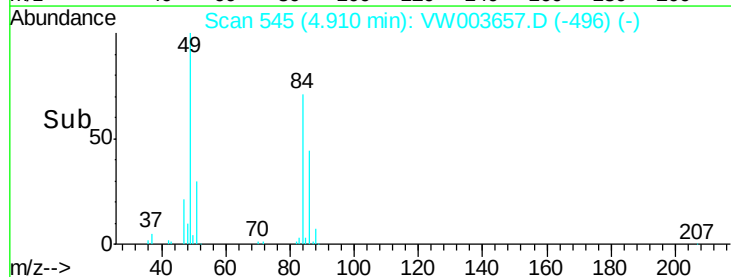
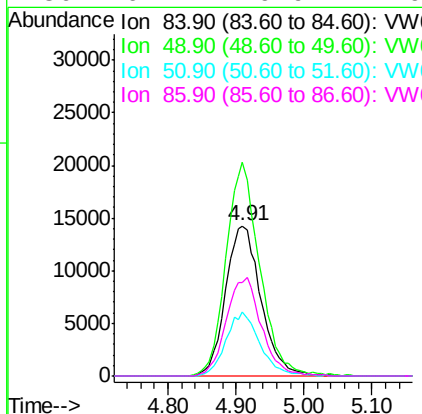
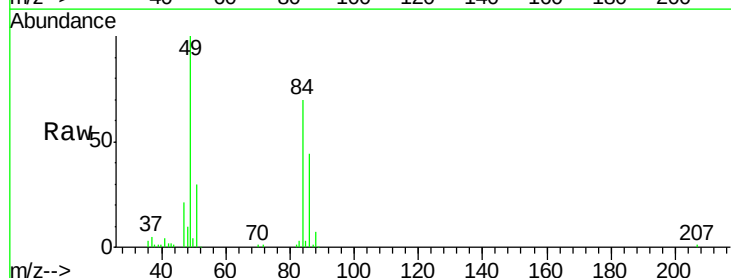
Instrument :
MSVOA_W
ClientSampled :

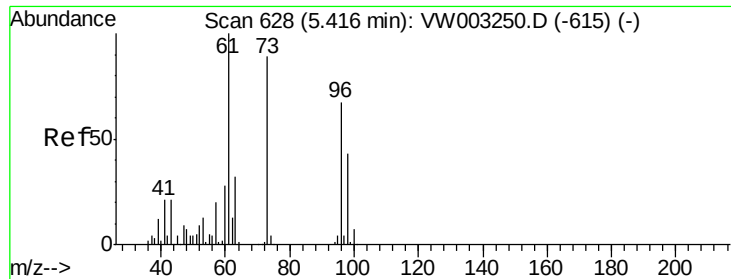
Tot Ion: 73 Resp: 85613
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 22.216 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 84 Resp: 51295
Ion Ratio Lower Upper
84 100
49 141.7 106.3 159.5
51 43.0 32.0 48.0
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.043 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

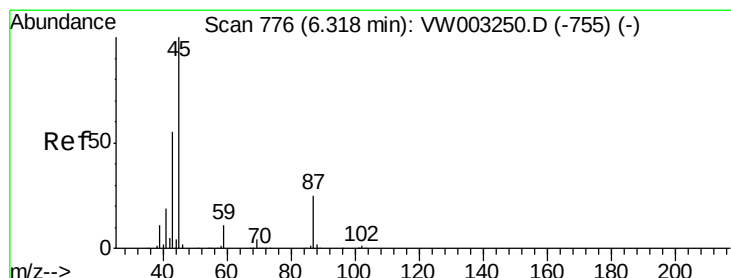
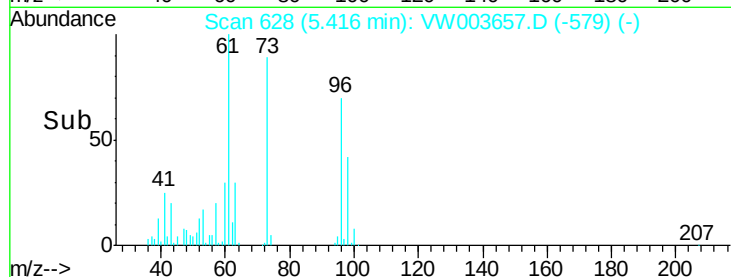
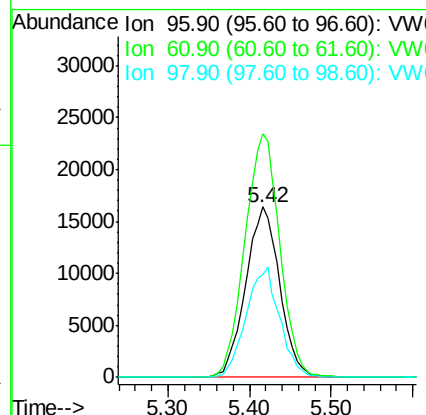
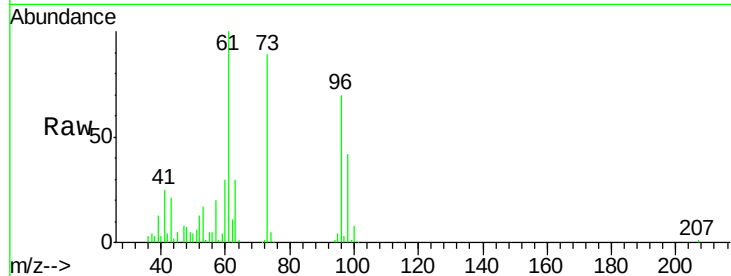
Tot Ion: 96 Resp: 47591

Ion Ratio Lower Upper

96 100

61 142.9 118.7 178.1

98 60.0 51.0 76.6



#22

Diisopropyl ether

Concen: 22.736 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Tgt Ion: 45 Resp: 157244

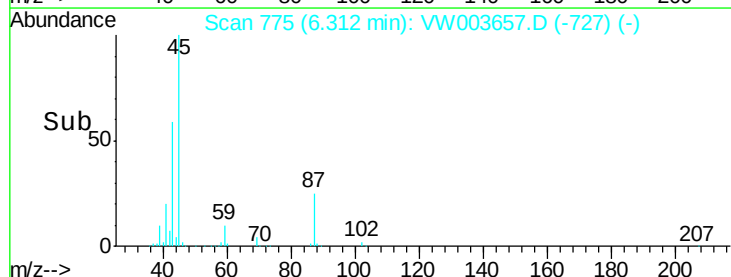
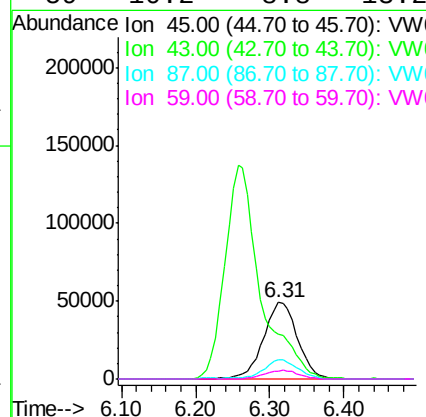
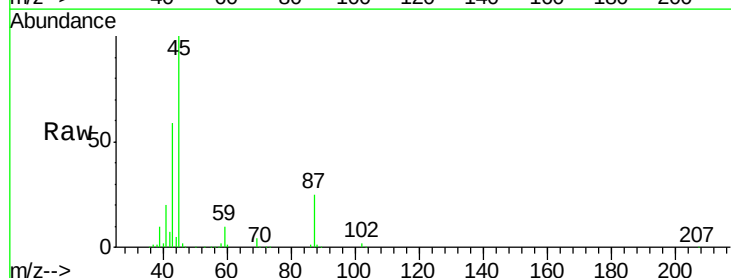
Ion Ratio Lower Upper

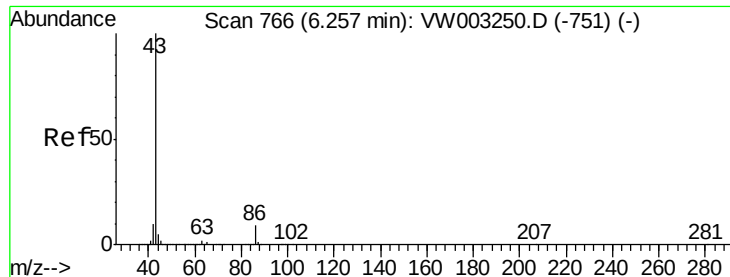
45 100

43 58.6 44.0 66.0

87 24.6 20.6 31.0

59 10.2 8.8 13.2





#23

Vinyl Acetate

Concen: 114.936 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

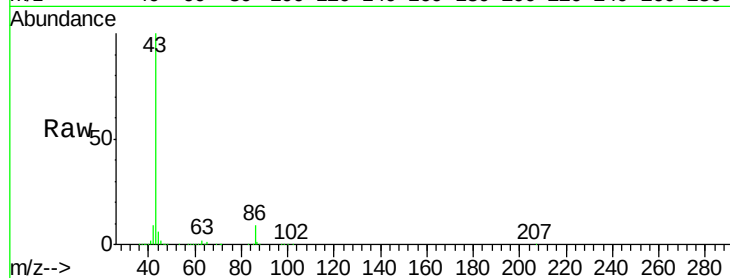
ClientSampleId :

Tot Ion: 43 Resp: 458066

Ion Ratio Lower Upper

43 100

86 9.4 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

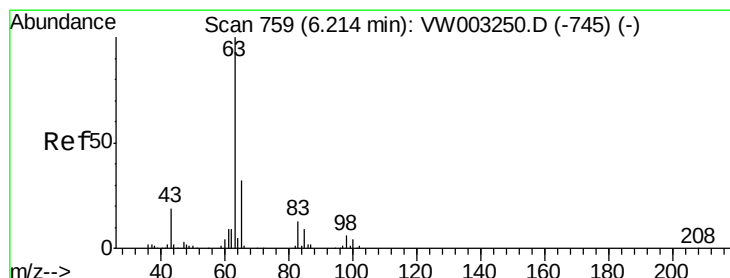
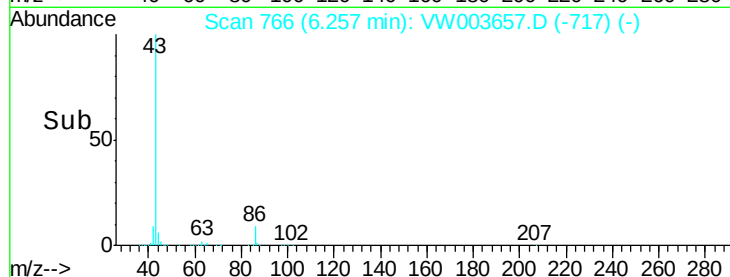
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.745 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

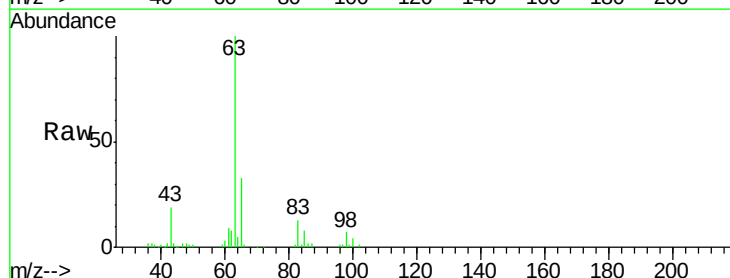
Tgt Ion: 63 Resp: 93384

Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.3

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

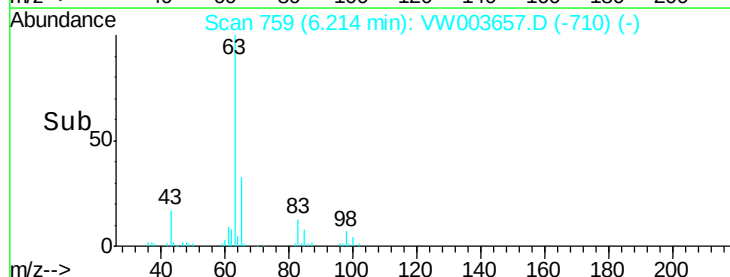
30000

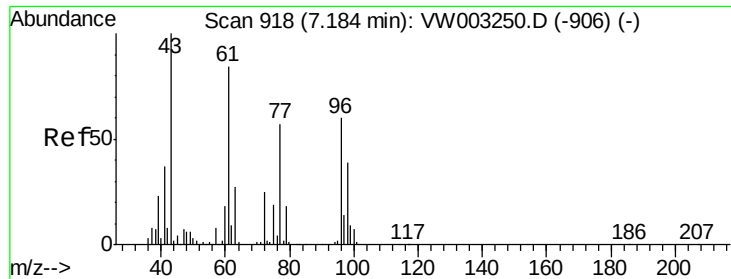
20000

10000

0

Time-->

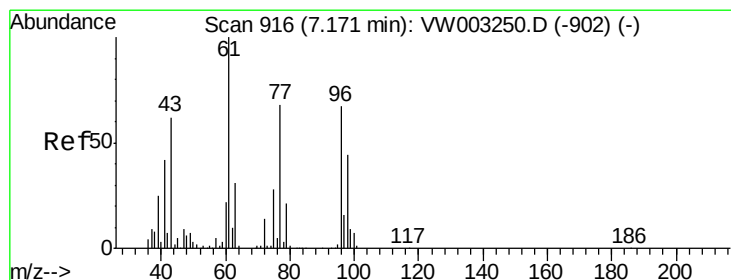
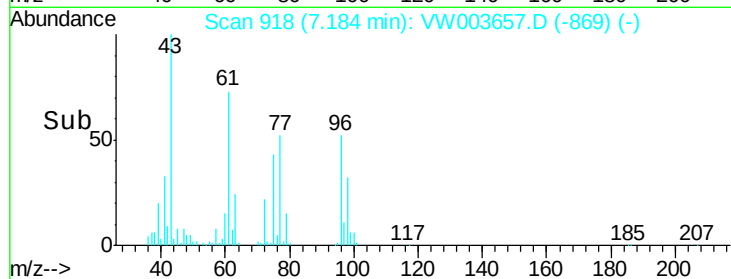
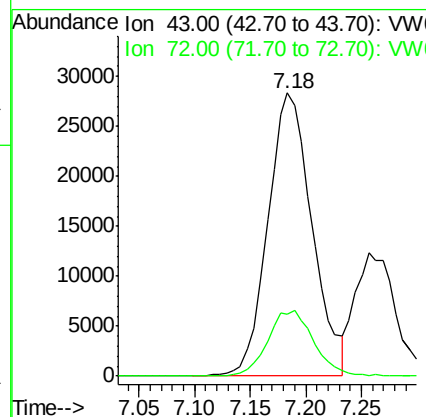
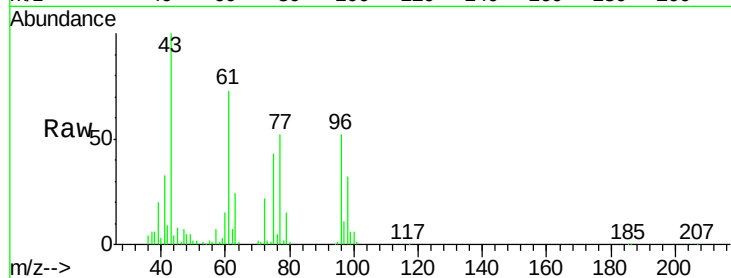




#25
2-Butanone
Concen: 125.914 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

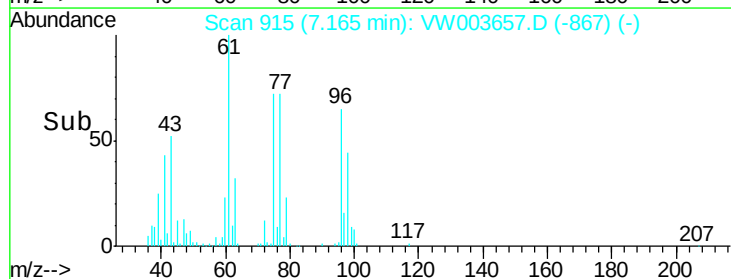
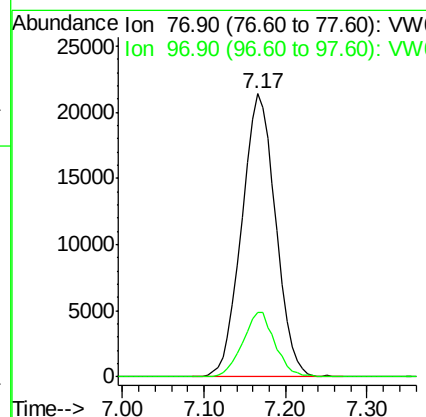
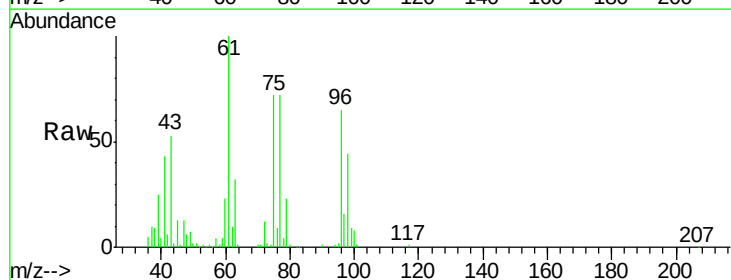
Instrument :
MSVOA_W
ClientSampled :

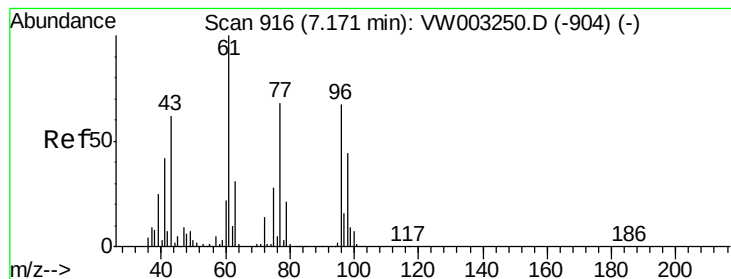
Tot Ion: 43 Resp: 77947
Ion Ratio Lower Upper
43 100
72 21.7 20.3 30.5



#26
2,2-Dichloropropane
Concen: 22.518 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 77 Resp: 61702
Ion Ratio Lower Upper
77 100
97 21.8 11.3 33.9



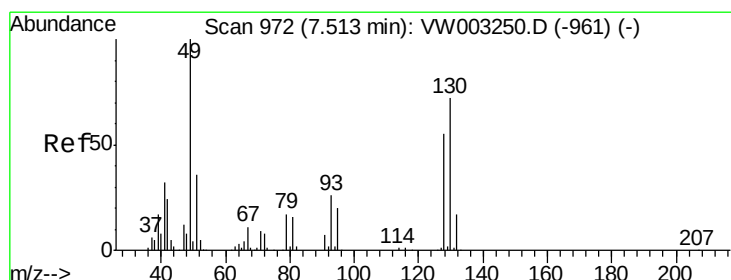
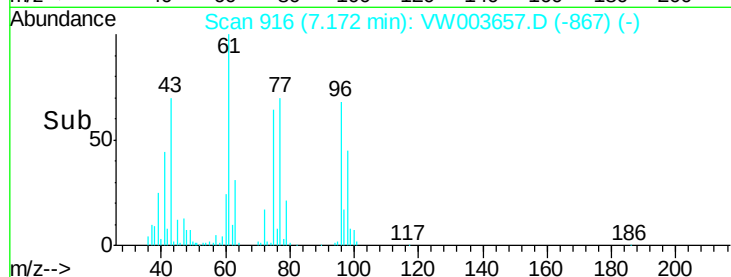
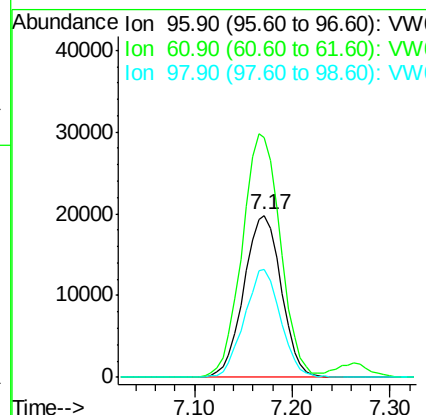
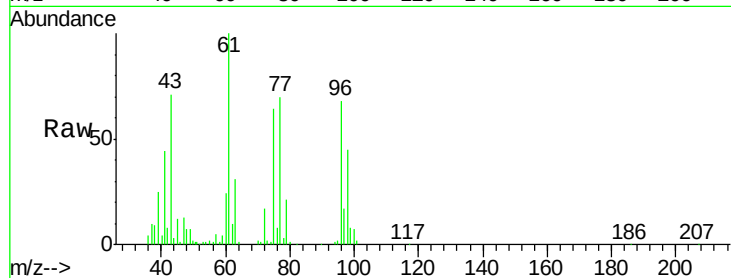


#27

cis-1,2-Dichloroethene
Concen: 22.141 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampleId :

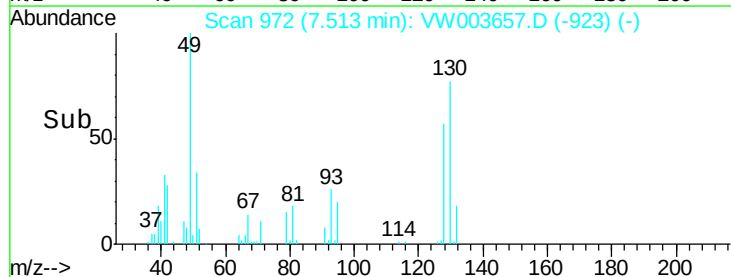
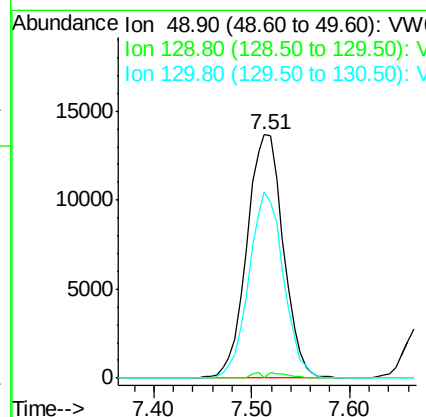
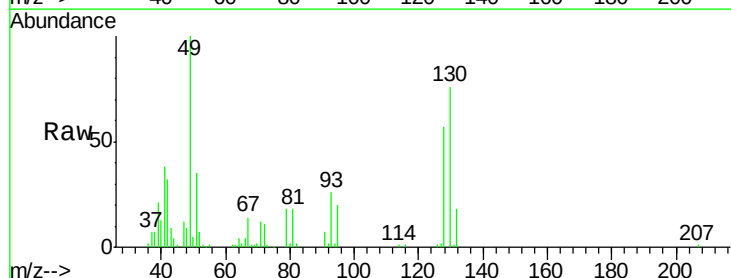
Tot Ion	96	Resp	52514
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	298.8
98	64.6	0.0	130.4

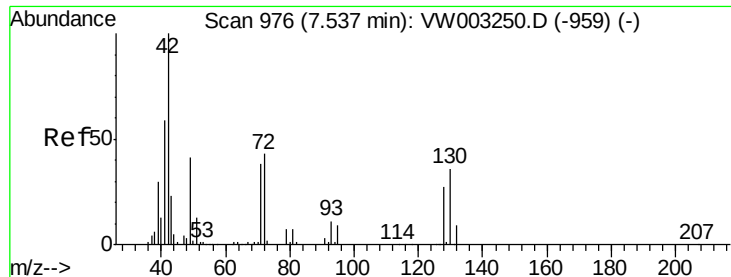


#28

Bromochloromethane
Concen: 20.673 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion	49	Resp	35320
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	72.5	59.4	89.2

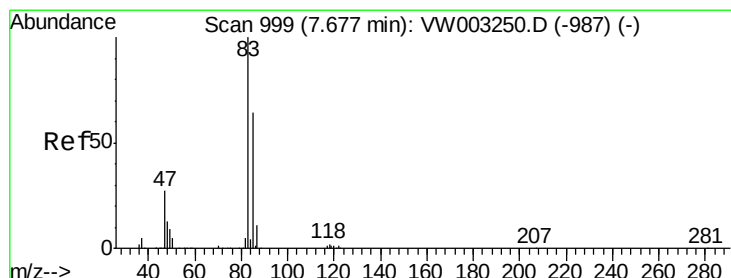
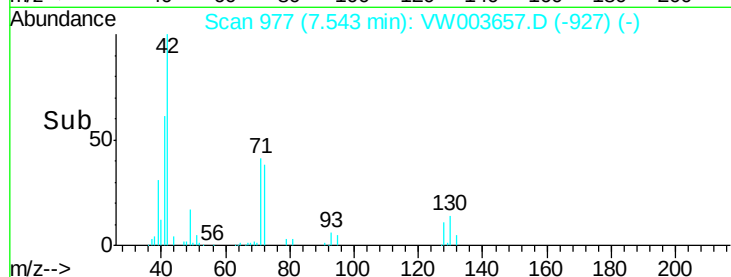
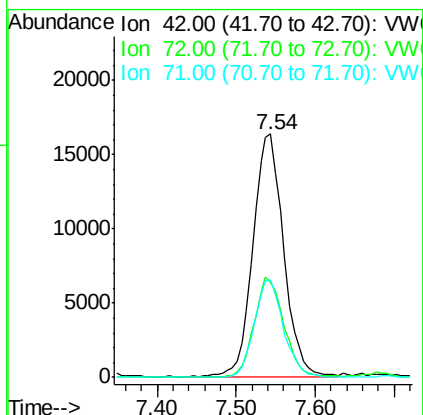
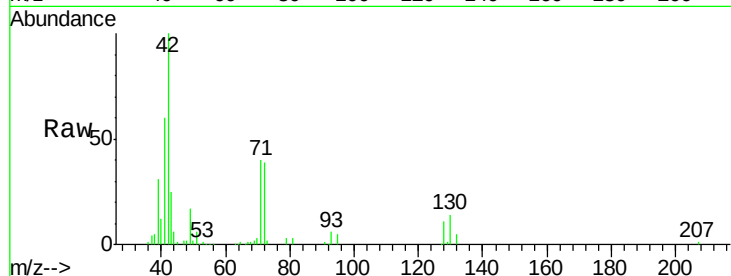




