

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
 Data File : VW005870.D
 Acq On : 05 Oct 2018 00:56
 Operator : SY/AP
 Sample : VW1006SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 05 01:23:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	271130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	137766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112791	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.89	113	89749	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.33	98	385962	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.62	95	142870	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19690	18.637	ug/l	86
3) Chloromethane	2.21	50	24462	19.214	ug/l	99
4) Vinyl Chloride	2.37	62	35080	18.817	ug/l	93
5) Bromomethane	2.78	94	24117	18.563	ug/l	100
6) Chloroethane	2.93	64	21175	18.571	ug/l	98
7) Trichlorofluoromethane	3.26	101	22184	17.303	ug/l	97
8) Diethyl Ether	3.67	74	19168	19.715	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36313	20.478	ug/l	99
10) Methyl Iodide	4.26	142	55079	19.143	ug/l	97
11) Tert butyl alcohol	5.21	59	13076	96.350	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	34297	19.739	ug/l	93
13) Acrolein	3.89	56	15442	113.246	ug/l	98
14) Allyl chloride	4.66	41	55137	19.553	ug/l	100
15) Acrylonitrile	5.37	53	43480	105.533	ug/l	99
16) Acetone	4.14	43	40561	108.289	ug/l	99
17) Carbon Disulfide	4.37	76	99993	18.201	ug/l	98
18) Methyl Acetate	4.68	43	21108	19.815	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	55740	20.435	ug/l	94
20) Methylene Chloride	4.92	84	41581	14.905	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	37681	19.869	ug/l	98
22) Diisopropyl ether	6.32	45	103504	18.703	ug/l	95
23) Vinyl Acetate	6.26	43	311049	98.945	ug/l	99
24) 1,1-Dichloroethane	6.21	63	67337	18.752	ug/l	97
25) 2-Butanone	7.18	43	55326	105.004	ug/l	97
26) 2,2-Dichloropropane	7.17	77	43128	19.235	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	40829	19.314	ug/l	97
28) Bromochloromethane	7.52	49	25577	20.166	ug/l	99
29) Tetrahydrofuran	7.54	42	33658	103.478	ug/l	98
30) Chloroform	7.68	83	73783	19.173	ug/l	100
31) Cyclohexane	7.96	56	55979	18.235	ug/l	88
32) 1,1,1-Trichloroethane	7.88	97	61833	18.826	ug/l	100
36) 1,1-Dichloropropene	8.09	75	52087	19.327	ug/l	99
37) Ethyl Acetate	7.26	43	23346	20.814	ug/l	99
38) Carbon Tetrachloride	8.07	117	58389	19.444	ug/l	99

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Instrument :
 MSVOA_W
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Quant Time: Oct 05 01:23:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58866	19.402	ug/l	97
40) Benzene	8.32	78	149884	19.189	ug/l	98
41) Methacrylonitrile	7.49	41	14142	21.099	ug/l	94
42) 1,2-Dichloroethane	8.40	62	52756	20.081	ug/l	99
43) Isopropyl Acetate	8.43	43	45614	20.574	ug/l	99
44) Trichloroethene	9.10	130	39348	19.061	ug/l	95
45) 1,2-Dichloropropane	9.37	63	34505	18.656	ug/l	100
46) Dibromomethane	9.46	93	19372	19.151	ug/l	98
47) Bromodichloromethane	9.65	83	51001	19.050	ug/l	96
48) Methyl methacrylate	9.44	41	20619	19.209	ug/l	94
49) 1,4-Dioxane	9.46	88	6329	400.445	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	126757	109.898	ug/l	99
52) Toluene	10.39	92	105250	21.142	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	54290	20.769	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	60188	20.566	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30888	21.137	ug/l	95
56) Ethyl methacrylate	10.65	69	37362	21.348	ug/l	97
57) 1,3-Dichloropropane	10.93	76	52961	21.288	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	80717	112.184	ug/l	99
59) 2-Hexanone	10.98	43	85788	111.202	ug/l	99
60) Dibromochloromethane	11.13	129	36978	20.270	ug/l	91
61) 1,2-Dibromoethane	11.24	107	28711	21.151	ug/l	99
64) Tetrachloroethene	10.87	164	40424	18.711	ug/l	95
65) Chlorobenzene	11.66	112	117305	19.384	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	42534	18.962	ug/l	97
67) Ethyl Benzene	11.74	91	196818	18.993	ug/l	97
68) m/p-Xylenes	11.85	106	157235	39.377	ug/l	99
69) o-Xylene	12.17	106	72120	19.432	ug/l	99
70) Styrene	12.19	104	125083	19.869	ug/l	98
71) Bromoform	12.35	173	23845	19.310	ug/l #	100
73) Isopropylbenzene	12.47	105	203655	21.485	ug/l	98
74) N-amyl acetate	12.28	43	46186	22.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	37018	22.761	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49423	39.474	ug/l #	100
77) Bromobenzene	12.75	156	50006	21.367	ug/l	99
78) n-propylbenzene	12.81	91	247843	21.983	ug/l	98
79) 2-Chlorotoluene	12.90	91	143962	21.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	181405	22.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11512	23.242	ug/l	98
82) 4-Chlorotoluene	12.99	91	150635	21.281	ug/l	99
83) tert-Butylbenzene	13.21	119	150567	21.933	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	184190	21.792	ug/l	98
85) sec-Butylbenzene	13.39	105	211546	21.347	ug/l	98
86) p-Isopropyltoluene	13.51	119	195737	22.005	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	99211	21.014	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	98154	20.837	ug/l	98
89) n-Butylbenzene	13.83	91	180541	22.038	ug/l	98
90) Hexachloroethane	14.10	117	35825	21.420	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	93088	21.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7088	22.542	ug/l	96

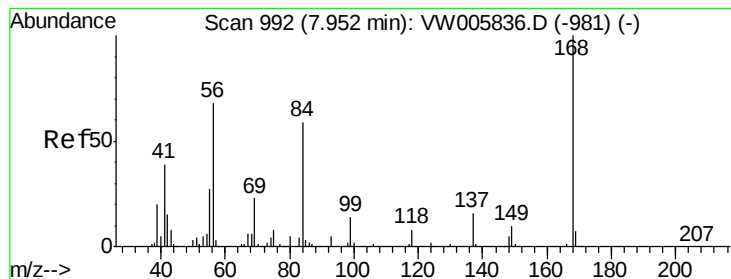
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64720	21.817	ug/l	98
94) Hexachlorobutadiene	15.24	225	41155	21.940	ug/l	98
95) Naphthalene	15.38	128	112283	21.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	58634	21.985	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

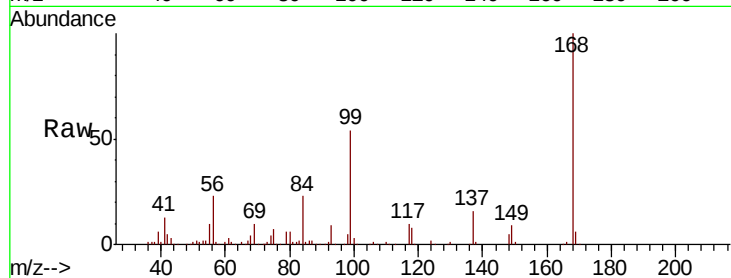
ClientSampleId :

Tgt Ion:168 Resp: 185006

Ion Ratio Lower Upper

168 100

99 53.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

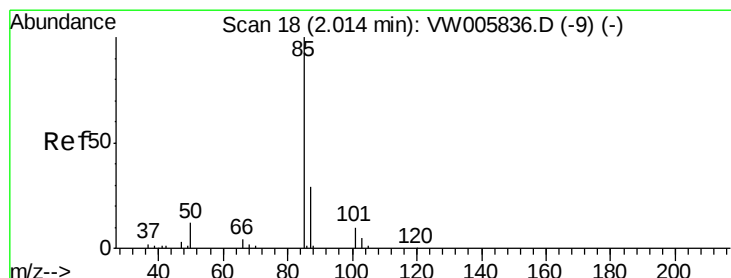
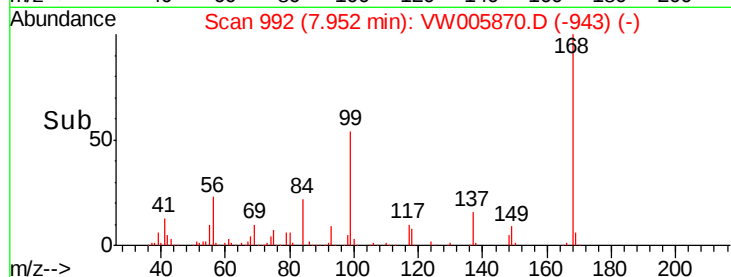
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.637 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005870.D

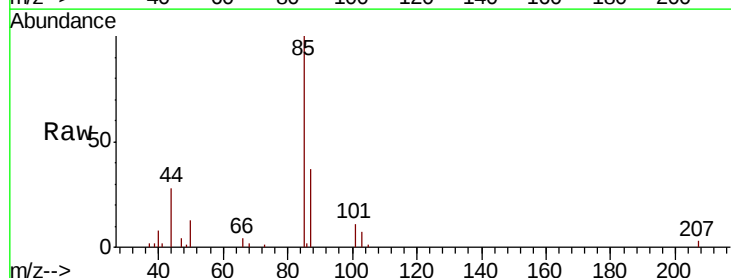
Acq: 05 Oct 2018 00:56

Tgt Ion: 85 Resp: 19690

Ion Ratio Lower Upper

85 100

87 36.9 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

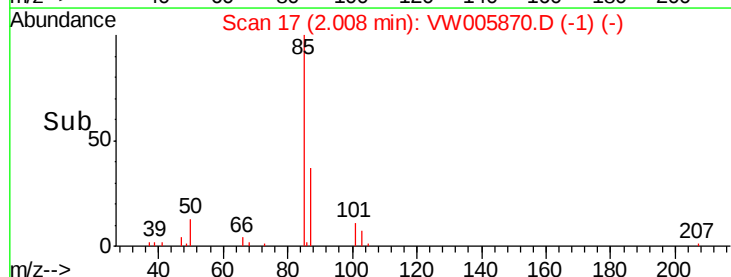
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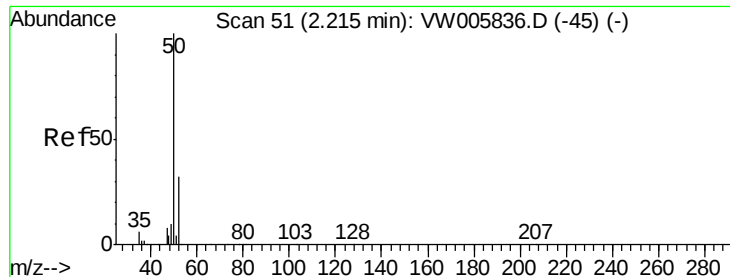
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 19.214 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

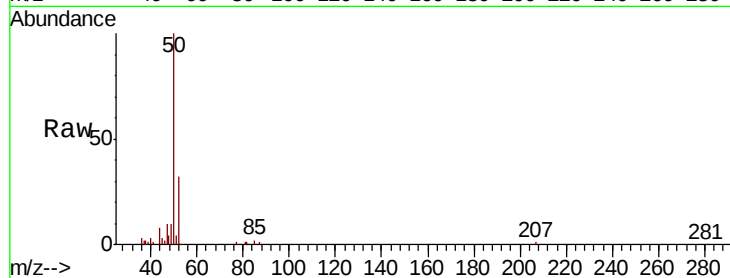
ClientSampled :

Tgt Ion: 50 Resp: 24462

Ion Ratio Lower Upper

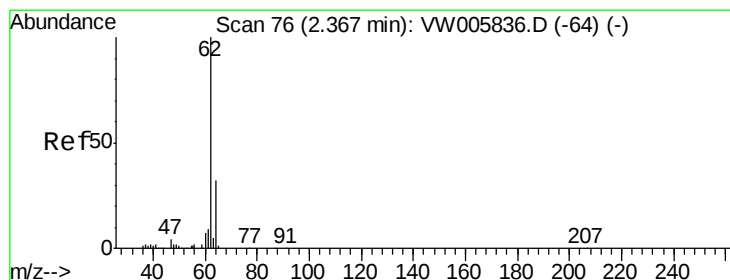
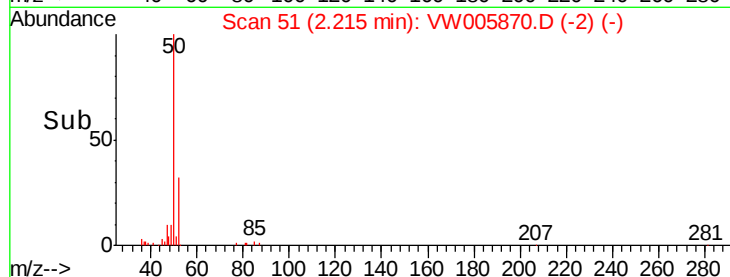
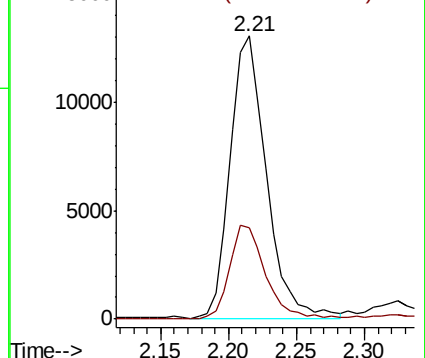
50 100

52 32.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005870.D

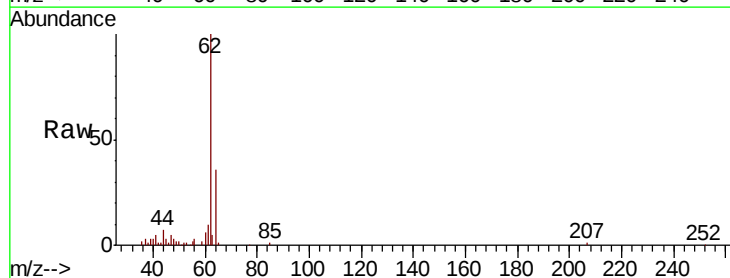
Acq: 05 Oct 2018 00:56

Tgt Ion: 62 Resp: 35080

Ion Ratio Lower Upper

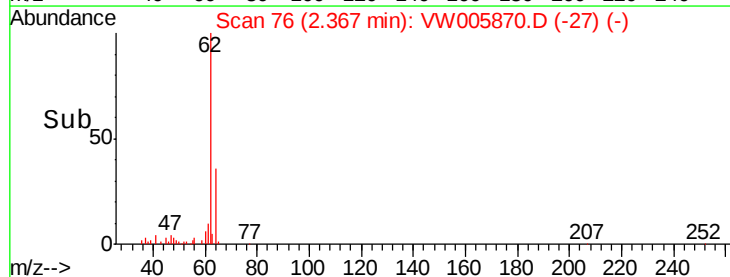
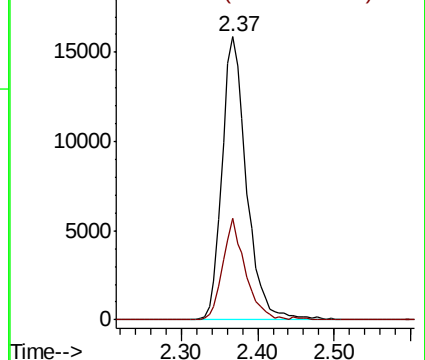
62 100

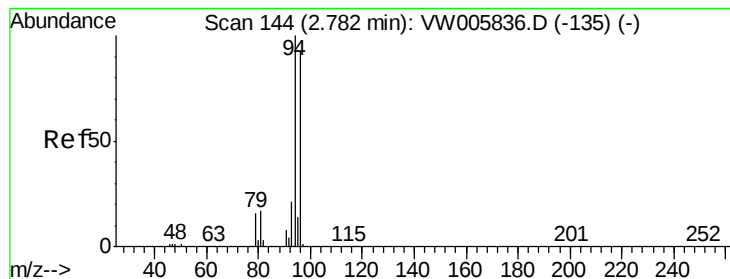
64 35.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.563 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

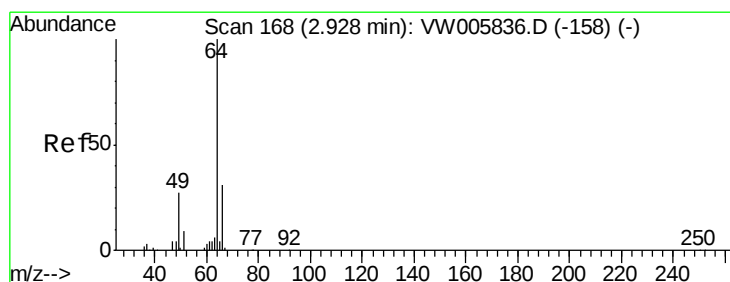
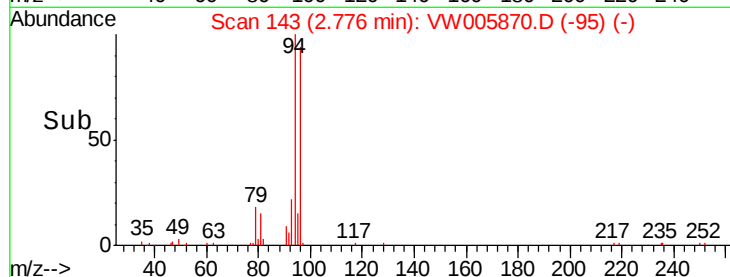
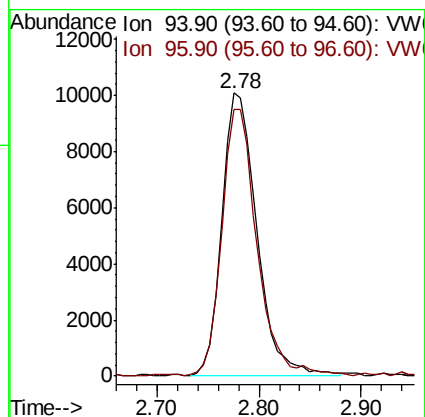
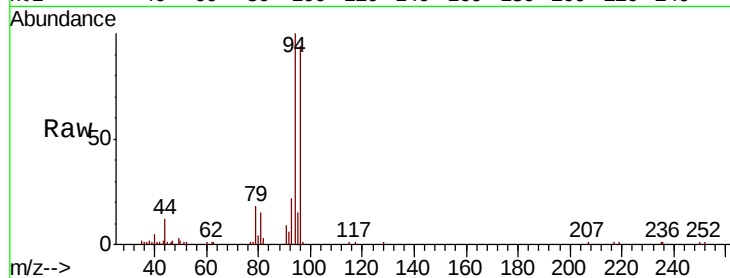
ClientSampled :

Tgt Ion: 94 Resp: 24117

Ion Ratio Lower Upper

94 100

96 93.5 74.5 111.7



#6

Chloroethane

Concen: 18.571 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005870.D

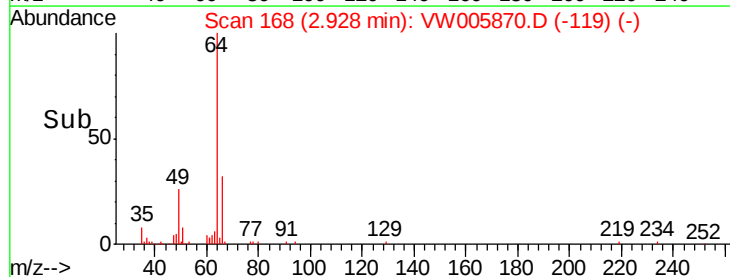
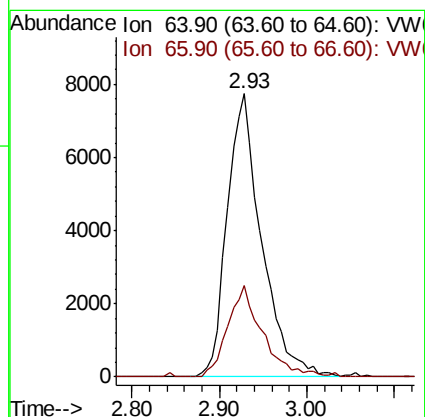
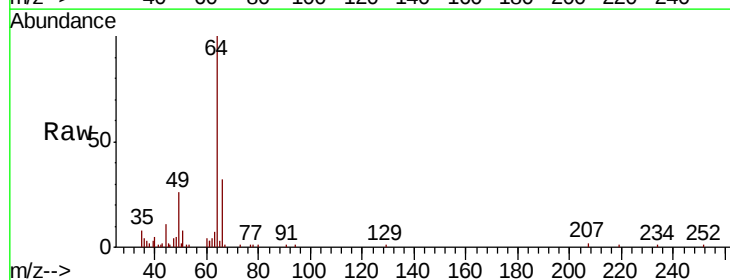
Acq: 05 Oct 2018 00:56

