

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003637.D
 Acq On : 28 Jun 2018 14:40
 Operator : SY/AP
 Sample : J3709-03MSD
 Misc : 4.92G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:44:12 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	146459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	225280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	168982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	102793	64.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.60%	
35) Dibromofluoromethane	7.89	113	83852	59.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.80%	
50) Toluene-d8	10.33	98	274976	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	69636	35.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33827	76.397	ug/l	96
3) Chloromethane	2.21	50	64490	57.645	ug/l	96
4) Vinyl Chloride	2.36	62	91231	55.940	ug/l	100
5) Bromomethane	2.78	94	57401	52.954	ug/l	93
6) Chloroethane	2.92	64	58985	51.959	ug/l	95
7) Trichlorofluoromethane	3.25	101	48418	49.556	ug/l	95
8) Diethyl Ether	3.68	74	47439	66.096	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	63517	46.817	ug/l	99
10) Methyl Iodide	4.27	142	111002	54.100	ug/l	100
11) Tert butyl alcohol	5.25	59	33762	396.832	ug/l	97
12) 1,1-Dichloroethene	4.03	96	71825	54.174	ug/l	94
13) Acrolein	3.90	56	9227	75.855	ug/l	95
14) Allyl chloride	4.66	41	135266	58.900	ug/l	97
15) Acrylonitrile	5.38	53	121146	410.250	ug/l	99
16) Acetone	4.15	43	125480	377.144	ug/l	99
17) Carbon Disulfide	4.37	76	194603	49.648	ug/l	98
18) Methyl Acetate	4.68	43	143693	182.053	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	182003	73.294	ug/l	97
20) Methylene Chloride	4.92	84	93417	67.372	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	79475	55.080	ug/l	98
22) Diisopropyl ether	6.32	45	296552	64.161	ug/l	99
23) Vinyl Acetate	6.26	43	406697	152.693	ug/l	99
24) 1,1-Dichloroethane	6.21	63	159509	58.133	ug/l	97
25) 2-Butanone	7.18	43	161958	391.470	ug/l	96
26) 2,2-Dichloropropane	7.17	77	96301	52.588	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	89235	56.297	ug/l	99
28) Bromochloromethane	7.51	49	80112	70.162	ug/l	97
29) Tetrahydrofuran	7.54	42	105092	415.630	ug/l	100
30) Chloroform	7.68	83	161573	57.799	ug/l	99
31) Cyclohexane	7.96	56	88691	34.599	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	118812	51.492	ug/l	99
36) 1,1-Dichloropropene	8.09	75	107261	49.301	ug/l	99
37) Ethyl Acetate	7.26	43	56742	62.955	ug/l	99
38) Carbon Tetrachloride	8.07	117	103037	48.282	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003637.D
 Acq On : 28 Jun 2018 14:40
 Operator : SY/AP
 Sample : J3709-03MSD
 Misc : 4.92G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:44:12 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	60091	23.871	ug/l	98
40) Benzene	8.32	78	330404	55.095	ug/l	100
41) Methacrylonitrile	7.49	41	44498	80.454	ug/l	99
42) 1,2-Dichloroethane	8.40	62	123732	65.854	ug/l	98
43) Isopropyl Acetate	8.43	43	117824	65.836	ug/l	99
44) Trichloroethene	9.09	130	76446	48.108	ug/l	98
45) 1,2-Dichloropropane	9.37	63	89317	58.495	ug/l	100
46) Dibromomethane	9.46	93	51080	65.341	ug/l	99
47) Bromodichloromethane	9.65	83	115800	57.789	ug/l	98
48) Methyl methacrylate	9.45	41	75994	90.356	ug/l	93
49) 1,4-Dioxane	9.49	88	17944	1520.232	ug/l #	66
51) 4-Methyl-2-Pentanone	10.22	43	369270	404.933	ug/l	100
52) Toluene	10.39	92	184634	48.012	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	119184	58.226	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	132288	56.782	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	69467	63.061	ug/l	97
56) Ethyl methacrylate	10.65	69	76573	57.243	ug/l	99
57) 1,3-Dichloropropane	10.94	76	119780	63.045	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	216507	361.050	ug/l	97
59) 2-Hexanone	10.98	43	247291	388.174	ug/l	100
60) Dibromochloromethane	11.13	129	73419	56.044	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63849	61.275	ug/l	99
64) Tetrachloroethene	10.87	164	49152	43.488	ug/l	97
65) Chlorobenzene	11.66	112	172499	49.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	70332	56.875	ug/l	98
67) Ethyl Benzene	11.74	91	291898	46.796	ug/l	100
68) m/p-Xylenes	11.85	106	218049	91.958	ug/l	99
69) o-Xylene	12.17	106	103469	47.084	ug/l	98
70) Styrene	12.19	104	169076	46.223	ug/l	99
71) Bromoform	12.35	173	40896	63.811	ug/l #	100
73) Isopropylbenzene	12.47	105	232478	60.902	ug/l	99
74) N-amyl acetate	12.28	43	65749	75.673	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	73704	114.128	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	101165	215.622	ug/l #	100
77) Bromobenzene	12.76	156	62209	69.976	ug/l	87
78) n-propylbenzene	12.81	91	253344	54.201	ug/l	100
79) 2-Chlorotoluene	12.90	91	150654	57.034	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	173860	54.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	25061	122.910	ug/l	97
82) 4-Chlorotoluene	12.99	91	157464	56.194	ug/l	100
83) tert-Butylbenzene	13.21	119	131593	48.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	175875	53.361	ug/l	100
85) sec-Butylbenzene	13.39	105	160165	39.461	ug/l	99
86) p-Isopropyltoluene	13.51	119	142777	39.884	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	88136	48.260	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	88213	48.587	ug/l	99
89) n-Butylbenzene	13.83	91	107053	30.679	ug/l	98
90) Hexachloroethane	14.10	117	24752	38.222	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	79195	49.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11079	101.943	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
Data File : VW003637.D
Acq On : 28 Jun 2018 14:40
Operator : SY/AP
Sample : J3709-03MSD
Misc : 4.92G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jun 29 06:44:12 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

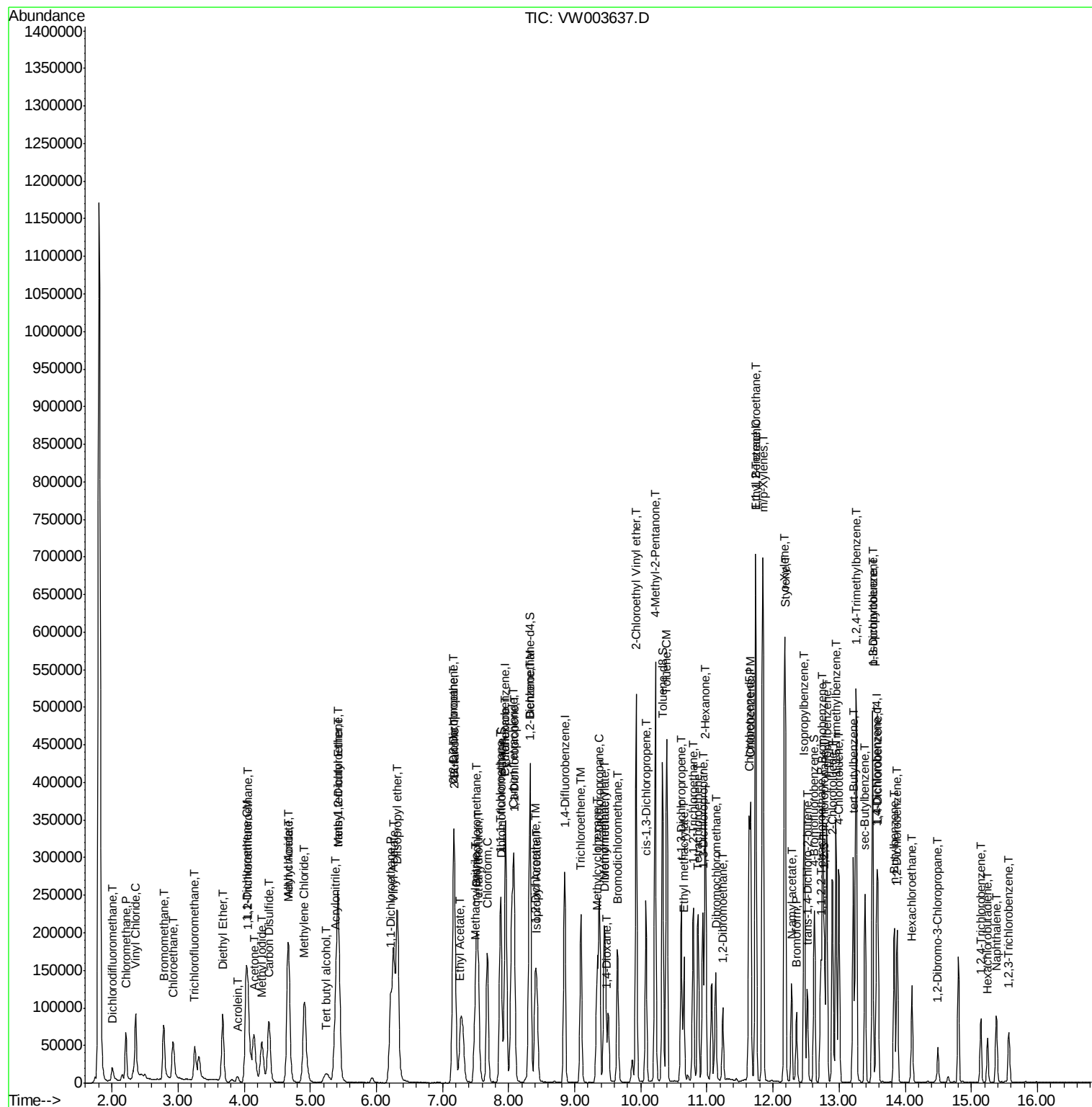
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	26240	23.365	ug/l	100
94) Hexachlorobutadiene	15.25	225	11326	16.766	ug/l	99
95) Naphthalene	15.38	128	75571	39.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	22197	22.455	ug/l	100

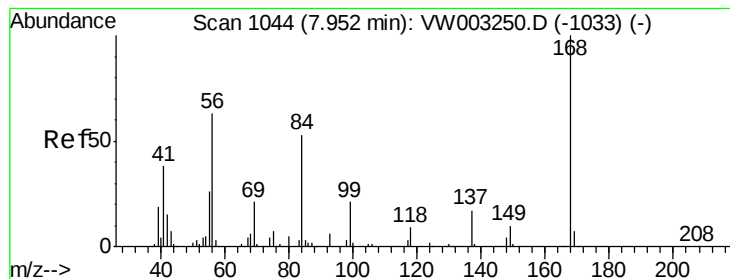
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003637.D
 Acq On : 28 Jun 2018 14:40
 Operator : SY/AP
 Sample : J3709-03MSD
 Misc : 4.92G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:44:12 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

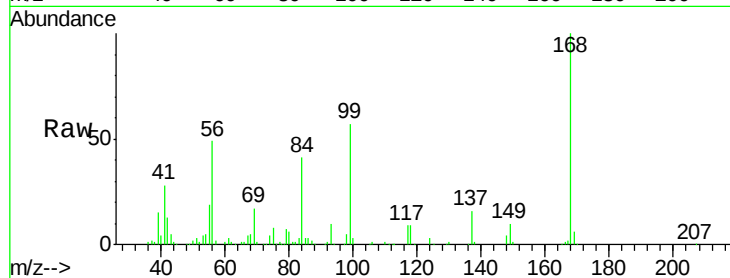
ClientSampled :

Tot Ion:168 Resp: 146459

Ion Ratio Lower Upper

168 100

99 57.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

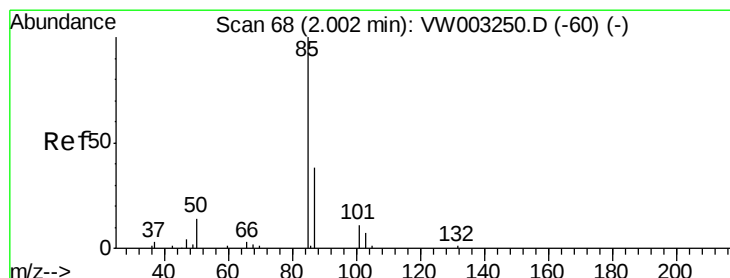
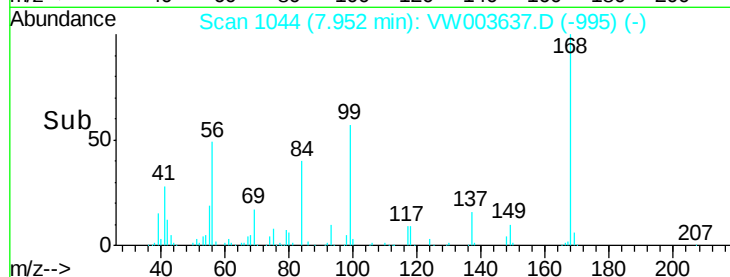
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 76.397 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003637.D

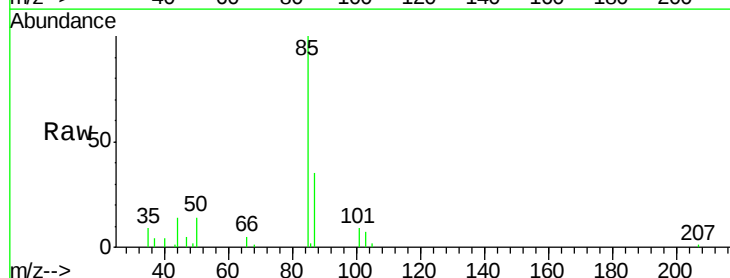
Acq: 28 Jun 2018 14:40

Tgt Ion: 85 Resp: 33827

Ion Ratio Lower Upper

85 100

87 35.3 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

10000

8000

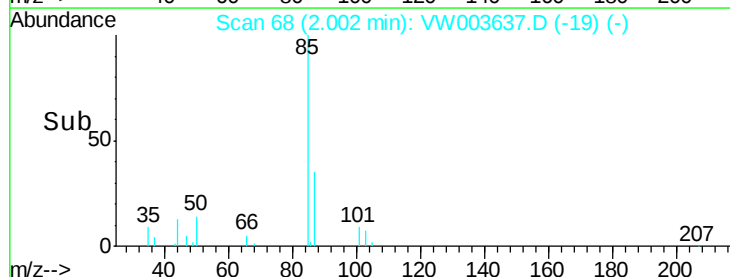
6000

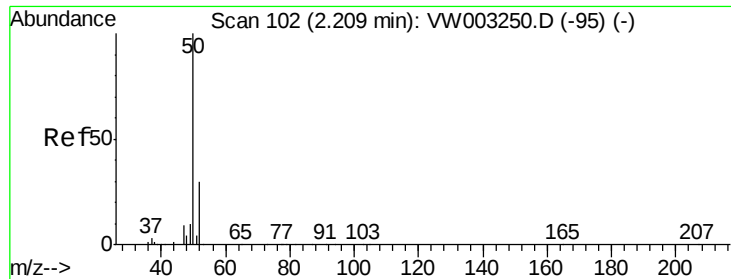
4000

2000

0

Time-->





#3

Chloromethane

Concen: 57.645 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

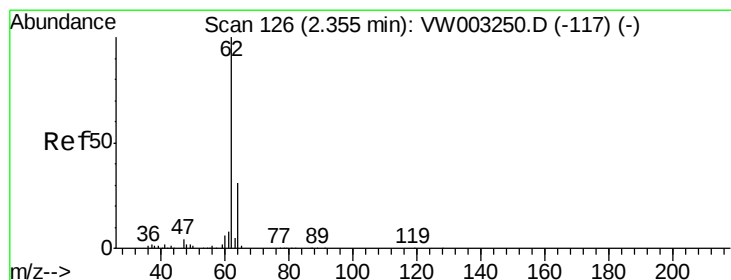
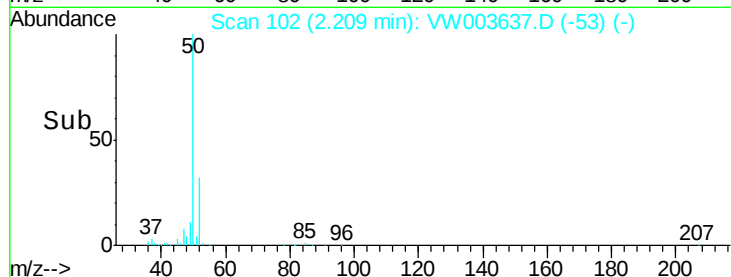
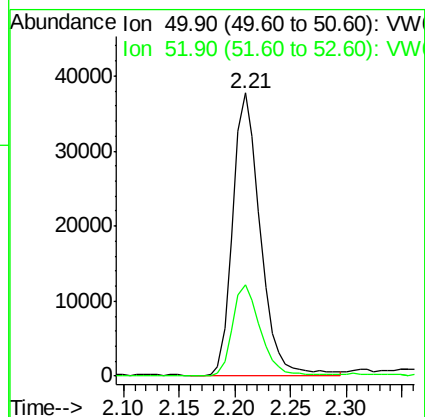
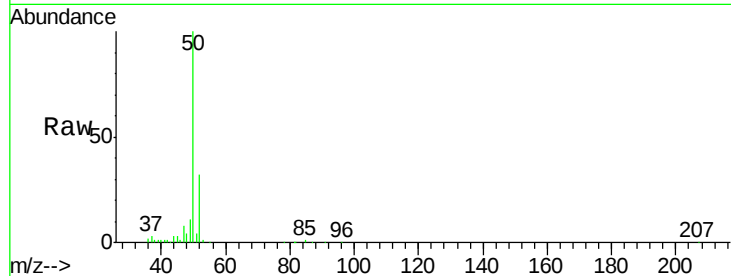
ClientSampleId :

Tot Ion: 50 Resp: 64490

Ion Ratio Lower Upper

50 100

52 32.3 24.2 36.2



#4

Vinyl Chloride

Concen: 55.940 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003637.D

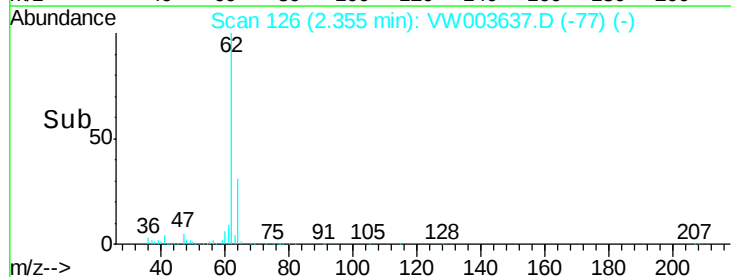
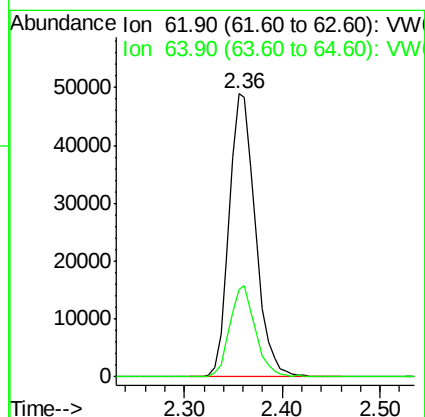
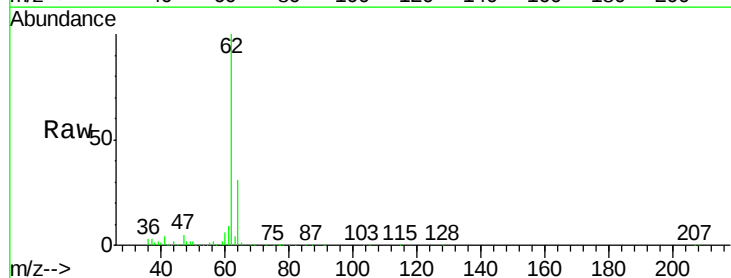
Acq: 28 Jun 2018 14:40

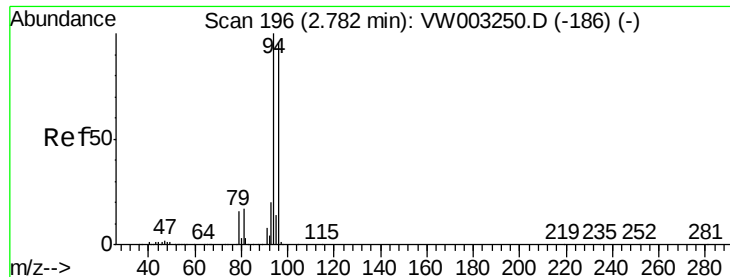
Tgt Ion: 62 Resp: 91231

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3





#5

Bromomethane

Concen: 52.954 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

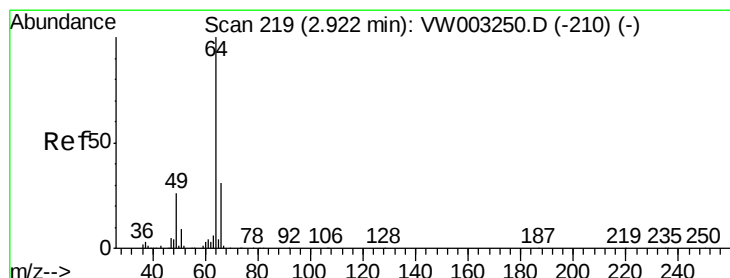
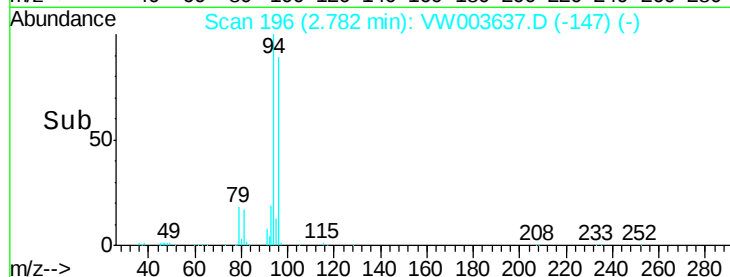
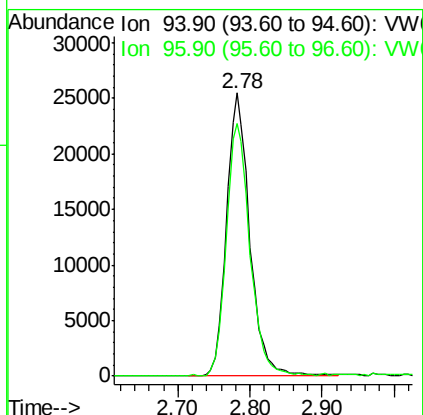
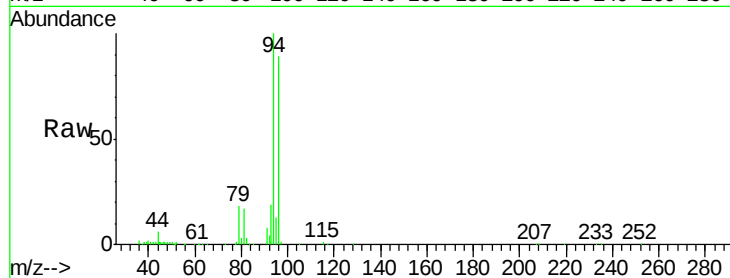
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 57401

Ion Ratio Lower Upper

94 100

96 89.1 76.5 114.7



#6

Chloroethane

Concen: 51.959 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003637.D

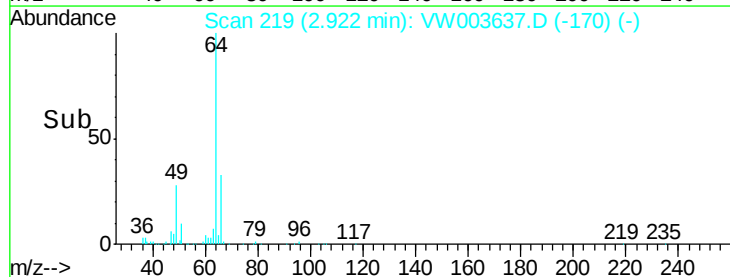
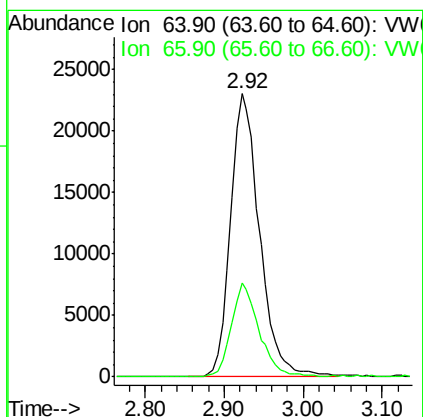
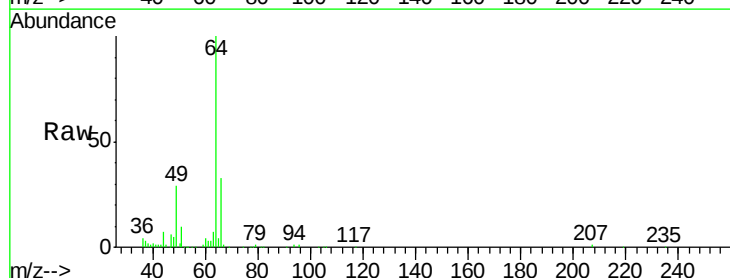
Acq: 28 Jun 2018 14:40

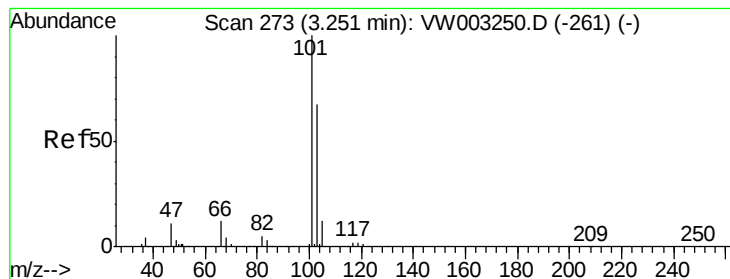
Tgt Ion: 64 Resp: 58985

Ion Ratio Lower Upper

64 100

66 33.4 24.4 36.6



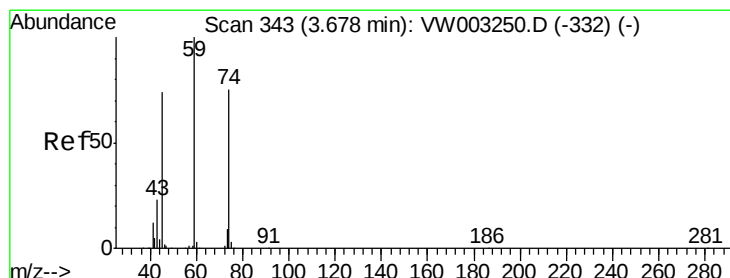
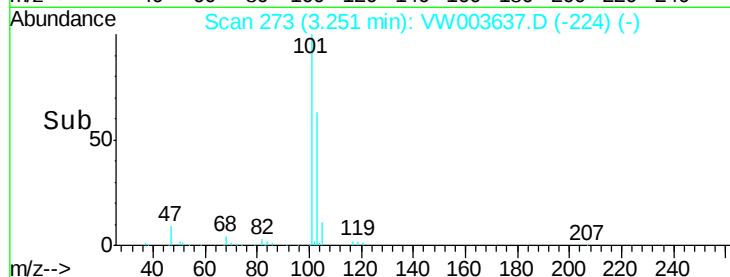
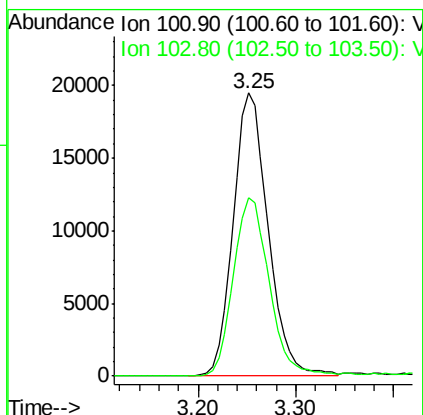
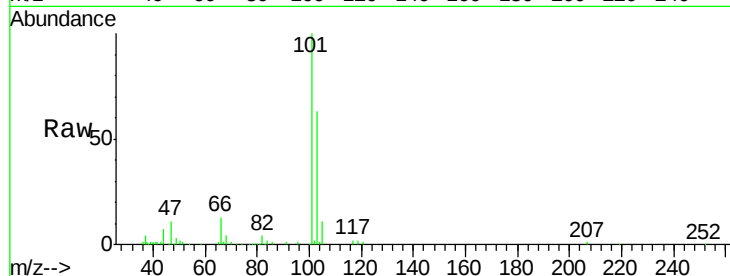


#7

Trichlorofluoromethane
Concen: 49.556 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampleId :

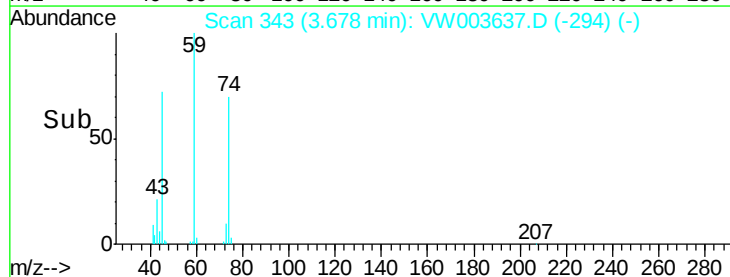
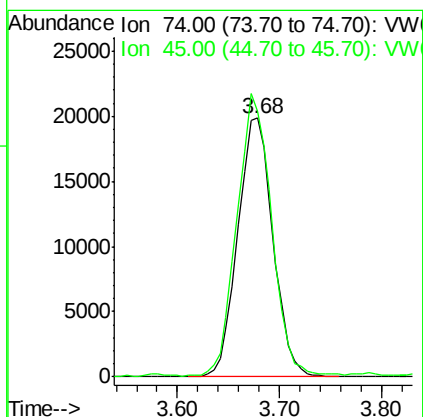
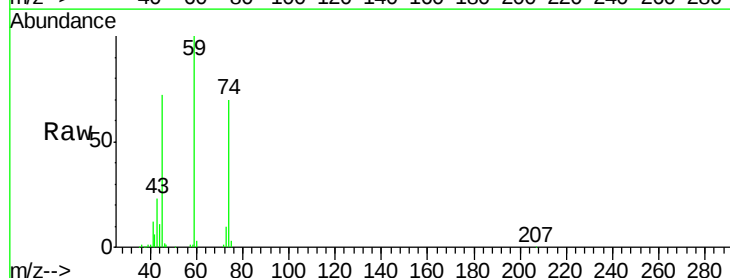
Tot Ion:101 Resp: 48418
Ion Ratio Lower Upper
101 100
103 63.1 53.4 80.0

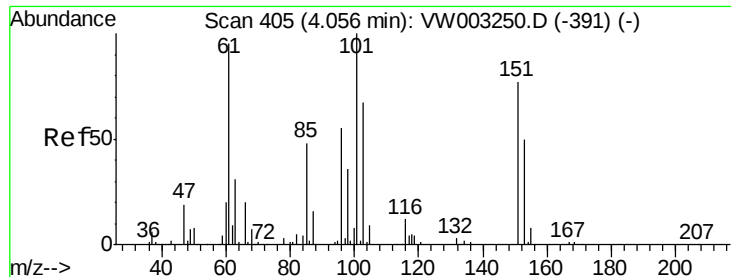


#8

Diethyl Ether
Concen: 66.096 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 74 Resp: 47439
Ion Ratio Lower Upper
74 100
45 107.0 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.817 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

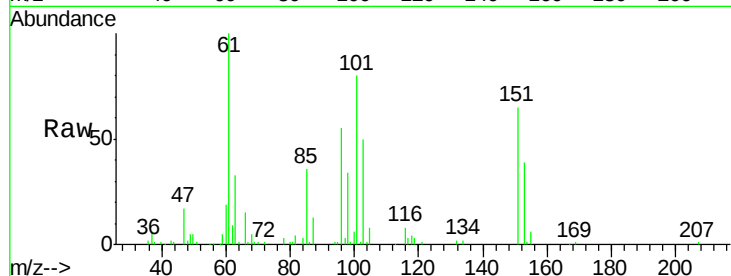
Tot Ion:101 Resp: 63517

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.6

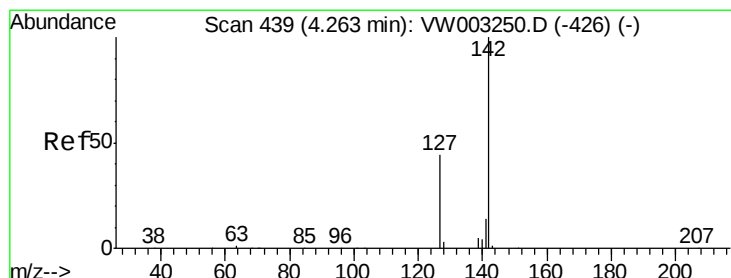
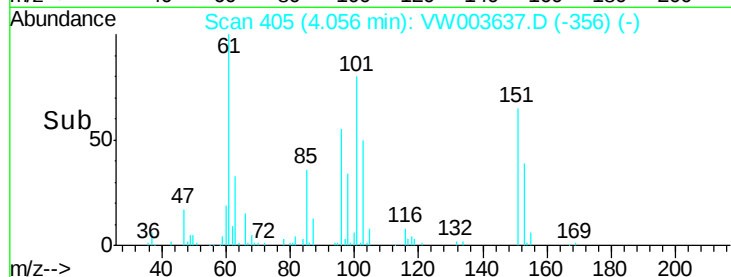
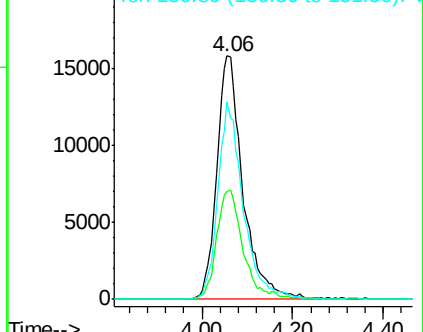
151 78.1 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.100 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