#29
Tetrahydrofuran
Concen: 118.102 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

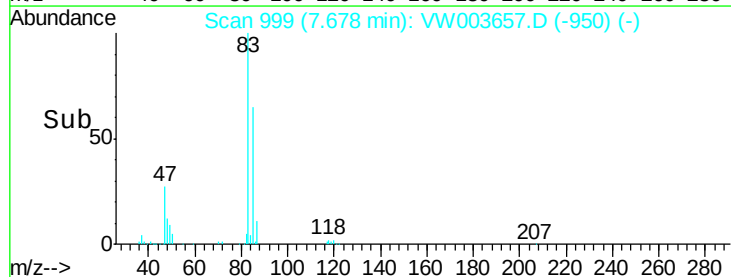
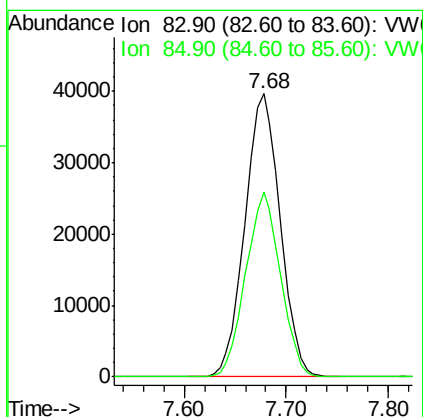
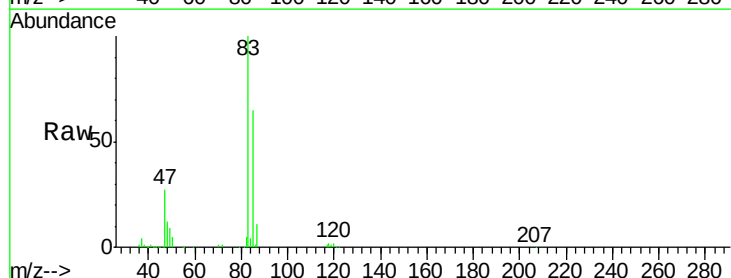
Instrument :
MSVOA_W
ClientSampled :

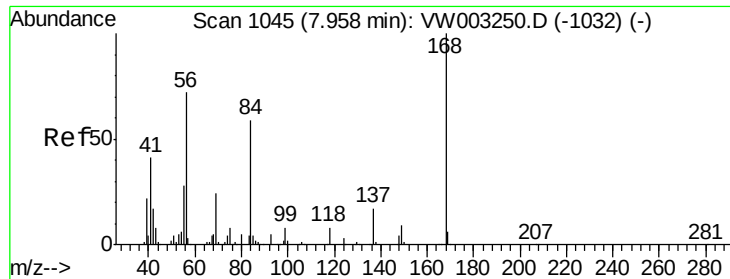
Tot Ion: 42 Resp: 44683
Ion Ratio Lower Upper
42 100
72 39.7 32.4 48.6
71 37.8 31.2 46.8



#30
Chloroform
Concen: 22.831 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 83 Resp: 95497
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9

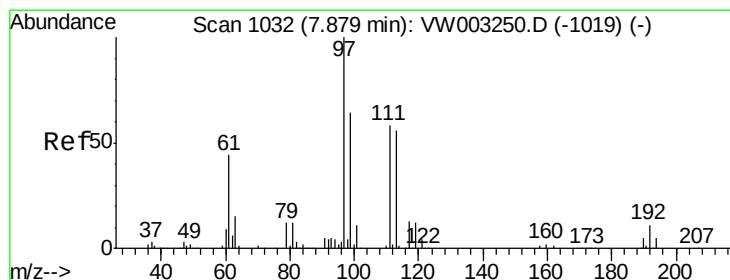
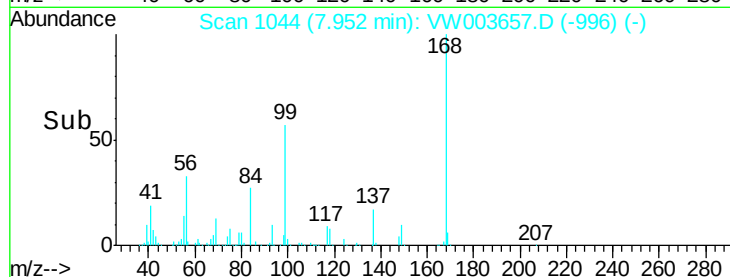
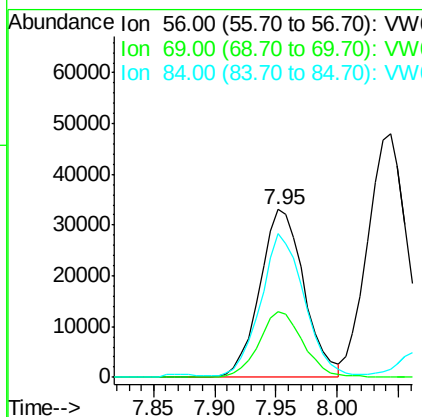
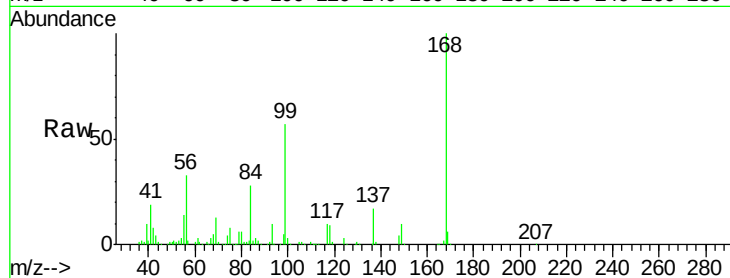




#31
Cyclohexane
Concen: 21.805 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

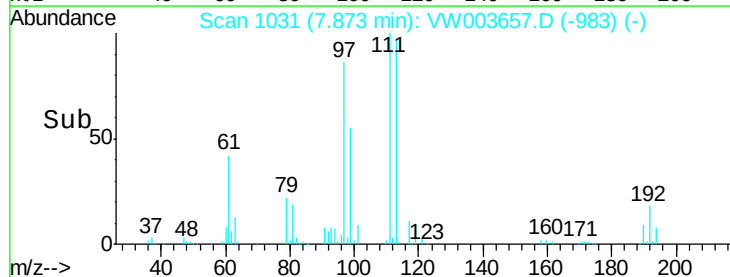
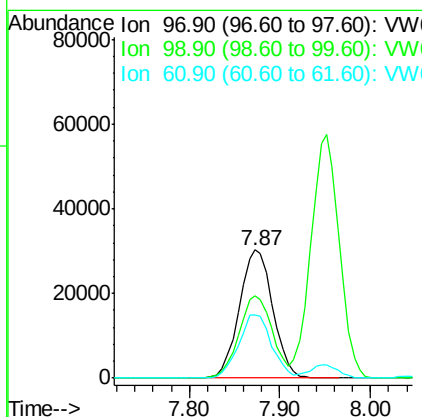
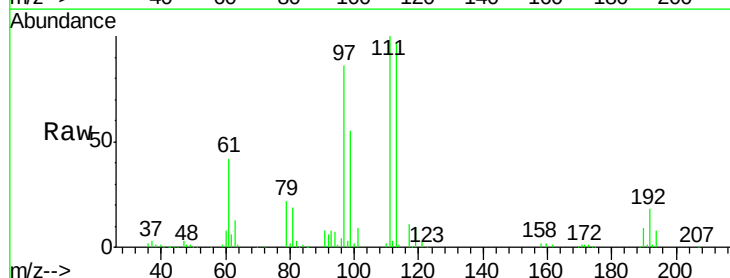
Instrument :
MSVOA_W
ClientSampled :

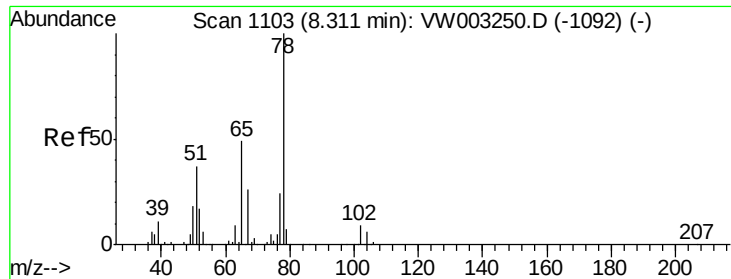
Tot Ion: 56 Resp: 83636
Ion Ratio Lower Upper
56 100
69 38.9 26.3 39.5
84 84.3 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 22.428 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 97 Resp: 77434
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 48.5 37.6 56.4

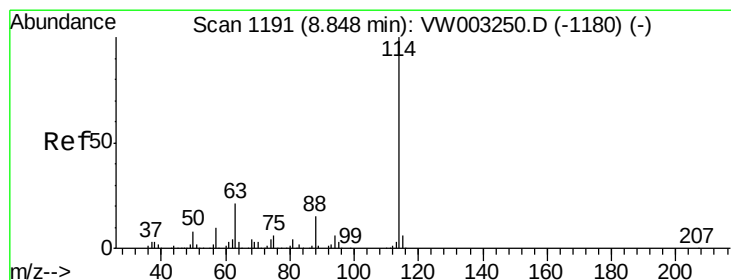
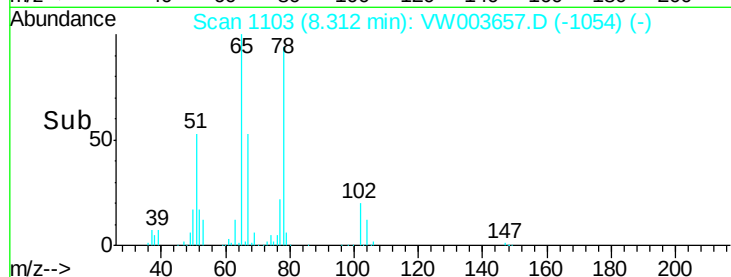
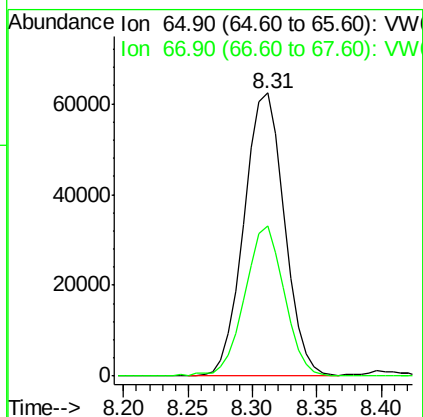
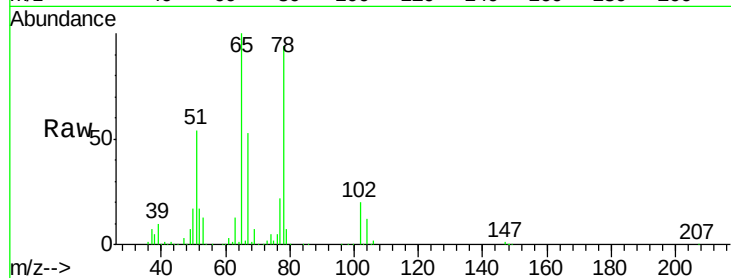




#33
 1,2-Dichloroethane-d4
 Concen: 57.103 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

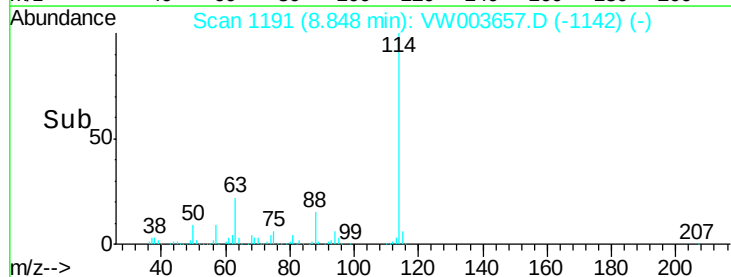
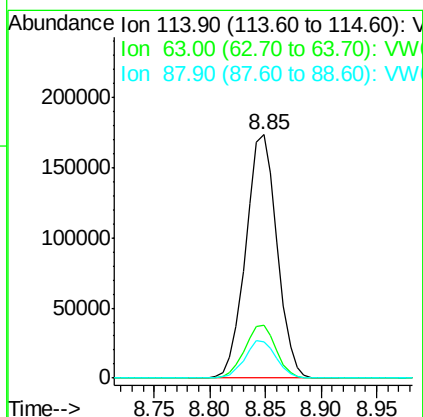
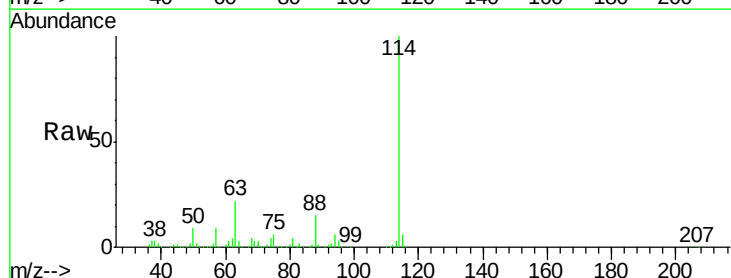
Instrument :
 MSVOA_W
 ClientSampleId :

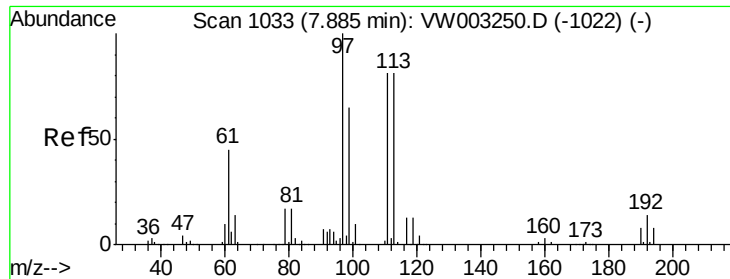
Tot Ion: 65 Resp: 135546
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 114 Resp: 339913
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.0 0.0 29.6

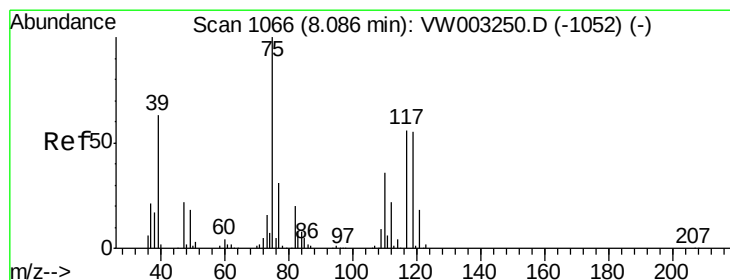
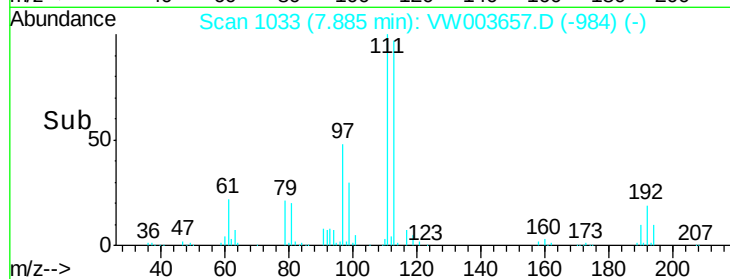
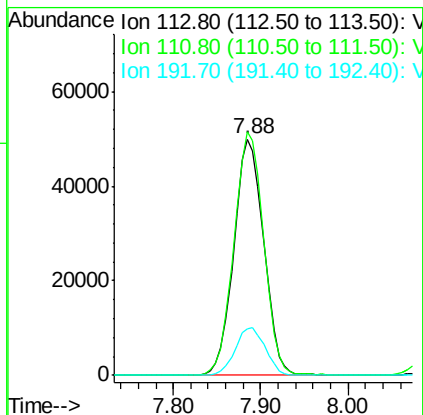
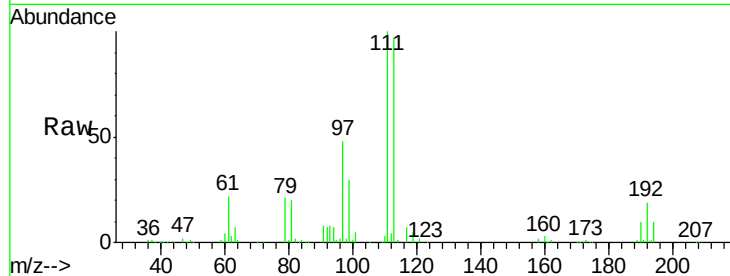




#35
 Dibromofluoromethane
 Concen: 56.089 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

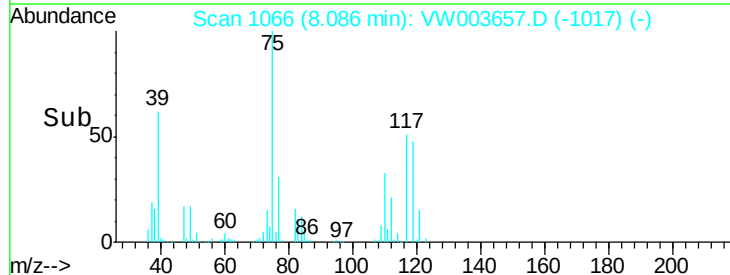
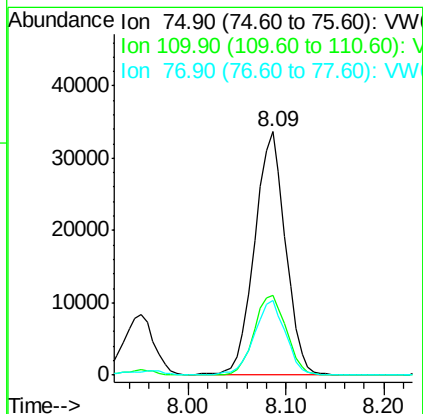
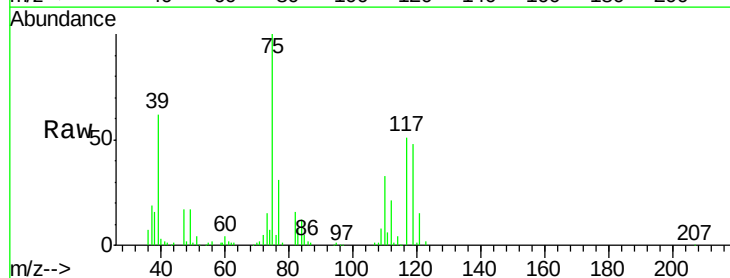
Instrument :
 MSVOA_W
 ClientSampleId :

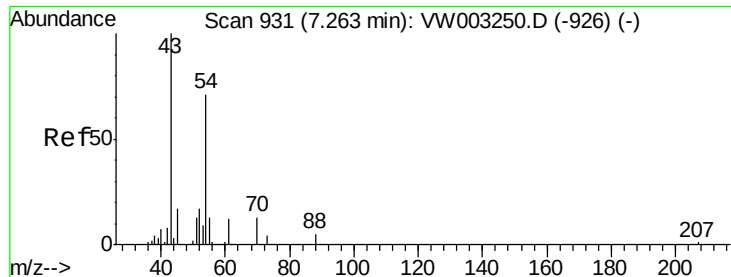
Tot Ion:113 Resp: 118466
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 22.588 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 75 Resp: 74148
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.1 51.3
 77 31.0 24.9 37.3

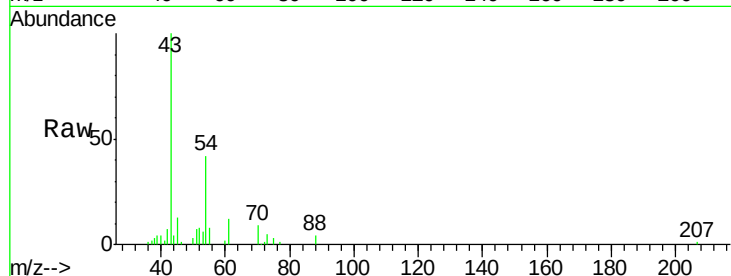




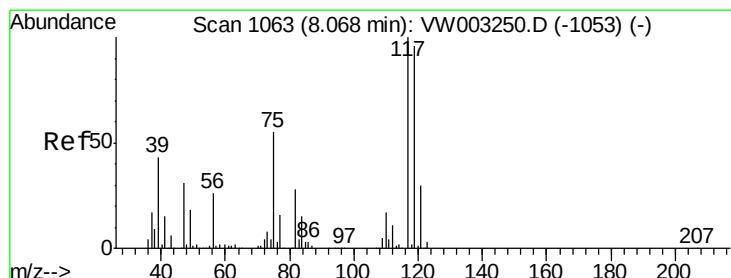
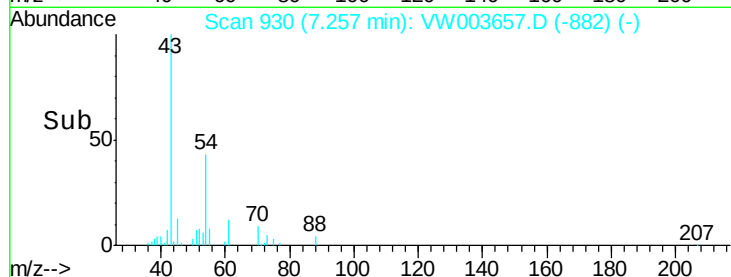
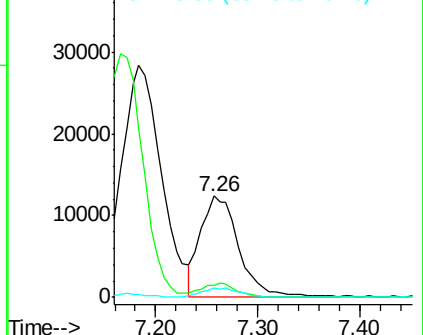
#37
Ethyl Acetate
Concen: 23.188 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 31534
Ion Ratio Lower Upper
43 100
61 13.0 10.8 16.2
70 9.1 7.8 11.6

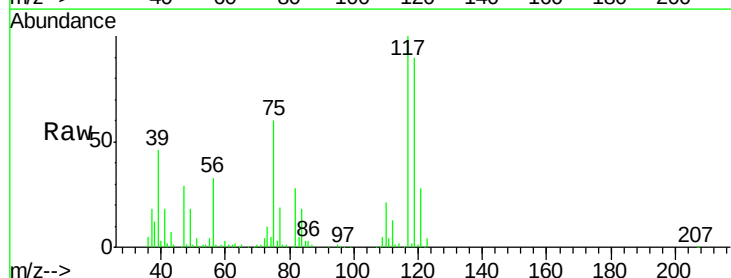


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

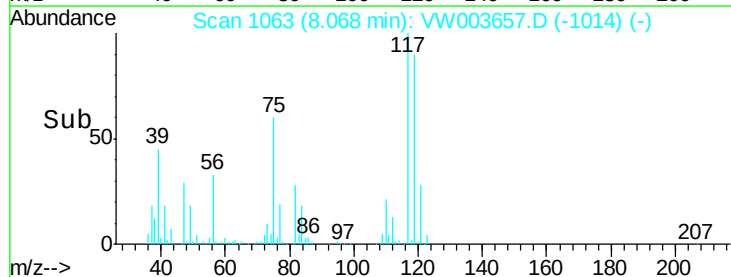
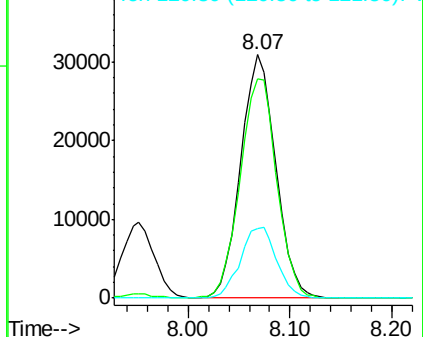


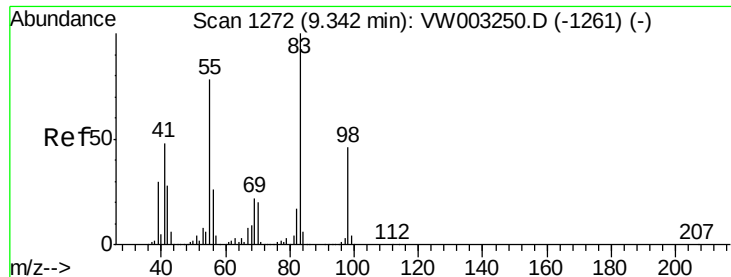
#38
Carbon Tetrachloride
Concen: 22.992 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 117 Resp: 74034
Ion Ratio Lower Upper
117 100
119 90.3 76.6 115.0
121 28.3 23.9 35.9