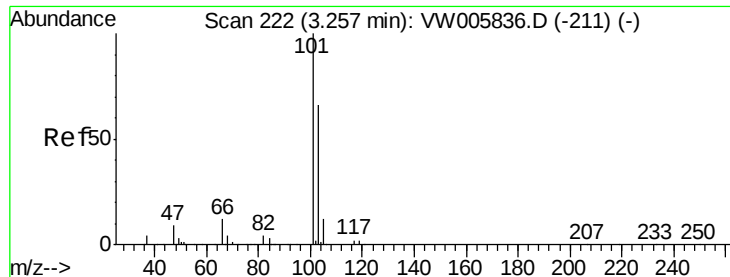
Tgt Ion: 64 Resp: 21175

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6



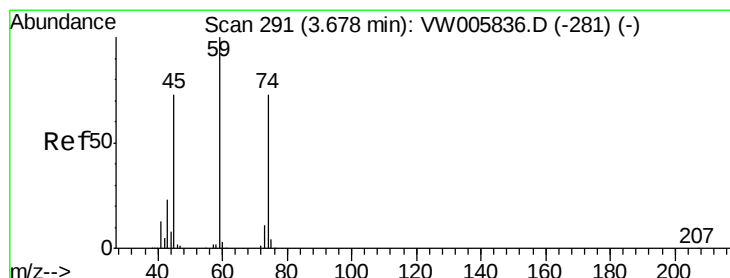
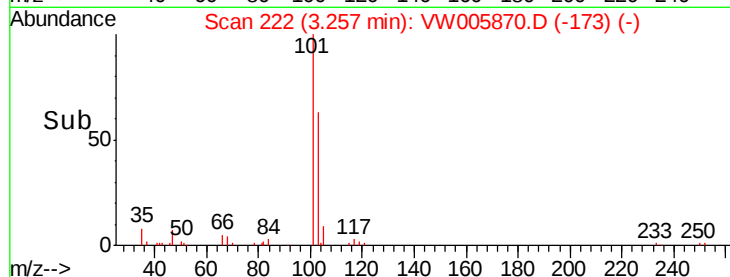
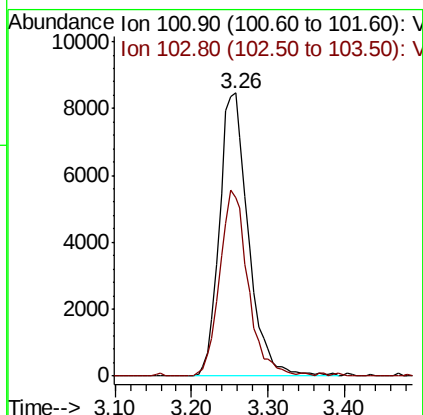
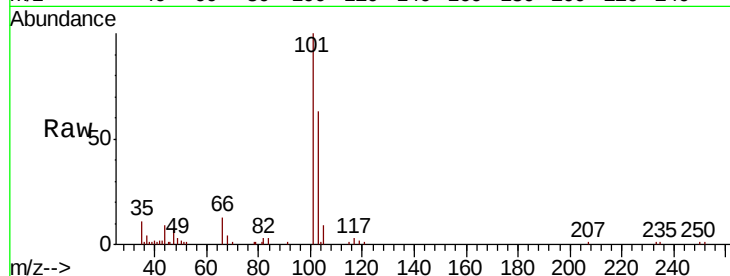


#7

Trichlorofluoromethane
 Concen: 17.303 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Instrument :
 MSVOA_W
 ClientSampleId :

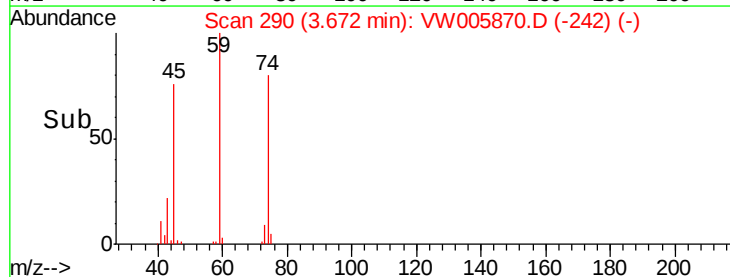
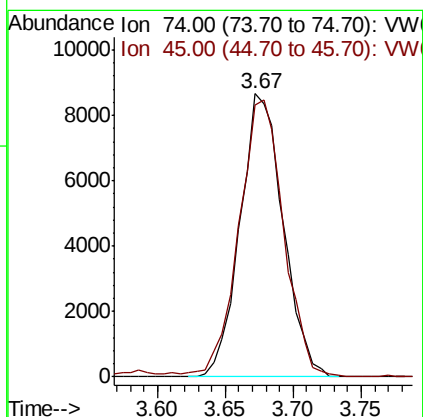
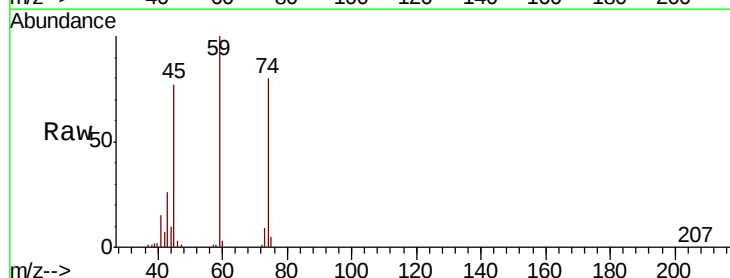
Tgt Ion:101 Resp: 22184
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.5 78.7

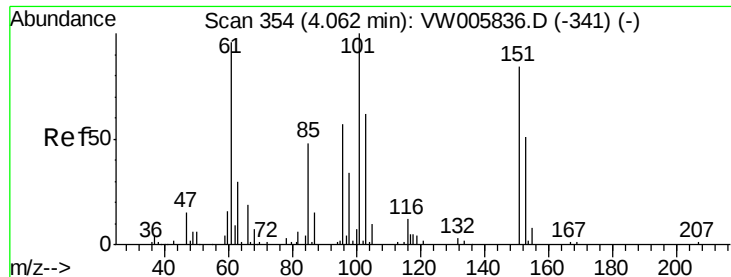


#8

Diethyl Ether
 Concen: 19.715 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion: 74 Resp: 19168
 Ion Ratio Lower Upper
 74 100
 45 101.8 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.478 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

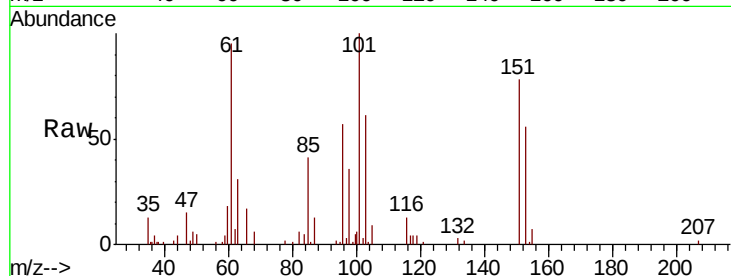
Tgt Ion:101 Resp: 36313

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

151 83.0 67.4 101.2

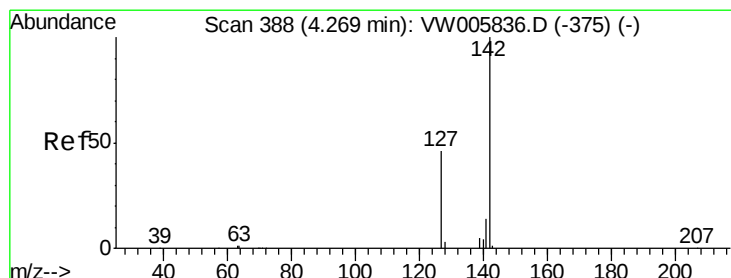
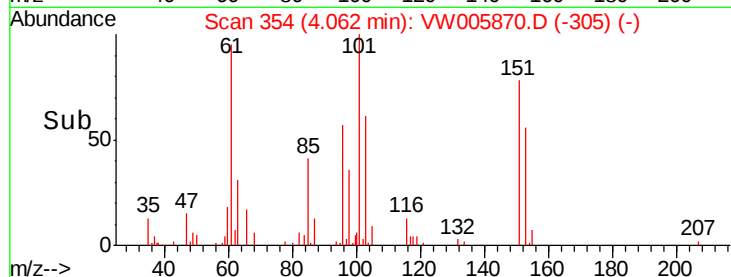
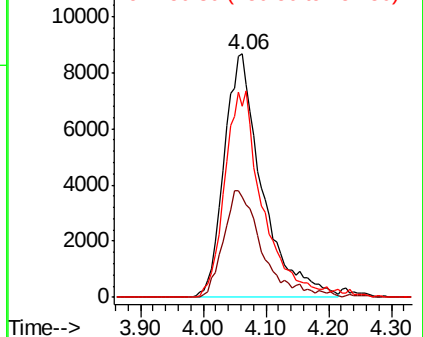


Abundance

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: 19.143 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

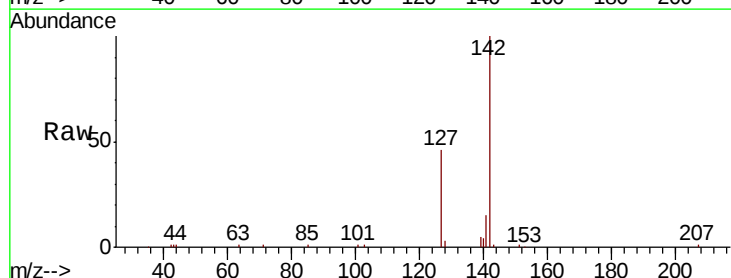
Tgt Ion:142 Resp: 55079

Ion Ratio Lower Upper

142 100

127 43.9 37.4 56.0

141 15.5 12.2 18.2

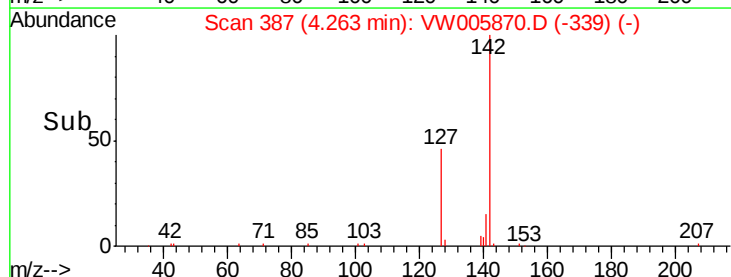
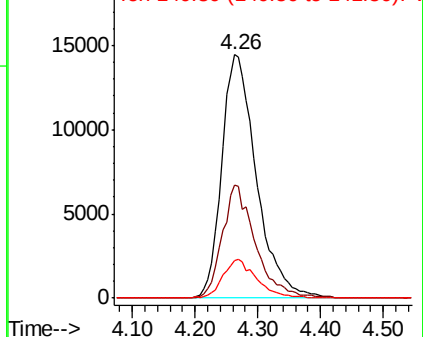


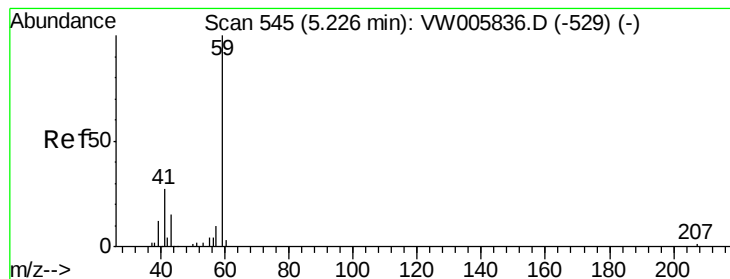
Abundance

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: 96.350 ug/l

RT: 5.21 min Scan# 542

Delta R.T. -0.02 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

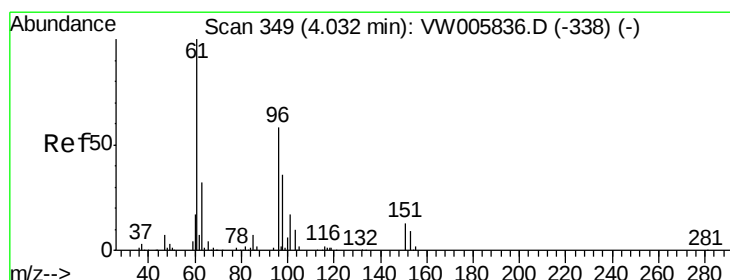
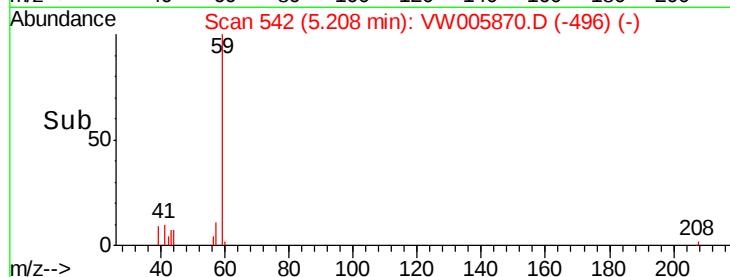
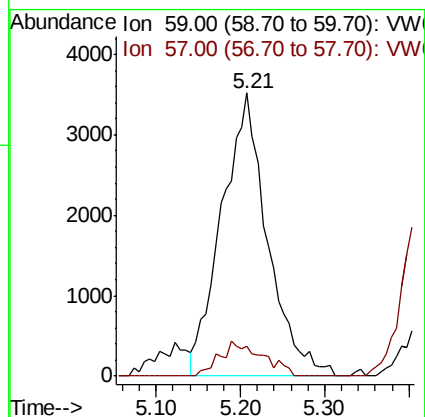
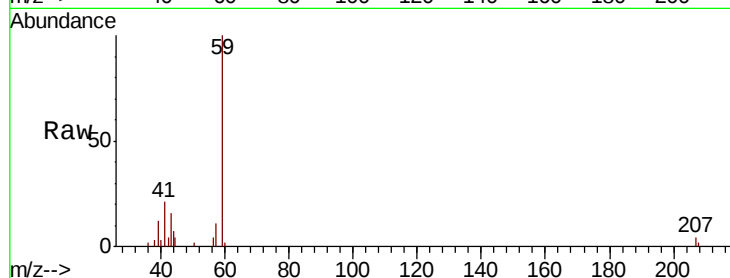
ClientSampleId :

Tgt Ion: 59 Resp: 13076

Ion Ratio Lower Upper

59 100

57 11.5 4.9 7.3#



#12

1,1-Dichloroethene

Concen: 19.739 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

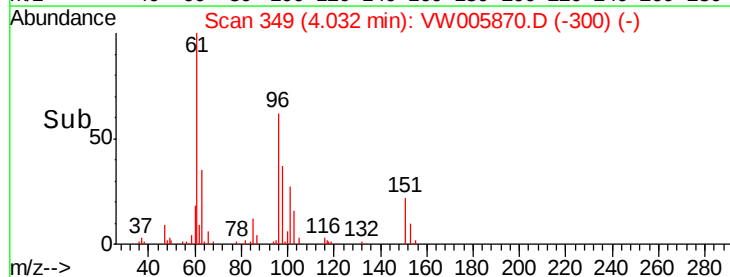
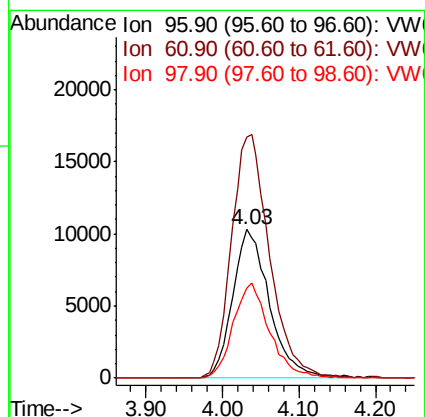
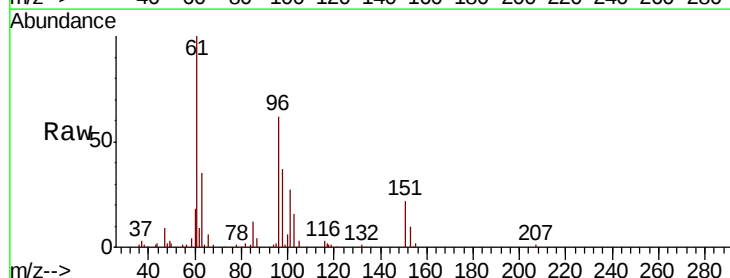
Tgt Ion: 96 Resp: 34297

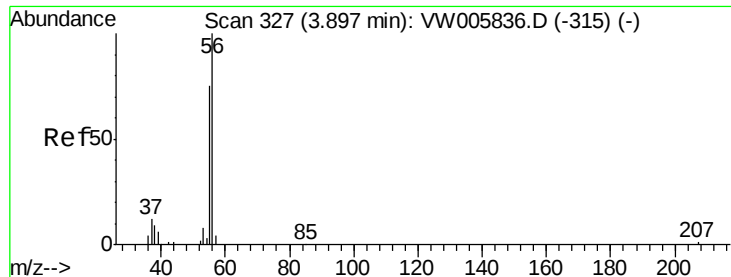
Ion Ratio Lower Upper

96 100

61 162.5 138.8 208.2

98 60.8 50.6 75.8





#13

Acrolein

Concen: 113.246 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

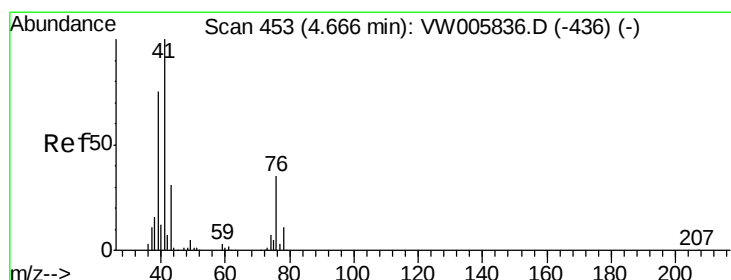
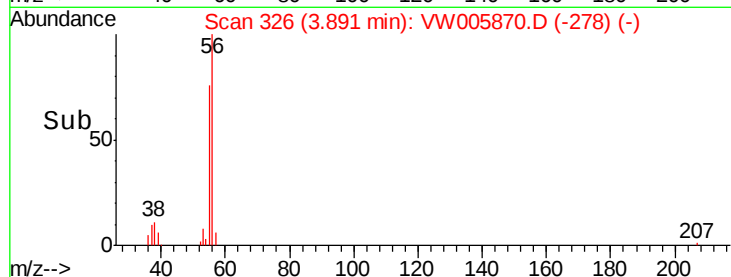
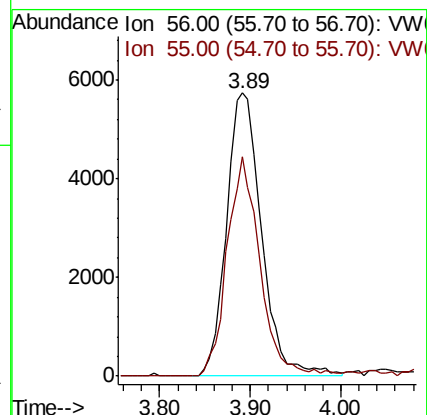
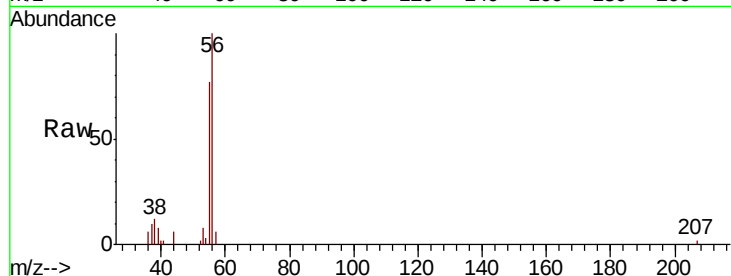
ClientSampleId :

Tgt Ion: 56 Resp: 15442

Ion Ratio Lower Upper

56 100

55 72.7 59.2 88.8



#14

Allyl chloride

Concen: 19.553 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

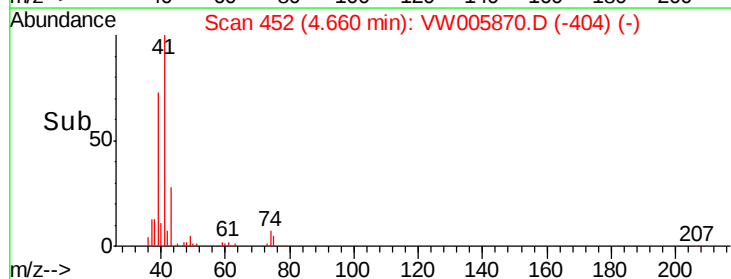
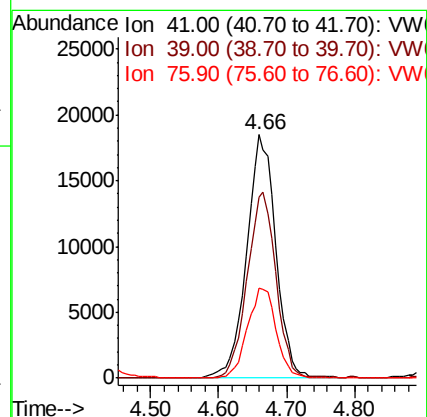
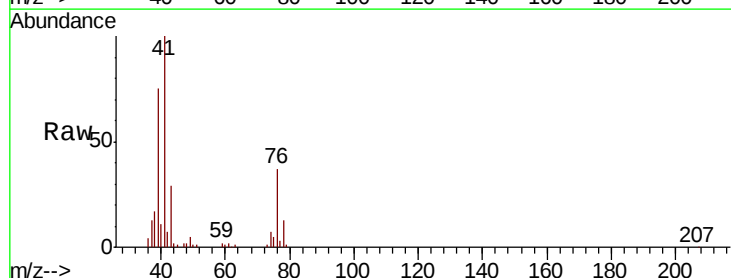
Tgt Ion: 41 Resp: 55137