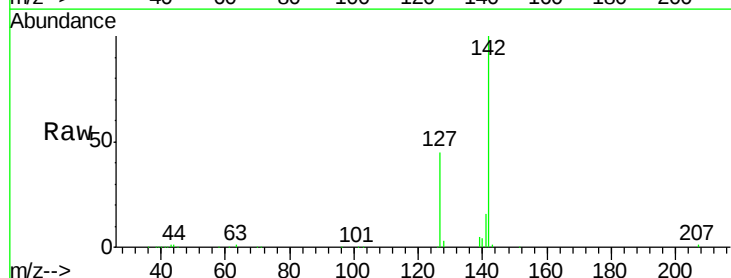
Tgt Ion:142 Resp: 111002

Ion Ratio Lower Upper

142 100

127 45.5 36.5 54.7

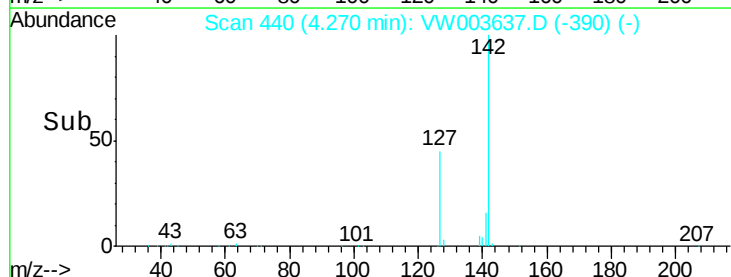
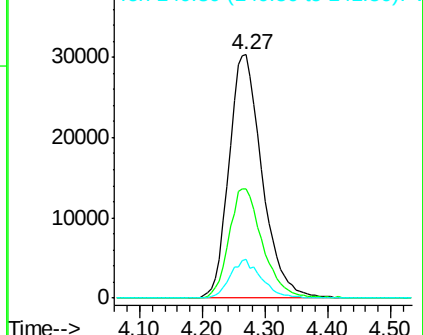
141 15.1 12.1 18.1

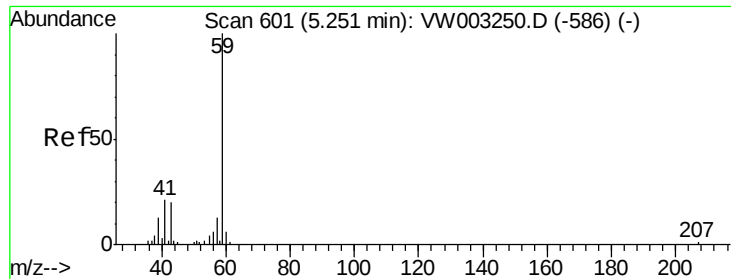


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



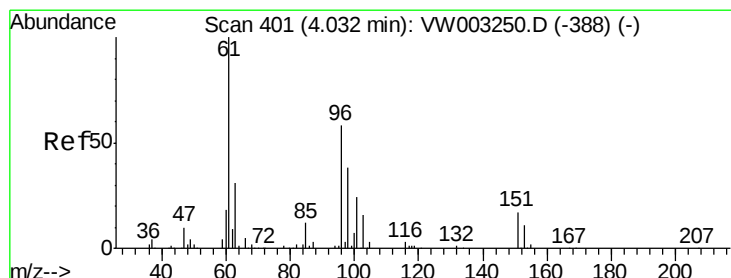
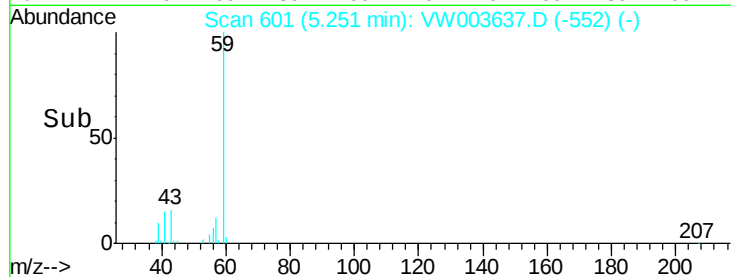
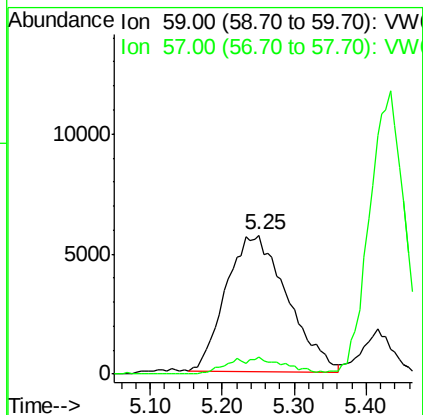
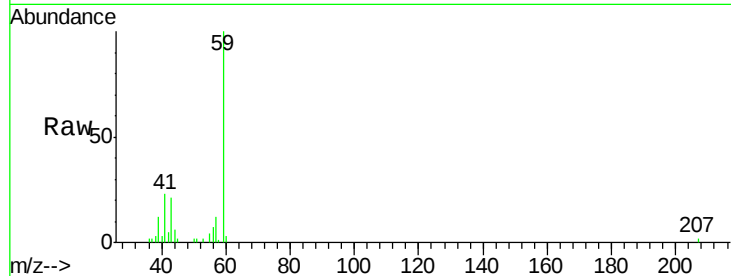


#11

Tert butyl alcohol
Concen: 396.832 ug/l
RT: 5.25 min Scan# 601
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

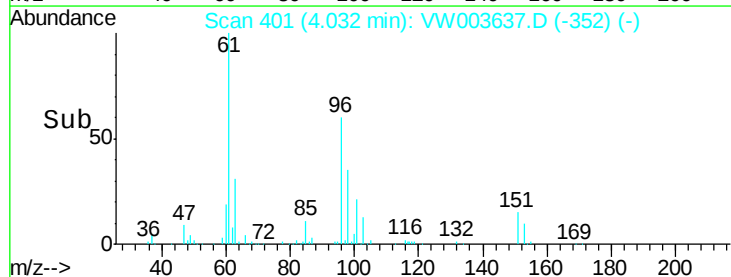
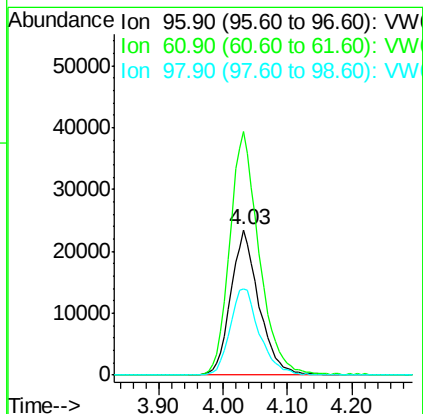
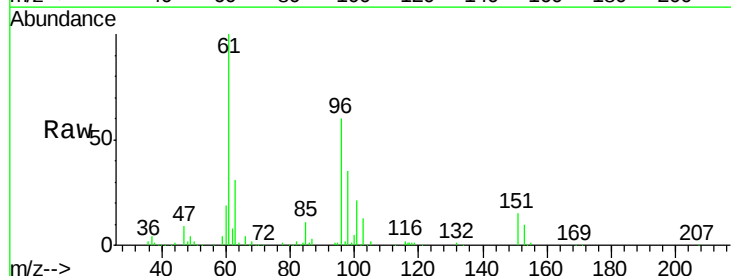
Tot Ion: 59 Resp: 33762
Ion Ratio Lower Upper
59 100
57 6.1 4.2 6.2

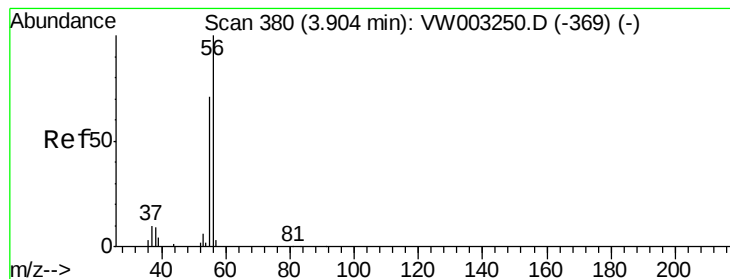


#12

1,1-Dichloroethene
Concen: 54.174 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 96 Resp: 71825
Ion Ratio Lower Upper
96 100
61 167.4 139.0 208.4
98 59.1 53.3 79.9





#13

Acrolein

Concen: 75.855 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

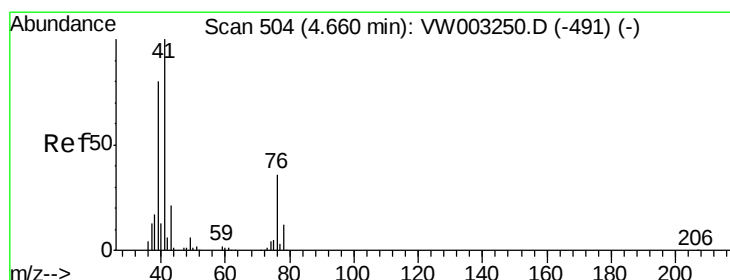
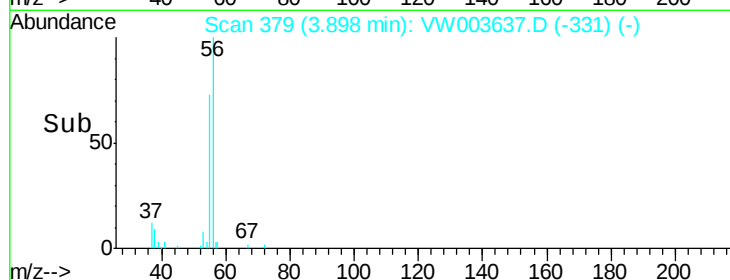
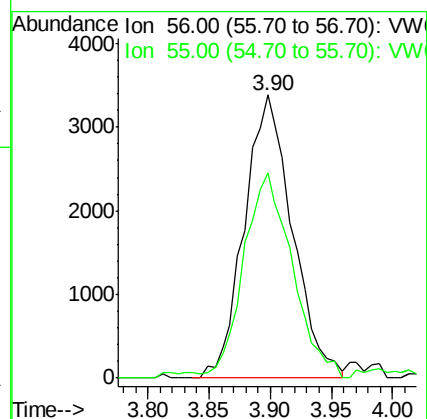
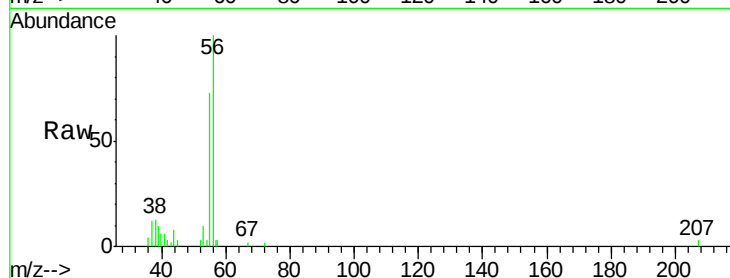
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 9227

Ion Ratio Lower Upper

56 100

55 73.3 55.4 83.2



#14

Allyl chloride

Concen: 58.900 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

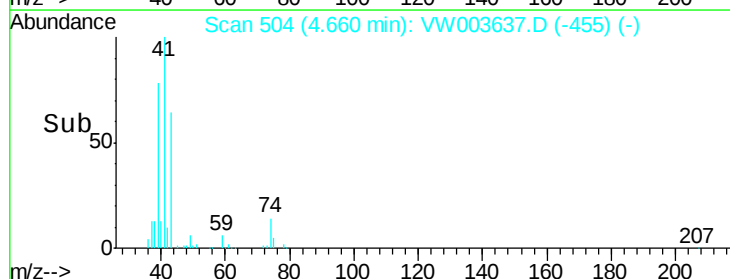
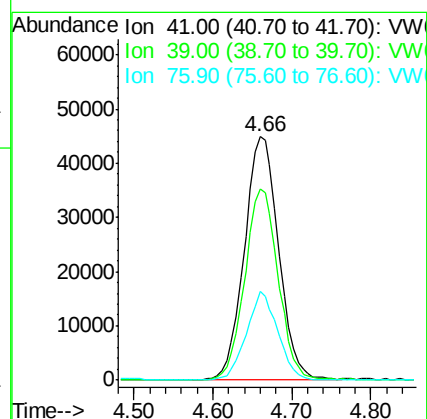
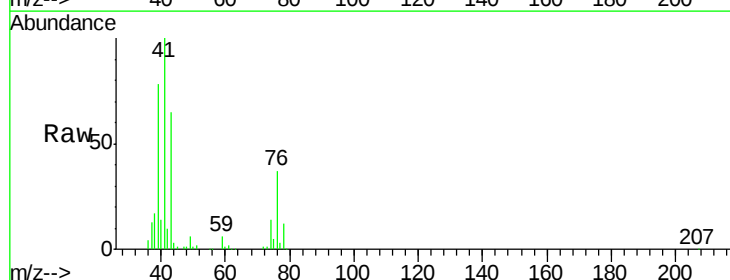
Tgt Ion: 41 Resp: 135266

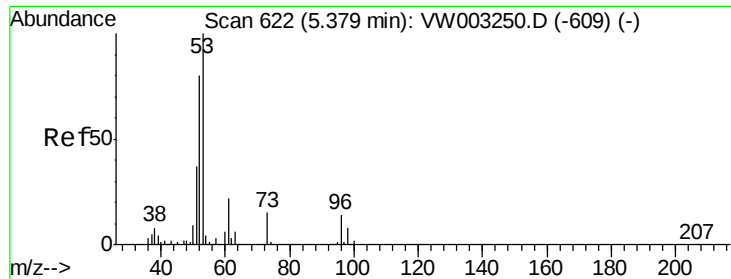
Ion Ratio Lower Upper

41 100

39 76.3 63.2 94.8

76 33.4 28.0 42.0





#15

Acrylonitrile

Concen: 410.250 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

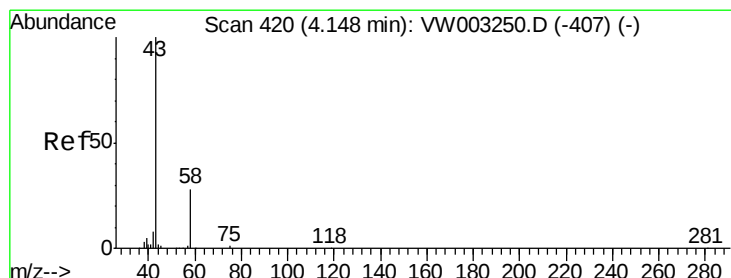
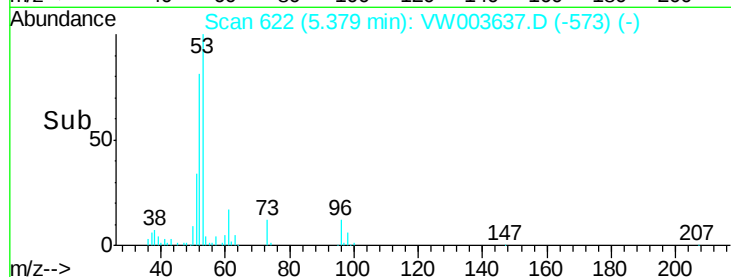
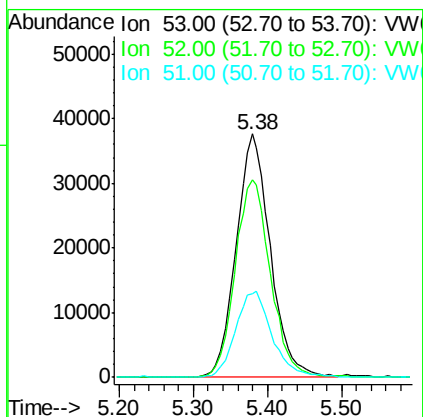
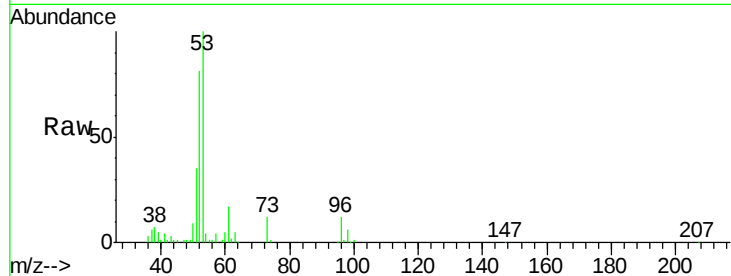
Tot Ion: 53 Resp: 121146

Ion Ratio Lower Upper

53 100

52 84.0 66.6 100.0

51 37.9 30.6 46.0



#16

Acetone

Concen: 377.144 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003637.D

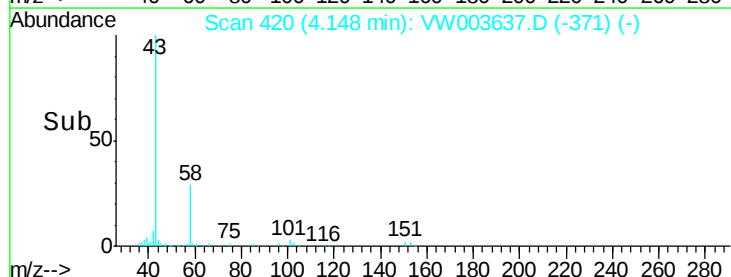
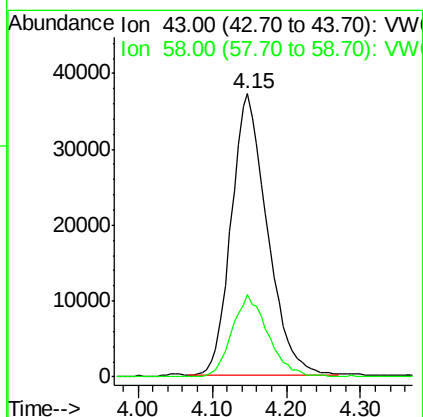
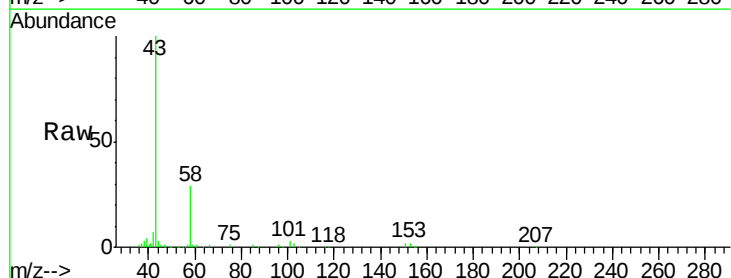
Acq: 28 Jun 2018 14:40

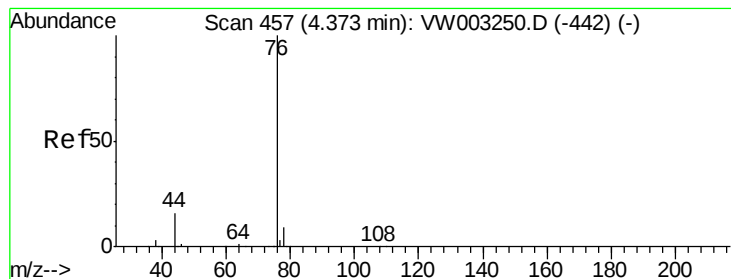
Tgt Ion: 43 Resp: 125480

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0





#17

Carbon Disulfide

Concen: 49.648 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

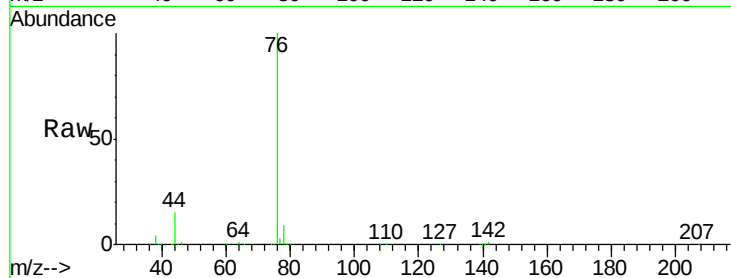
ClientSampleId :

Tot Ion: 76 Resp: 194603

Ion Ratio Lower Upper

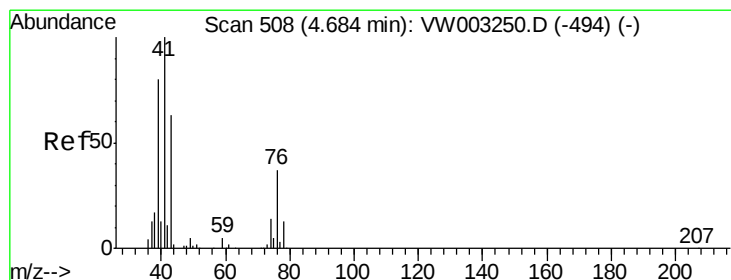
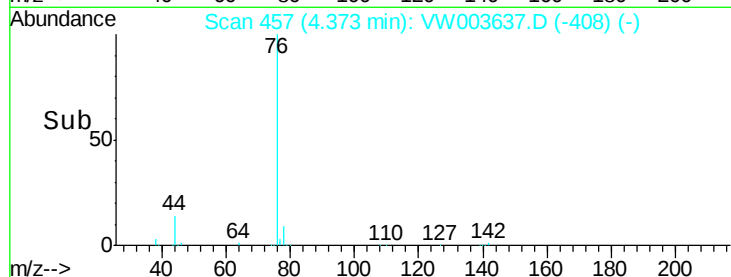
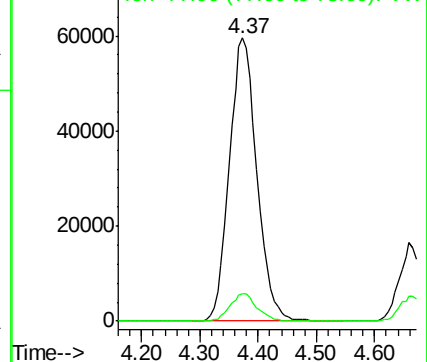
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 182.053 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003637.D

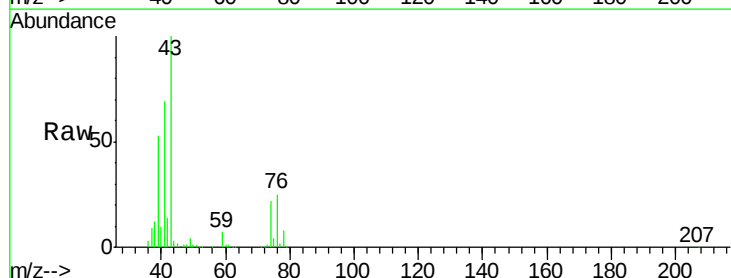
Acq: 28 Jun 2018 14:40

Tgt Ion: 43 Resp: 143693

Ion Ratio Lower Upper

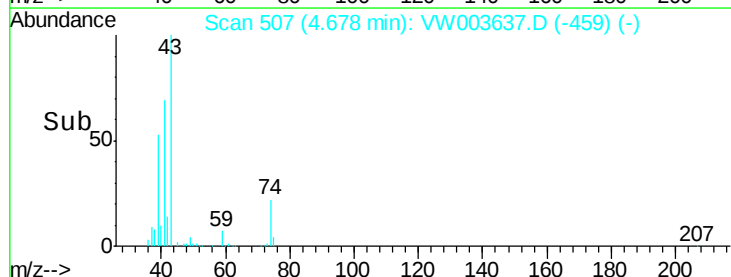
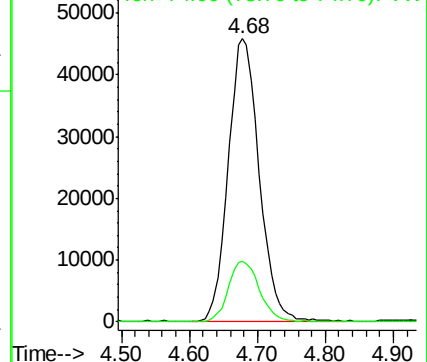
43 100

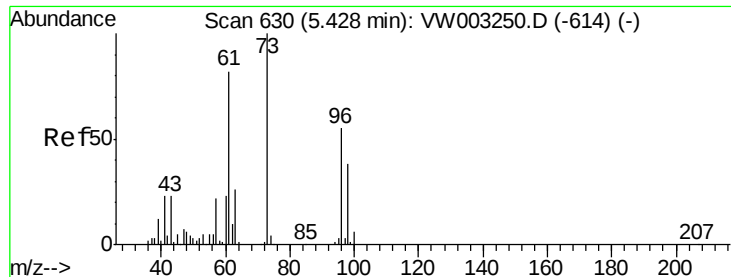
74 21.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

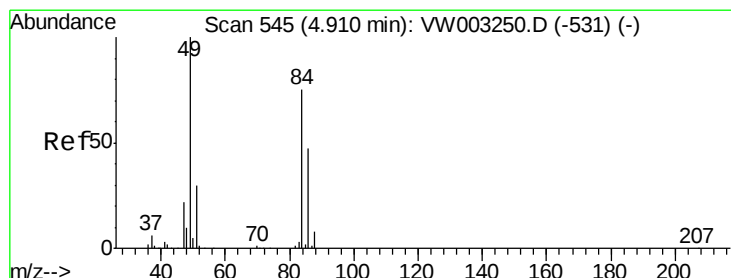
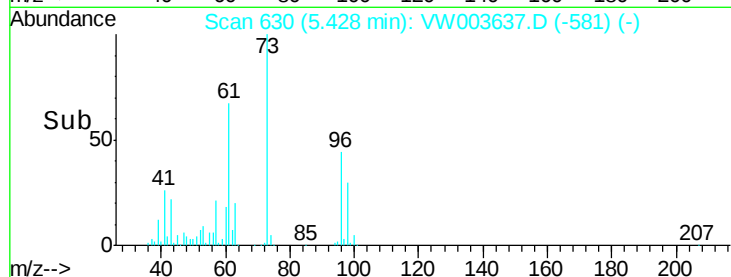
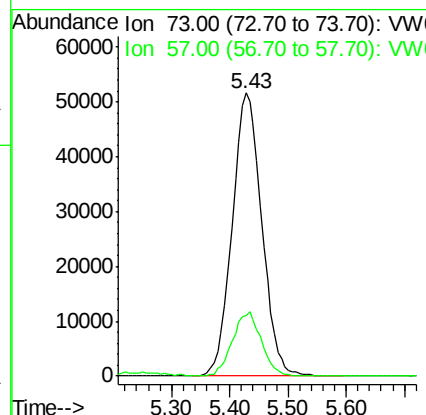
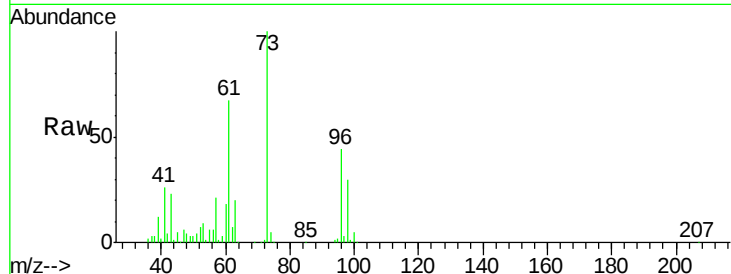




#19
Methyl tert-butyl Ether
Concen: 73.294 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

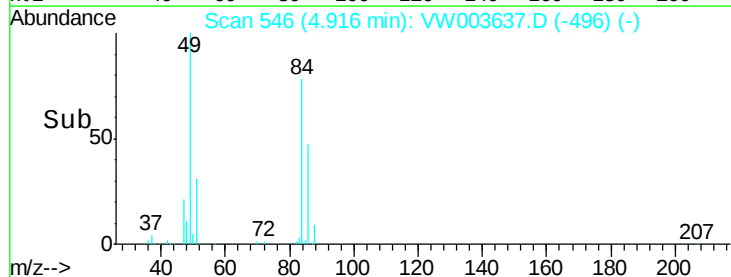
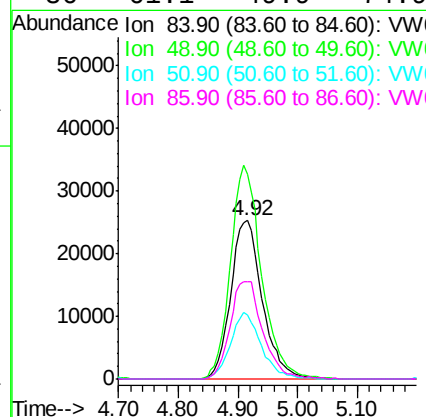
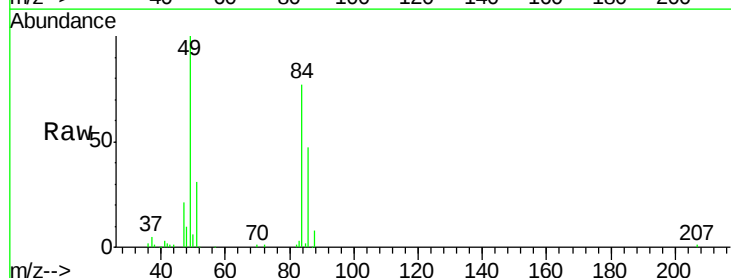
Instrument :
MSVOA_W
ClientSampleId :

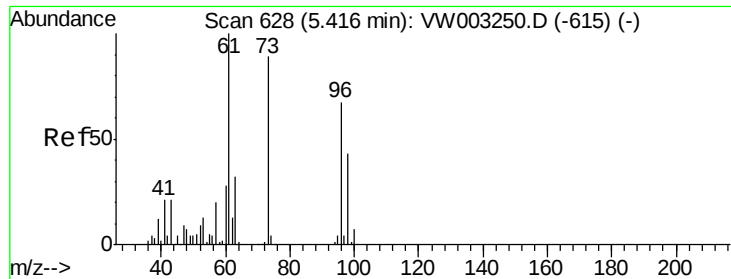
Tot Ion: 73 Resp: 182003
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0



#20
Methylene Chloride
Concen: 67.372 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 84 Resp: 93417
Ion Ratio Lower Upper
84 100
49 129.4 106.3 159.5
51 40.4 32.0 48.0
86 61.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.080 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

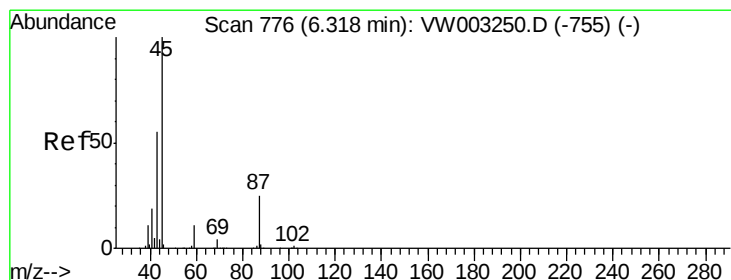
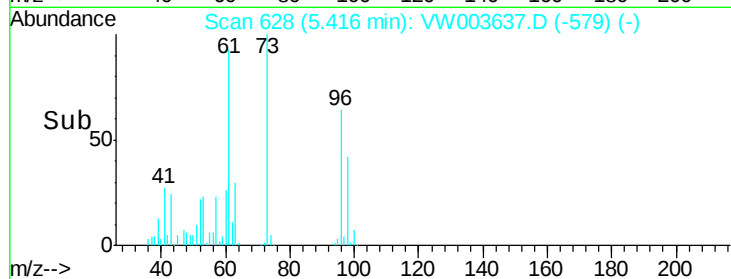
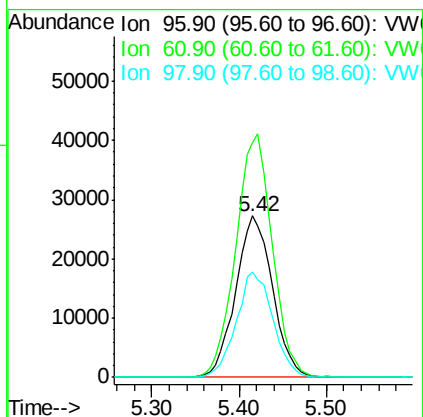
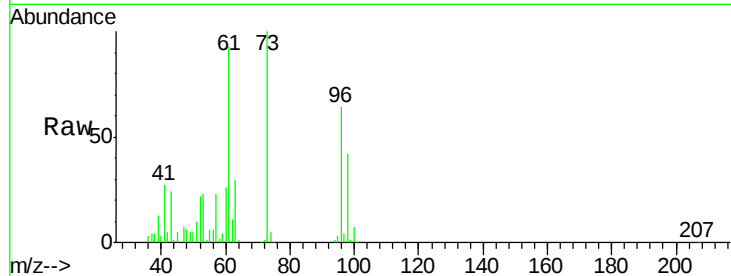
Tot Ion: 96 Resp: 79475