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

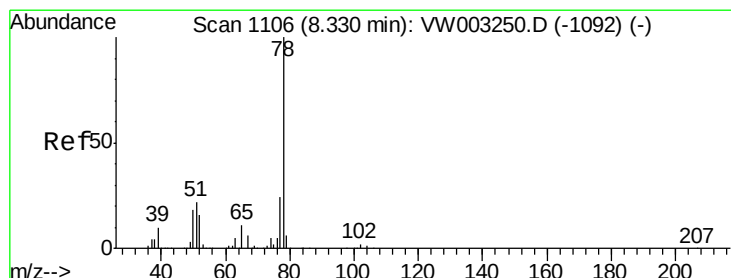
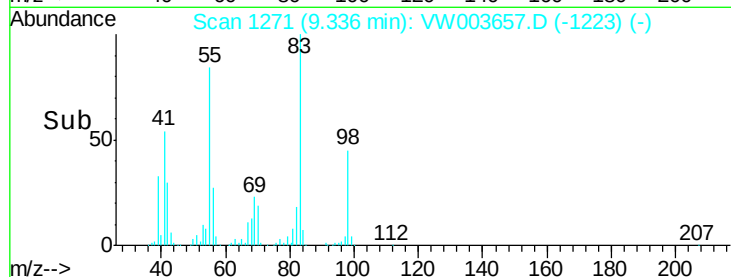
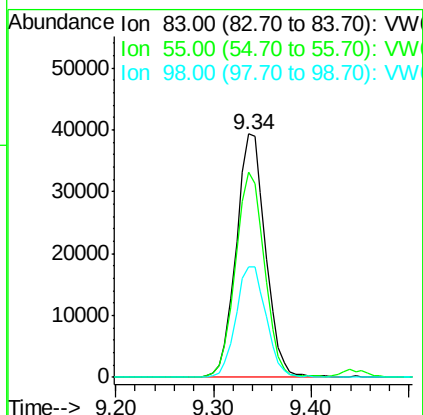
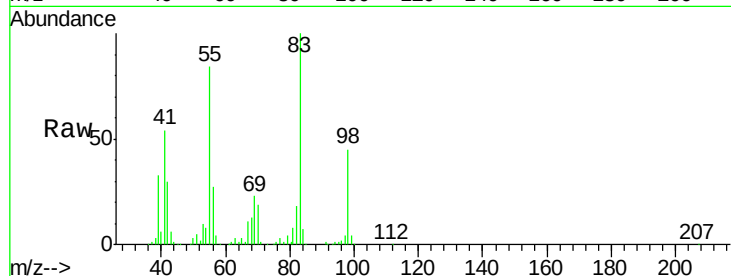




#39
Methylvlcyclohexane
Concen: 21.616 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

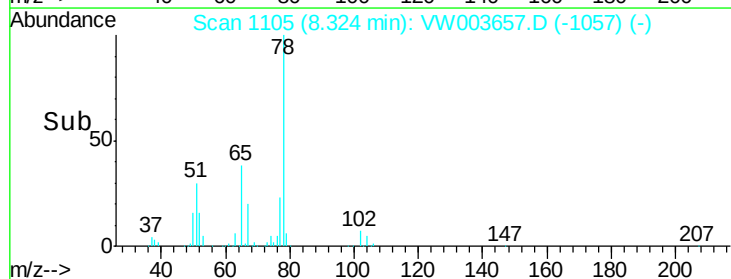
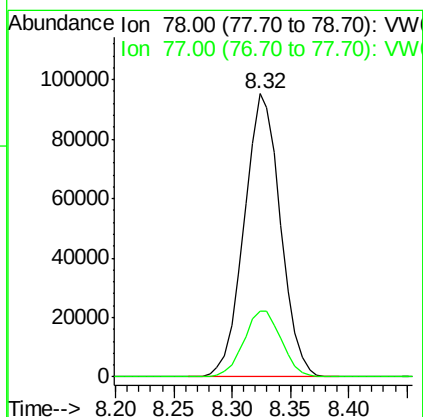
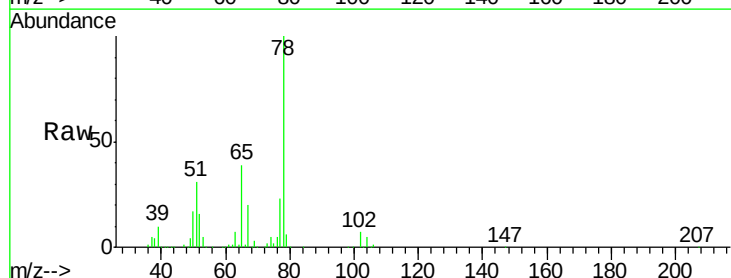
Instrument :
MSVOA_W
ClientSampled :

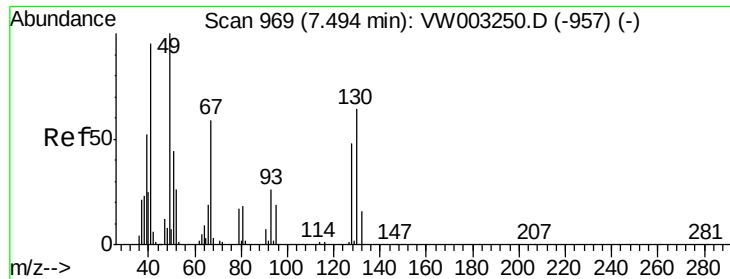
Tot Ion: 83 Resp: 82104
Ion Ratio Lower Upper
83 100
55 84.5 62.6 93.8
98 45.3 37.0 55.4



#40
Benzene
Concen: 22.920 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 78 Resp: 207392
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

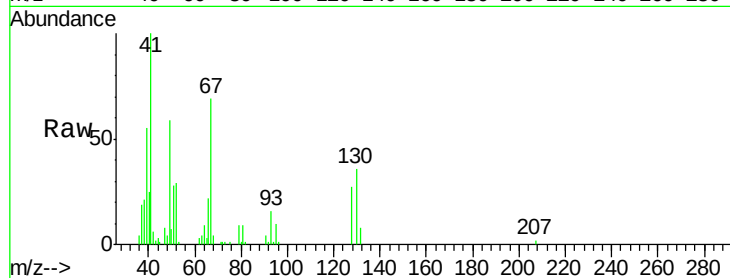




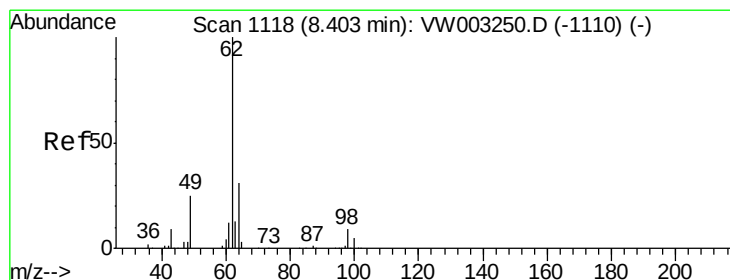
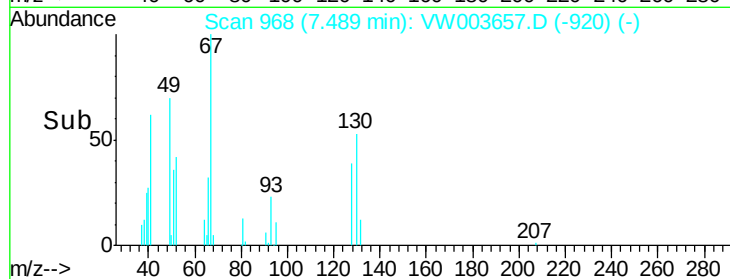
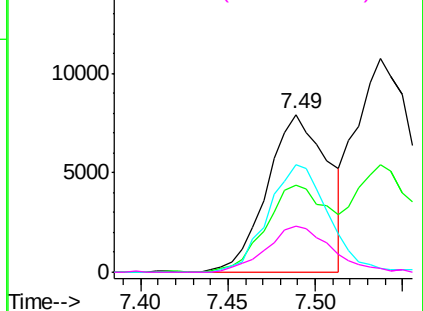
#41
Methacrylonitrile
Concen: 23.204 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	19364
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.8	68.8
67	67.6	52.3	78.5
52	30.7	24.1	36.1

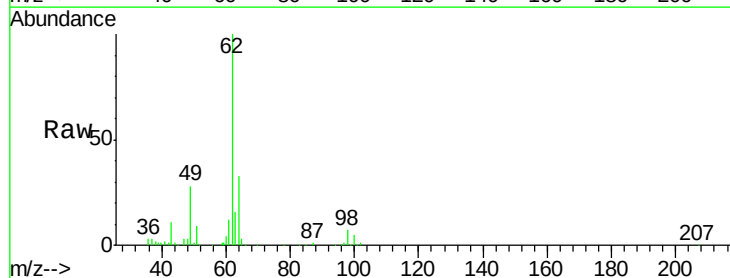


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

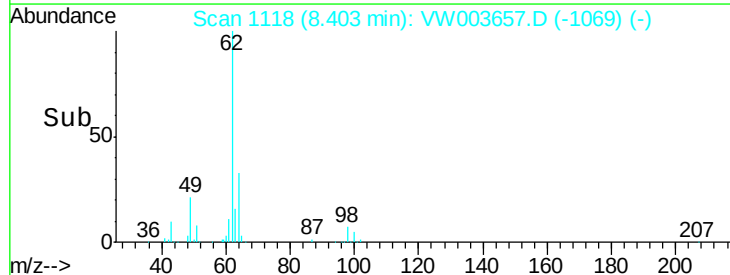
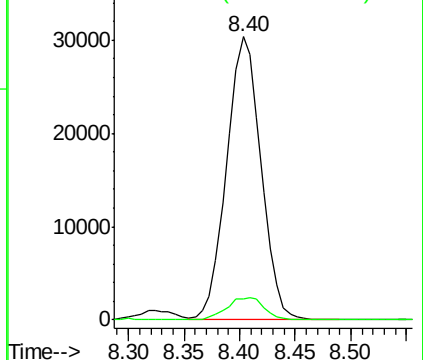


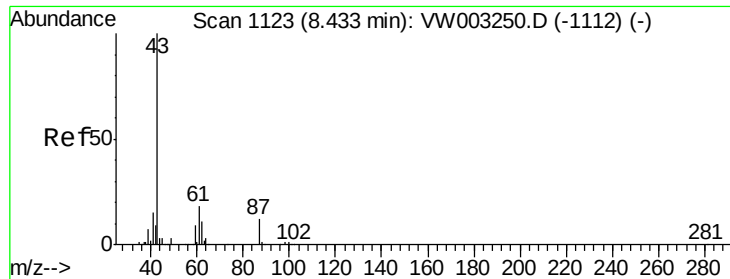
#42
1,2-Dichloroethane
Concen: 22.882 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion:	62	Resp:	64868
Ion	Ratio	Lower	Upper
62	100		
98	8.5	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: 23.179 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

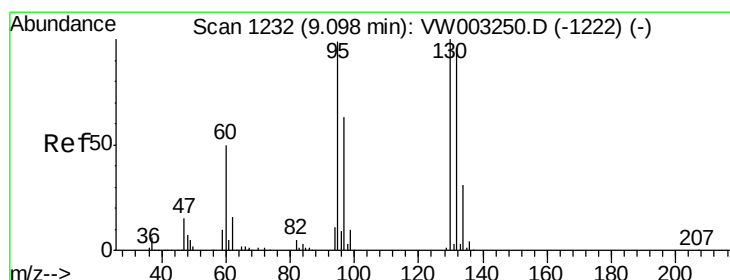
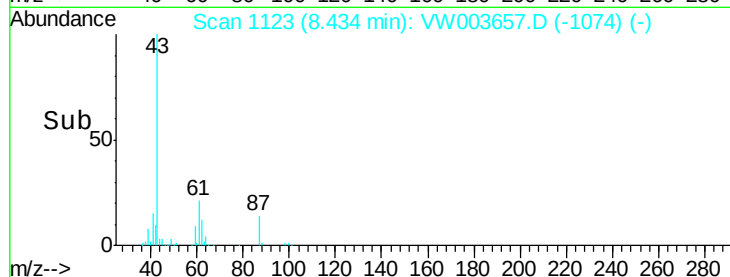
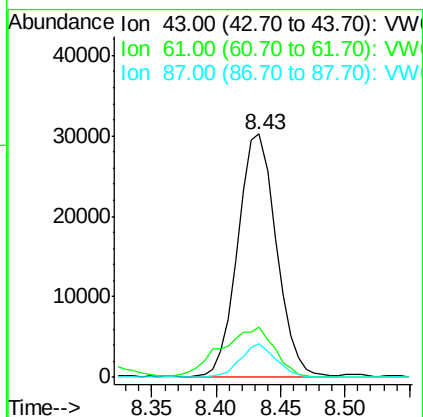
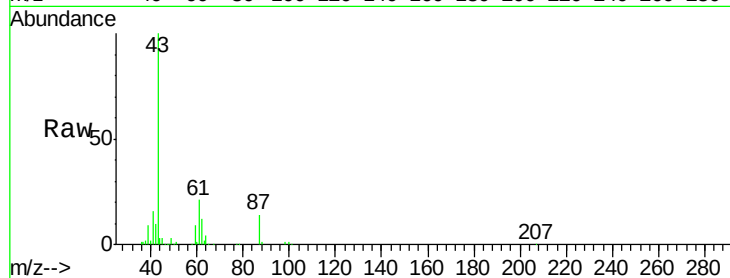
Tot Ion: 43 Resp: 62590

Ion Ratio Lower Upper

43 100

61 29.0 23.1 34.7

87 12.5 9.8 14.6



#44

Trichloroethene

Concen: 22.392 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003657.D

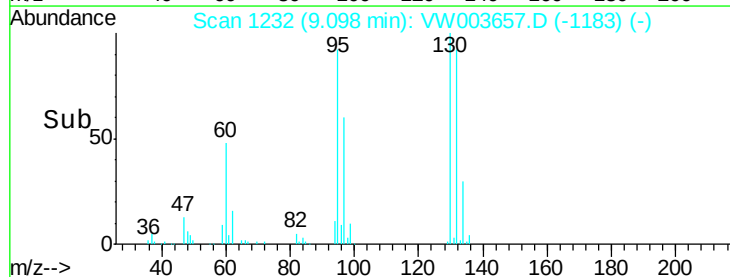
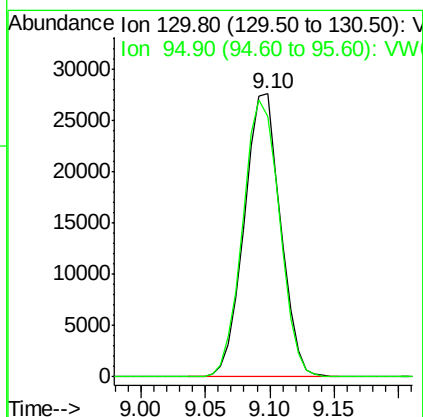
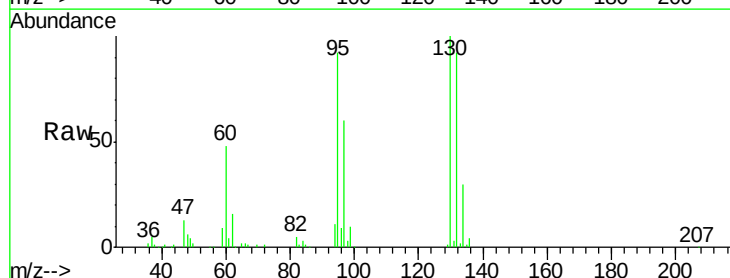
Acq: 29 Jun 2018 13:49

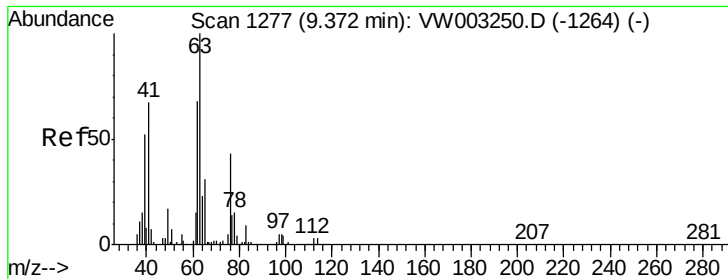
Tgt Ion: 130 Resp: 53688

Ion Ratio Lower Upper

130 100

95 92.0 0.0 198.0

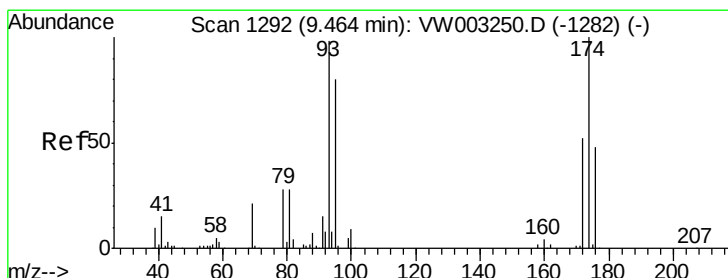
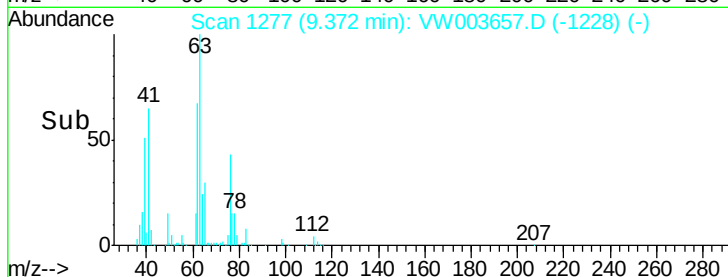
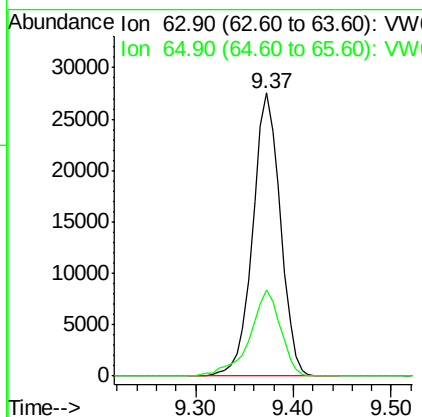
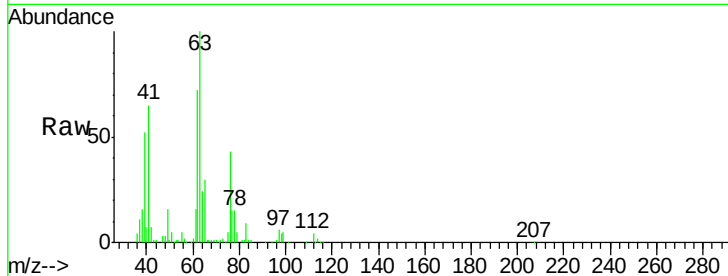




#45
 1,2-Dichloropropane
 Concen: 23.409 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

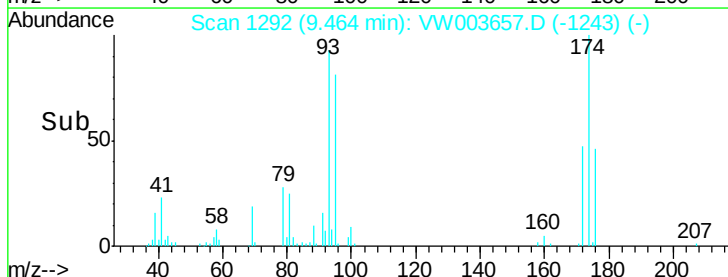
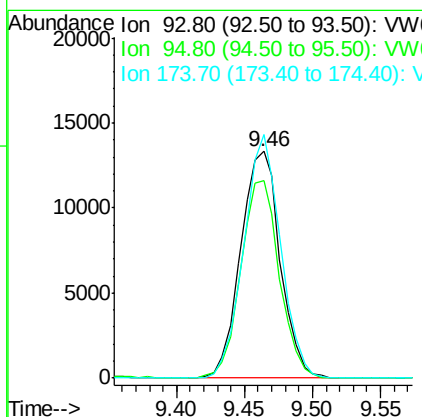
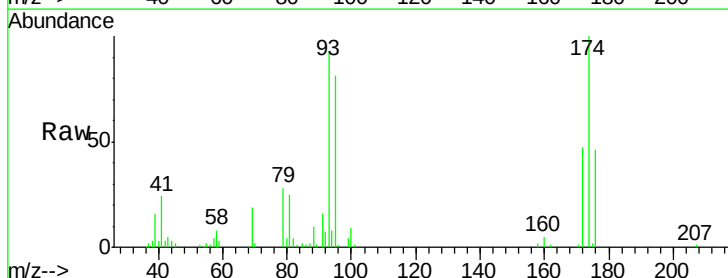
Instrument :
 MSVOA_W
 ClientSampled :

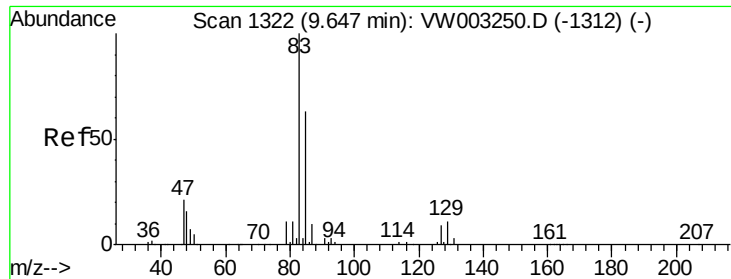
Tot Ion: 63 Resp: 53932
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.1 37.7



#46
 Dibromomethane
 Concen: 22.906 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 93 Resp: 27018
 Ion Ratio Lower Upper
 93 100
 95 84.9 65.8 98.8
 174 100.3 81.4 122.0

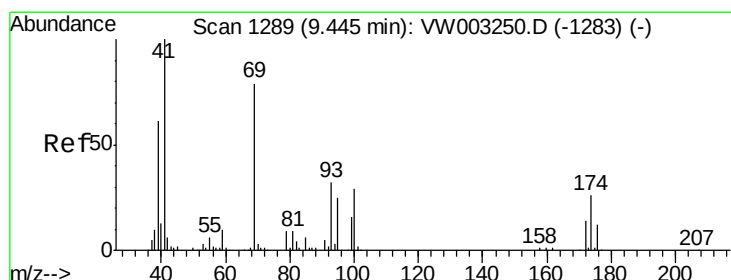
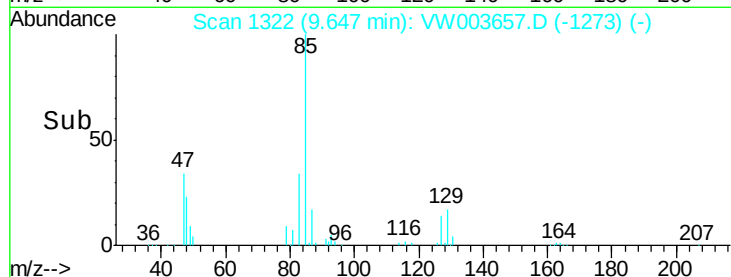
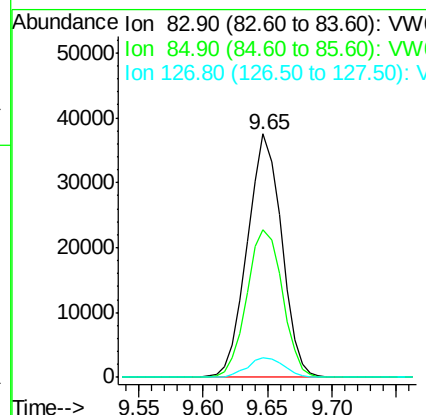
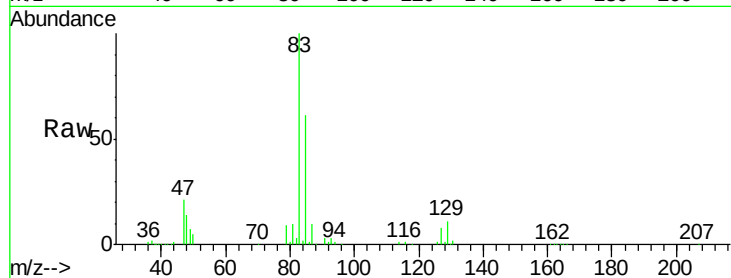




#47
Bromodichloromethane
Concen: 22.826 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

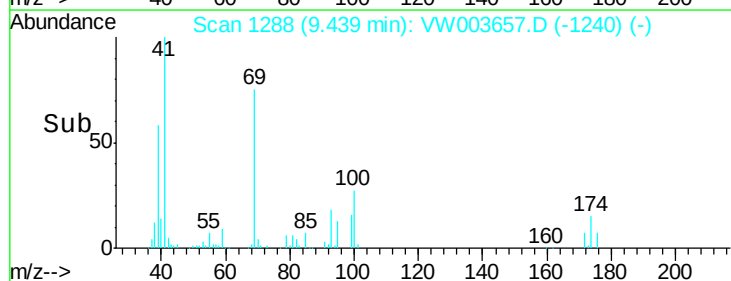
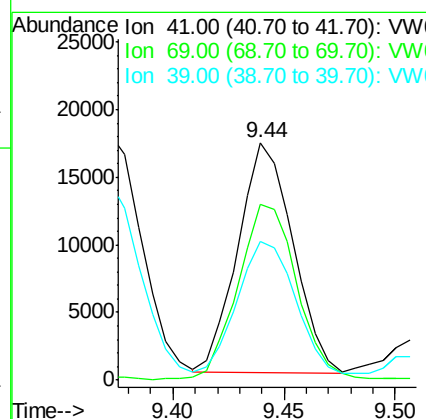
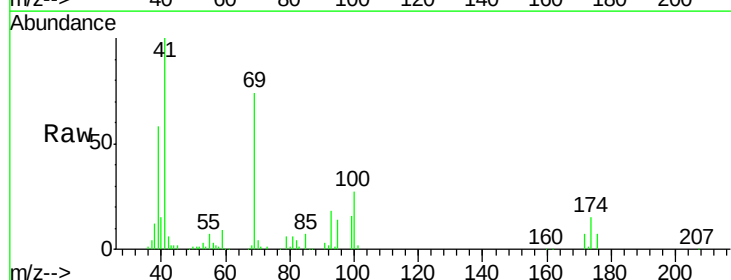
Instrument :
MSVOA_W
ClientSampled :

