

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003656.D
 Acq On : 29 Jun 2018 13:23
 Operator : SY/AP
 Sample : VW0629SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:38:02 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	221232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	337849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	123358	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	7.88	113	109438	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	10.33	98	439134	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.62	95	160428	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	17502	26.168	ug/l	86
3) Chloromethane	2.21	50	33266	19.685	ug/l	96
4) Vinyl Chloride	2.36	62	49549	20.113	ug/l	98
5) Bromomethane	2.78	94	29740	18.163	ug/l	97
6) Chloroethane	2.92	64	32173	18.762	ug/l	98
7) Trichlorofluoromethane	3.25	101	30981	20.992	ug/l	94
8) Diethyl Ether	3.67	74	22604	20.849	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44726	21.824	ug/l	99
10) Methyl Iodide	4.26	142	64000	20.650	ug/l	99
11) Tert butyl alcohol	5.26	59	13371	104.042	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	42783	21.363	ug/l	92
13) Acrolein	3.89	56	11237	61.156	ug/l	98
14) Allyl chloride	4.66	41	72195	20.811	ug/l	99
15) Acrylonitrile	5.37	53	47280	105.995	ug/l	99
16) Acetone	4.15	43	54883	109.204	ug/l	98
17) Carbon Disulfide	4.37	76	121592	20.537	ug/l	99
18) Methyl Acetate	4.68	43	22749	19.081	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	77818	20.746	ug/l	98
20) Methylene Chloride	4.91	84	50422	21.528	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	46462	21.317	ug/l	99
22) Diisopropyl ether	6.31	45	151848	21.749	ug/l	96
23) Vinyl Acetate	6.26	43	419744	104.328	ug/l	99
24) 1,1-Dichloroethane	6.21	63	90779	21.902	ug/l	99
25) 2-Butanone	7.18	43	67716	108.357	ug/l	95
26) 2,2-Dichloropropane	7.17	77	60004	21.692	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51262	21.410	ug/l	95
28) Bromochloromethane	7.51	49	34439	19.967	ug/l	97
29) Tetrahydrofuran	7.54	42	38124	99.817	ug/l	99
30) Chloroform	7.67	83	93466	22.135	ug/l	99
31) Cyclohexane	7.95	56	82286	21.251	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74999	21.518	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73214	22.439	ug/l	99
37) Ethyl Acetate	7.26	43	27729	20.515	ug/l	96
38) Carbon Tetrachloride	8.07	117	72628	22.693	ug/l	99

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Quant Time: Jun 30 03:38:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81440	21.572	ug/l	93
40) Benzene	8.32	78	202818	22.551	ug/l	99
41) Methacrylonitrile	7.49	41	15947	19.226	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62565	22.204	ug/l	99
43) Isopropyl Acetate	8.43	43	54656	20.364	ug/l	97
44) Trichloroethene	9.09	130	52650	22.093	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51718	22.585	ug/l	99
46) Dibromomethane	9.46	93	25630	21.862	ug/l	99
47) Bromodichloromethane	9.65	83	66784	22.223	ug/l	96
48) Methyl methacrylate	9.44	41	25911	20.543	ug/l	99
49) 1,4-Dioxane	9.49	88	6945	392.340	ug/l	82
51) 4-Methyl-2-Pentanone	10.21	43	144871	105.930	ug/l	100
52) Toluene	10.39	92	129653	22.481	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	65851	21.452	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74899	21.437	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35608	21.554	ug/l	96
56) Ethyl methacrylate	10.65	69	40854	20.365	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63285	22.211	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	99621	110.776	ug/l	98
59) 2-Hexanone	10.98	43	104910	109.808	ug/l	98
60) Dibromochloromethane	11.13	129	42119	21.439	ug/l	100
61) 1,2-Dibromoethane	11.24	107	33867	21.672	ug/l	98
64) Tetrachloroethene	10.87	164	44402	21.209	ug/l	99
65) Chlorobenzene	11.66	112	141542	21.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	49066	21.421	ug/l	99
67) Ethyl Benzene	11.74	91	249349	21.581	ug/l	99
68) m/p-Xylenes	11.85	106	192999	43.942	ug/l	100
69) o-Xylene	12.17	106	88739	21.800	ug/l	99
70) Styrene	12.19	104	149587	22.078	ug/l	99
71) Bromoform	12.35	173	23926	20.154	ug/l #	100
73) Isopropylbenzene	12.47	105	250649	21.253	ug/l	99
74) N-amyl acetate	12.28	43	53279	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	42410	21.256	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56137	38.728	ug/l #	100
77) Bromobenzene	12.76	156	57808	21.047	ug/l	98
78) n-propylbenzene	12.81	91	312445	21.636	ug/l	99
79) 2-Chlorotoluene	12.90	91	176756	21.659	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	215022	21.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12374	19.643	ug/l	92
82) 4-Chlorotoluene	13.00	91	187453	21.653	ug/l	100
83) tert-Butylbenzene	13.21	119	177617	21.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	220032	21.608	ug/l	99
85) sec-Butylbenzene	13.39	105	272574	21.737	ug/l	100
86) p-Isopropyltoluene	13.51	119	238211	21.538	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	120826	21.414	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	120178	21.425	ug/l	99
89) n-Butylbenzene	13.83	91	235007	21.799	ug/l	99
90) Hexachloroethane	14.10	117	42989	21.487	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	106785	21.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6997	20.839	ug/l	97

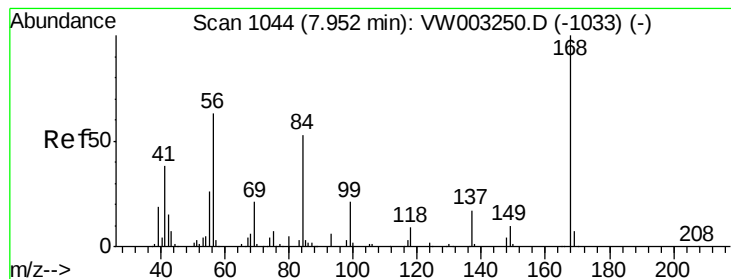
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	73902	21.300	ug/l	99
94) Hexachlorobutadiene	15.25	225	45326	21.717	ug/l	99
95) Naphthalene	15.38	128	114407	19.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	63240	20.707	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: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

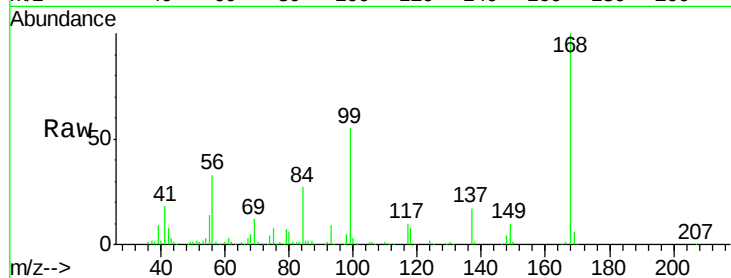
ClientSampleId :

Tot Ion:168 Resp: 221232

Ion Ratio Lower Upper

168 100

99 55.3 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

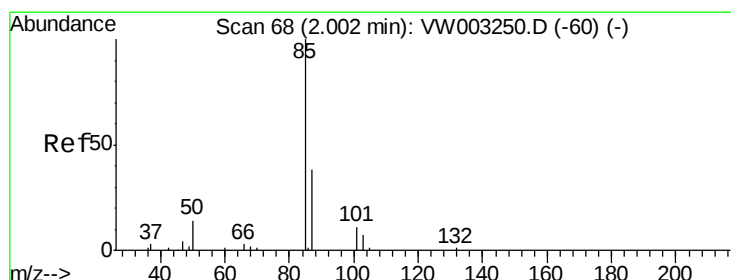
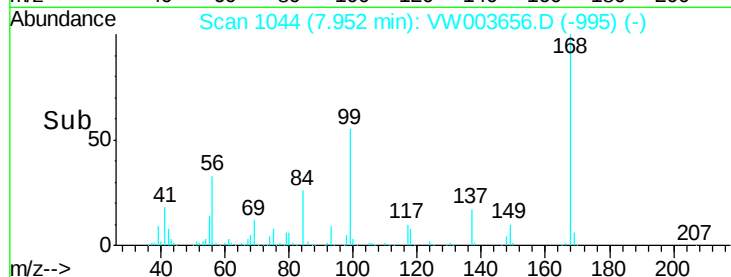
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 26.168 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003656.D

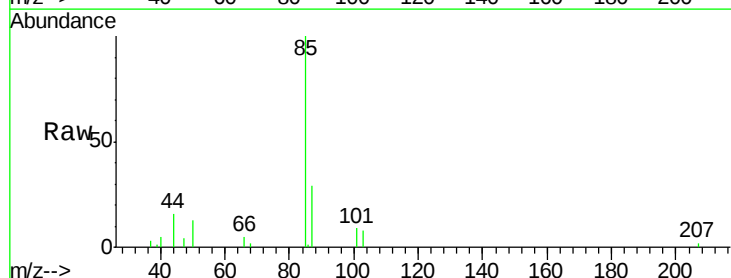
Acq: 29 Jun 2018 13:23

Tgt Ion: 85 Resp: 17502

Ion Ratio Lower Upper

85 100

87 29.2 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

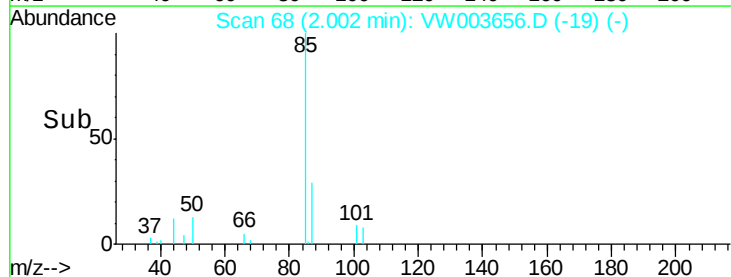
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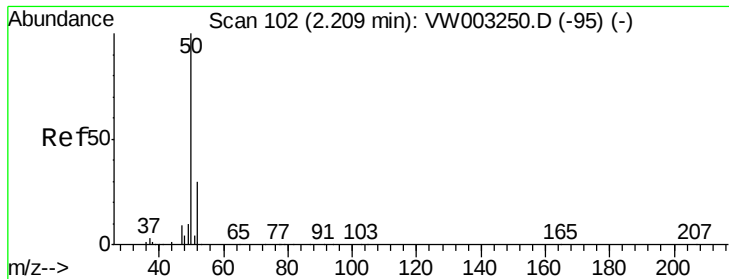
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.685 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

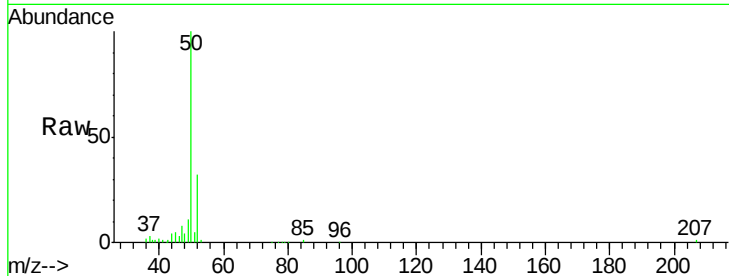
ClientSampleId :

Tot Ion: 50 Resp: 33266

Ion Ratio Lower Upper

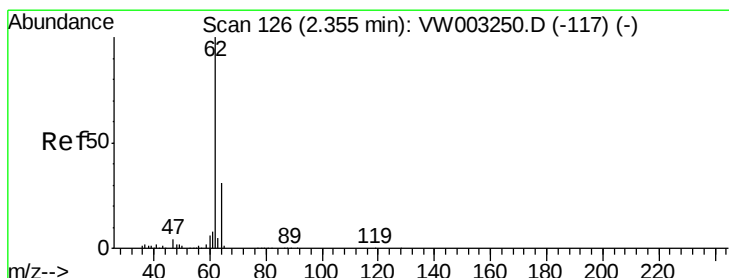
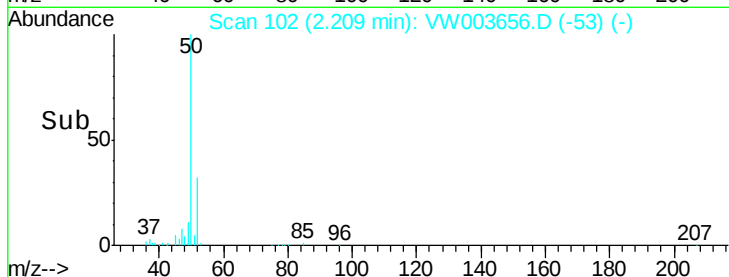
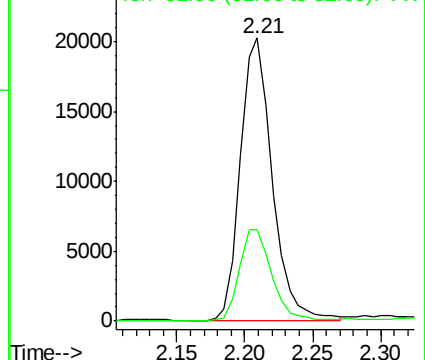
50 100

52 32.2 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.113 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003656.D

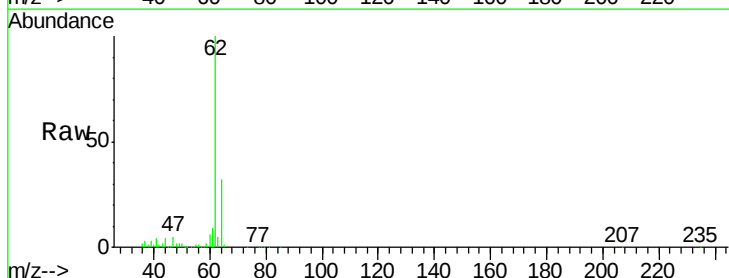
Acq: 29 Jun 2018 13:23

Tgt Ion: 62 Resp: 49549

Ion Ratio Lower Upper

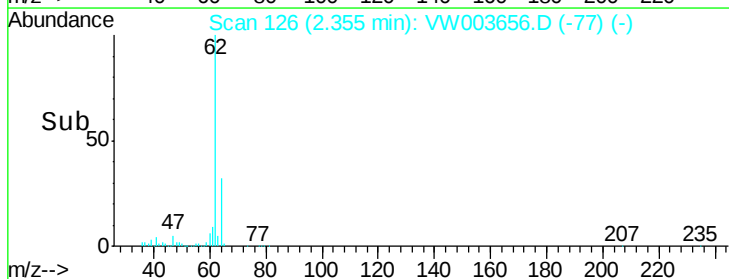
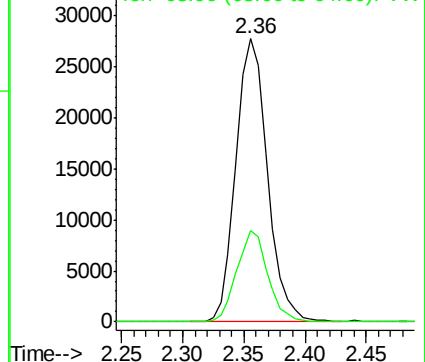
62 100

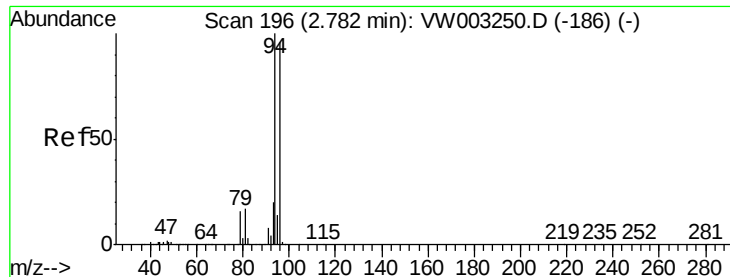
64 32.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.163 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

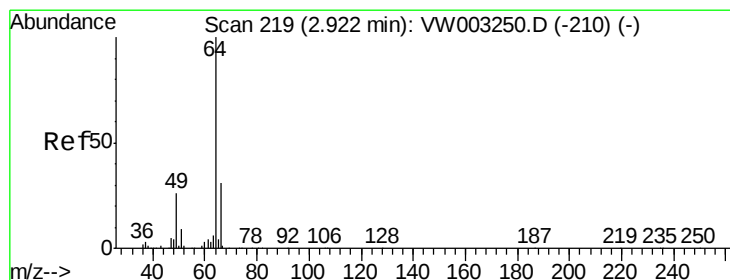
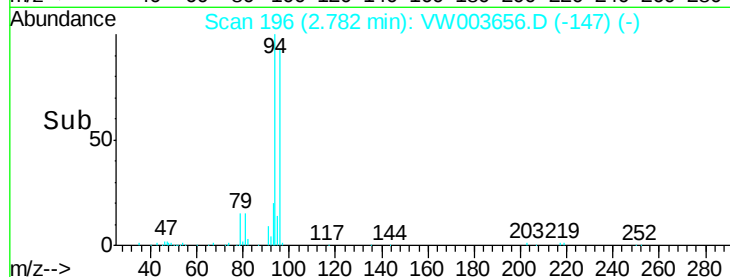
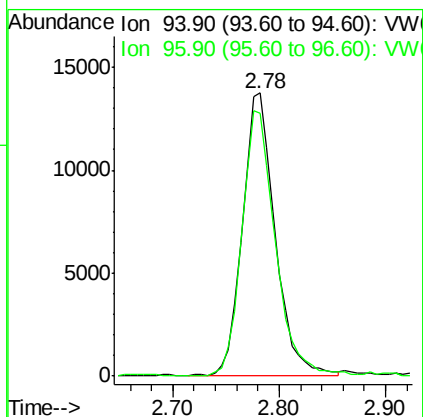
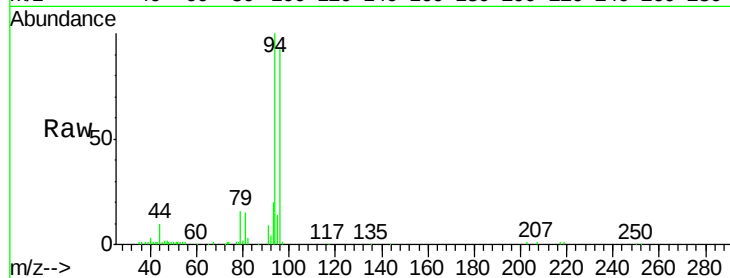
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 29740

Ion Ratio Lower Upper

94 100

96 93.0 76.5 114.7



#6

Chloroethane

Concen: 18.762 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003656.D

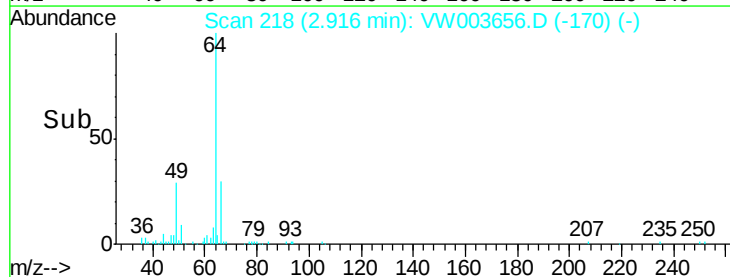
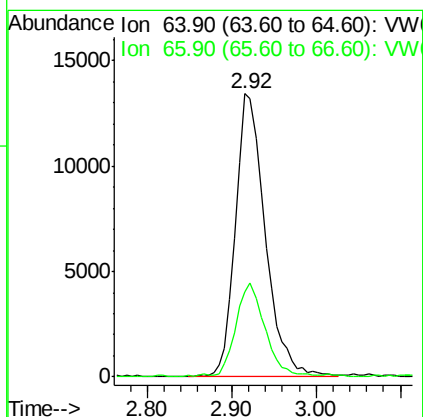
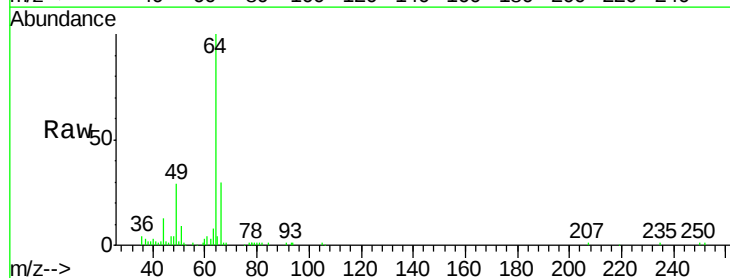
Acq: 29 Jun 2018 13:23

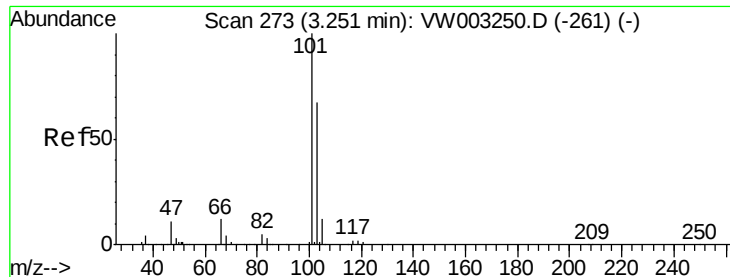
Tgt Ion: 64 Resp: 32173

Ion Ratio Lower Upper

64 100

66 29.4 24.4 36.6



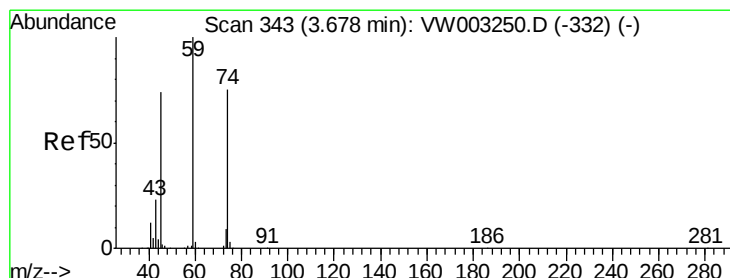
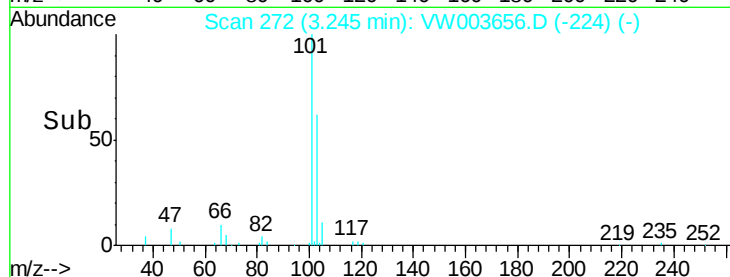
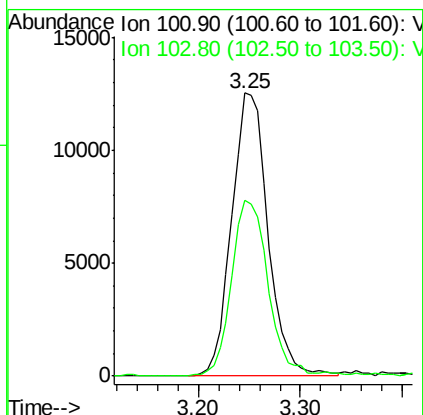
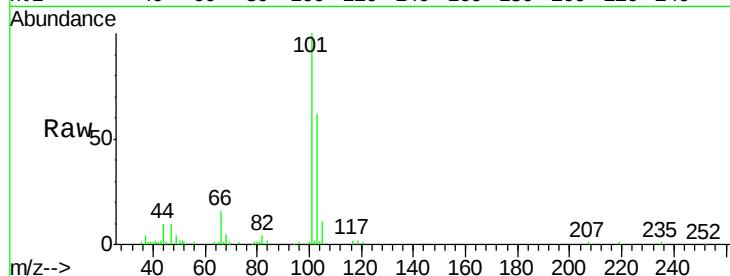


#7

Trichlorofluoromethane
Concen: 20.992 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampled :

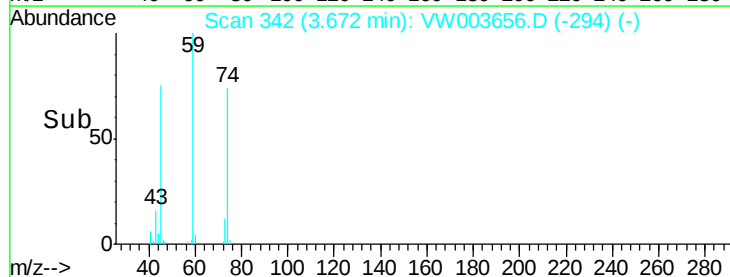
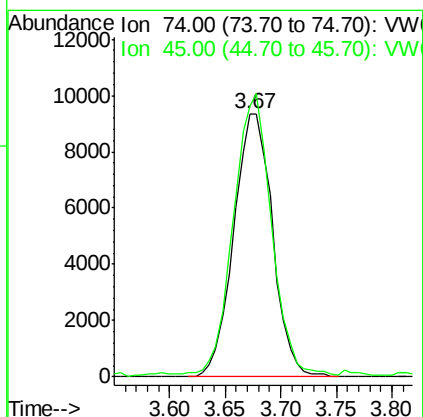
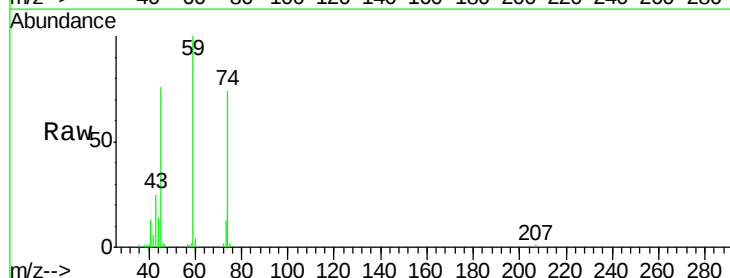
Tot Ion:101 Resp: 30981
Ion Ratio Lower Upper
101 100
103 62.1 53.4 80.0

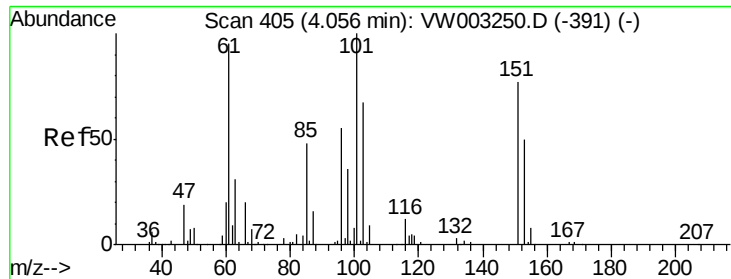


#8

Diethyl Ether
Concen: 20.849 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 74 Resp: 22604
Ion Ratio Lower Upper
74 100
45 104.1 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.824 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

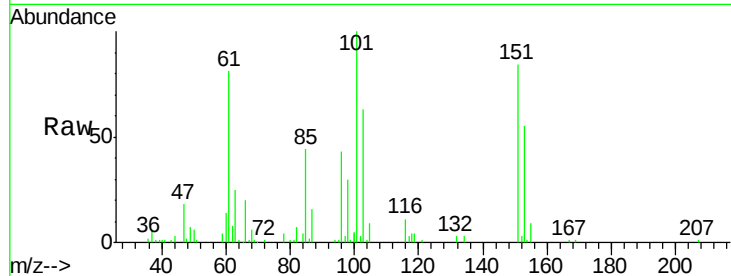
Tot Ion:101 Resp: 44726

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

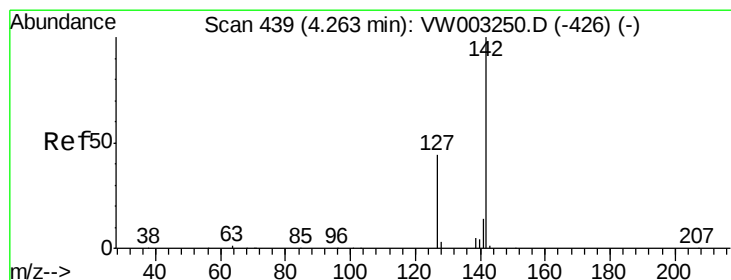
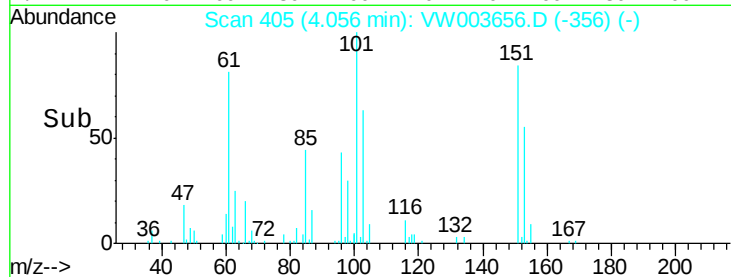
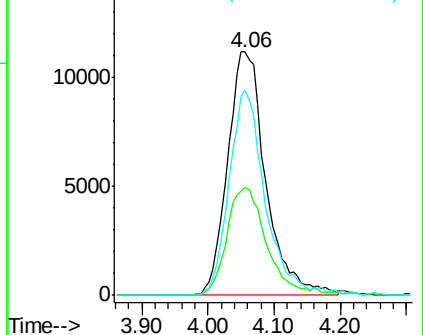
151 77.9 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.650 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

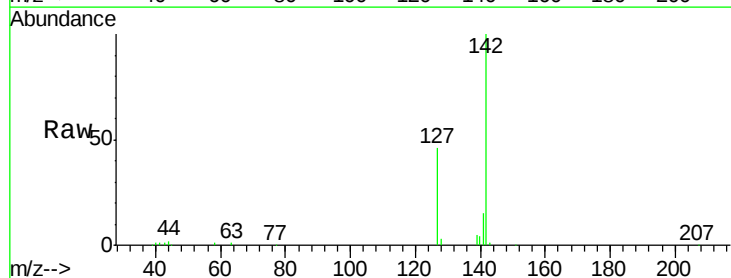
Tgt Ion:142 Resp: 64000

Ion Ratio Lower Upper

142 100

127 46.4 36.5 54.7

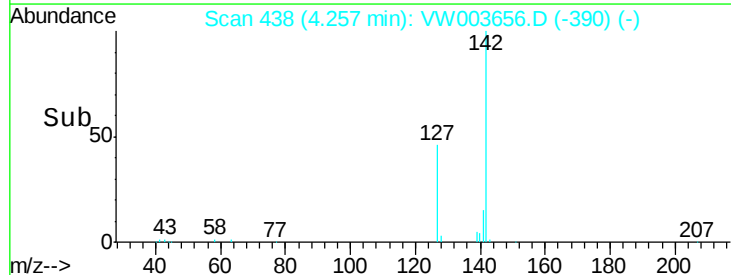
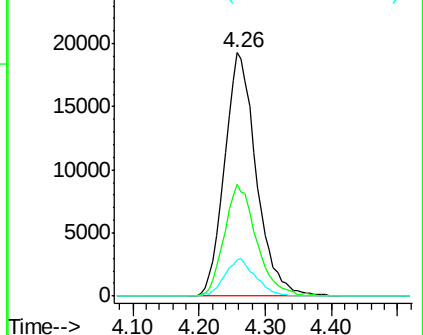
141 14.9 12.1 18.1