Ion Ratio Lower Upper

96 100

61 145.3 118.7 178.1

98 65.2 51.0 76.6



#22

Diisopropyl ether

Concen: 64.161 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Tgt Ion: 45 Resp: 296552

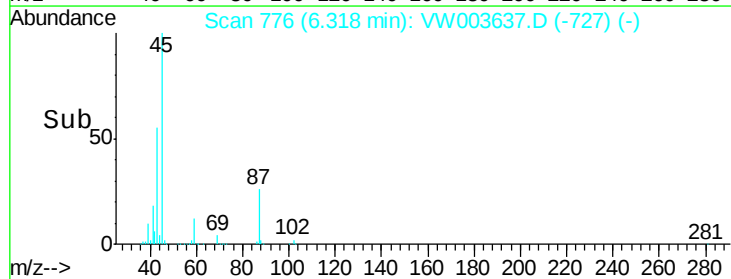
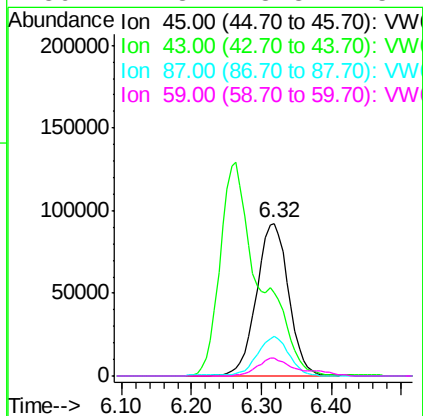
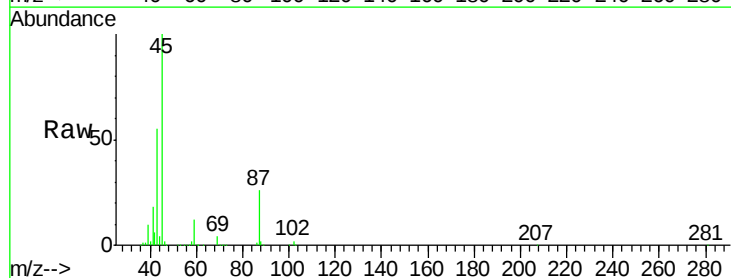
Ion Ratio Lower Upper

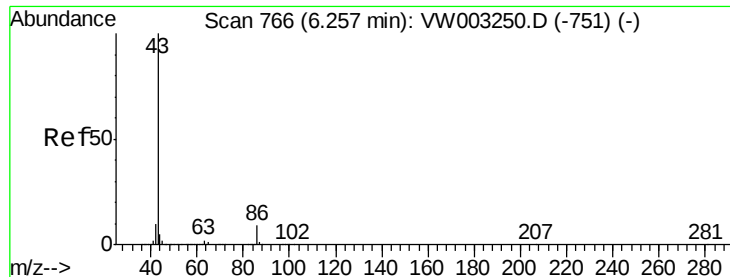
45 100

43 54.5 44.0 66.0

87 25.6 20.6 31.0

59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 152.693 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

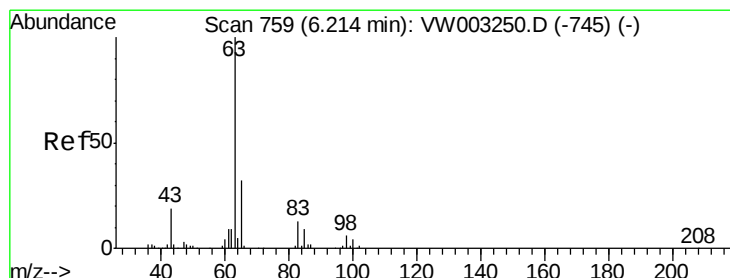
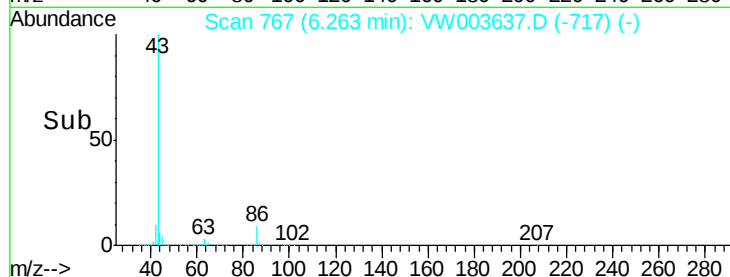
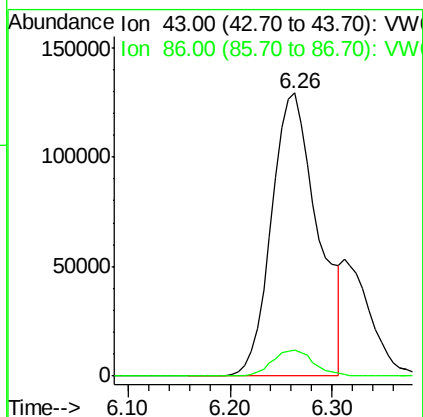
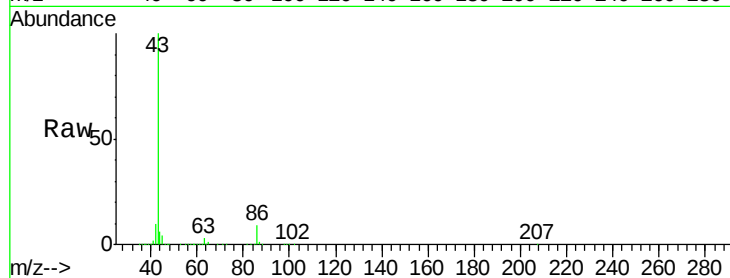
ClientSampled :

Tot Ion: 43 Resp: 406697

Ion Ratio Lower Upper

43 100

86 9.2 7.5 11.3



#24

1,1-Dichloroethane

Concen: 58.133 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

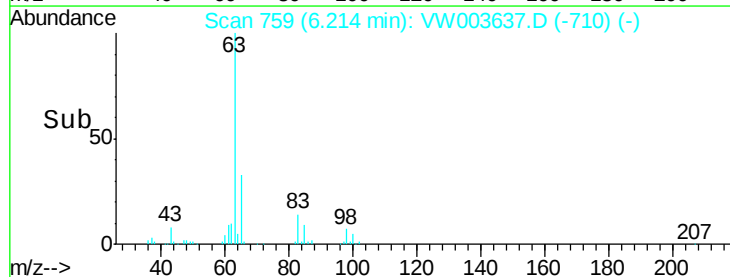
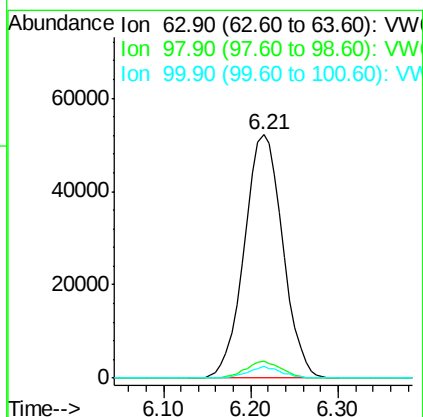
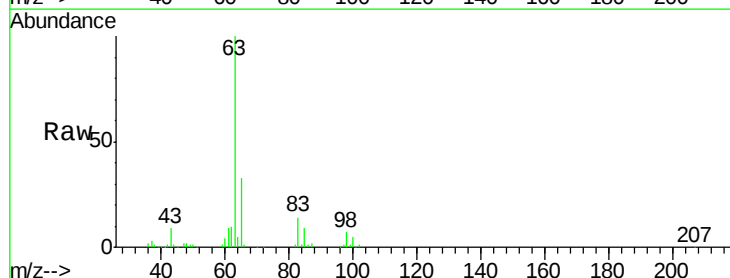
Tgt Ion: 63 Resp: 159509

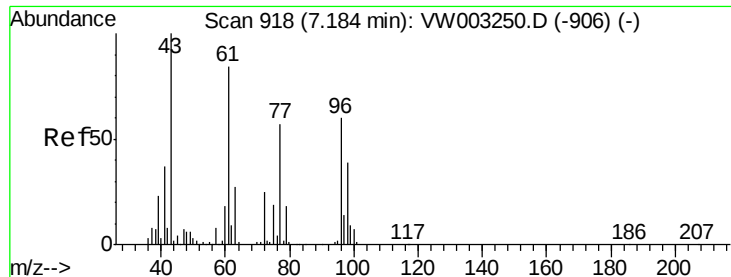
Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.3

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 391.470 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

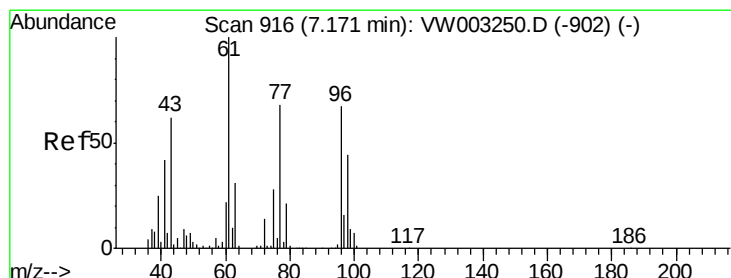
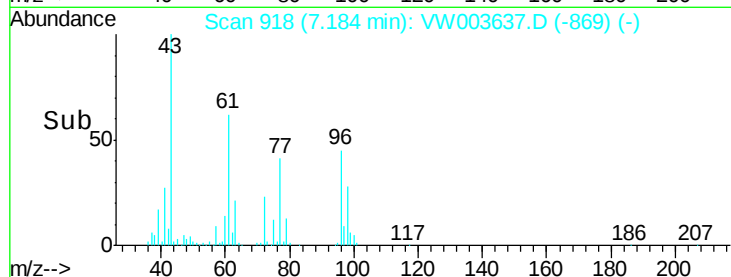
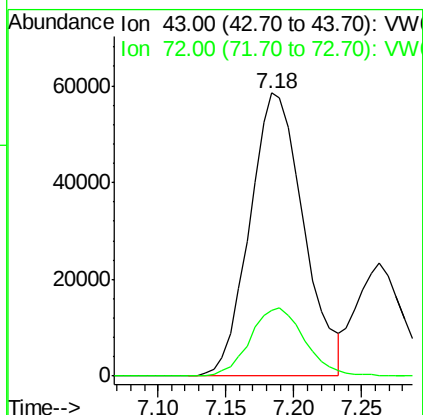
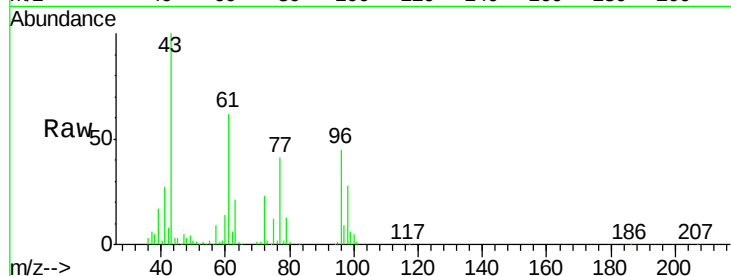
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 161958

Ion Ratio Lower Upper

43 100

72 23.3 20.3 30.5



#26

2,2-Dichloropropane

Concen: 52.588 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003637.D

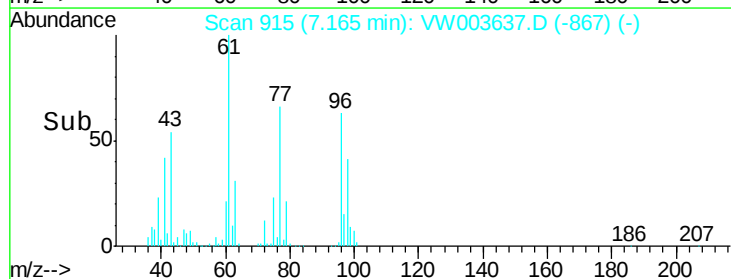
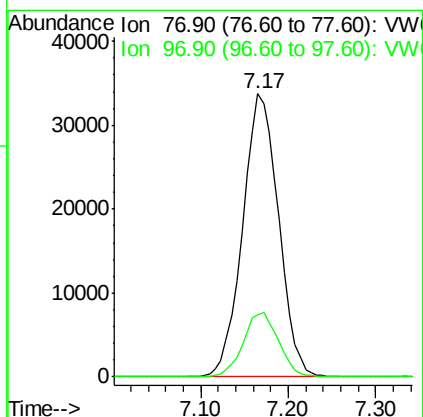
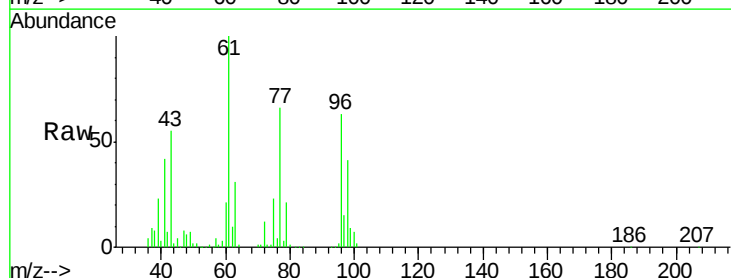
Acq: 28 Jun 2018 14:40

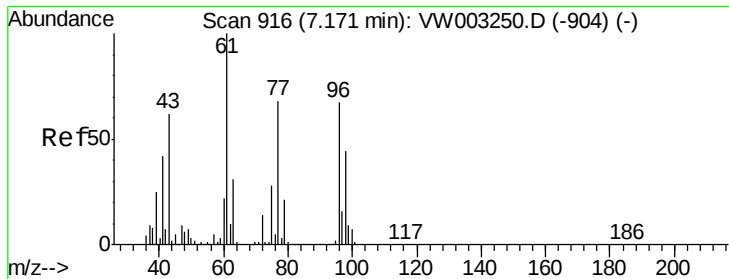
Tgt Ion: 77 Resp: 96301

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



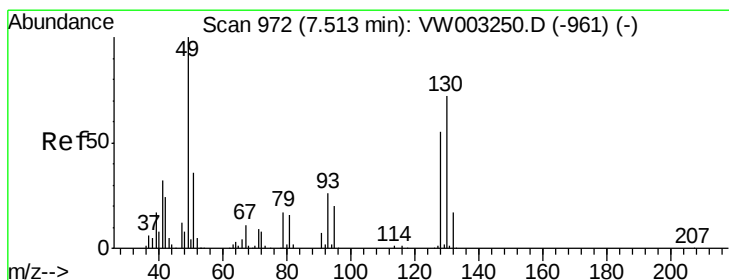
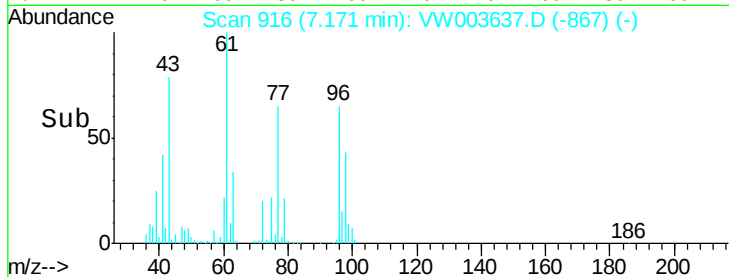
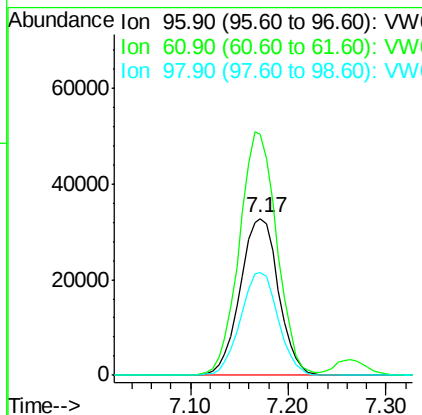
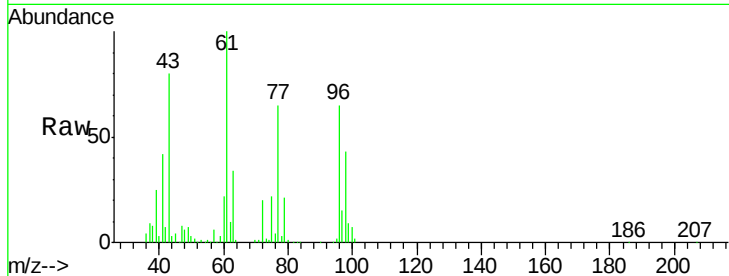


#27

cis-1,2-Dichloroethene
Concen: 56.297 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

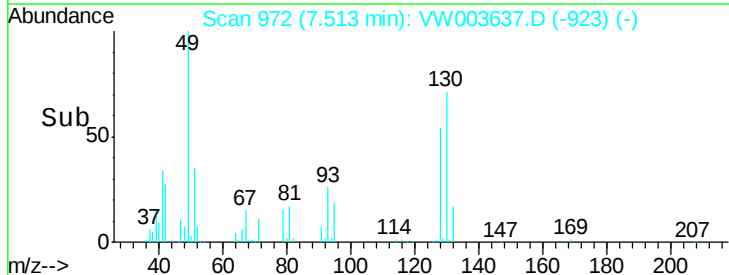
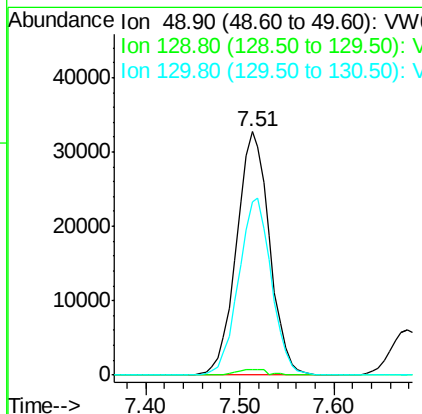
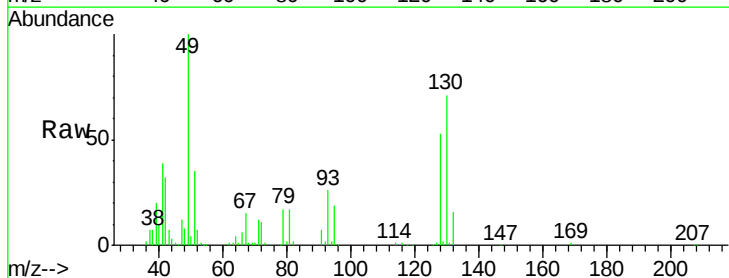
Tot Ion	96	Resp	89235
Ion Ratio	Lower	Upper	
96	100		
61	151.5	0.0	298.8
98	64.3	0.0	130.4

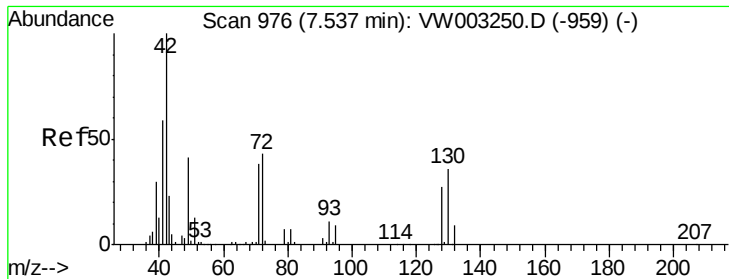


#28

Bromochloromethane
Concen: 70.162 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion	49	Resp	80112
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	71.9	59.4	89.2

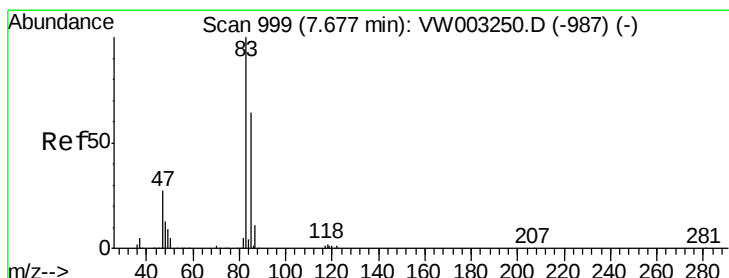
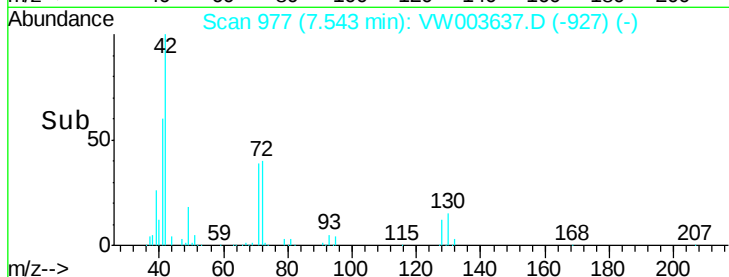
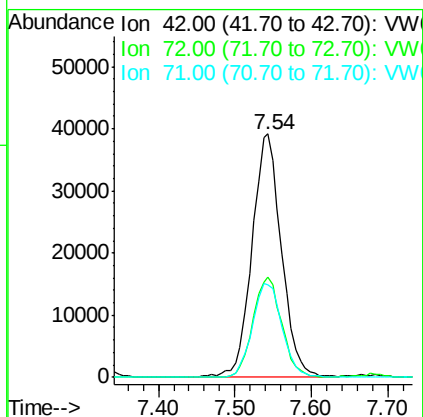
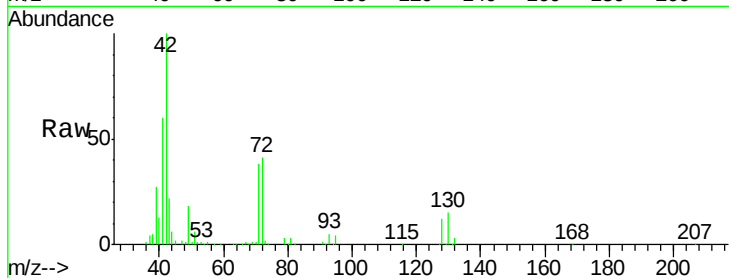




#29
Tetrahydrofuran
Concen: 415.630 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

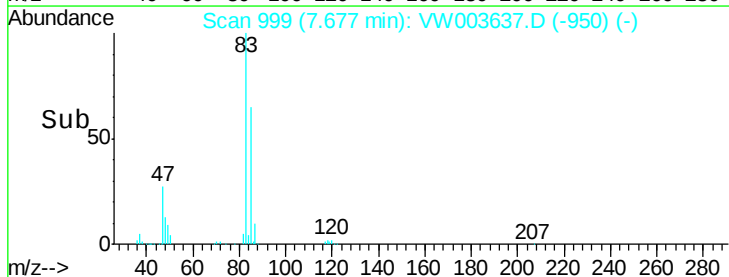
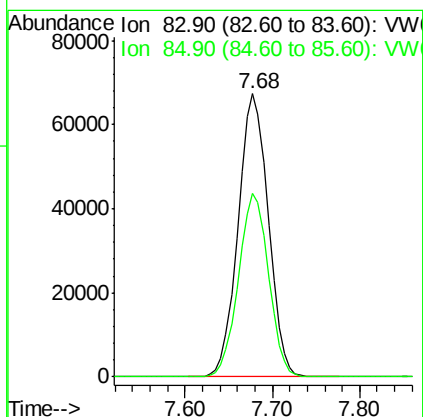
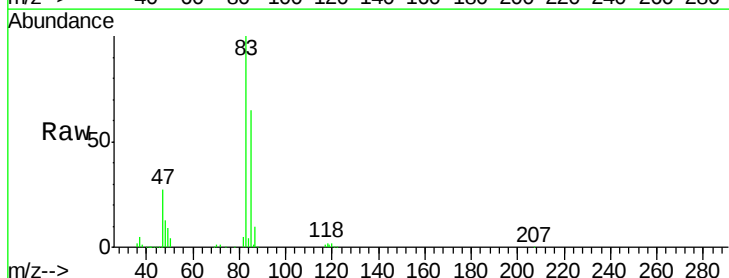
Instrument :
MSVOA_W
ClientSampled :

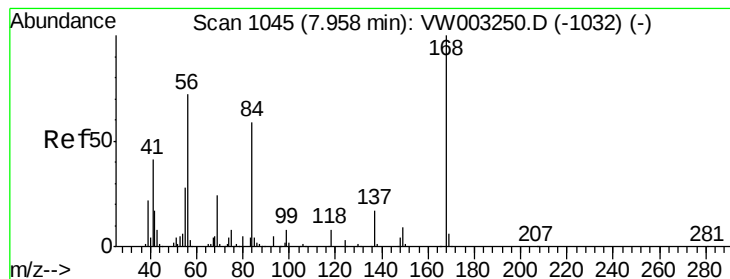
Tot Ion: 42 Resp: 105092
Ion Ratio Lower Upper
42 100
72 40.3 32.4 48.6
71 39.1 31.2 46.8



#30
Chloroform
Concen: 57.799 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 83 Resp: 161573
Ion Ratio Lower Upper
83 100
85 64.8 51.3 76.9





#31

Cyclohexane

Concen: 34.599 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampleId :

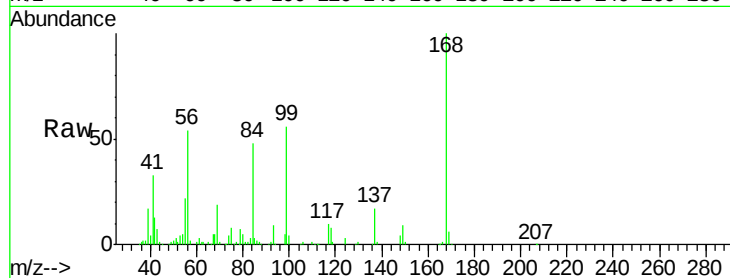
Tot Ion: 56 Resp: 88691

Ion Ratio Lower Upper

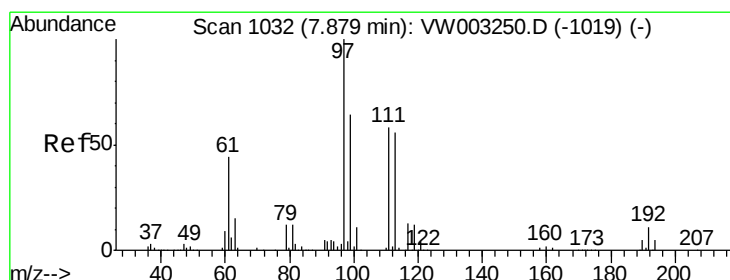
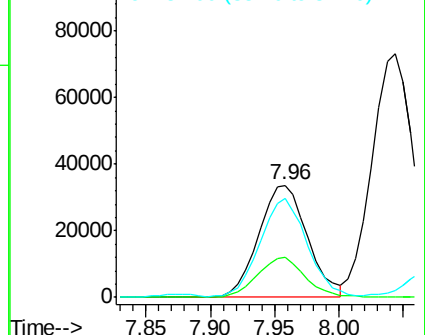
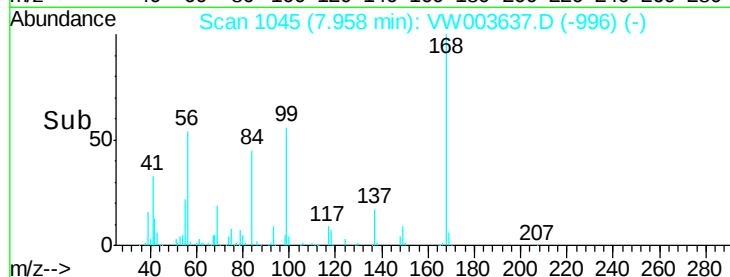
56 100

69 35.9 26.3 39.5

84 86.6 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 51.492 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

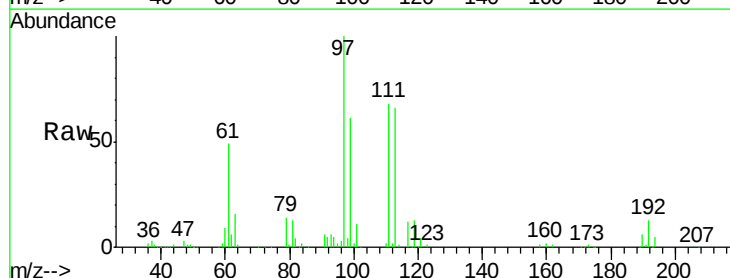
Tgt Ion: 97 Resp: 118812

Ion Ratio Lower Upper

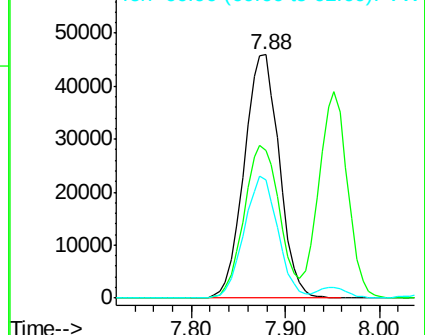
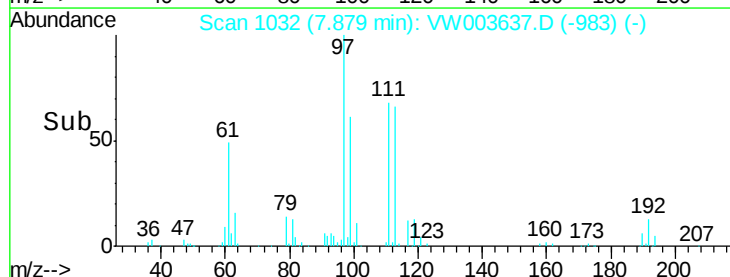
97 100

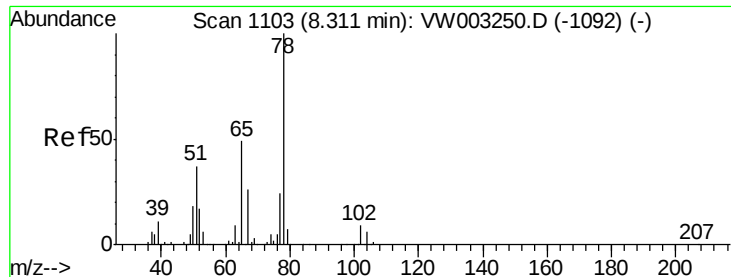
99 64.2 51.7 77.5

61 48.3 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 64.797 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

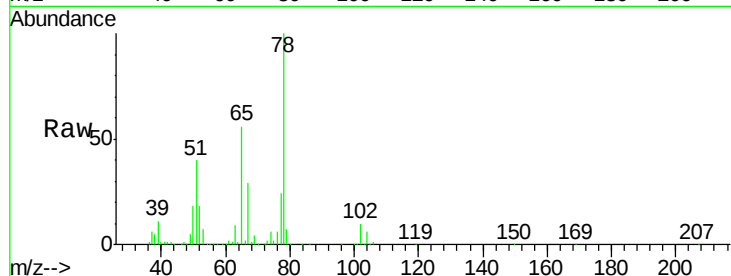
ClientSampleId :

Tot Ion: 65 Resp: 102793

Ion Ratio Lower Upper

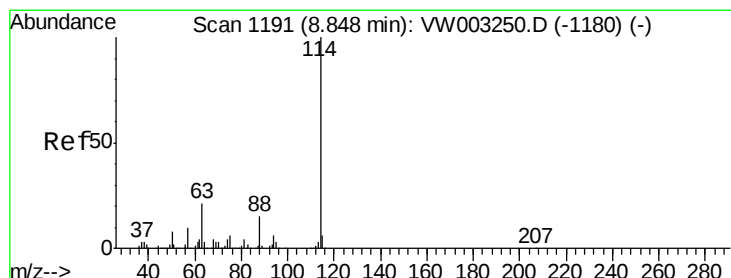
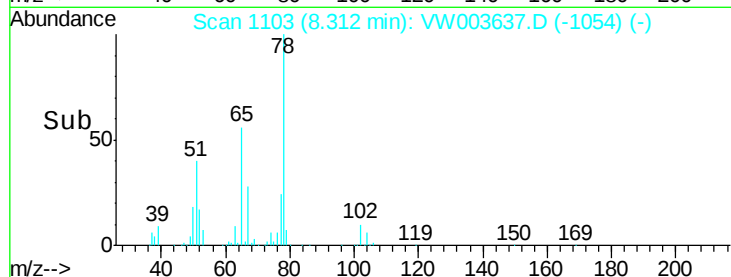
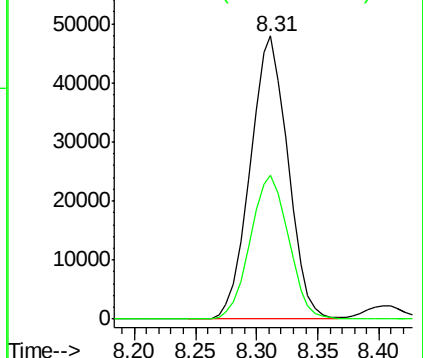
65 100