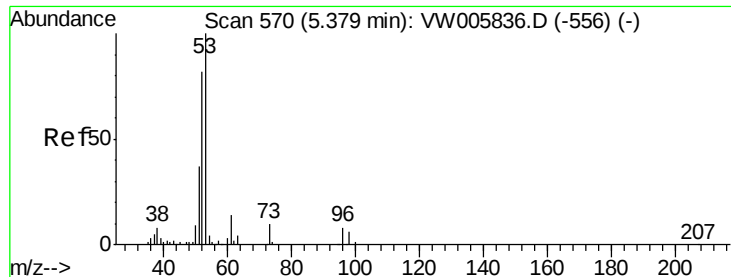
Ion Ratio Lower Upper

41 100

39 75.2 60.3 90.5

76 36.3 28.9 43.3





#15

Acrylonitrile

Concen: 105.533 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW005870.D

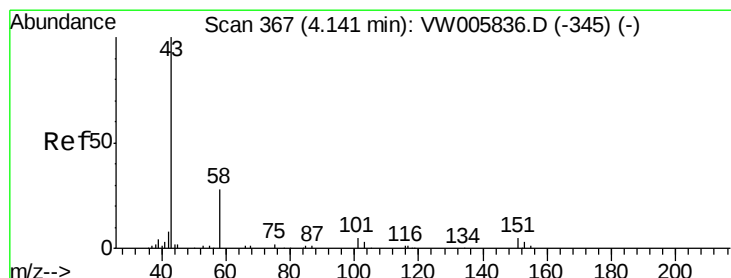
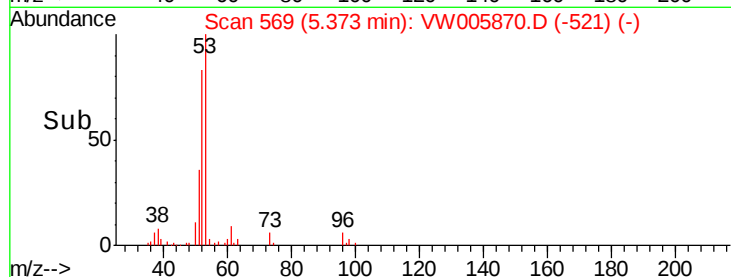
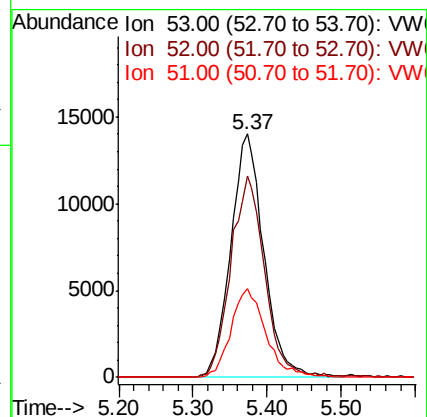
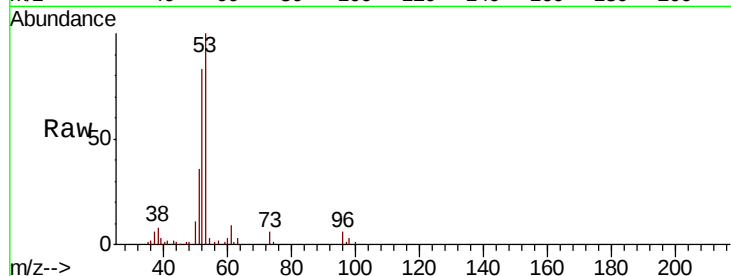
Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	53	Resp:	43480
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.3	100.9
51	38.5	30.2	45.2



#16

Acetone

Concen: 108.289 ug/l

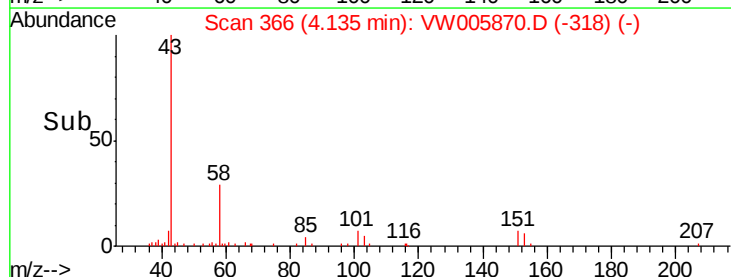
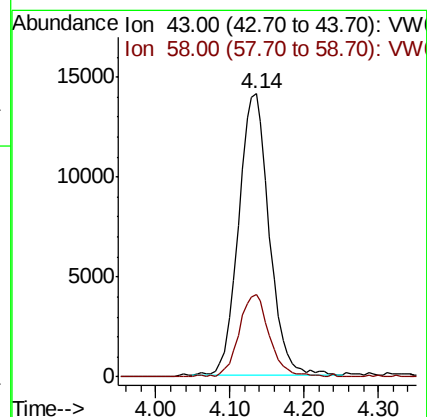
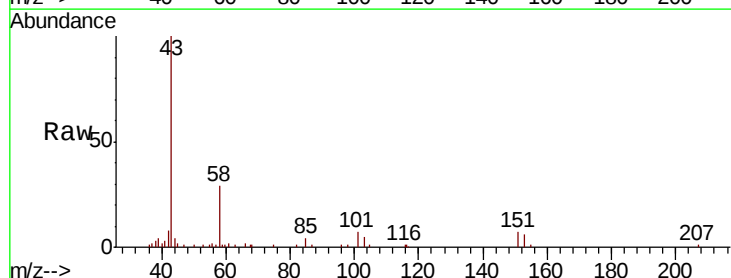
RT: 4.14 min Scan# 366

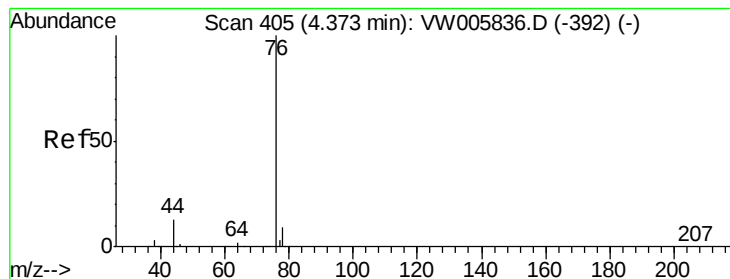
Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Tgt Ion:	43	Resp:	40561
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.0	34.4





#17

Carbon Disulfide

Concen: 18.201 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

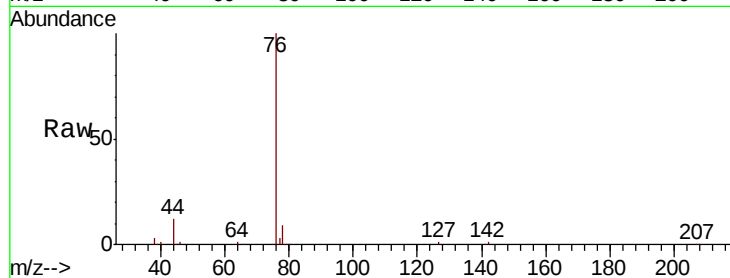
ClientSampleId :

Tgt Ion: 76 Resp: 99993

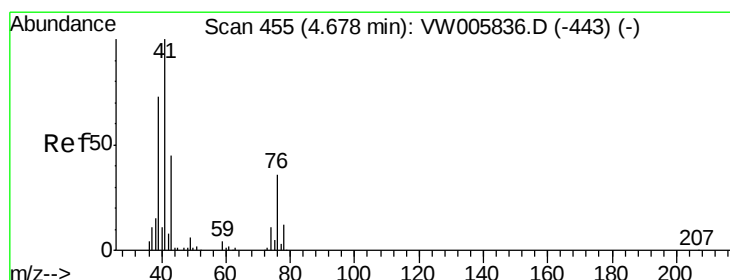
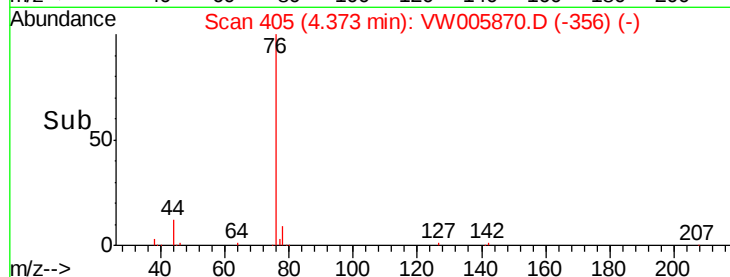
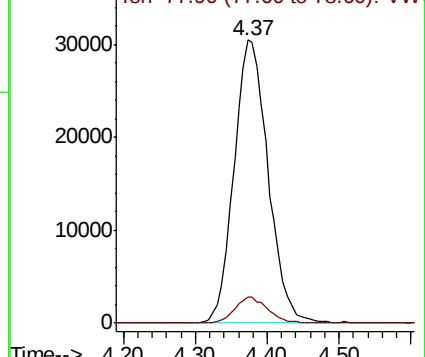
Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.815 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005870.D

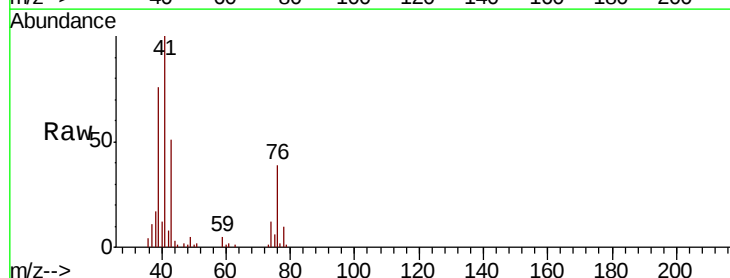
Acq: 05 Oct 2018 00:56

Tgt Ion: 43 Resp: 21108

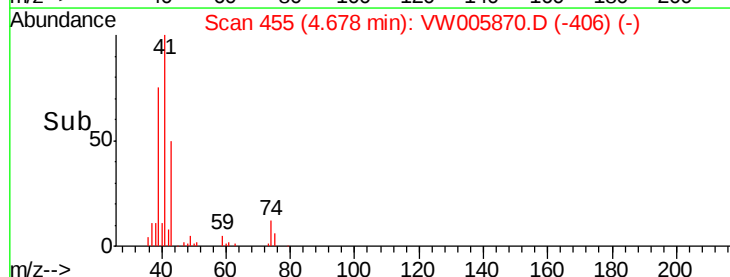
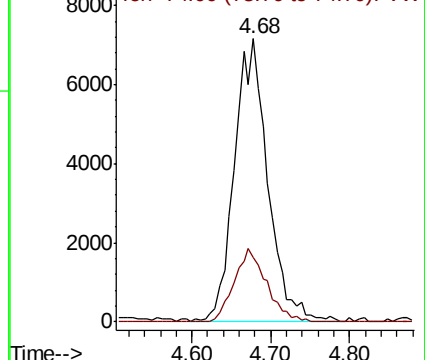
Ion Ratio Lower Upper

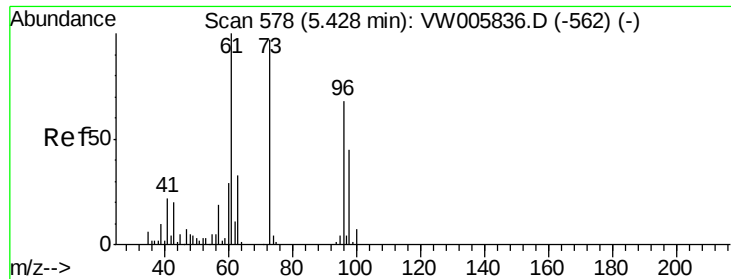
43 100

74 25.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

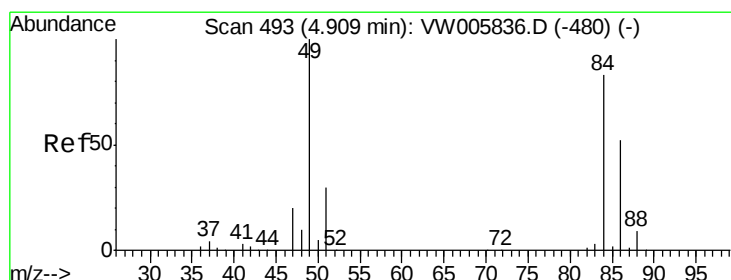
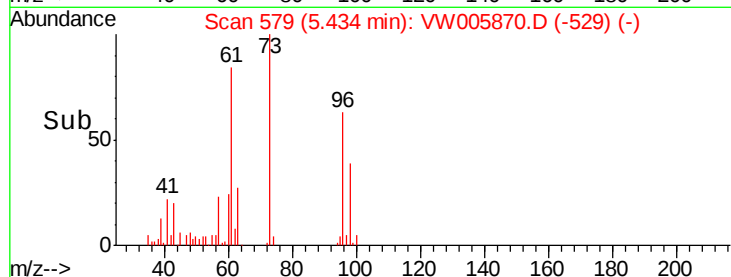
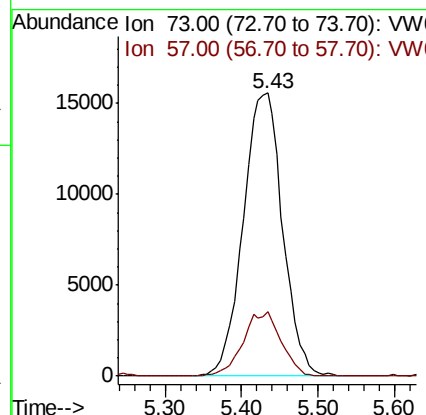
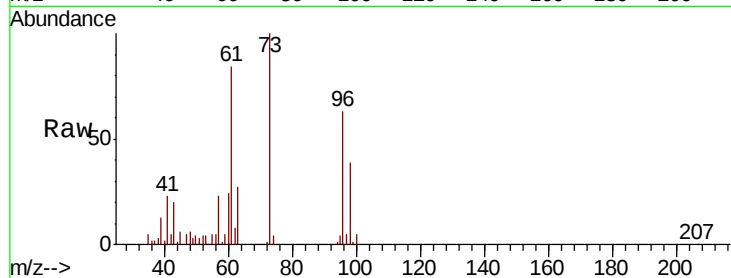




#19
Methyl tert-butyl Ether
Concen: 20.435 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

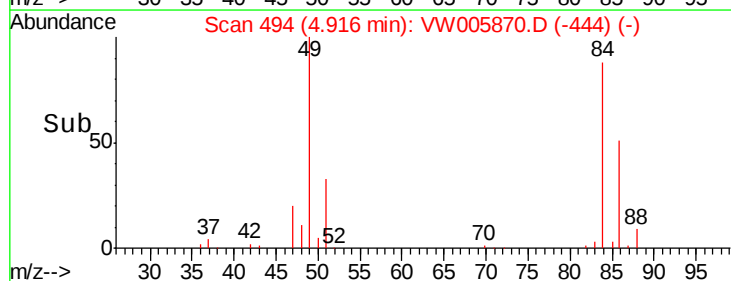
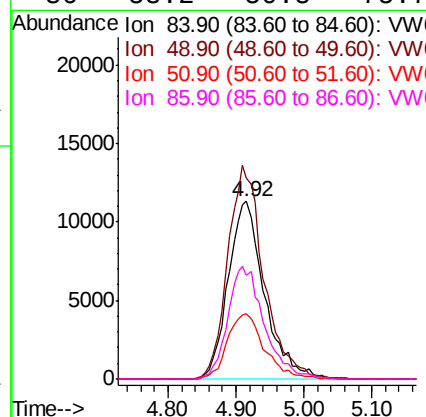
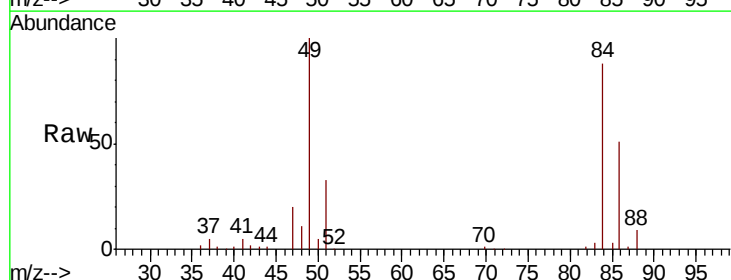
Instrument :
MSVOA_W
ClientSampleId :

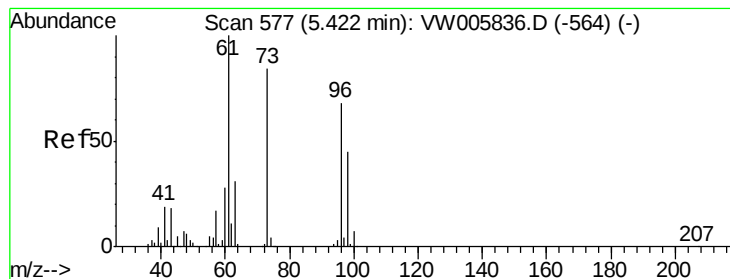
Tgt Ion: 73 Resp: 55740
Ion Ratio Lower Upper
73 100
57 22.8 15.9 23.9



#20
Methylene Chloride
Concen: 14.905 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 84 Resp: 41581
Ion Ratio Lower Upper
84 100
49 113.1 96.8 145.2
51 37.0 28.8 43.2
86 58.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.869 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampled :

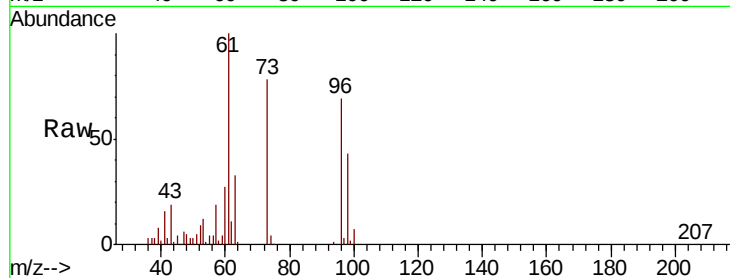
Tgt Ion: 96 Resp: 37681

Ion Ratio Lower Upper

96 100

61 145.3 117.0 175.6

98 62.3 52.2 78.2

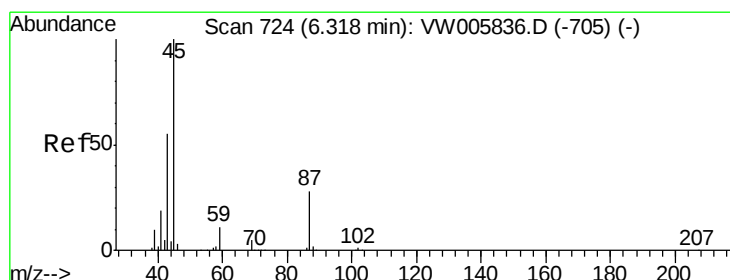
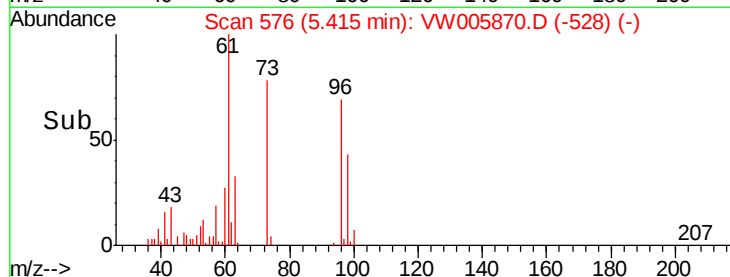
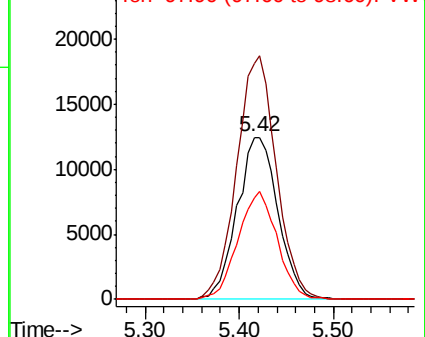


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 18.703 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Tgt Ion: 45 Resp: 103504