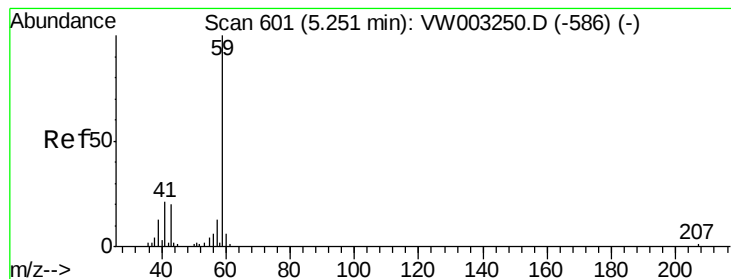


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



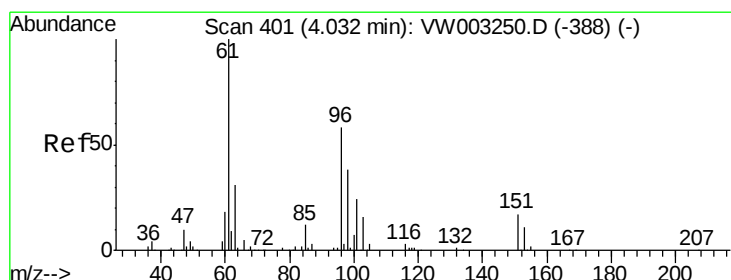
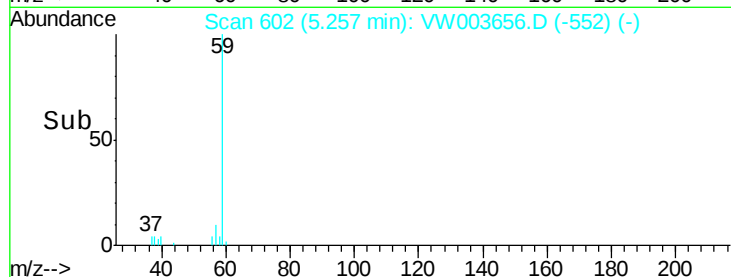
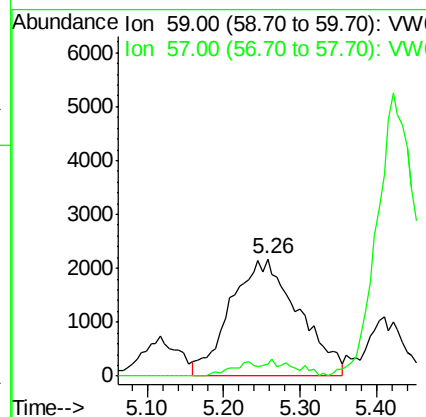
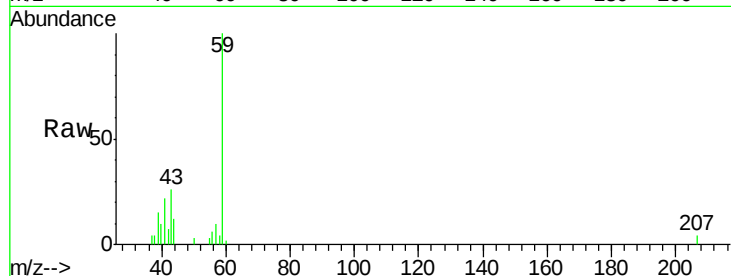


#11

Tert butyl alcohol
Concen: 104.042 ug/l
RT: 5.26 min Scan# 602
Delta R.T. 0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampled :

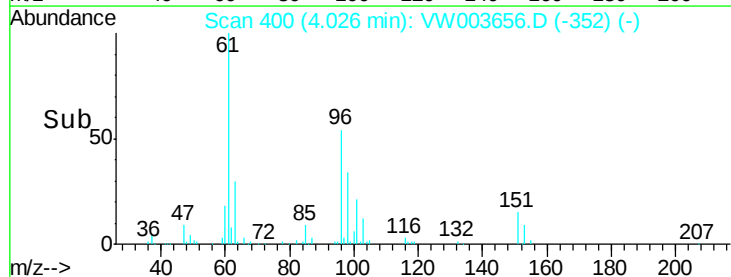
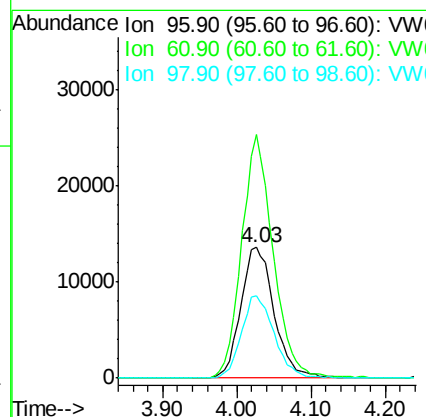
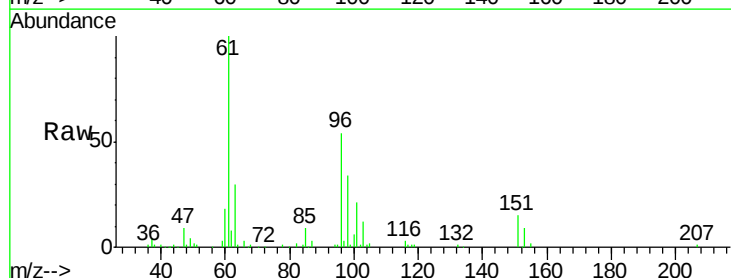
Tot Ion: 59 Resp: 13371
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

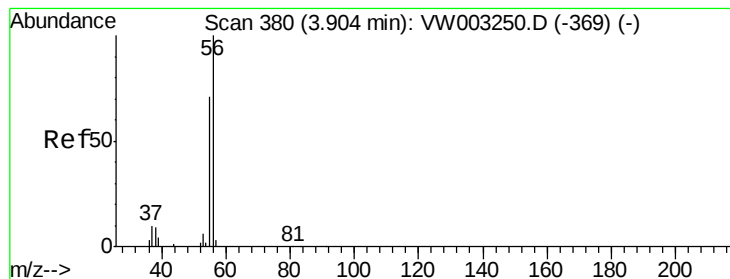


#12

1,1-Dichloroethene
Concen: 21.363 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 96 Resp: 42783
Ion Ratio Lower Upper
96 100
61 186.4 139.0 208.4
98 63.2 53.3 79.9





#13

Acrolein

Concen: 61.156 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

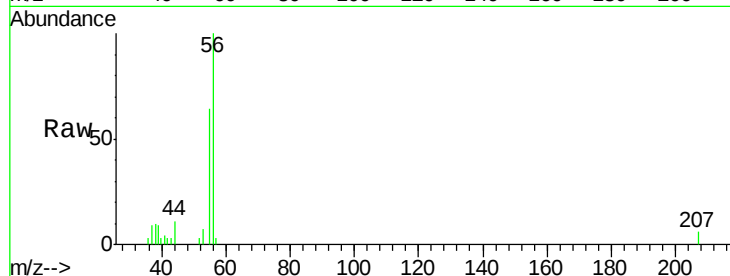
ClientSampleId :

Tot Ion: 56 Resp: 11237

Ion Ratio Lower Upper

56 100

55 70.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

4000

3000

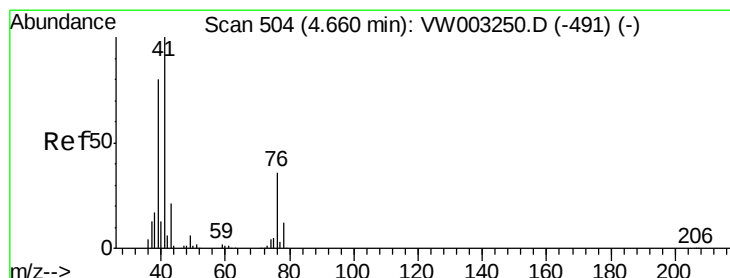
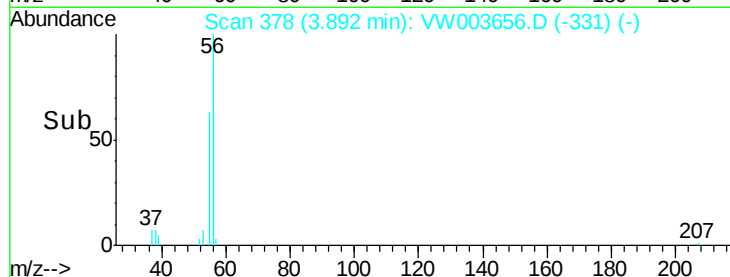
2000

1000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.811 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

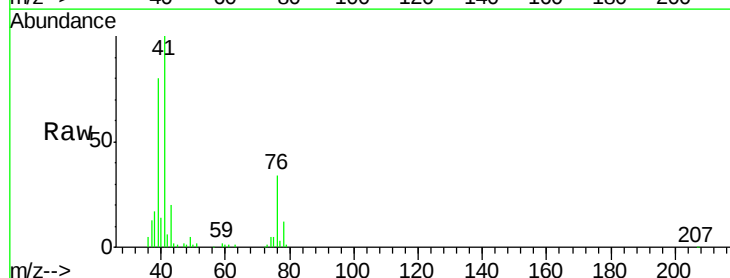
Tgt Ion: 41 Resp: 72195

Ion Ratio Lower Upper

41 100

39 77.9 63.2 94.8

76 35.2 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

30000

25000

20000

15000

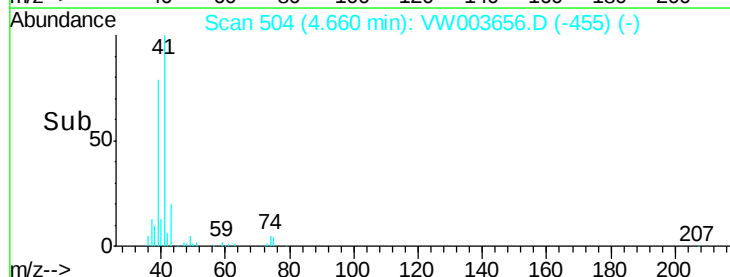
10000

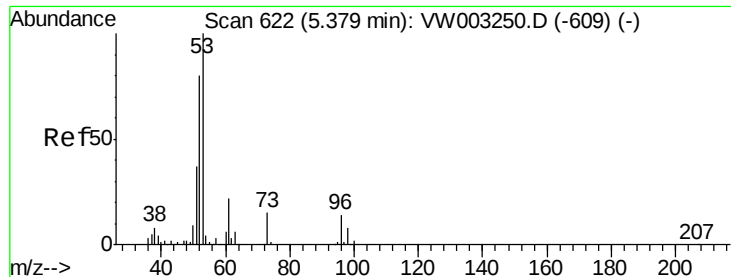
5000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 105.995 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

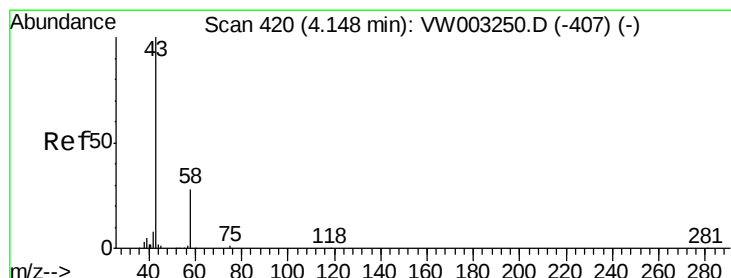
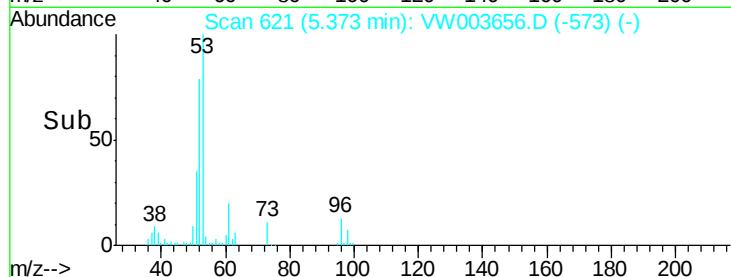
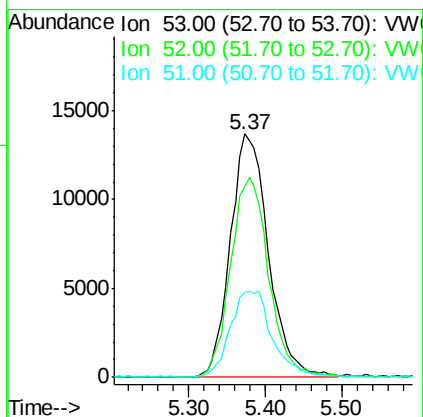
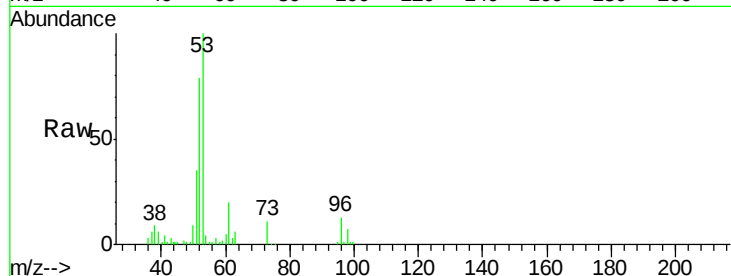
Tot Ion: 53 Resp: 47280

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

51 39.1 30.6 46.0



#16

Acetone

Concen: 109.204 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003656.D

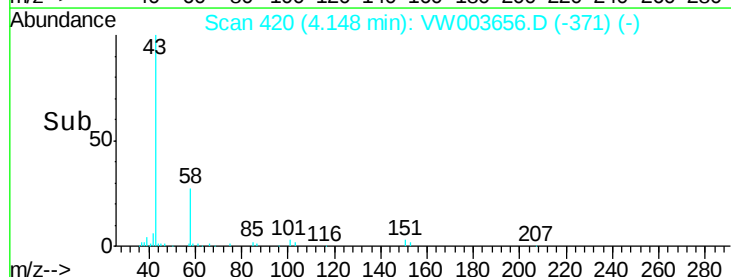
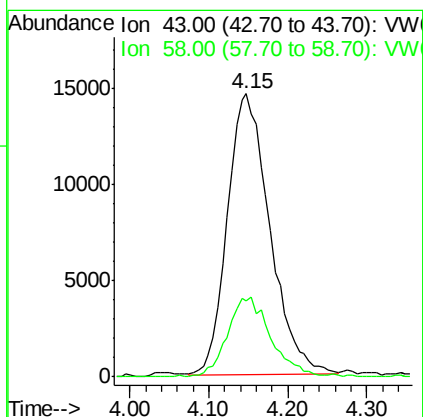
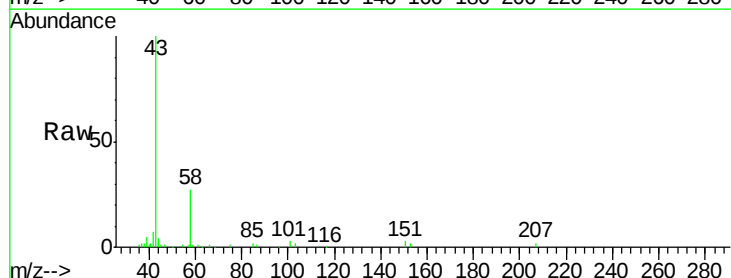
Acq: 29 Jun 2018 13:23

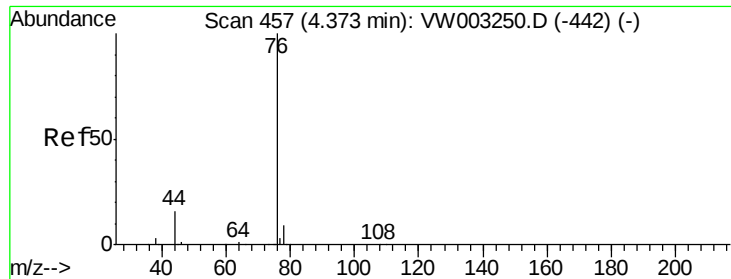
Tgt Ion: 43 Resp: 54883

Ion Ratio Lower Upper

43 100

58 27.3 22.6 34.0

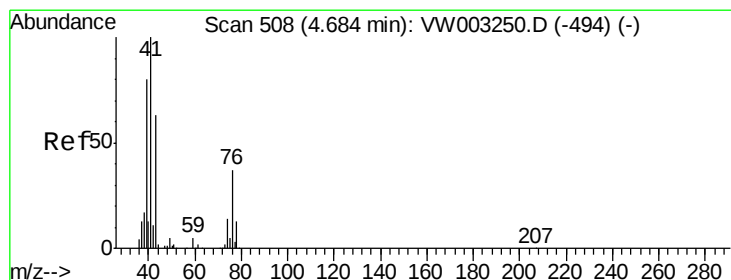
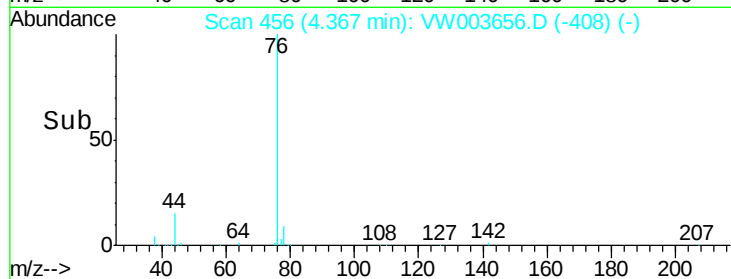
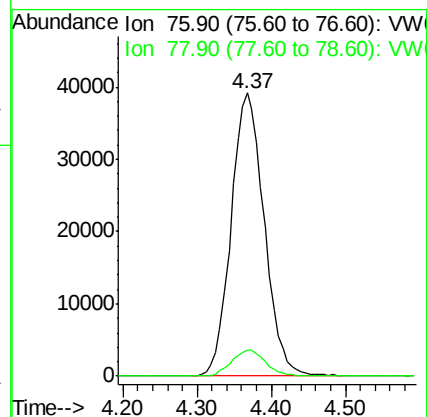
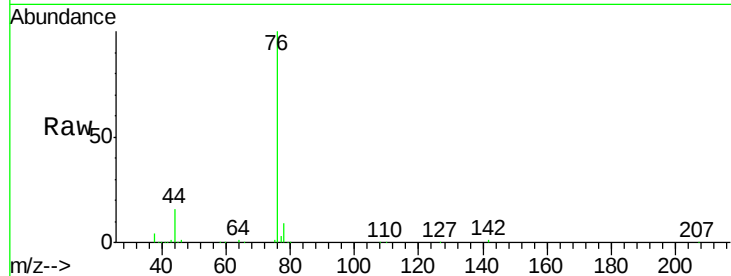




#17
Carbon Disulfide
Concen: 20.537 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

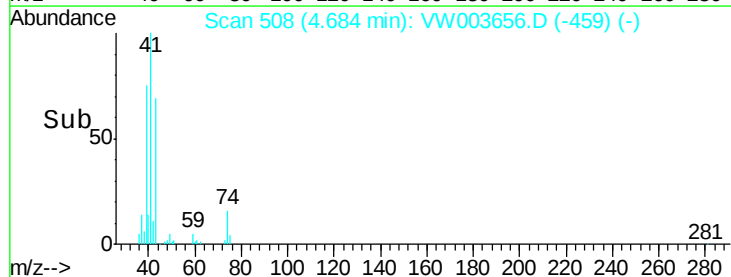
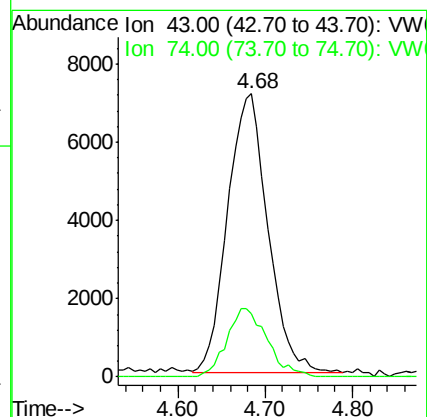
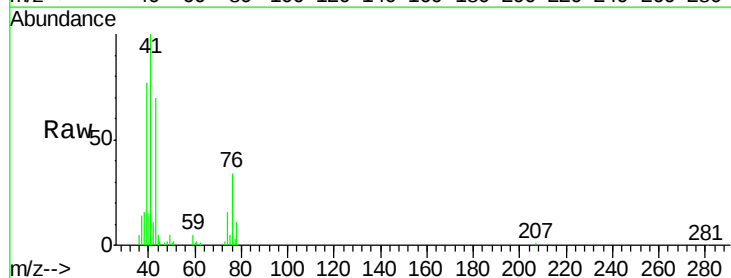
Instrument :
MSVOA_W
ClientSampleId :

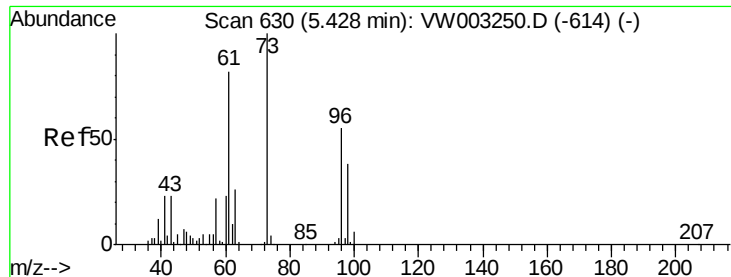
Tot Ion: 76 Resp: 121592
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 19.081 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 43 Resp: 22749
Ion Ratio Lower Upper
43 100
74 24.8 18.7 28.1



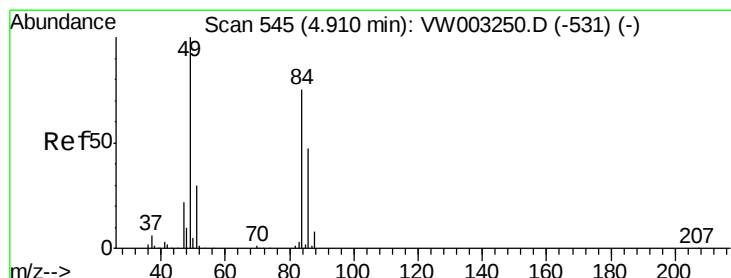
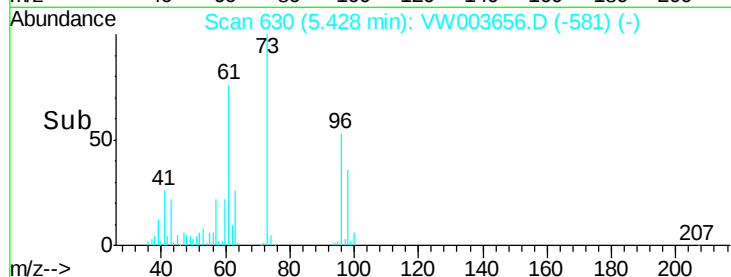
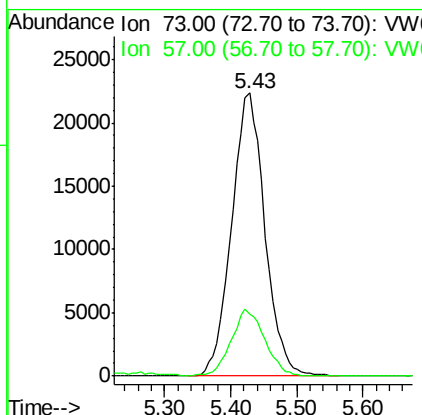
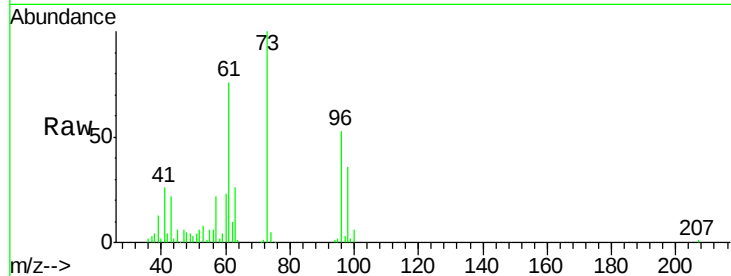


#19

Methyl tert-butyl Ether
 Concen: 20.746 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Instrument :
 MSVOA_W
 ClientSampled :

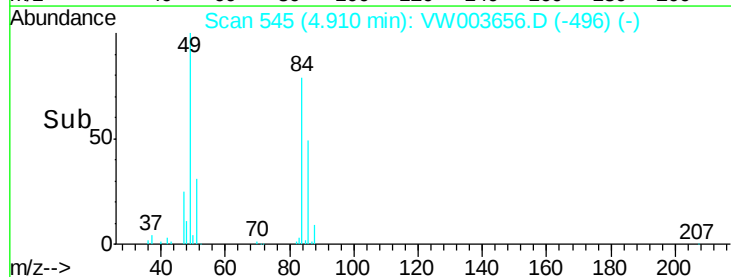
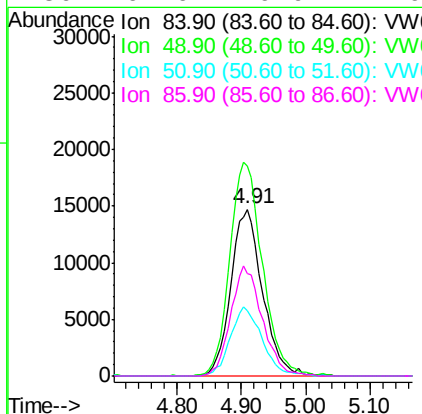
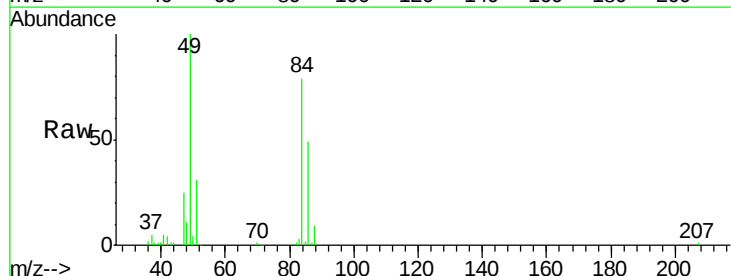
Tot Ion: 73 Resp: 77818
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.0 27.0

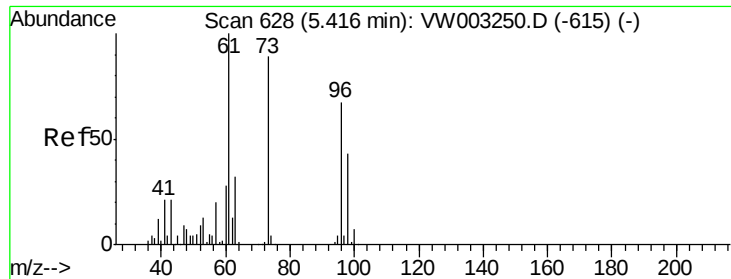


#20

Methylene Chloride
 Concen: 21.528 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion: 84 Resp: 50422
 Ion Ratio Lower Upper
 84 100
 49 126.4 106.3 159.5
 51 39.5 32.0 48.0
 86 61.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.317 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

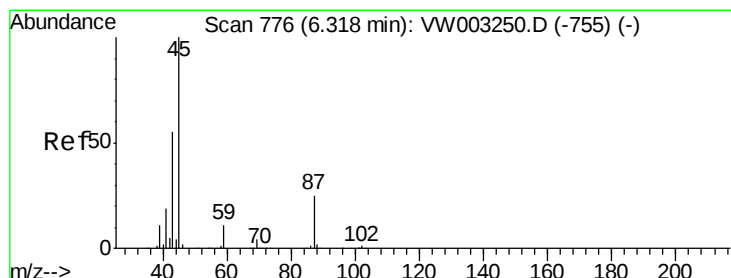
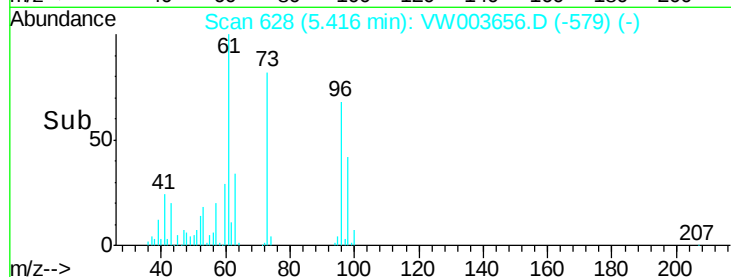
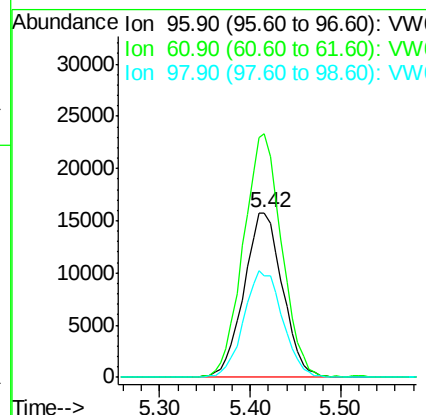
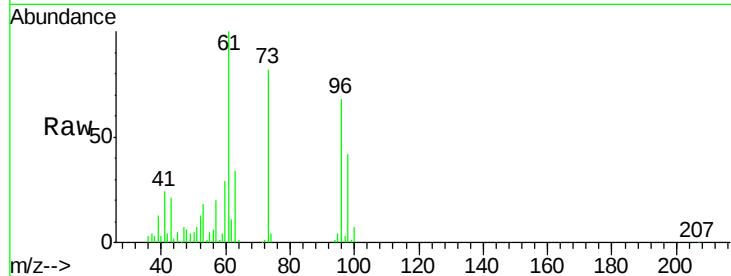
Tot Ion: 96 Resp: 46462

Ion Ratio Lower Upper

96 100

61 147.8 118.7 178.1

98 62.0 51.0 76.6



#22

Diisopropyl ether

Concen: 21.749 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Tgt Ion: 45 Resp: 151848

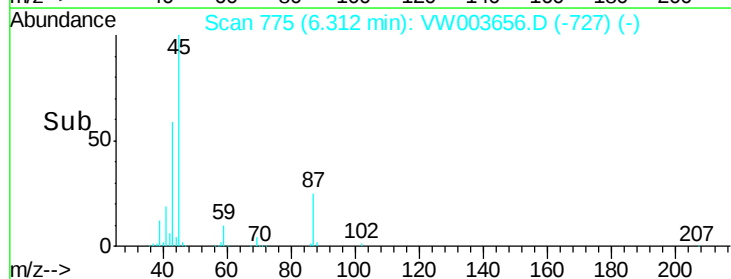
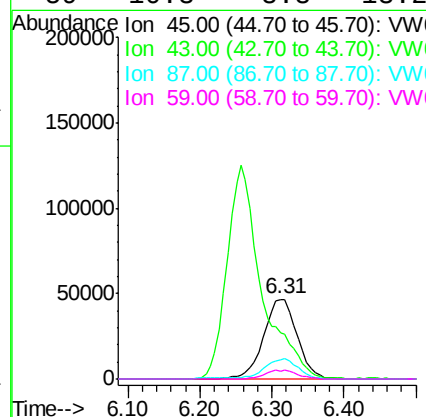
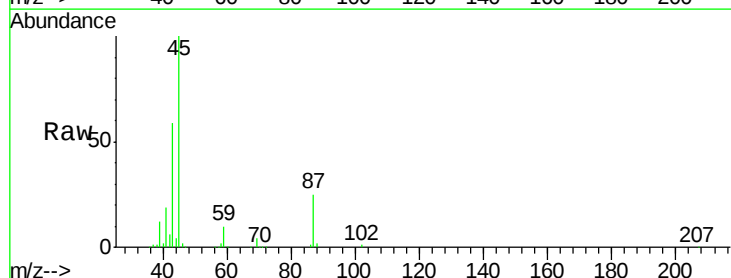
Ion Ratio Lower Upper

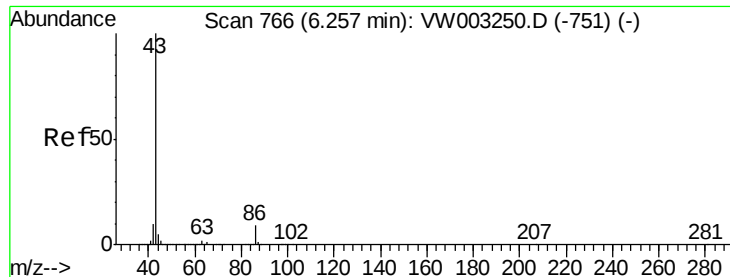
45 100

43 58.6 44.0 66.0

87 24.8 20.6 31.0

59 10.3 8.8 13.2





#23

Vinyl Acetate

Concen: 104.328 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

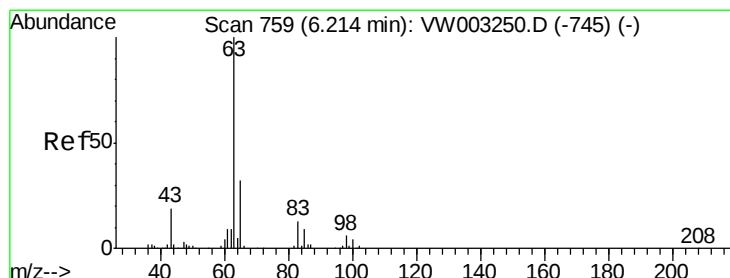
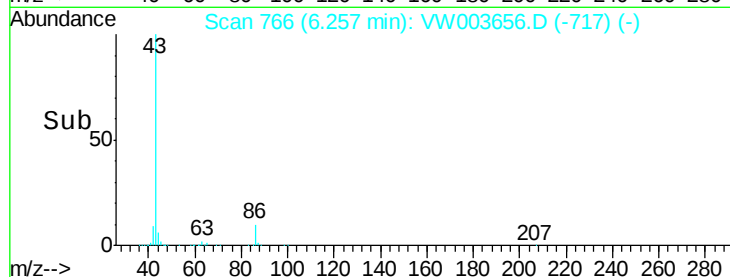
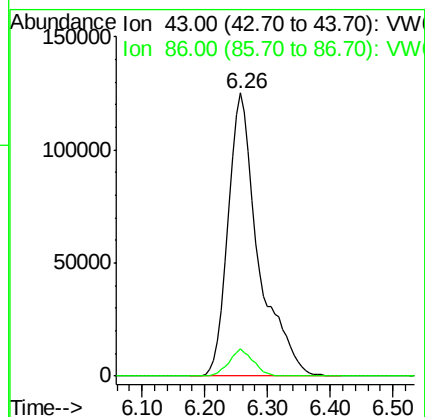
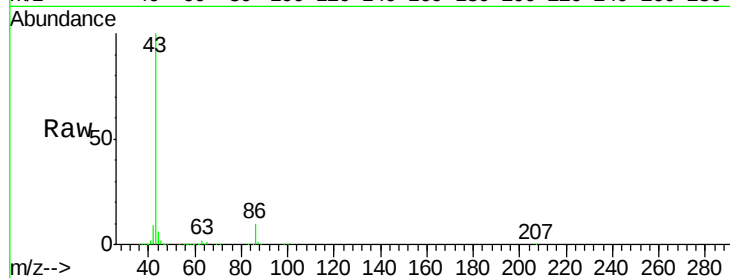
ClientSampled :