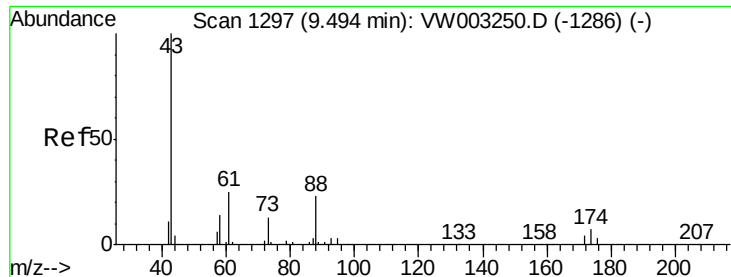
Tot Ion: 83 Resp: 69013
Ion Ratio Lower Upper
83 100
85 60.6 50.6 75.8
127 8.2 6.8 10.2



#48
Methyl methacrylate
Concen: 22.938 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 41 Resp: 29109
Ion Ratio Lower Upper
41 100
69 81.8 65.4 98.2
39 66.9 54.2 81.2

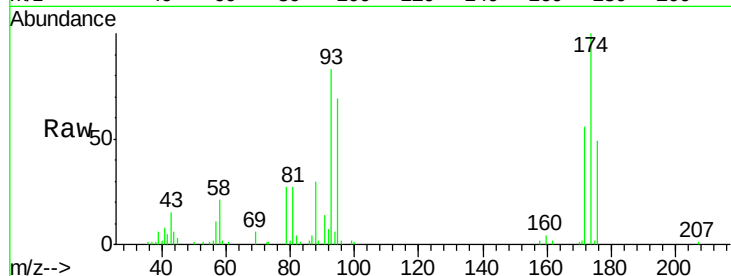




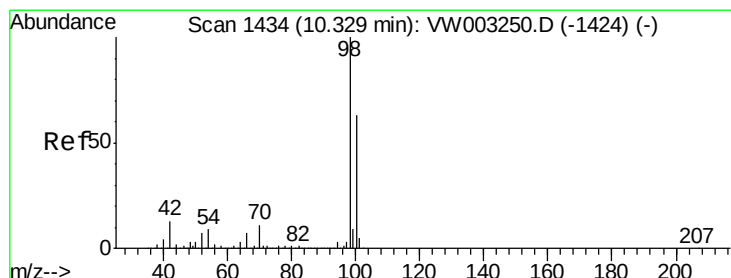
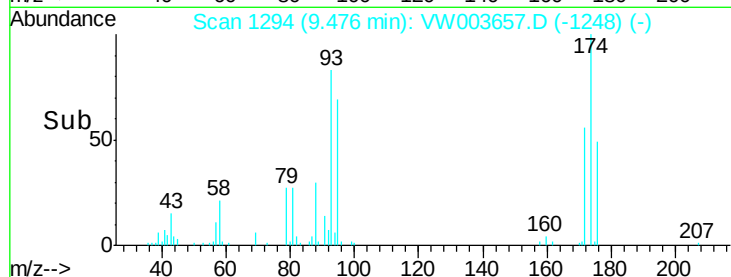
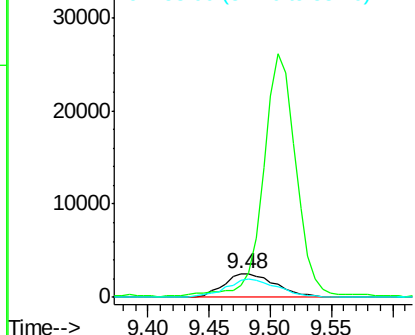
#49
1,4-Dioxane
Concen: 415.787 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7405
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 76.7 58.6 88.0

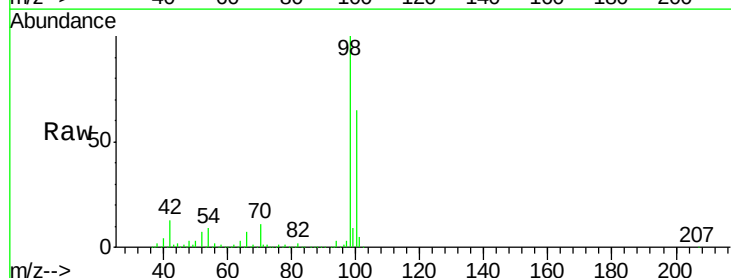


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

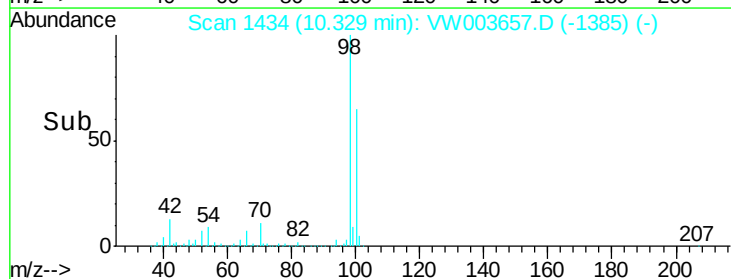
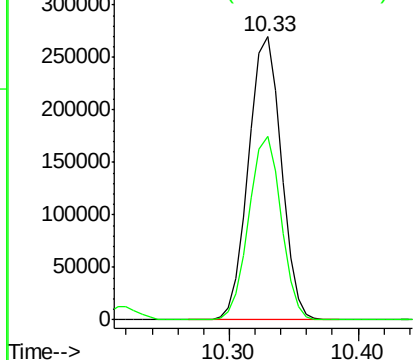


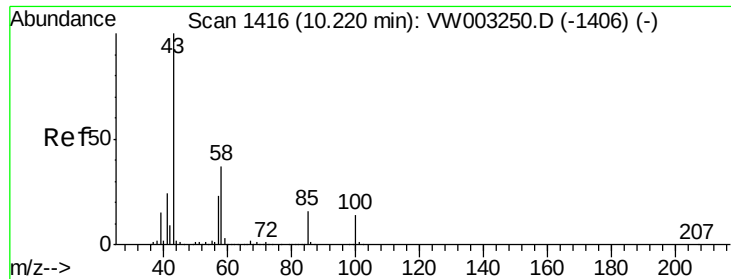
#50
Toluene-d8
Concen: 56.517 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 98 Resp: 473326
Ion Ratio Lower Upper
98 100
100 64.1 50.8 76.2



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

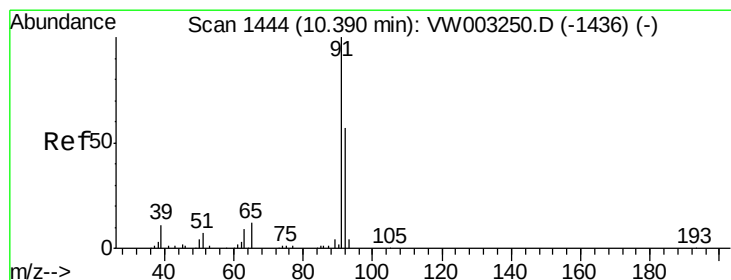
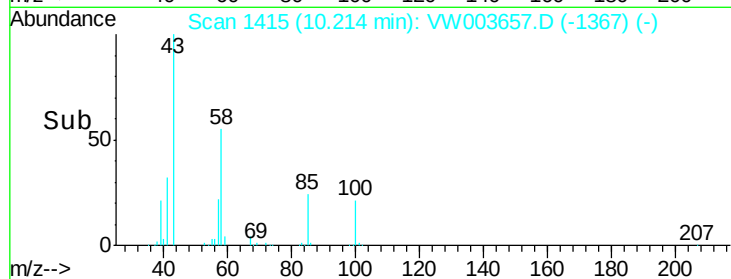
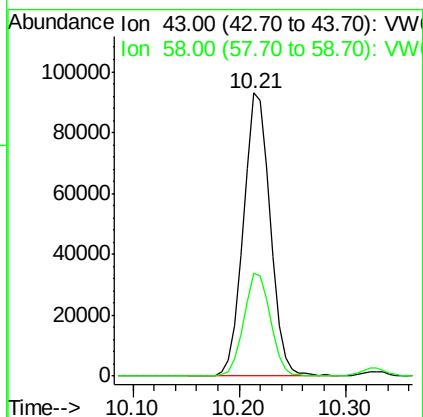
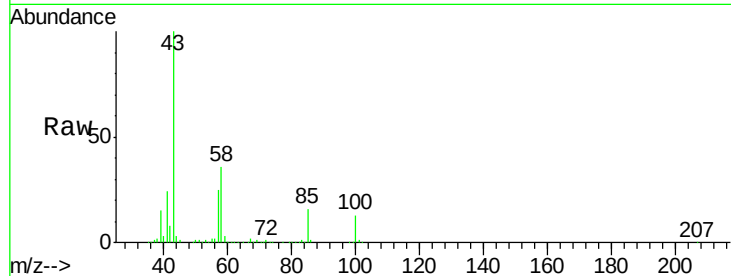




#51
 4-Methyl-2-Pentanone
 Concen: 120.376 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

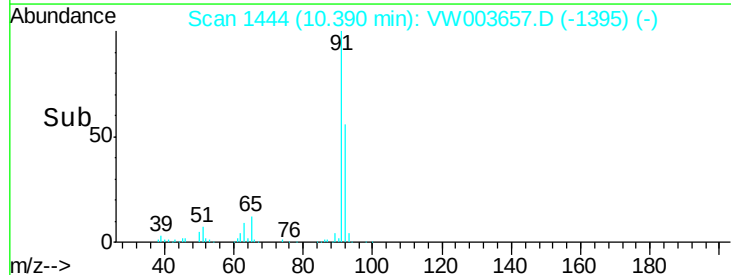
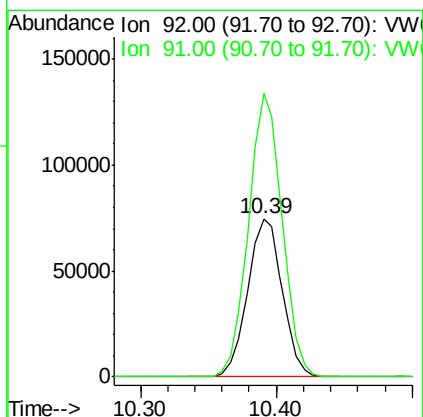
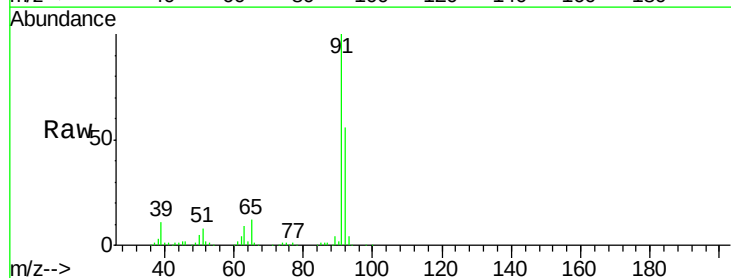
Instrument :
 MSVOA_W
 ClientSampled :

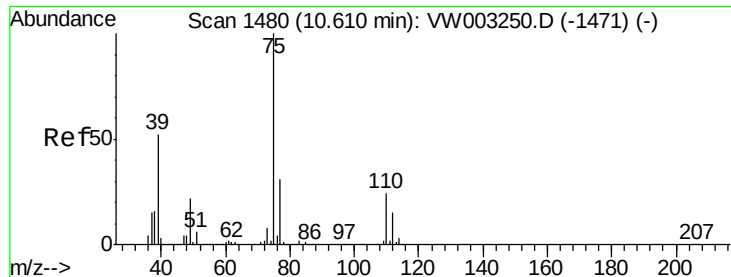
Tot Ion: 43 Resp: 165632
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.4



#52
 Toluene
 Concen: 22.916 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 92 Resp: 132966
 Ion Ratio Lower Upper
 92 100
 91 174.7 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 22.509 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

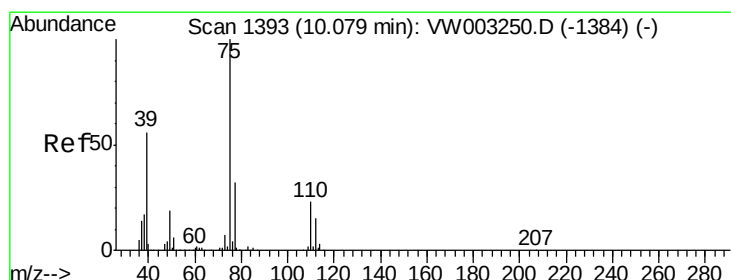
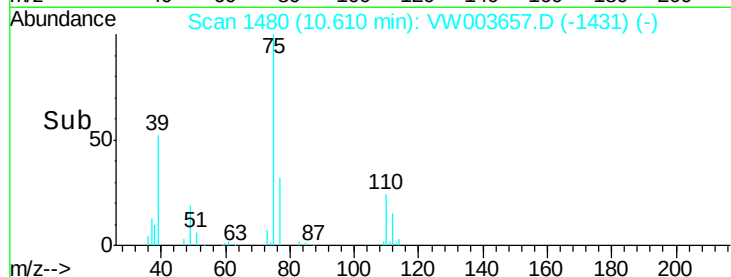
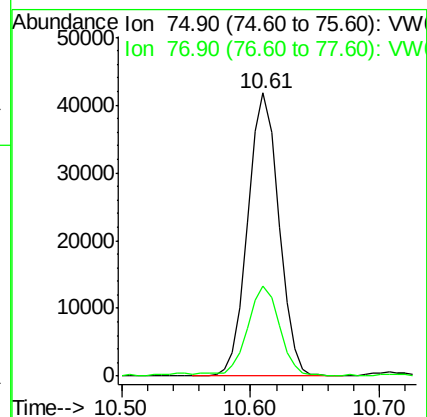
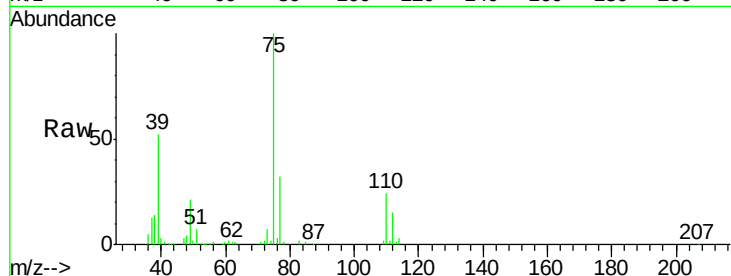
ClientSampleId :

Tot Ion: 75 Resp: 69518

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 22.573 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

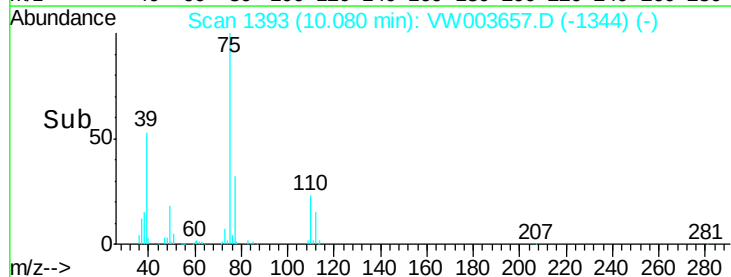
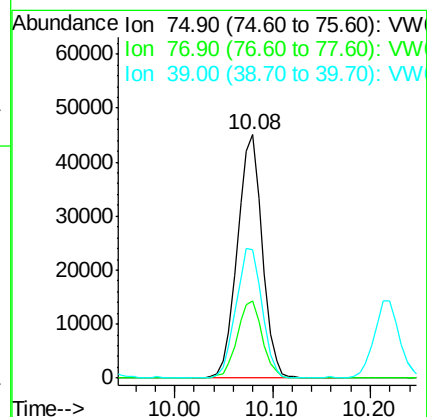
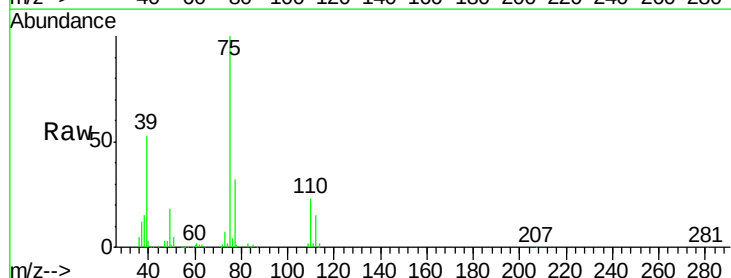
Tgt Ion: 75 Resp: 79349

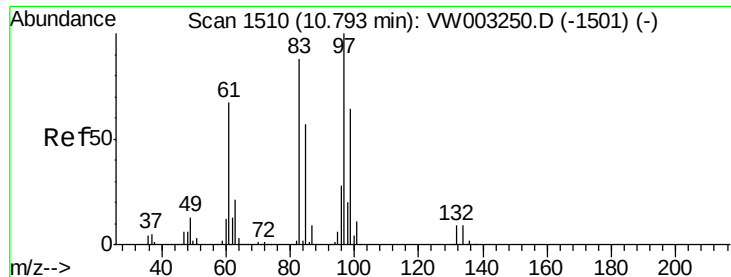
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 52.9 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 23.641 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

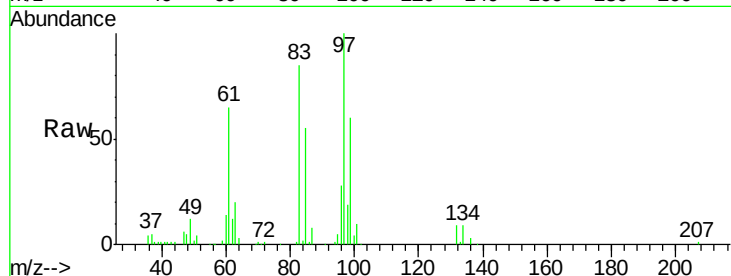
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 39294

Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.2
85	55.0	45.6	68.4
99	60.1	51.2	76.8

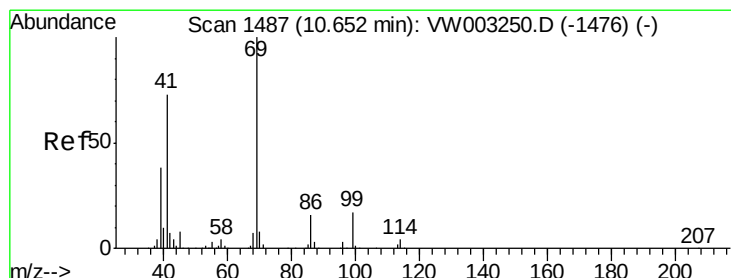
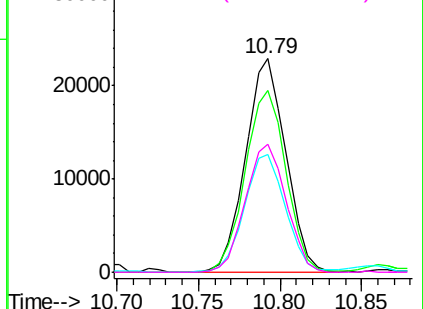
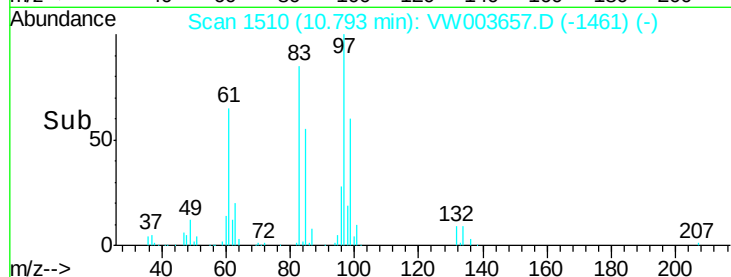


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 22.529 ug/l

RT: 10.65 min Scan# 1487

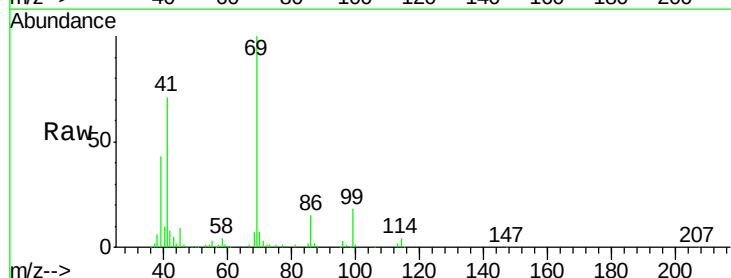
Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Tgt Ion: 69 Resp: 45472

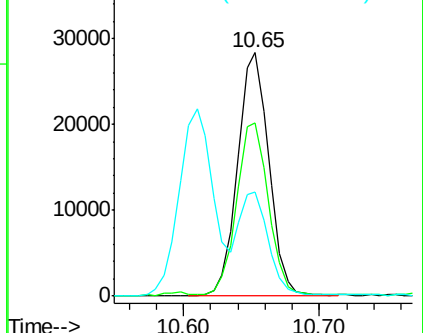
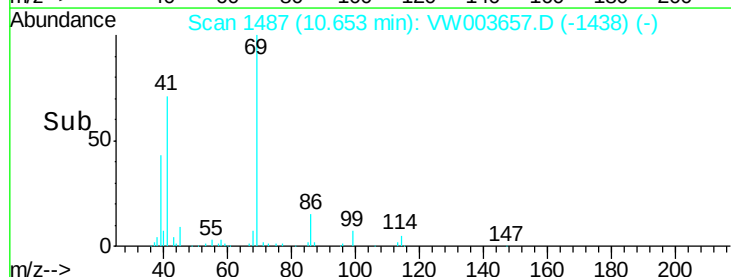
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.8	86.6
39	39.3	32.7	49.1

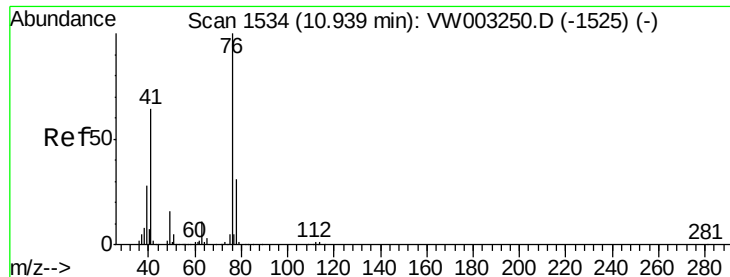


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

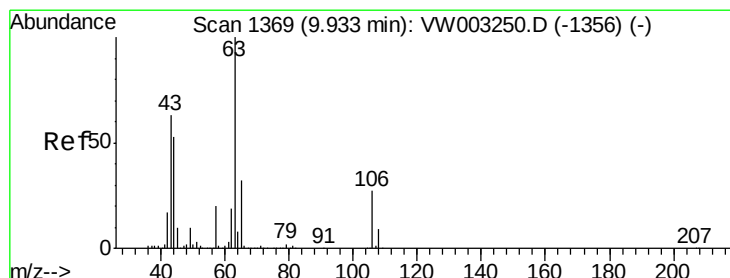
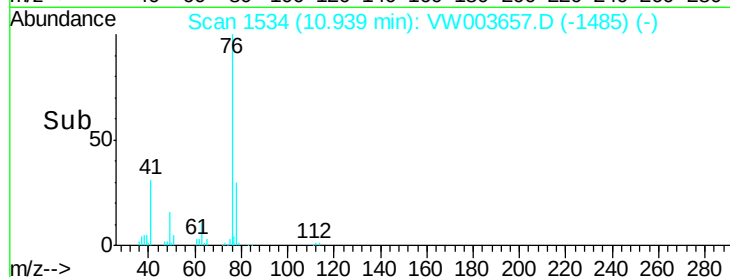
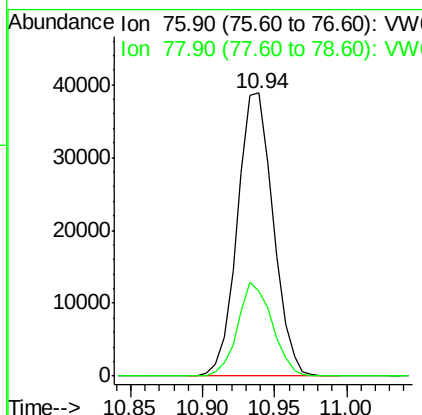
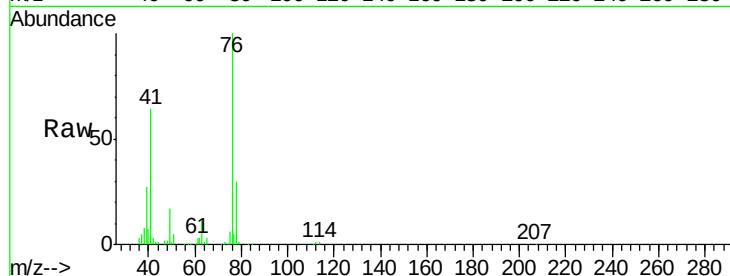




#57
 1,3-Dichloropropane
 Concen: 23.417 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