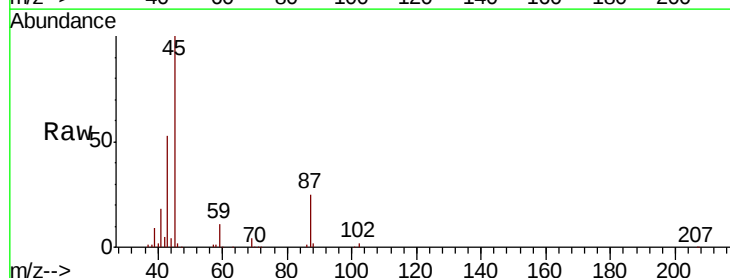
Ion Ratio Lower Upper

45 100

43 52.1 44.6 67.0

87 25.2 23.4 35.2

59 10.6 9.0 13.6



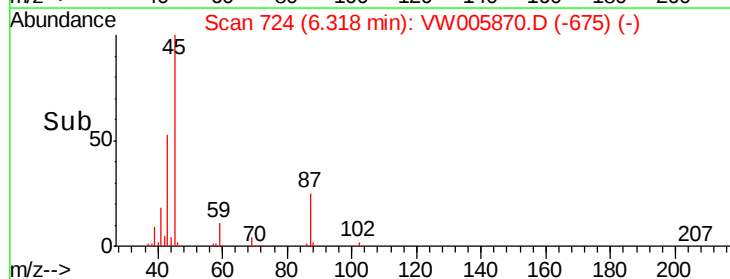
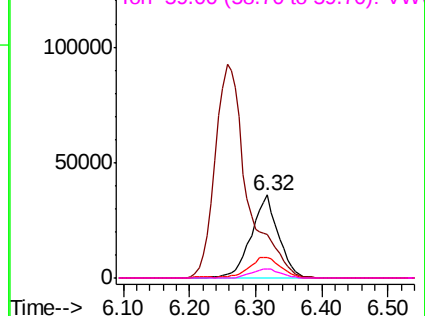
Abundance

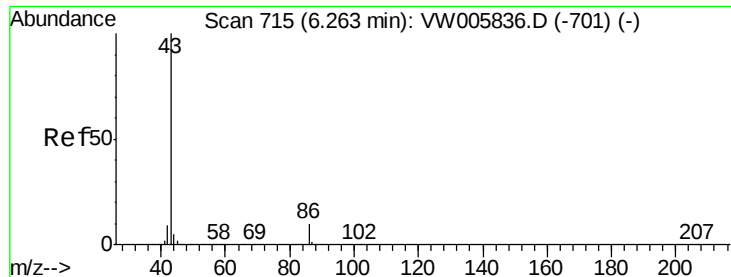
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.945 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

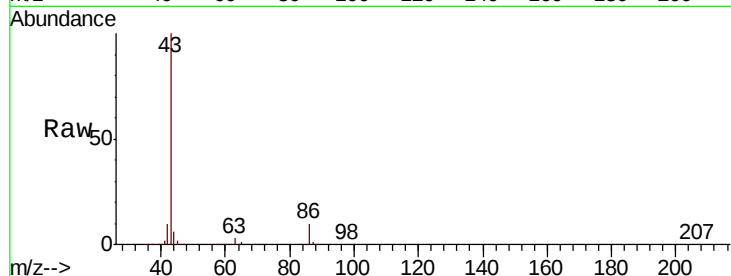
ClientSampled :

Tgt Ion: 43 Resp: 311049

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

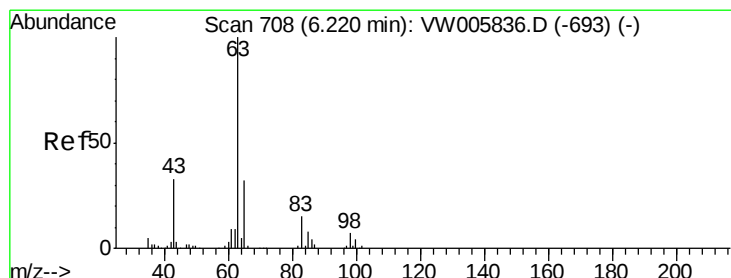
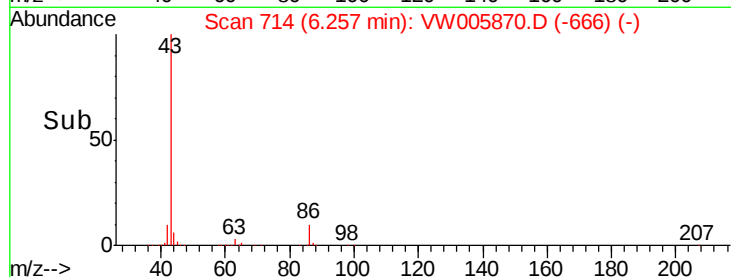
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.752 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

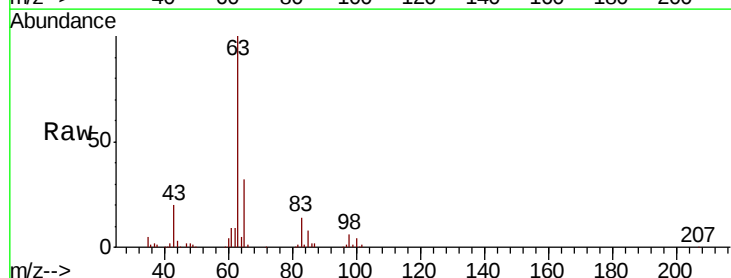
Tgt Ion: 63 Resp: 67337

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

30000

25000

20000

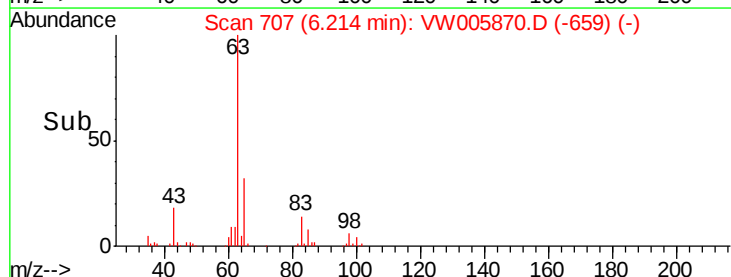
15000

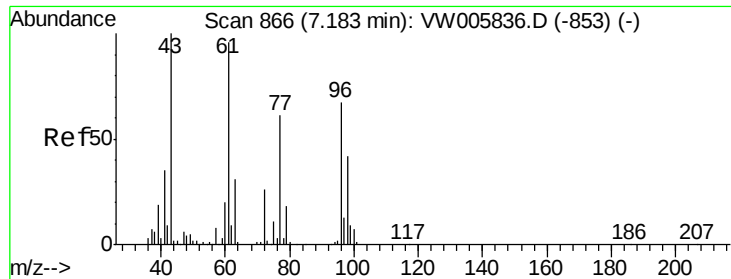
10000

5000

0

Time-->





#25

2-Butanone

Concen: 105.004 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

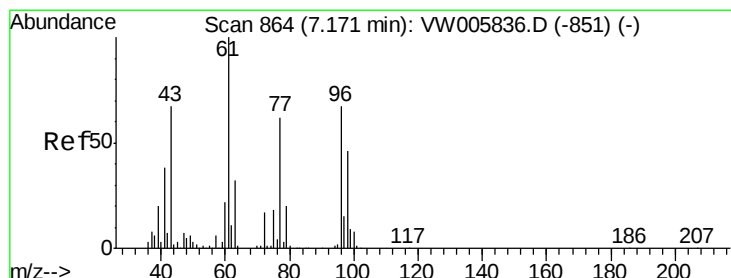
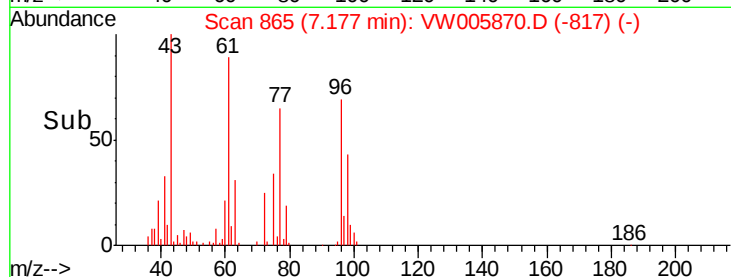
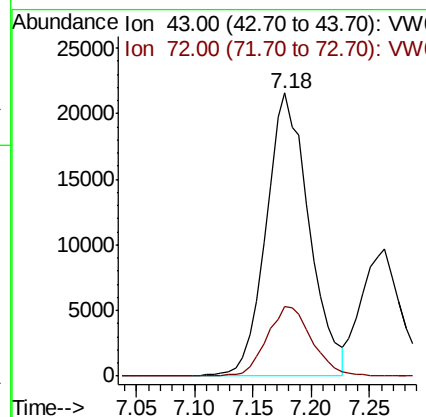
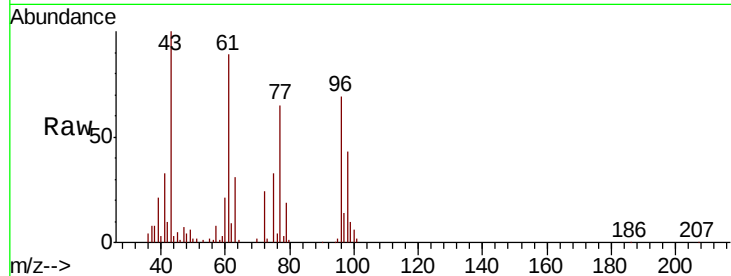
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 43 Resp: 55326

Ion Ratio Lower Upper

43 100

72 24.5 20.9 31.3



#26

2,2-Dichloropropane

Concen: 19.235 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005870.D

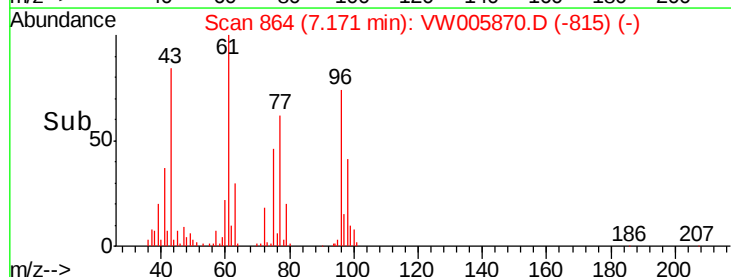
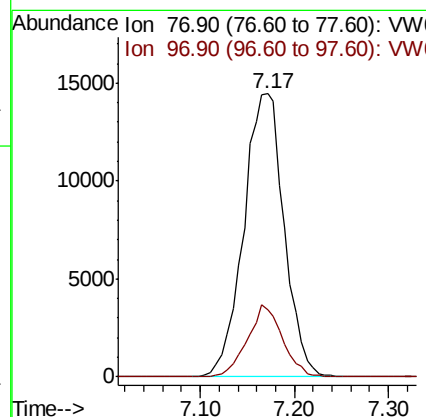
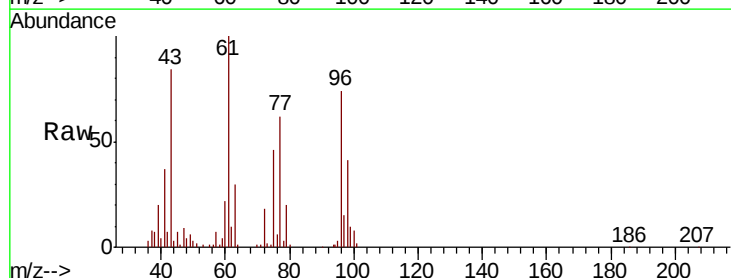
Acq: 05 Oct 2018 00:56

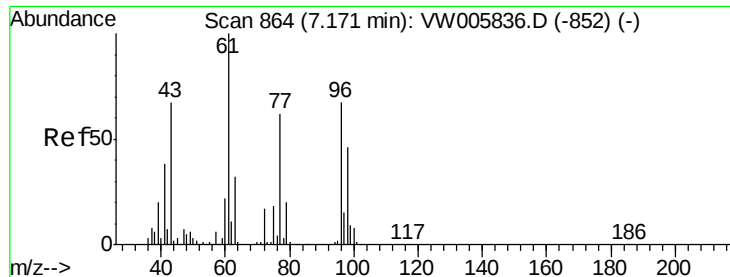
Tgt Ion: 77 Resp: 43128

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0



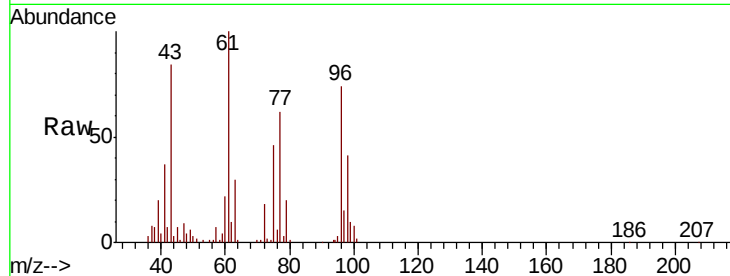


#27

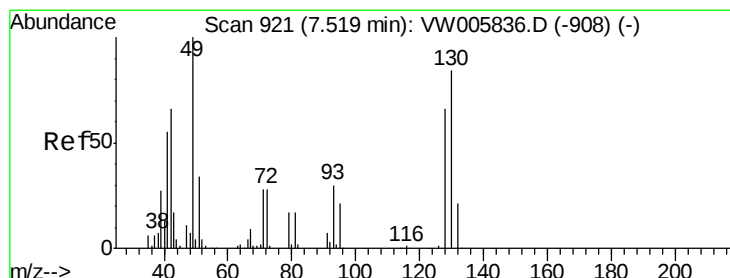
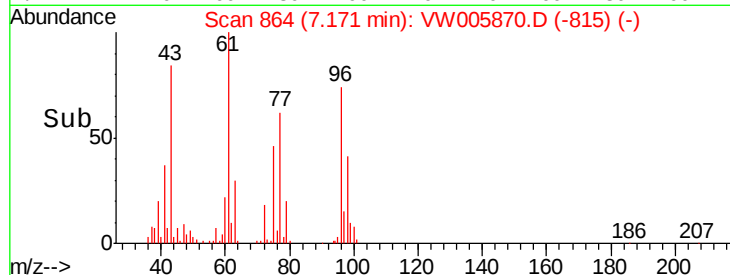
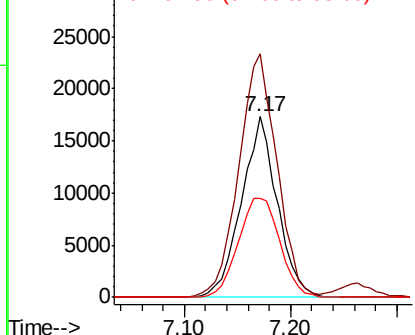
cis-1,2-Dichloroethene
Concen: 19.314 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 96 Resp: 40829
Ion Ratio Lower Upper
96 100
61 144.0 0.0 296.4
98 63.7 0.0 131.4



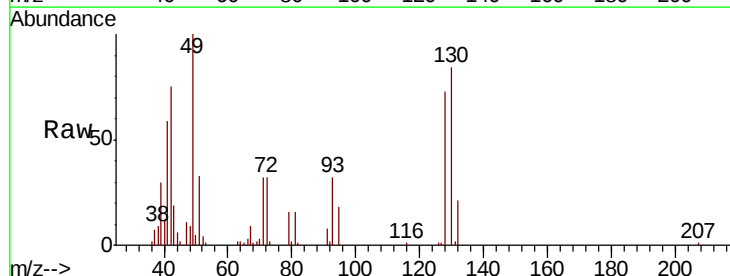
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



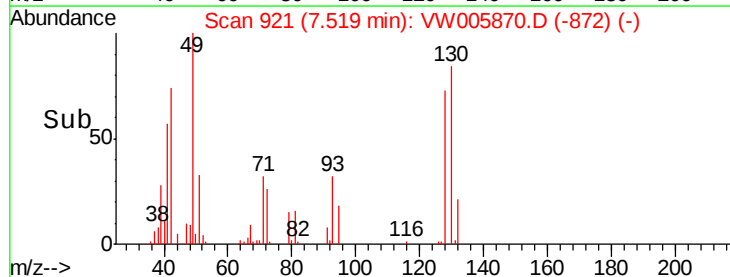
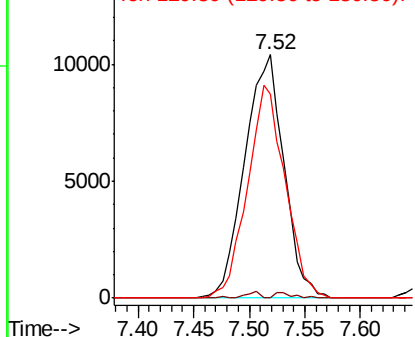
#28

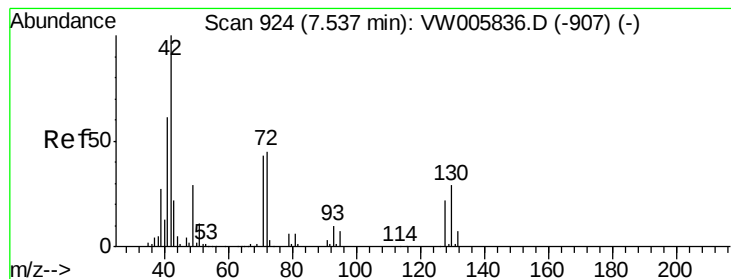
Bromochloromethane
Concen: 20.166 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 49 Resp: 25577
Ion Ratio Lower Upper
49 100
129 1.0 0.0 2.2
130 83.7 66.4 99.6



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





#29

Tetrahydrofuran

Concen: 103.478 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampled :

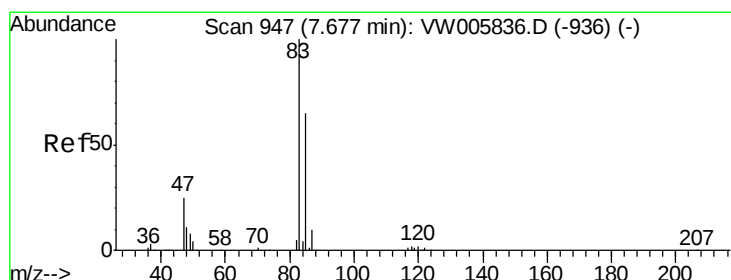
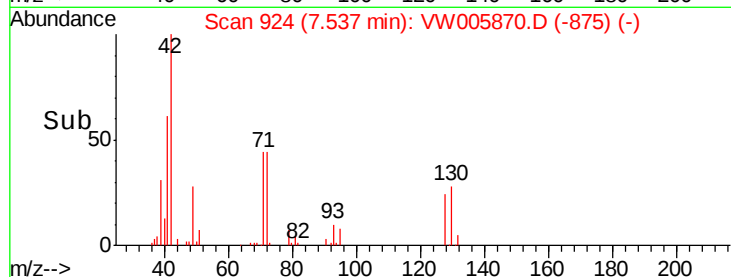
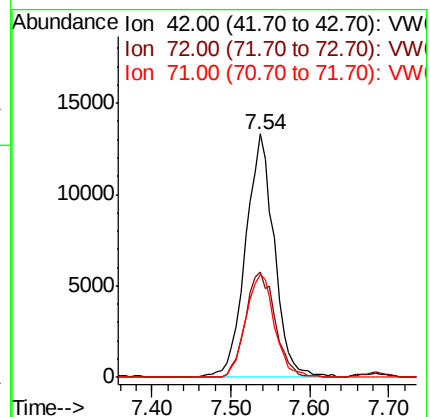
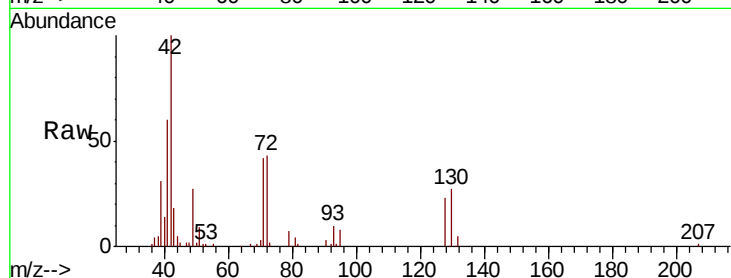
Tgt Ion: 42 Resp: 33658

Ion Ratio Lower Upper

42 100

72 44.8 34.6 51.8

71 42.6 33.6 50.4



#30

Chloroform

Concen: 19.173 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005870.D

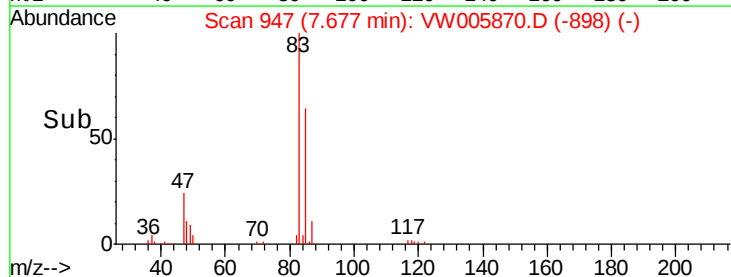
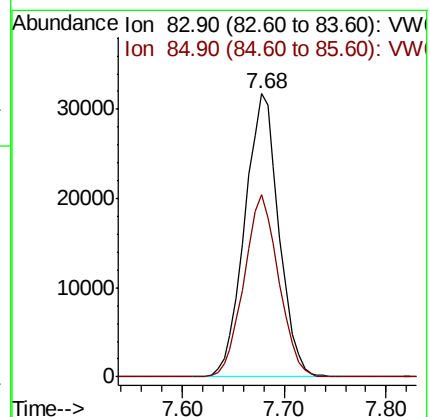
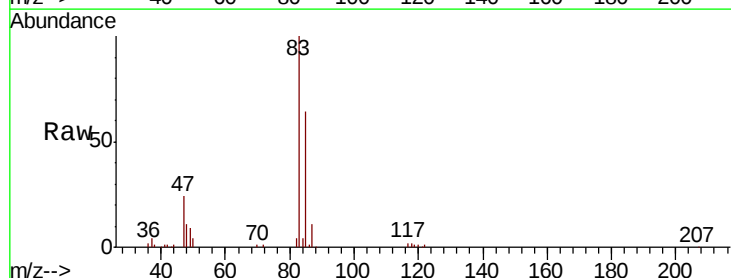
Acq: 05 Oct 2018 00:56