Tot Ion: 43 Resp: 419744

Ion Ratio Lower Upper

43 100

86 9.7 7.5 11.3



#24

1,1-Dichloroethane

Concen: 21.902 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

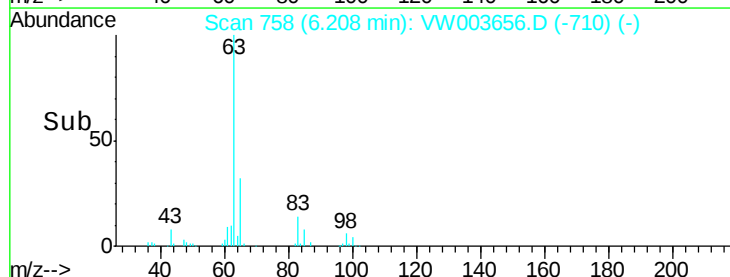
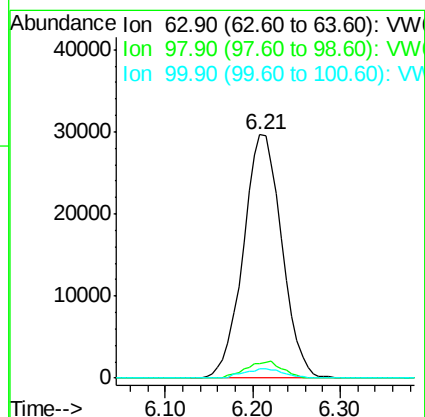
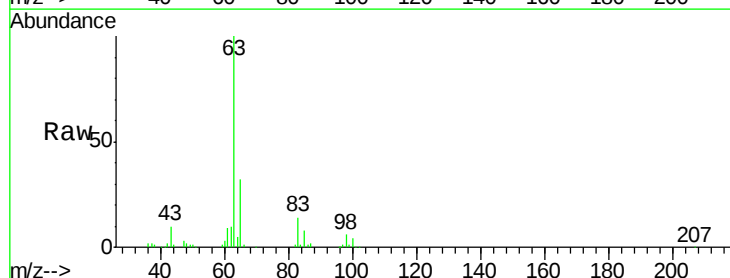
Tgt Ion: 63 Resp: 90779

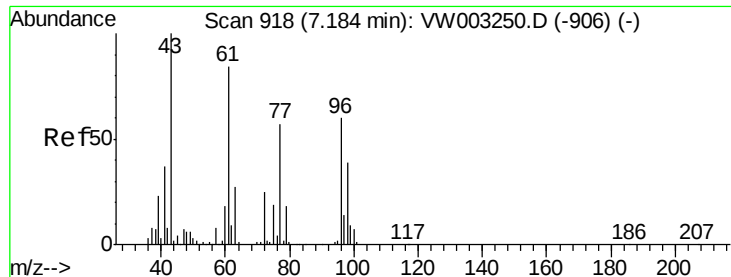
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 108.357 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

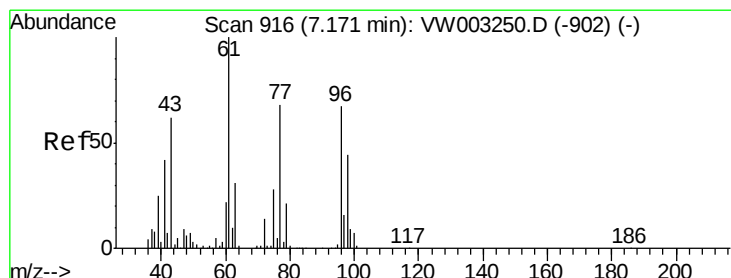
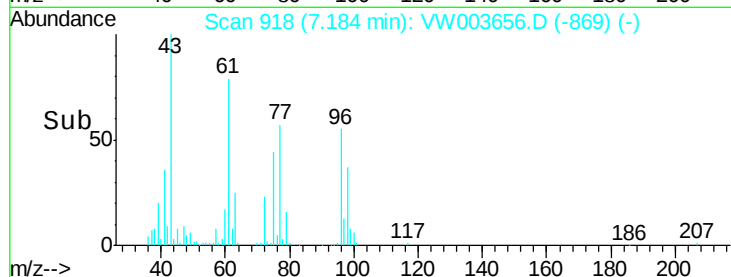
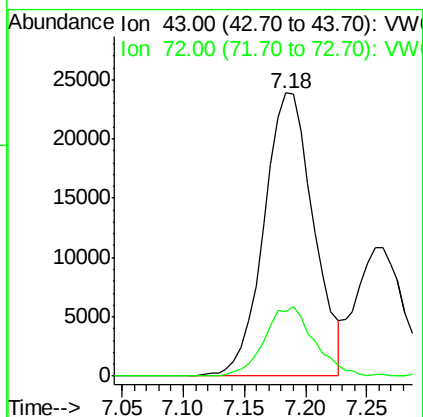
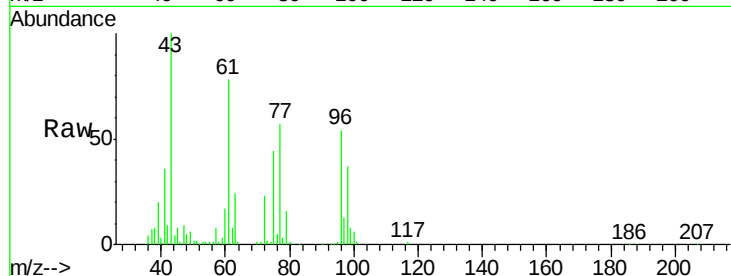
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 67716

Ion Ratio Lower Upper

43 100

72 22.8 20.3 30.5



#26

2,2-Dichloropropane

Concen: 21.692 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003656.D

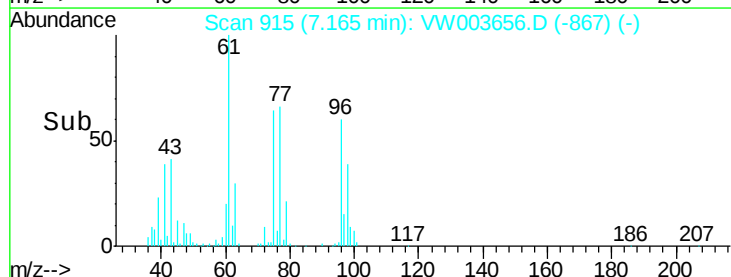
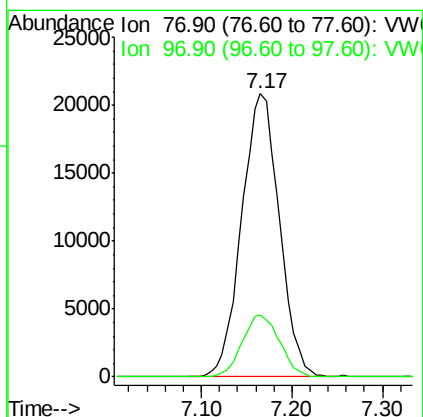
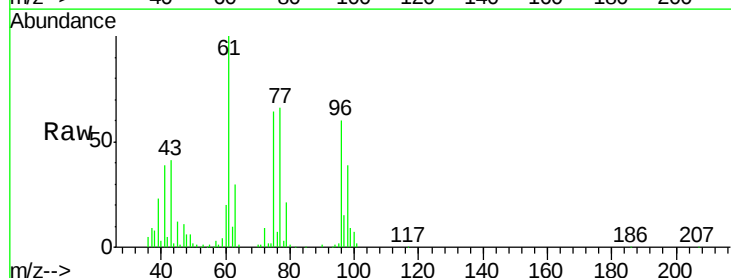
Acq: 29 Jun 2018 13:23

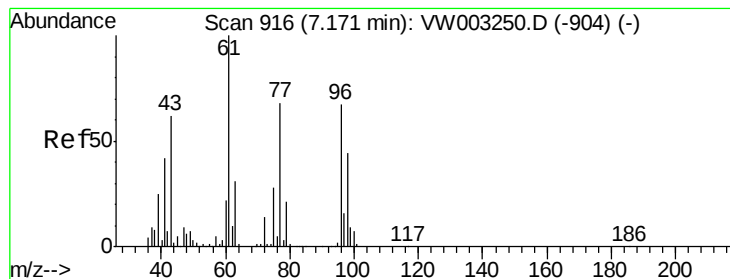
Tgt Ion: 77 Resp: 60004

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.9



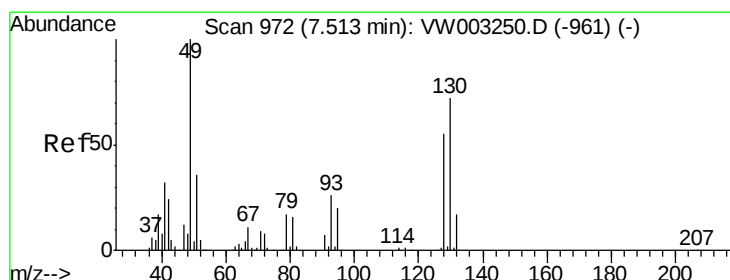
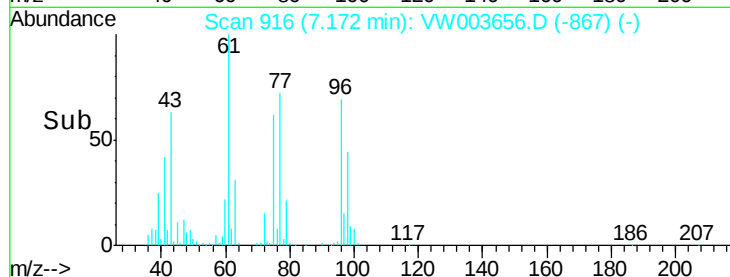
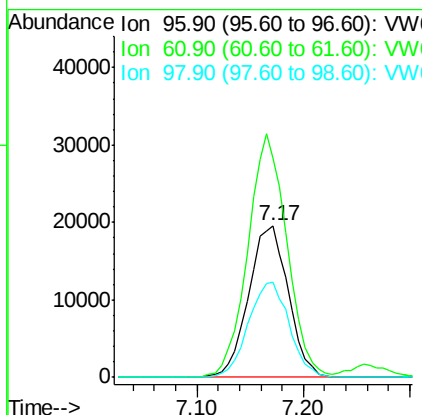
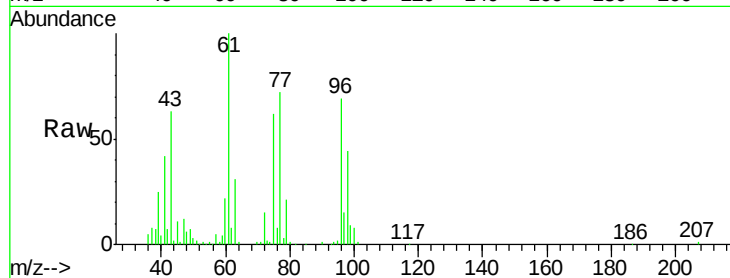


#27

cis-1,2-Dichloroethene
Concen: 21.410 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampled :

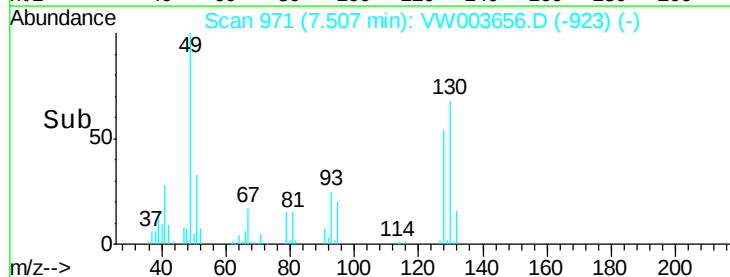
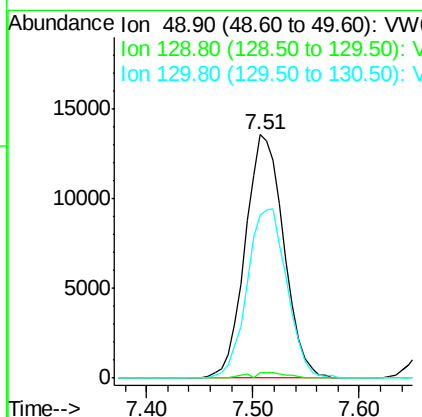
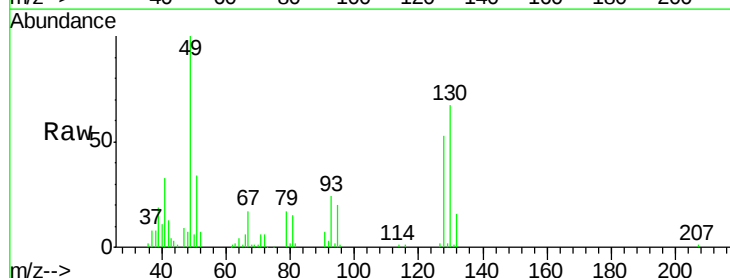
Tot Ion: 96 Resp: 51262
Ion Ratio Lower Upper
96 100
61 157.4 0.0 298.8
98 64.2 0.0 130.4

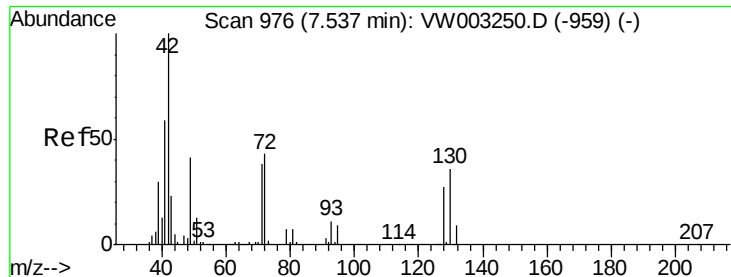


#28

Bromochloromethane
Concen: 19.967 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 49 Resp: 34439
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.6
130 71.7 59.4 89.2

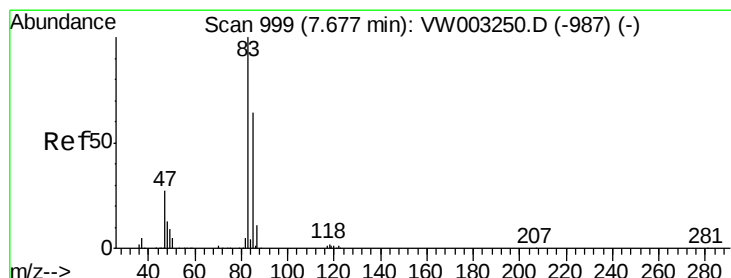
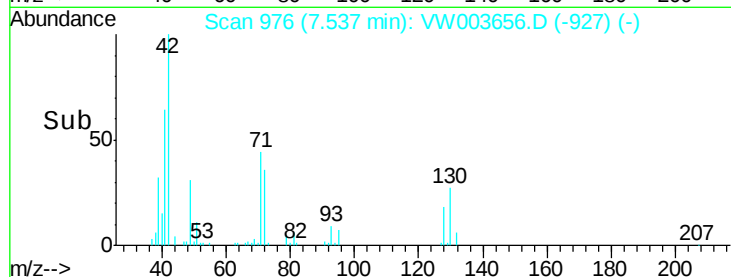
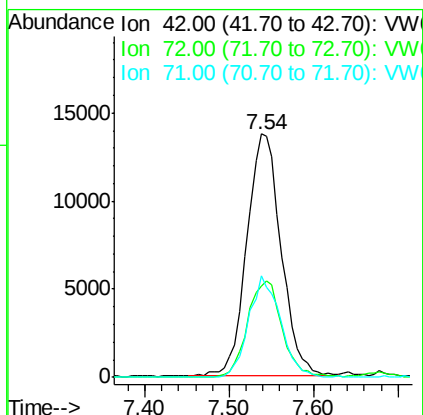
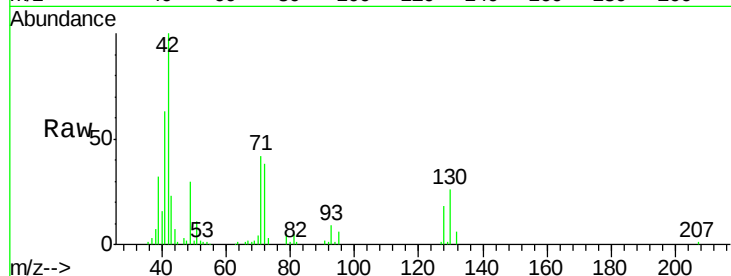




#29
Tetrahydrofuran
Concen: 99.817 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

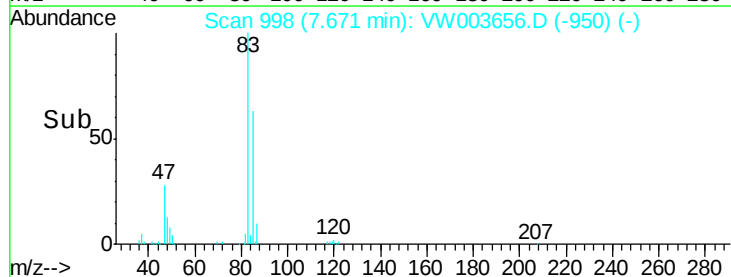
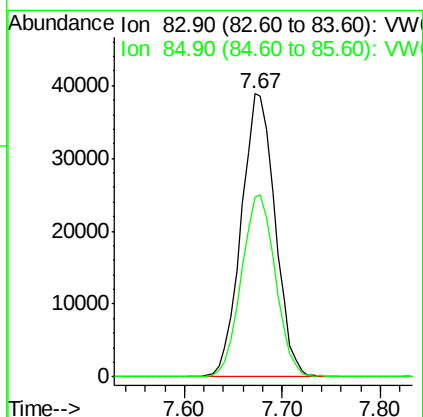
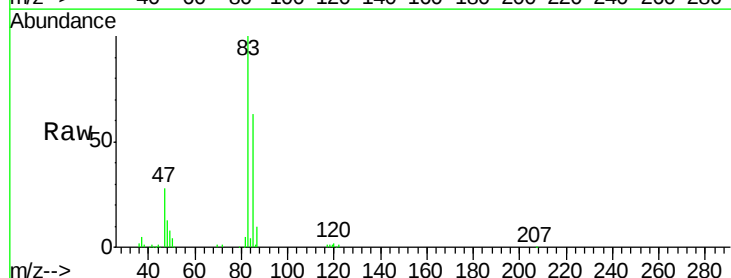
Instrument :
MSVOA_W
ClientSampled :

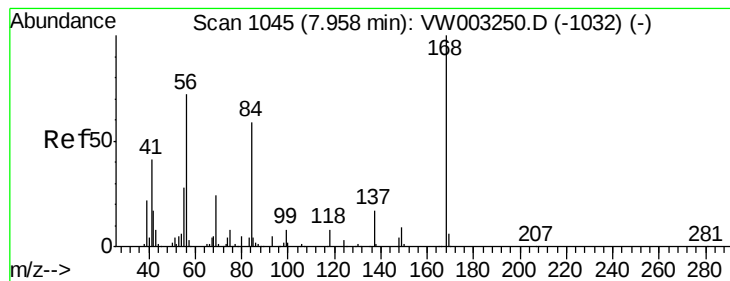
Tot Ion: 42 Resp: 38124
Ion Ratio Lower Upper
42 100
72 40.1 32.4 48.6
71 38.5 31.2 46.8



#30
Chloroform
Concen: 22.135 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 83 Resp: 93466
Ion Ratio Lower Upper
83 100
85 63.4 51.3 76.9





#31

Cyclohexane

Concen: 21.251 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

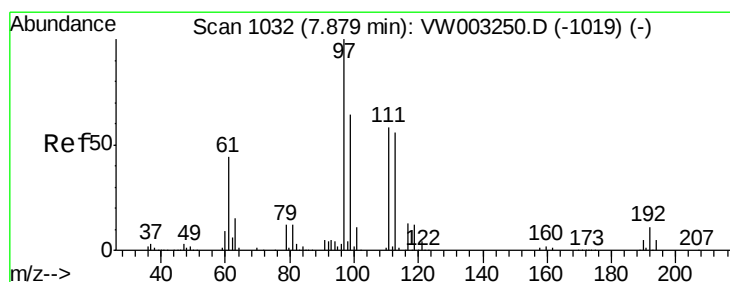
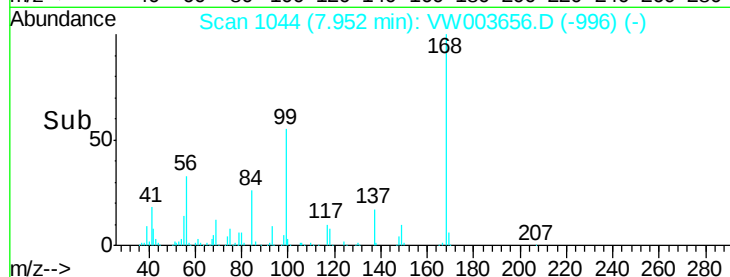
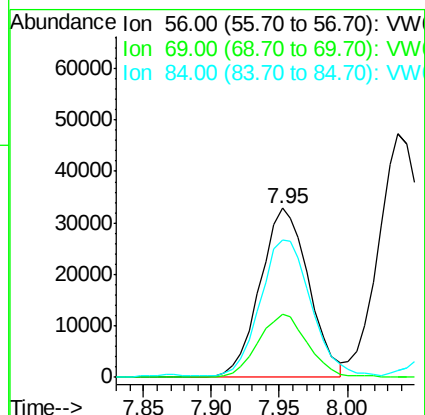
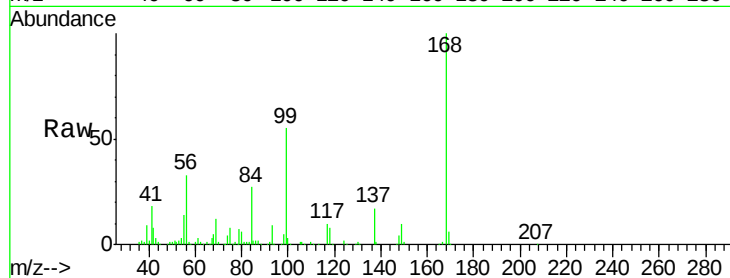
Tot Ion: 56 Resp: 82286

Ion Ratio Lower Upper

56 100

69 37.3 26.3 39.5

84 80.2 65.7 98.5



#32

1,1,1-Trichloroethane

Concen: 21.518 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

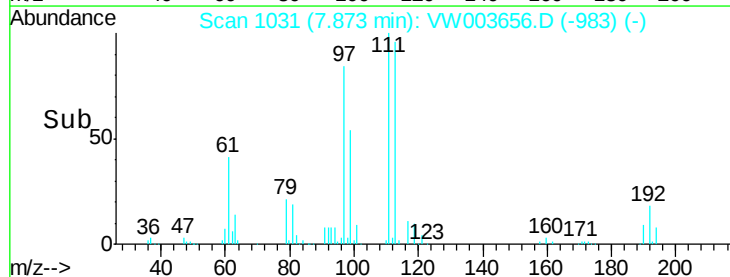
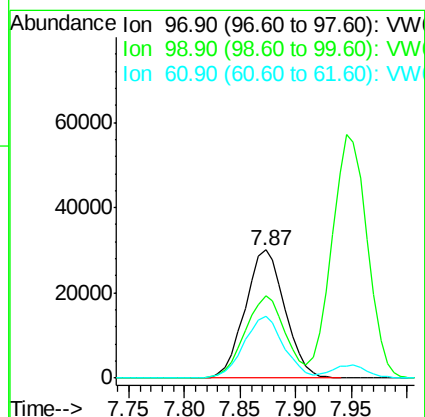
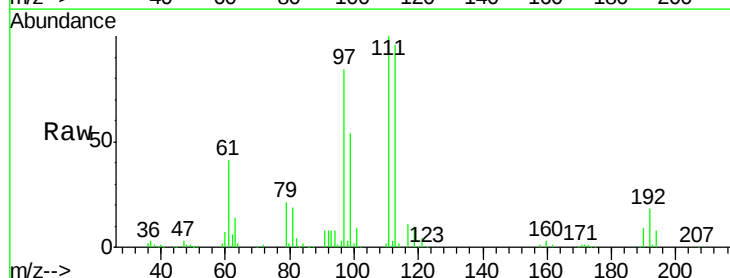
Tgt Ion: 97 Resp: 74999

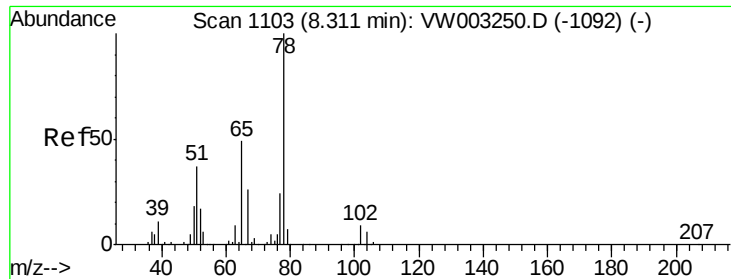
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 47.9 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 51.479 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

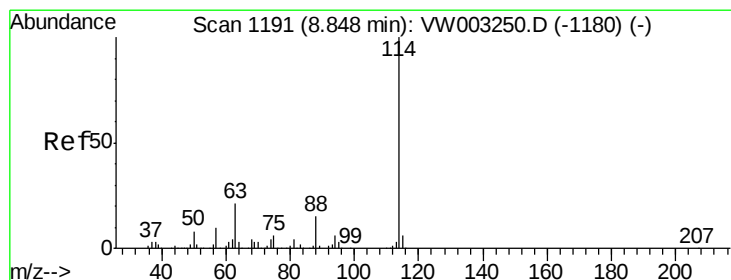
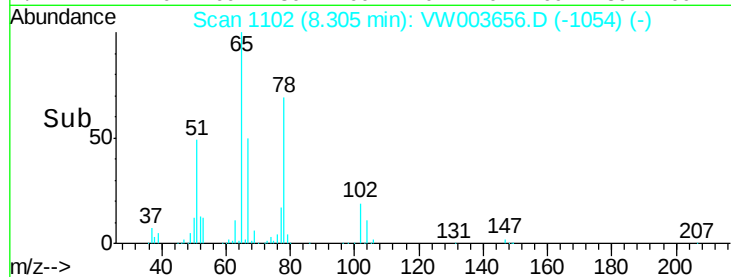
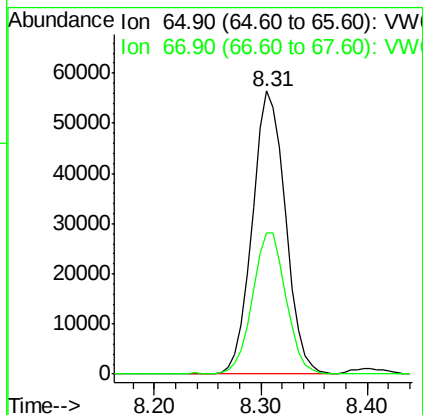
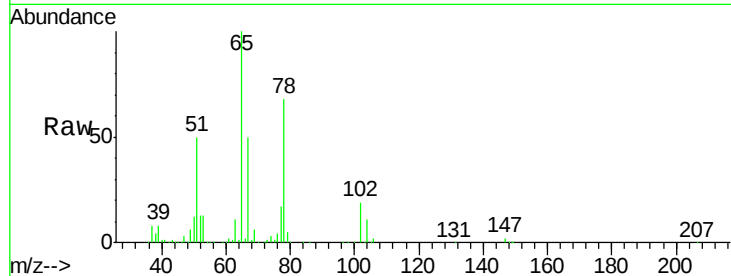
ClientSampled :

Tot Ion: 65 Resp: 123358

Ion Ratio Lower Upper

65 100

67 50.6 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: VW003656.D

Acq: 29 Jun 2018 13:23

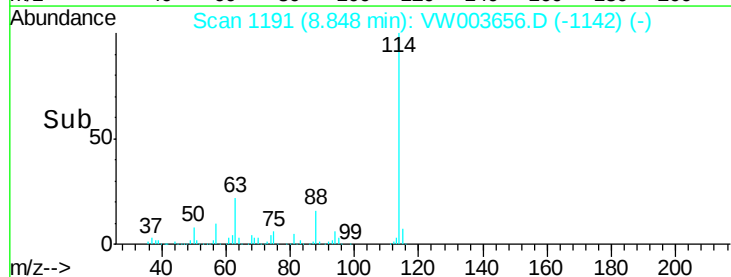
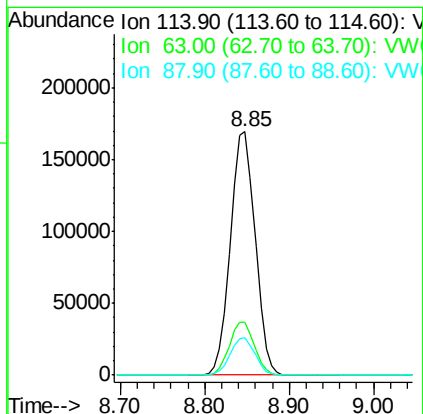
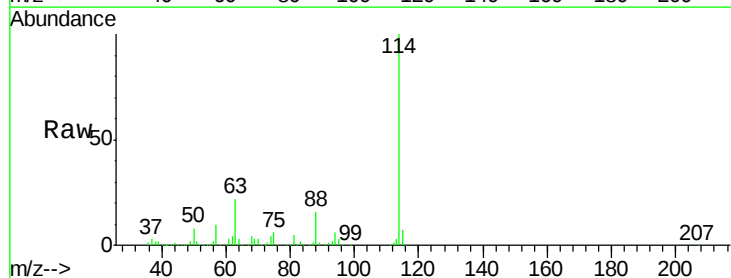
Tgt Ion: 114 Resp: 337849

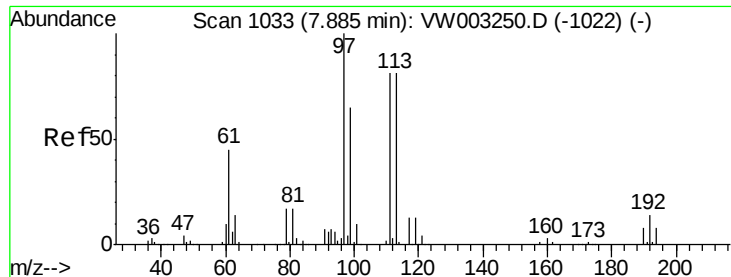
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 15.6 0.0 29.6