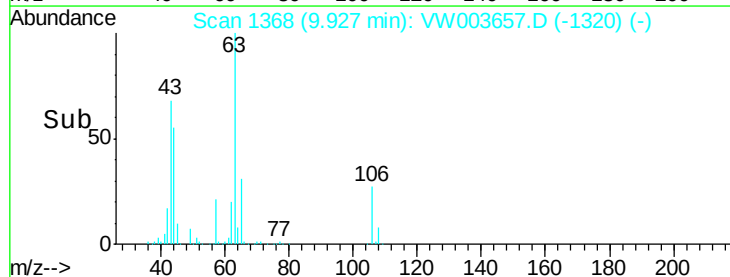
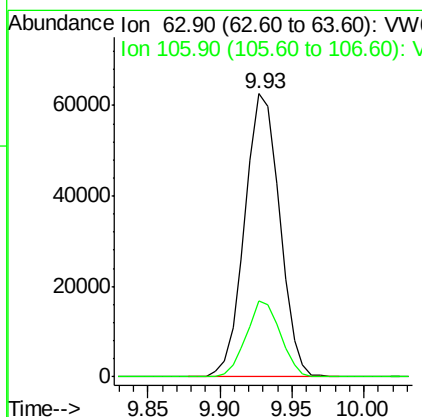
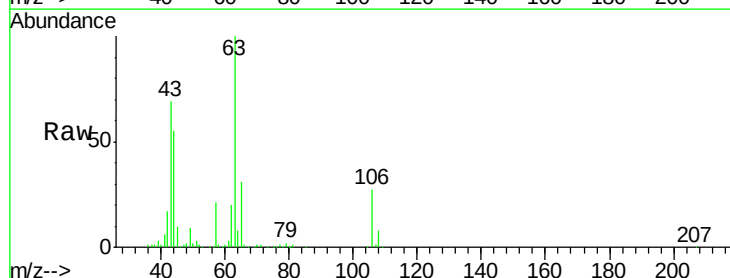
Instrument :
 MSVOA_W
 ClientSampled :

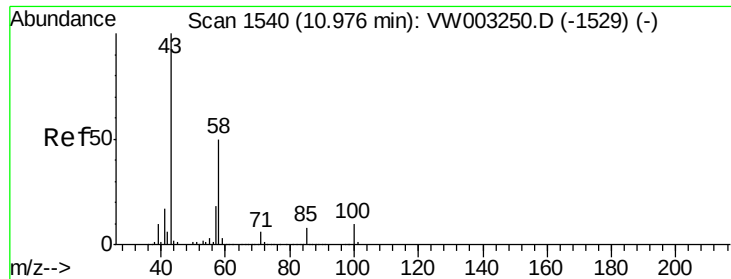
Tot Ion: 76 Resp: 67130
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.537 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 63 Resp: 105442
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.8 32.8

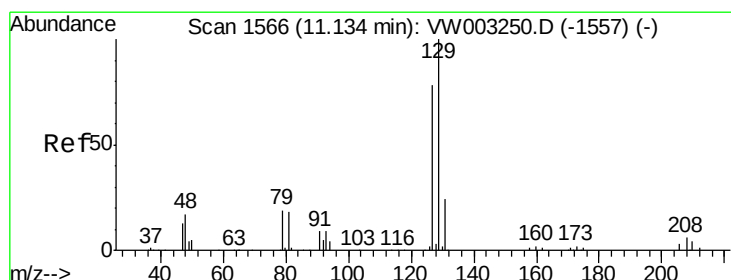
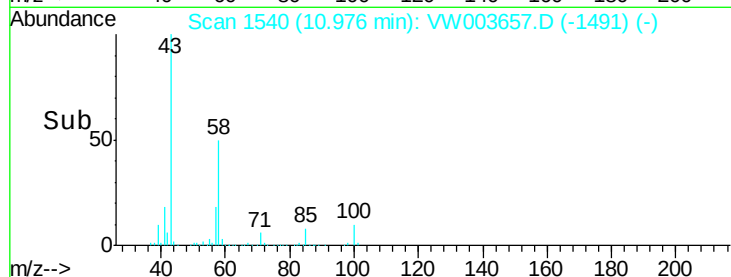
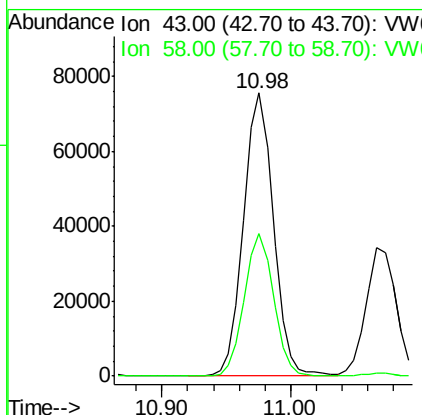
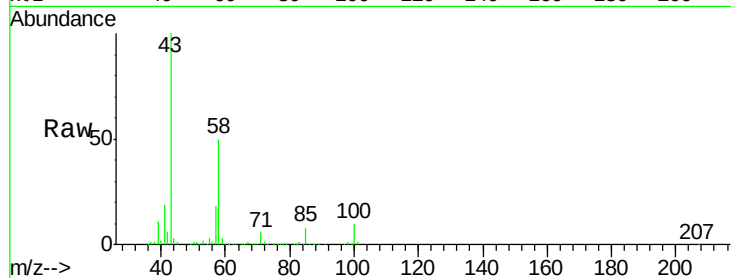




#59
2-Hexanone
Concen: 126.660 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

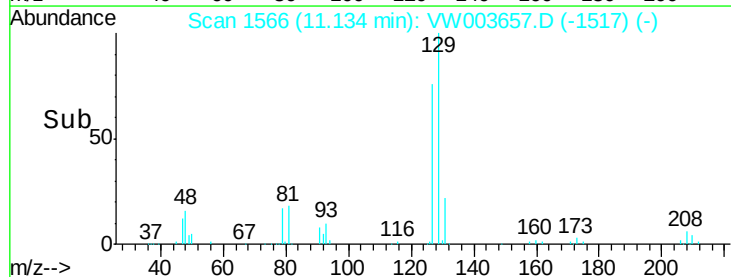
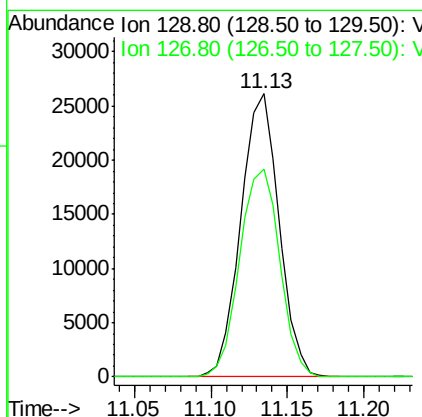
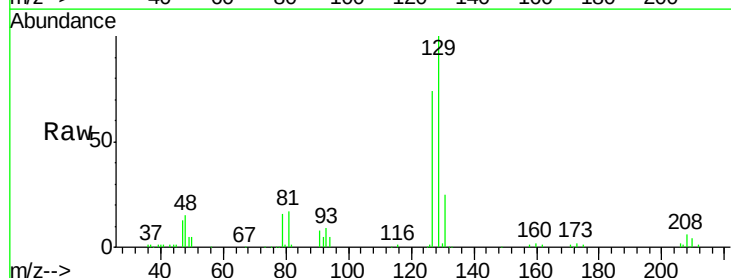
Instrument :
MSVOA_W
ClientSampleId :

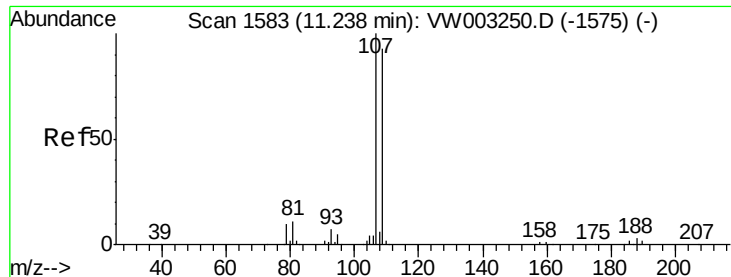
Tot Ion: 43 Resp: 121749
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0



#60
Dibromochloromethane
Concen: 22.985 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion:129 Resp: 45432
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.5

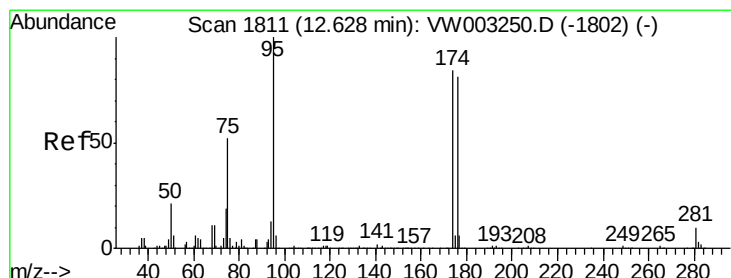
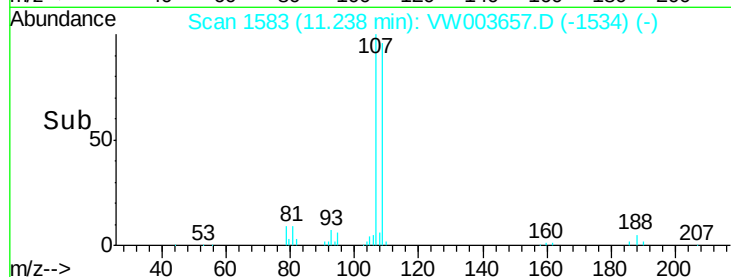
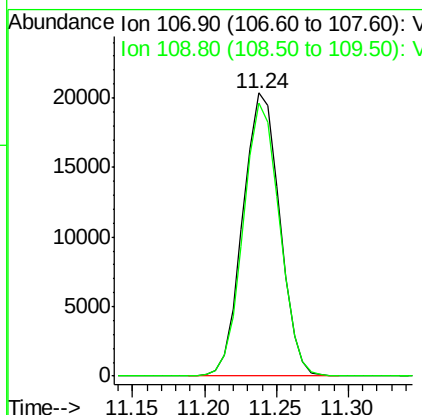
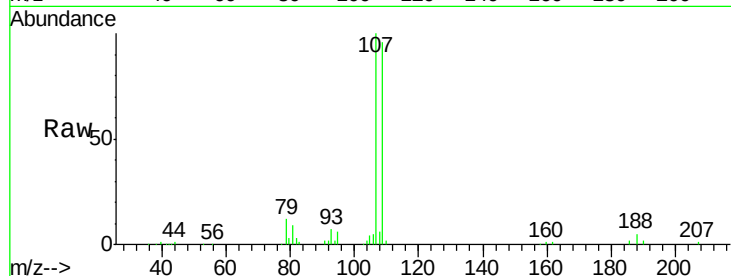




#61
 1,2-Dibromoethane
 Concen: 22.893 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

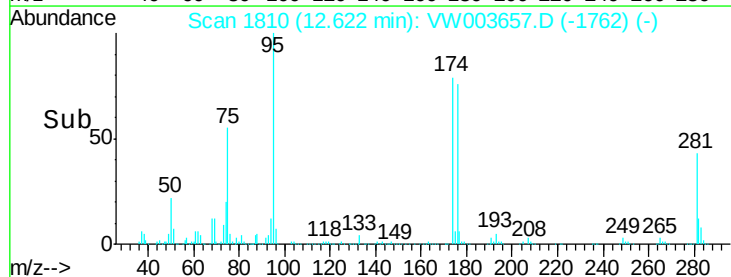
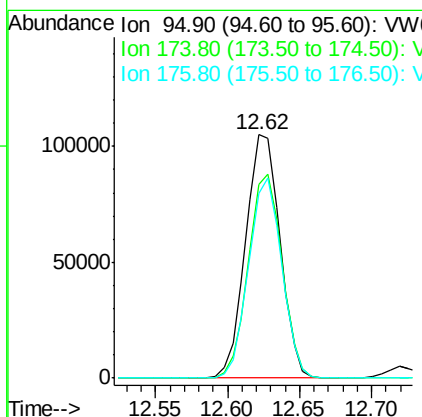
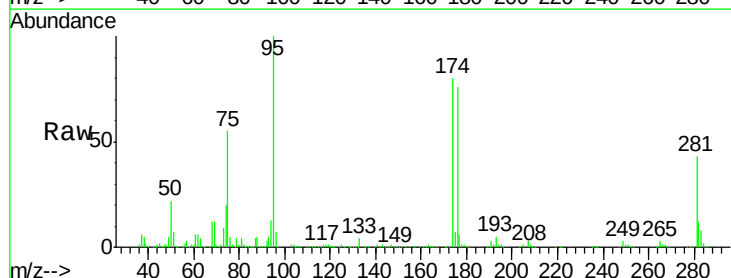
Instrument :
 MSVOA_W
 ClientSampleId :

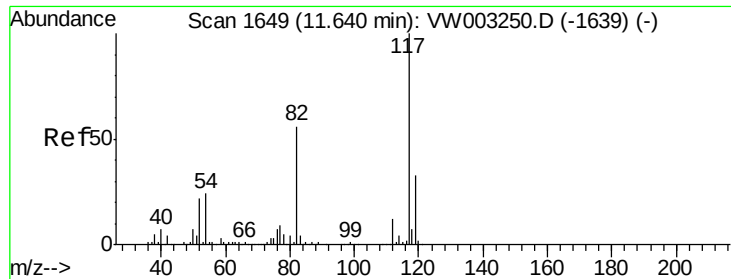
Tot Ion: 107 Resp: 35993
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 58.608 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 95 Resp: 173704
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 166.4
 176 79.0 0.0 162.0

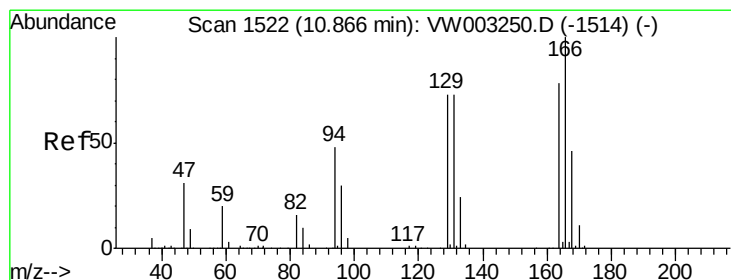
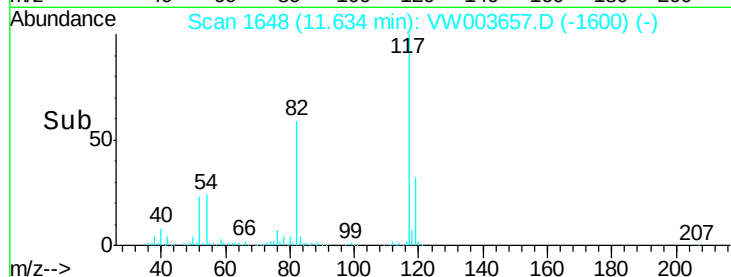
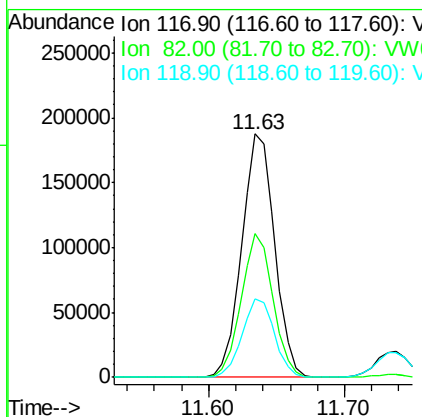
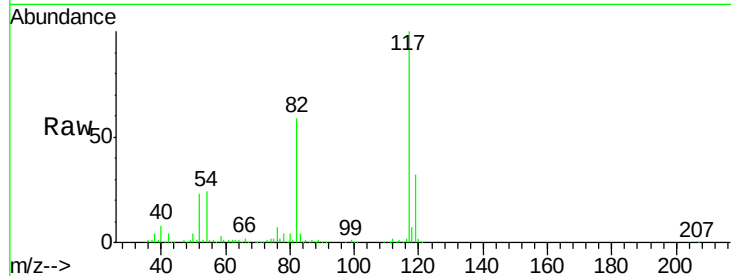




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

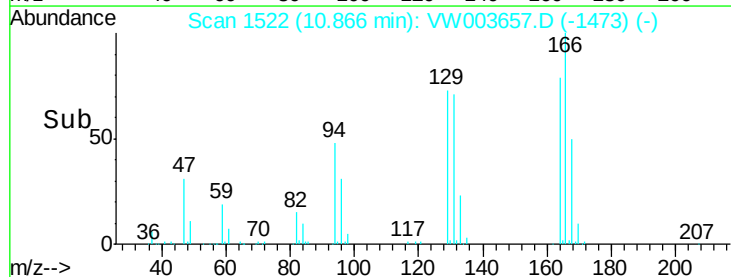
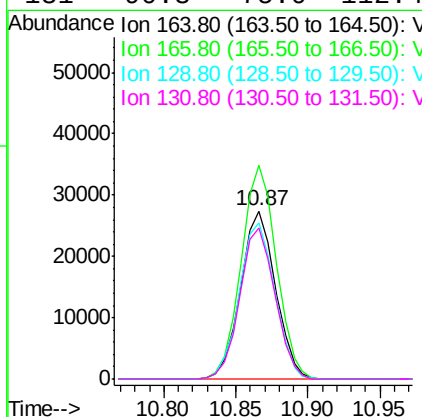
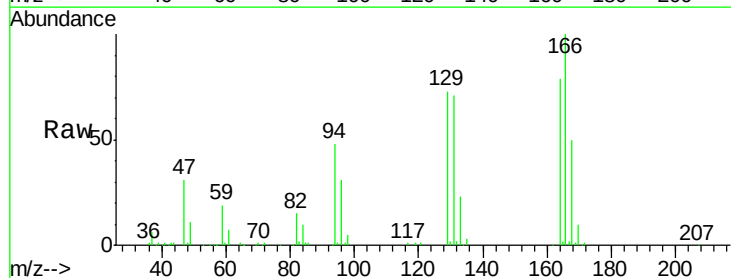
Instrument :
MSVOA_W
ClientSampleId :

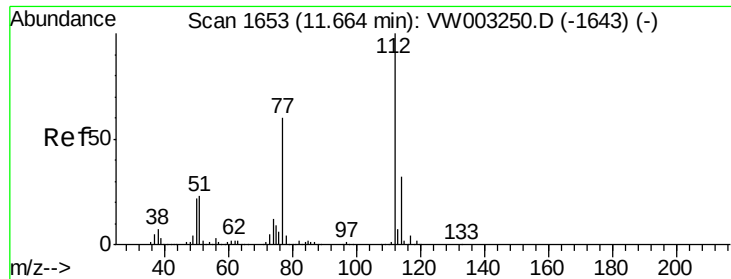
Tot Ion:117 Resp: 315473
Ion Ratio Lower Upper
117 100
82 58.8 44.6 67.0
119 32.1 26.7 40.1



#64
Tetrachloroethene
Concen: 21.834 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion:164 Resp: 46070
Ion Ratio Lower Upper
164 100
166 127.4 102.6 154.0
129 93.0 75.2 112.8
131 90.3 75.0 112.4





#65

Chlorobenzene

Concen: 21.882 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

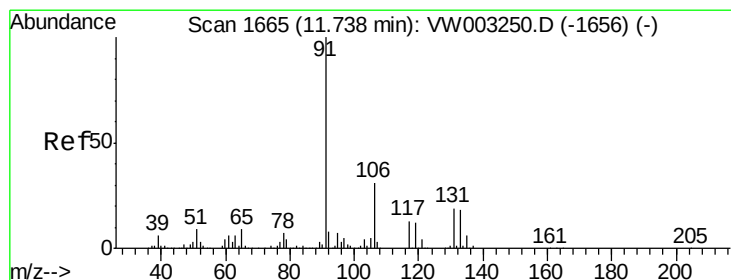
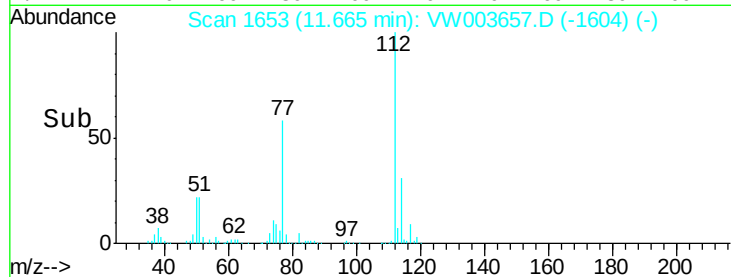
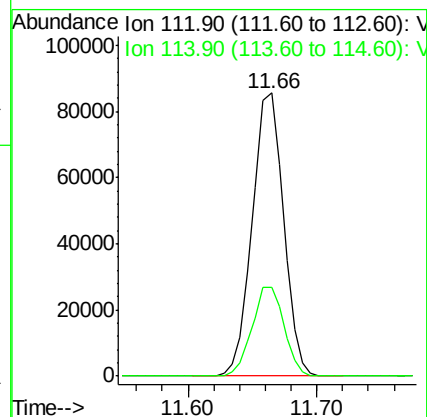
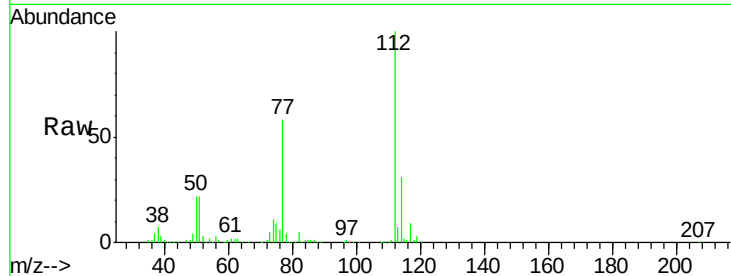
ClientSampleId :

Tot Ion:112 Resp: 143750

Ion Ratio Lower Upper

112 100

114 31.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 21.824 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

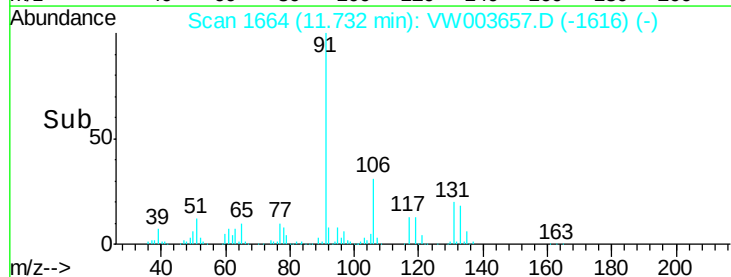
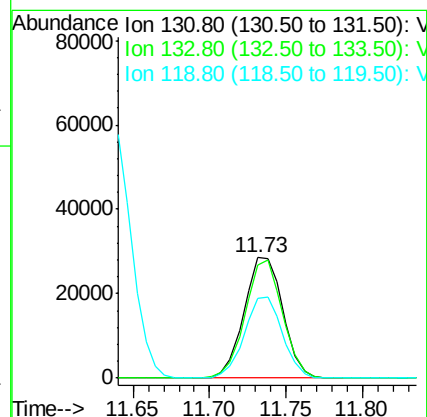
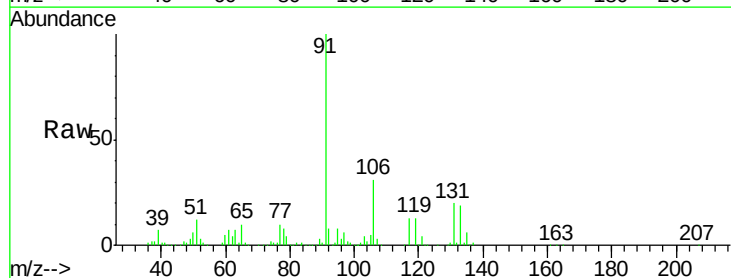
Tgt Ion:131 Resp: 50384

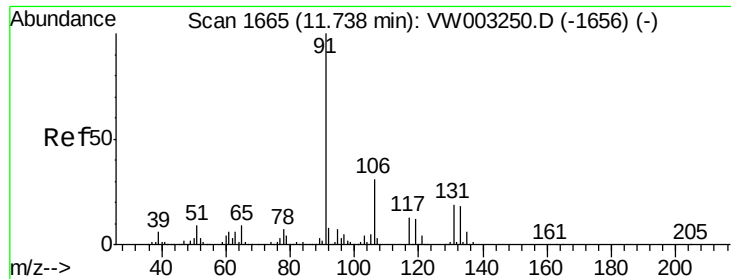
Ion Ratio Lower Upper

131 100

133 94.0 47.3 142.0

119 65.7 32.5 97.4

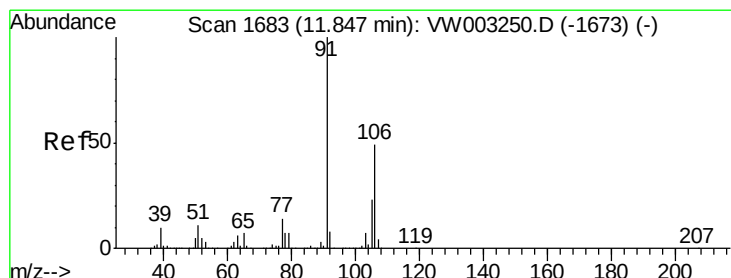
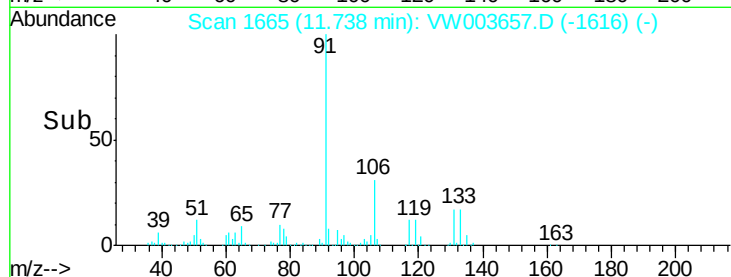
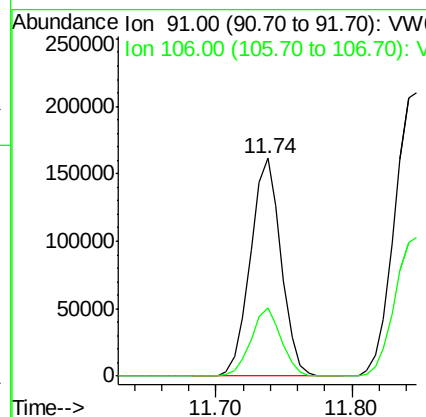
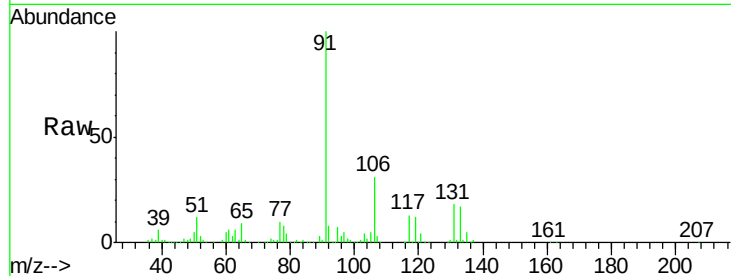