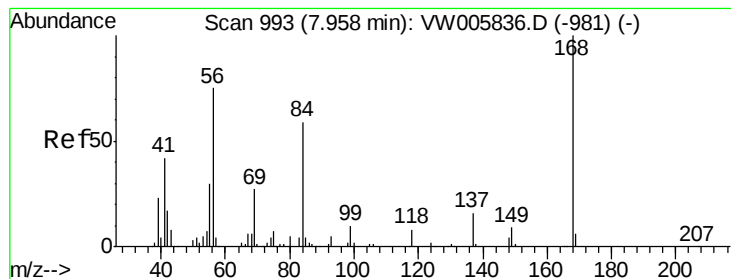
Tgt Ion: 83 Resp: 73783

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4





#31

Cyclohexane

Concen: 18.235 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

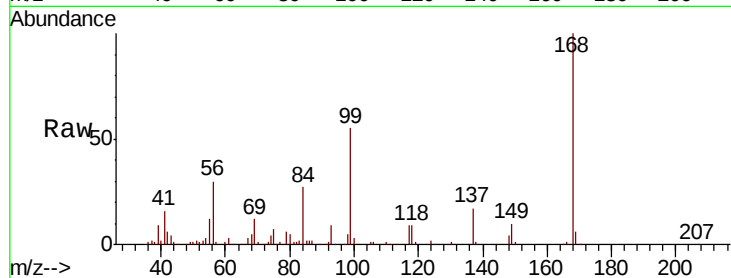
Tgt Ion: 56 Resp: 55979

Ion Ratio Lower Upper

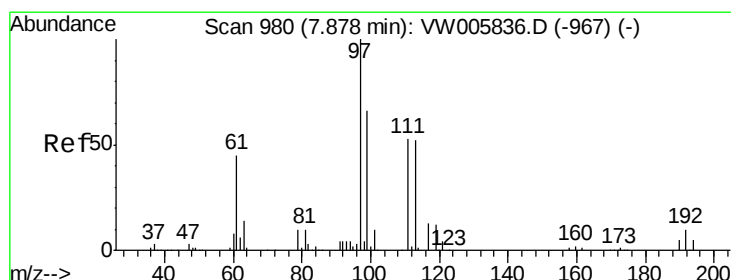
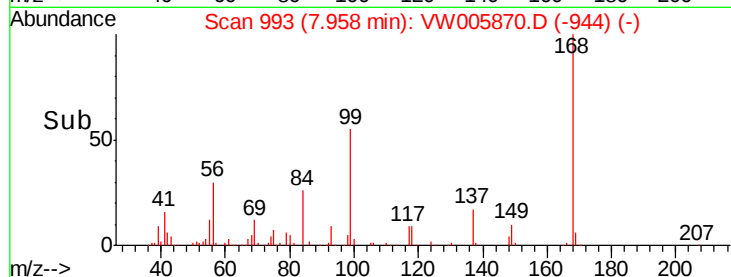
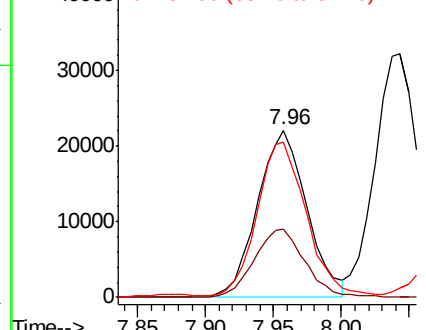
56 100

69 40.6 29.0 43.4

84 91.5 63.5 95.3



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: 18.826 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

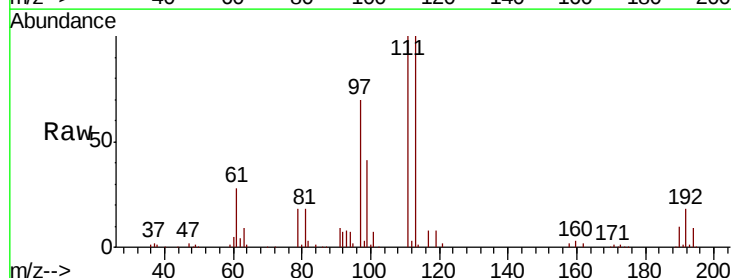
Tgt Ion: 97 Resp: 61833

Ion Ratio Lower Upper

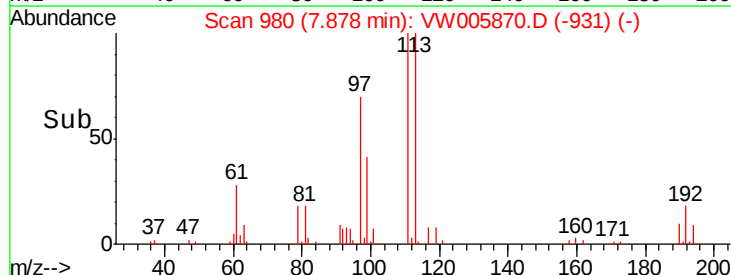
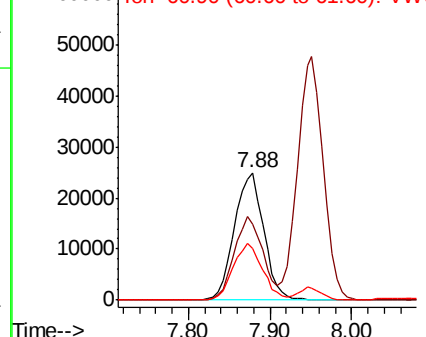
97 100

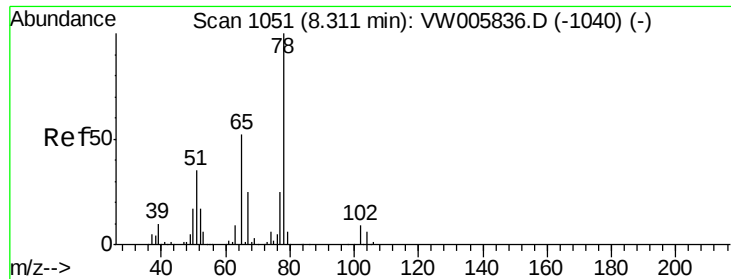
99 63.6 51.2 76.8

61 44.7 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.254 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

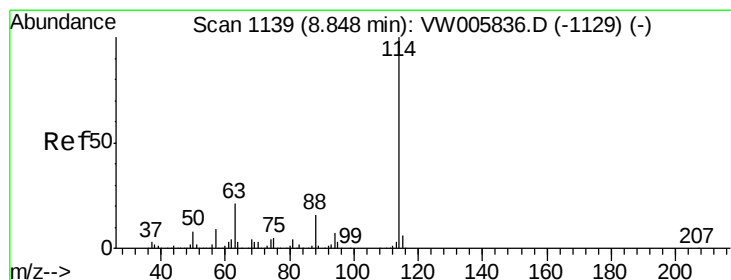
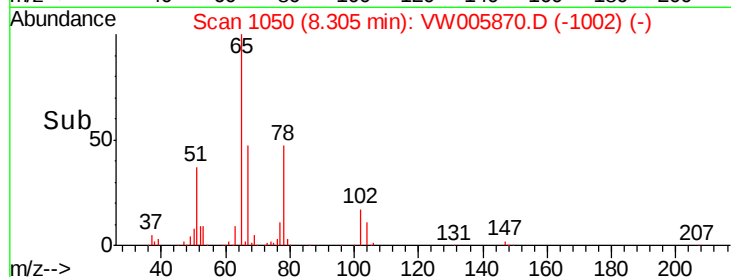
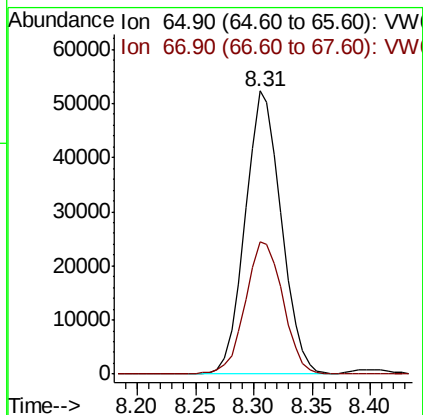
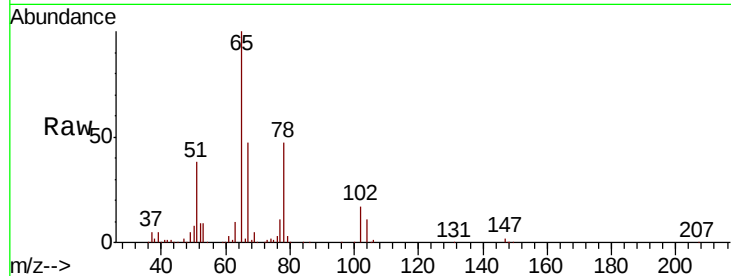
ClientSampleId :

Tgt Ion: 65 Resp: 112791

Ion Ratio Lower Upper

65 100

67 48.9 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

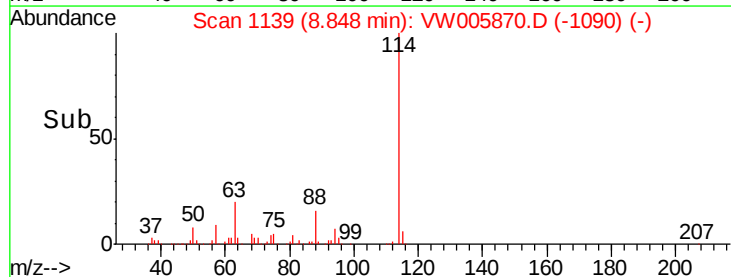
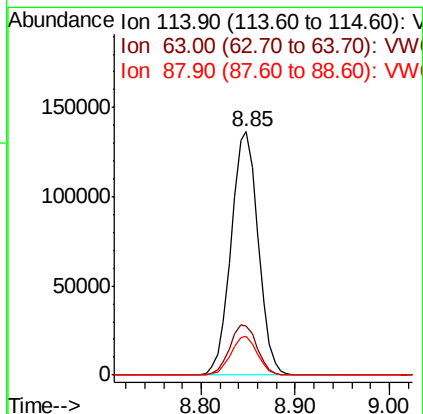
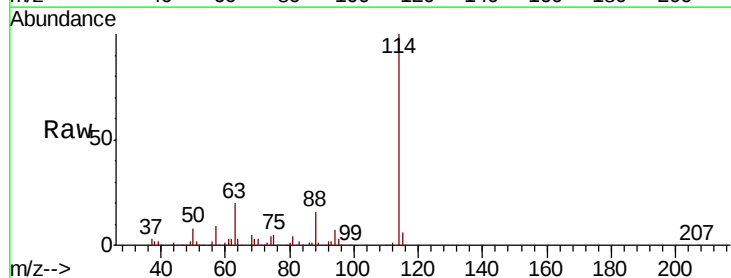
Tgt Ion: 114 Resp: 271130

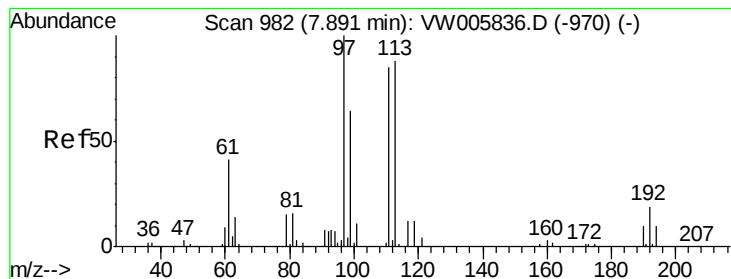
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.503 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampled :

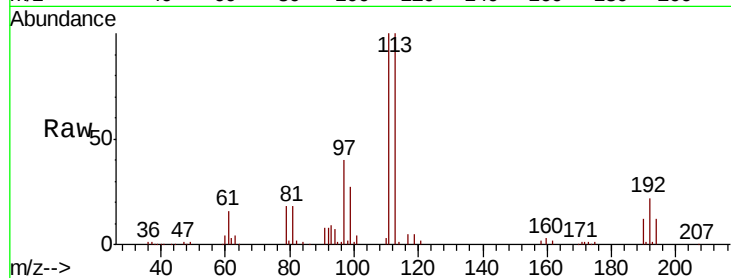
Tgt Ion: 113 Resp: 89749

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

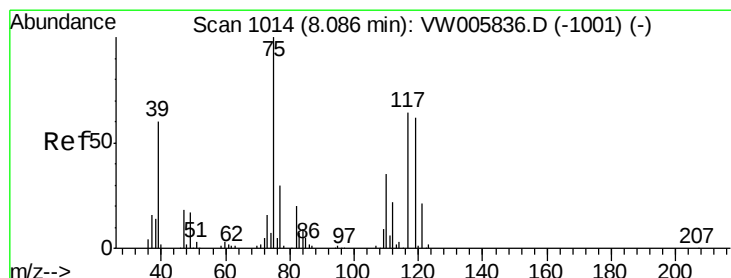
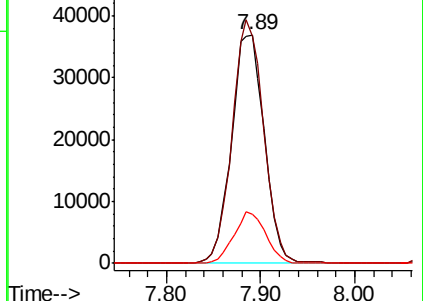
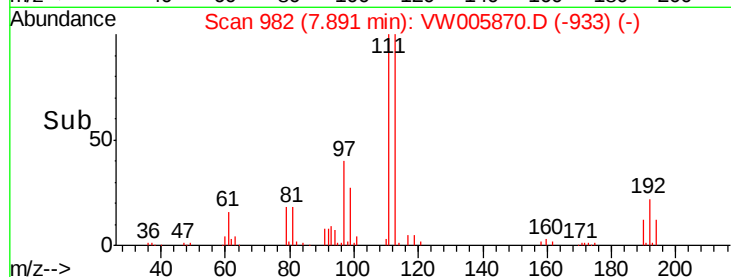
192 21.8 17.3 25.9



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: 19.327 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

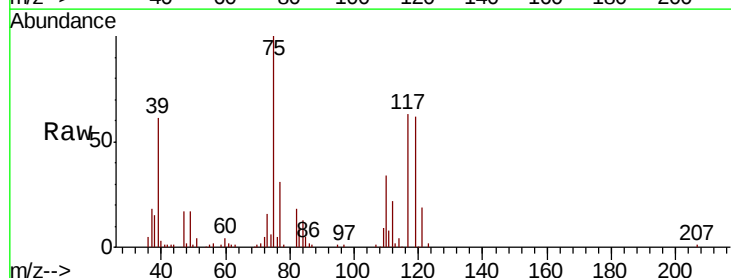
Tgt Ion: 75 Resp: 52087

Ion Ratio Lower Upper

75 100

110 34.4 17.5 52.6

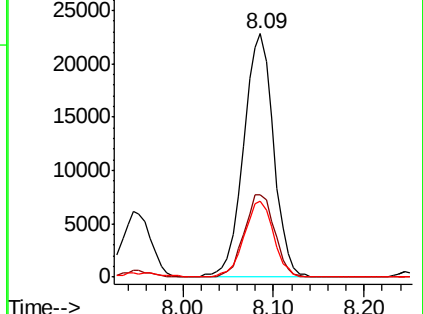
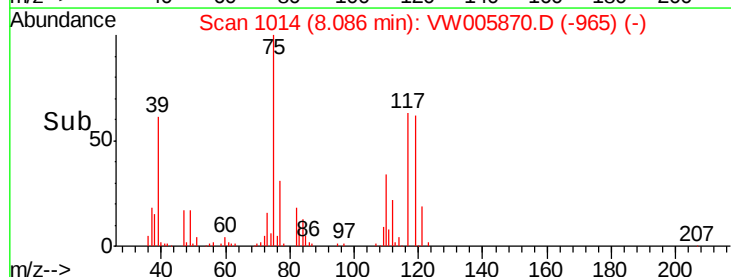
77 30.8 24.8 37.2

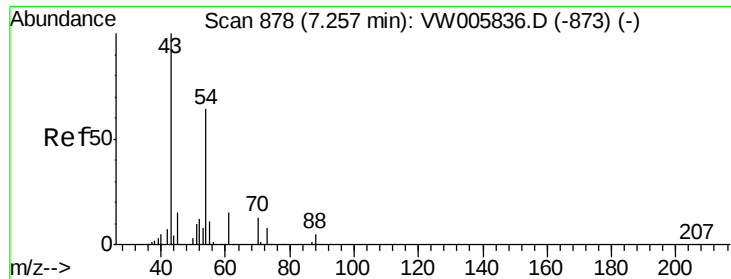


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

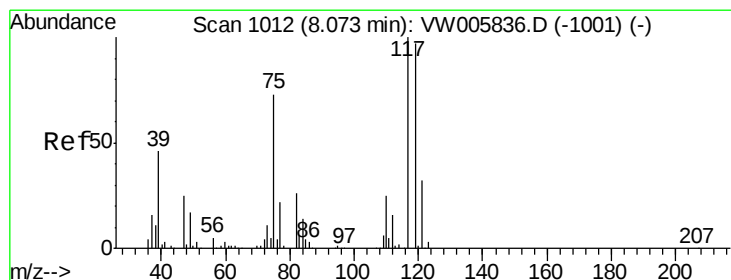
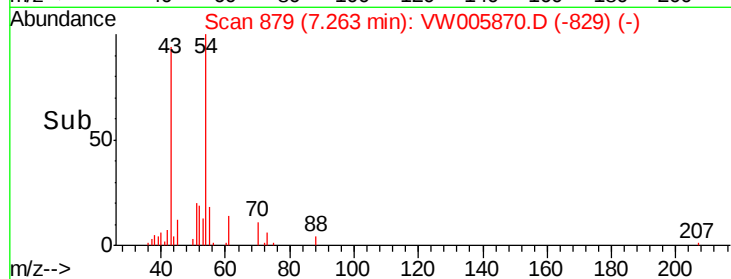
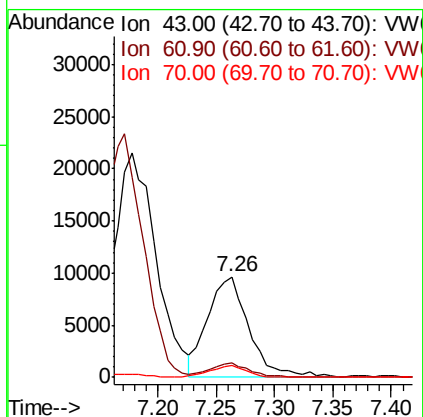
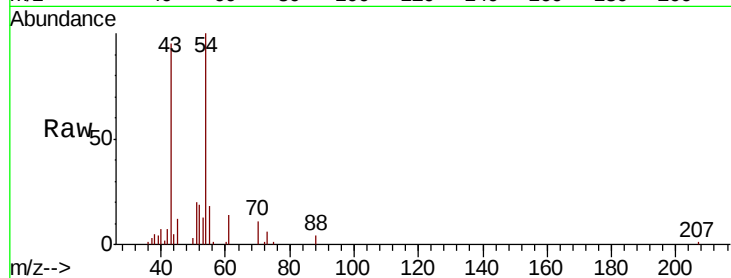




#37
Ethyl Acetate
Concen: 20.814 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

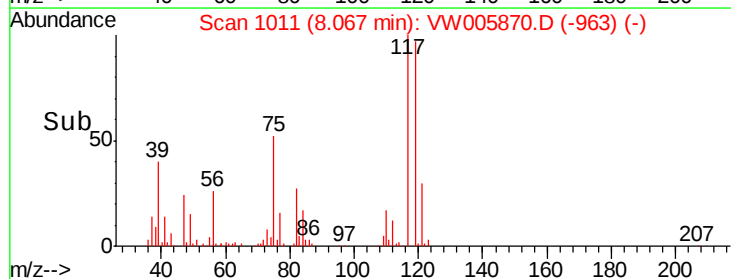
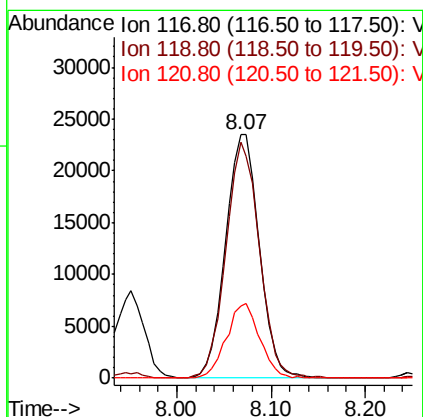
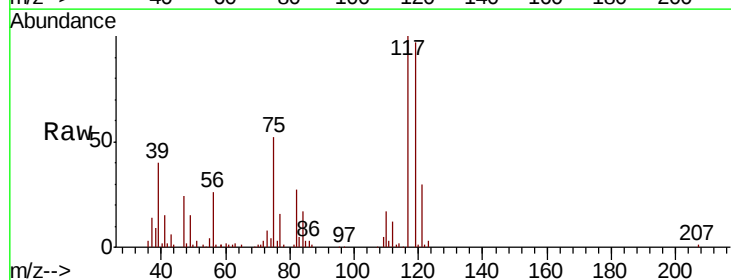
Instrument :
MSVOA_W
ClientSampleId :