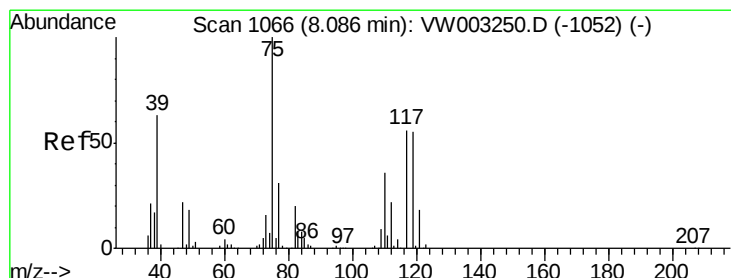
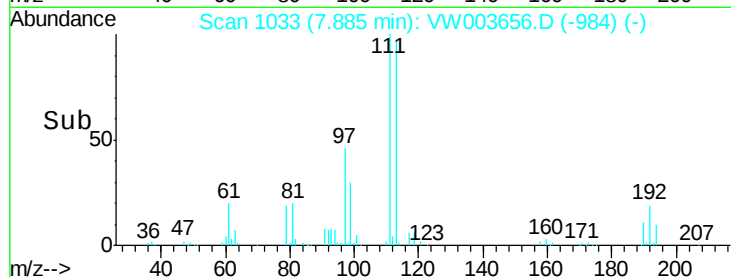
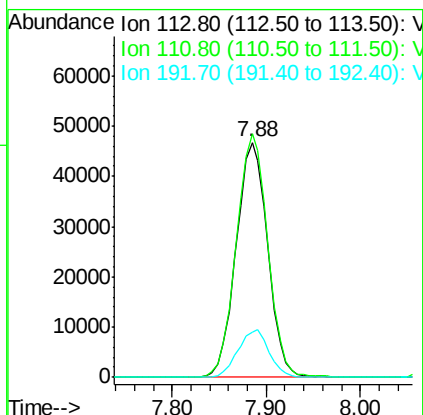
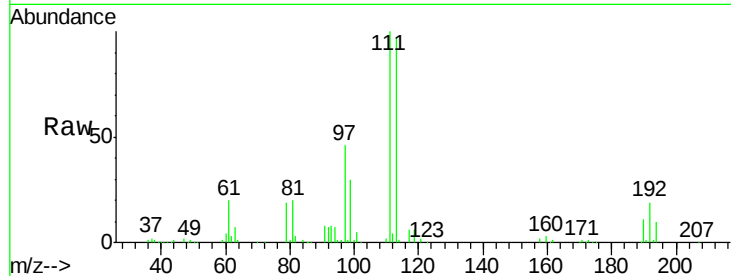




#35
 Dibromofluoromethane
 Concen: 52.131 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

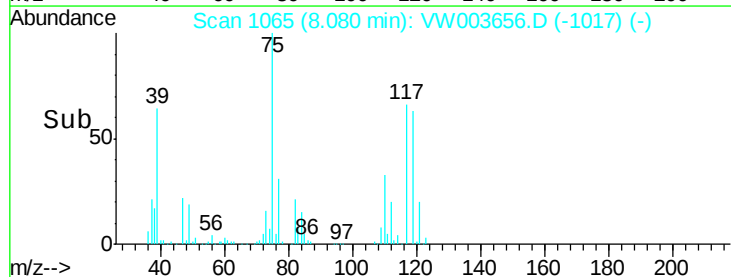
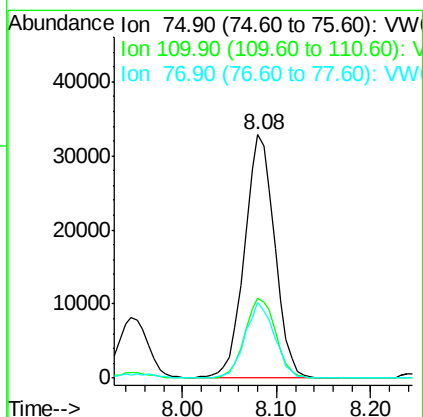
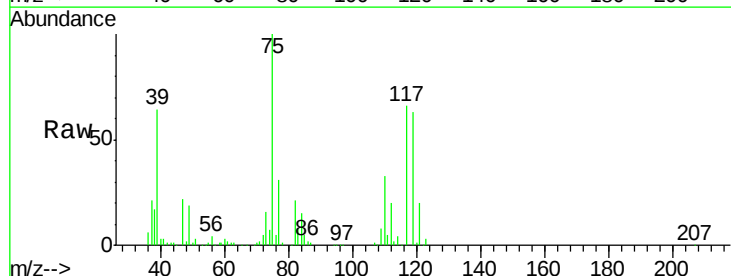
Instrument :
 MSVOA_W
 ClientSampleId :

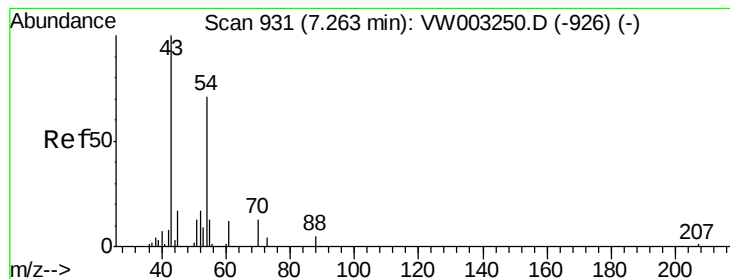
Tot Ion:113 Resp: 109438
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 22.439 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion: 75 Resp: 73214
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.1 51.3
 77 30.6 24.9 37.3





#37

Ethyl Acetate

Concen: 20.515 ug/l

RT: 7.26 min Scan# 930

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

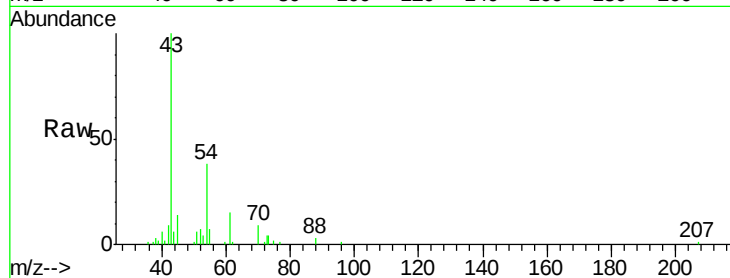
Tot Ion: 43 Resp: 27729

Ion Ratio Lower Upper

43 100

61 15.5 10.8 16.2

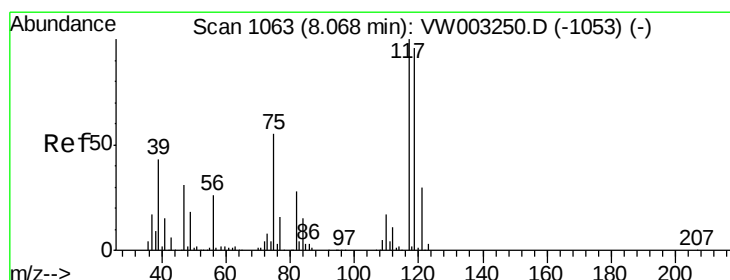
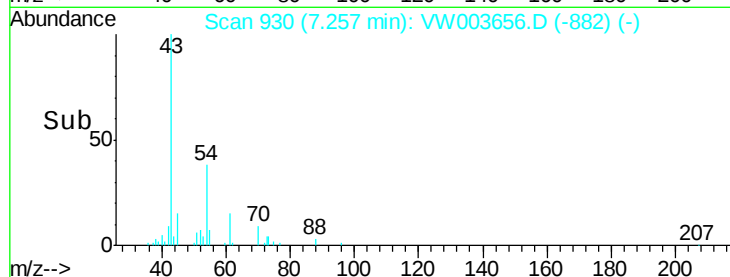
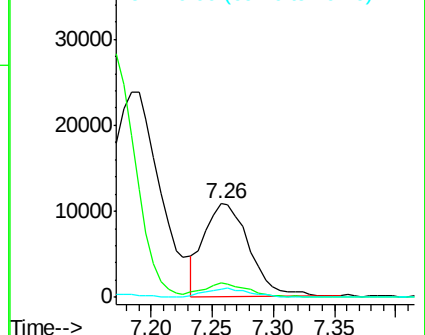
70 9.0 7.8 11.6



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: 22.693 ug/l

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

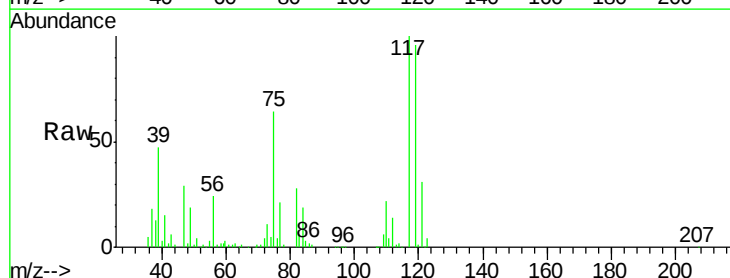
Tgt Ion: 117 Resp: 72628

Ion Ratio Lower Upper

117 100

119 95.9 76.6 115.0

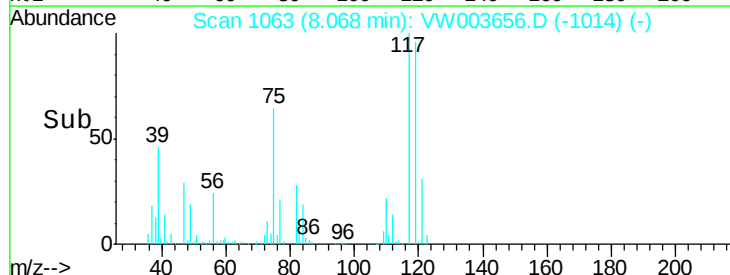
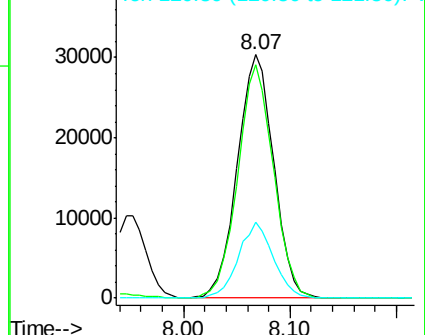
121 31.3 23.9 35.9

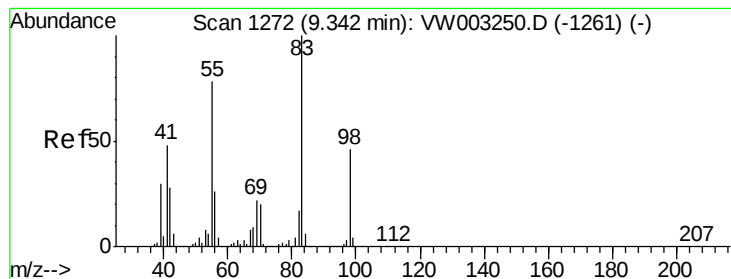


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

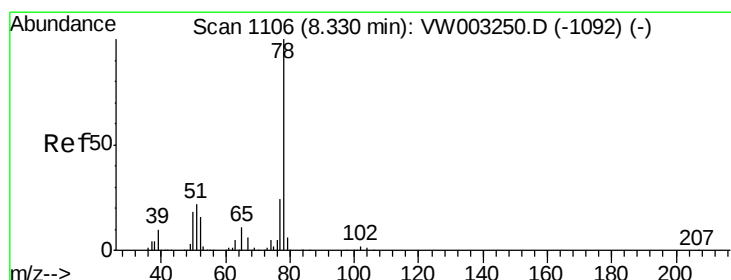
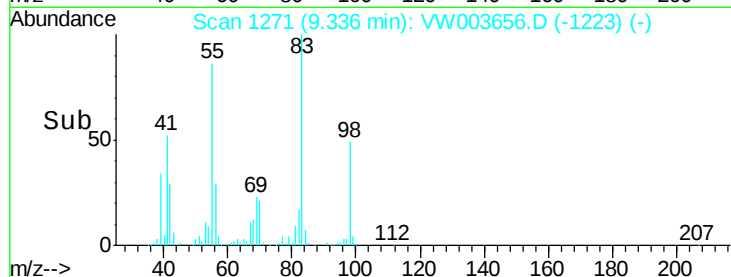
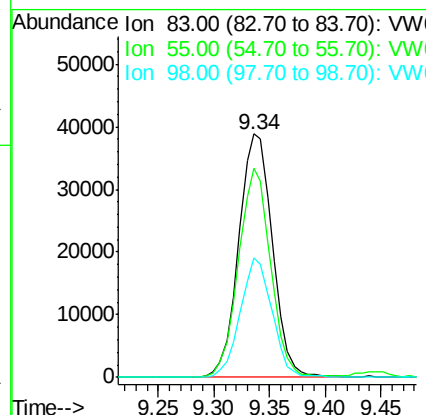
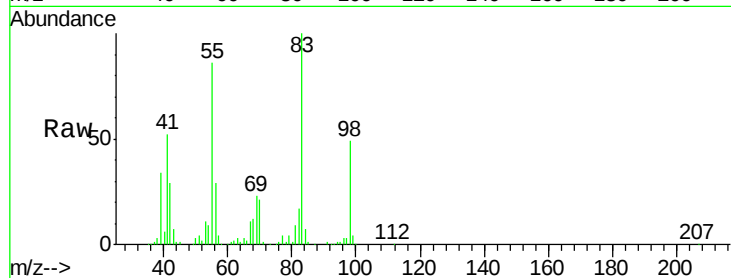




#39
Methvlcvclohexane
Concen: 21.572 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

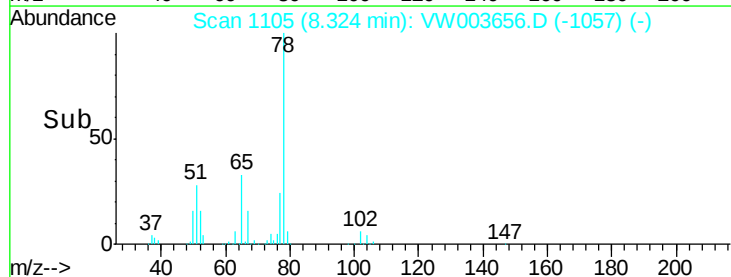
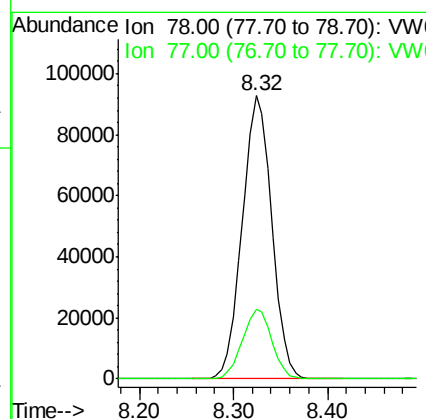
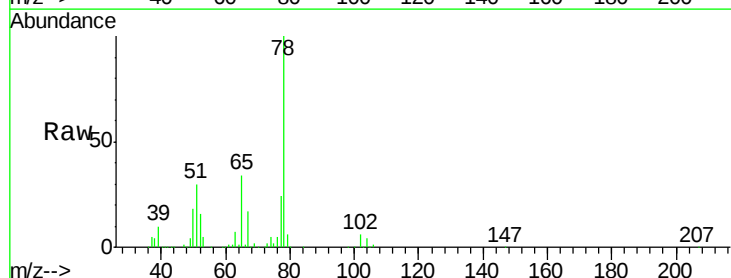
Instrument :
MSVOA_W
ClientSampled :

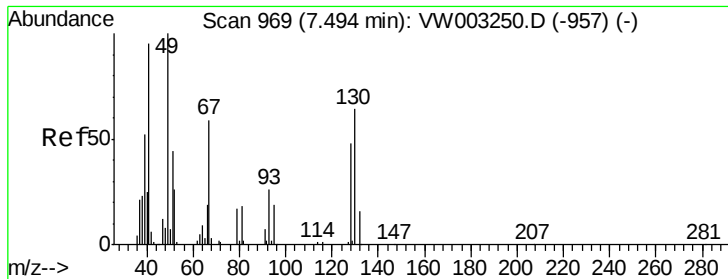
Tot Ion: 83 Resp: 81440
Ion Ratio Lower Upper
83 100
55 85.9 62.6 93.8
98 49.0 37.0 55.4



#40
Benzene
Concen: 22.551 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 78 Resp: 202818
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

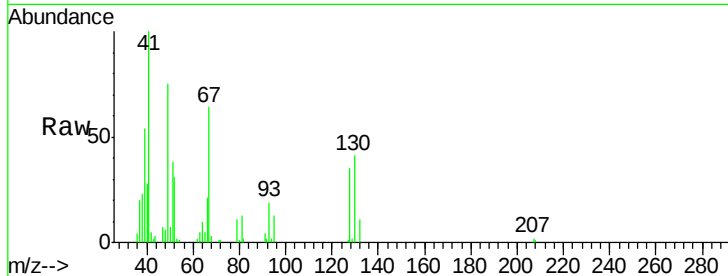




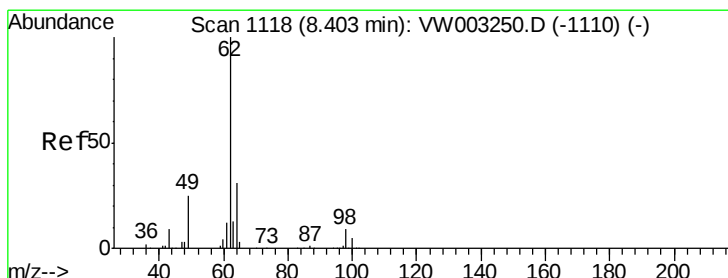
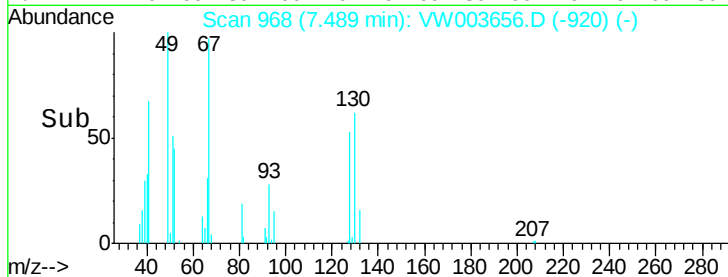
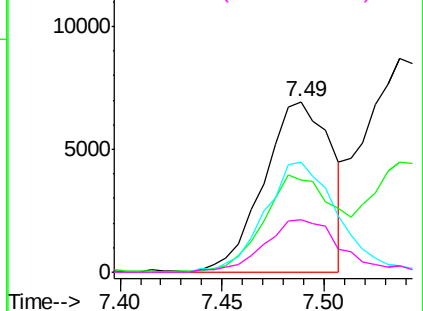
#41
Methacrylonitrile
Concen: 19.226 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	15947
Ion	Ratio	Lower	Upper
41	100		
39	61.4	45.8	68.8
67	70.5	52.3	78.5
52	35.5	24.1	36.1

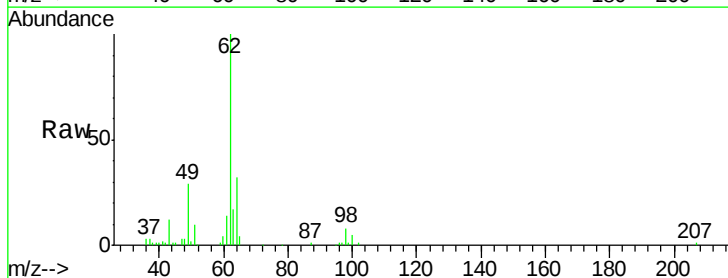


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

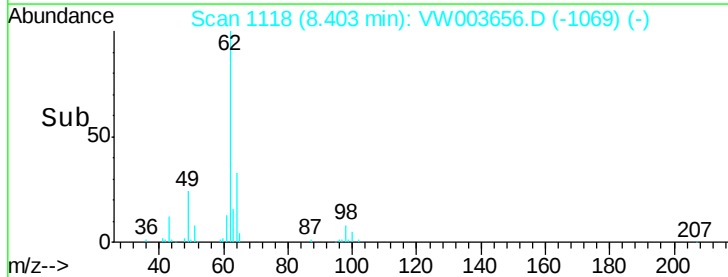
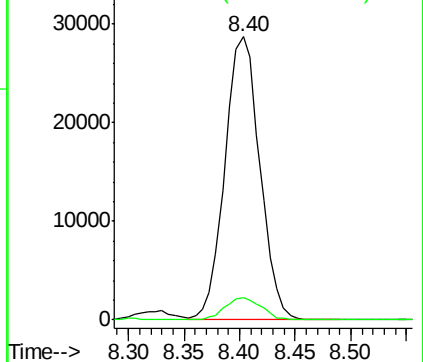


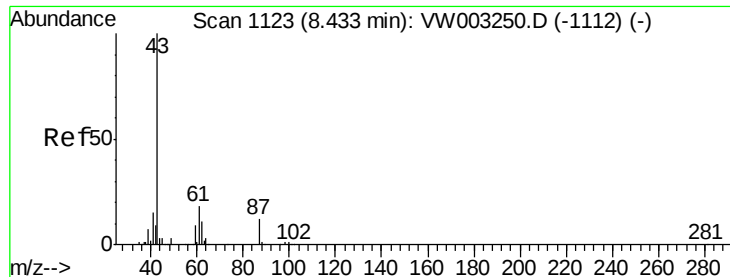
#42
1,2-Dichloroethane
Concen: 22.204 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion:	62	Resp:	62565
Ion	Ratio	Lower	Upper
62	100		
98	8.1	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: 20.364 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

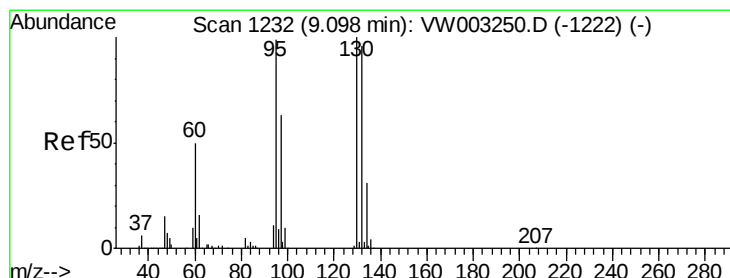
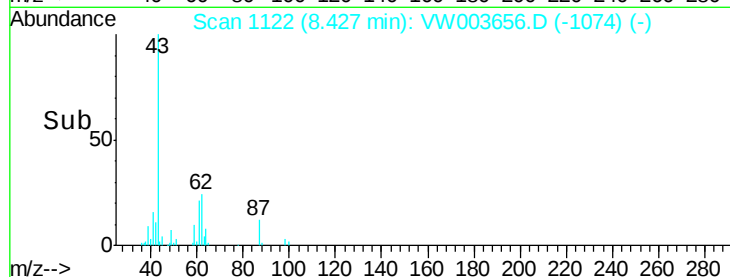
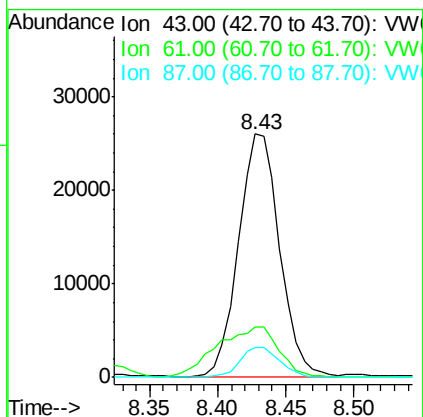
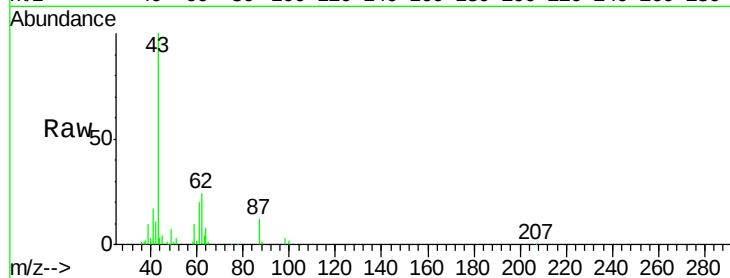
Tot Ion: 43 Resp: 54656

Ion Ratio Lower Upper

43 100

61 31.2 23.1 34.7

87 12.2 9.8 14.6



#44

Trichloroethene

Concen: 22.093 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003656.D

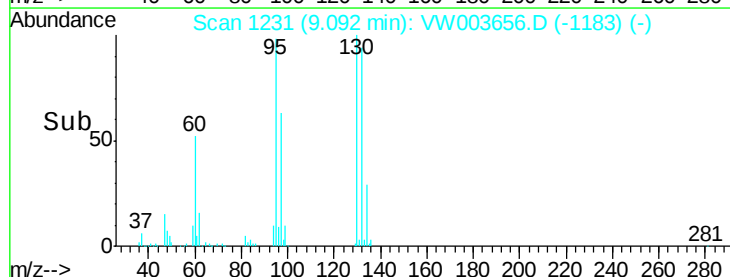
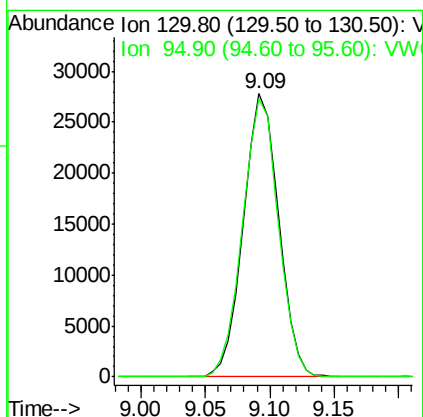
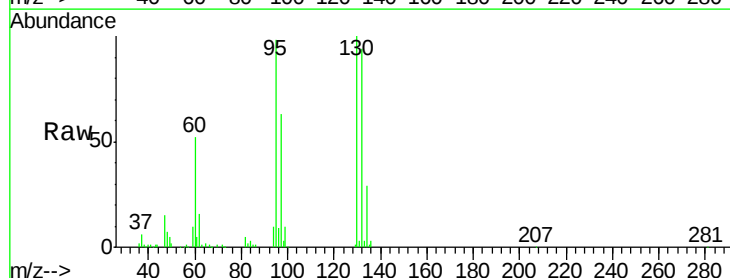
Acq: 29 Jun 2018 13:23

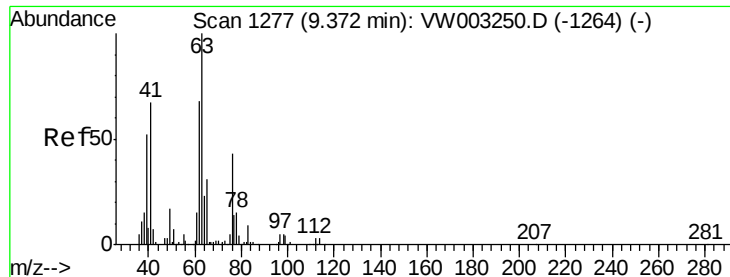
Tgt Ion: 130 Resp: 52650

Ion Ratio Lower Upper

130 100

95 98.1 0.0 198.0





#45

1,2-Dichloropropane

Concen: 22.585 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

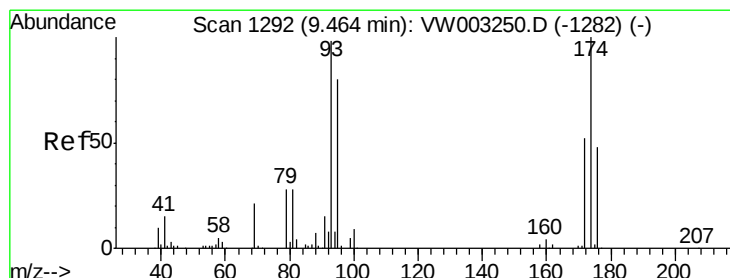
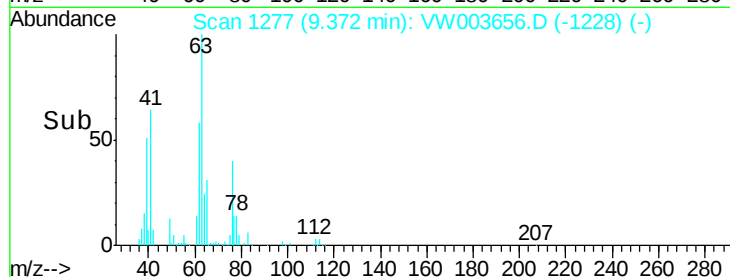
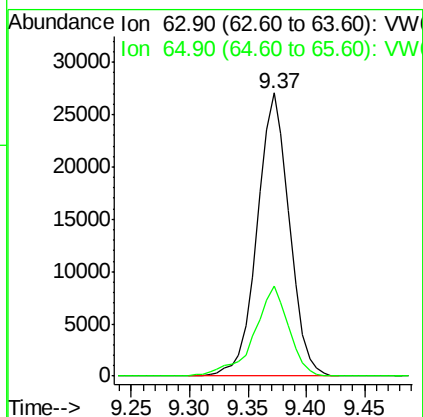
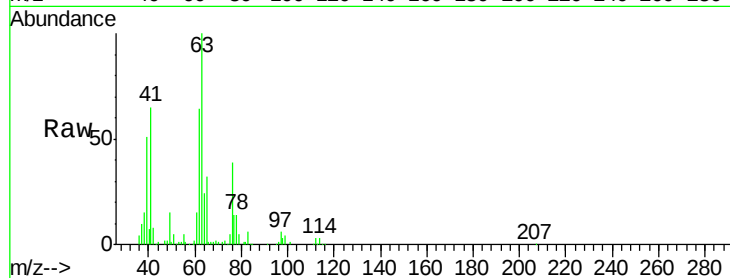
ClientSampleId :

Tot Ion: 63 Resp: 51718

Ion Ratio Lower Upper

63 100

65 31.8 25.1 37.7



#46

Dibromomethane

Concen: 21.862 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

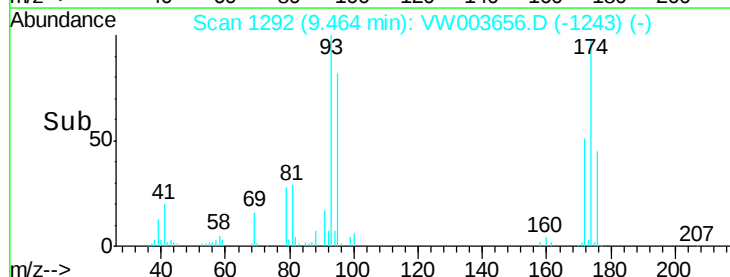
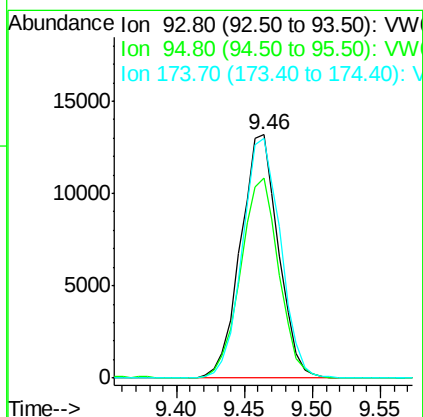
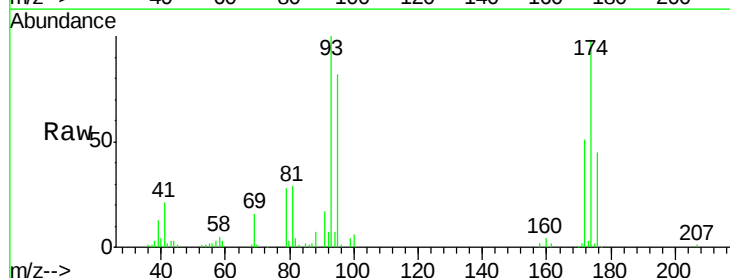
Tgt Ion: 93 Resp: 25630

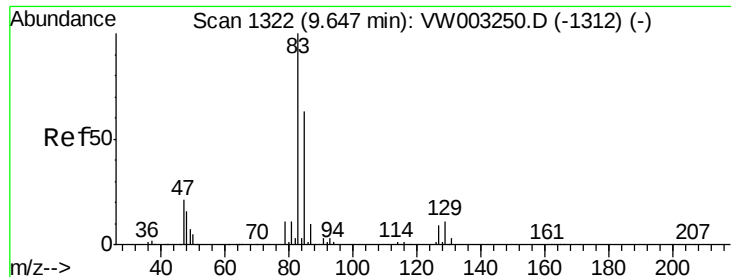
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.8

174 99.6 81.4 122.0





#47

Bromodichloromethane

Concen: 22.223 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampled :

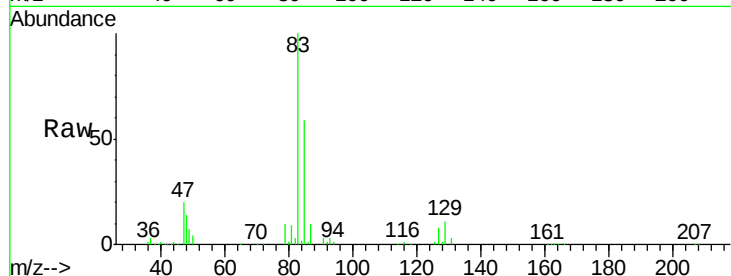
Tot Ion: 83 Resp: 66784

Ion Ratio Lower Upper

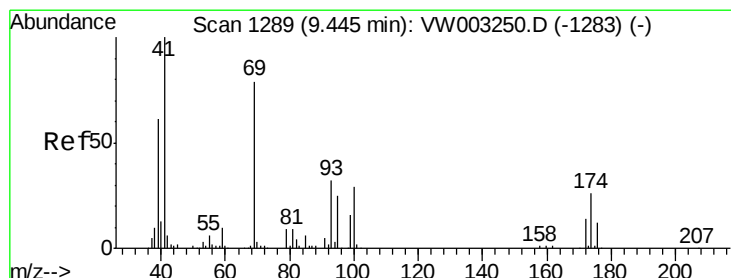
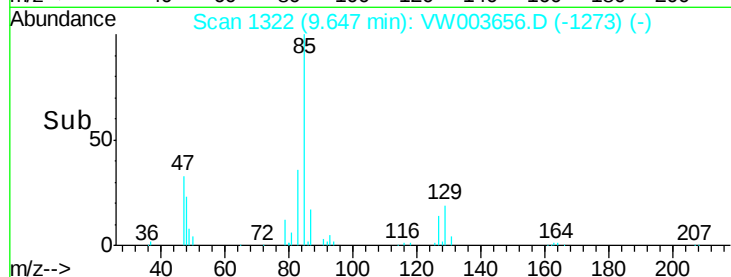
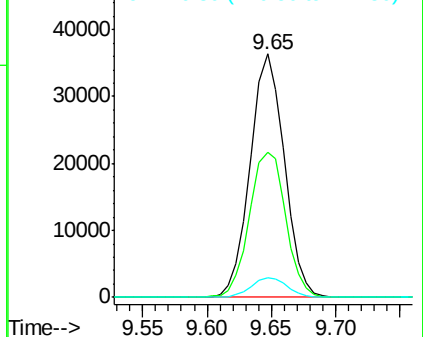
83 100

85 59.5 50.6 75.8

127 8.2 6.8 10.2



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



#48

Methyl methacrylate

Concen: 20.543 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

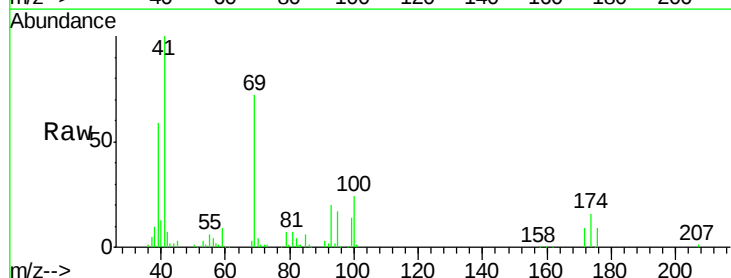
Tgt Ion: 41 Resp: 25911

Ion Ratio Lower Upper

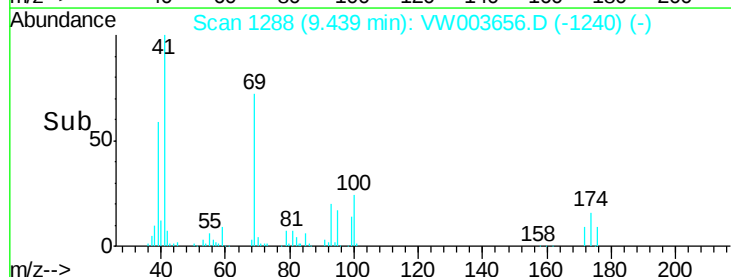
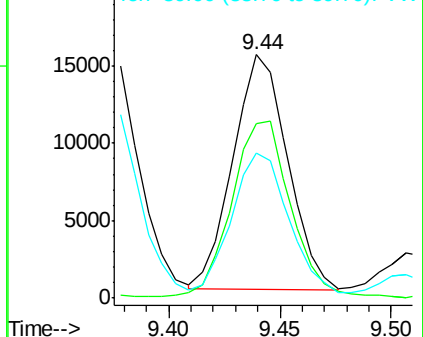
41 100

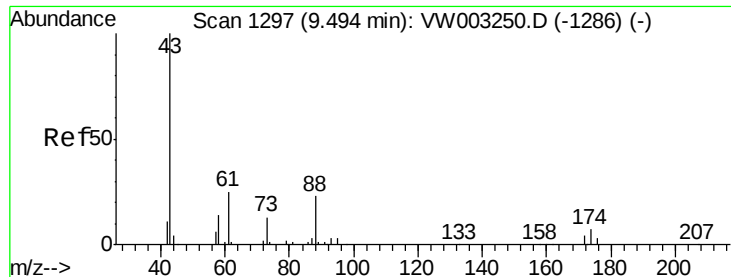
69 82.3 65.4 98.2

39 66.2 54.2 81.2



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

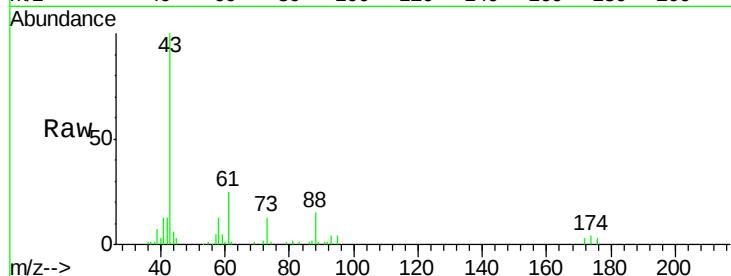




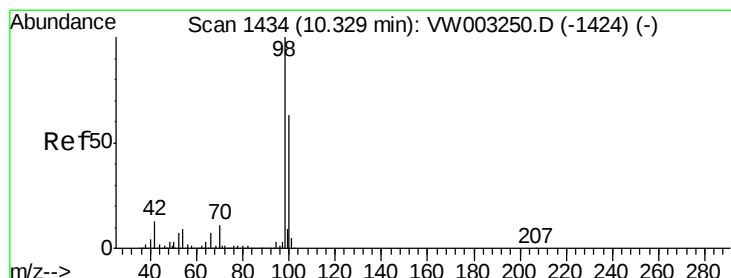
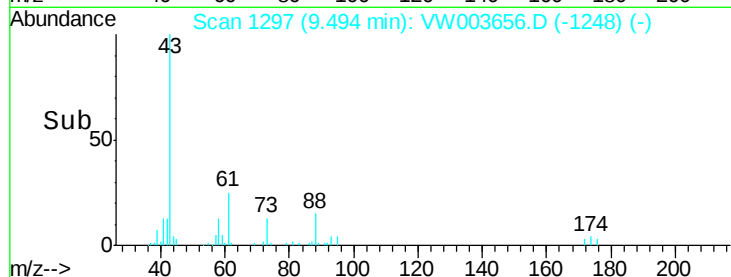
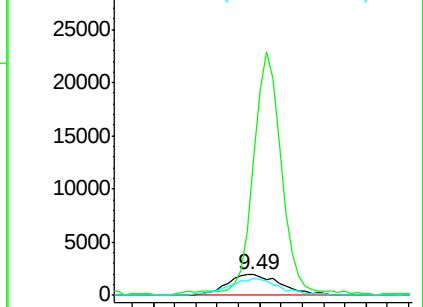
#49
1,4-Dioxane
Concen: 392.340 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 6945
Ion Ratio Lower Upper
88 100
43 626.7 454.7 682.1
58 76.9 58.6 88.0

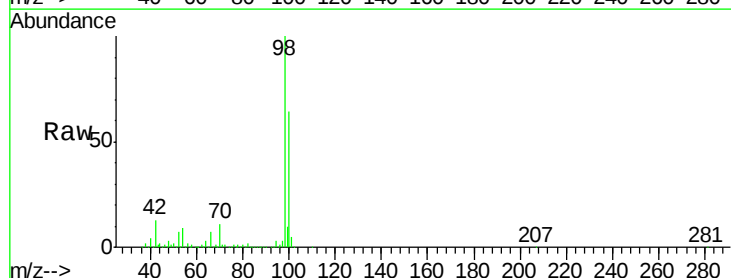


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

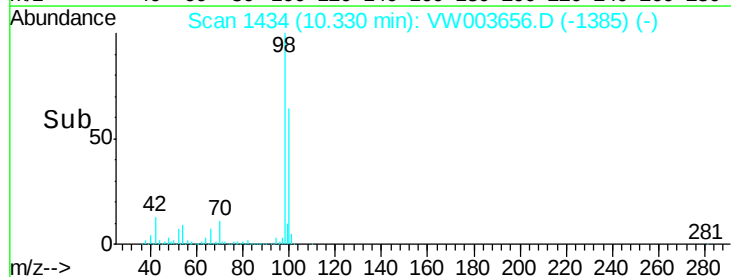
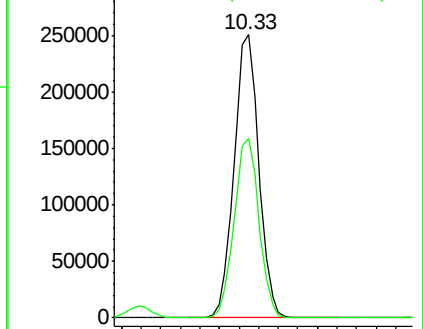


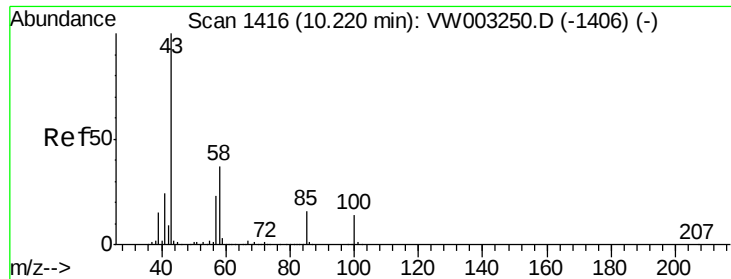
#50
Toluene-d8
Concen: 52.754 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 98 Resp: 439134
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



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

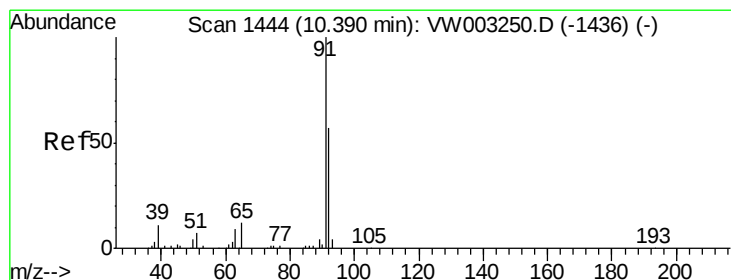
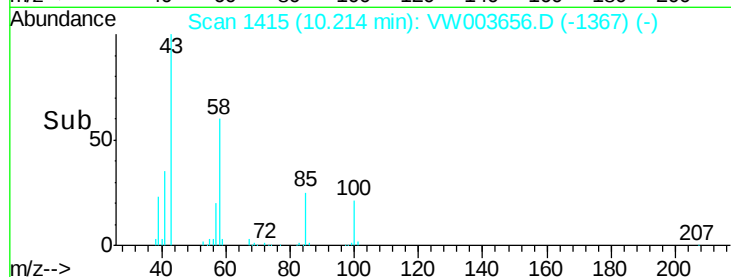
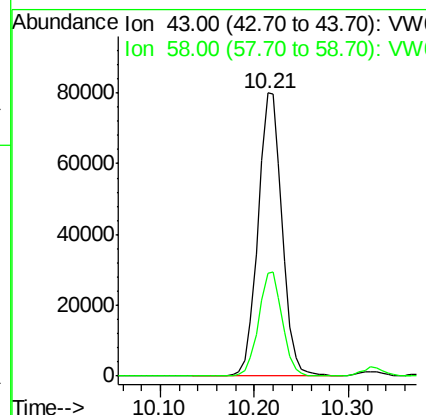
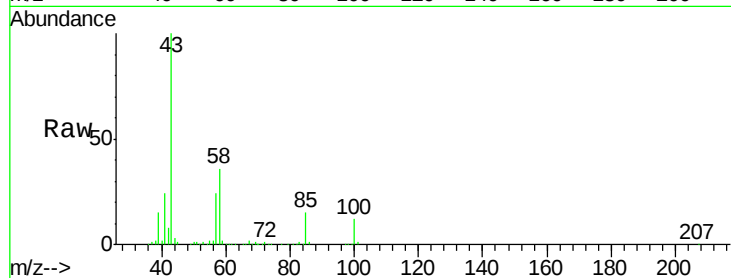




#51
 4-Methyl-2-Pentanone
 Concen: 105.930 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

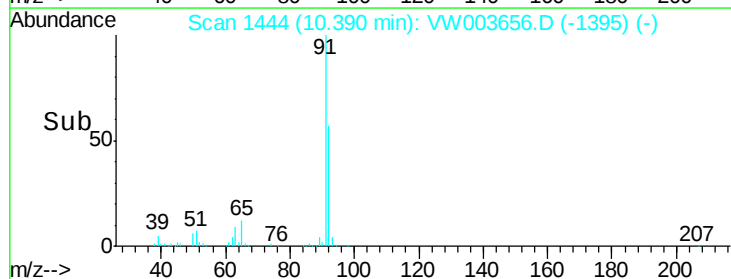
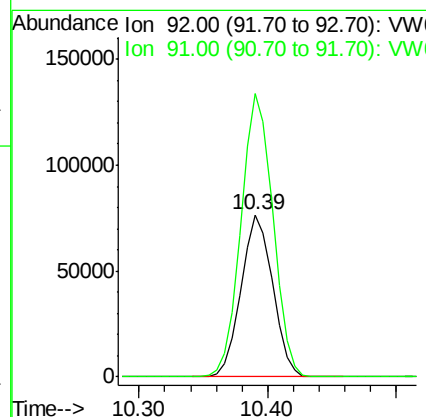
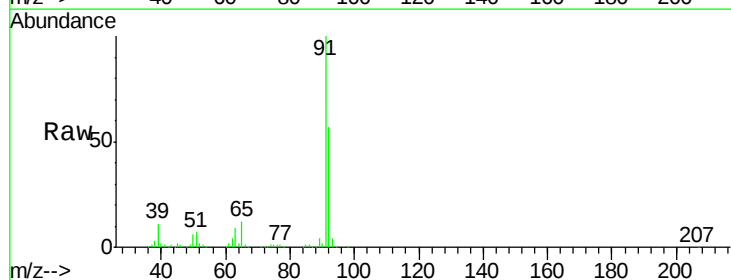
Instrument :
 MSVOA_W
 ClientSampled :

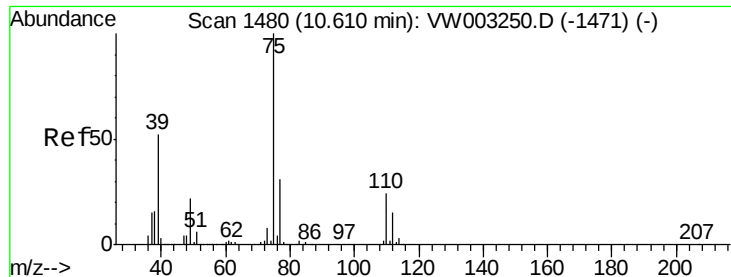
Tot Ion: 43 Resp: 144871
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.4



#52
 Toluene
 Concen: 22.481 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion: 92 Resp: 129653
 Ion Ratio Lower Upper
 92 100
 91 176.5 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 21.452 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

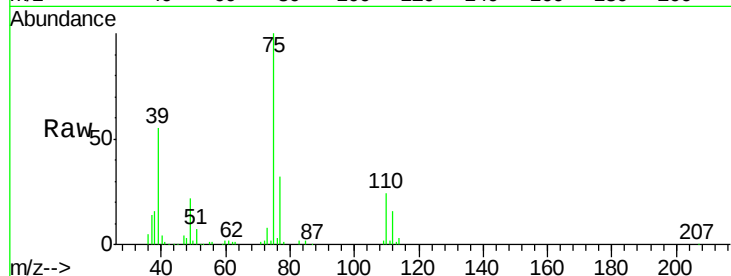
ClientSampleId :

Tot Ion: 75 Resp: 65851

Ion Ratio Lower Upper

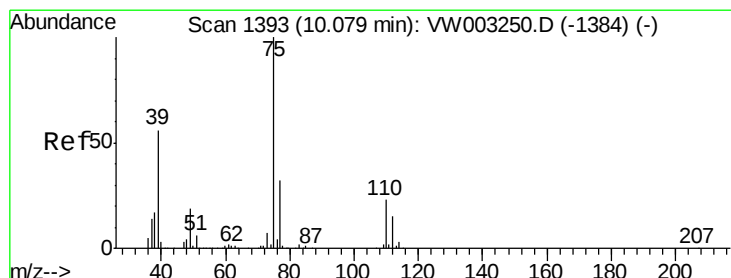
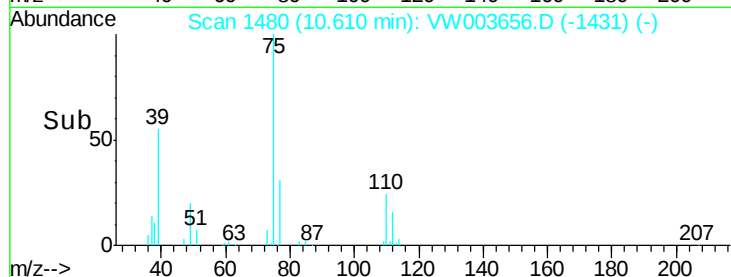
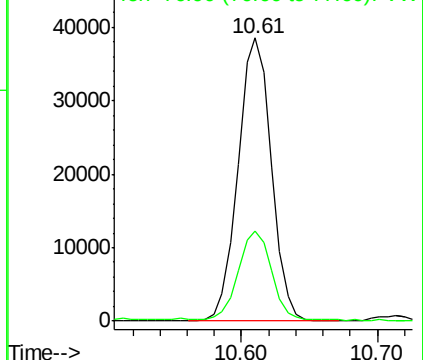
75 100

77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.437 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

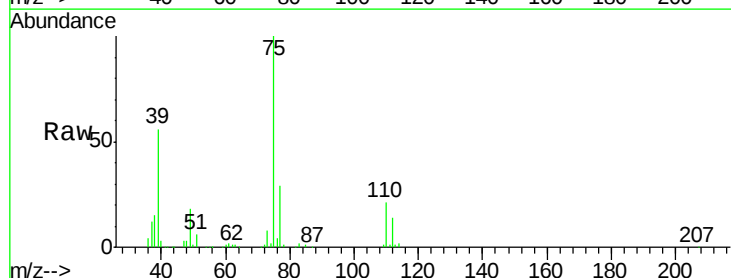
Tgt Ion: 75 Resp: 74899

Ion Ratio Lower Upper

75 100

77 28.7 25.8 38.6

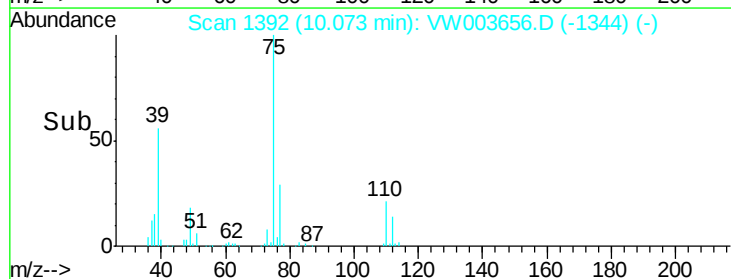
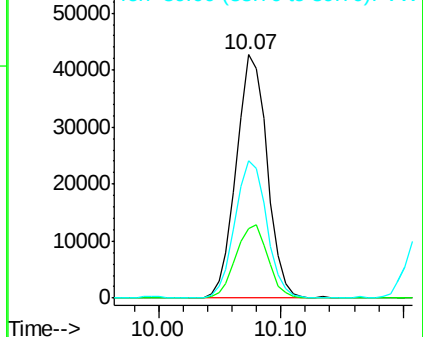
39 56.1 45.2 67.8

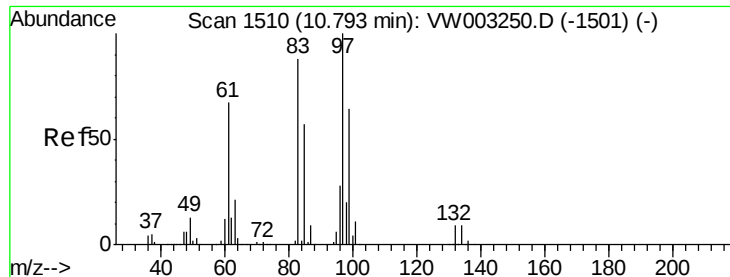


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

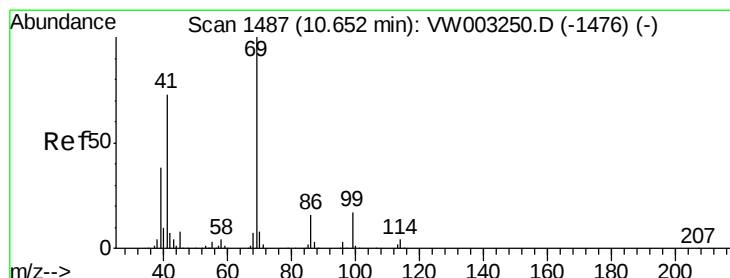
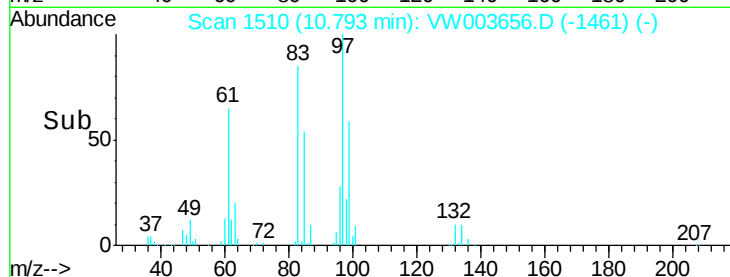
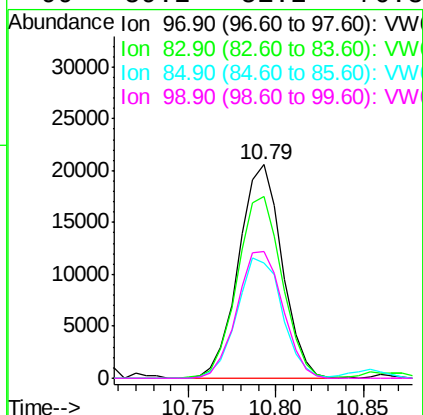
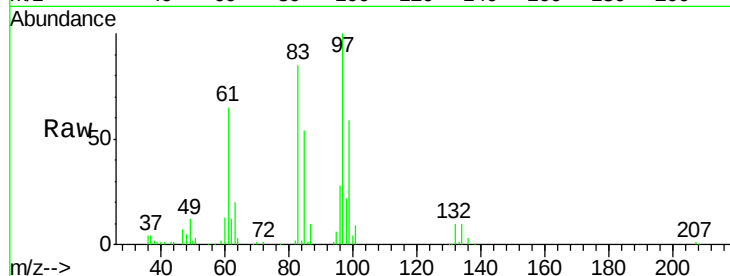




#55
 1,1,2-Trichloroethane
 Concen: 21.554 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

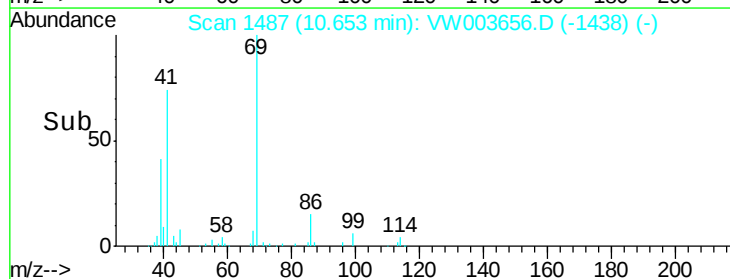
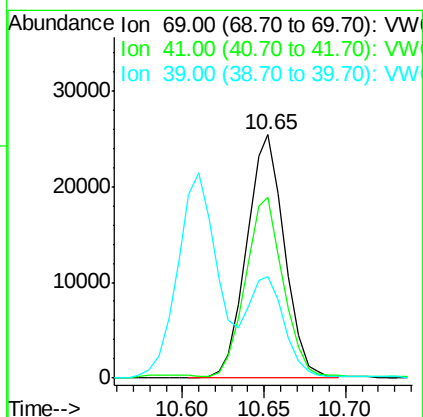
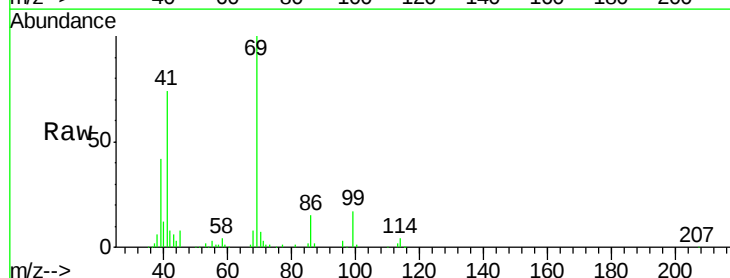
Instrument :
 MSVOA_W
 ClientSampled :

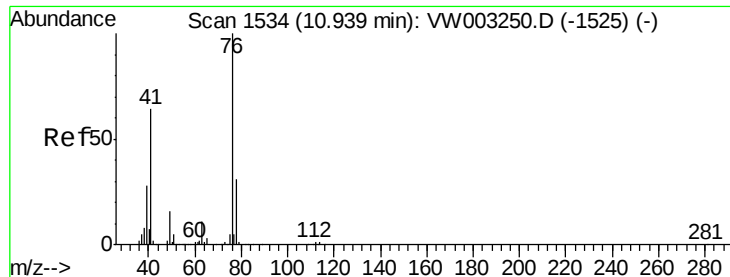
Tot Ion:	97	Resp:	35608
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	53.9	45.6	68.4
99	59.2	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 20.365 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion:	69	Resp:	40854
Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.8	86.6
39	38.5	32.7	49.1





#57

1,3-Dichloropropane

Concen: 22.211 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

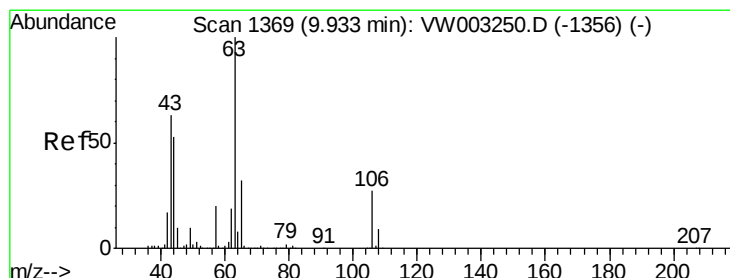
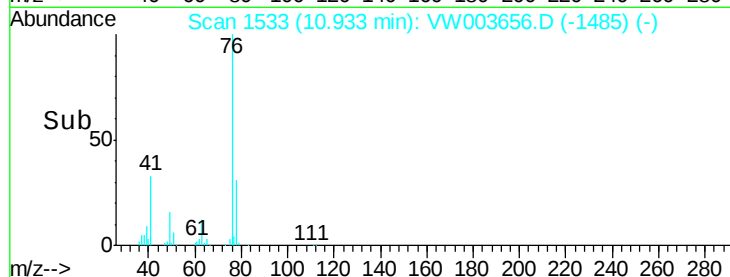
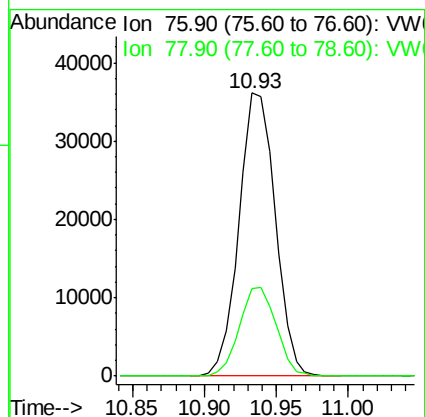
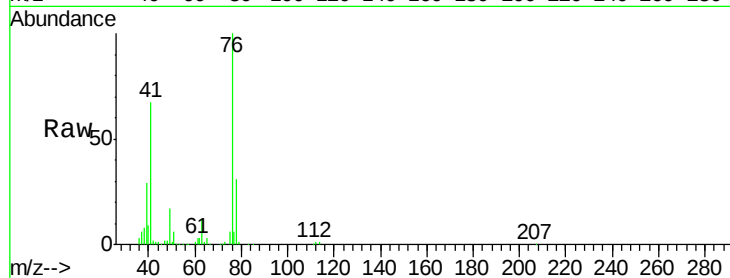
ClientSampled :

Tot Ion: 76 Resp: 63285

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 110.776 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW003656.D

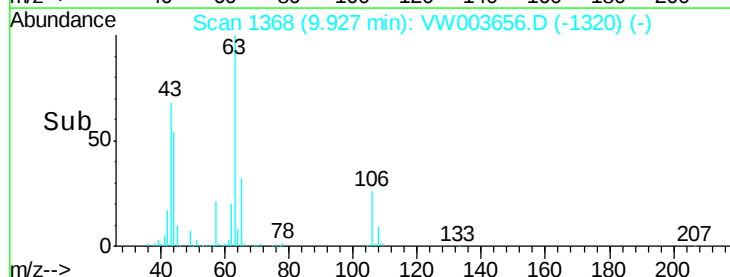
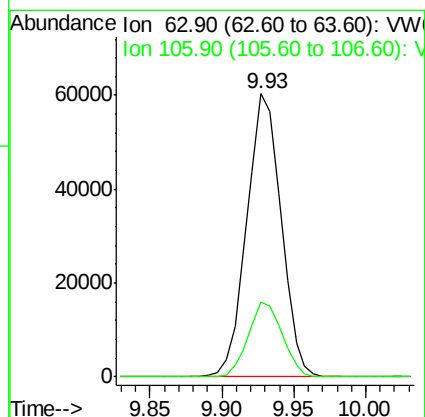
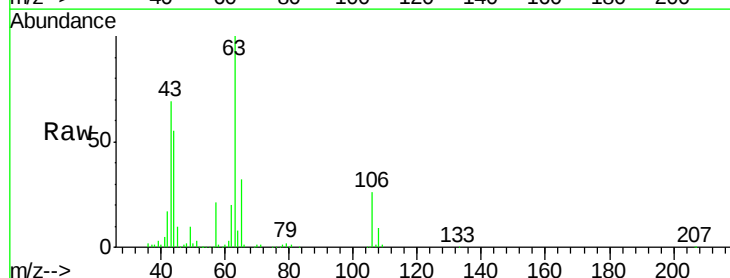
Acq: 29 Jun 2018 13:23

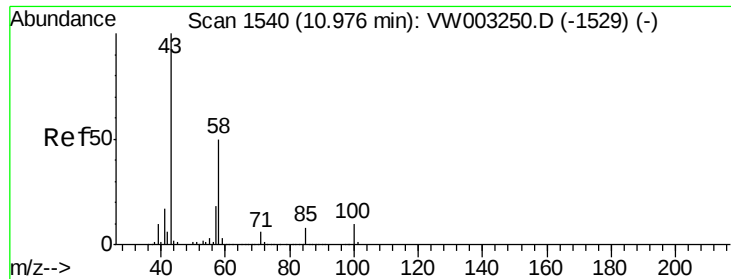
Tgt Ion: 63 Resp: 99621

Ion Ratio Lower Upper

63 100

106 26.2 21.8 32.8

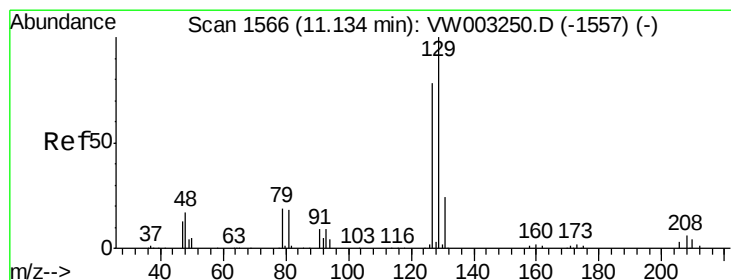
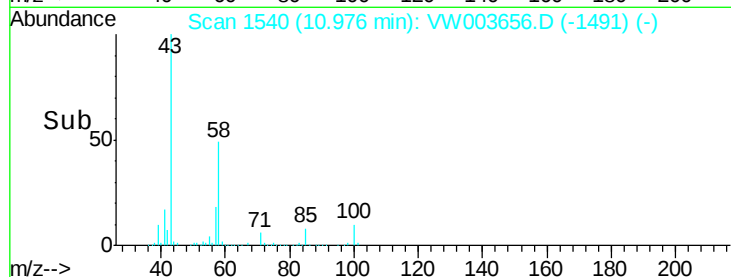
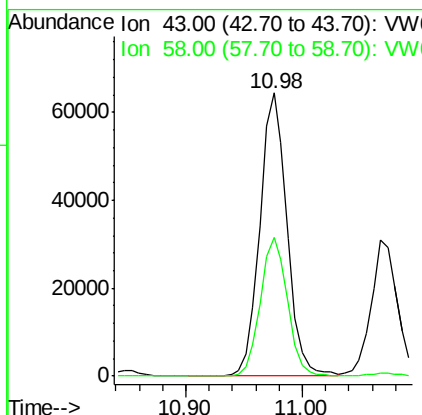
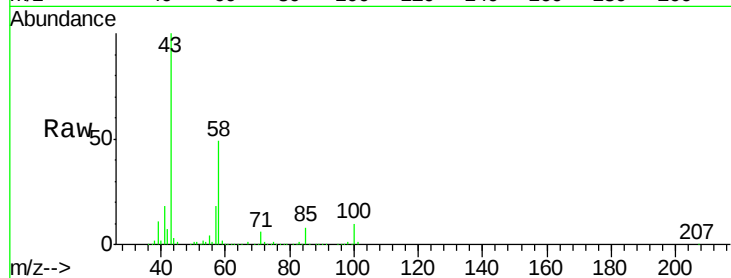