67 51.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

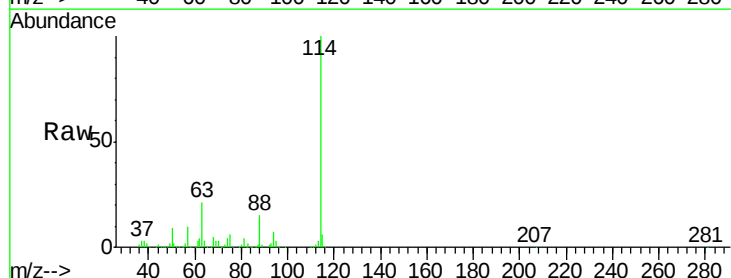
Tgt Ion: 114 Resp: 225280

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

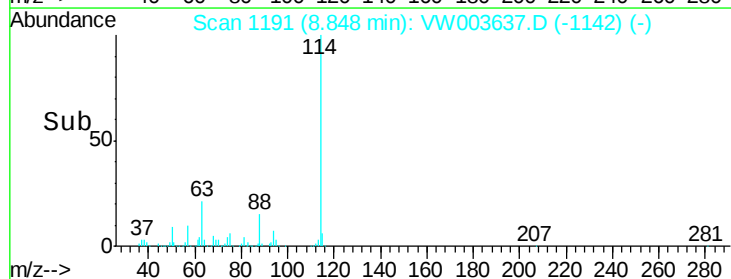
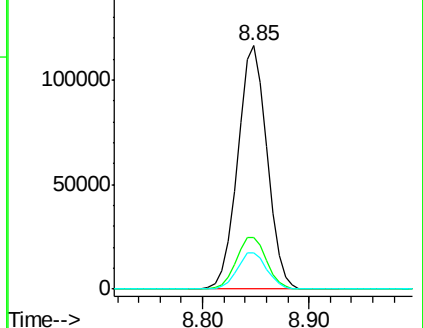
88 14.6 0.0 29.6

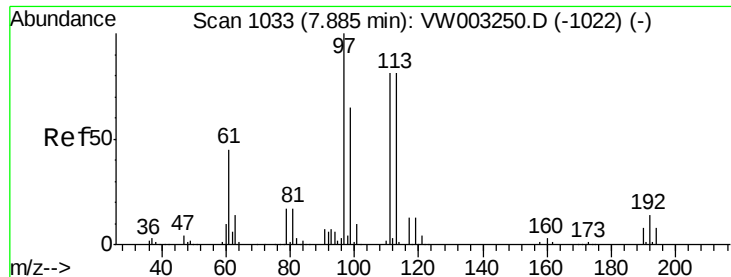


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

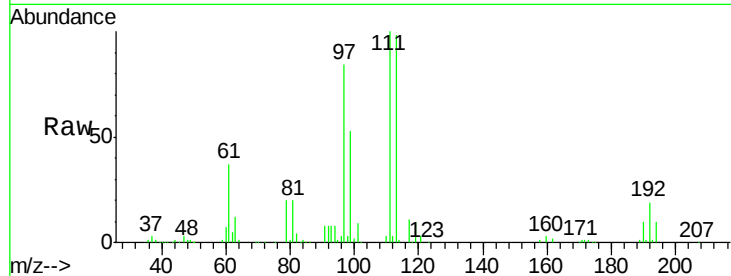




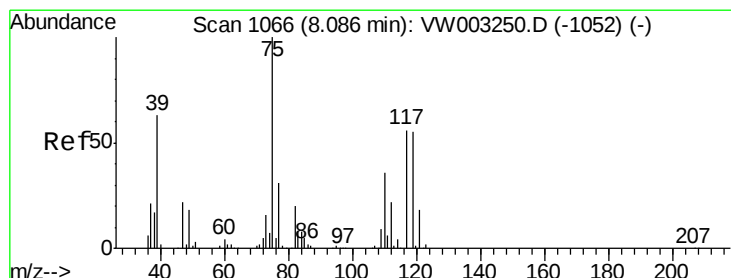
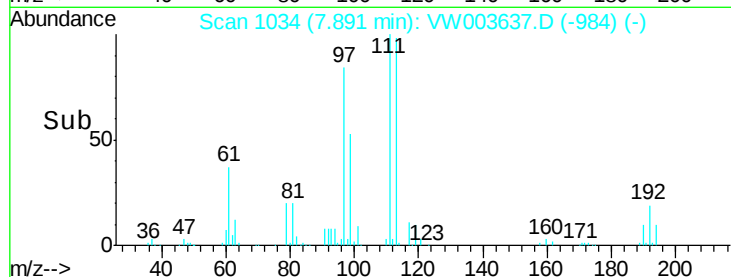
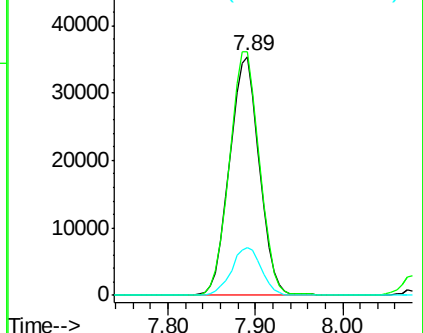
#35
 Dibromofluoromethane
 Concen: 59.902 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 83852
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 20.0 16.2 24.2

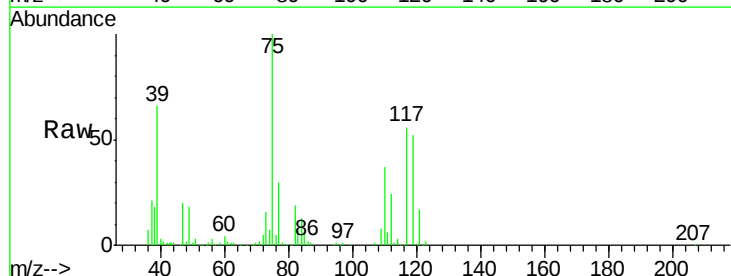


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

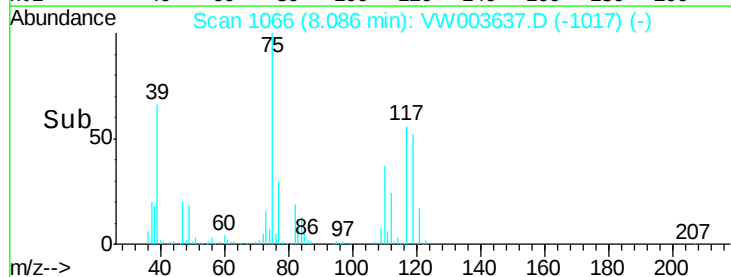
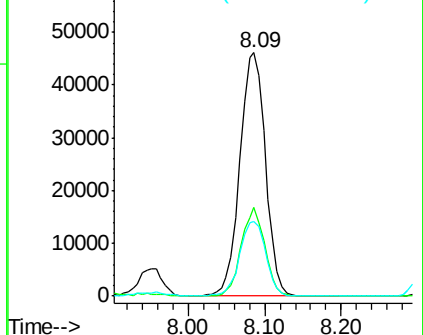


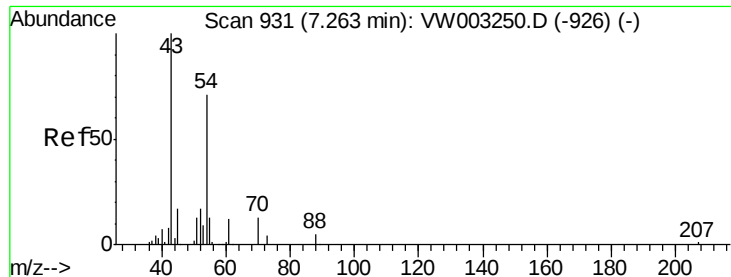
#36
 1,1-Dichloropropene
 Concen: 49.301 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion: 75 Resp: 107261
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.1 51.3
 77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

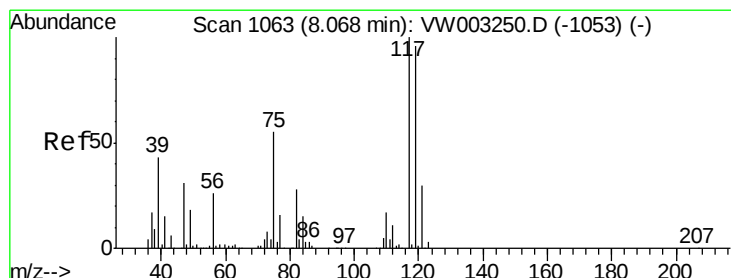
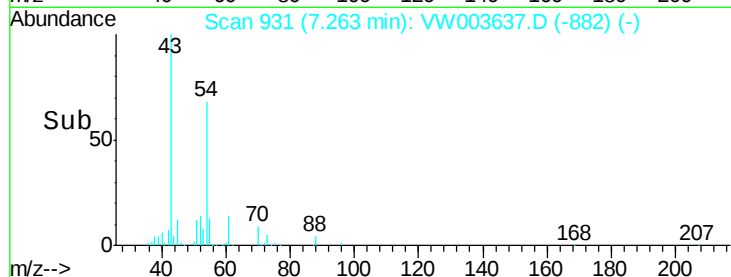
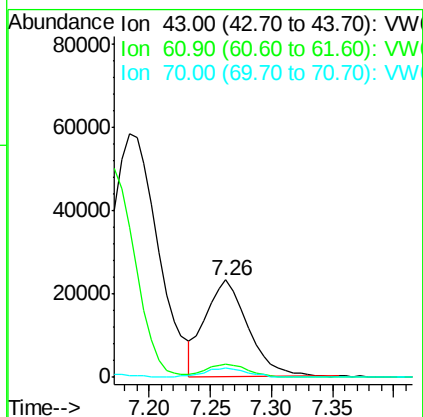
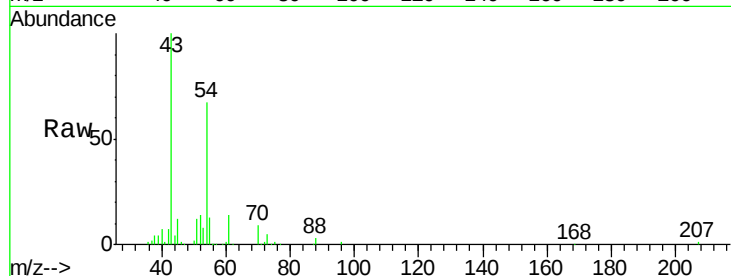




#37
Ethyl Acetate
Concen: 62.955 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

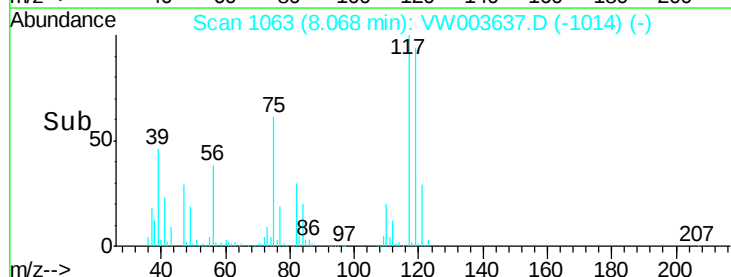
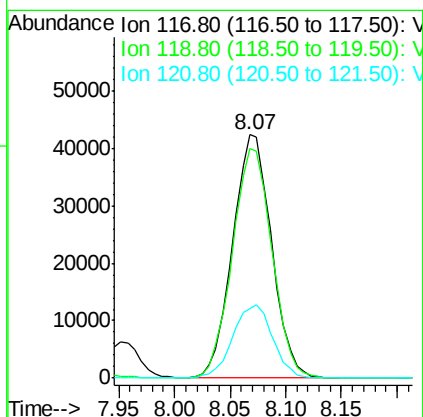
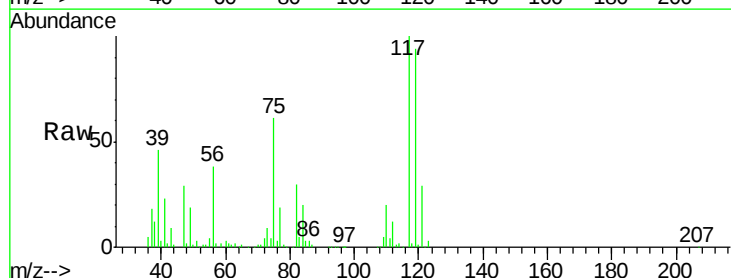
Instrument :
MSVOA_W
ClientSampleId :

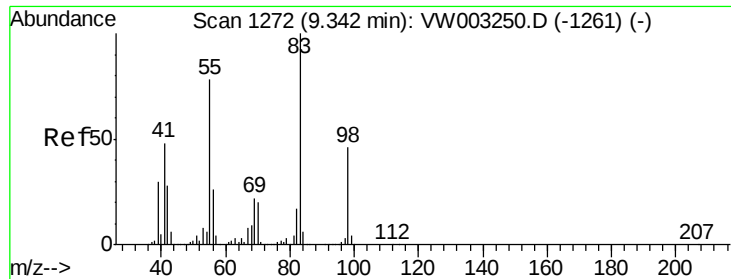
Tot Ion: 43 Resp: 56742
Ion Ratio Lower Upper
43 100
61 14.0 10.8 16.2
70 9.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 48.282 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 117 Resp: 103037
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 28.5 23.9 35.9

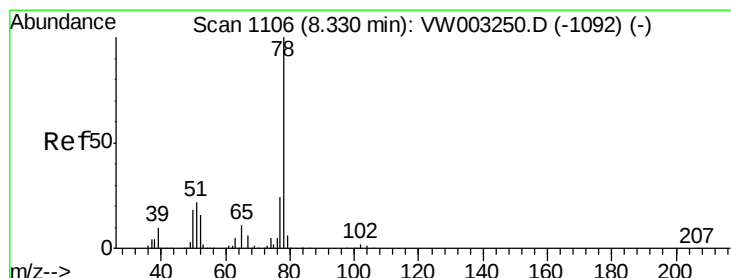
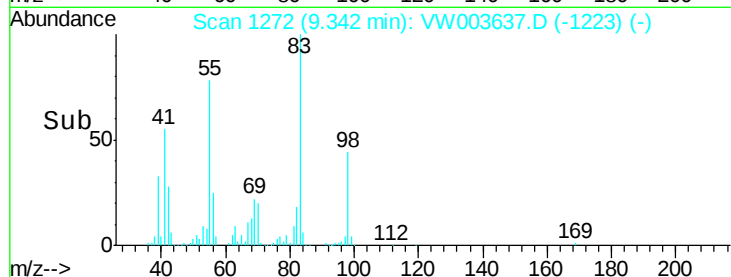
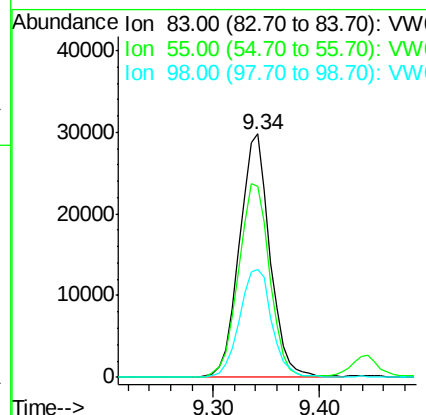
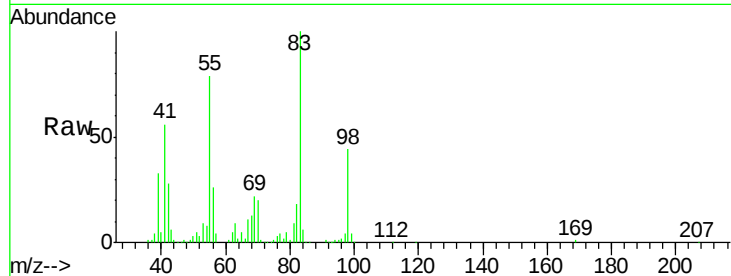




#39
Methvlcvclohexane
Concen: 23.871 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

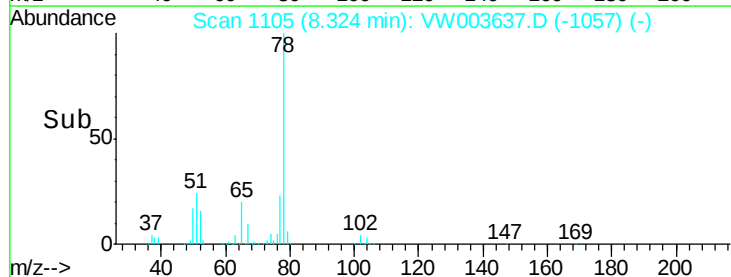
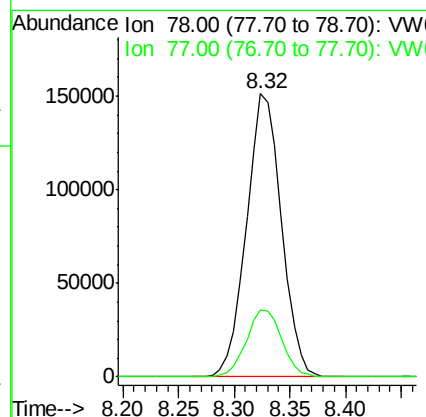
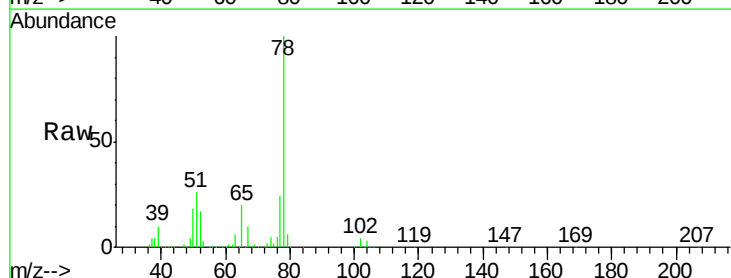
Instrument :
MSVOA_W
ClientSampleId :

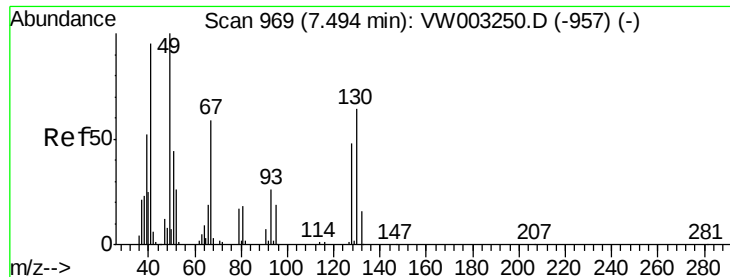
Tot Ion: 83 Resp: 60091
Ion Ratio Lower Upper
83 100
55 78.7 62.6 93.8
98 44.1 37.0 55.4



#40
Benzene
Concen: 55.095 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 78 Resp: 330404
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#41

Methacrylonitrile

Concen: 80.454 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 44498

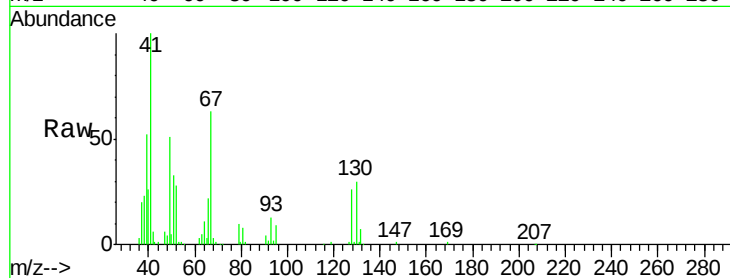
Ion Ratio Lower Upper

41 100

39 55.7 45.8 68.8

67 64.5 52.3 78.5

52 29.8 24.1 36.1

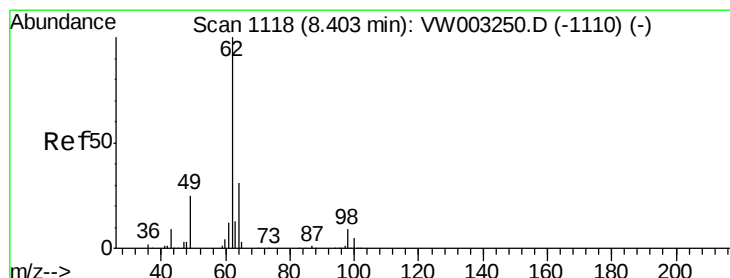
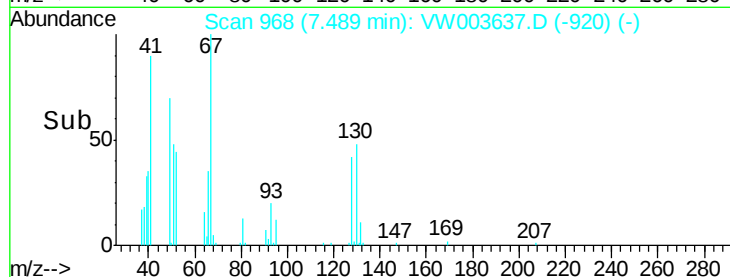
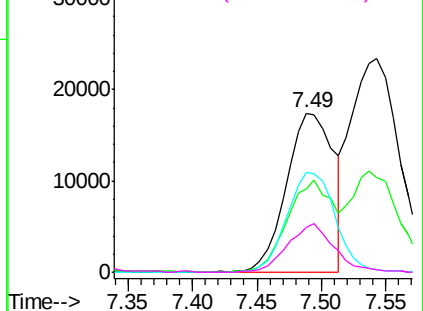


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 65.854 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003637.D

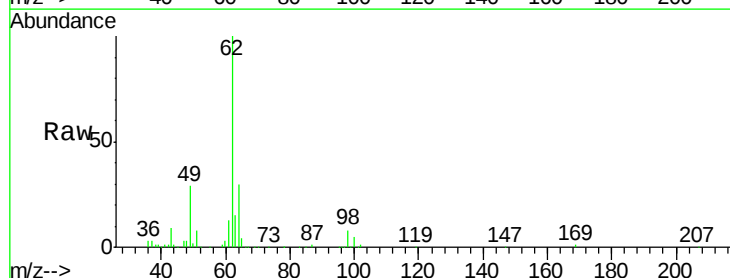
Acq: 28 Jun 2018 14:40

Tgt Ion: 62 Resp: 123732

Ion Ratio Lower Upper

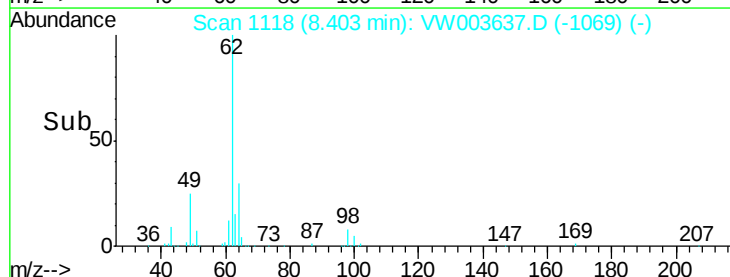
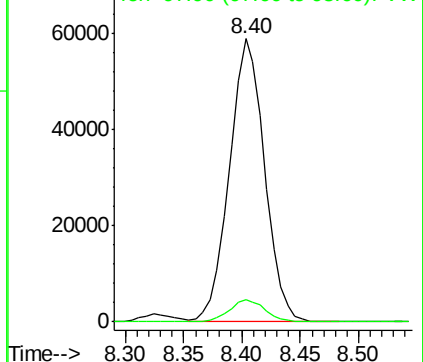
62 100

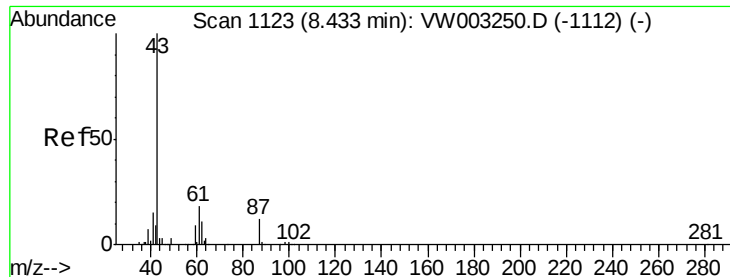
98 8.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



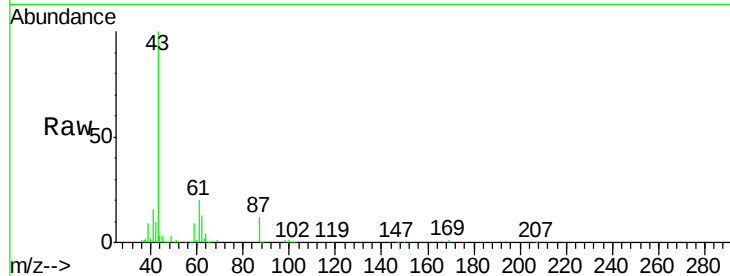


#43

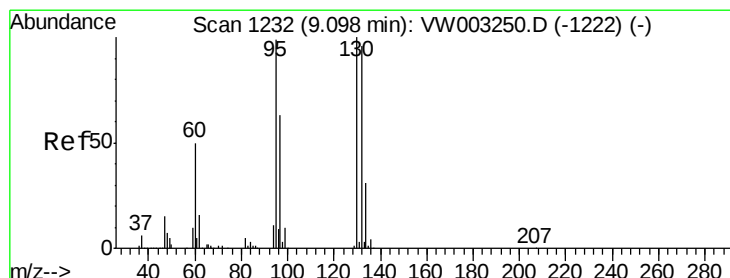
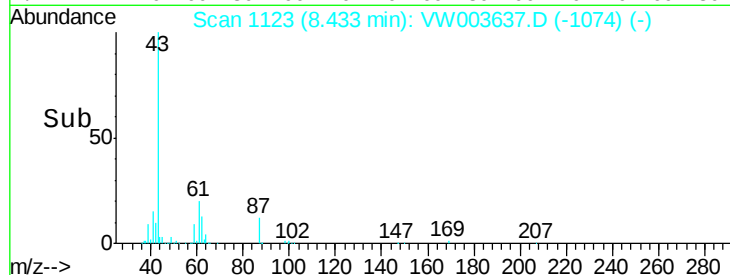
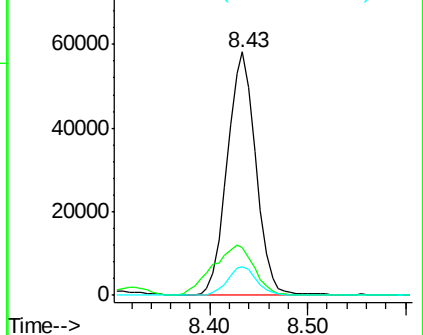
Isopropyl Acetate
 Concen: 65.836 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	43	Resp	117824
Ion Ratio	Lower	Upper	
43	100		
61	29.6	23.1	34.7
87	11.9	9.8	14.6



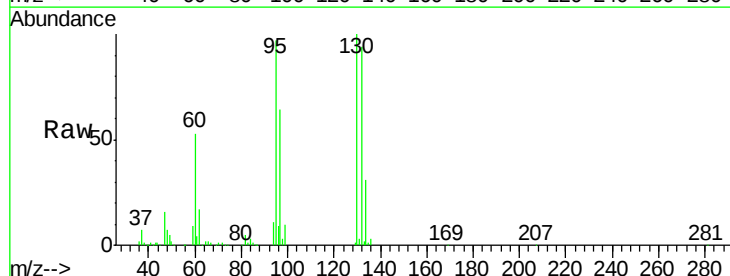
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



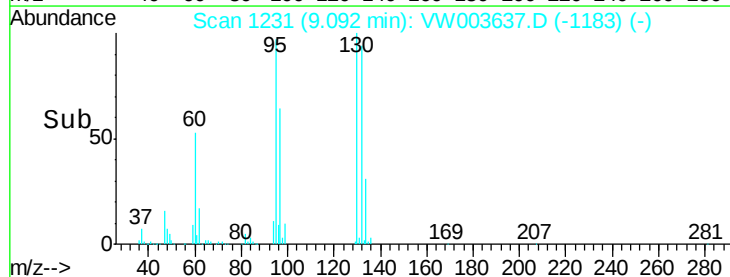
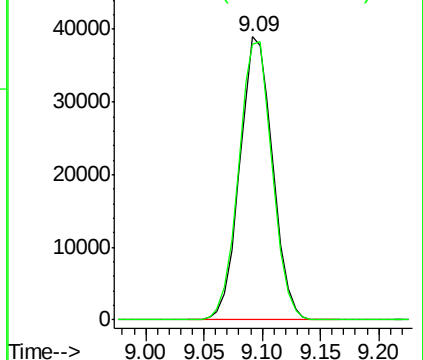
#44

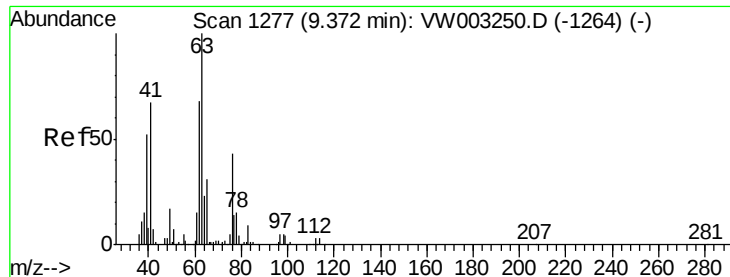
Trichloroethene
 Concen: 48.108 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion	130	Resp	76446
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	198.0



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





#45

1,2-Dichloropropane

Concen: 58.495 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

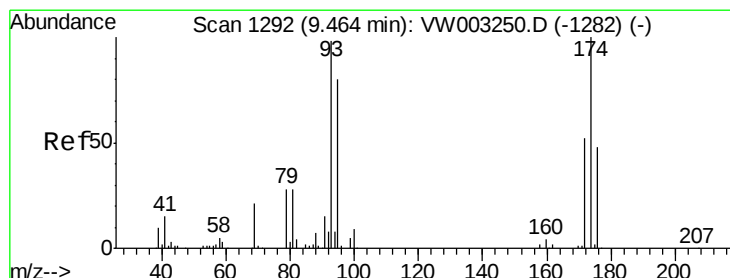
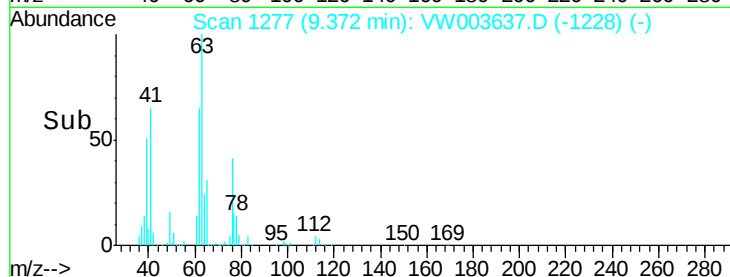
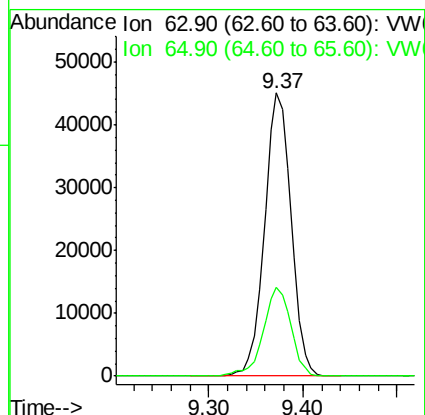
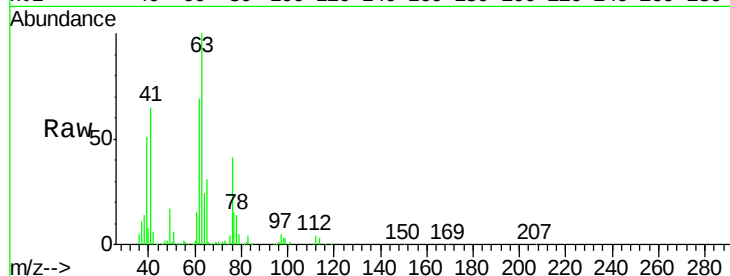
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 89317