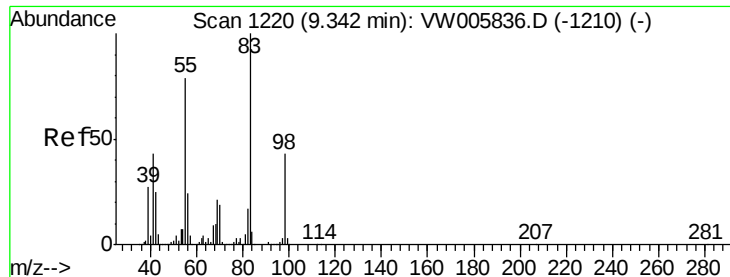
Tgt Ion: 43 Resp: 23346
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.444 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 117 Resp: 58389
Ion Ratio Lower Upper
117 100
119 97.0 77.9 116.9
121 29.6 25.2 37.8





#39

Methylcyclohexane

Concen: 19.402 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

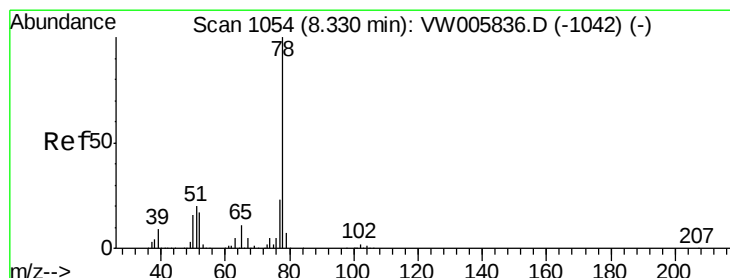
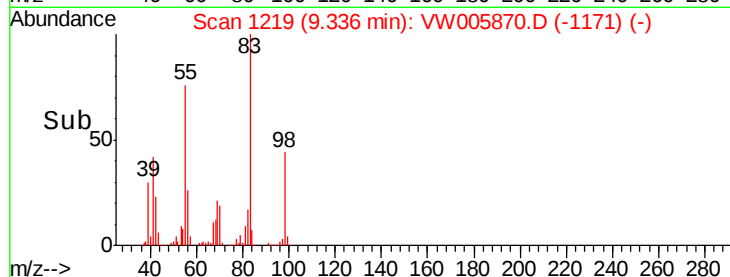
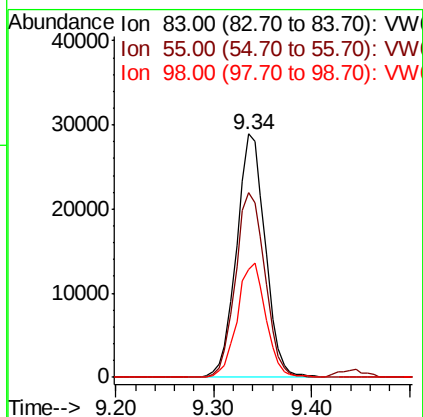
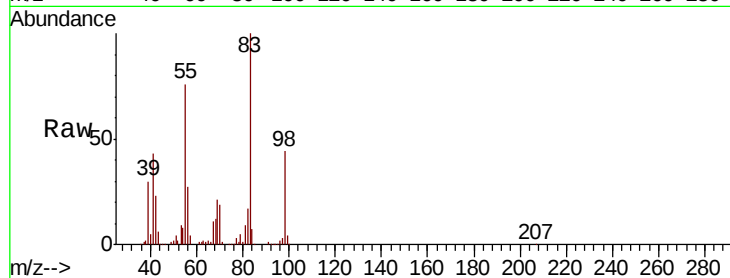
Tgt Ion: 83 Resp: 58866

Ion Ratio Lower Upper

83 100

55 75.8 63.0 94.4

98 44.4 34.5 51.7



#40

Benzene

Concen: 19.189 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW005870.D

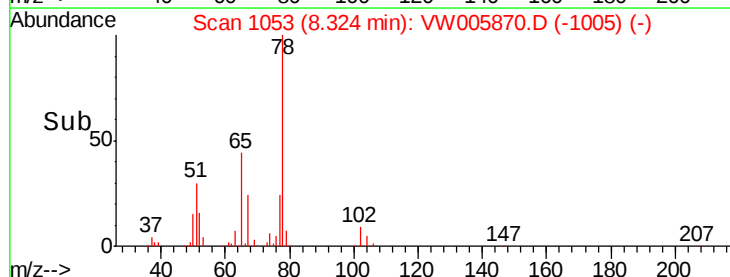
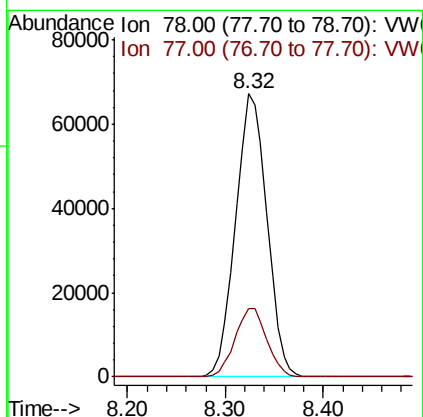
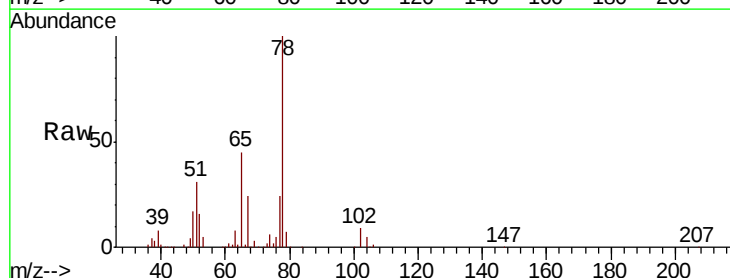
Acq: 05 Oct 2018 00:56

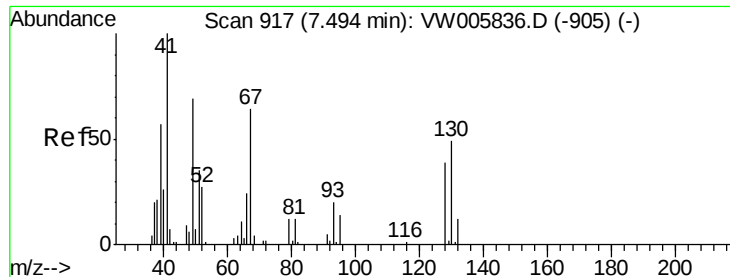
Tgt Ion: 78 Resp: 149884

Ion Ratio Lower Upper

78 100

77 24.1 18.6 28.0

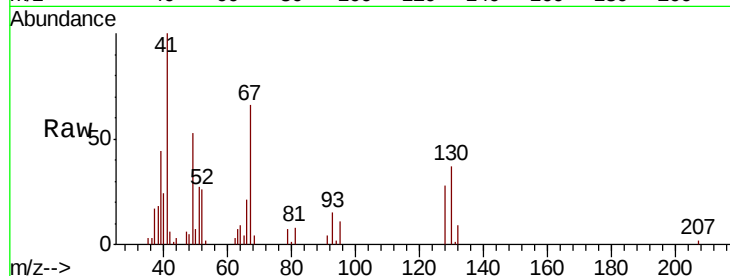




#41
Methacrylonitrile
Concen: 21.099 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	41	Resp:	14142
Ion	Ratio	Lower	Upper
41	100		
39	60.6	45.6	68.4
67	73.3	53.6	80.4
52	32.3	23.9	35.9



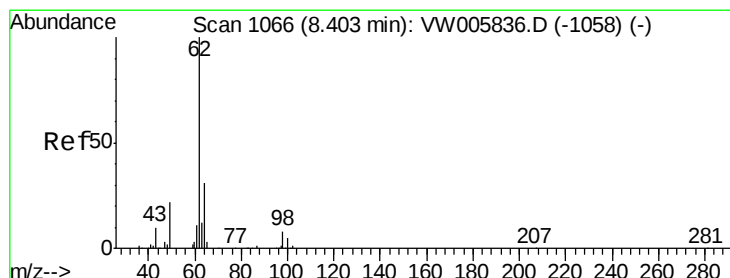
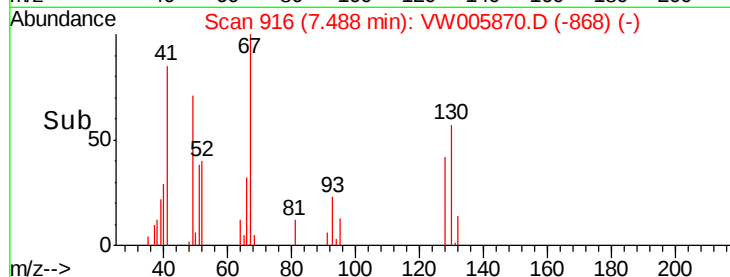
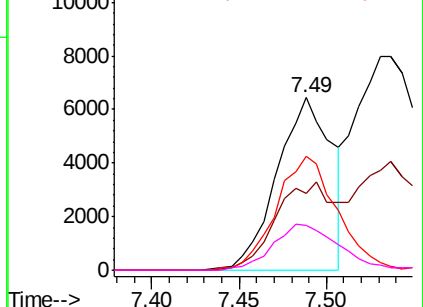
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

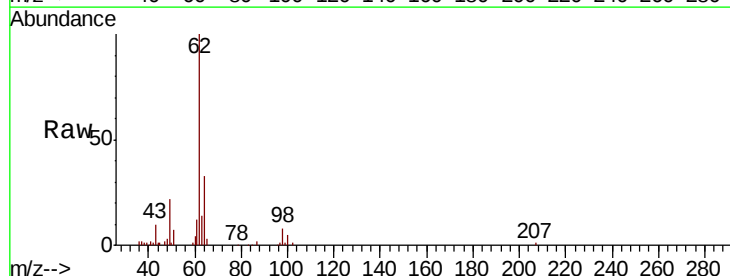
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

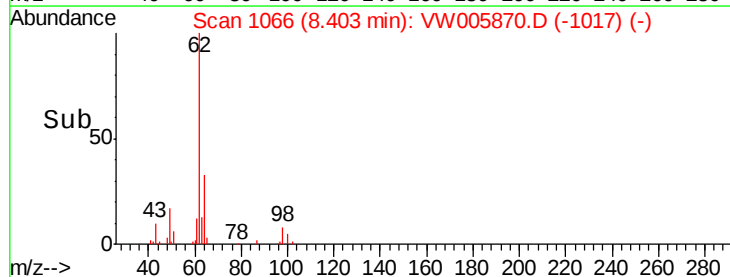
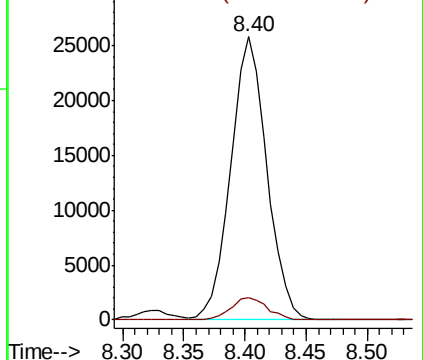
Tgt Ion:	62	Resp:	52756
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2

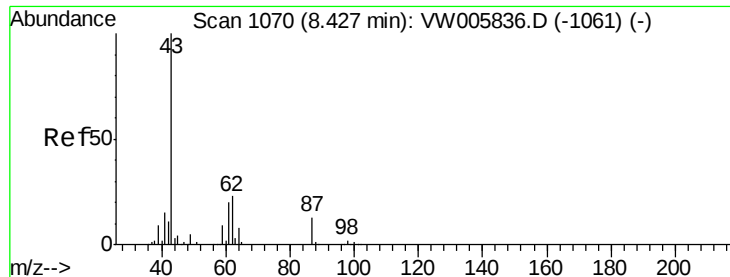


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.574 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

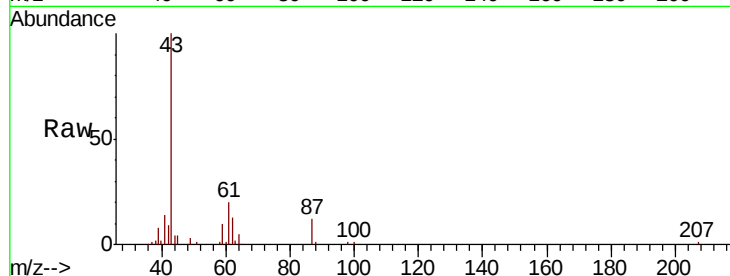
Tgt Ion: 43 Resp: 45614

Ion Ratio Lower Upper

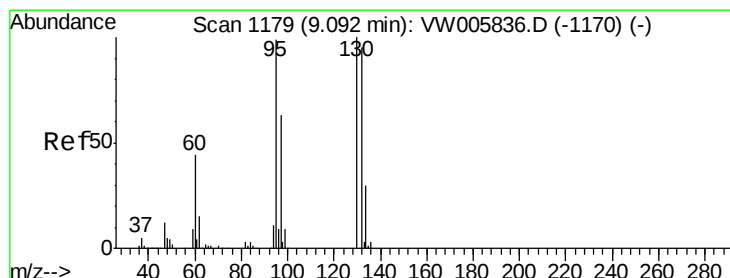
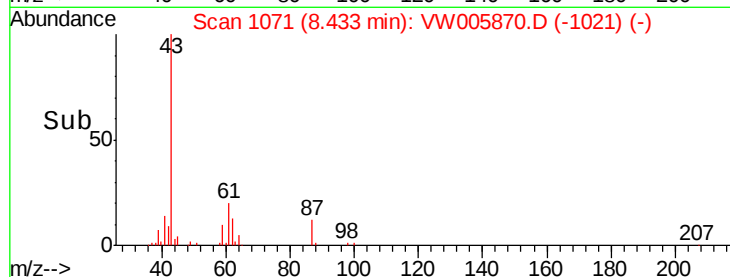
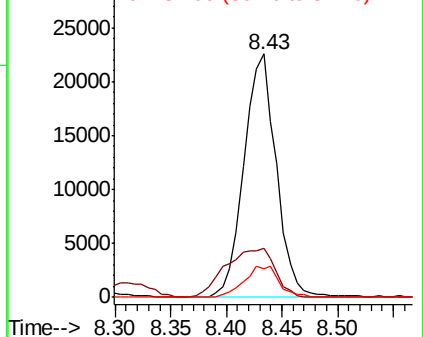
43 100

61 30.7 24.1 36.1

87 13.8 10.6 16.0



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: 19.061 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005870.D

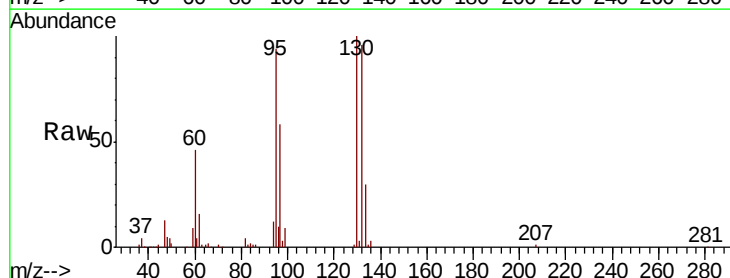
Acq: 05 Oct 2018 00:56

Tgt Ion: 130 Resp: 39348

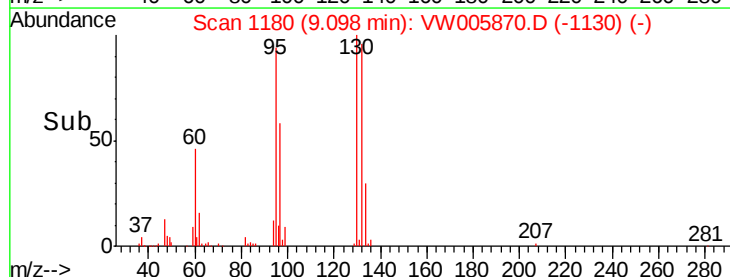
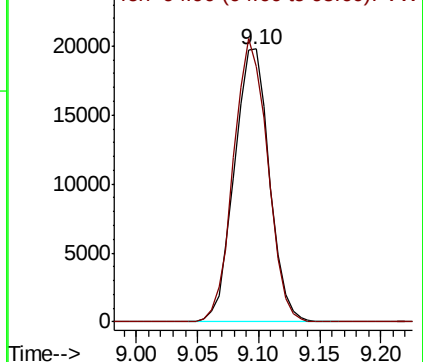
Ion Ratio Lower Upper

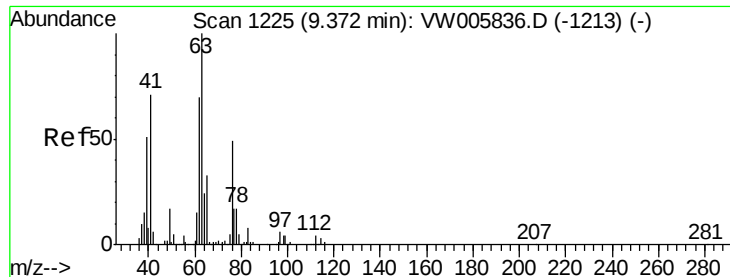
130 100

95 93.6 0.0 197.6



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

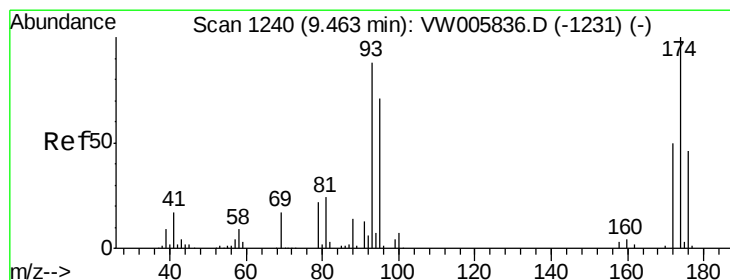
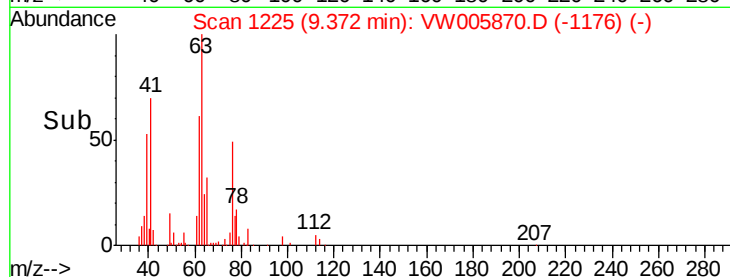
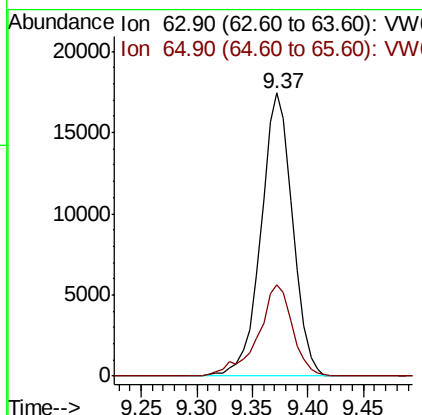
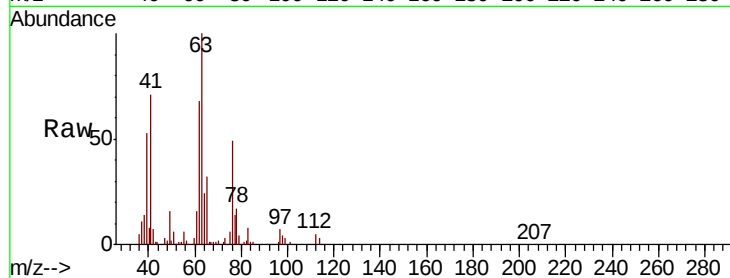




#45
 1,2-Dichloropropane
 Concen: 18.656 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