#59
2-Hexanone
Concen: 109.808 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

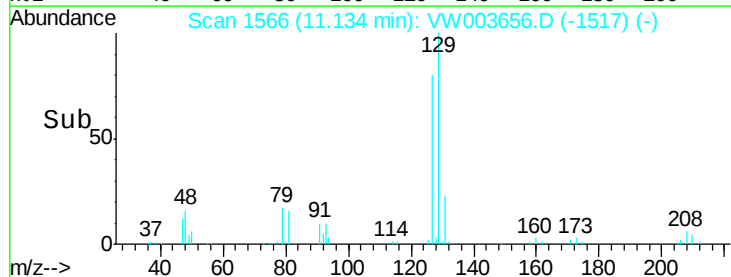
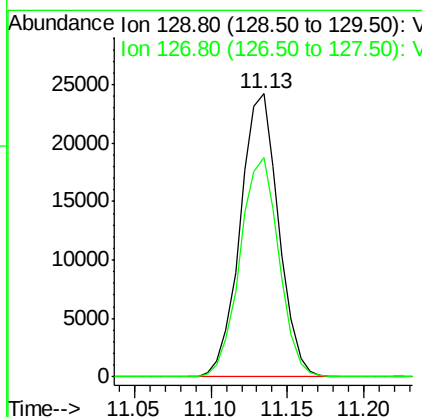
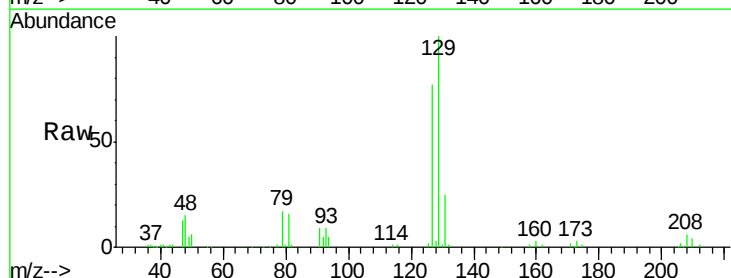
Instrument :
MSVOA_W
ClientSampleId :

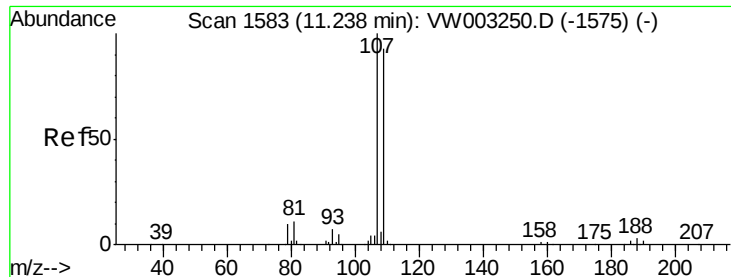
Tot Ion: 43 Resp: 104910
Ion Ratio Lower Upper
43 100
58 48.9 25.0 75.0



#60
Dibromochloromethane
Concen: 21.439 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 129 Resp: 42119
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.5

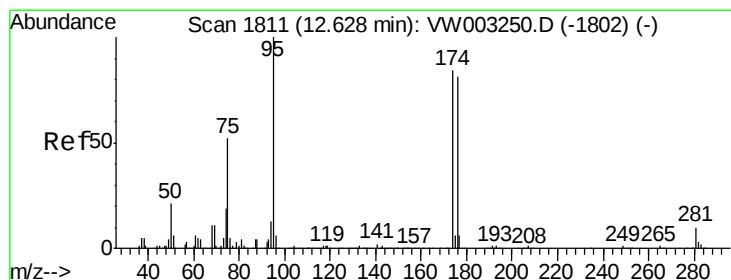
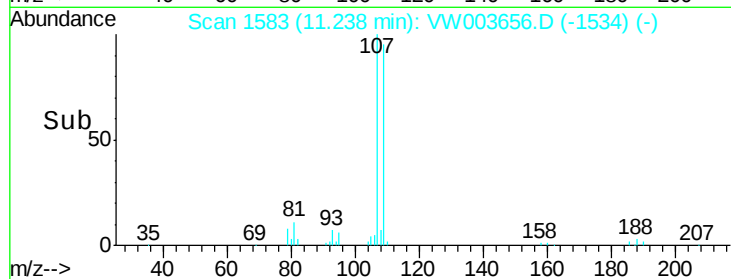
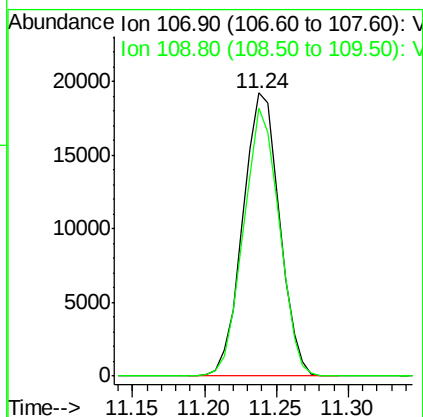
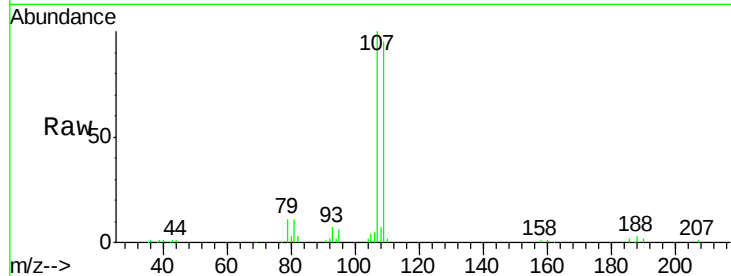




#61
 1,2-Dibromoethane
 Concen: 21.672 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

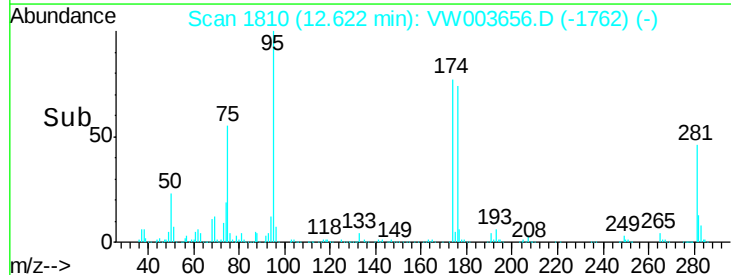
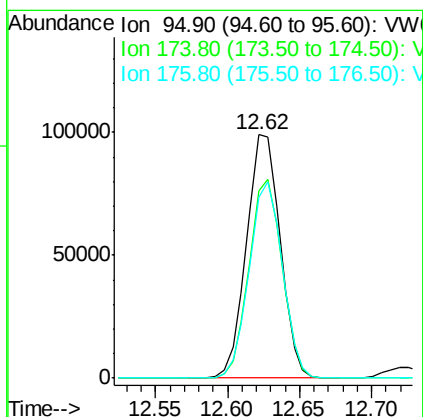
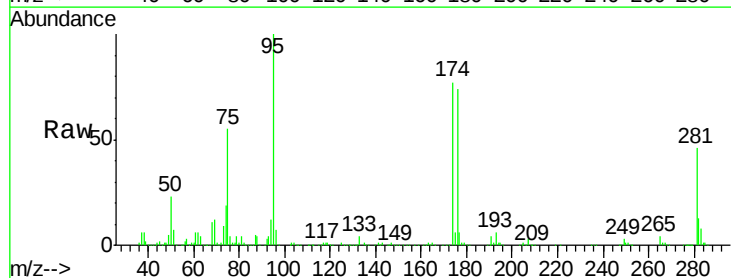
Instrument :
 MSVOA_W
 ClientSampleId :

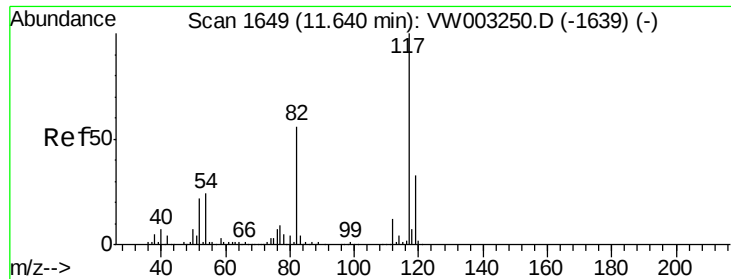
Tot Ion: 107 Resp: 33867
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 54.459 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion: 95 Resp: 160428
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 166.4
 176 79.2 0.0 162.0

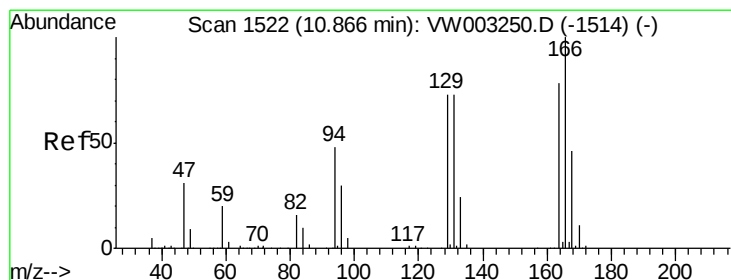
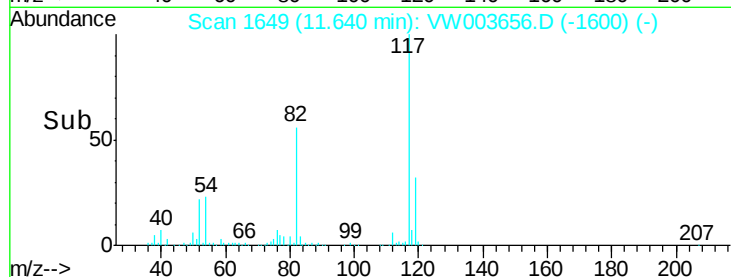
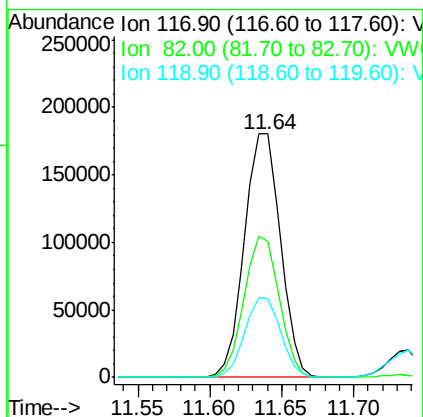
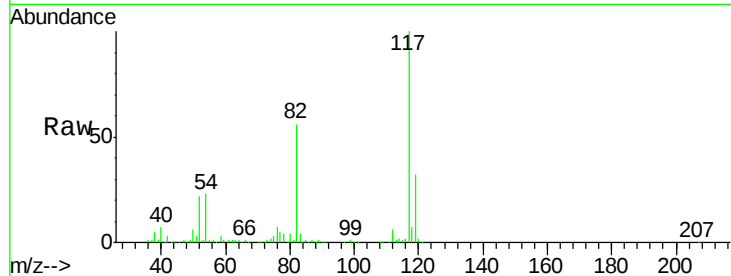




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

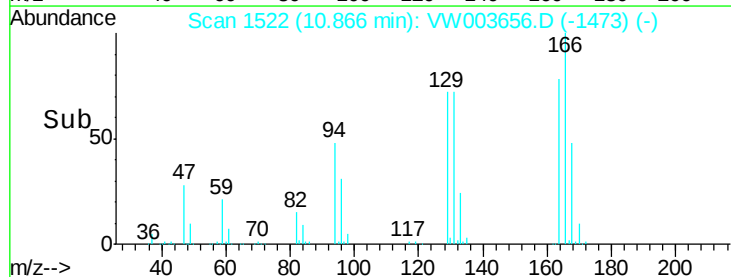
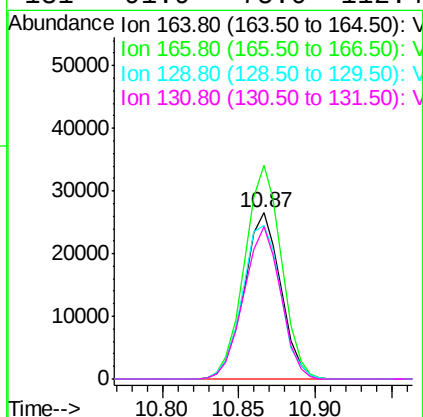
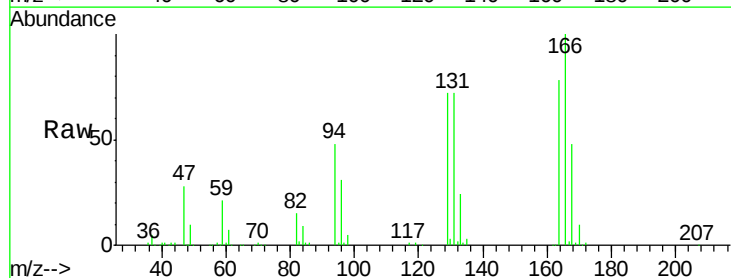
Instrument :
MSVOA_W
ClientSampleId :

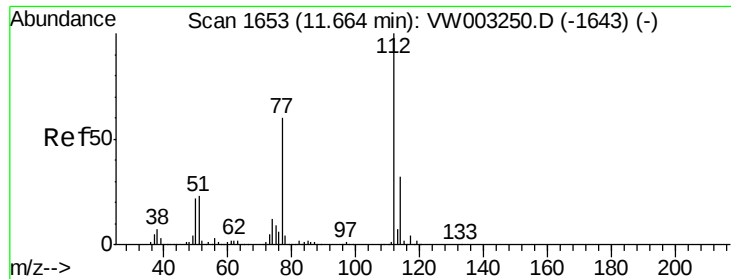
Tot Ion:117 Resp: 313008
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 32.3 26.7 40.1



#64
Tetrachloroethene
Concen: 21.209 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion:164 Resp: 44402
Ion Ratio Lower Upper
164 100
166 128.4 102.6 154.0
129 92.6 75.2 112.8
131 91.9 75.0 112.4





#65

Chlorobenzene

Concen: 21.715 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

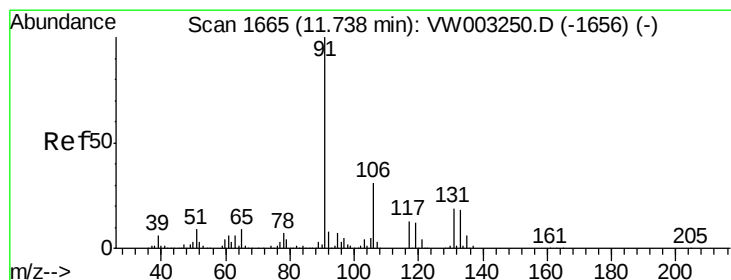
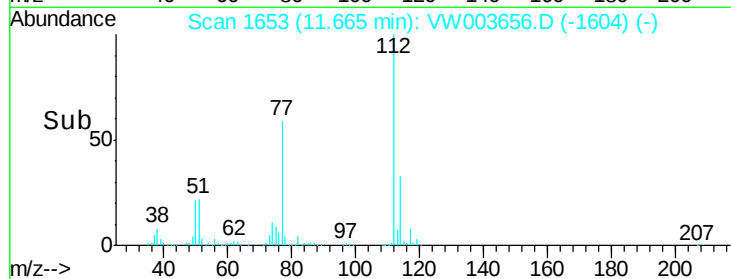
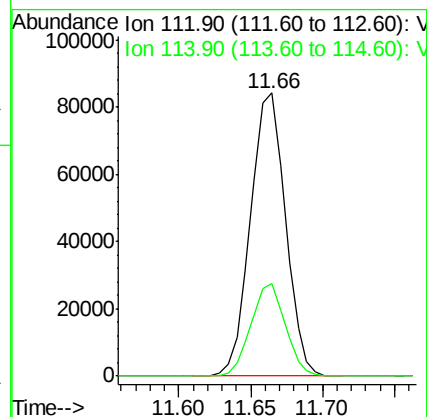
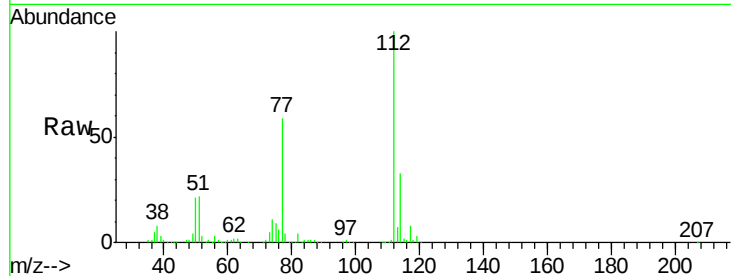
ClientSampleId :

Tot Ion:112 Resp: 141542

Ion Ratio Lower Upper

112 100

114 32.7 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 21.421 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

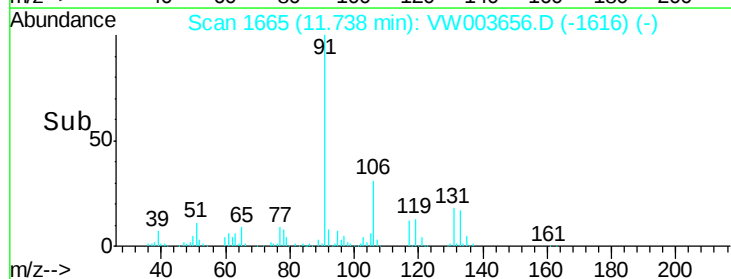
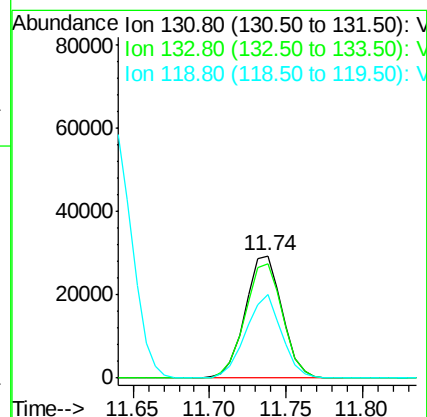
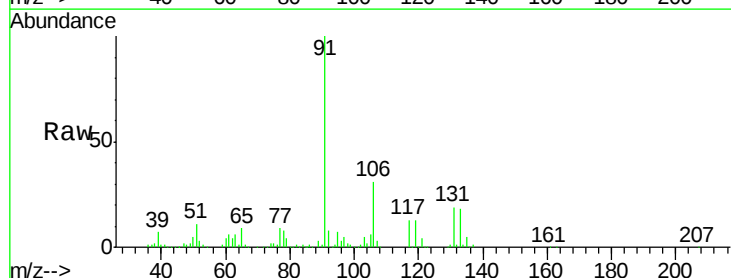
Tgt Ion:131 Resp: 49066

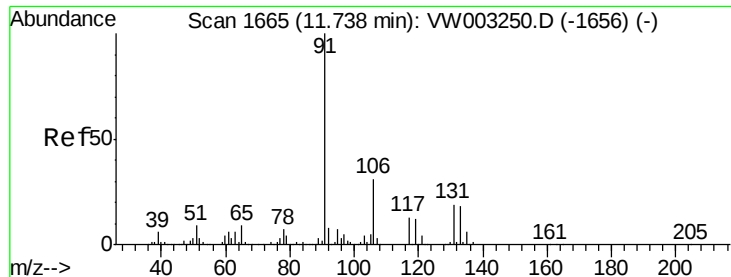
Ion Ratio Lower Upper

131 100

133 95.7 47.3 142.0

119 66.2 32.5 97.4

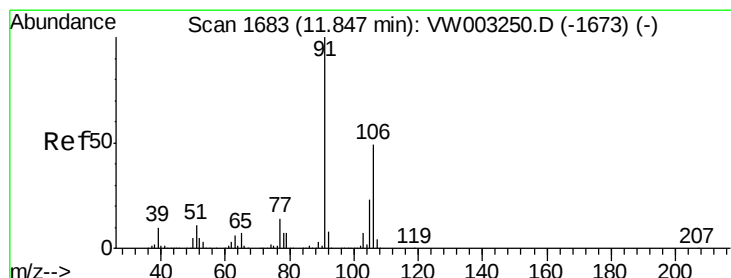
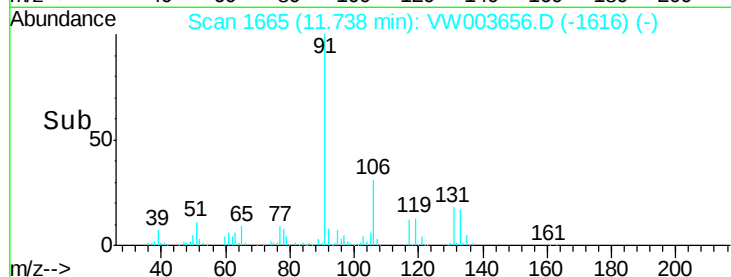
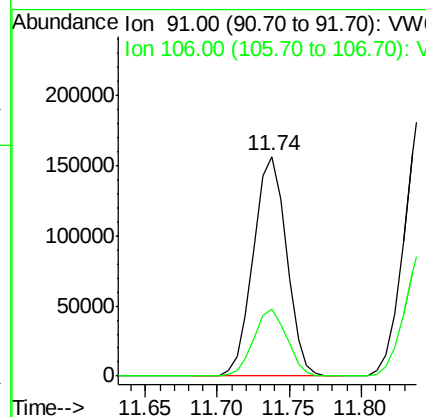
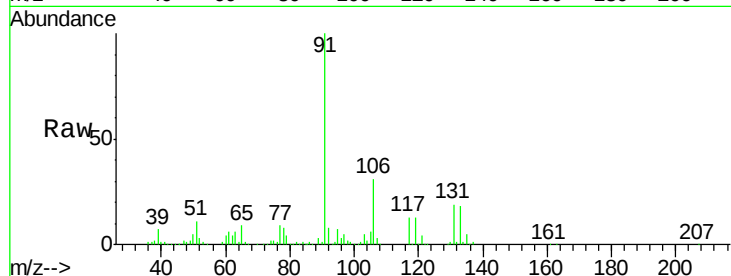




#67
Ethyl Benzene
Concen: 21.581 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

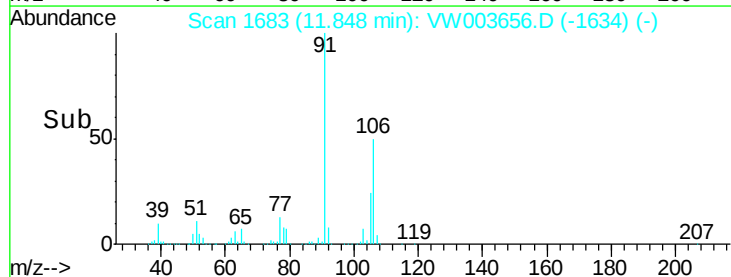
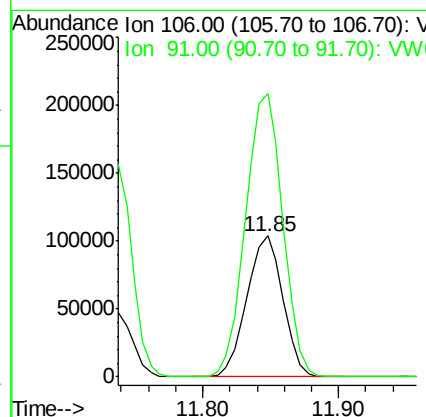
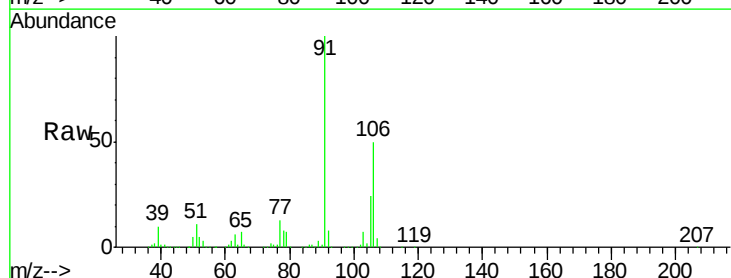
Instrument :
MSVOA_W
ClientSampled :

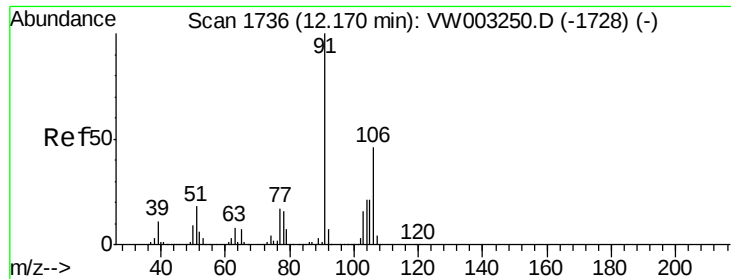
Tot Ion: 91 Resp: 249349
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 43.942 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 106 Resp: 192999
Ion Ratio Lower Upper
106 100
91 206.7 165.4 248.0

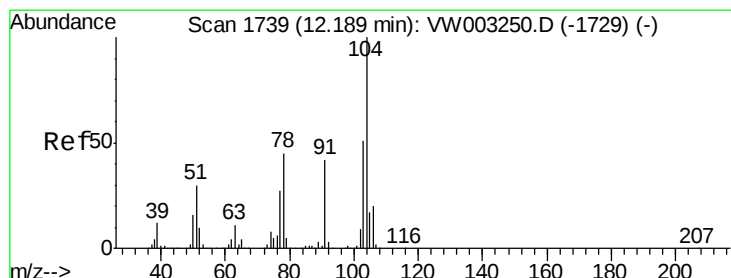
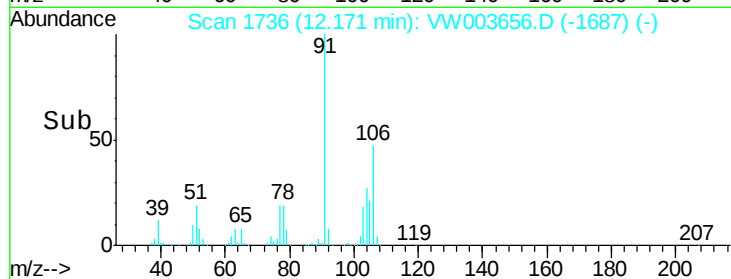
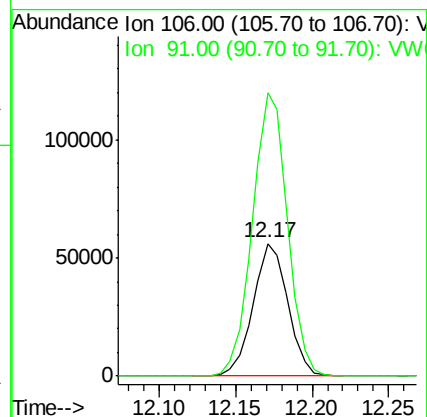
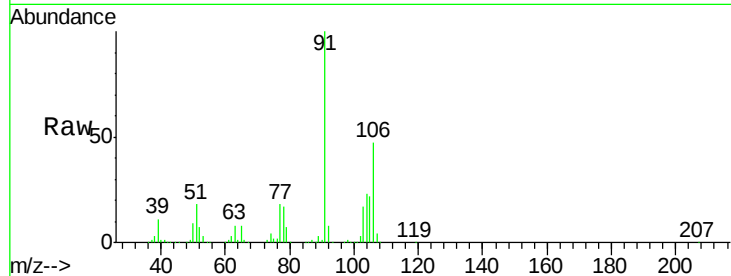




#69
o-Xylene
Concen: 21.800 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

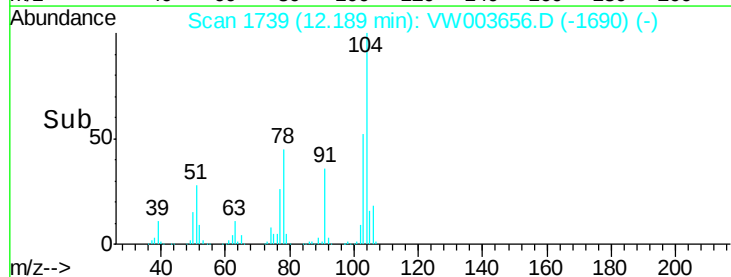
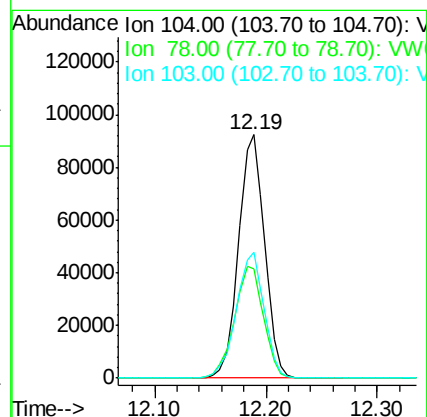
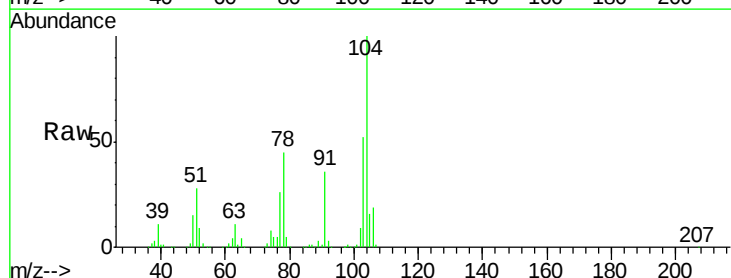
Instrument :
MSVOA_W
ClientSampled :

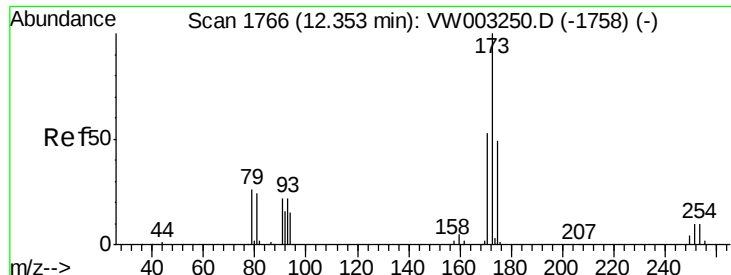
Tot Ion:106 Resp: 88739
Ion Ratio Lower Upper
106 100
91 214.8 108.6 325.6



#70
Styrene
Concen: 22.078 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion:104 Resp: 149587
Ion Ratio Lower Upper
104 100
78 51.1 41.3 61.9
103 55.4 45.0 67.4