#67
Ethyl Benzene
Concen: 21.887 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

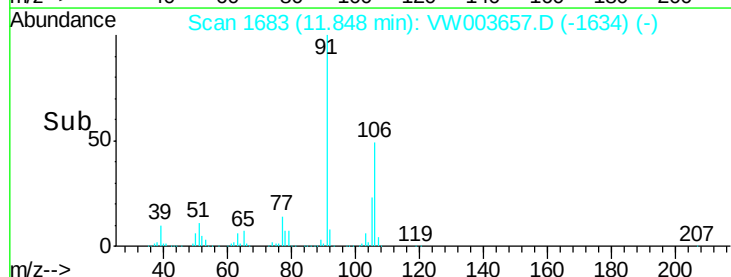
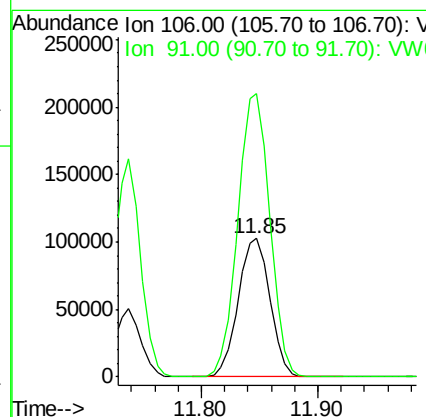
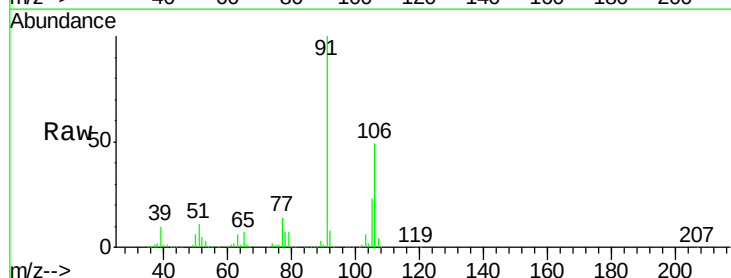
Instrument :
MSVOA_W
ClientSampled :

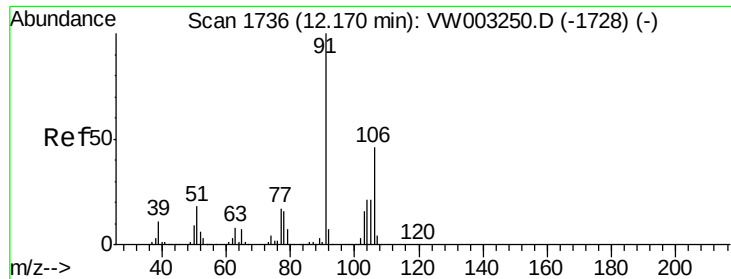
Tot Ion: 91 Resp: 254882
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 44.279 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 106 Resp: 196012
Ion Ratio Lower Upper
106 100
91 204.7 165.4 248.0

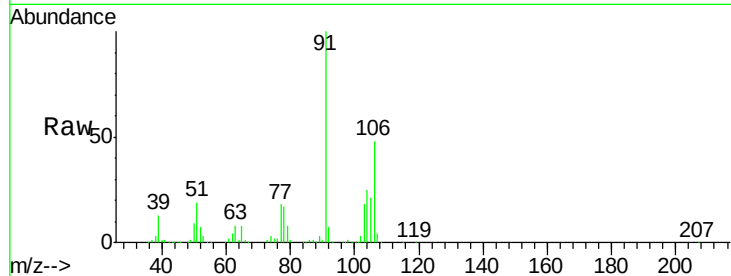




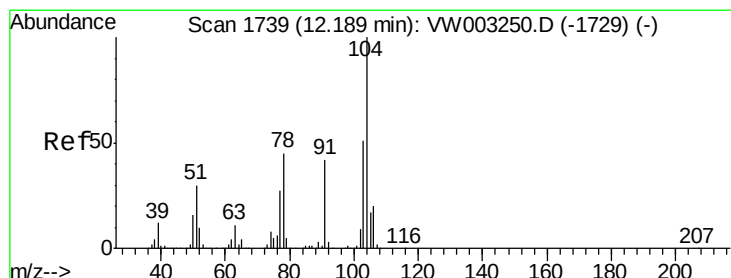
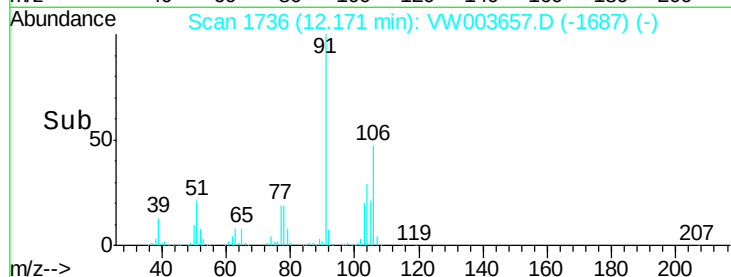
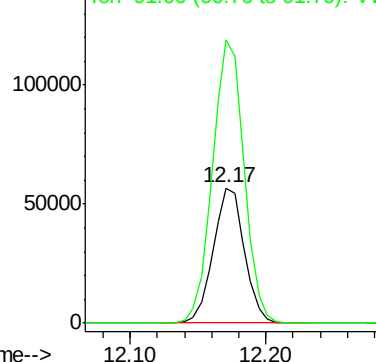
#69
o-Xylene
Concen: 22.146 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 90857
Ion Ratio Lower Upper
106 100
91 212.6 108.6 325.6

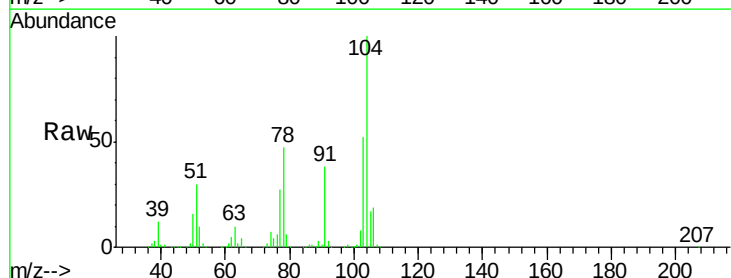


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

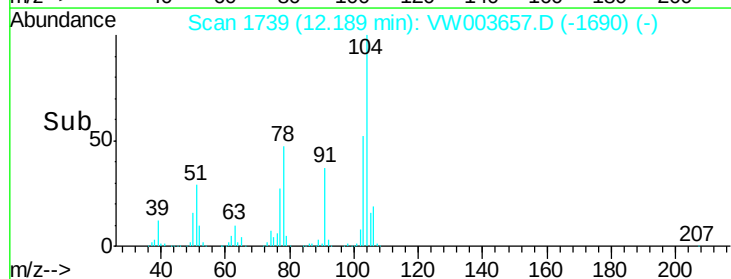
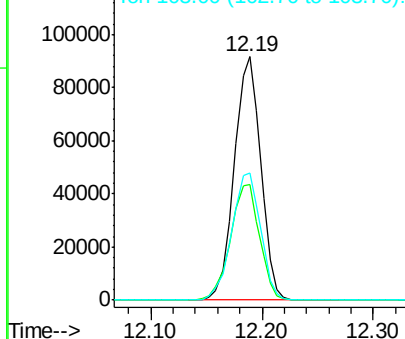


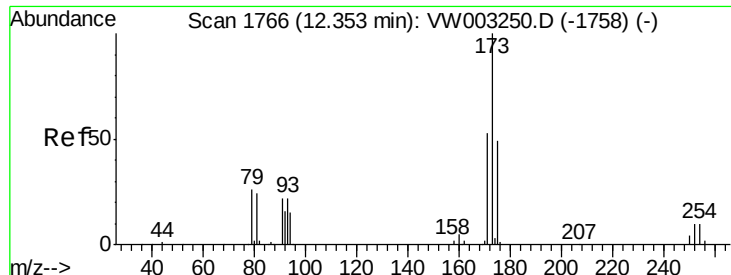
#70
Styrene
Concen: 22.107 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion:104 Resp: 150964
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 56.9 45.0 67.4



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





#71

Bromoform

Concen: 22.488 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

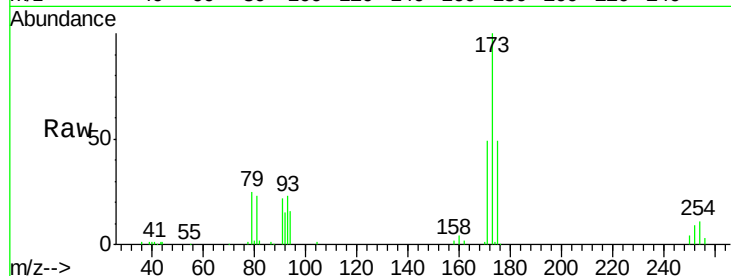
Tot Ion:173 Resp: 26906

Ion Ratio Lower Upper

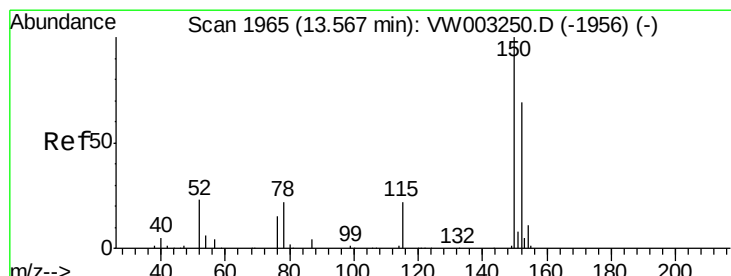
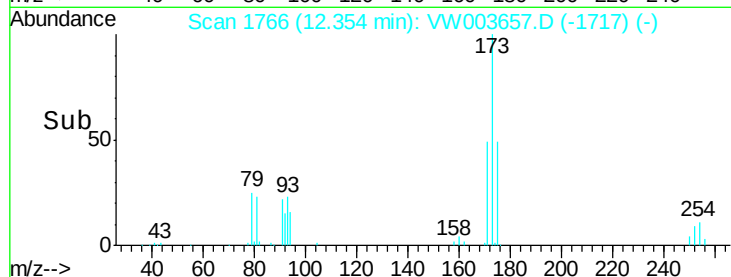
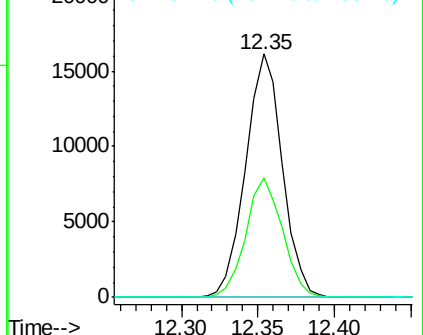
173 100

175 48.7 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: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

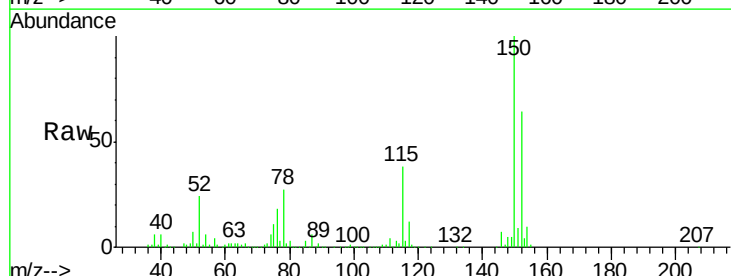
Tgt Ion:152 Resp: 170936

Ion Ratio Lower Upper

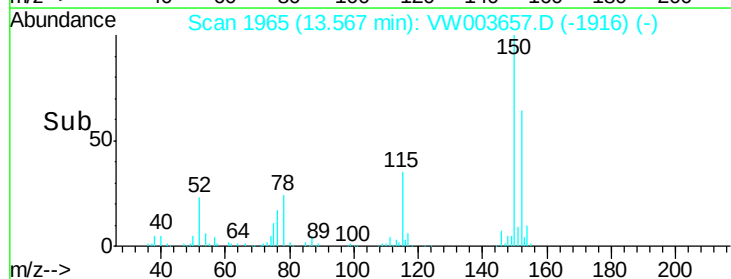
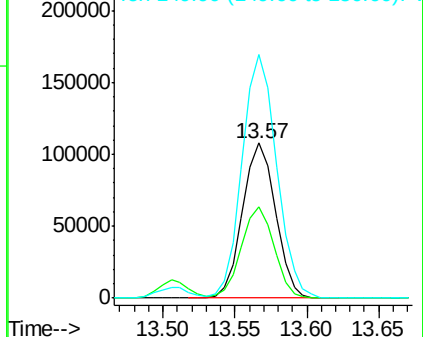
152 100

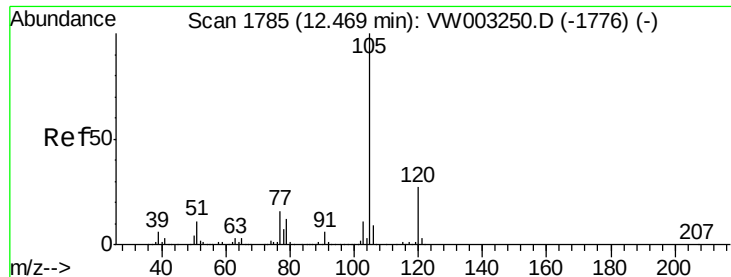
115 58.6 29.3 88.0

150 164.5 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: 21.172 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

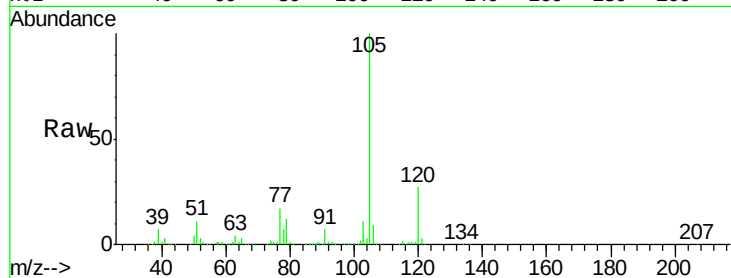
ClientSampleId :

Tot Ion:105 Resp: 251718

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

150000

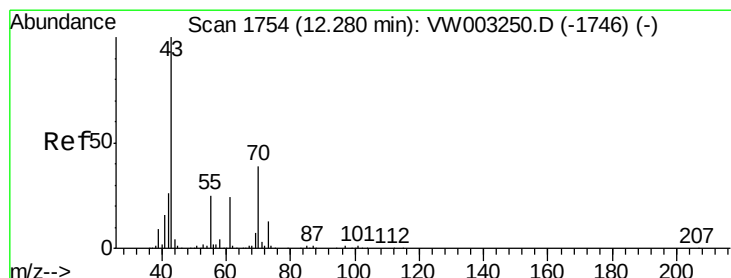
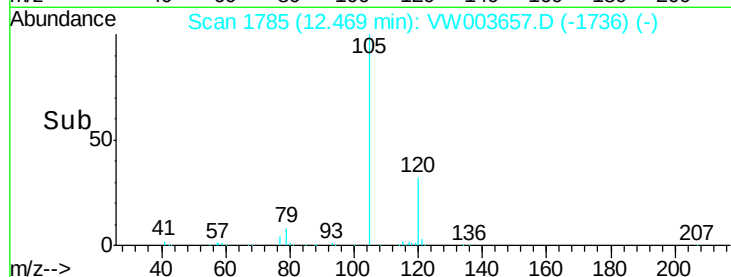
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 22.253 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Tgt Ion: 43 Resp: 60220

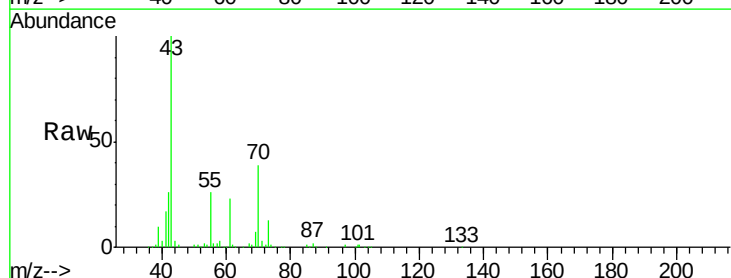
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 26.4 19.7 29.5

61 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

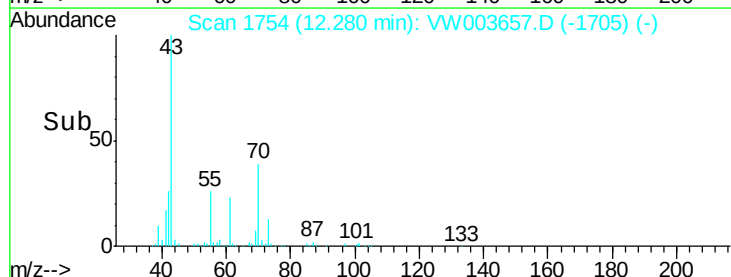
20000

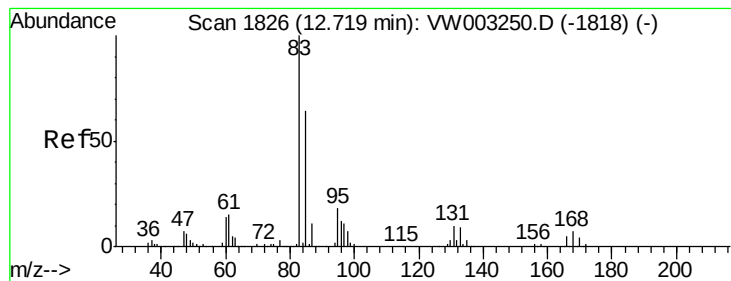
10000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.395 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

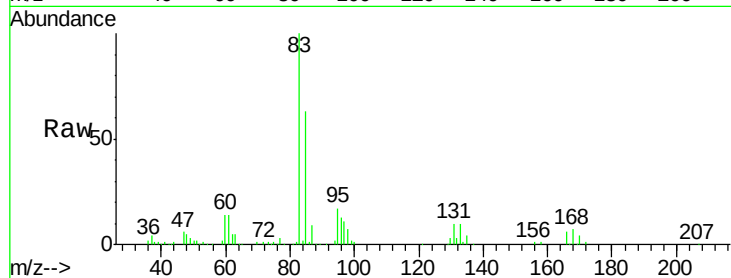
Tot Ion: 83 Resp: 47058

Ion Ratio Lower Upper

83 100

131 10.3 5.4 16.2

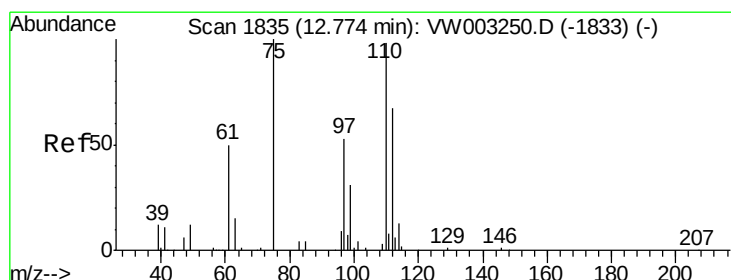
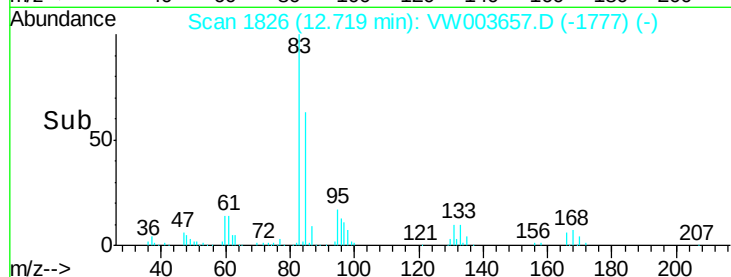
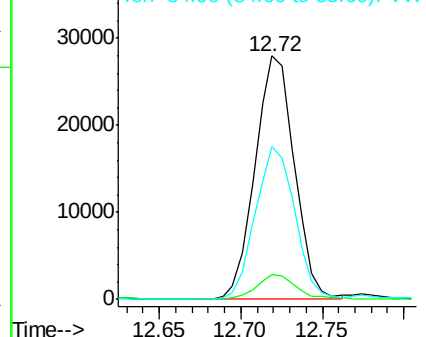
85 63.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.144 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003657.D

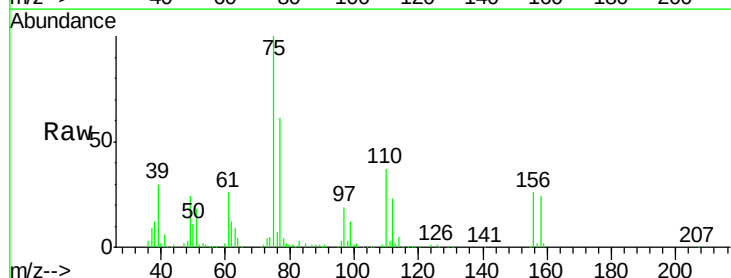
Acq: 29 Jun 2018 13:49

Tgt Ion: 75 Resp: 61585

Ion Ratio Lower Upper

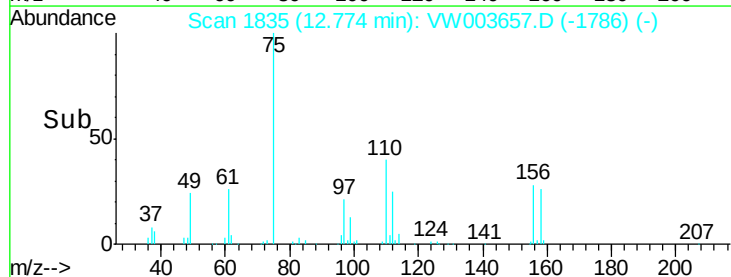
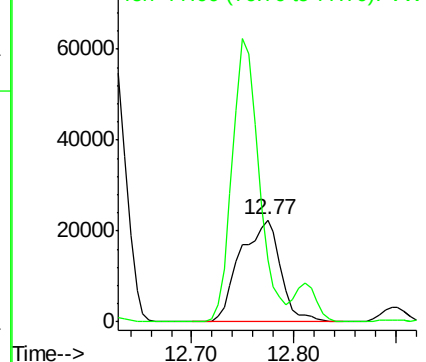
75 100

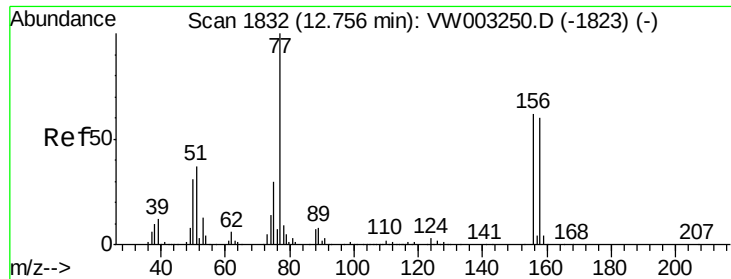
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.635 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampled :

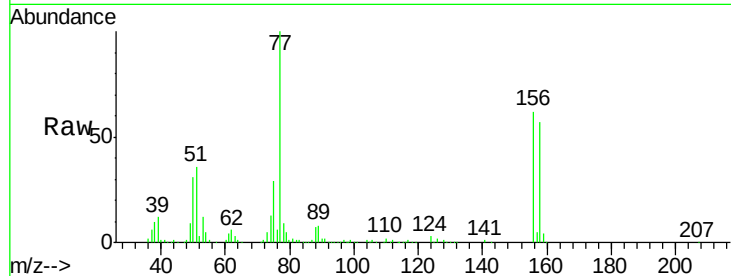
Tot Ion:156 Resp: 59904

Ion Ratio Lower Upper

156 100

77 190.5 92.3 276.9

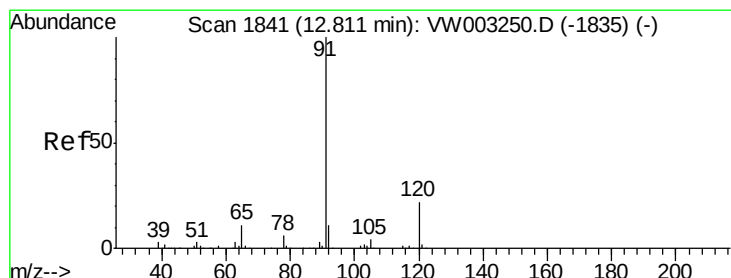
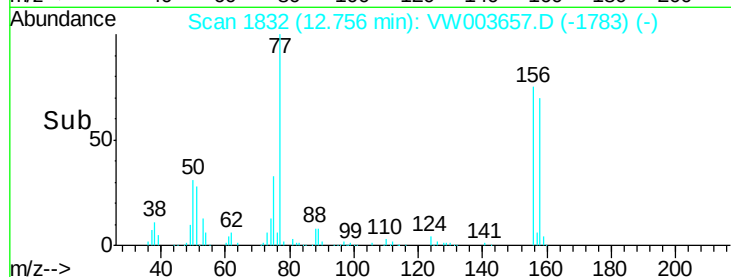
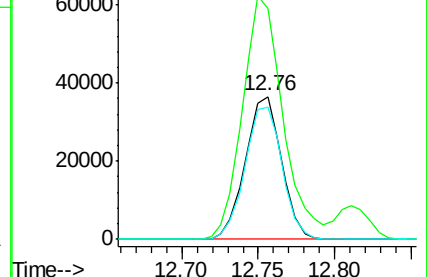
158 95.3 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.866 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003657.D

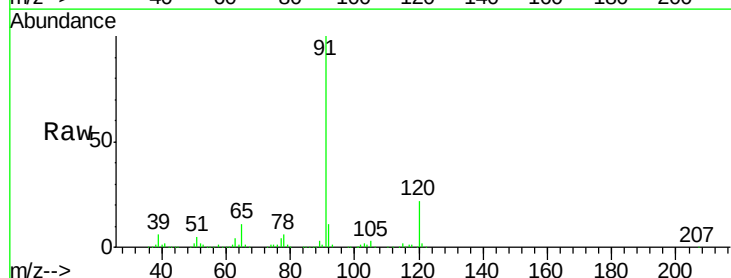
Acq: 29 Jun 2018 13:49

Tgt Ion: 91 Resp: 318324

Ion Ratio Lower Upper

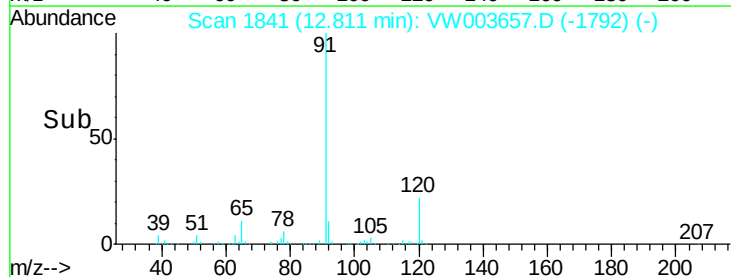
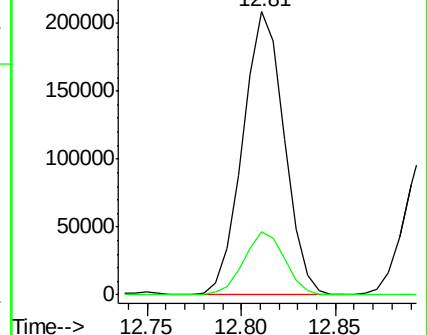
91 100

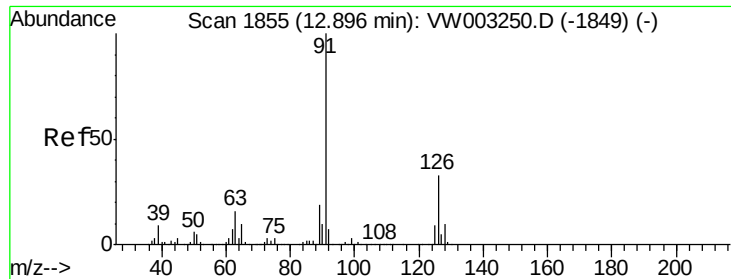
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

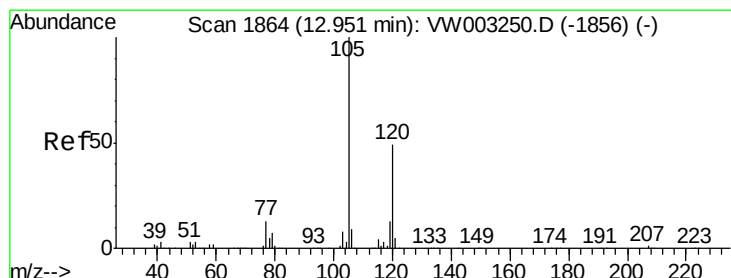
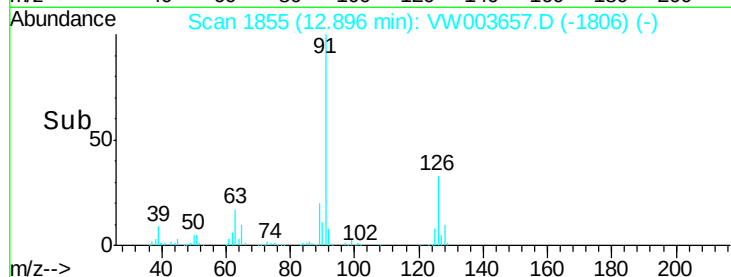
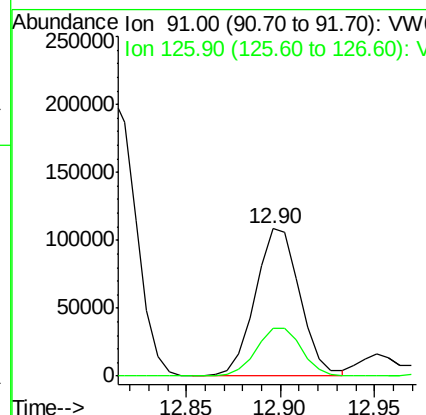
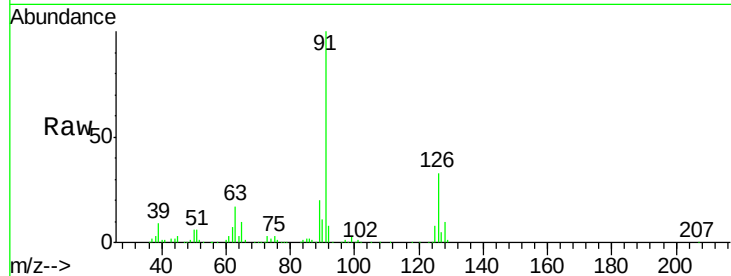




#79
 2-Chlorotoluene
 Concen: 21.710 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

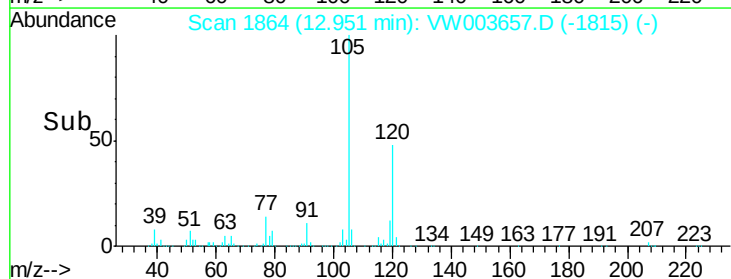
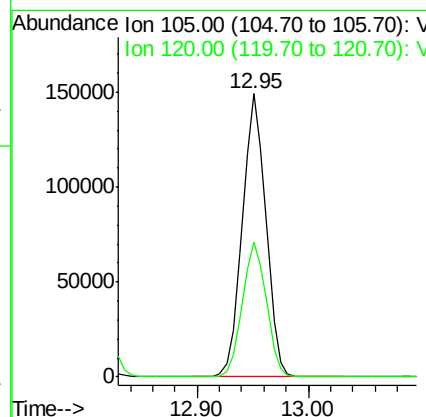
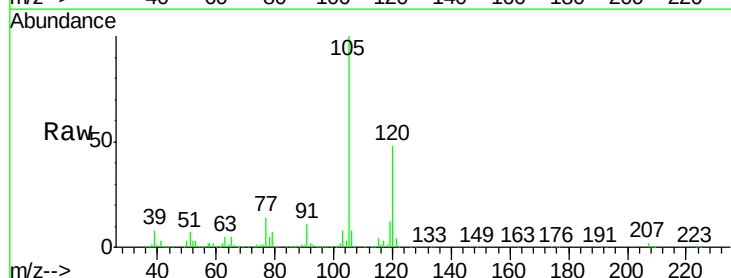
Instrument :
 MSVOA_W
 ClientSampled :

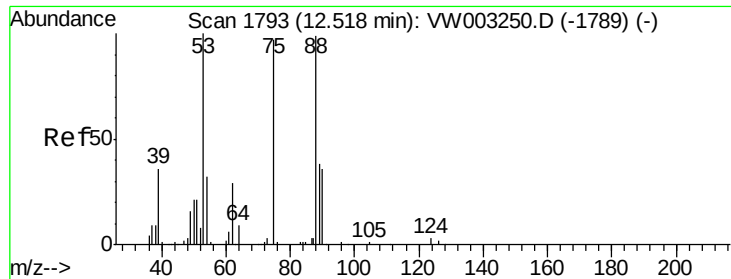
Tot Ion: 91 Resp: 178608
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.859 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion:105 Resp: 218141
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.582 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

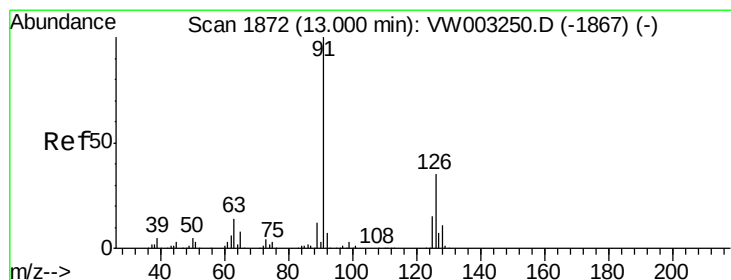
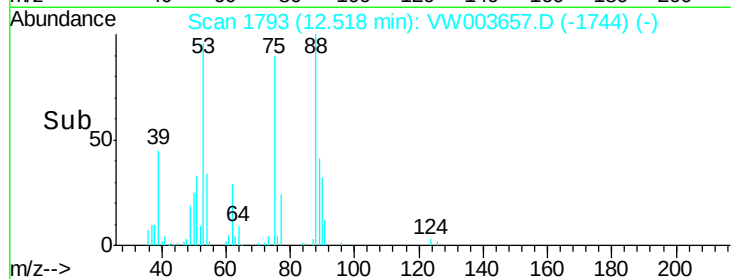
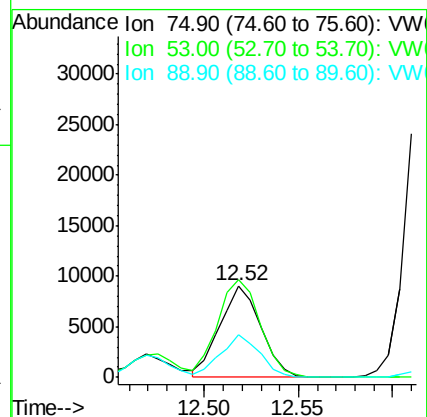
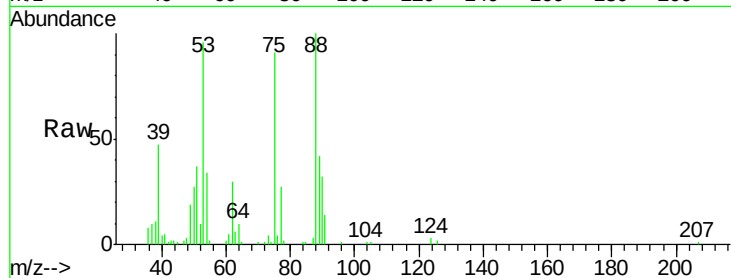
Tot Ion: 75 Resp: 13706

Ion Ratio Lower Upper

75 100

53 110.7 82.9 124.3

89 44.3 36.7 55.1



#82

4-Chlorotoluene

Concen: 21.563 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003657.D

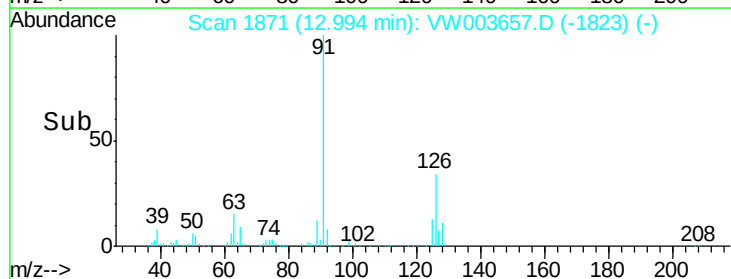
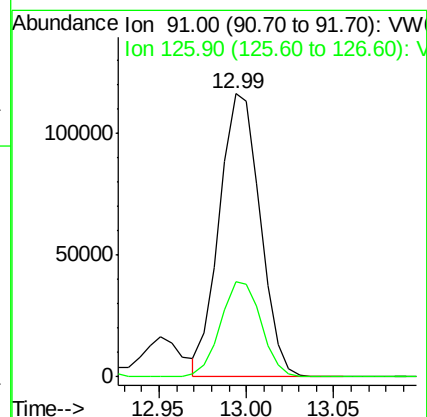
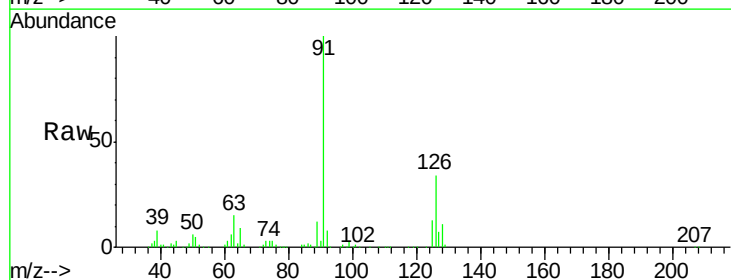
Acq: 29 Jun 2018 13:49

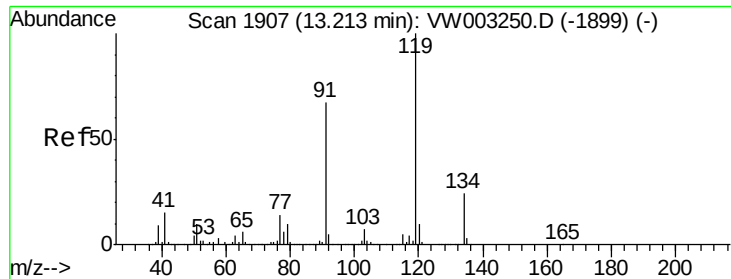
Tgt Ion: 91 Resp: 188191

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.3

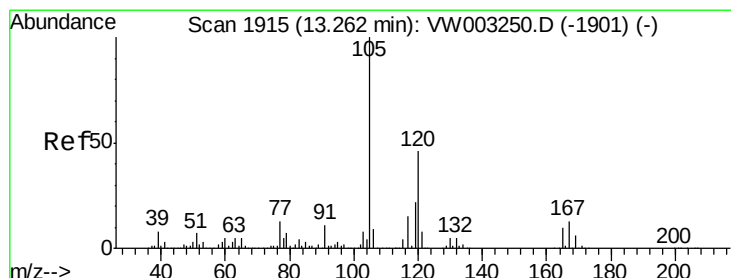
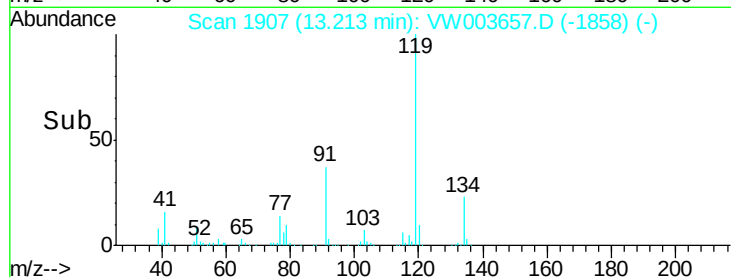
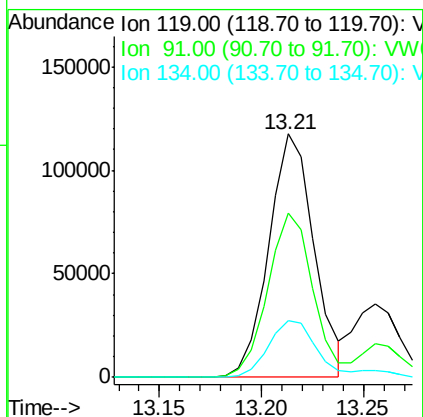
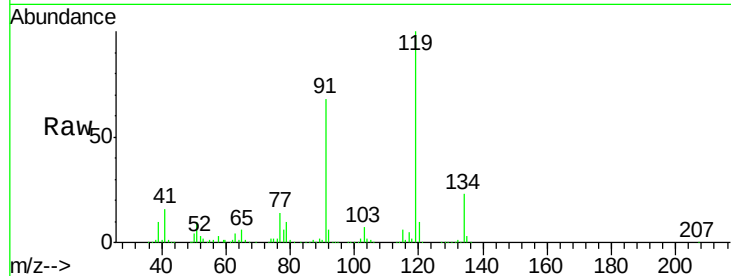




#83
tert-Butylbenzene
Concen: 21.393 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

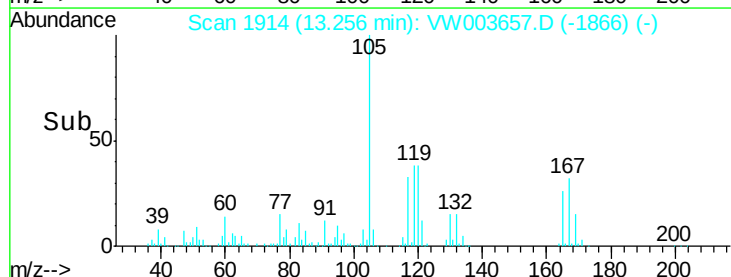
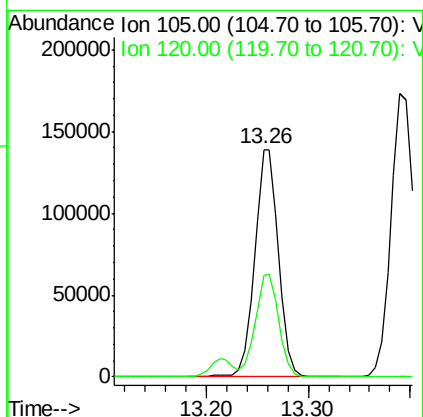
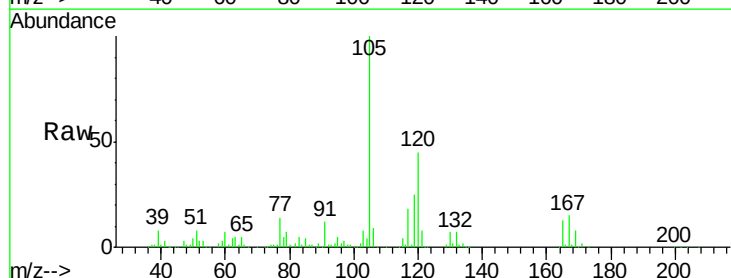
Instrument :
MSVOA_W
ClientSampleId :

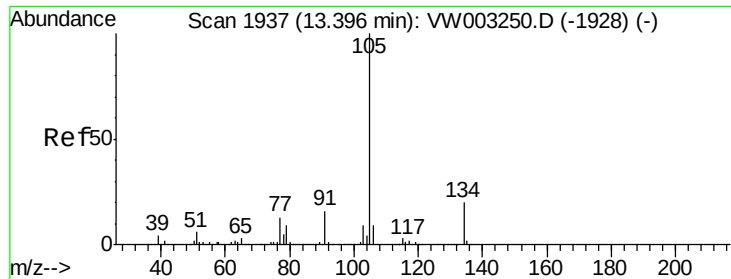
Tot Ion:119 Resp: 181945
Ion Ratio Lower Upper
119 100
91 68.0 33.9 101.7
134 24.4 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 21.942 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion:105 Resp: 225246
Ion Ratio Lower Upper
105 100
120 44.6 22.5 67.5

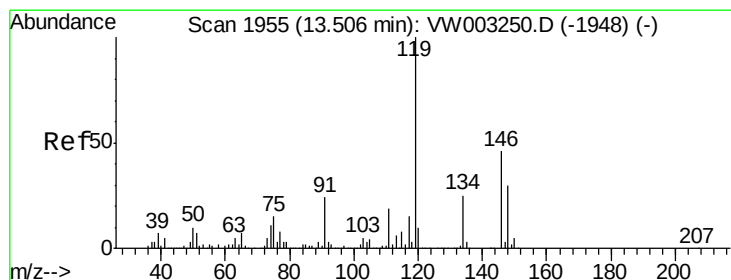
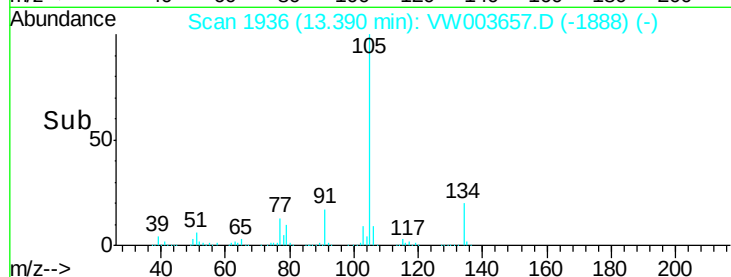
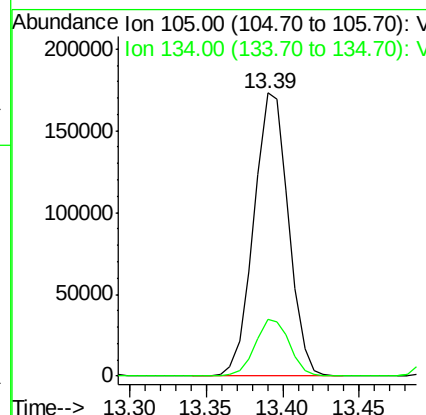
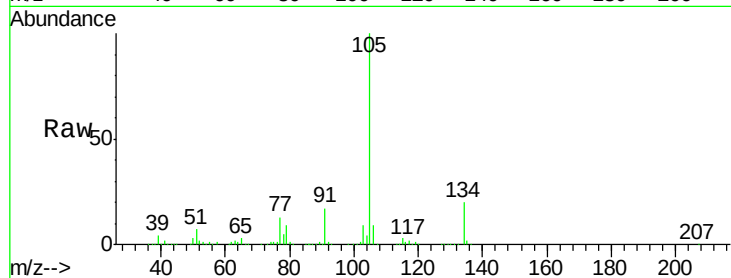




#85
 sec-Butylbenzene
 Concen: 21.584 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

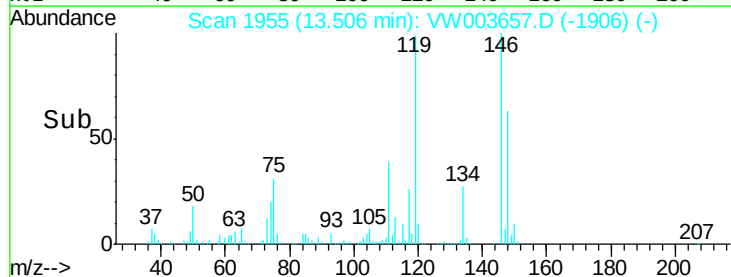
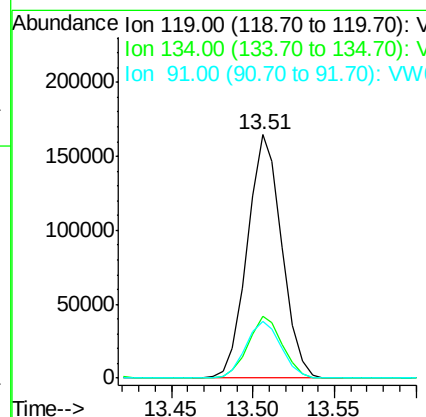
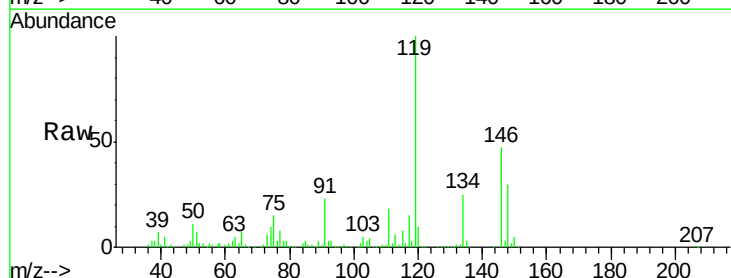
Instrument :
 MSVOA_W
 ClientSampleId :

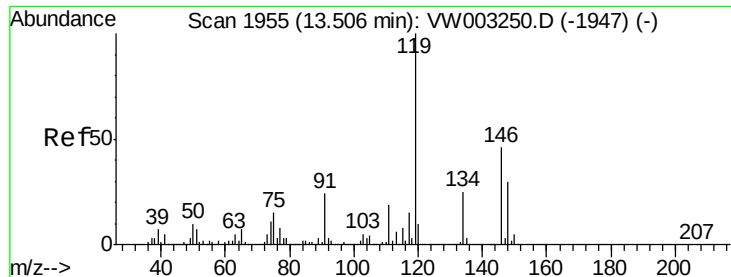
Tot Ion:105 Resp: 272855
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.606 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion:119 Resp: 240905
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 23.9 11.8 35.3