Ion Ratio Lower Upper

63 100

65 31.3 25.1 37.7



#46

Dibromomethane

Concen: 65.341 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

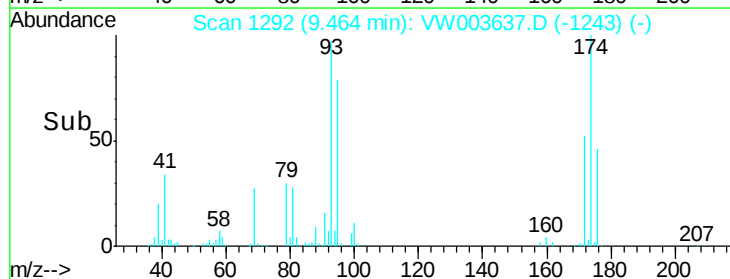
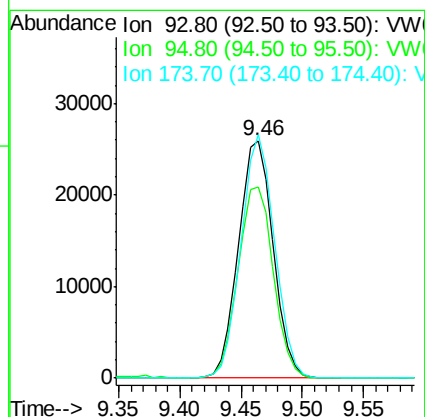
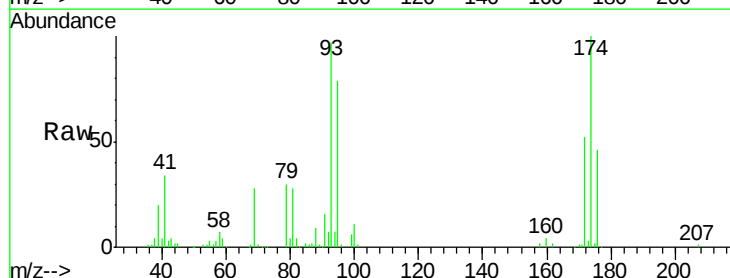
Tgt Ion: 93 Resp: 51080

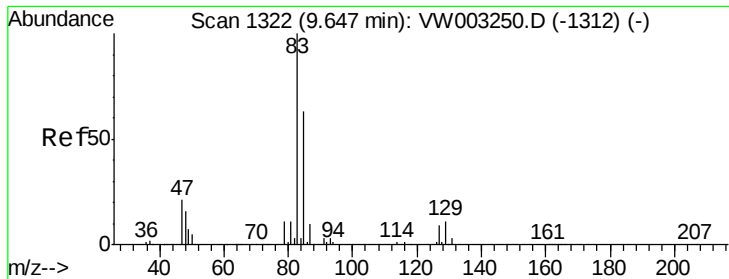
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.8

174 99.4 81.4 122.0





#47

Bromodichloromethane

Concen: 57.789 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

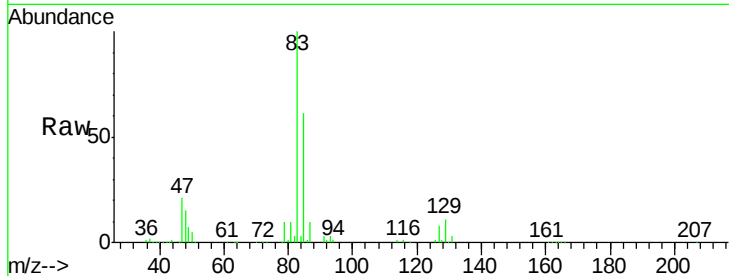
Tot Ion: 83 Resp: 115800

Ion Ratio Lower Upper

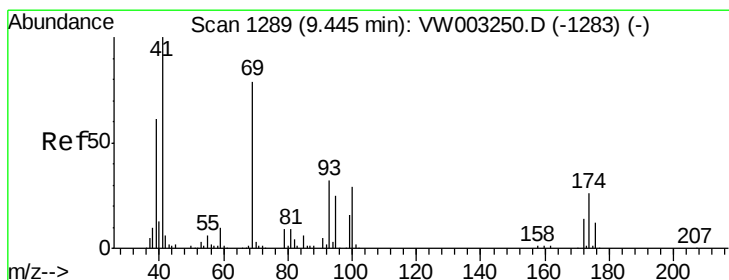
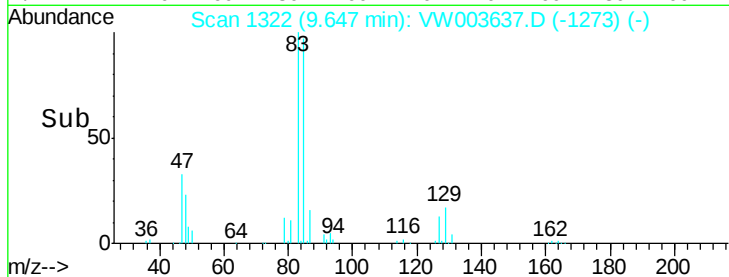
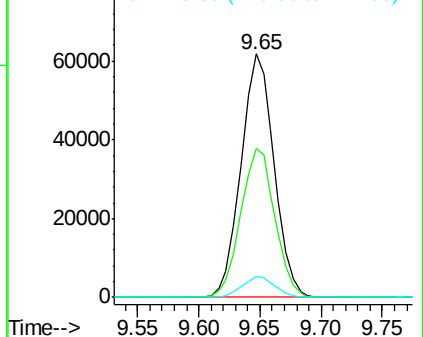
83 100

85 61.2 50.6 75.8

127 8.4 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: 90.356 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

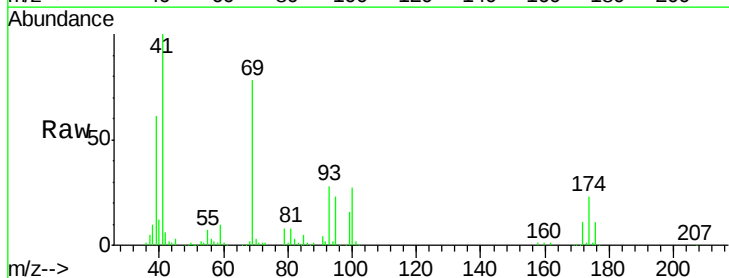
Tgt Ion: 41 Resp: 75994

Ion Ratio Lower Upper

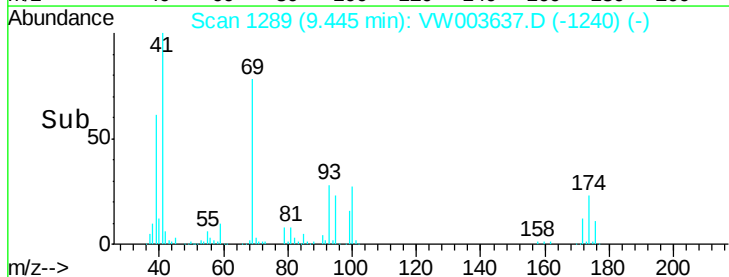
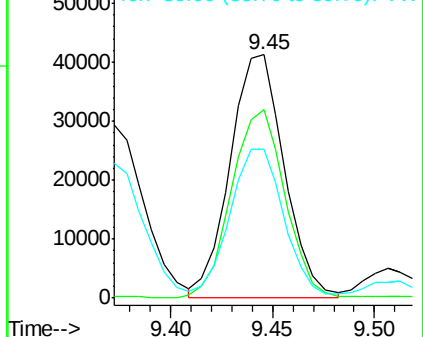
41 100

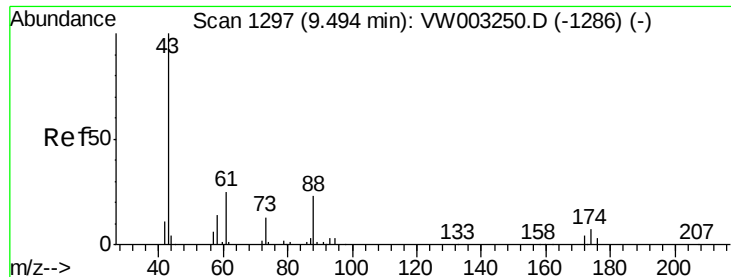
69 76.5 65.4 98.2

39 61.7 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: 1520.232 ug/l

RT: 9.49 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

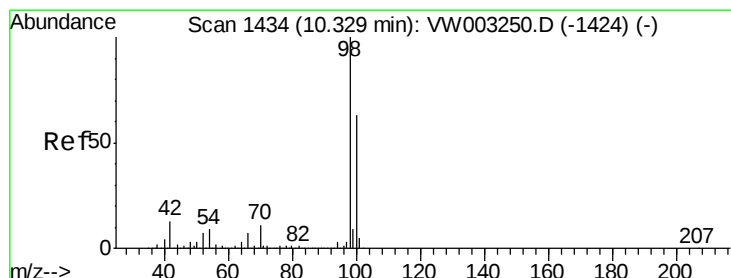
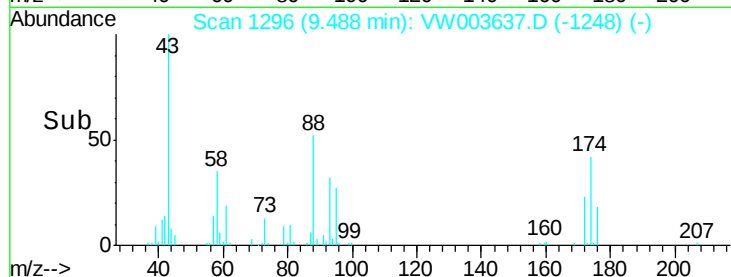
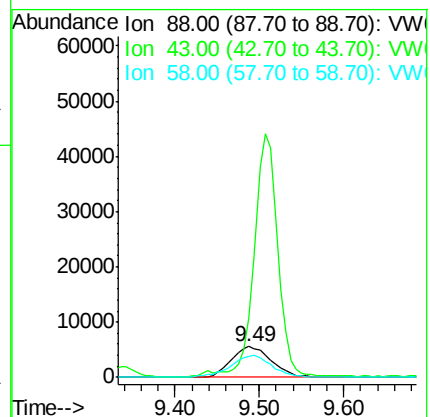
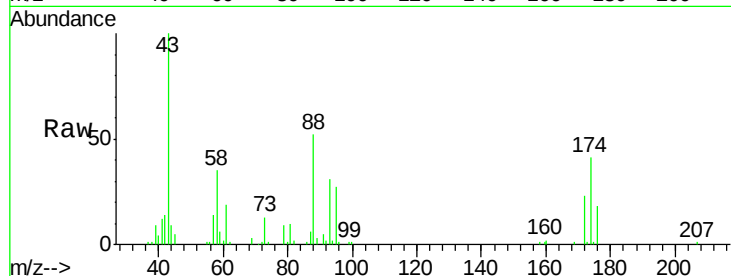
Tot Ion: 88 Resp: 17944

Ion Ratio Lower Upper

88 100

43 454.1 454.7 682.1#

58 73.6 58.6 88.0



#50

Toluene-d8

Concen: 49.540 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003637.D

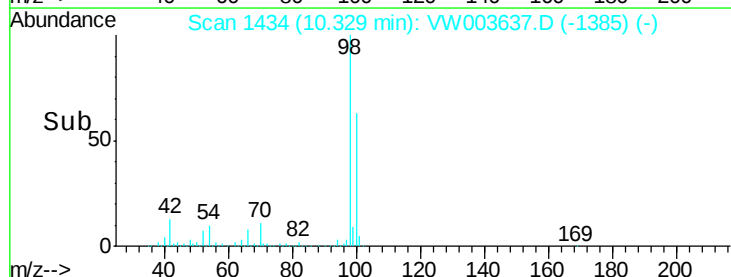
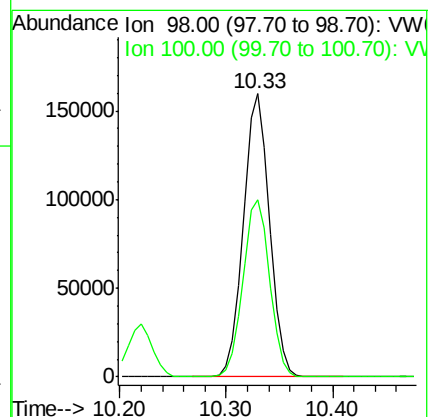
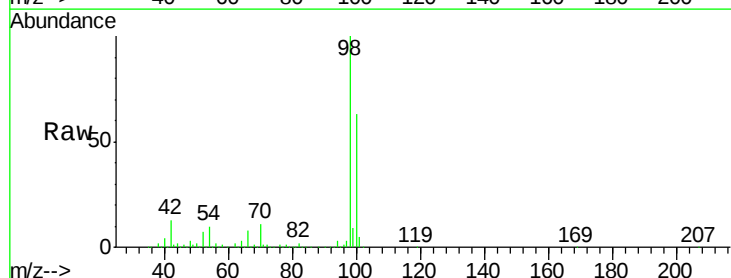
Acq: 28 Jun 2018 14:40

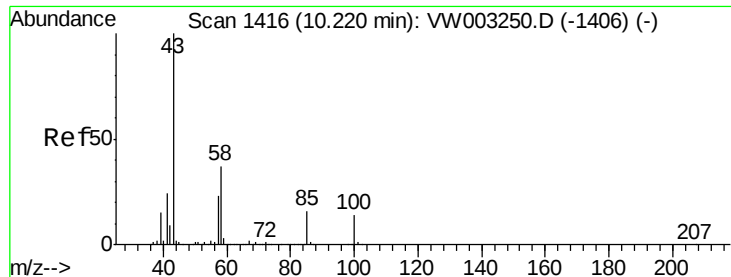
Tgt Ion: 98 Resp: 274976

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 404.933 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

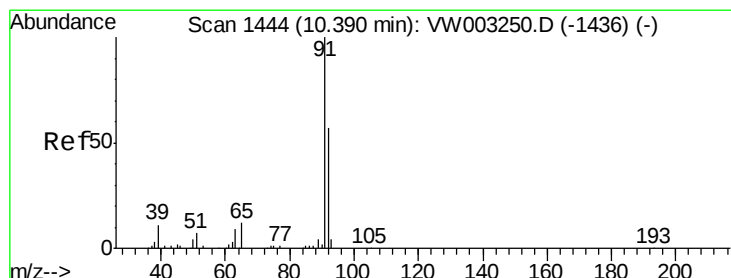
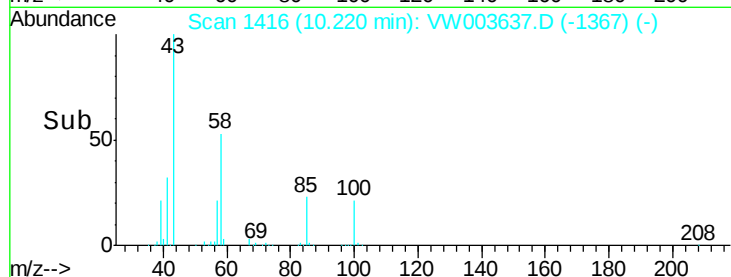
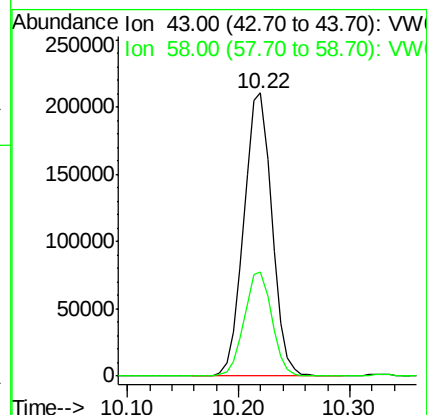
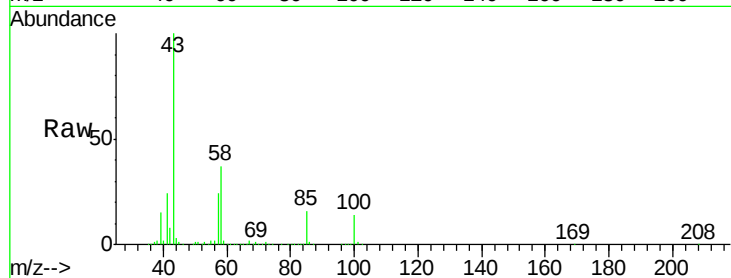
ClientSampled :

Tot Ion: 43 Resp: 369270

Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4



#52

Toluene

Concen: 48.012 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003637.D

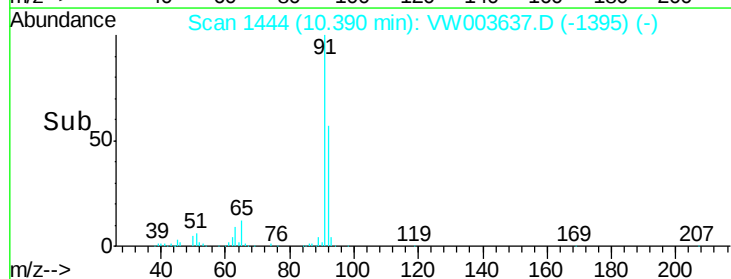
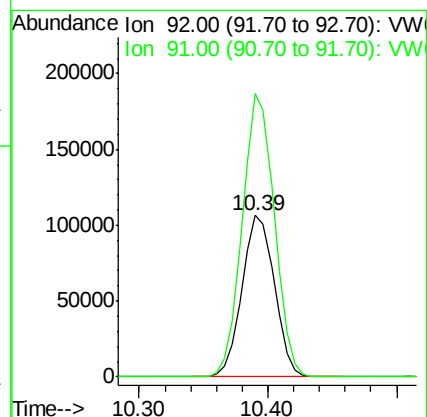
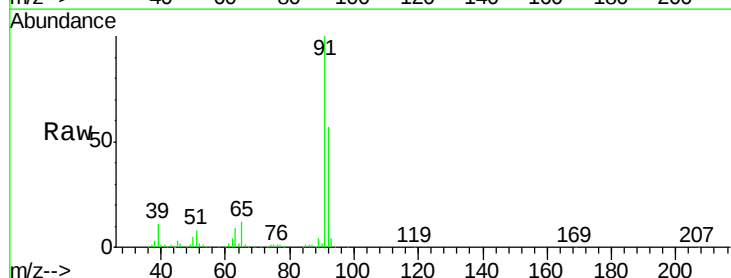
Acq: 28 Jun 2018 14:40

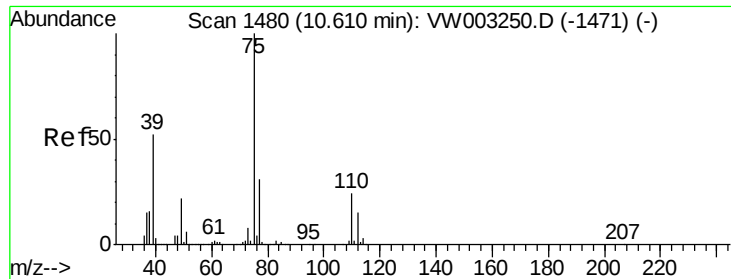
Tgt Ion: 92 Resp: 184634

Ion Ratio Lower Upper

92 100

91 174.1 141.1 211.7

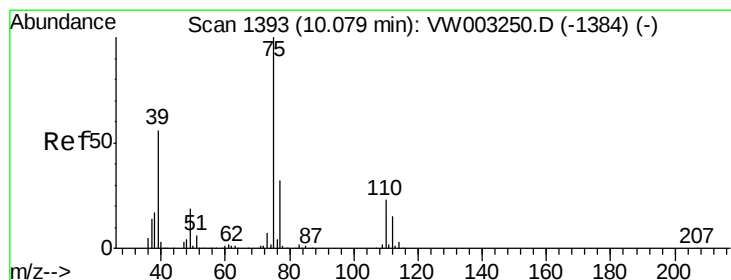
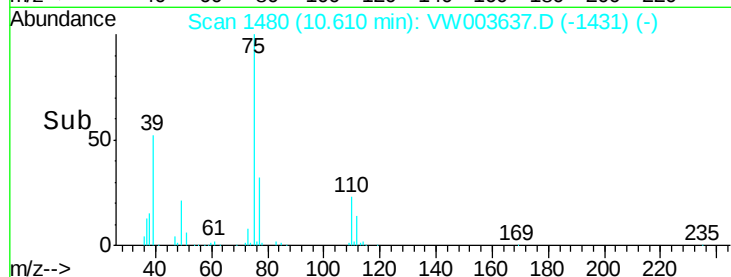
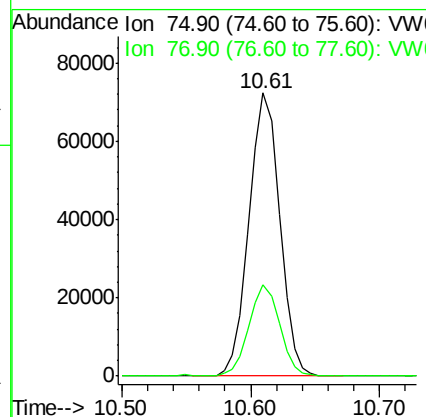
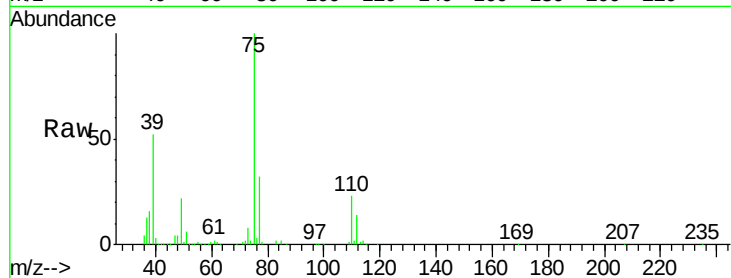




#53
t-1,3-Dichloropropene
Concen: 58.226 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

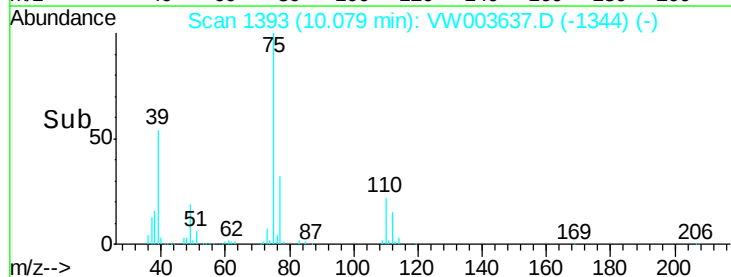
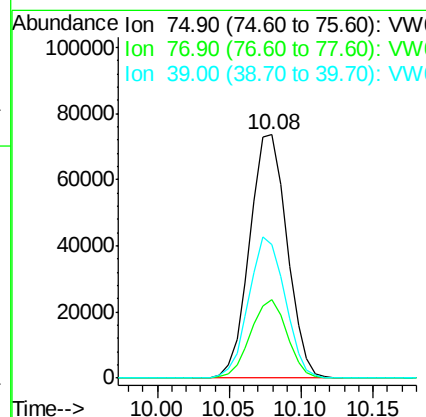
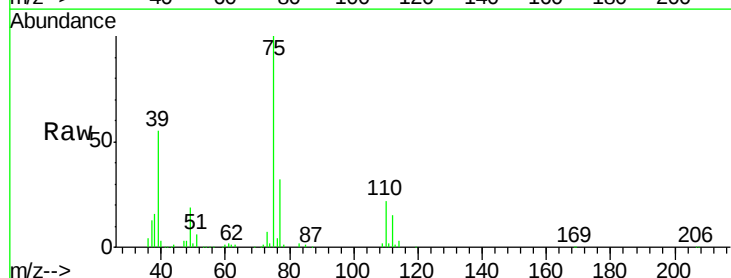
Instrument :
MSVOA_W
ClientSampleId :

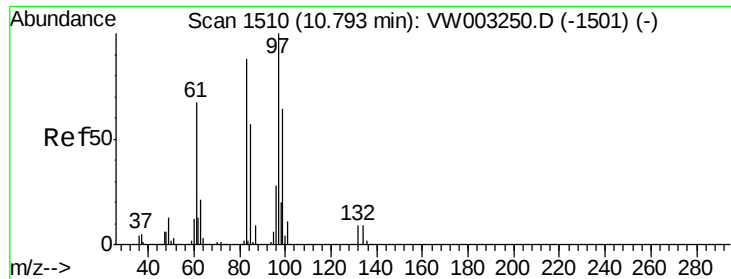
Tot Ion: 75 Resp: 119184
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 56.782 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 75 Resp: 132288
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6
39 54.5 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 63.061 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

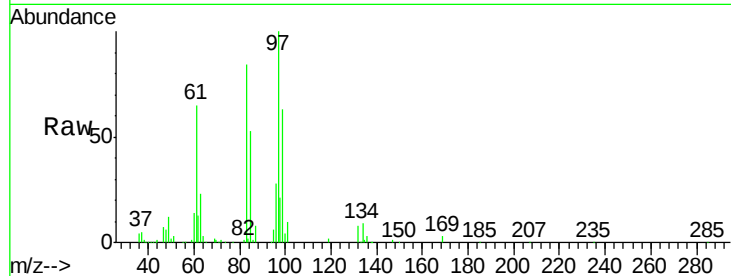
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 69467

Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	53.2	45.6	68.4
99	62.9	51.2	76.8

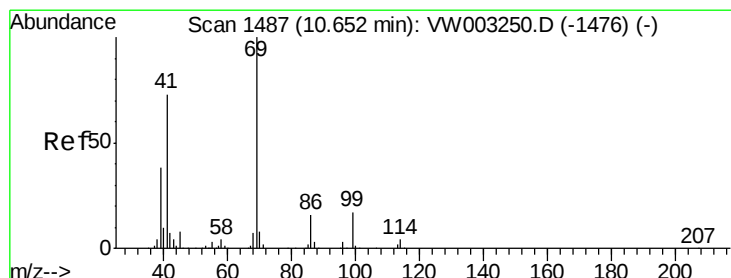
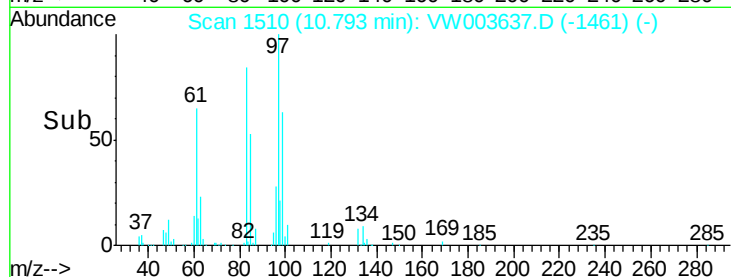


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 57.243 ug/l

RT: 10.65 min Scan# 1487

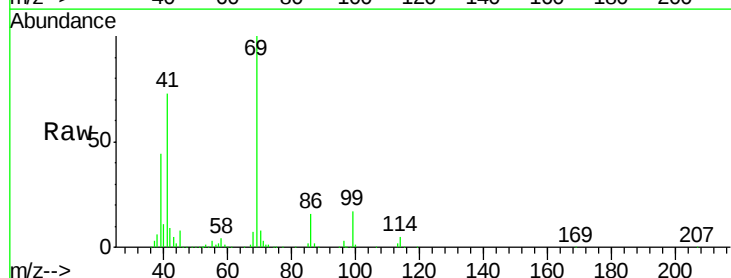
Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Tgt Ion: 69 Resp: 76573

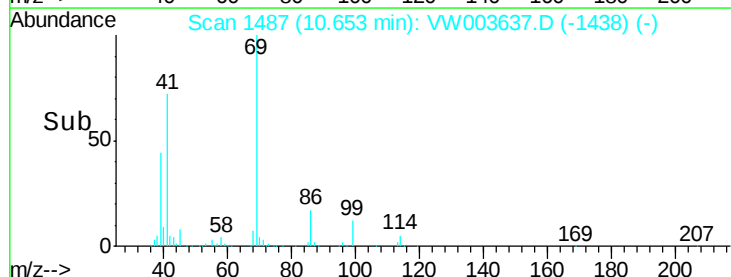
Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.8	86.6
39	40.5	32.7	49.1

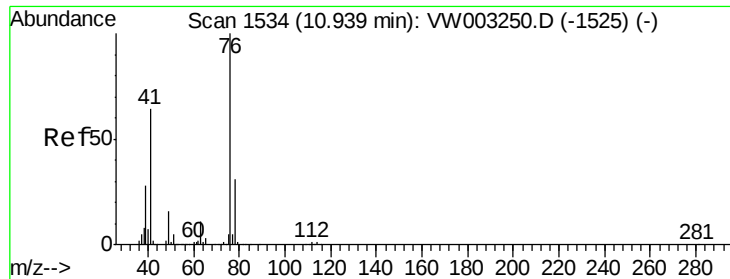


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

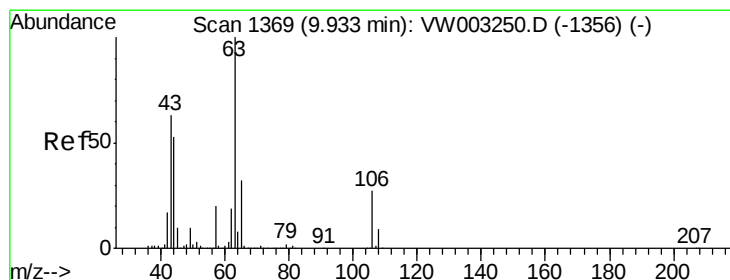
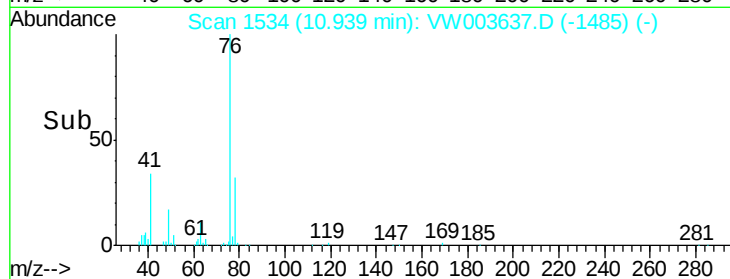
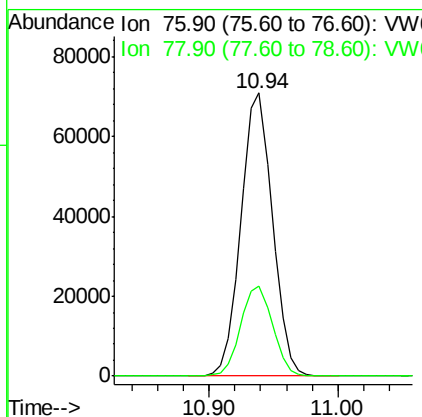
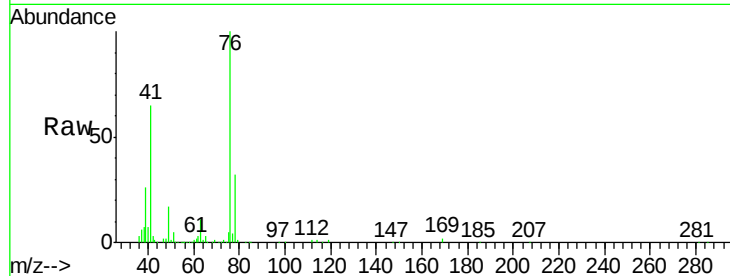




#57
 1,3-Dichloropropane
 Concen: 63.045 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

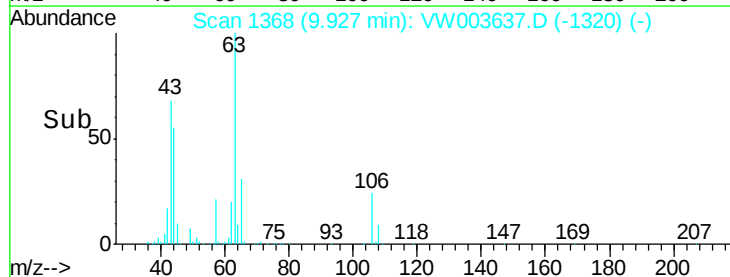
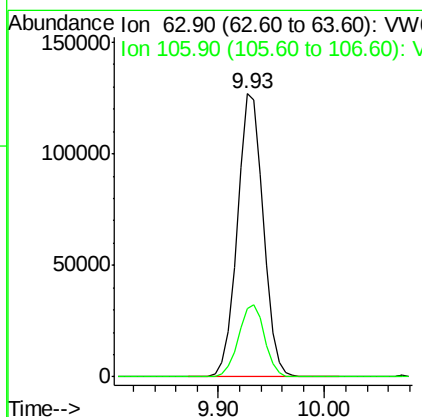
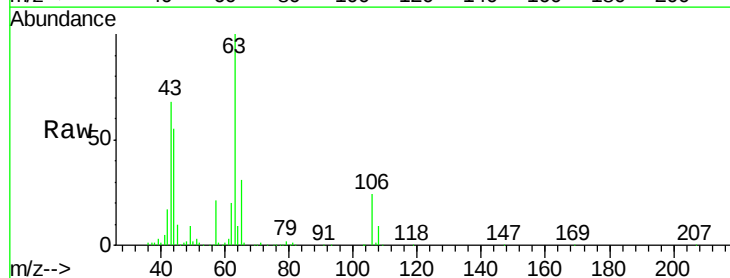
Instrument :
 MSVOA_W
 ClientSampled :

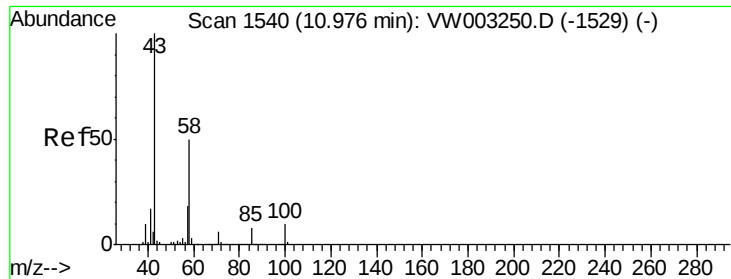
Tot Ion: 76 Resp: 119780
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 361.050 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion: 63 Resp: 216507
 Ion Ratio Lower Upper
 63 100
 106 25.8 21.8 32.8