#71

Bromoform

Concen: 20.154 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

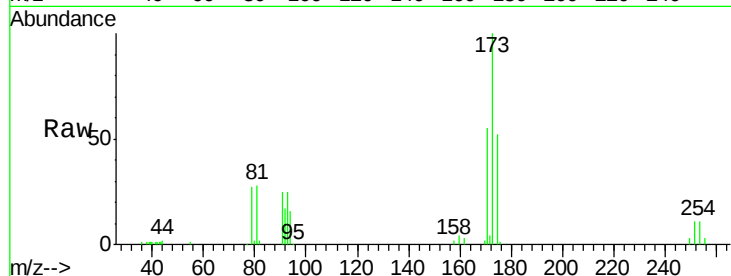
Tot Ion:173 Resp: 23926

Ion Ratio Lower Upper

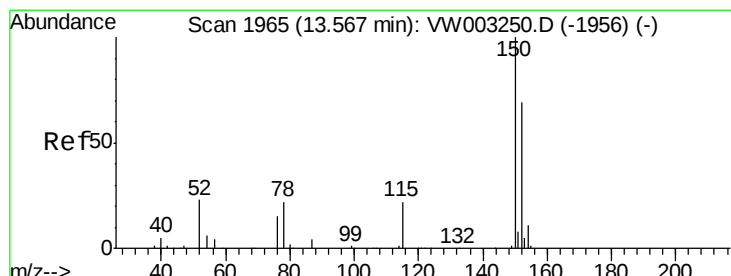
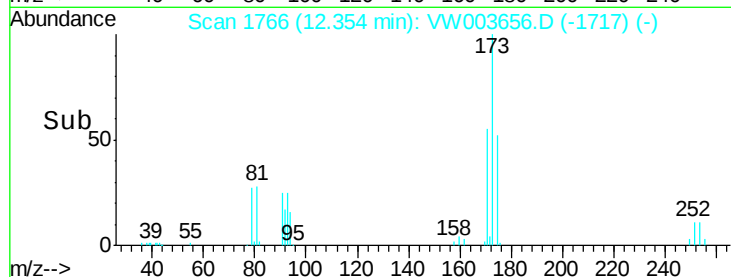
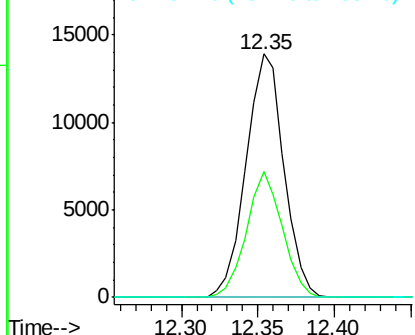
173 100

175 48.8 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: VW003656.D

Acq: 29 Jun 2018 13:23

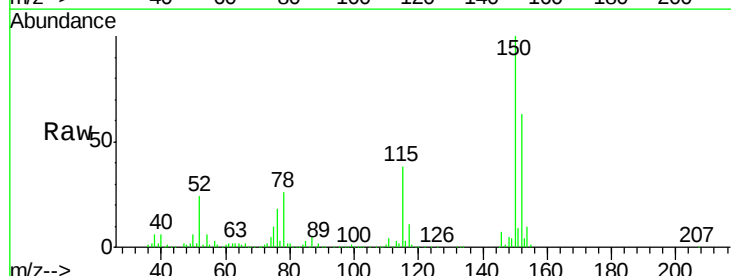
Tgt Ion:152 Resp: 169557

Ion Ratio Lower Upper

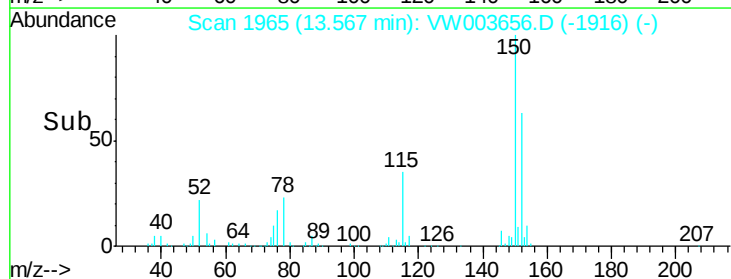
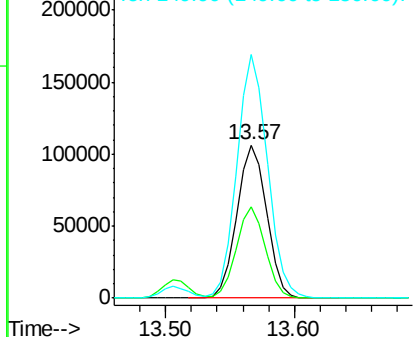
152 100

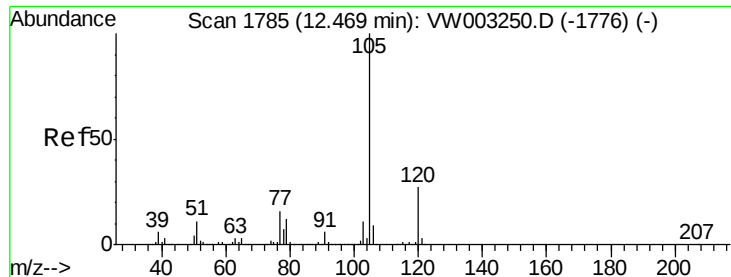
115 58.0 29.3 88.0

150 163.7 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: 21.253 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

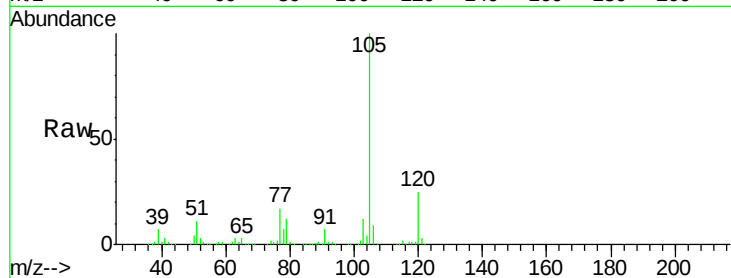
ClientSampleId :

Tot Ion:105 Resp: 250649

Ion Ratio Lower Upper

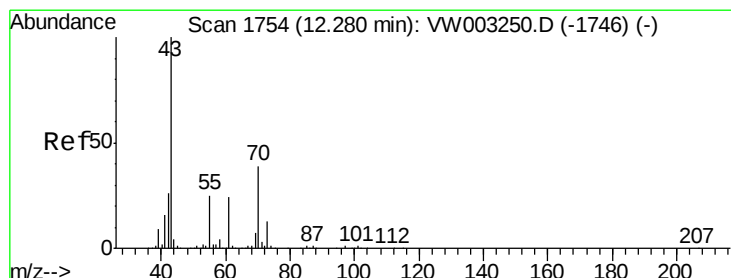
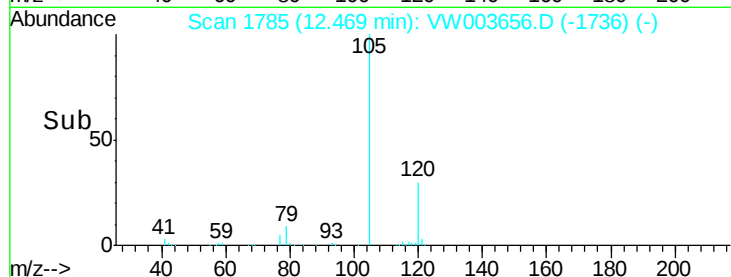
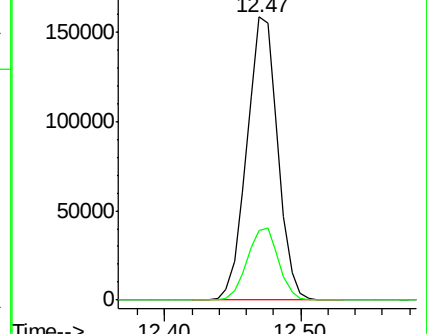
105 100

120 25.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.848 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Tgt Ion: 43 Resp: 53279

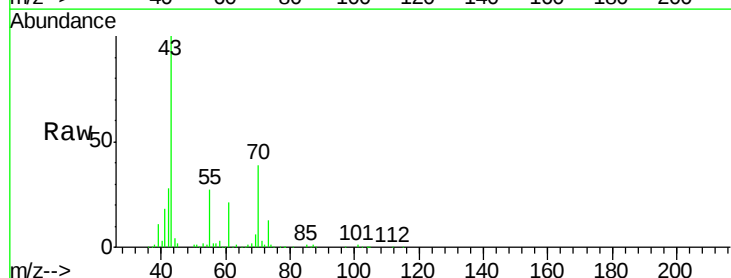
Ion Ratio Lower Upper

43 100

70 38.6 31.0 46.6

55 27.0 19.7 29.5

61 21.5 18.1 27.1

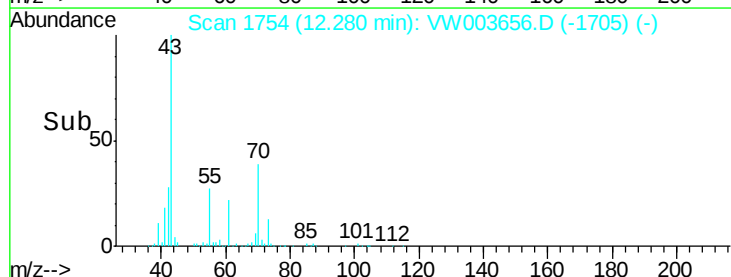
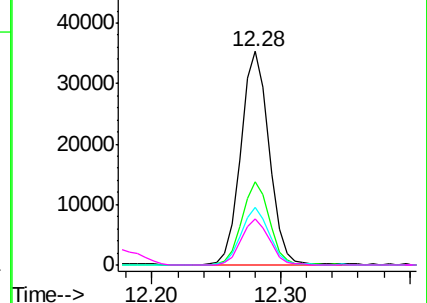


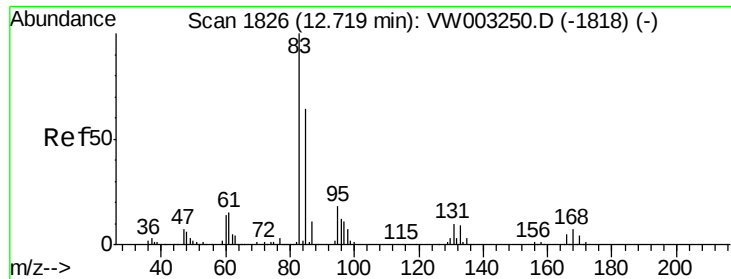
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.256 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

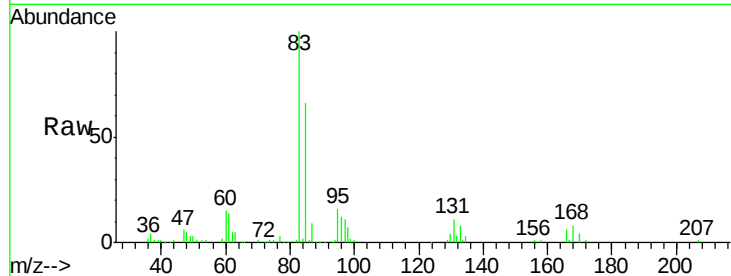
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 83 Resp: 42410

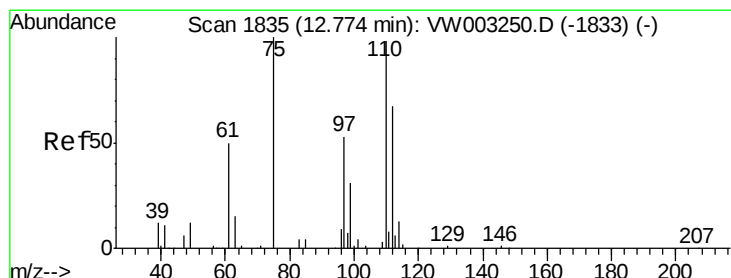
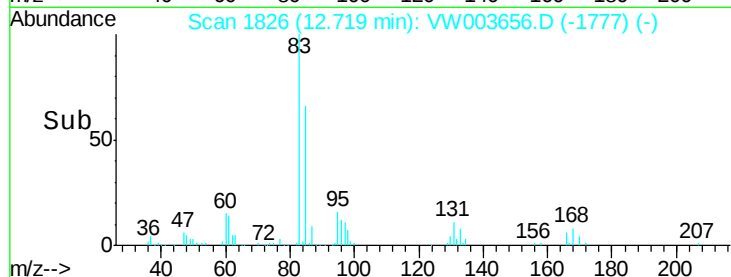
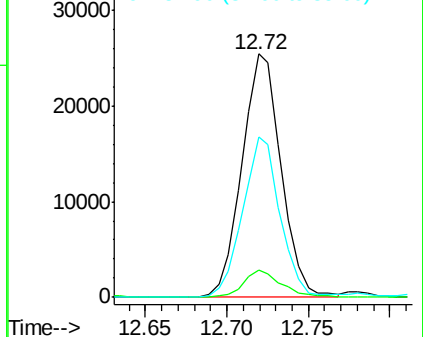
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	63.1	31.9	95.7



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: 38.728 ug/l

RT: 12.77 min Scan# 1835

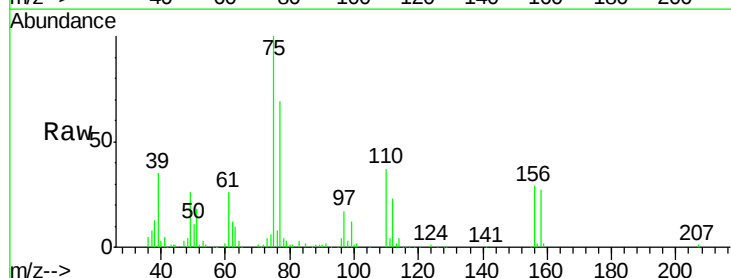
Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

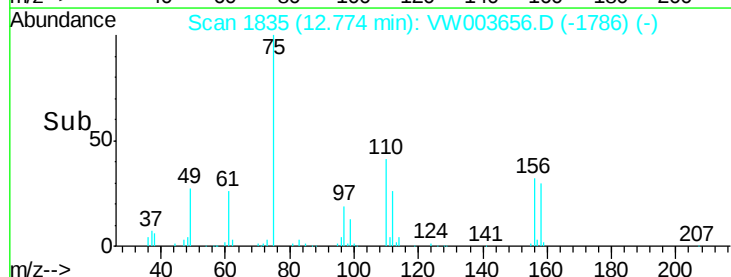
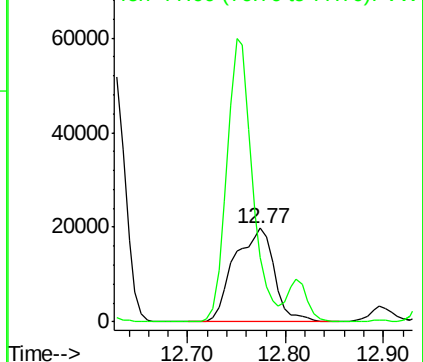
Tgt Ion: 75 Resp: 56137

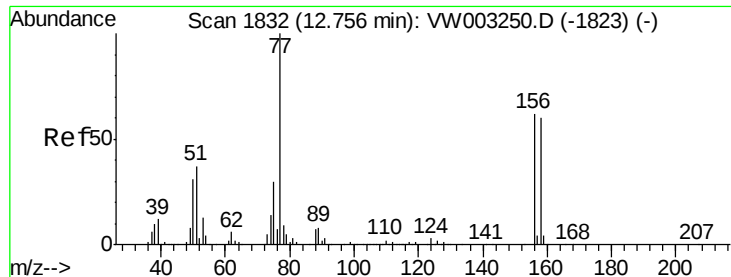
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.047 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

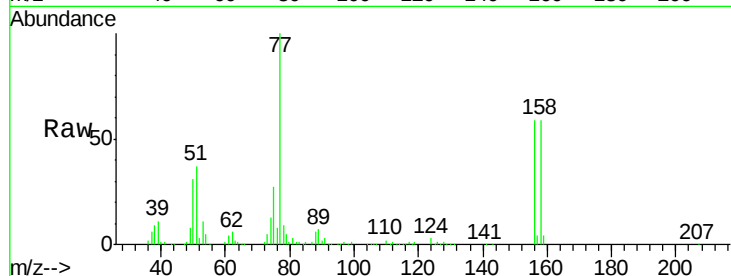
Tot Ion:156 Resp: 57808

Ion Ratio Lower Upper

156 100

77 187.8 92.3 276.9

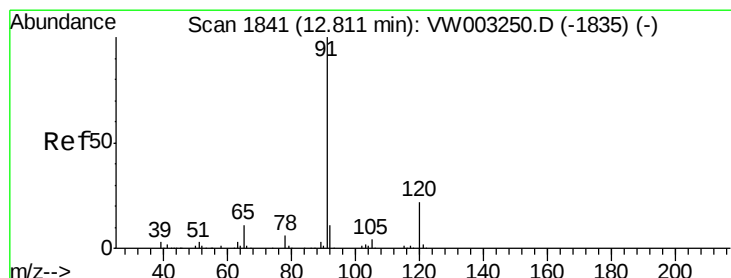
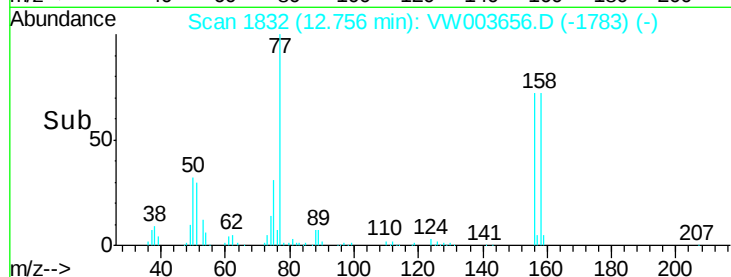
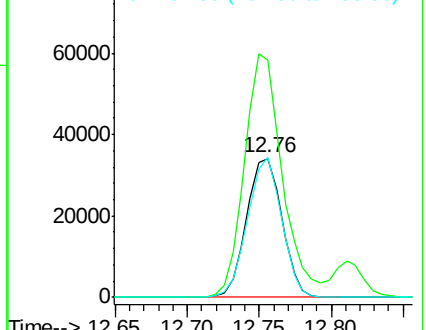
158 97.0 47.5 142.6



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: 21.636 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003656.D

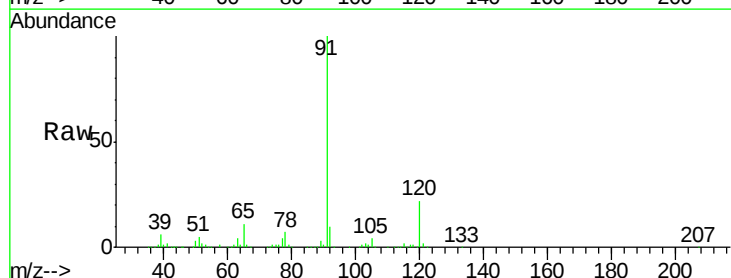
Acq: 29 Jun 2018 13:23

Tgt Ion: 91 Resp: 312445

Ion Ratio Lower Upper

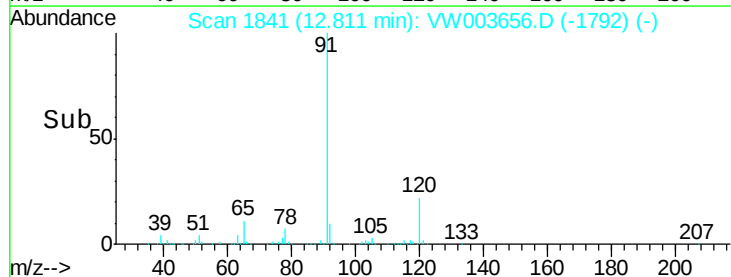
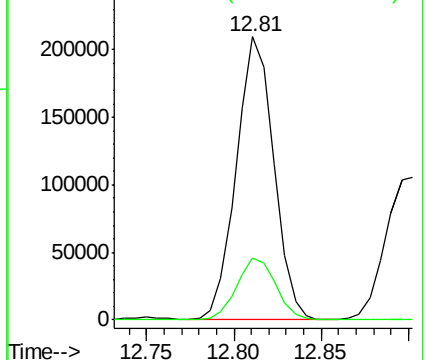
91 100

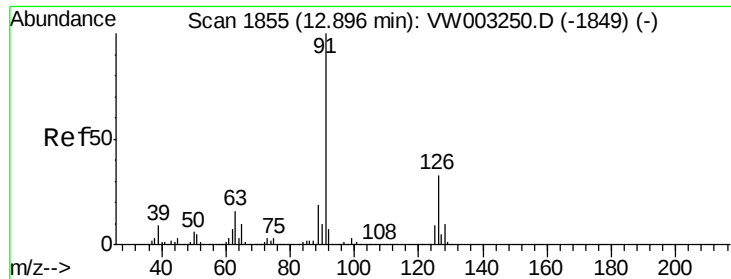
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.659 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

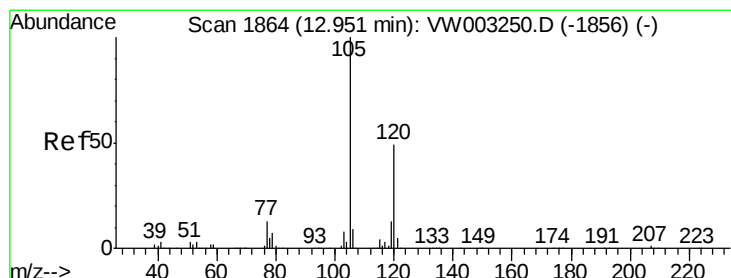
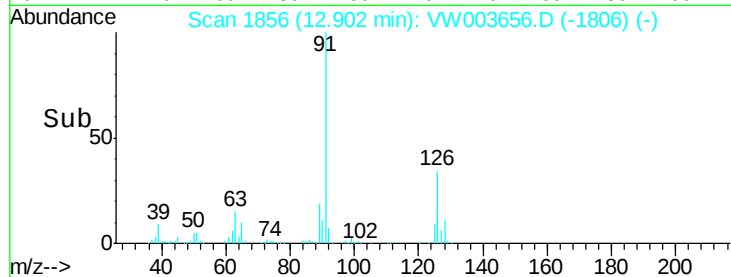
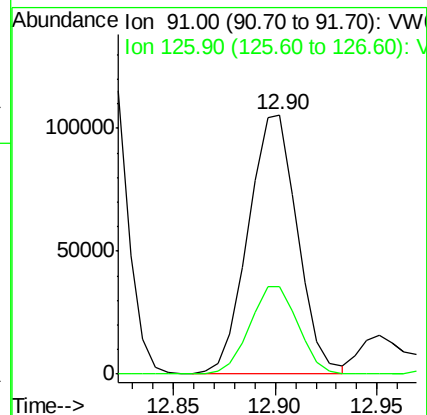
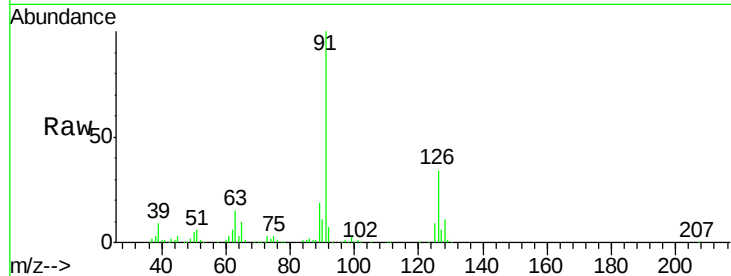
ClientSampleId :

Tot Ion: 91 Resp: 176756

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 21.721 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003656.D

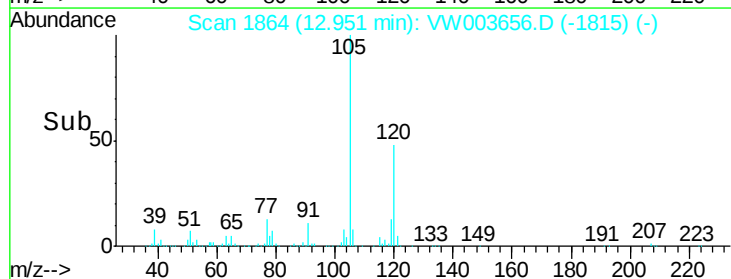
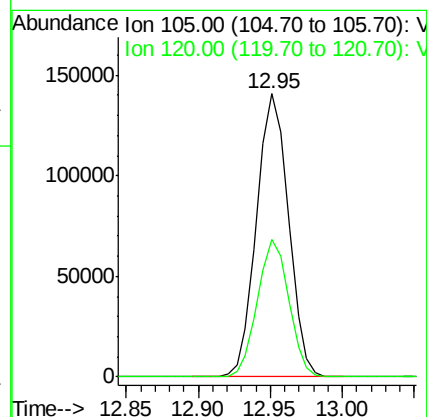
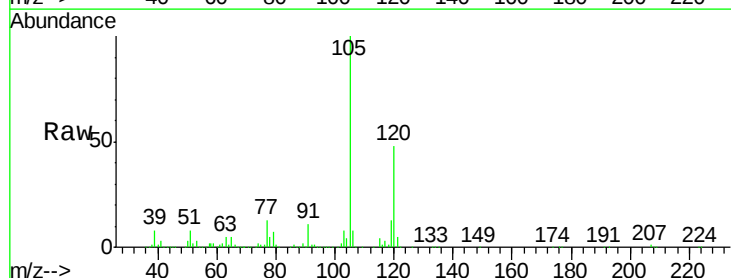
Acq: 29 Jun 2018 13:23

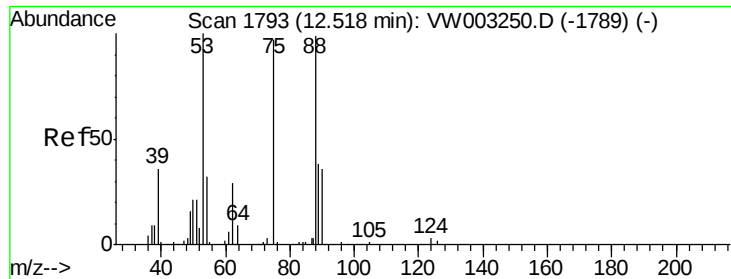
Tgt Ion:105 Resp: 215022

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.643 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

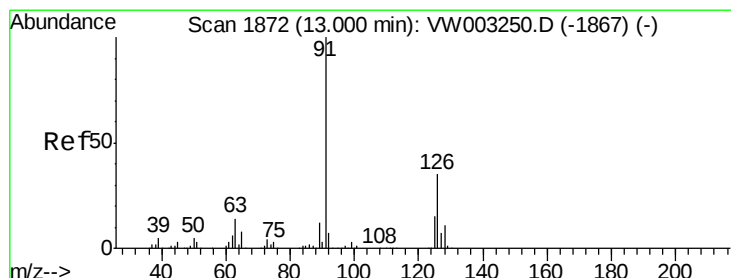
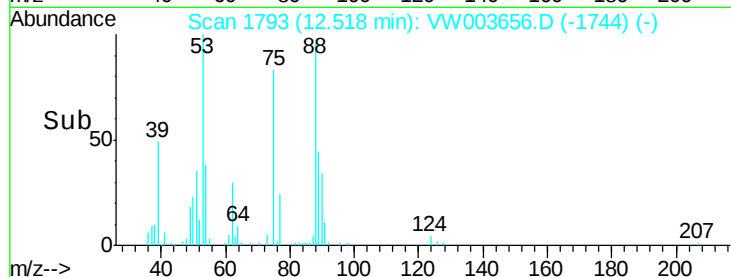
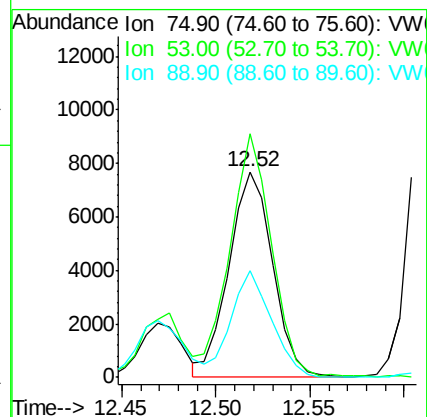
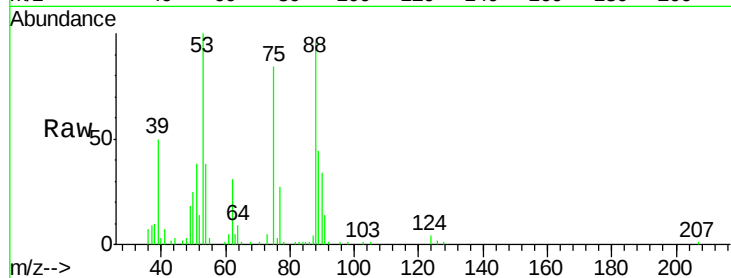
Tot Ion: 75 Resp: 12374

Ion Ratio Lower Upper

75 100

53 113.7 82.9 124.3

89 47.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 21.653 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW003656.D

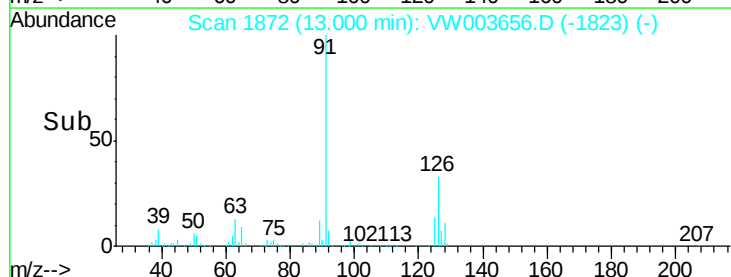
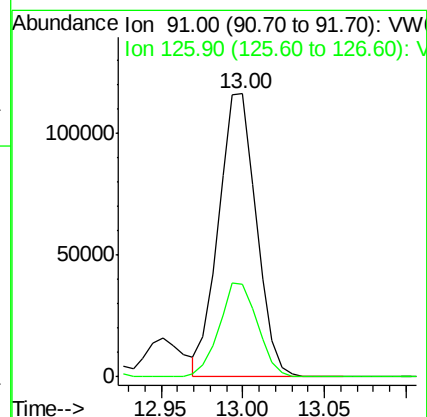
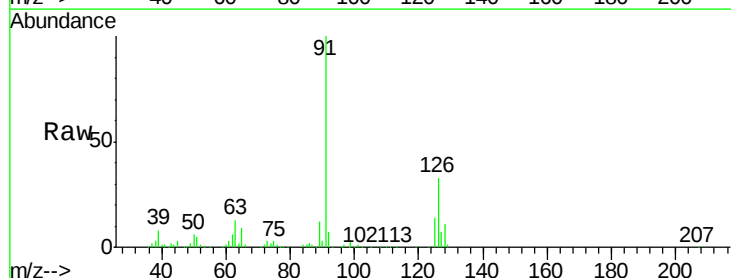
Acq: 29 Jun 2018 13:23

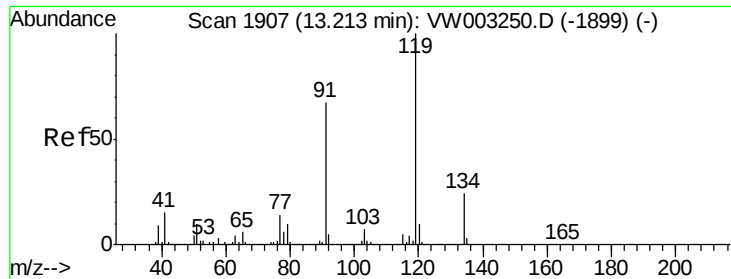
Tgt Ion: 91 Resp: 187453

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.3

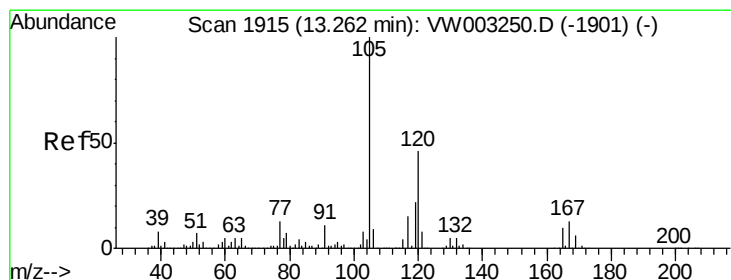
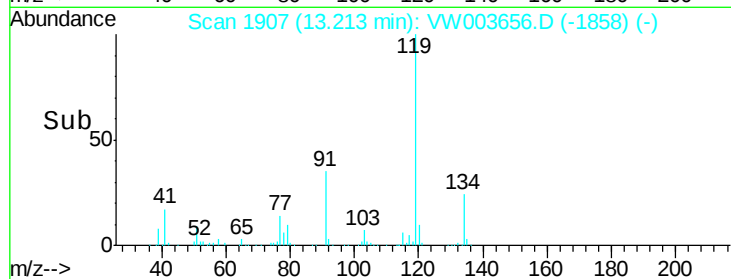
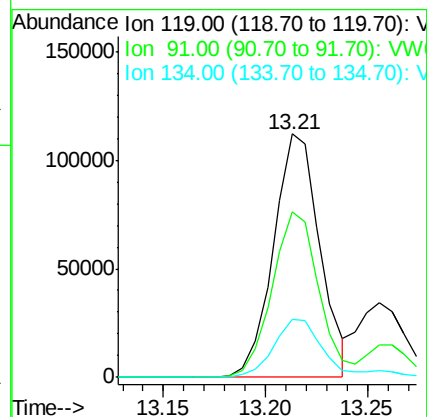
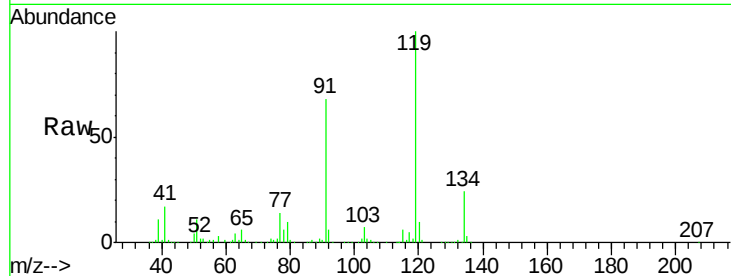