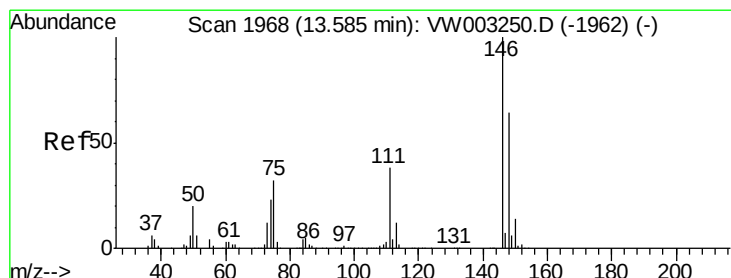
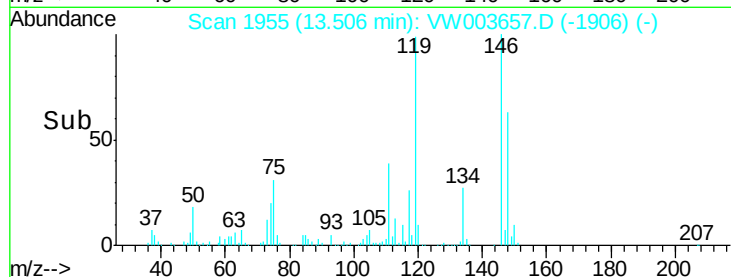
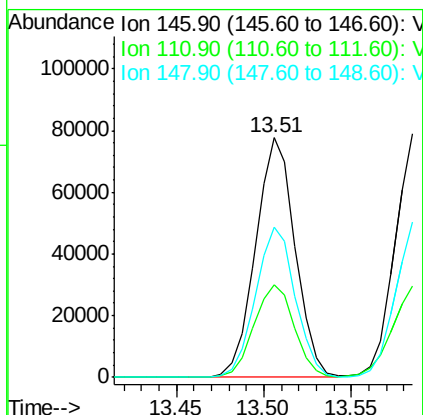
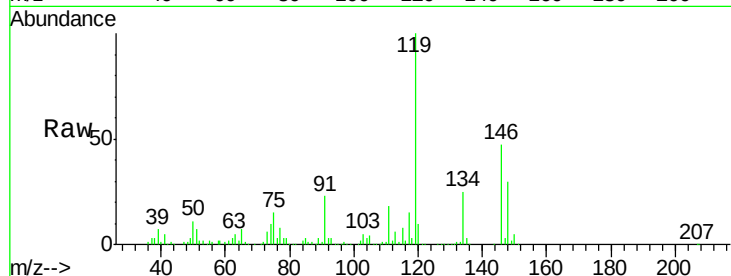




#87
 1,3-Dichlorobenzene
 Concen: 21.557 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

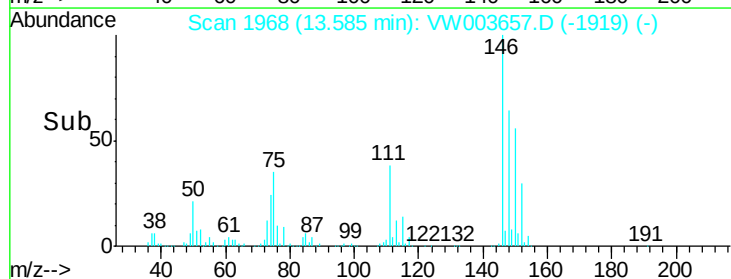
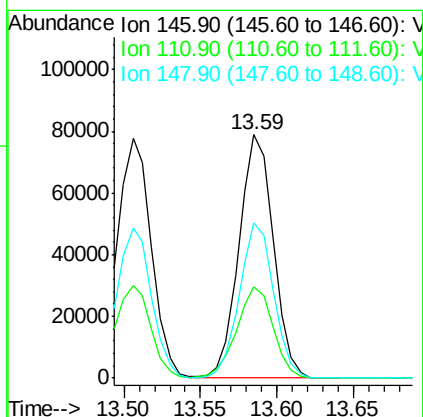
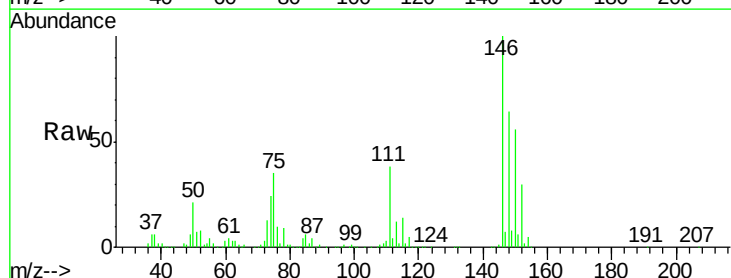
Instrument :
 MSVOA_W
 ClientSampled :

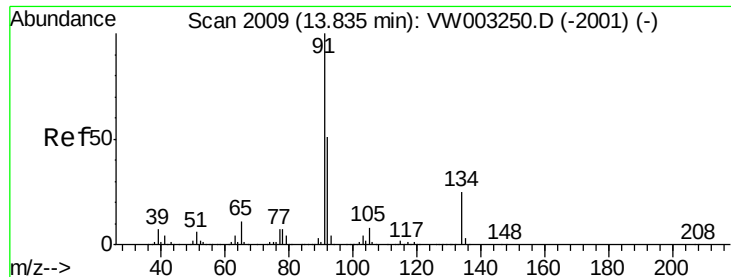
Tot Ion:146 Resp: 122622
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 63.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.775 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion:146 Resp: 123132
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.2 57.6
 148 63.6 31.8 95.4

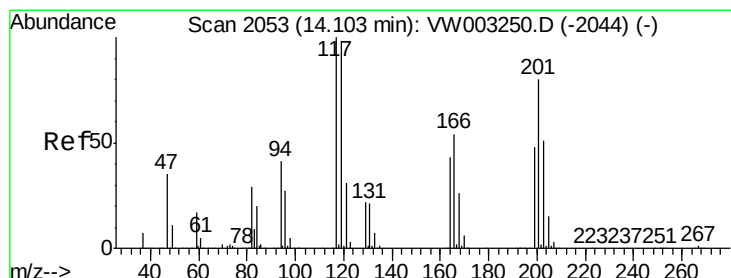
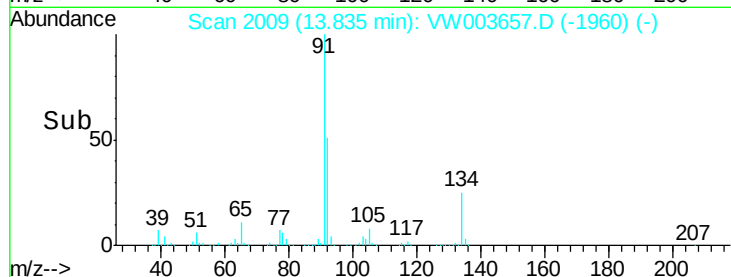
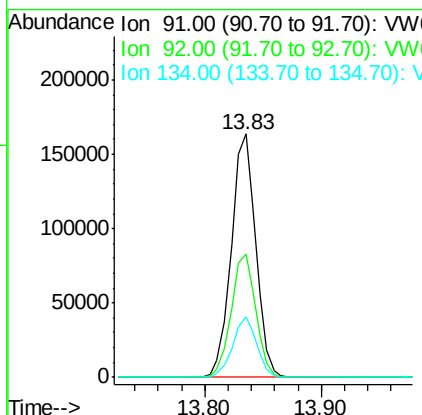
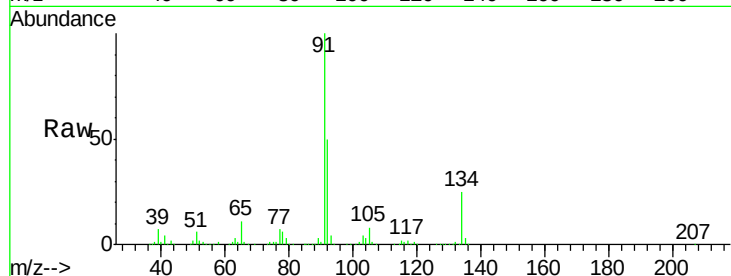




#89
n-Butylbenzene
Concen: 21.960 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

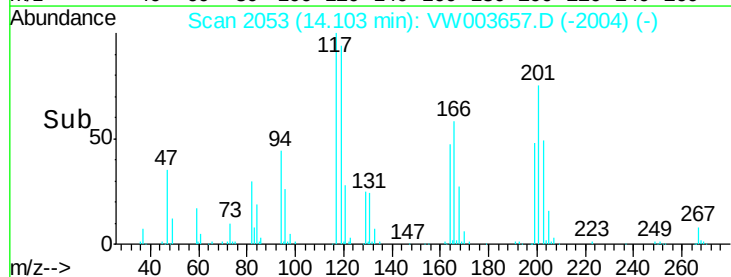
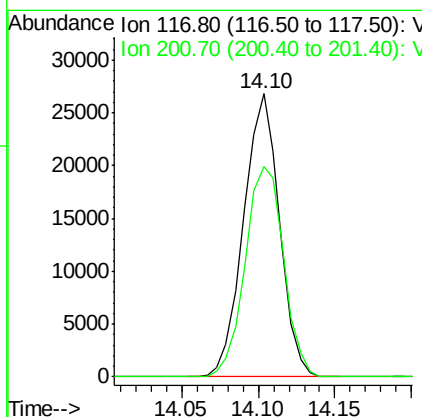
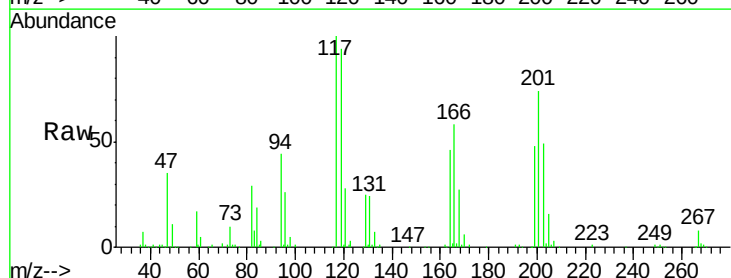
Instrument :
MSVOA_W
ClientSampleId :

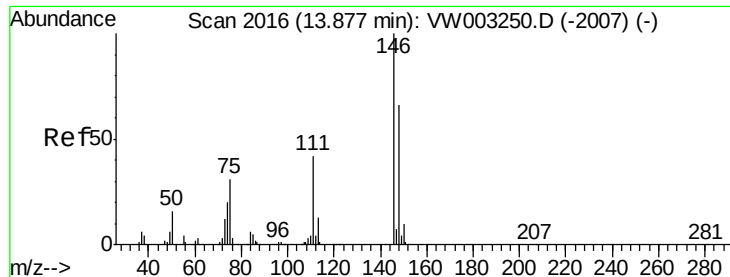
Tot Ion: 91 Resp: 238674
Ion Ratio Lower Upper
91 100
92 51.1 26.0 78.0
134 24.5 12.7 38.0



#90
Hexachloroethane
Concen: 21.607 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003657.D
Acq: 29 Jun 2018 13:49

Tgt Ion: 117 Resp: 43581
Ion Ratio Lower Upper
117 100
201 79.9 39.5 118.5

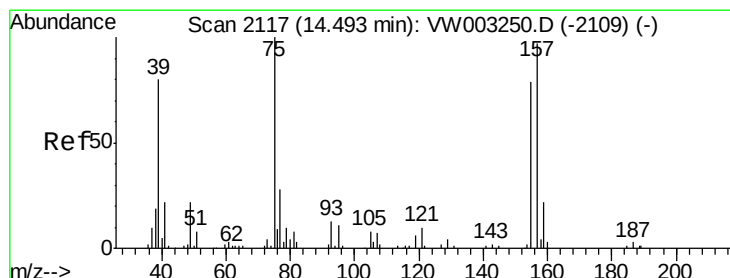
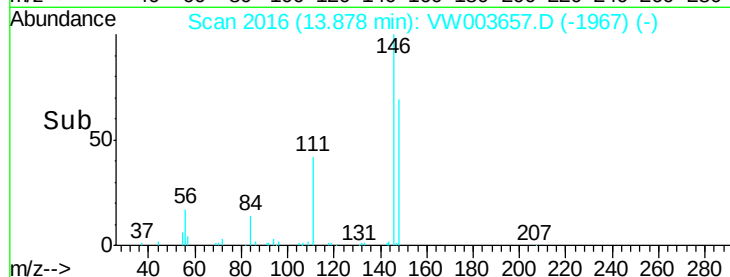
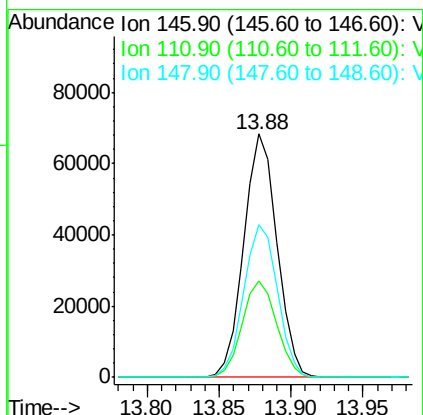
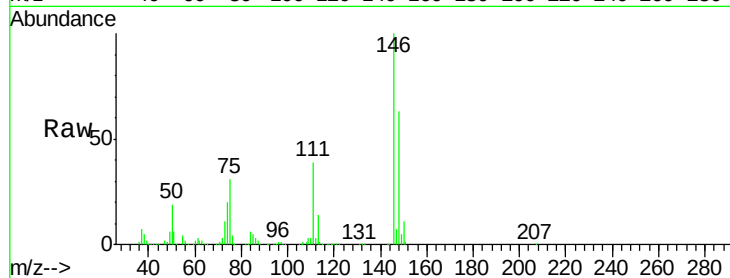




#91
 1,2-Dichlorobenzene
 Concen: 21.852 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

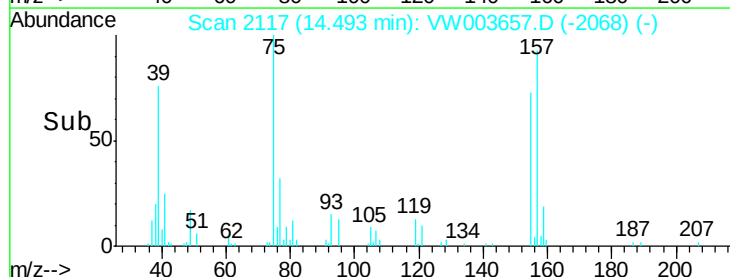
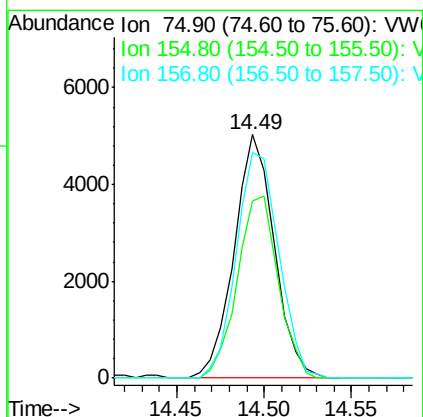
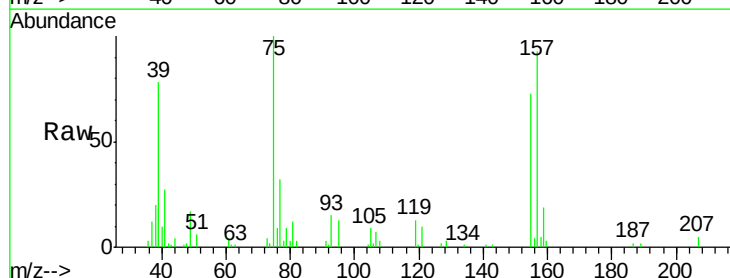
Instrument :
 MSVOA_W
 ClientSampleId :

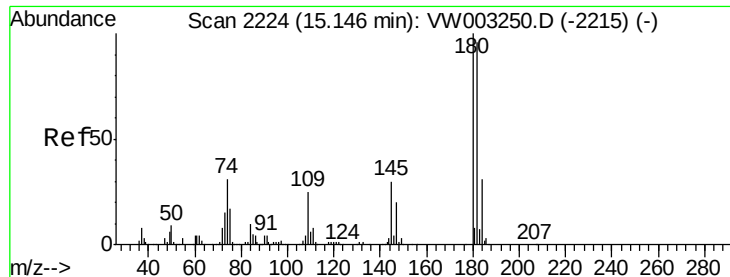
Tot Ion:146 Resp: 108882
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 61.0
 148 63.5 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.776 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion: 75 Resp: 8048
 Ion Ratio Lower Upper
 75 100
 155 76.0 39.4 118.2
 157 97.9 51.5 154.5

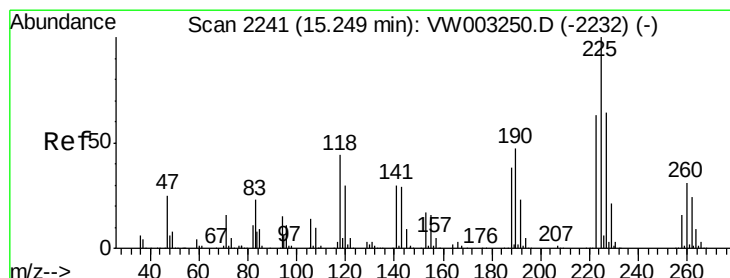
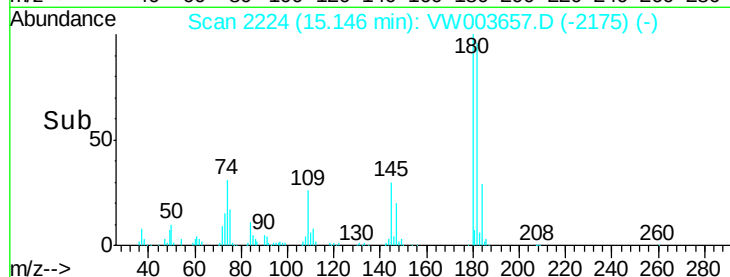
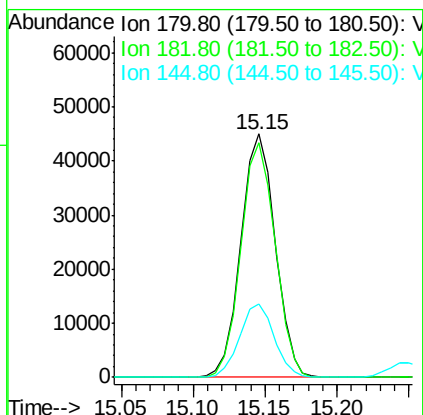
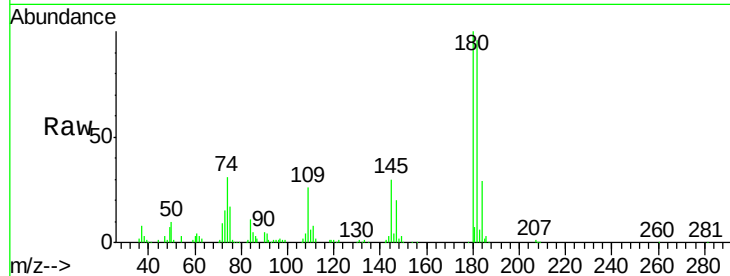




#93
 1,2,4-Trichlorobenzene
 Concen: 21.276 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

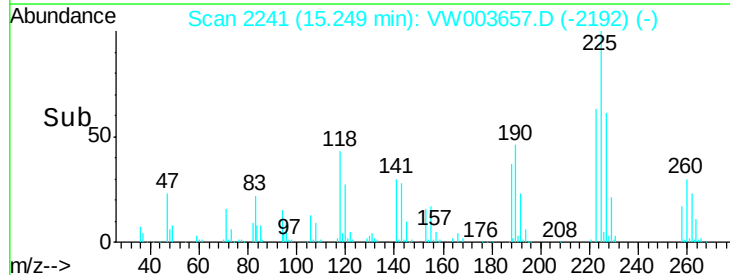
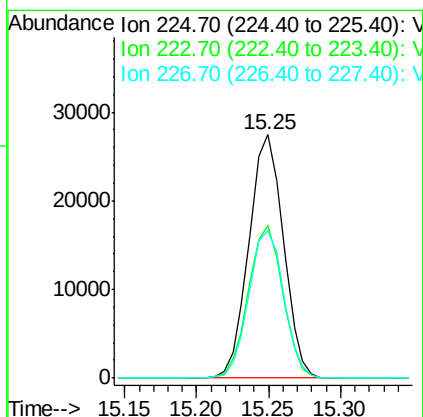
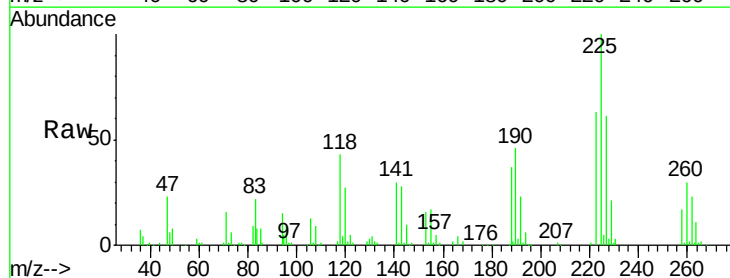
Instrument :
 MSVOA_W
 ClientSampleId :

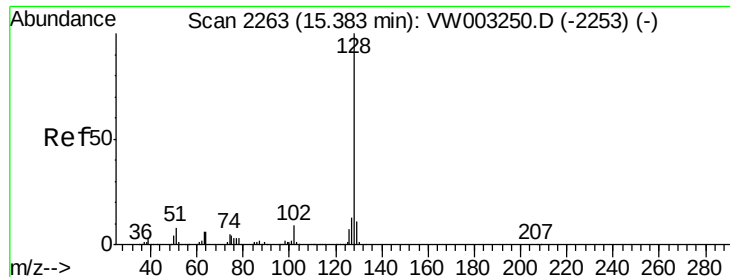
Tot Ion:180 Resp: 74421
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.6
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 21.665 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003657.D
 Acq: 29 Jun 2018 13:49

Tgt Ion:225 Resp: 45584
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 61.6 31.7 95.1





#95

Naphthalene

Concen: 21.829 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

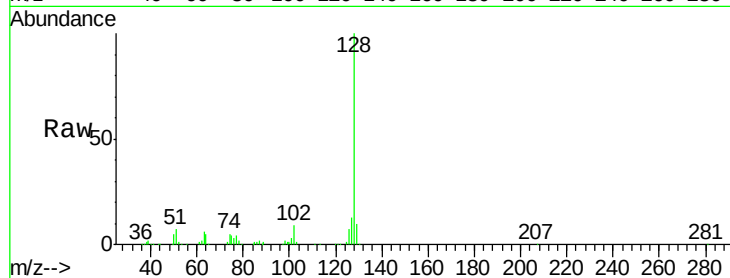
Tot Ion:128 Resp: 129522

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

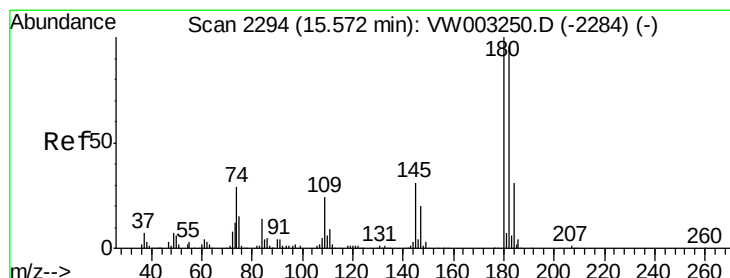
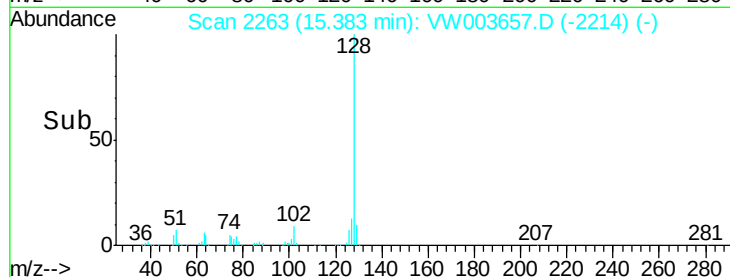
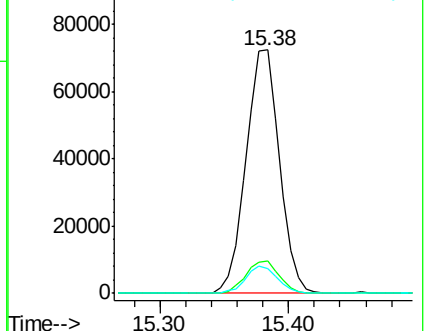
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.312 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003657.D

Acq: 29 Jun 2018 13:49

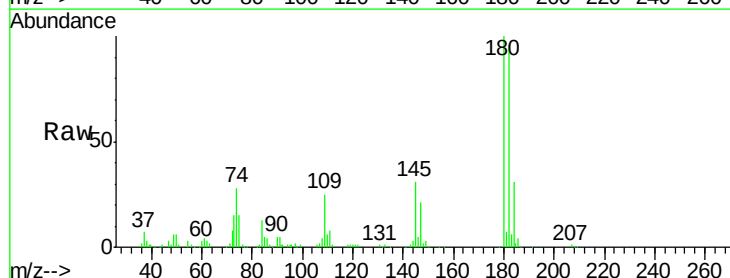
Tgt Ion:180 Resp: 65618

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.6

145 31.5 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