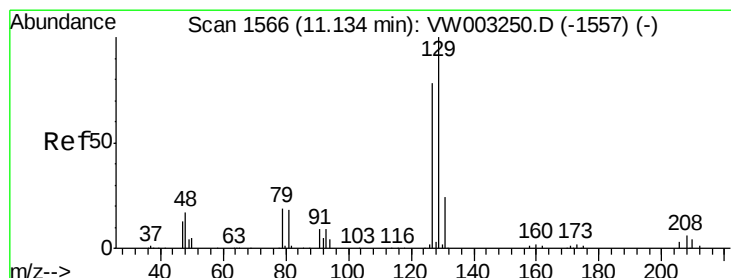
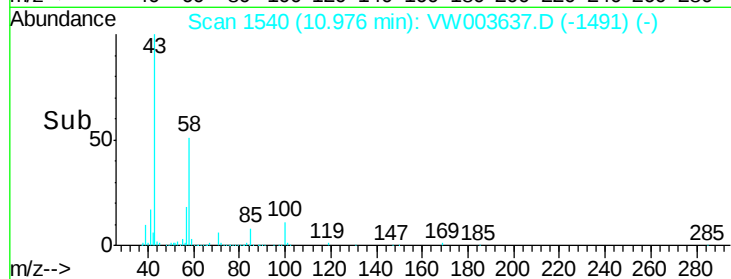
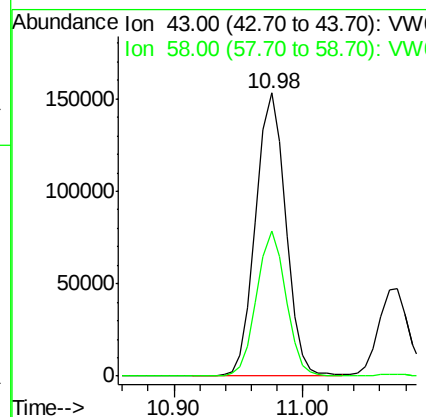
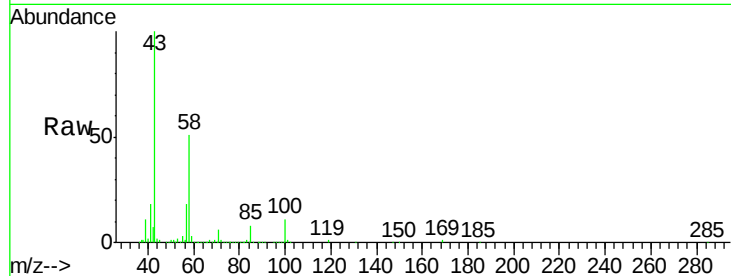




#59
2-Hexanone
Concen: 388.174 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

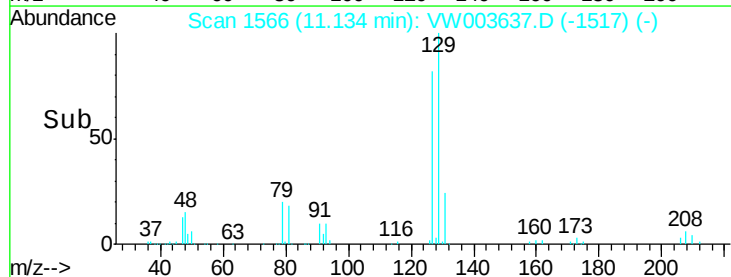
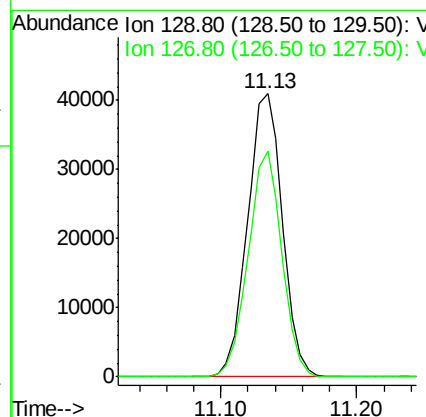
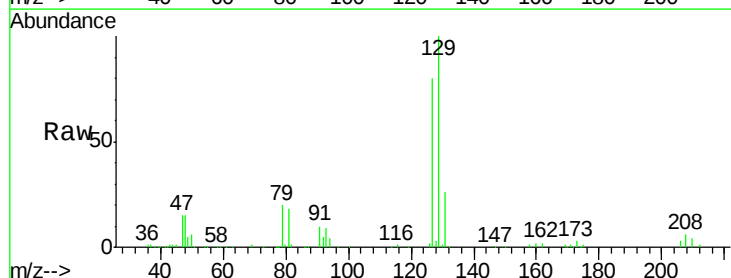
Instrument :
MSVOA_W
ClientSampleId :

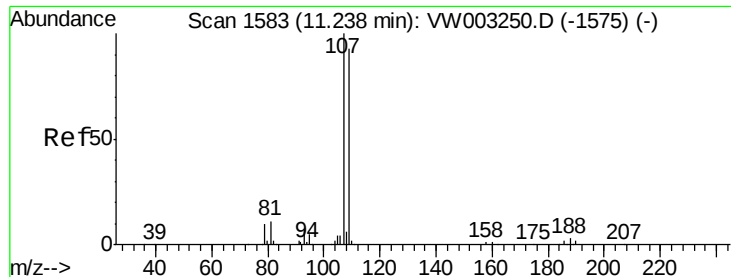
Tot Ion: 43 Resp: 247291
Ion Ratio Lower Upper
43 100
58 50.1 25.0 75.0



#60
Dibromochloromethane
Concen: 56.044 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 129 Resp: 73419
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.5

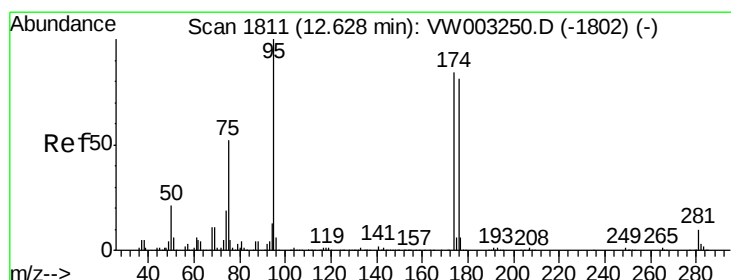
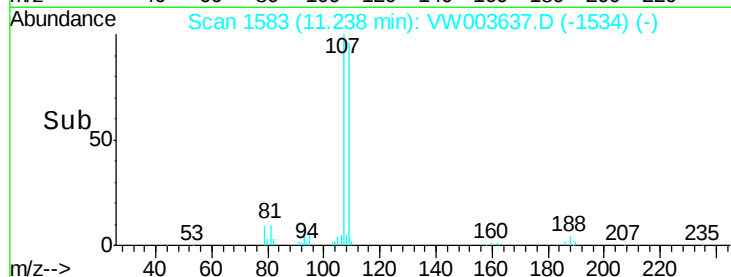
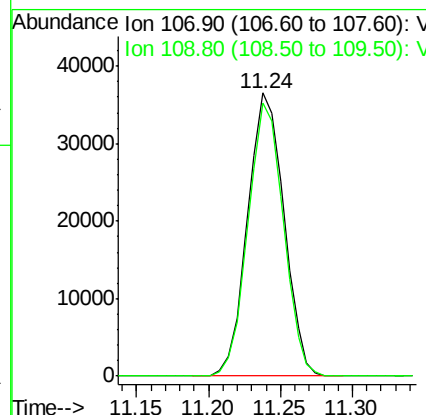
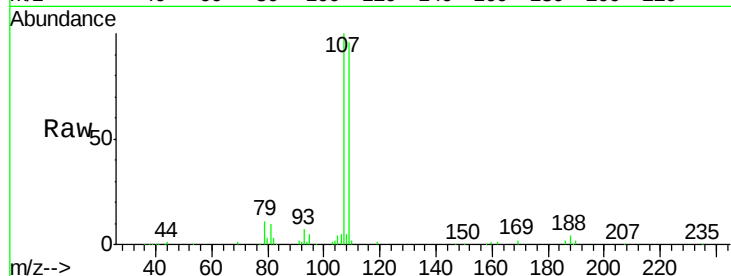




#61
 1,2-Dibromoethane
 Concen: 61.275 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

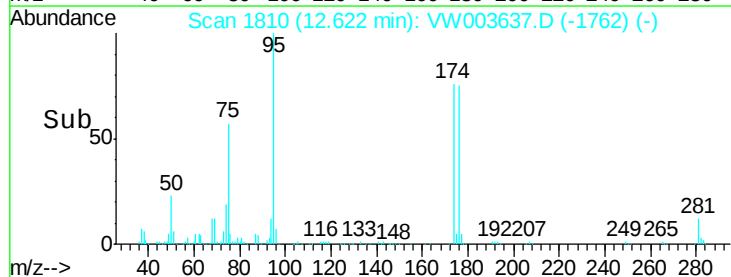
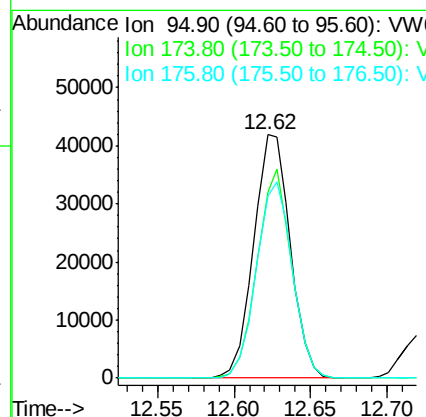
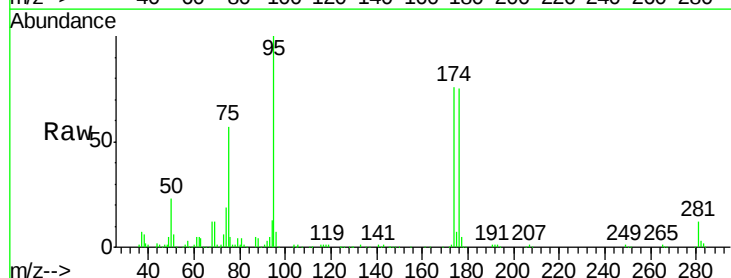
Instrument :
 MSVOA_W
 ClientSampleId :

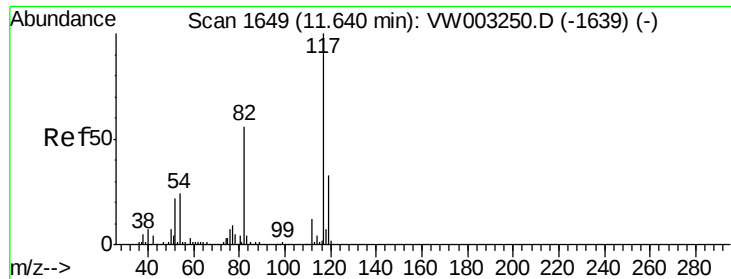
Tot Ion: 107 Resp: 63849
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 35.451 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion: 95 Resp: 69636
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 166.4
 176 79.4 0.0 162.0

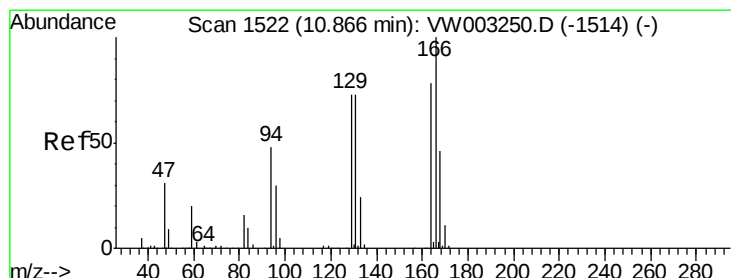
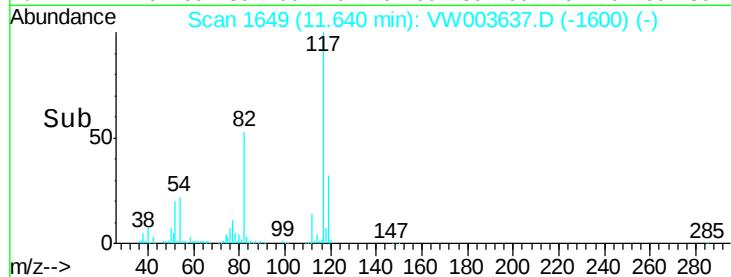
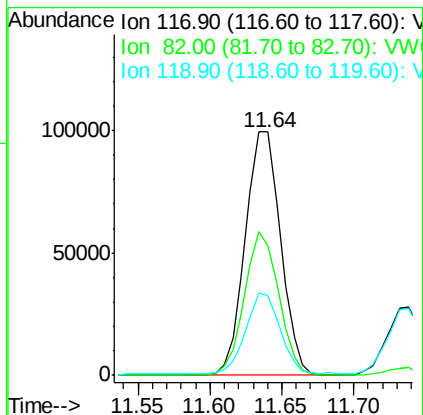
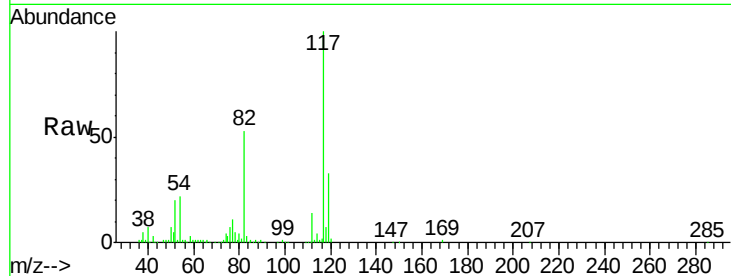




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

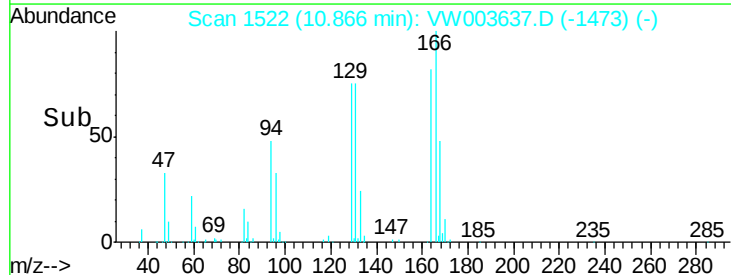
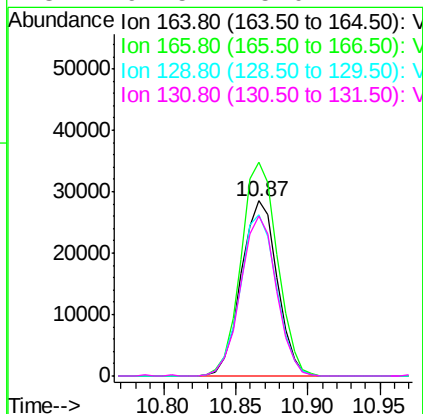
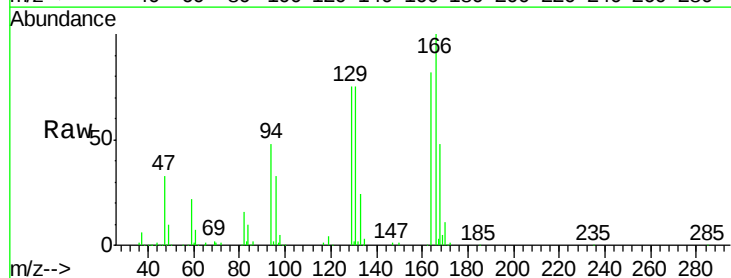
Instrument :
MSVOA_W
ClientSampleId :

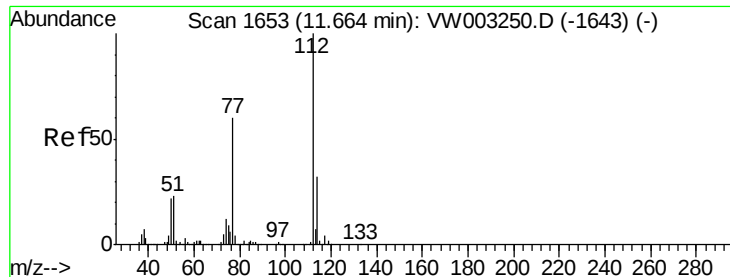
Tot Ion:117 Resp: 168982
Ion Ratio Lower Upper
117 100
82 53.4 44.6 67.0
119 31.9 26.7 40.1



#64
Tetrachloroethene
Concen: 43.488 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion:164 Resp: 49152
Ion Ratio Lower Upper
164 100
166 122.1 102.6 154.0
129 92.0 75.2 112.8
131 91.5 75.0 112.4





#65

Chlorobenzene

Concen: 49.021 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

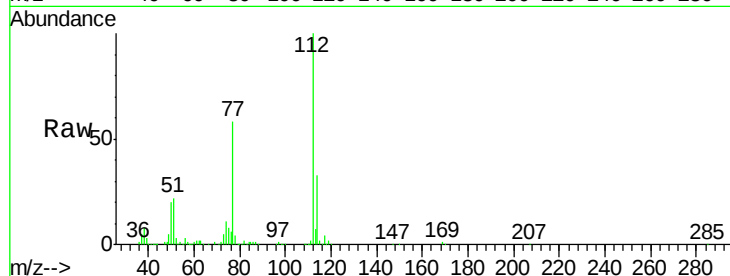
ClientSampled :

Tot Ion:112 Resp: 172499

Ion Ratio Lower Upper

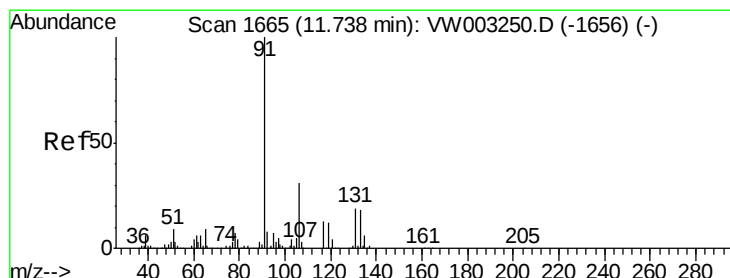
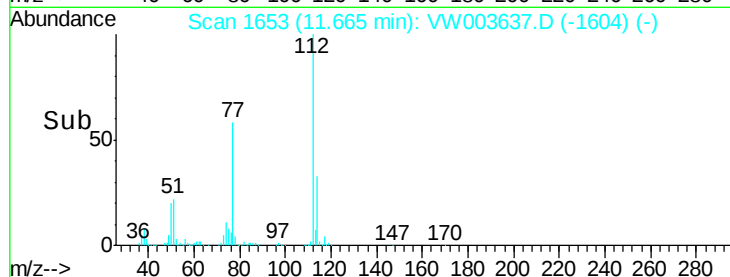
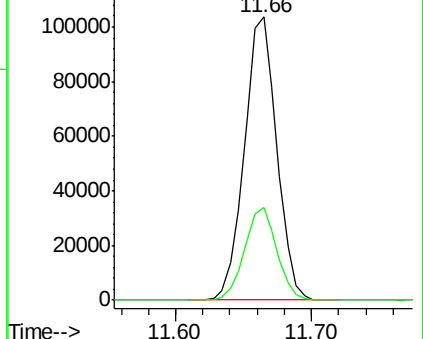
112 100

114 32.5 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.875 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

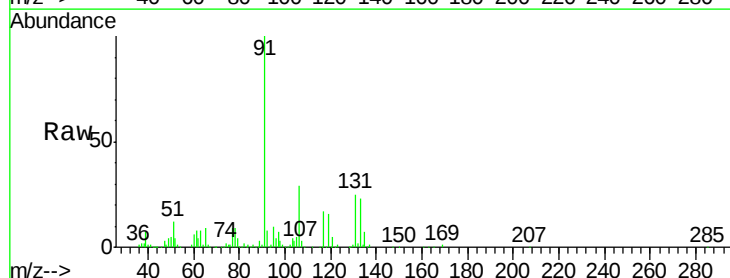
Tgt Ion:131 Resp: 70332

Ion Ratio Lower Upper

131 100

133 93.9 47.3 142.0

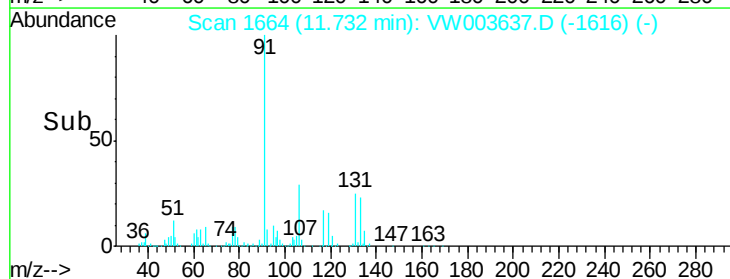
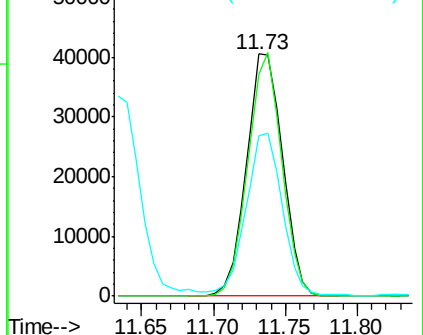
119 67.0 32.5 97.4

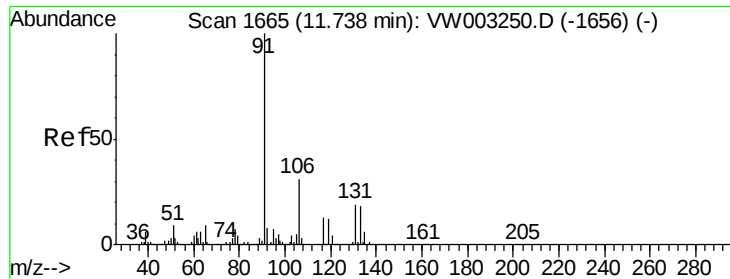


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.796 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

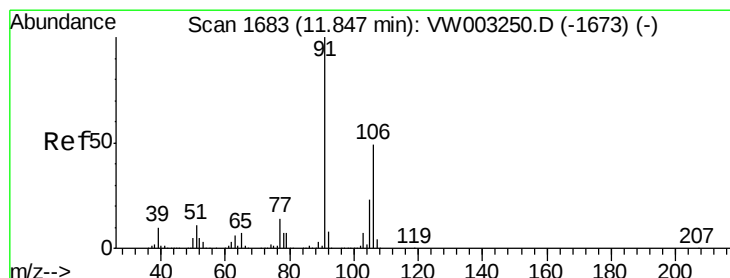
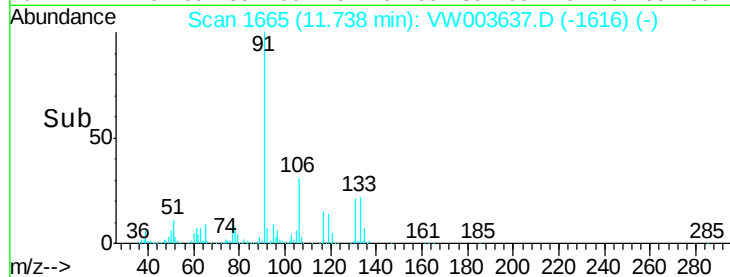
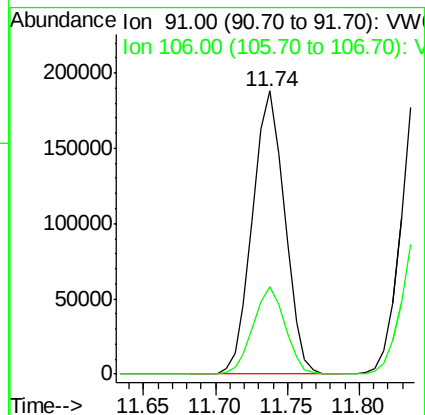
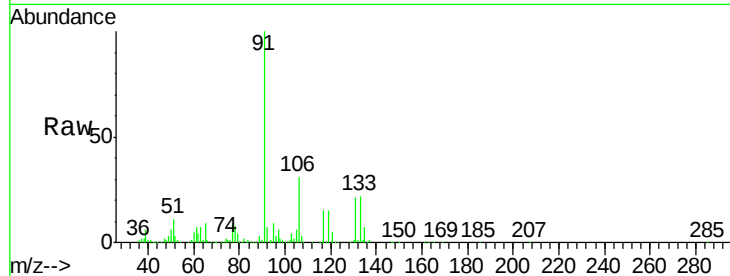
ClientSampleId :

Tot Ion: 91 Resp: 291898

Ion Ratio Lower Upper

91 100

106 31.2 24.7 37.1



#68

m/p-Xylenes

Concen: 91.958 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003637.D

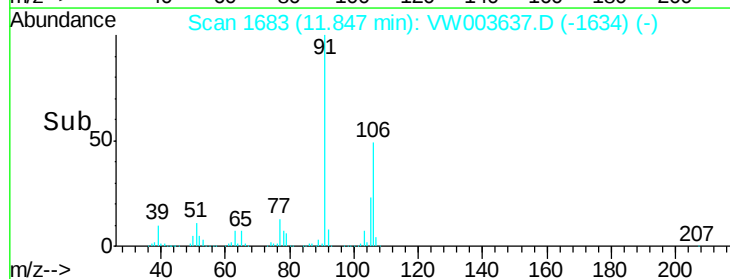
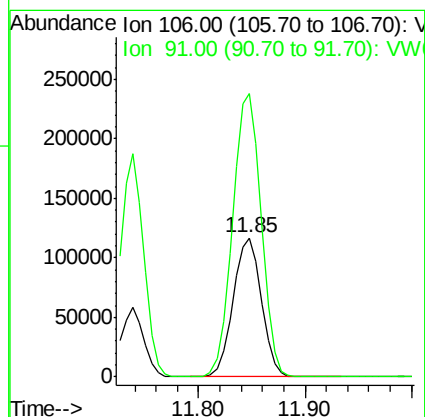
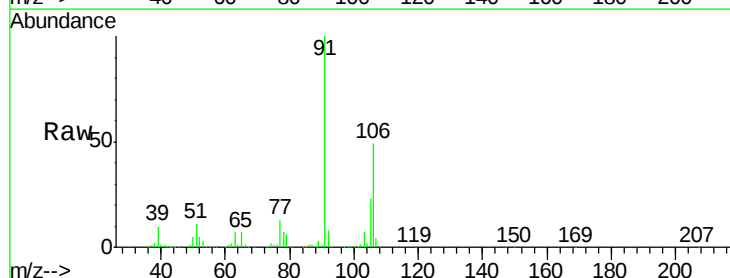
Acq: 28 Jun 2018 14:40

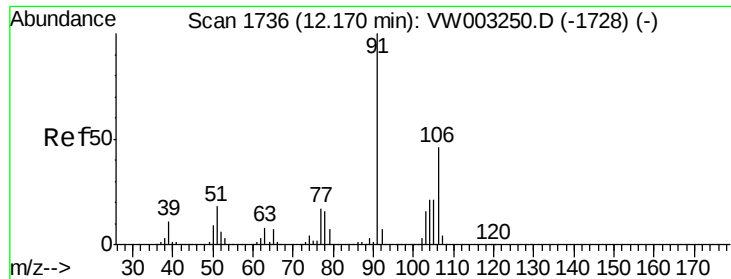
Tgt Ion: 106 Resp: 218049

Ion Ratio Lower Upper

106 100

91 205.4 165.4 248.0

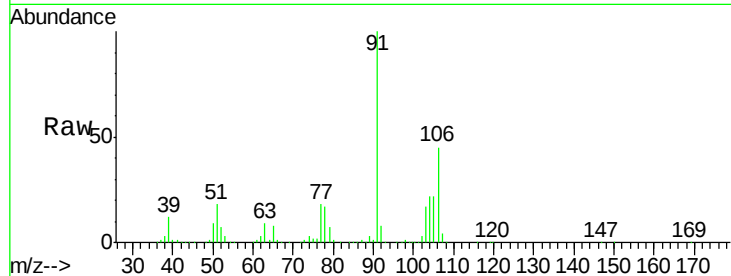




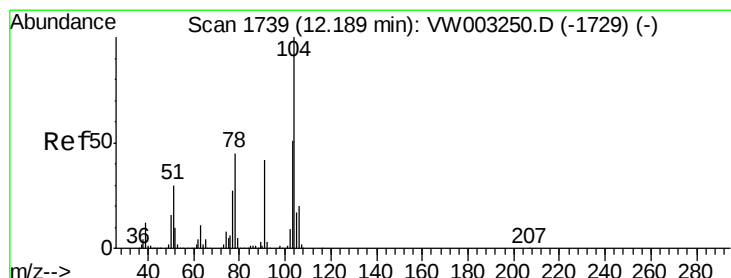
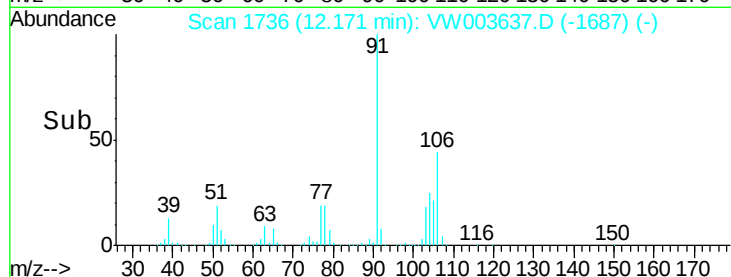
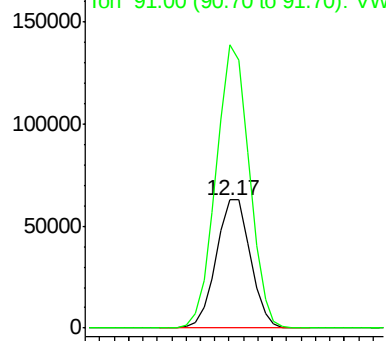
#69
o-Xylene
Concen: 47.084 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 103469
Ion Ratio Lower Upper
106 100
91 214.3 108.6 325.6

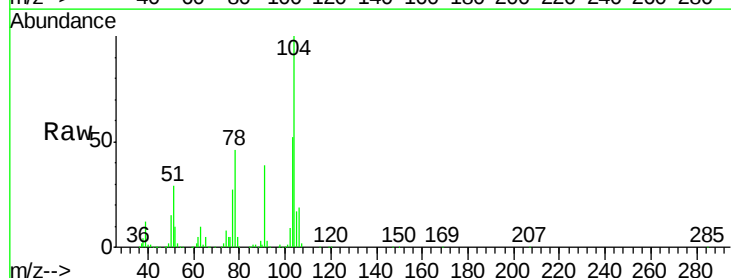


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

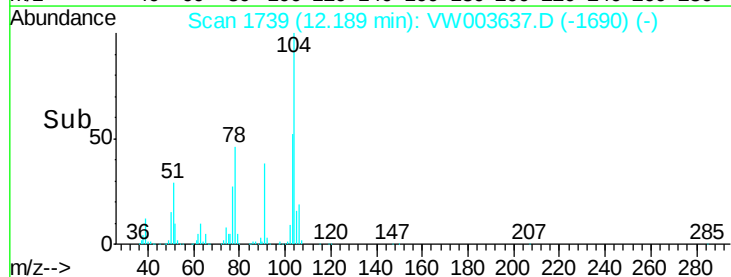
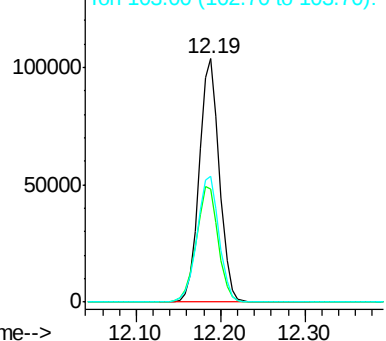


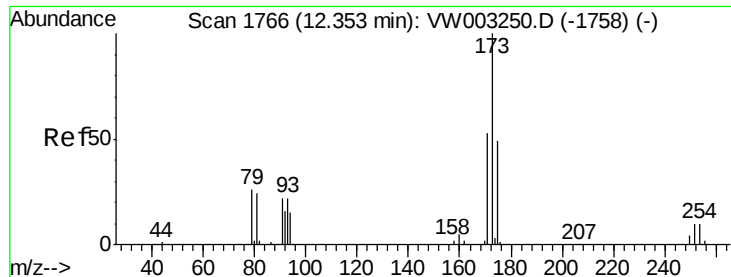
#70
Styrene
Concen: 46.223 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion:104 Resp: 169076
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 56.5 45.0 67.4