#83
tert-Butylbenzene
Concen: 21.054 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

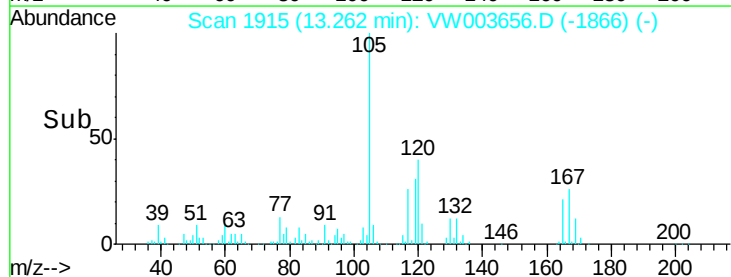
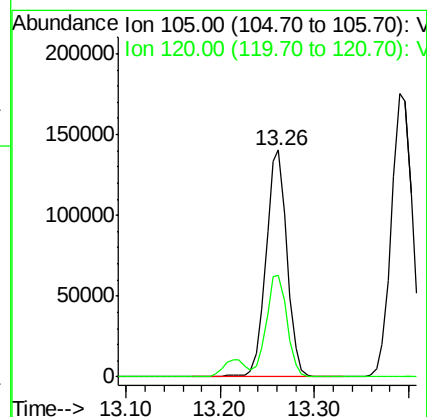
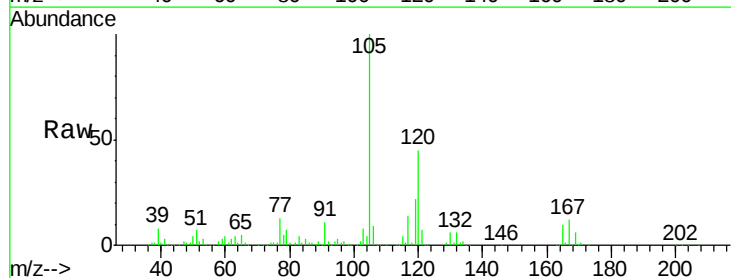
Instrument :
MSVOA_W
ClientSampled :

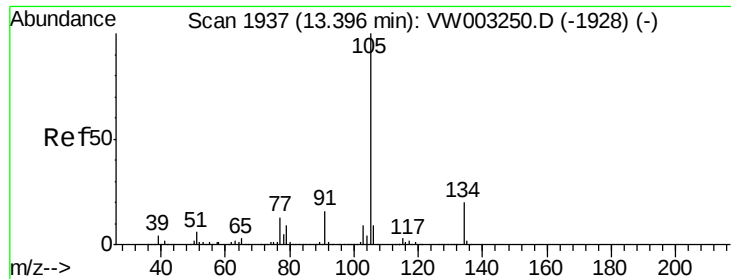
Tot Ion:119 Resp: 177617
Ion Ratio Lower Upper
119 100
91 68.7 33.9 101.7
134 26.6 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 21.608 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion:105 Resp: 220032
Ion Ratio Lower Upper
105 100
120 44.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 21.737 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

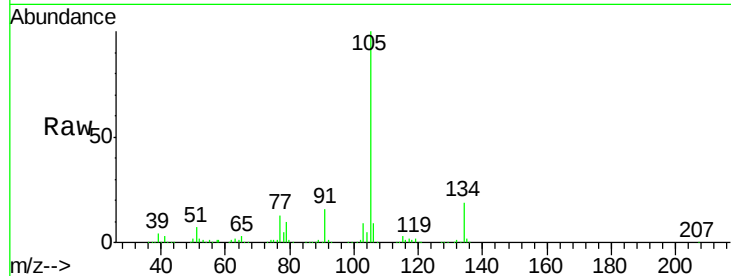
ClientSampleId :

Tot Ion:105 Resp: 272574

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

200000

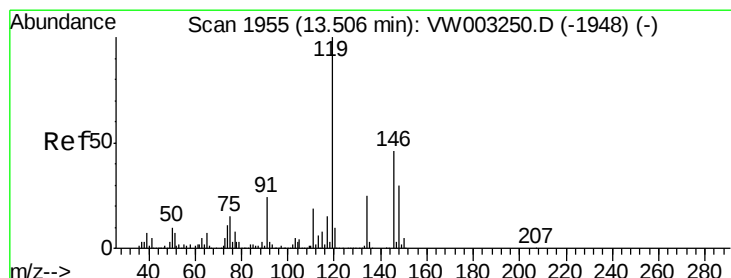
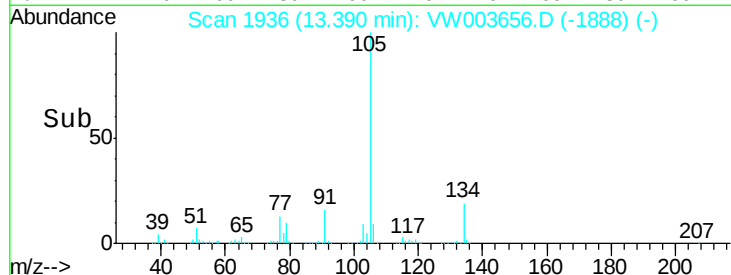
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.538 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

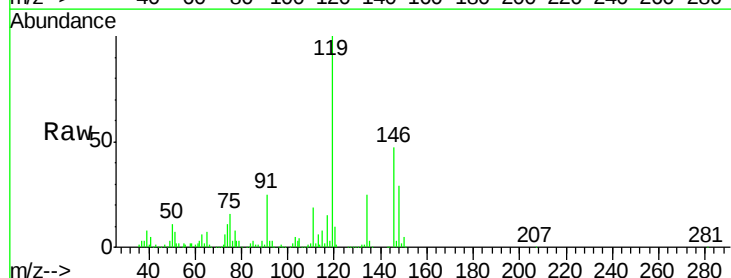
Tgt Ion:119 Resp: 238211

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.3 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

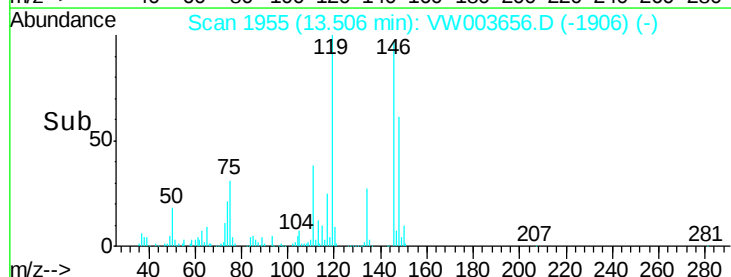
150000

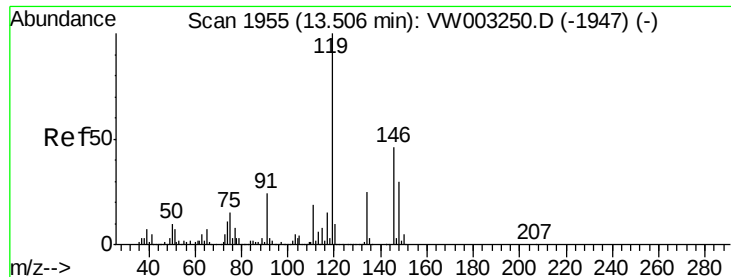
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.414 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

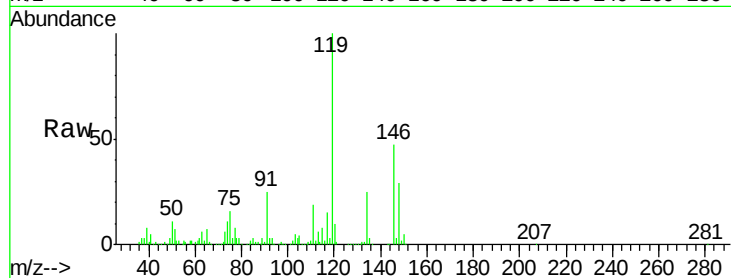
Tot Ion:146 Resp: 120826

Ion Ratio Lower Upper

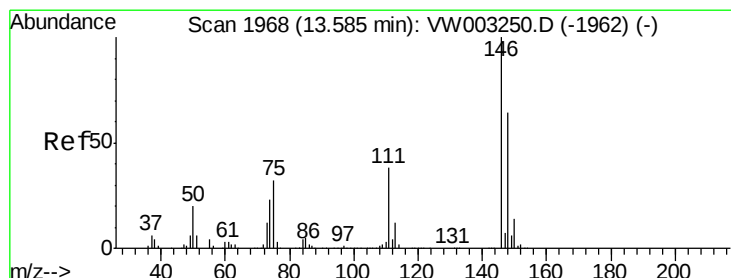
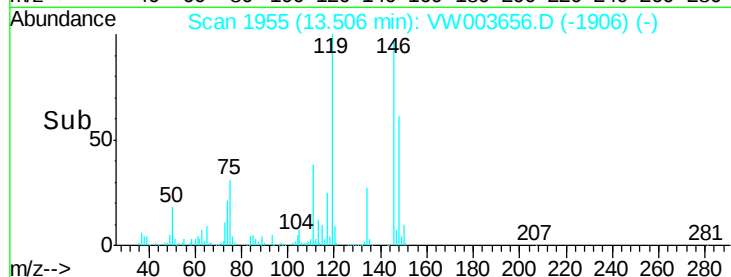
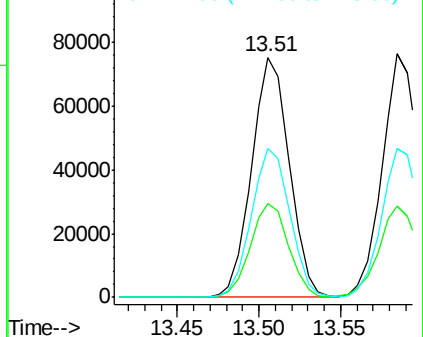
146 100

111 39.7 19.8 59.4

148 63.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.425 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003656.D

Acq: 29 Jun 2018 13:23

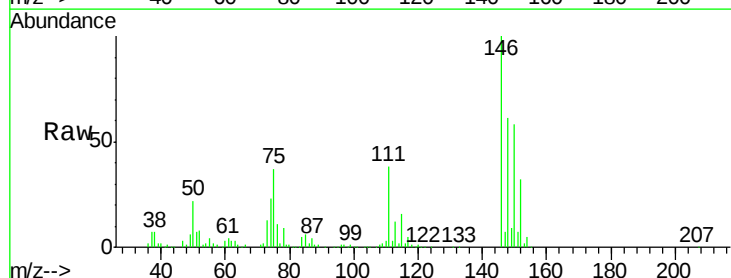
Tgt Ion:146 Resp: 120178

Ion Ratio Lower Upper

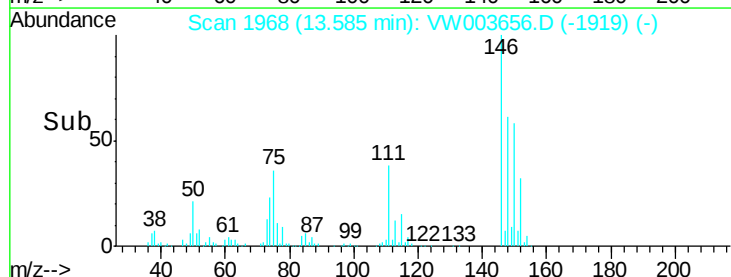
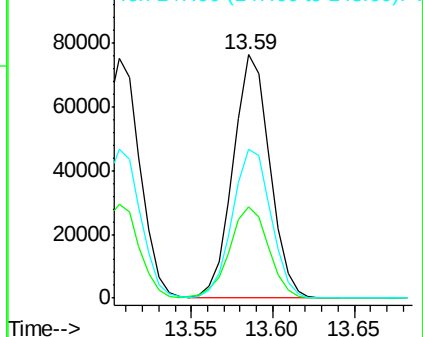
146 100

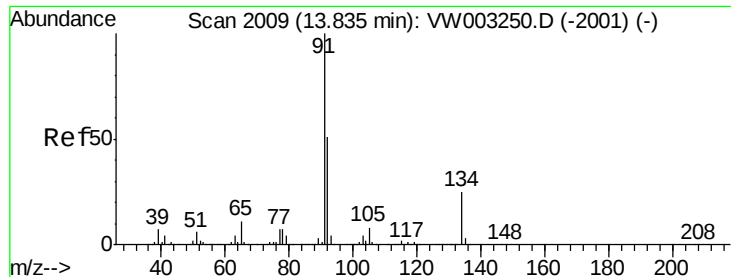
111 39.8 19.2 57.6

148 64.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

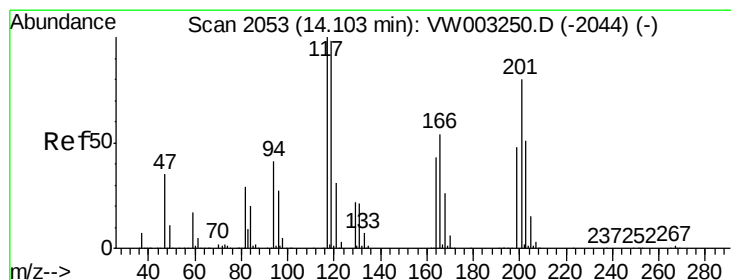
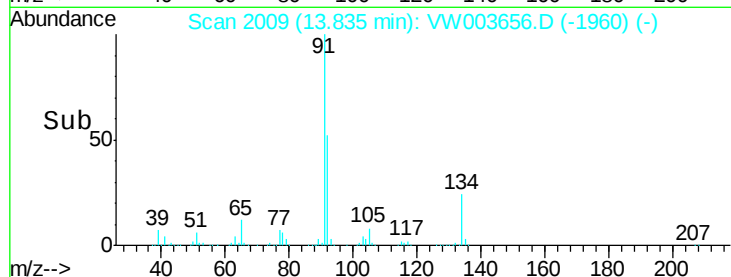
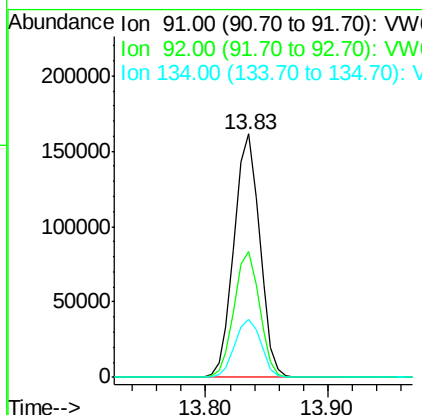
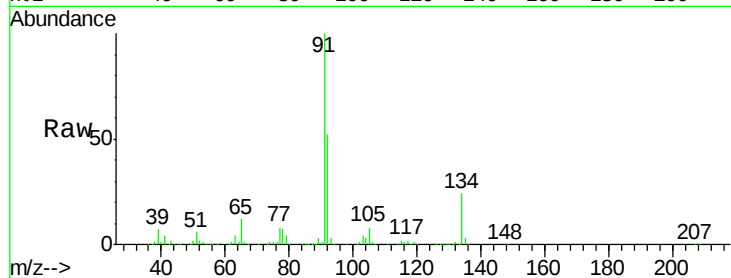




#89
n-Butylbenzene
Concen: 21.799 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

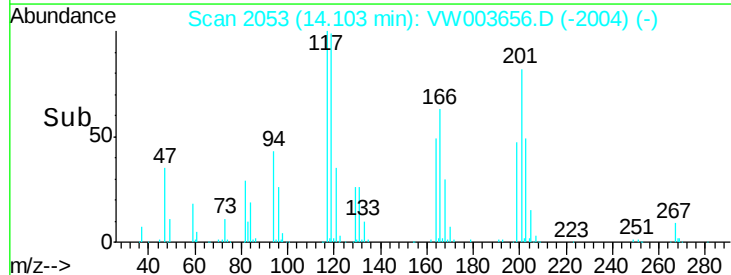
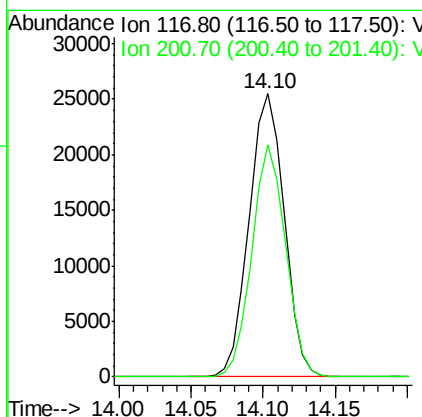
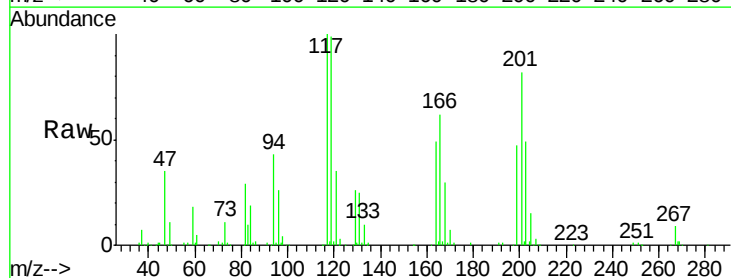
Instrument :
MSVOA_W
ClientSampled :

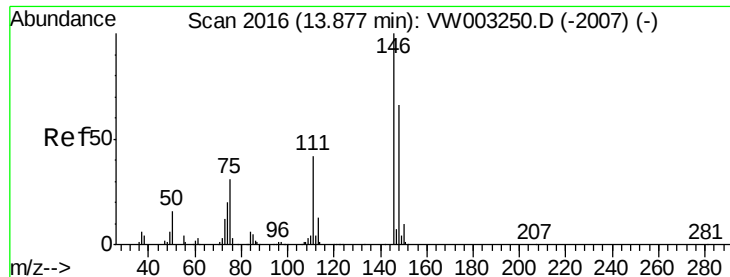
Tot Ion: 91 Resp: 235007
Ion Ratio Lower Upper
91 100
92 51.2 26.0 78.0
134 24.3 12.7 38.0



#90
Hexachloroethane
Concen: 21.487 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion: 117 Resp: 42989
Ion Ratio Lower Upper
117 100
201 78.4 39.5 118.5

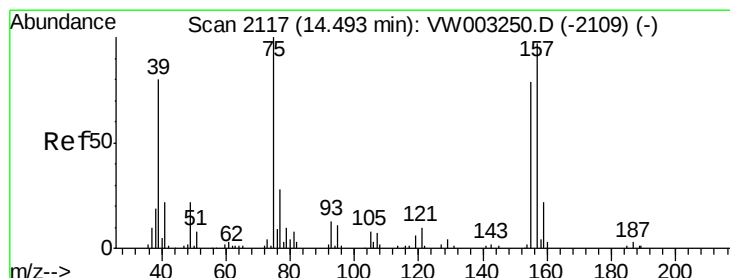
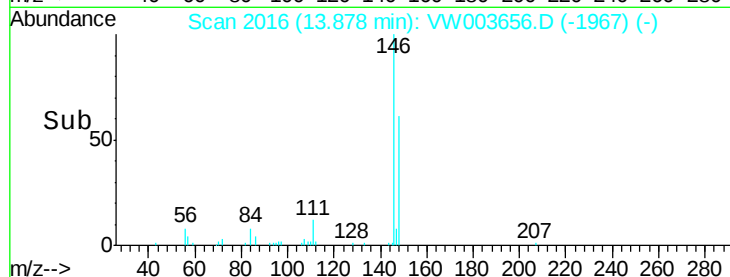
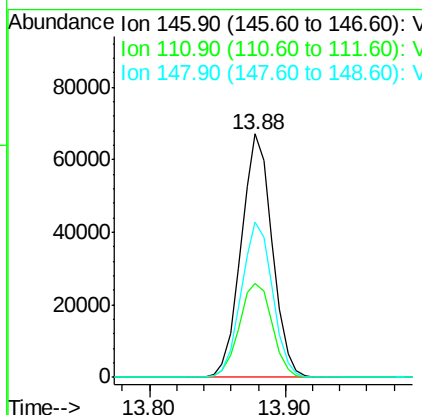
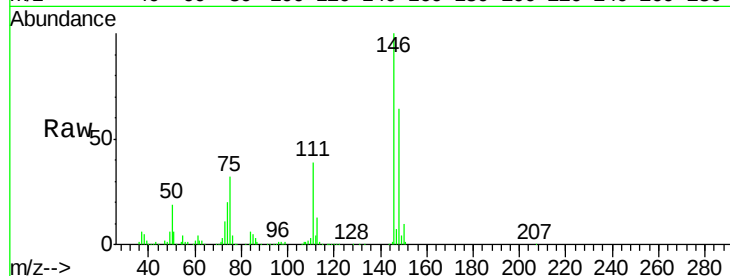




#91
 1,2-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

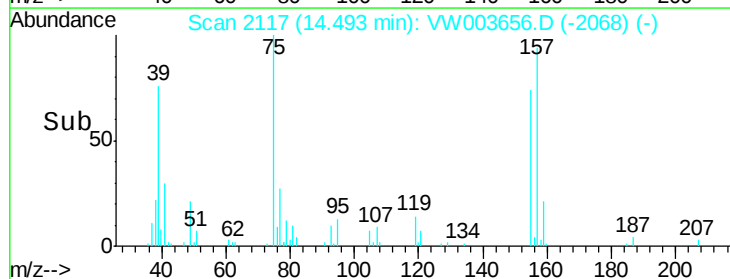
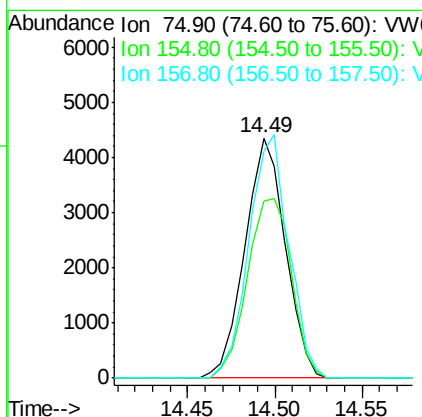
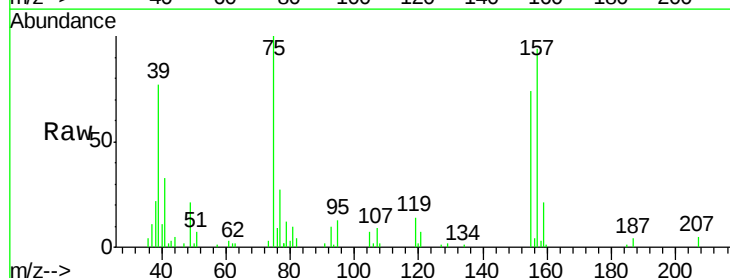
Instrument :
 MSVOA_W
 ClientSampleId :

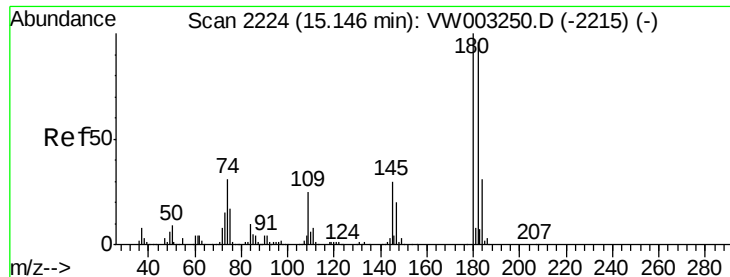
Tot Ion:146 Resp: 106785
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.3 61.0
 148 64.1 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.839 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion: 75 Resp: 6997
 Ion Ratio Lower Upper
 75 100
 155 81.3 39.4 118.2
 157 99.6 51.5 154.5

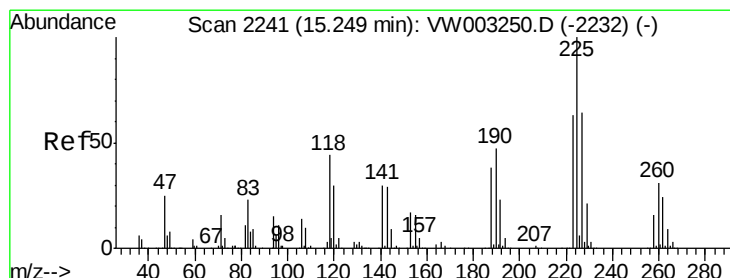
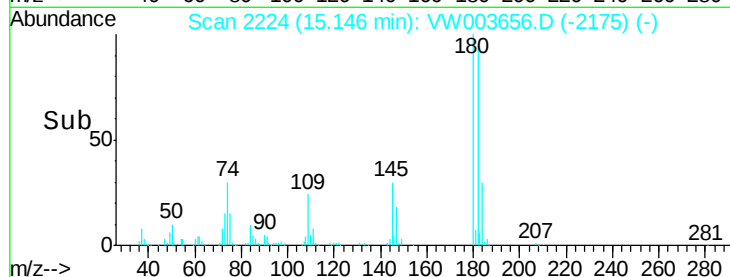
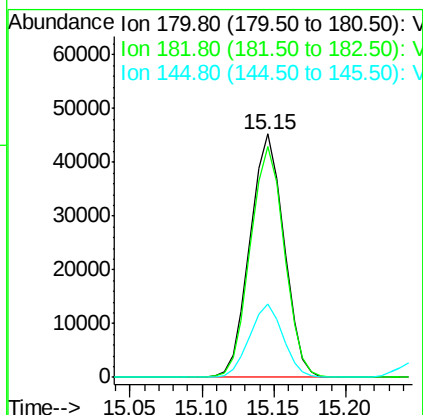
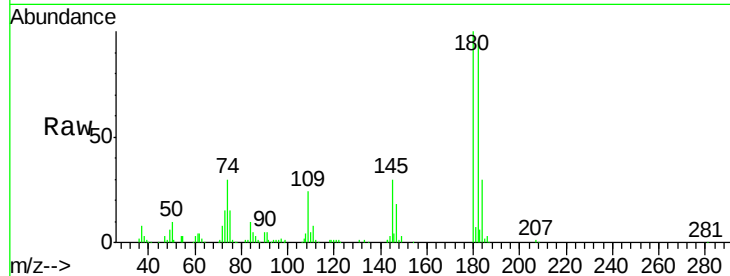




#93
 1,2,4-Trichlorobenzene
 Concen: 21.300 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

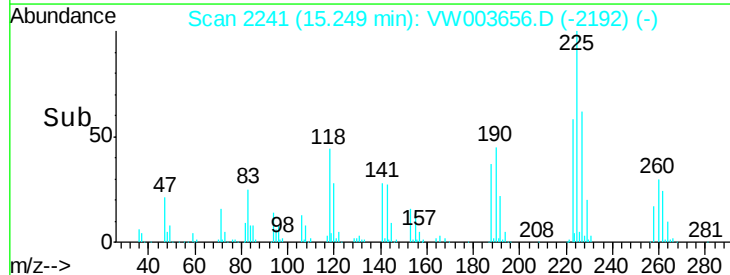
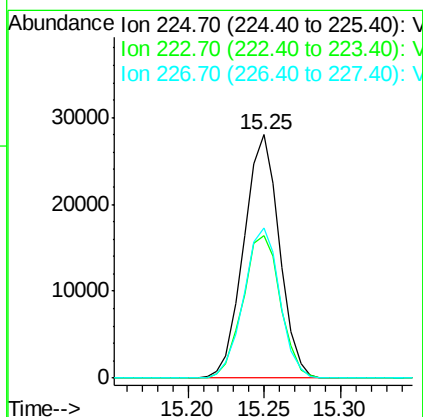
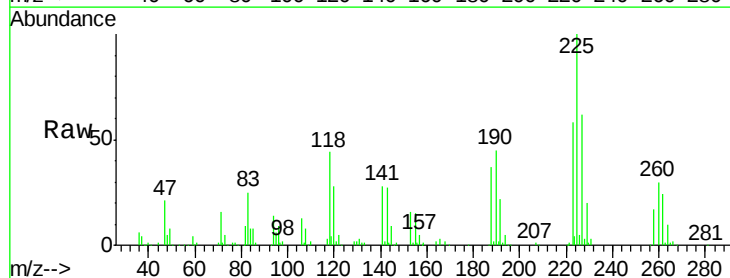
Instrument :
 MSVOA_W
 ClientSampled :

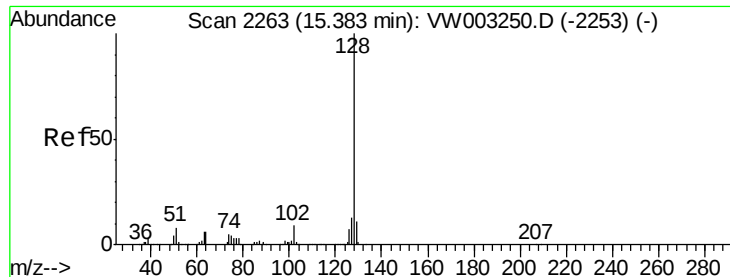
Tot Ion:180 Resp: 73902
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.6
 145 29.7 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 21.717 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003656.D
 Acq: 29 Jun 2018 13:23

Tgt Ion:225 Resp: 45326
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.6 92.0
 227 62.2 31.7 95.1

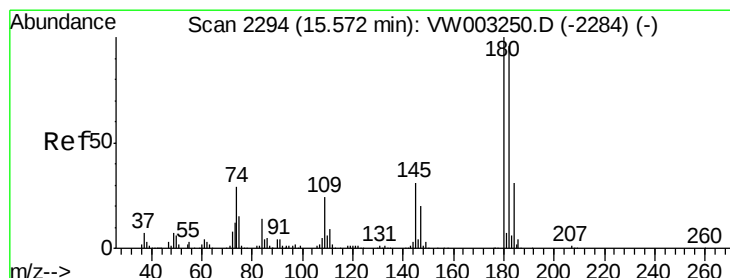
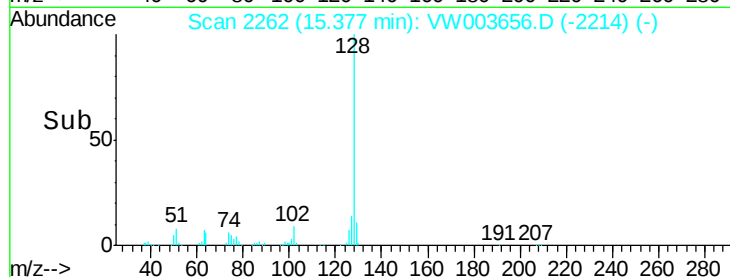
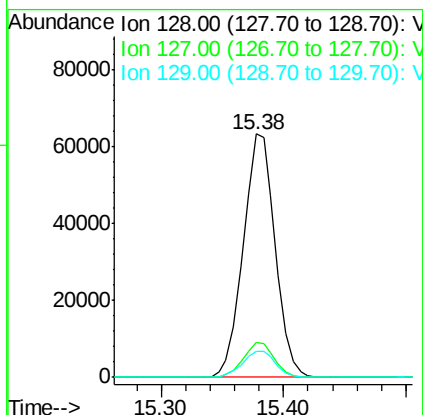
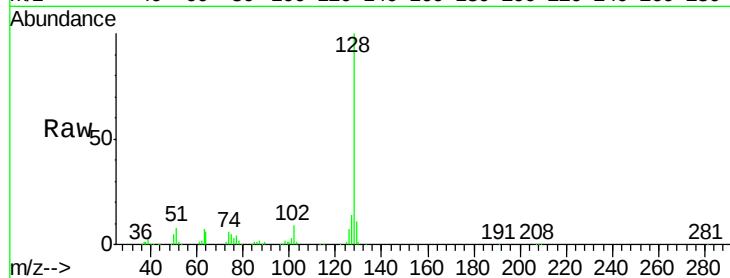




#95
Naphthalene
Concen: 19.439 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 114407
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.707 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VW003656.D
Acq: 29 Jun 2018 13:23

Tgt Ion:180 Resp: 63240
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.6
145 31.8 15.8 47.4