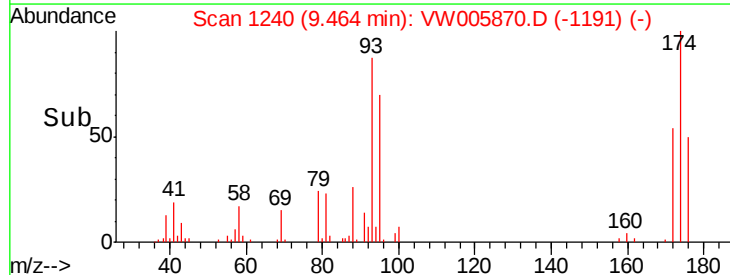
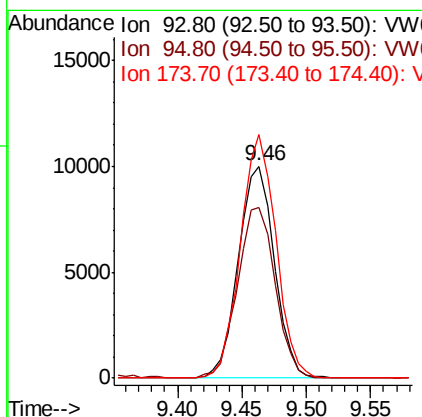
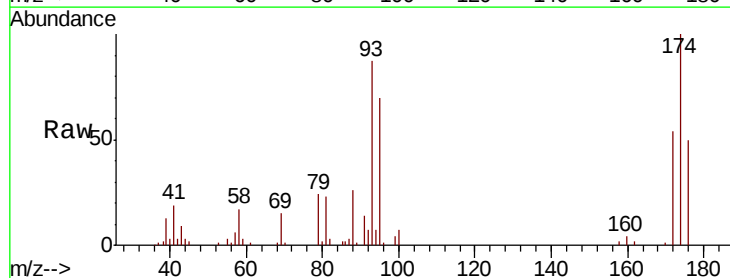
Instrument :
 MSVOA_W
 ClientSampleId :

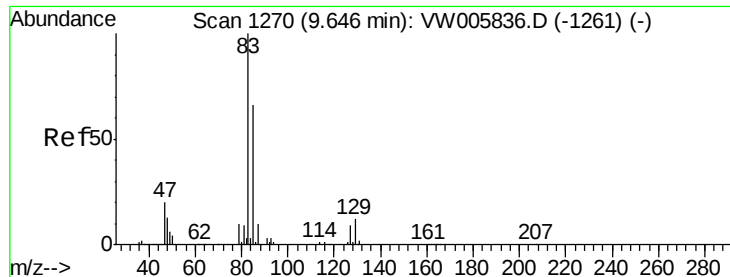
Tgt Ion: 63 Resp: 34505
 Ion Ratio Lower Upper
 63 100
 65 32.4 26.1 39.1



#46
 Dibromomethane
 Concen: 19.151 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion: 93 Resp: 19372
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.9 98.9
 174 113.4 88.4 132.6

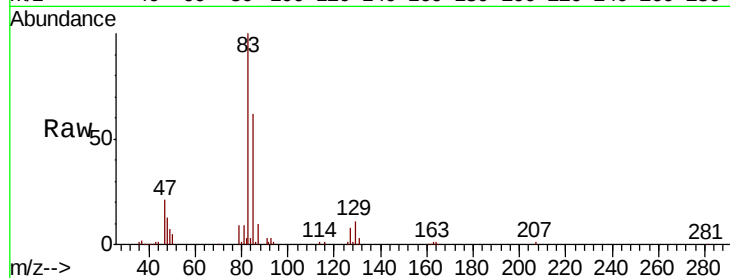




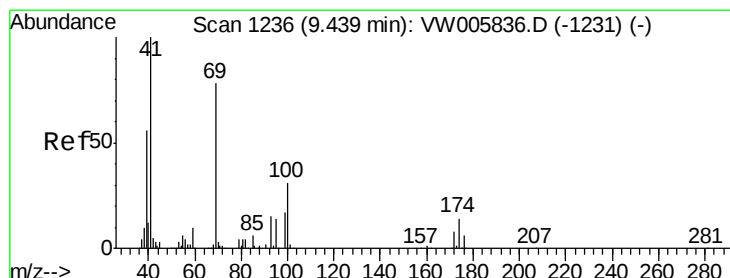
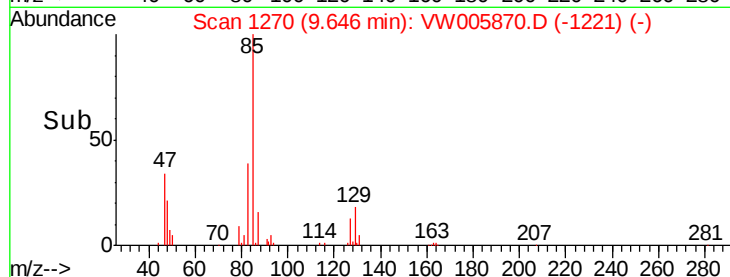
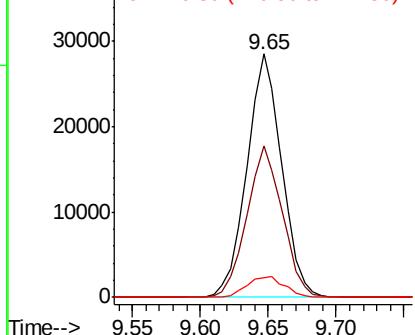
#47
Bromodichloromethane
Concen: 19.050 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 83 Resp: 51001
Ion Ratio Lower Upper
83 100
85 62.0 52.6 78.8
127 8.1 7.4 11.0

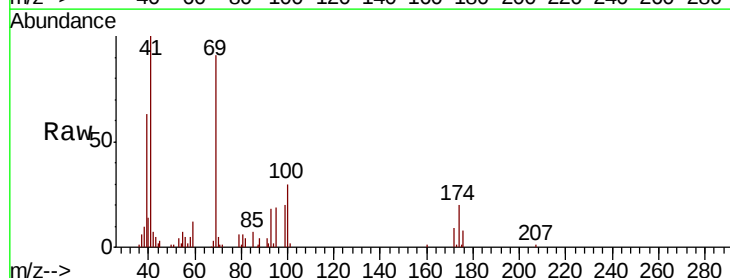


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

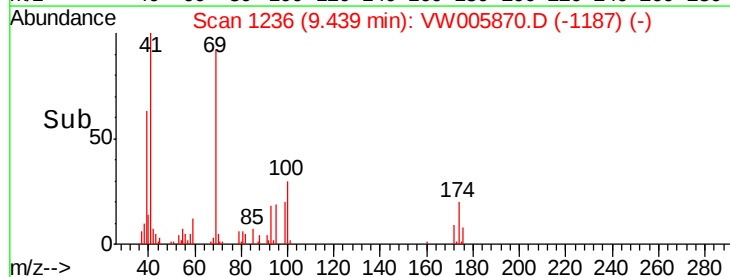
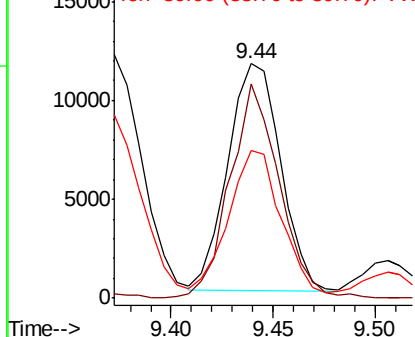


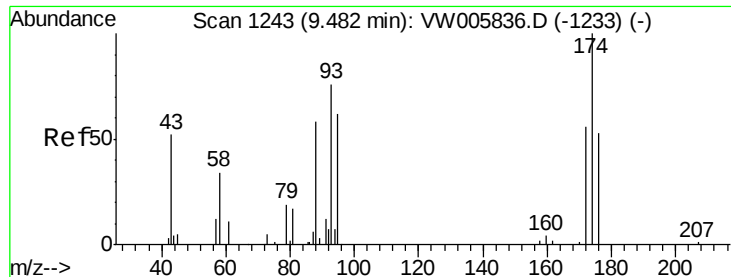
#48
Methyl methacrylate
Concen: 19.209 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 41 Resp: 20619
Ion Ratio Lower Upper
41 100
69 88.7 66.4 99.6
39 66.4 50.1 75.1



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

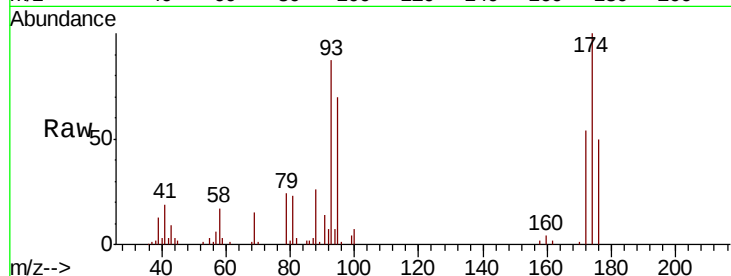




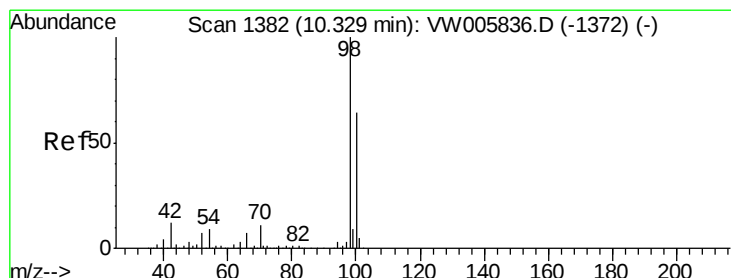
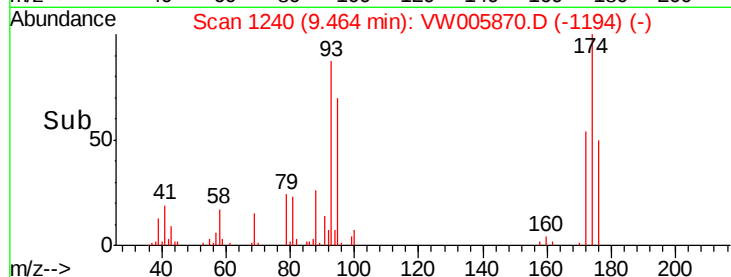
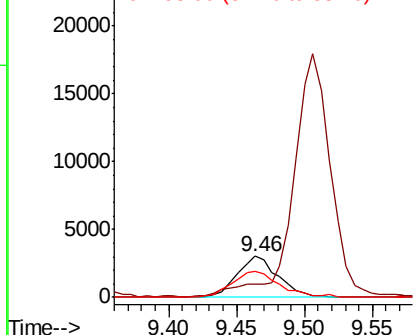
#49
1,4-Dioxane
Concen: 400.445 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 88 Resp: 6329
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.6 58.1 87.1

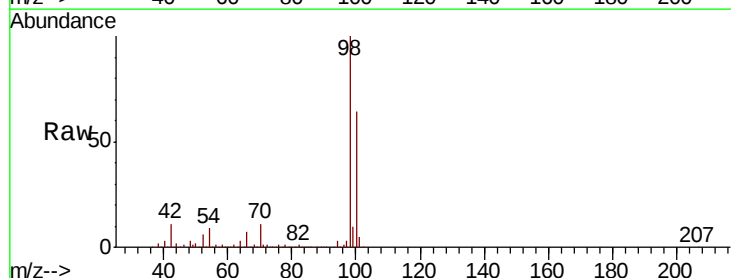


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

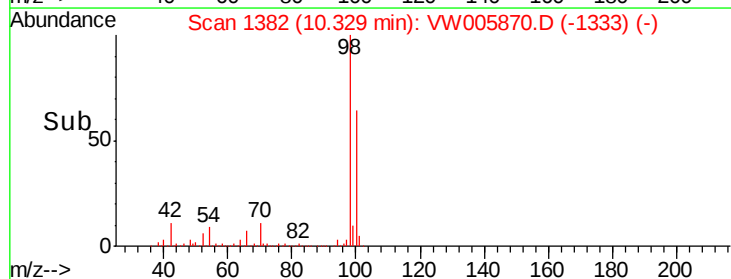
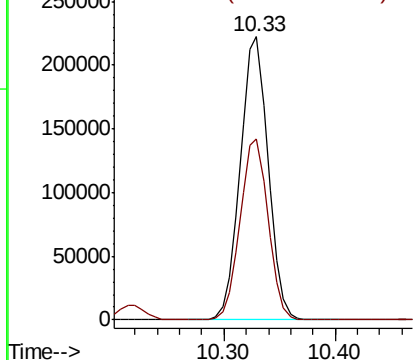


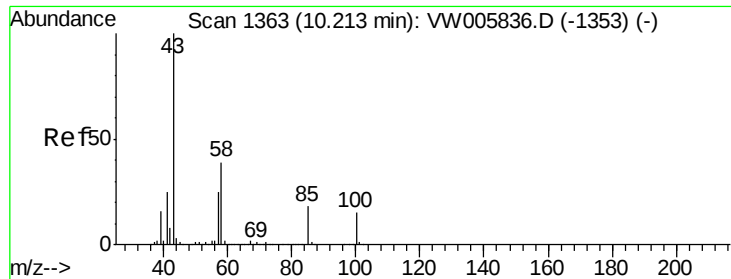
#50
Toluene-d8
Concen: 54.697 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 98 Resp: 385962
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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

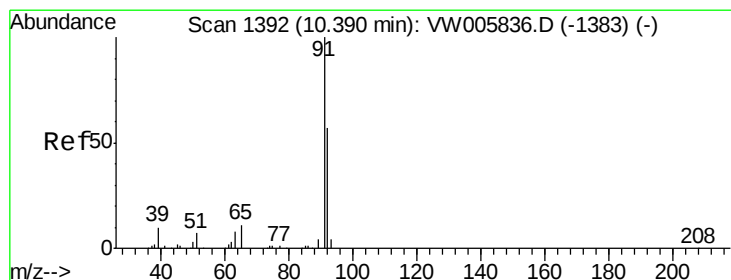
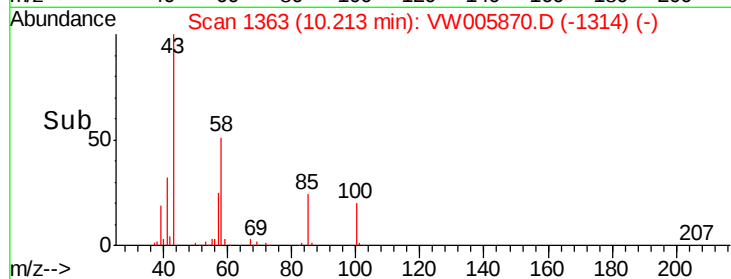
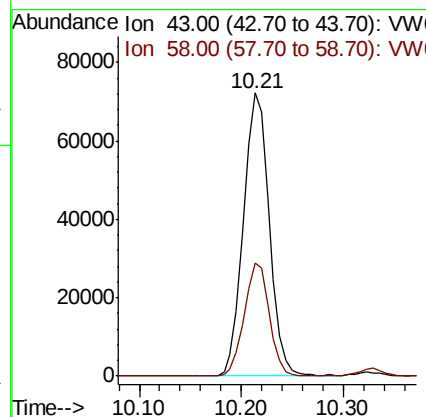
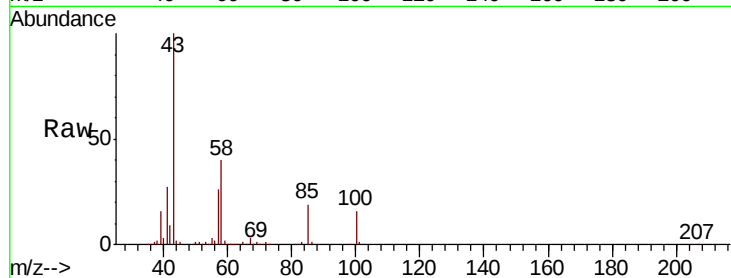




#51
 4-Methyl-2-Pentanone
 Concen: 109.898 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

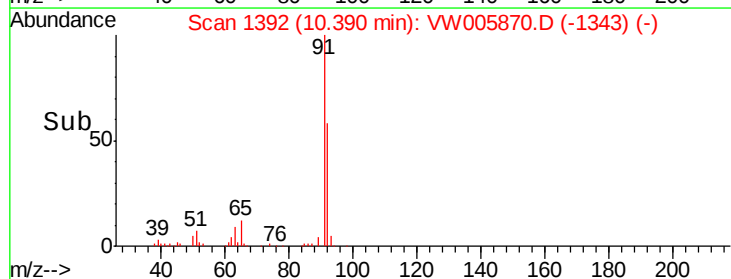
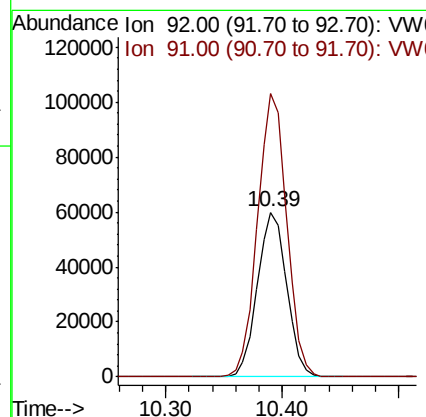
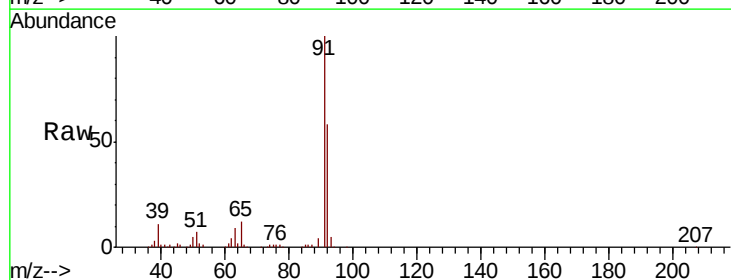
Instrument :
 MSVOA_W
 ClientSampled :

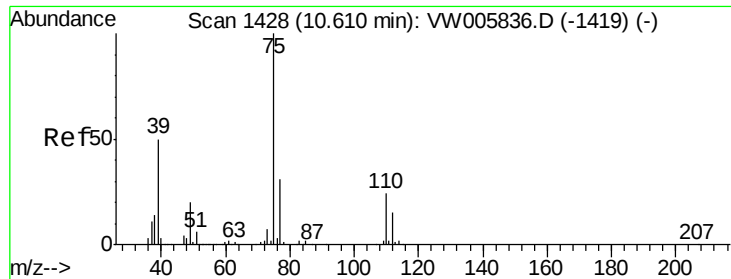
Tgt Ion: 43 Resp: 126757
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.6 45.8



#52
 Toluene
 Concen: 21.142 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion: 92 Resp: 105250
 Ion Ratio Lower Upper
 92 100
 91 171.7 139.0 208.4

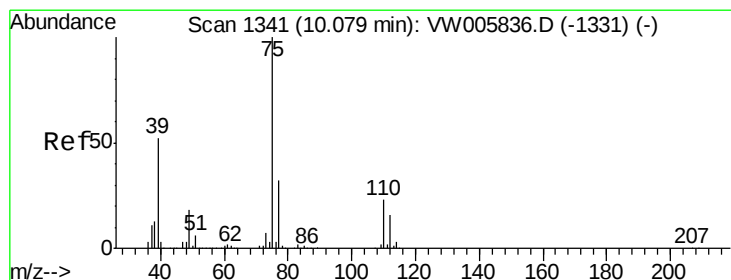
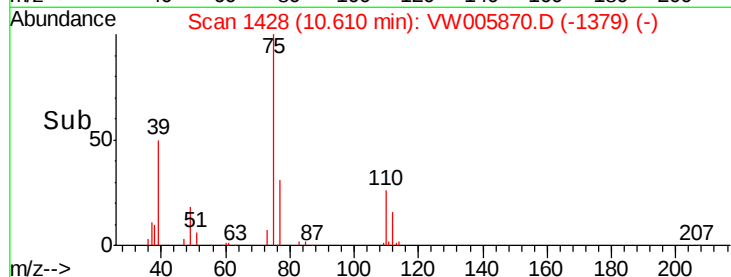
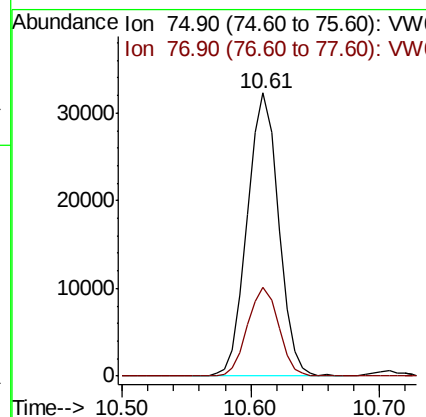
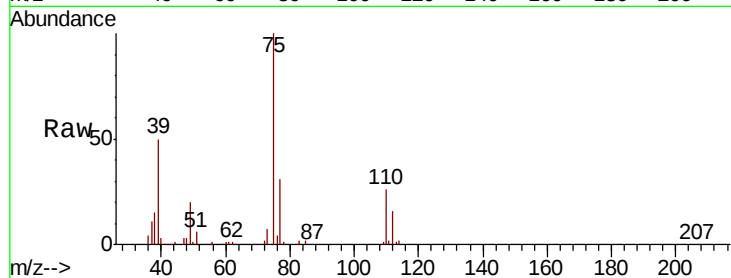




#53
t-1,3-Dichloropropene
Concen: 20.769 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