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





#71

Bromoform

Concen: 63.811 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

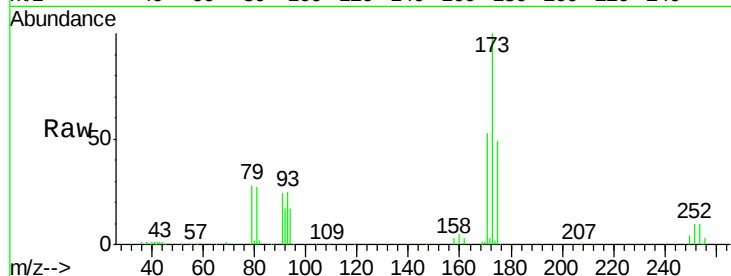
Tot Ion:173 Resp: 40896

Ion Ratio Lower Upper

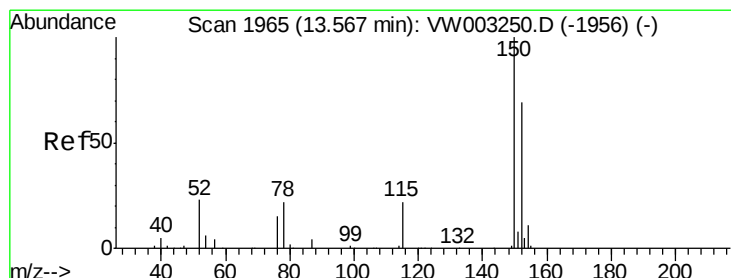
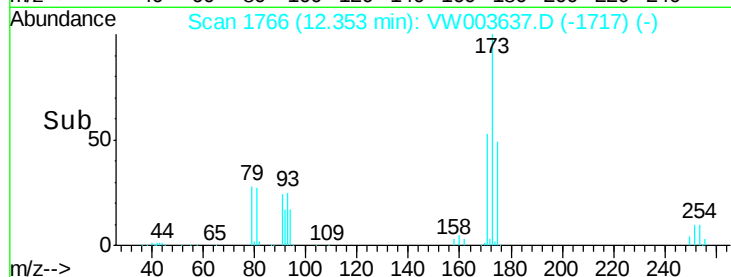
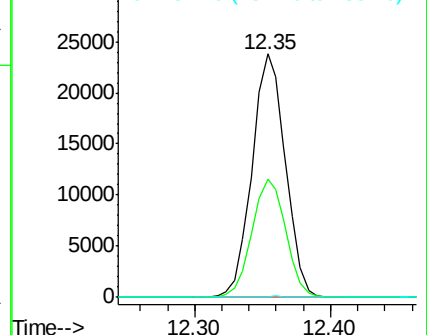
173 100

175 49.2 24.4 73.4

254 0.2 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: VW003637.D

Acq: 28 Jun 2018 14:40

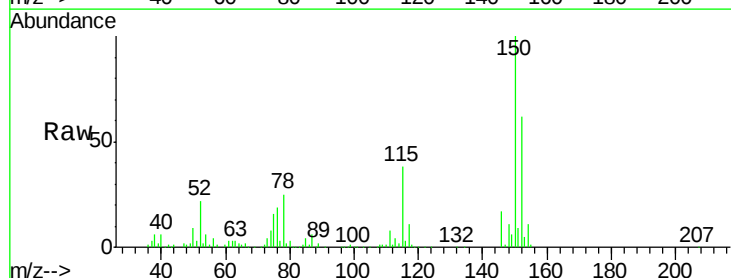
Tgt Ion:152 Resp: 54882

Ion Ratio Lower Upper

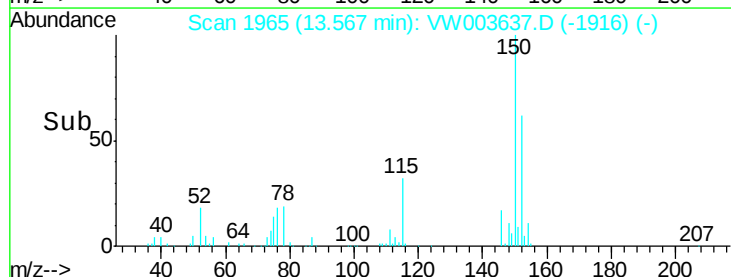
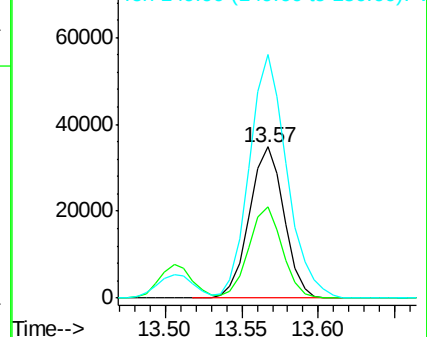
152 100

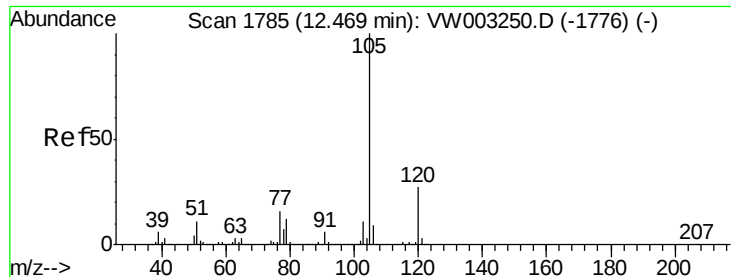
115 59.0 29.3 88.0

150 174.1 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: 60.902 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

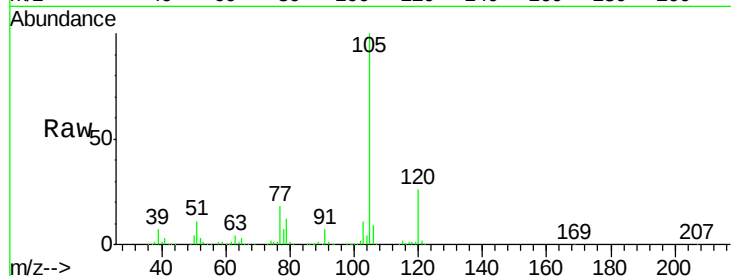
ClientSampleId :

Tot Ion:105 Resp: 232478

Ion Ratio Lower Upper

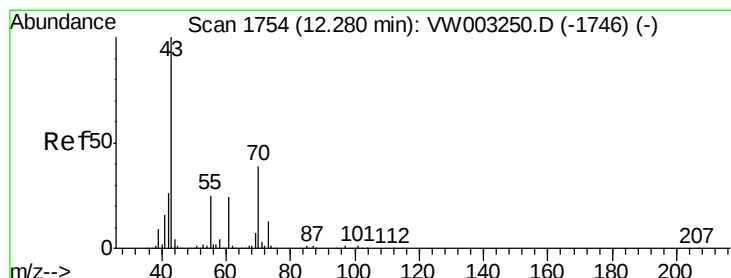
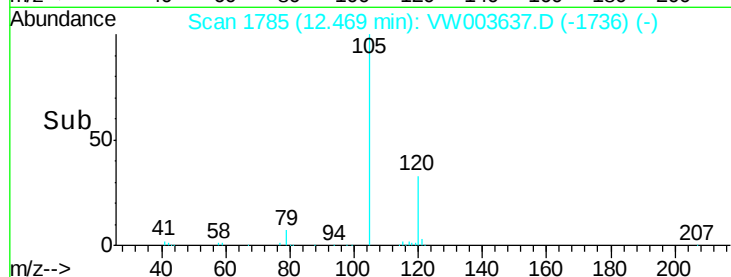
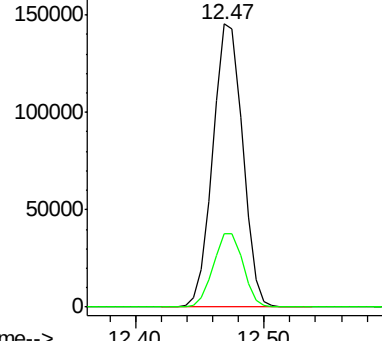
105 100

120 26.0 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: 75.673 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Tgt Ion: 43 Resp: 65749

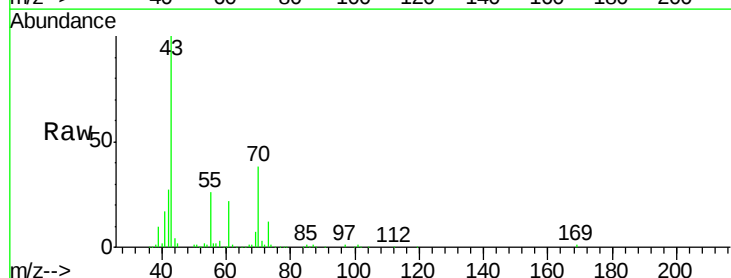
Ion Ratio Lower Upper

43 100

70 37.4 31.0 46.6

55 25.8 19.7 29.5

61 21.5 18.1 27.1

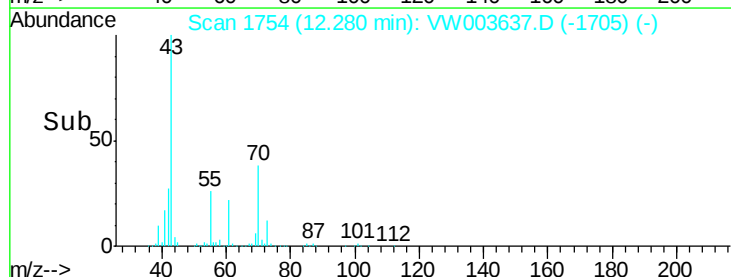
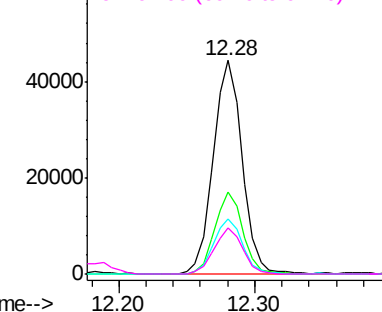


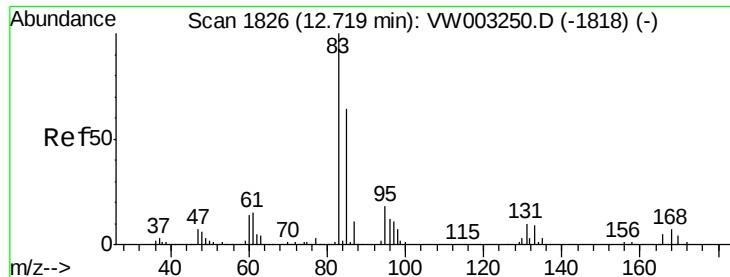
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 114.128 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

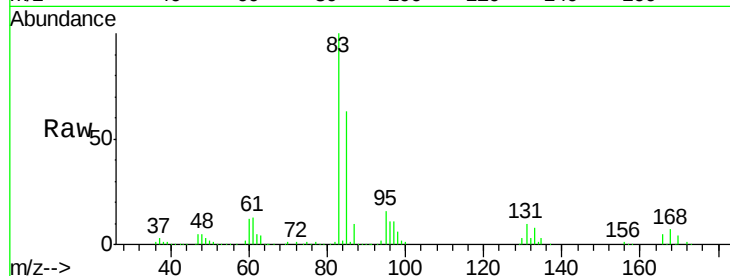
Tot Ion: 83 Resp: 73704

Ion Ratio Lower Upper

83 100

131 9.9 5.4 16.2

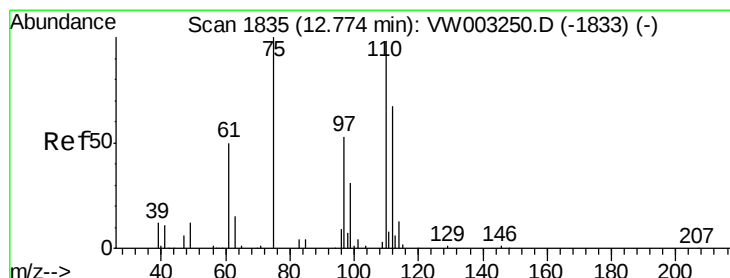
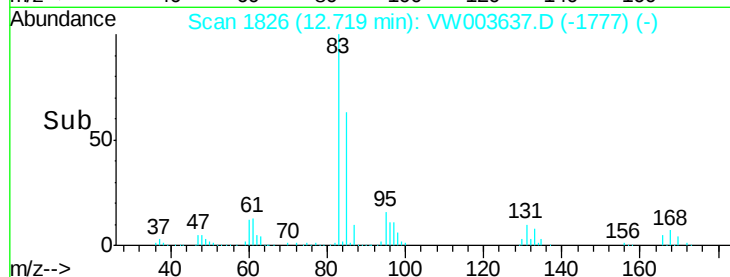
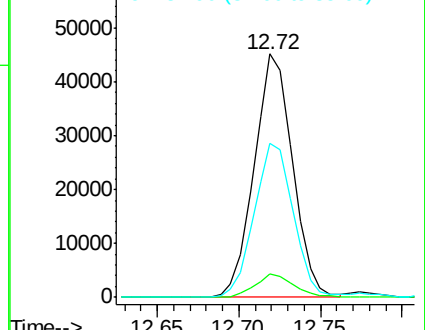
85 64.2 31.9 95.7



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: 215.622 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003637.D

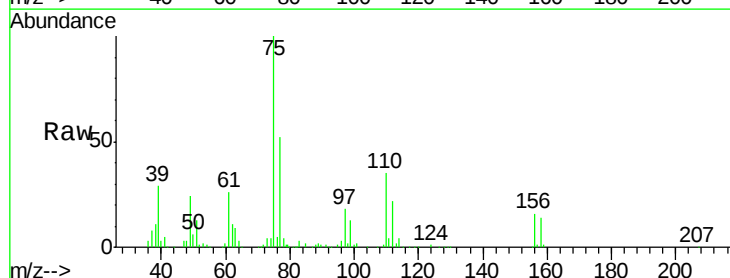
Acq: 28 Jun 2018 14:40

Tgt Ion: 75 Resp: 101165

Ion Ratio Lower Upper

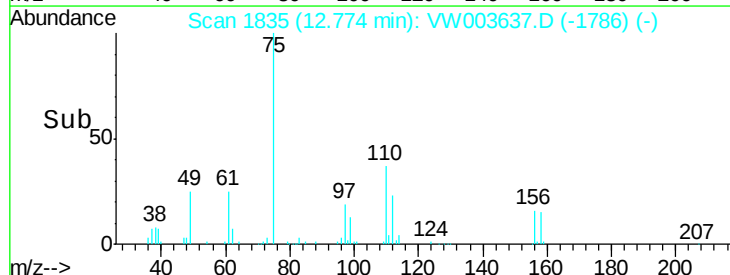
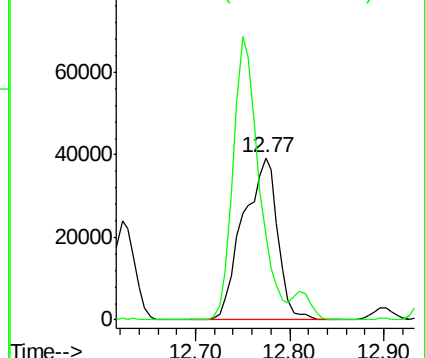
75 100

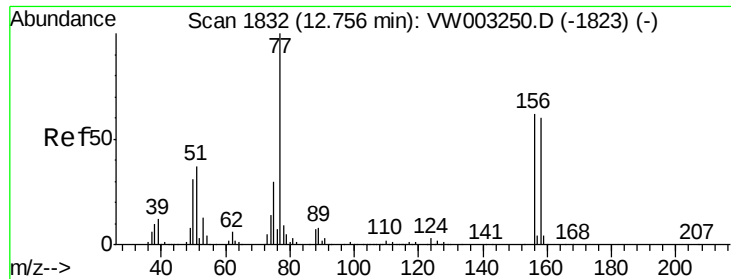
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 69.976 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

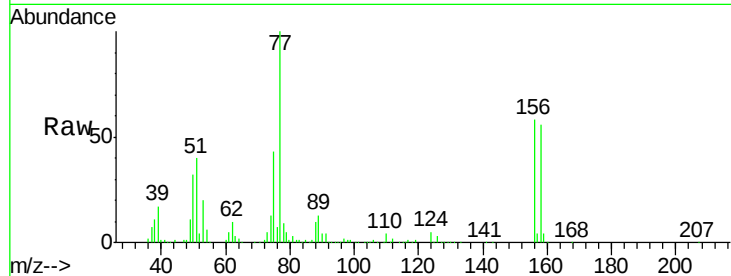
Tot Ion:156 Resp: 62209

Ion Ratio Lower Upper

156 100

77 212.3 92.3 276.9

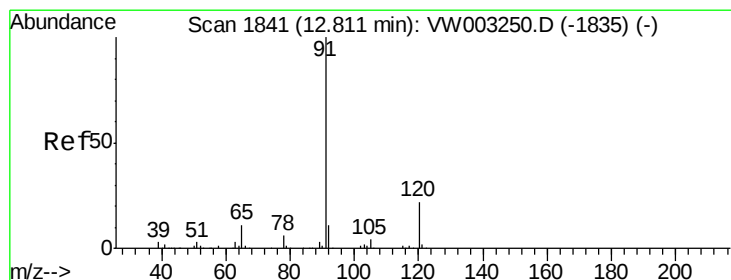
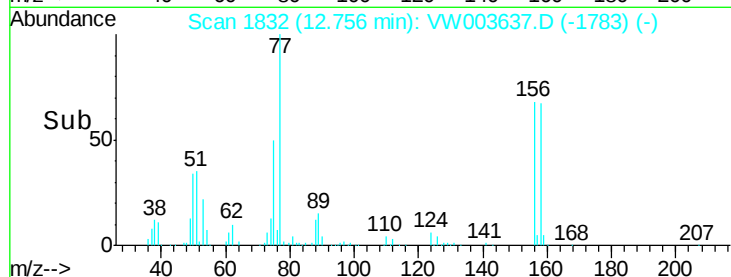
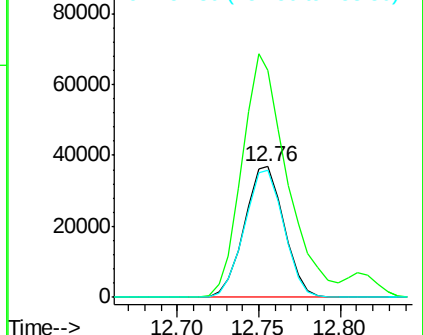
158 97.1 47.5 142.6



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: 54.201 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003637.D

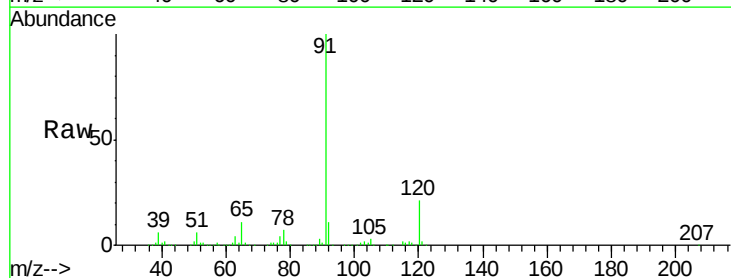
Acq: 28 Jun 2018 14:40

Tgt Ion: 91 Resp: 253344

Ion Ratio Lower Upper

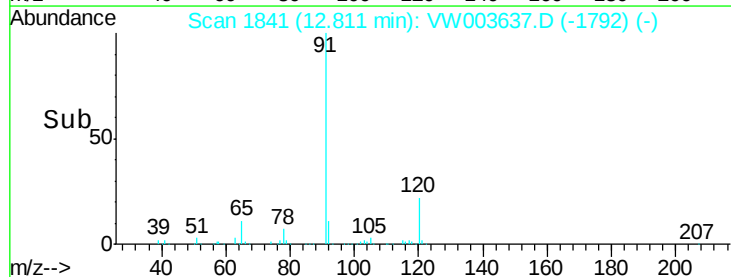
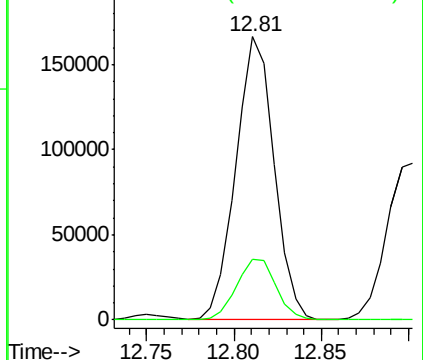
91 100

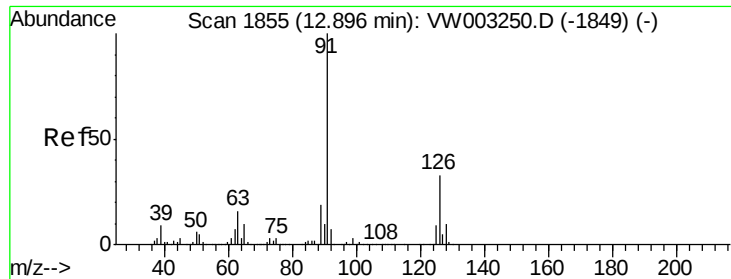
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.034 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

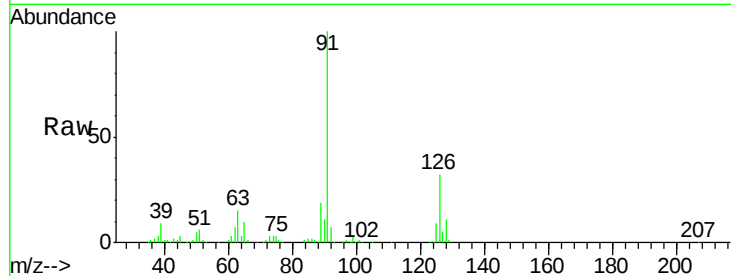
ClientSampleId :

Tot Ion: 91 Resp: 150654

Ion Ratio Lower Upper

91 100

126 33.2 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90

100000

80000

60000

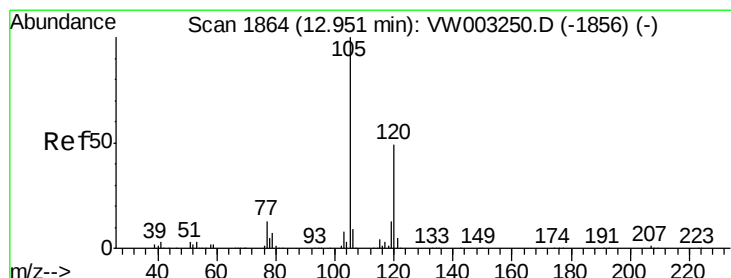
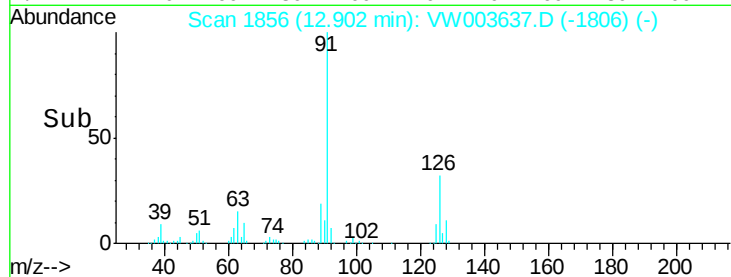
40000

20000

0

Time-->

12.85 12.90 12.95



#80

1,3,5-Trimethylbenzene

Concen: 54.262 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003637.D

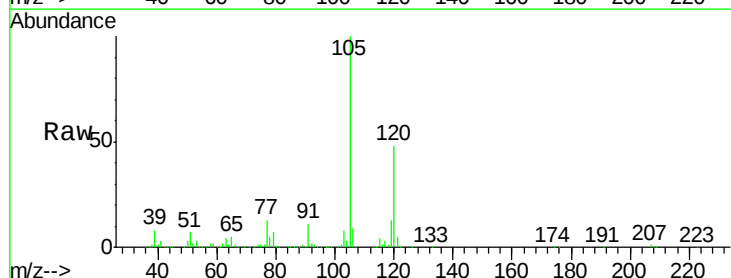
Acq: 28 Jun 2018 14:40

Tgt Ion:105 Resp: 173860

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

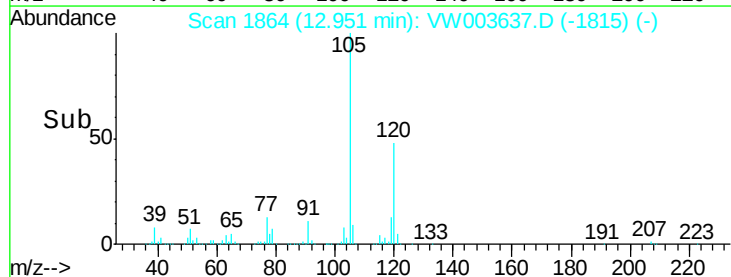
100000

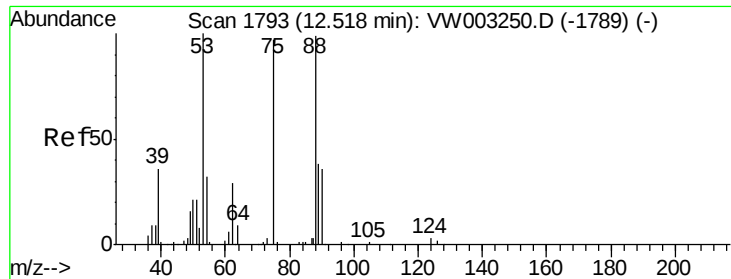
50000

0

Time-->

12.90 12.95 13.00





#81

trans-1,4-Dichloro-2-butene

Concen: 122.910 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

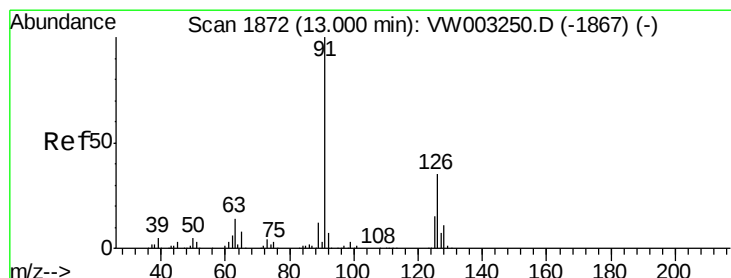
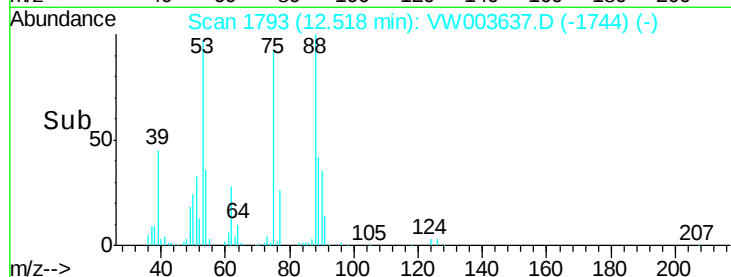
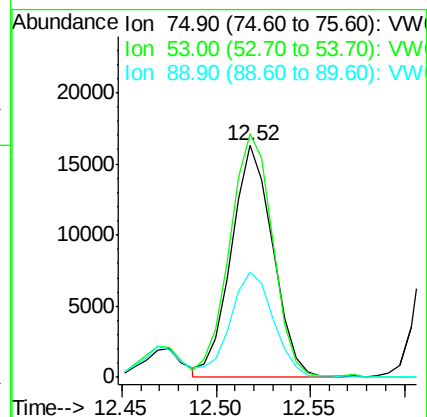
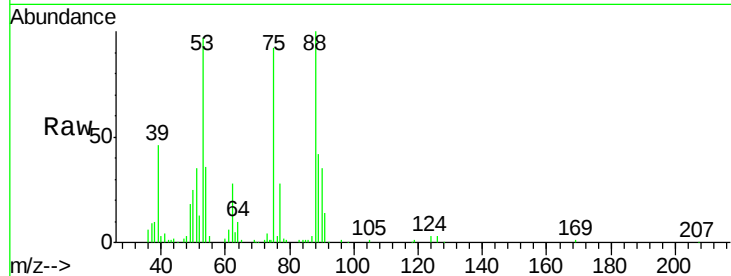
Tot Ion: 75 Resp: 25061

Ion Ratio Lower Upper

75 100

53 106.8 82.9 124.3

89 47.3 36.7 55.1



#82

4-Chlorotoluene

Concen: 56.194 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003637.D

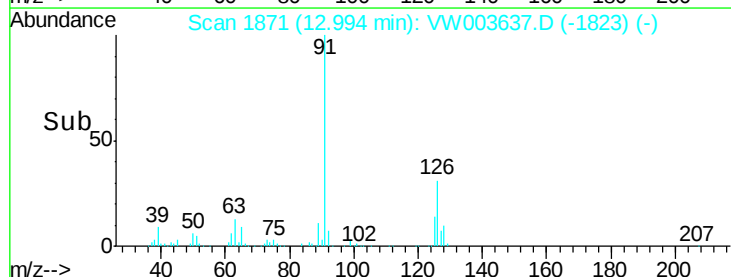
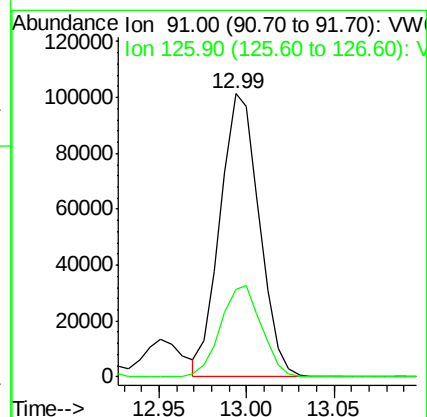
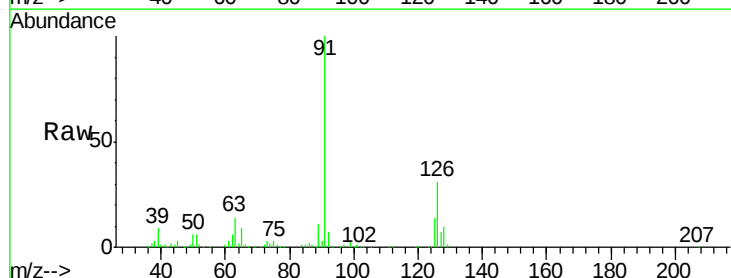
Acq: 28 Jun 2018 14:40

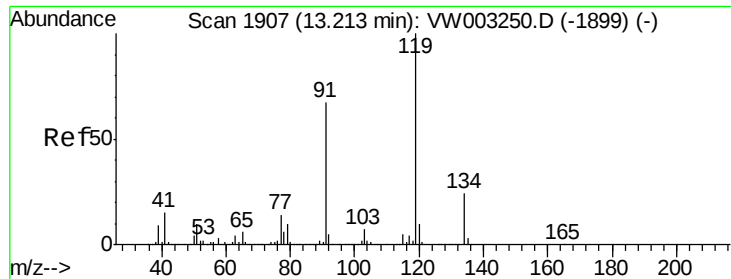
Tgt Ion: 91 Resp: 157464

Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.3

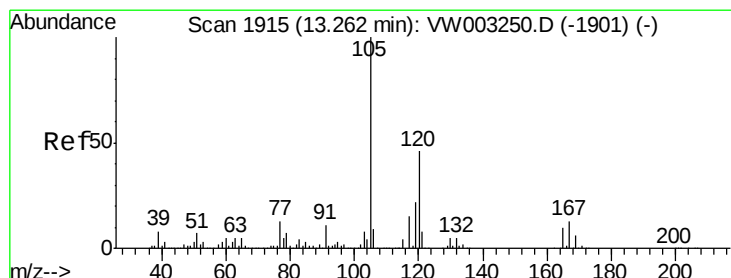
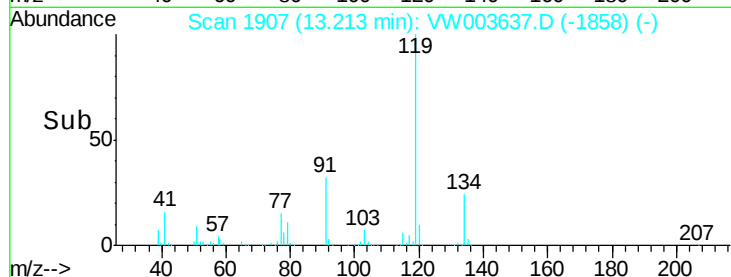
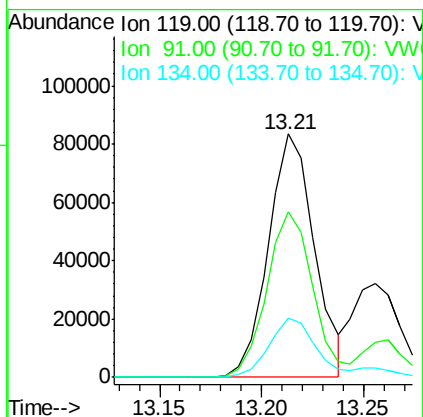
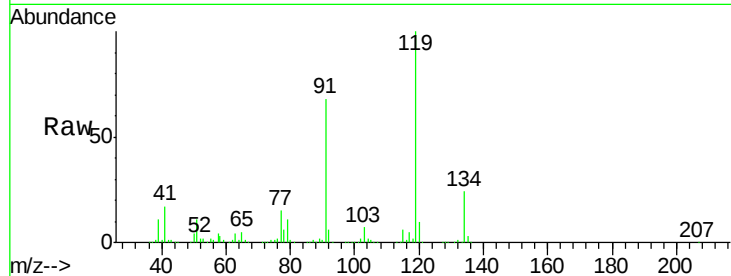




#83
tert-Butylbenzene
Concen: 48.192 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

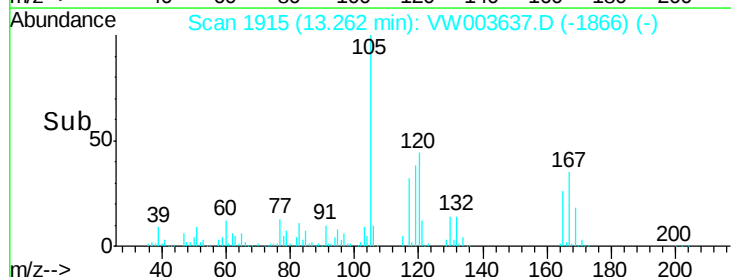
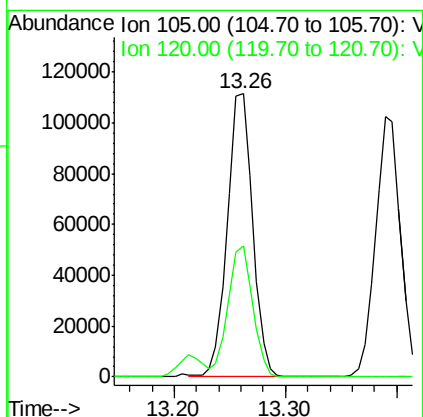
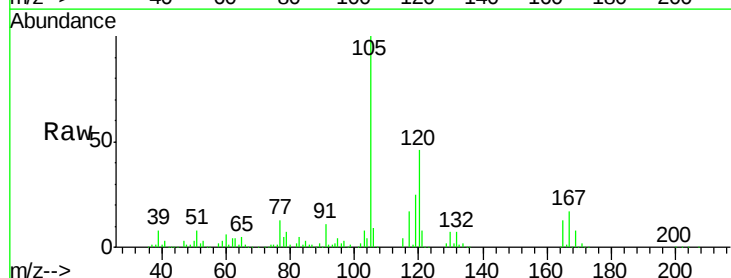
Instrument :
MSVOA_W
ClientSampled :

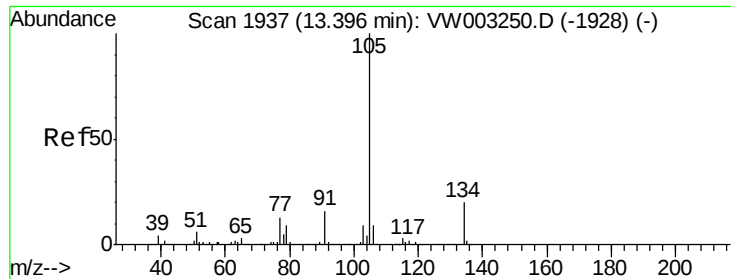
Tot Ion:119 Resp: 131593
Ion Ratio Lower Upper
119 100
91 68.3 33.9 101.7
134 24.6 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 53.361 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion:105 Resp: 175875
Ion Ratio Lower Upper
105 100
120 45.3 22.5 67.5

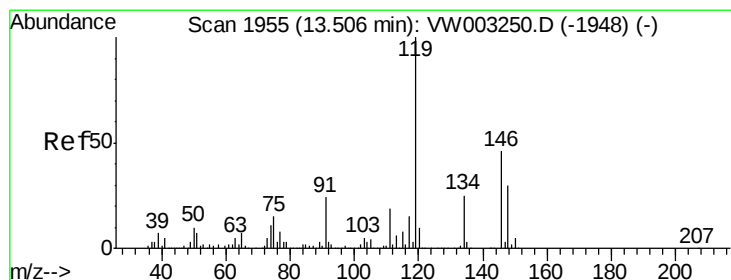
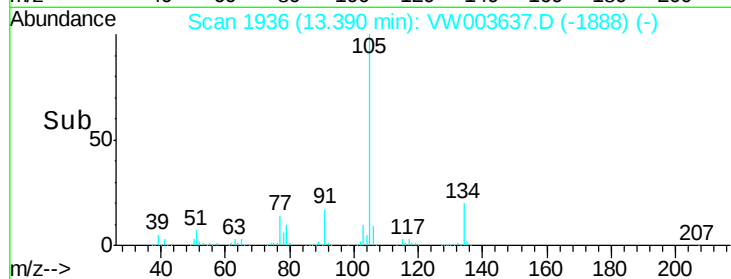
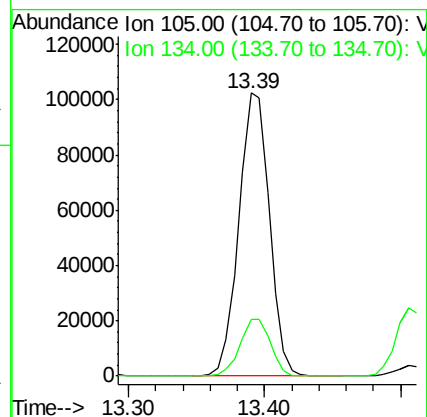
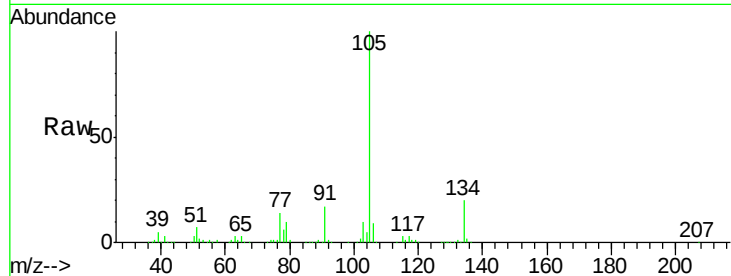




#85
 sec-Butylbenzene
 Concen: 39.461 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

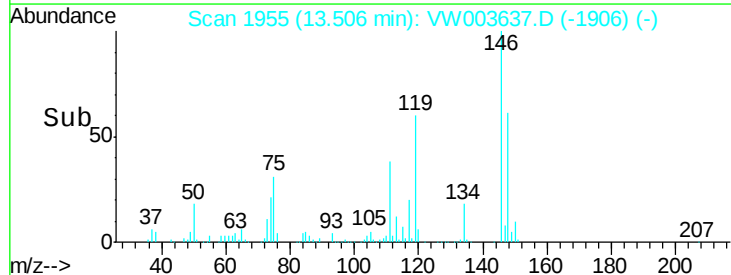
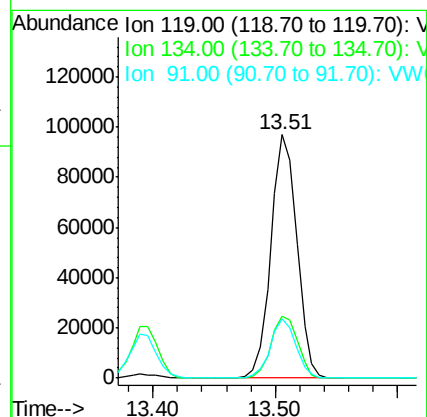
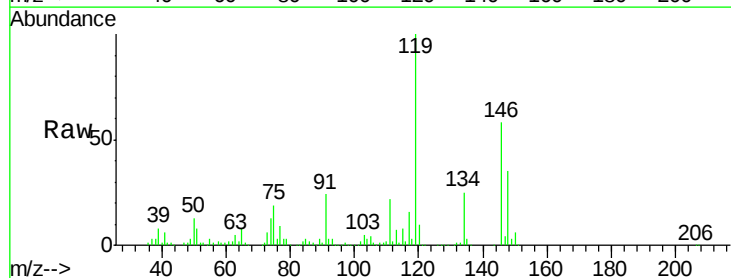
Instrument :
 MSVOA_W
 ClientSampleId :

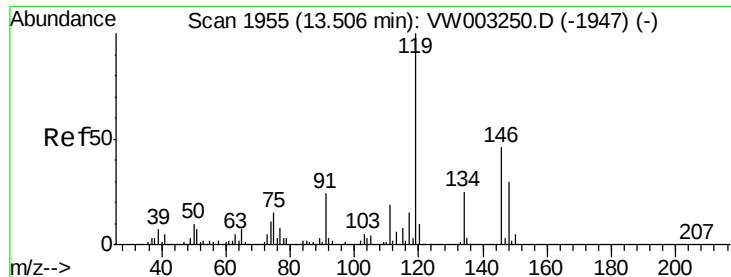
Tot Ion:105 Resp: 160165
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 39.884 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion:119 Resp: 142777
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 24.5 11.8 35.3

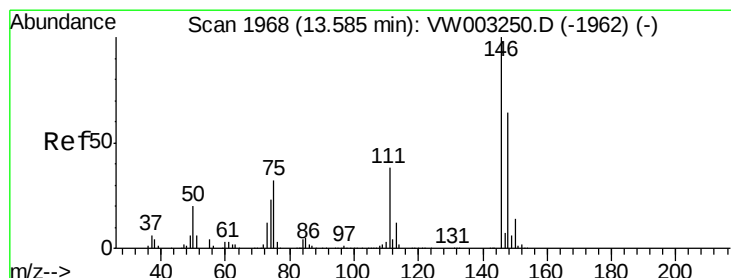
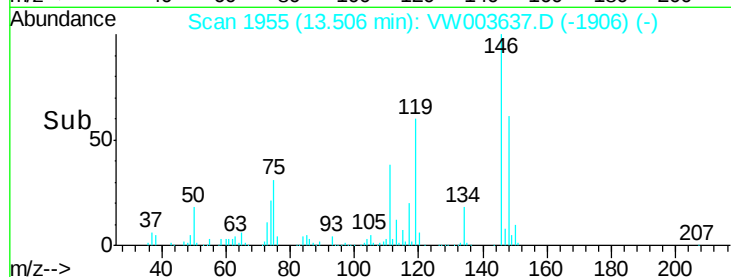
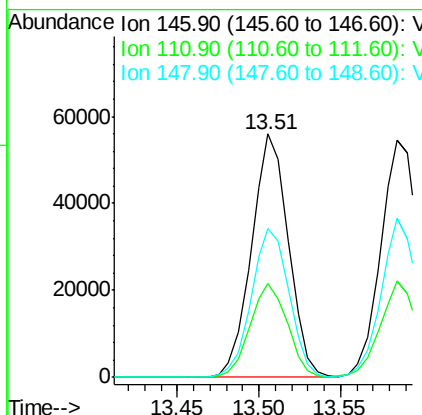
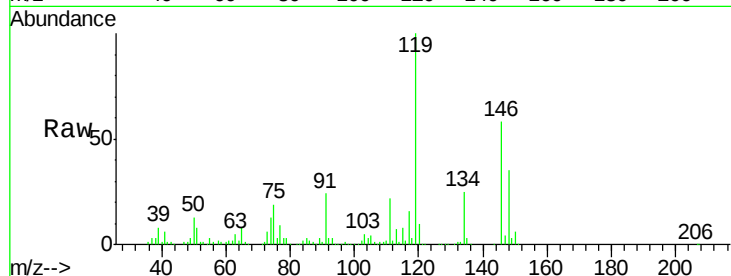




#87
 1,3-Dichlorobenzene
 Concen: 48.260 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

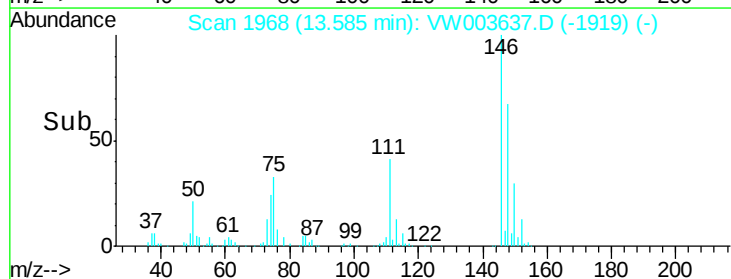
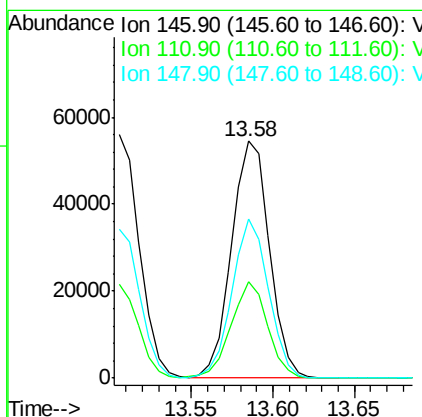
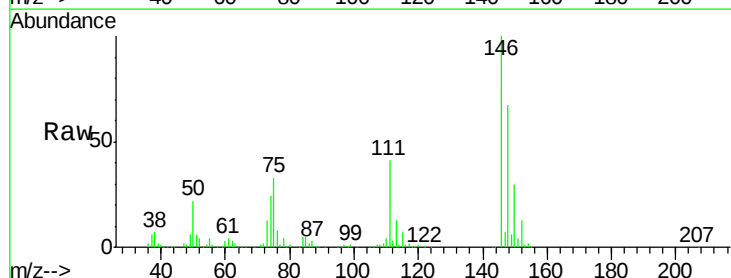
Instrument :
 MSVOA_W
 ClientSampleId :

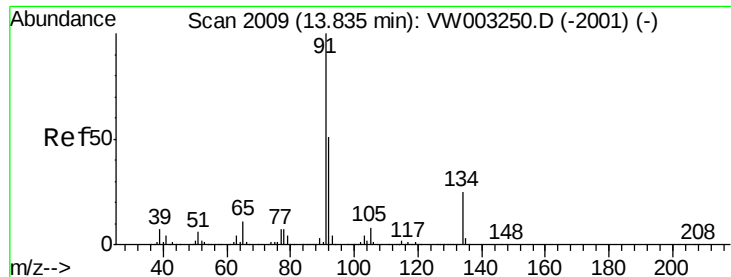
Tot Ion:146 Resp: 88136
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.8 59.4
 148 62.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.587 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion:146 Resp: 88213
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.2 57.6
 148 64.7 31.8 95.4





#89

n-Butylbenzene

Concen: 30.679 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

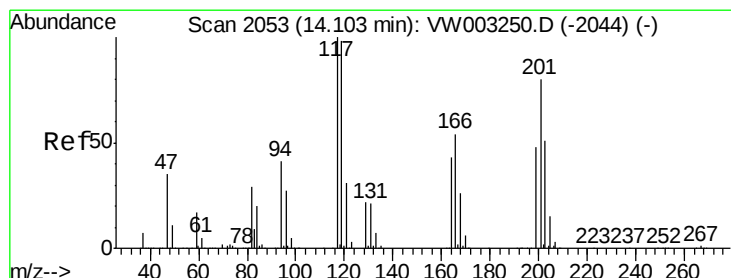
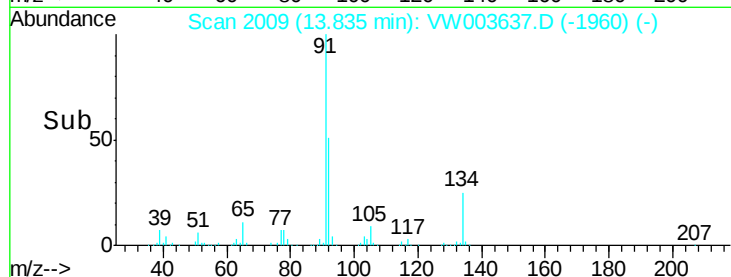
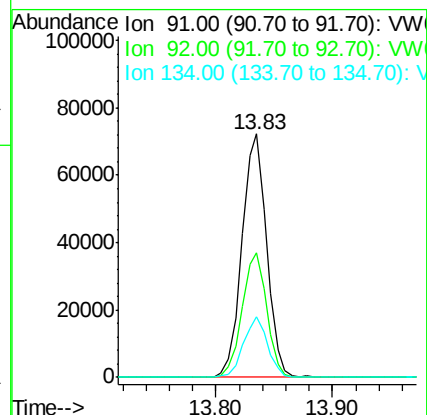
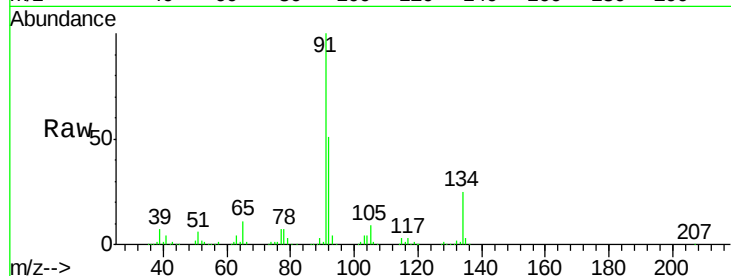
Tot Ion: 91 Resp: 107053

Ion Ratio Lower Upper

91 100

92 50.9 26.0 78.0

134 24.0 12.7 38.0



#90

Hexachloroethane

Concen: 38.222 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003637.D

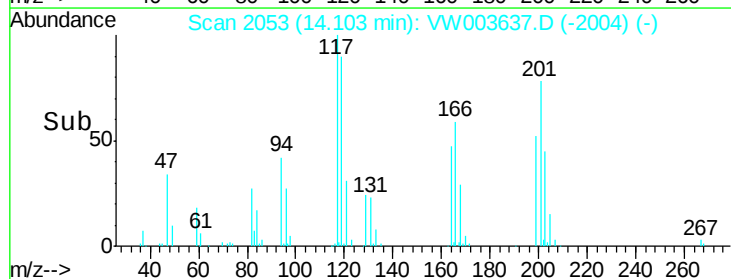
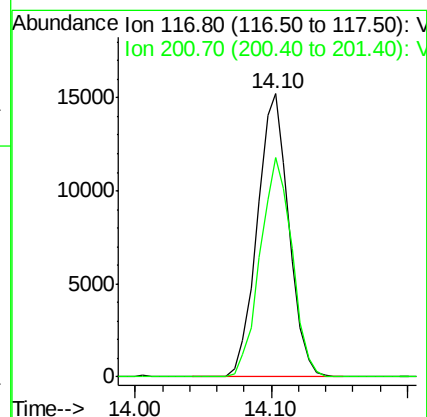
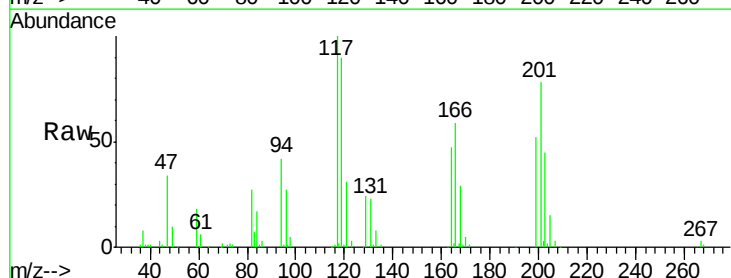
Acq: 28 Jun 2018 14:40

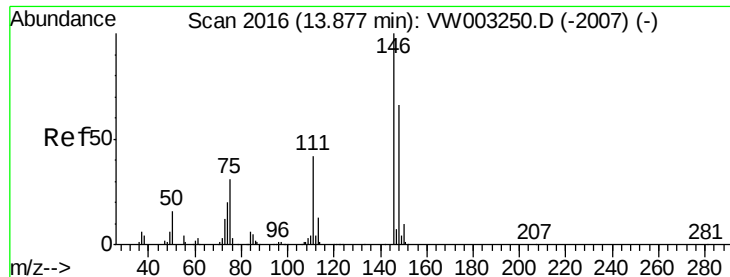
Tgt Ion: 117 Resp: 24752

Ion Ratio Lower Upper

117 100

201 78.5 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 49.504 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

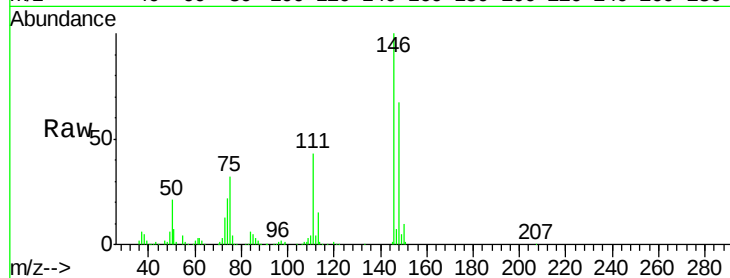
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 79195

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.2	32.3	96.9

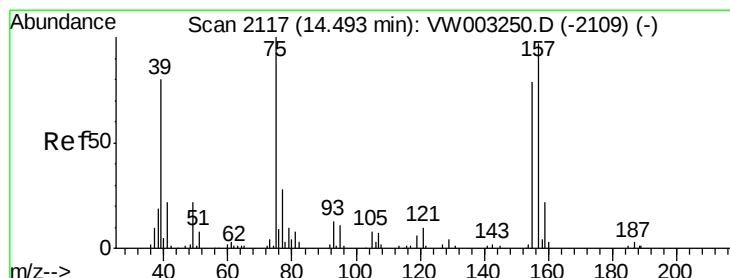
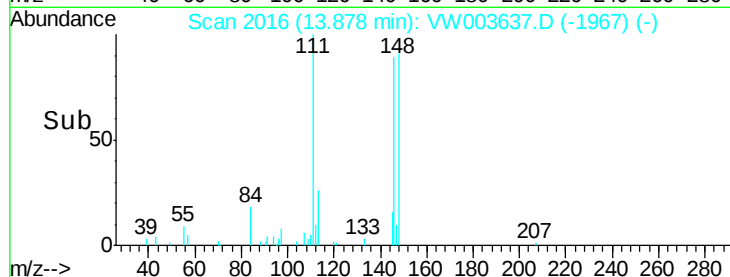
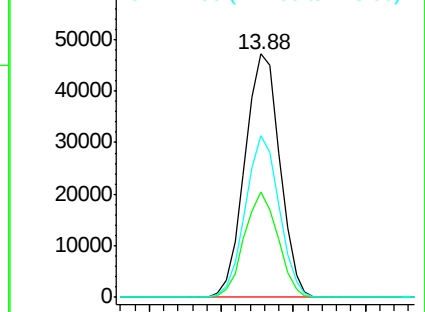


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 101.943 ug/l

RT: 14.49 min Scan# 2117

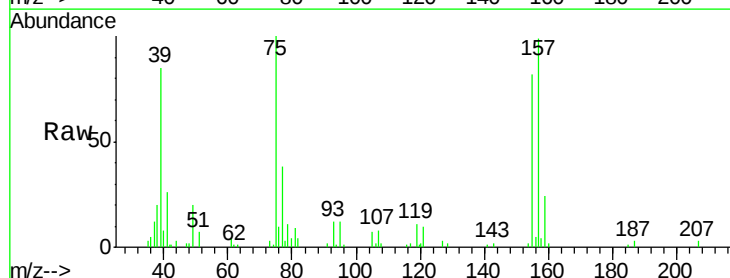
Delta R.T. 0.00 min

Lab File: VW003637.D

Acq: 28 Jun 2018 14:40

Tgt Ion: 75 Resp: 11079

Ion	Ratio	Lower	Upper
75	100		
155	84.0	39.4	118.2
157	106.5	51.5	154.5

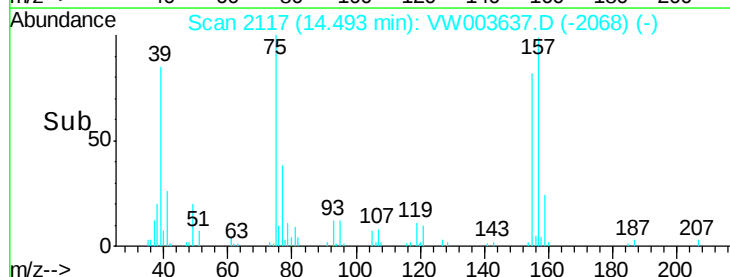
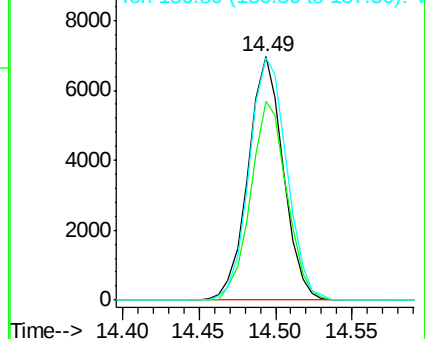


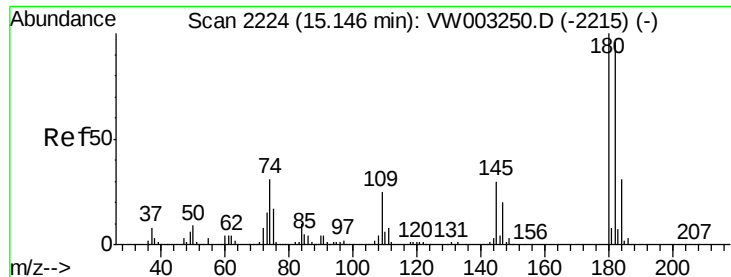
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

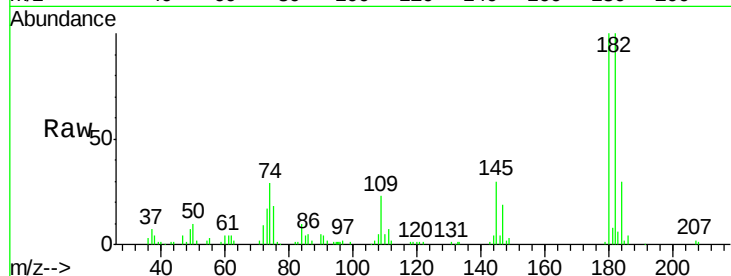




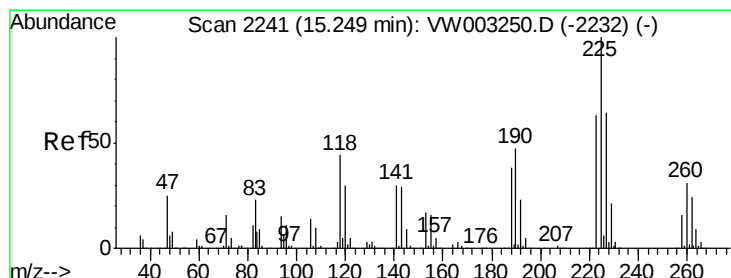
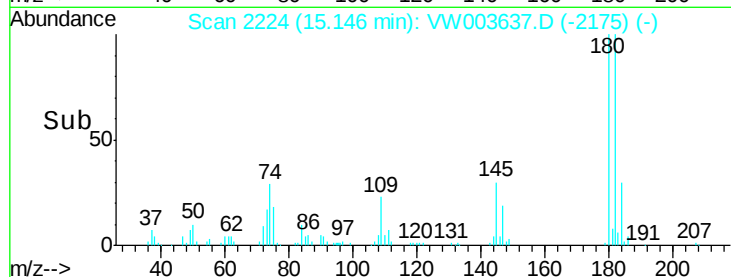
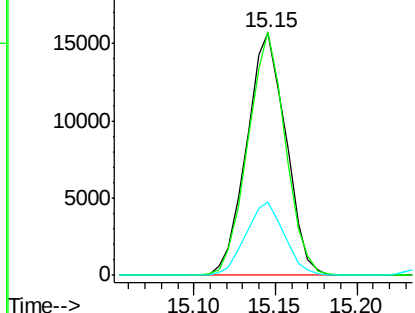
#93
 1,2,4-Trichlorobenzene
 Concen: 23.365 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	29.9	15.2	45.5

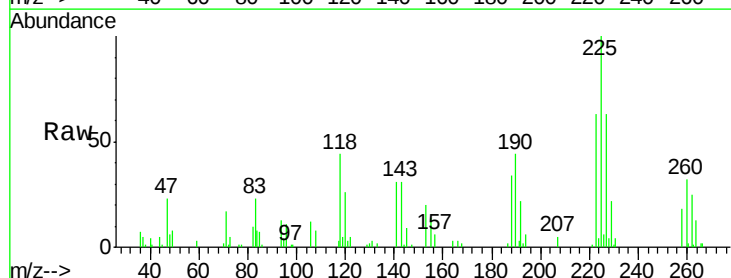


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

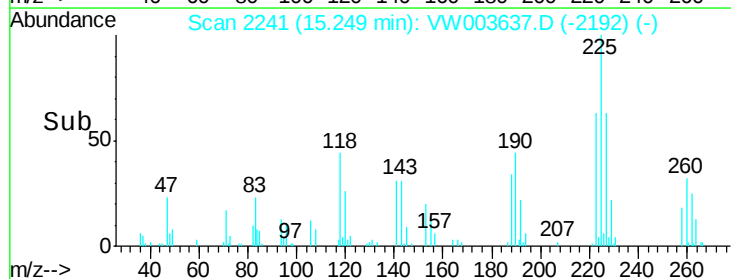
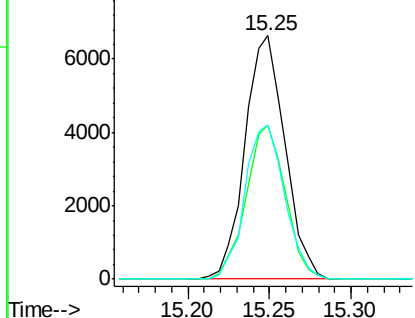


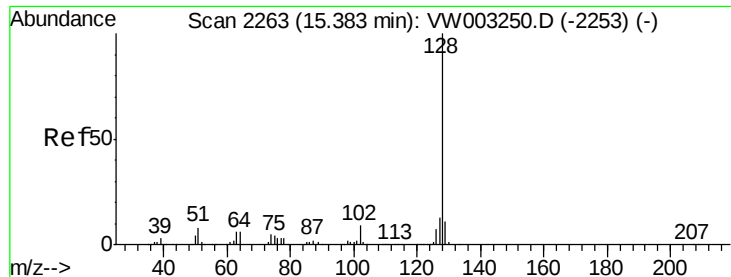
#94
 Hexachlorobutadiene
 Concen: 16.766 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003637.D
 Acq: 28 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.6	92.0
227	63.0	31.7	95.1



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

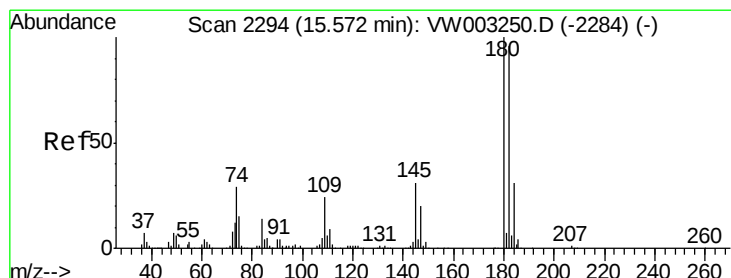
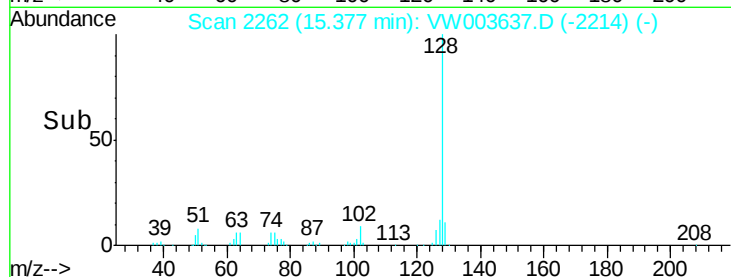
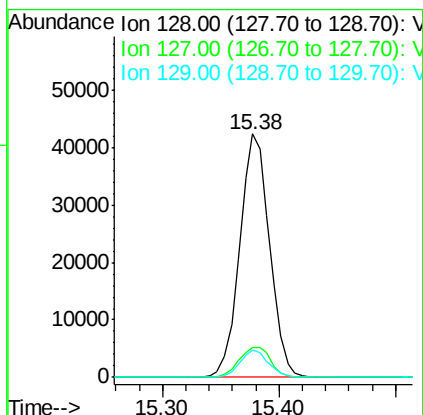
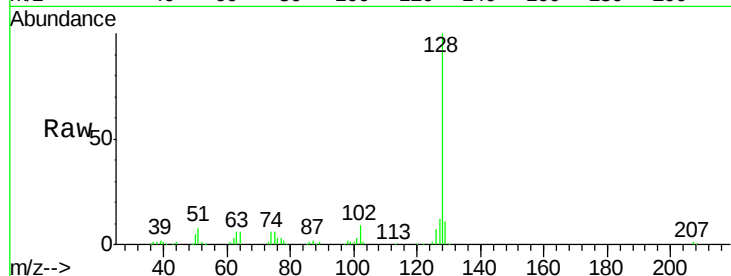




#95
Naphthalene
Concen: 39.669 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 75571
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.455 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003637.D
Acq: 28 Jun 2018 14:40

Tgt Ion:180 Resp: 22197
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.6
145 31.6 15.8 47.4