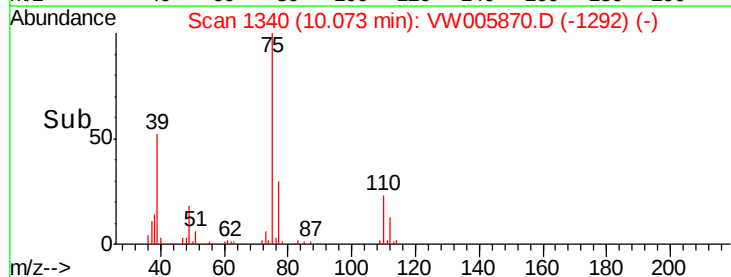
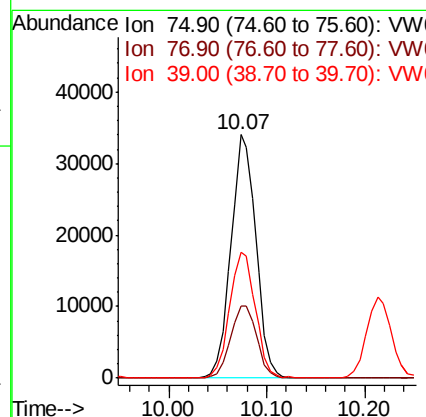
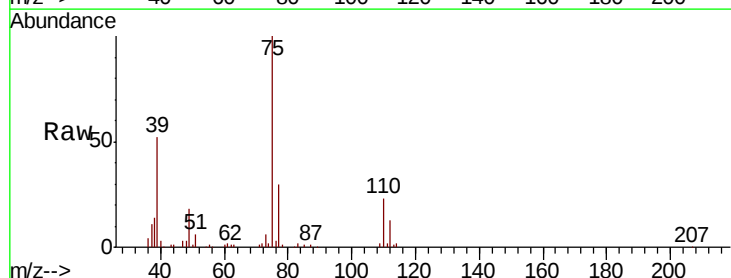
Instrument :
MSVOA_W
ClientSampleId :

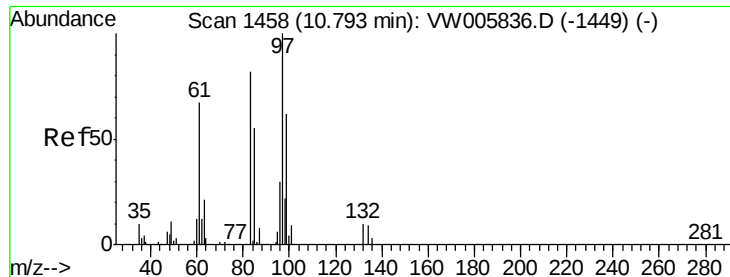
Tgt Ion: 75 Resp: 54290
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.566 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 75 Resp: 60188
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.2
39 51.9 41.9 62.9

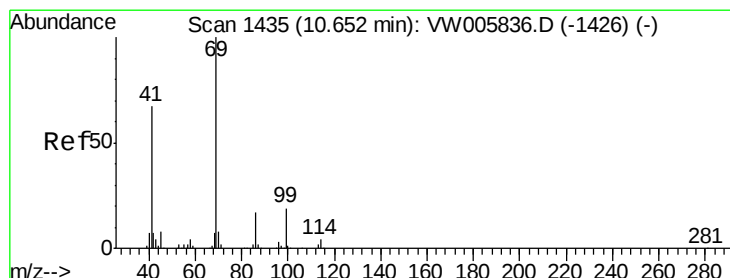
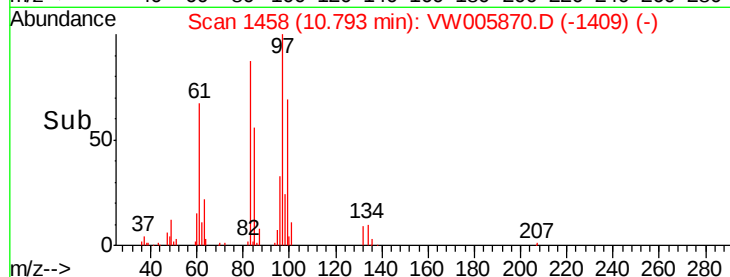
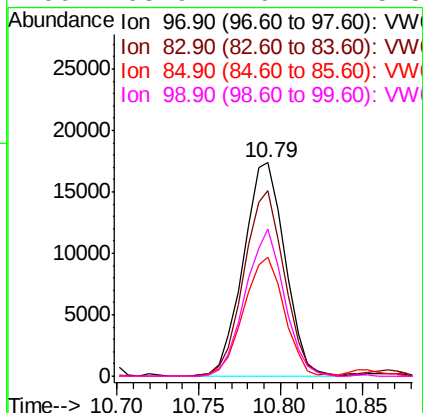
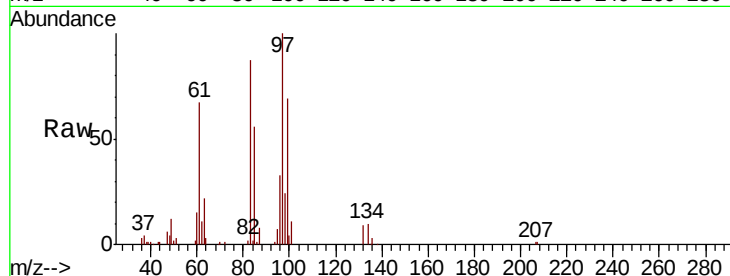




#55
 1,1,2-Trichloroethane
 Concen: 21.137 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

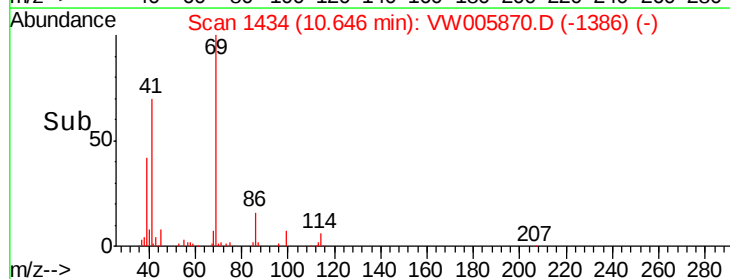
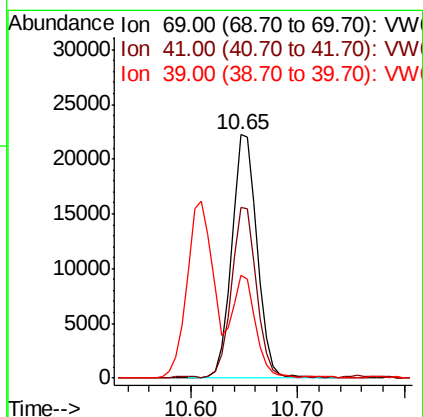
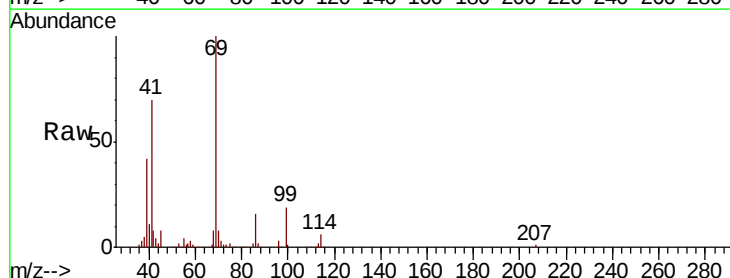
Instrument :
 MSVOA_W
 ClientSampled :

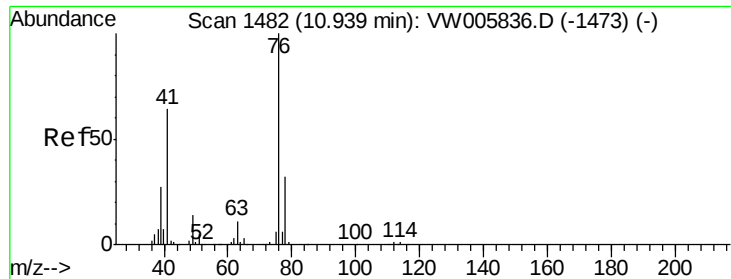
Tgt Ion:	97	Resp:	30888
Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.9	98.9
85	55.5	44.2	66.2
99	68.9	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 21.348 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion:	69	Resp:	37362
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.8	83.6
39	39.3	29.3	43.9

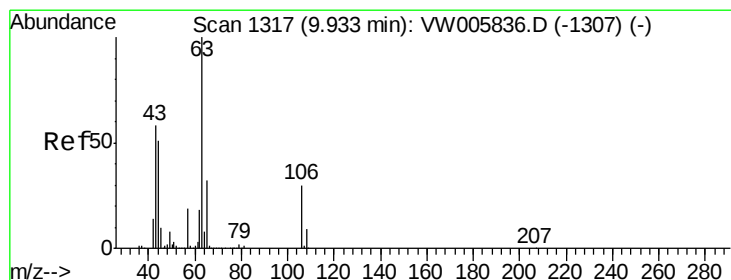
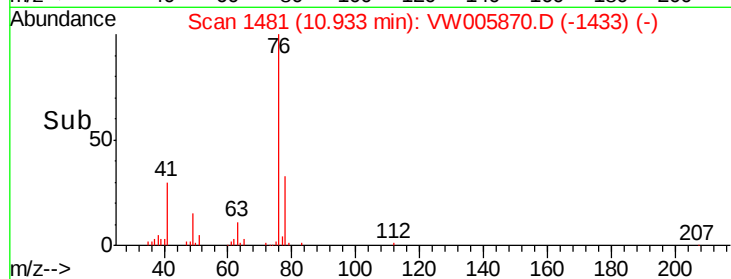
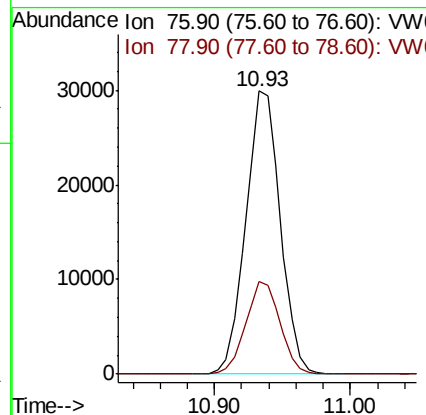
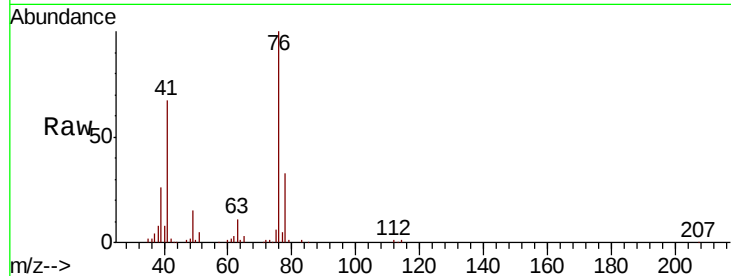




#57
 1,3-Dichloropropane
 Concen: 21.288 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

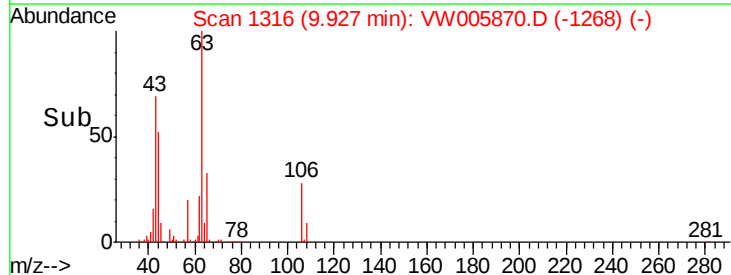
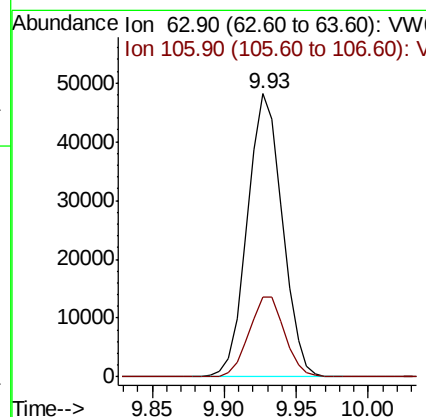
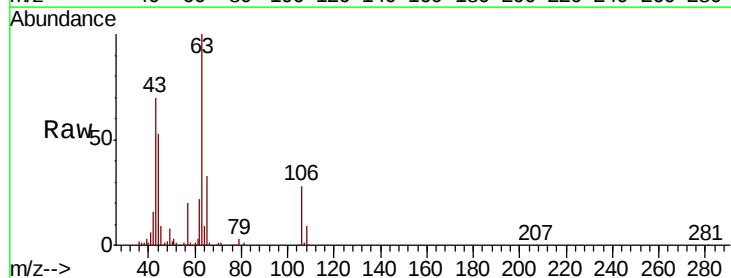
Instrument :
 MSVOA_W
 ClientSampleId :

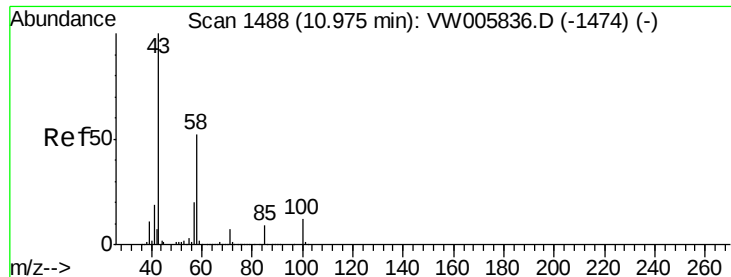
Tgt Ion: 76 Resp: 52961
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.184 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion: 63 Resp: 80717
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.7 35.5





#59

2-Hexanone

Concen: 111.202 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

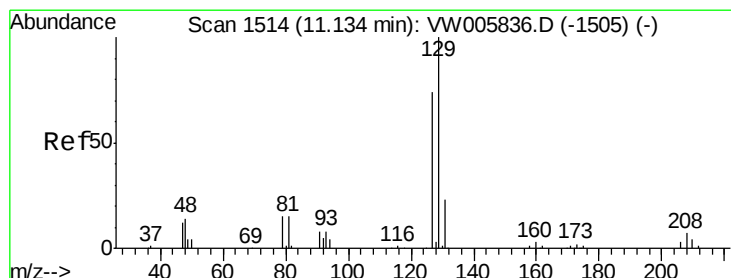
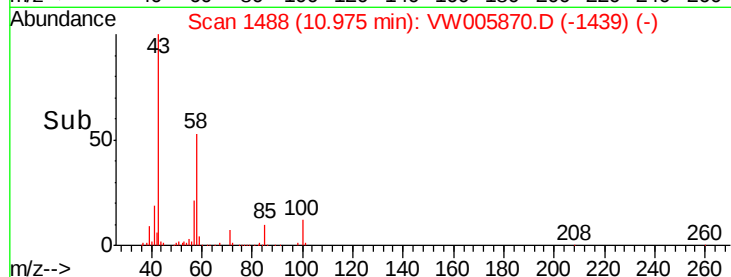
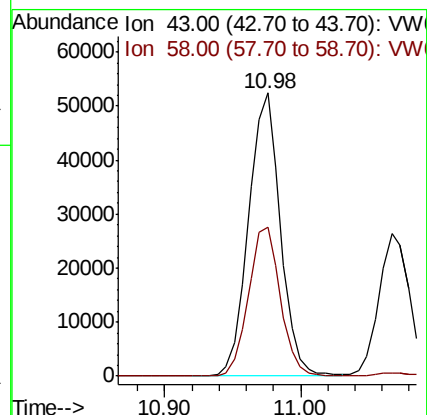
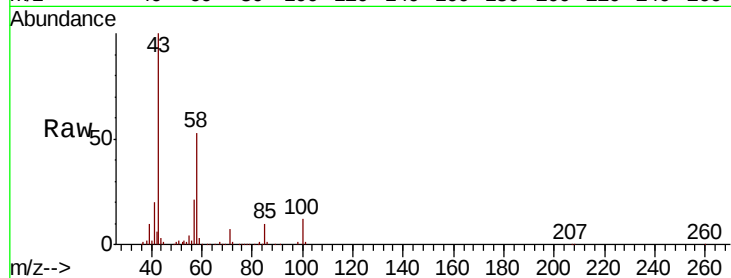
ClientSampled :

Tgt Ion: 43 Resp: 85788

Ion Ratio Lower Upper

43 100

58 52.8 25.9 77.7



#60

Dibromochloromethane

Concen: 20.270 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW005870.D

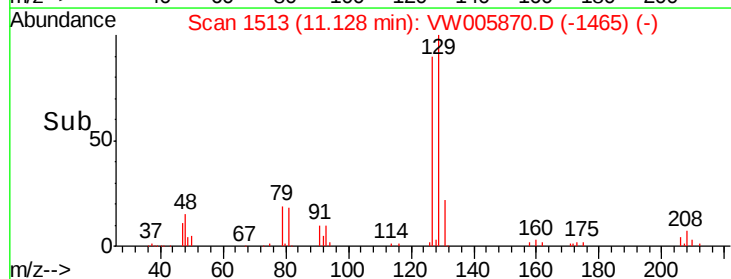
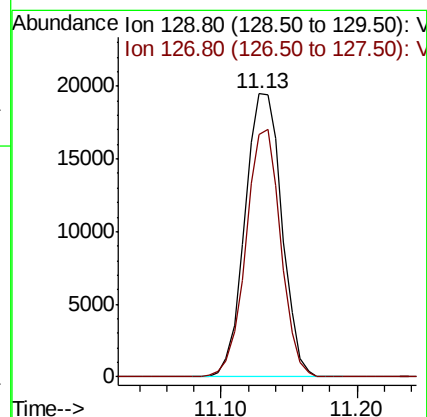
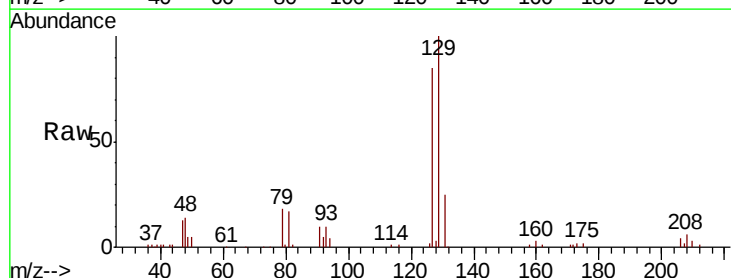
Acq: 05 Oct 2018 00:56

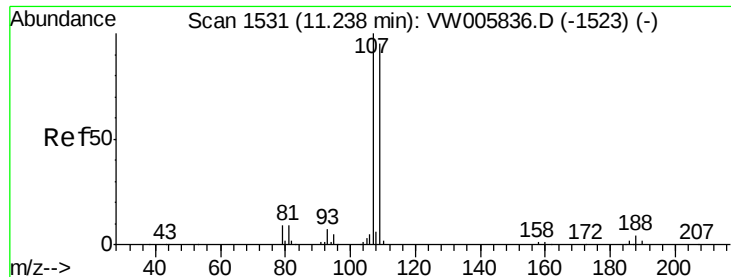
Tgt Ion: 129 Resp: 36978

Ion Ratio Lower Upper

129 100

127 82.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.151 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

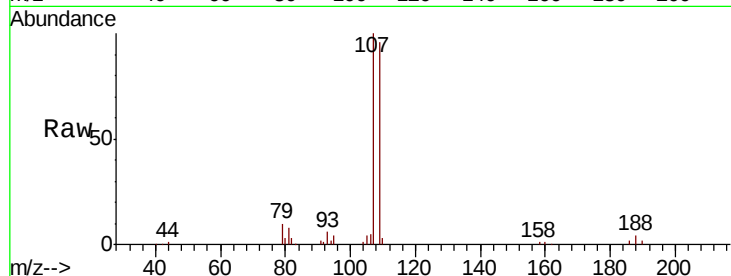
ClientSampleId :

Tgt Ion: 107 Resp: 28711

Ion Ratio Lower Upper

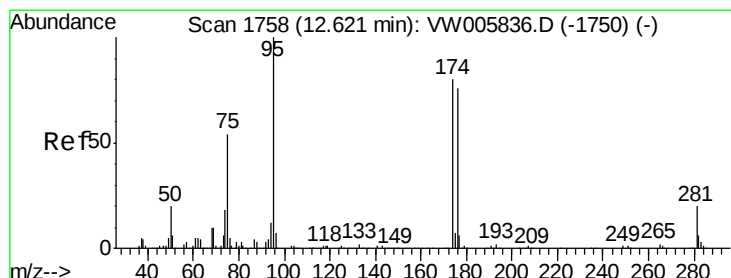
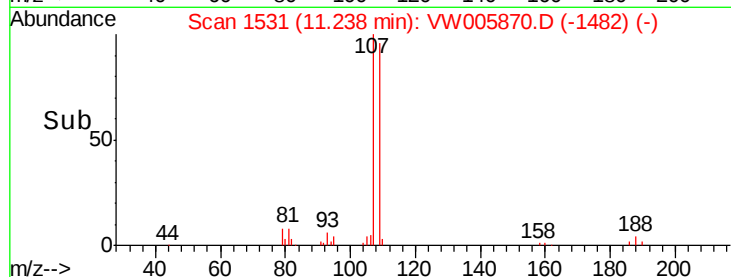
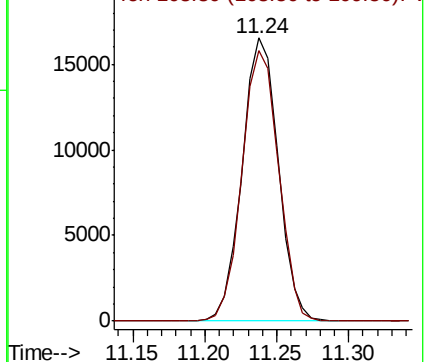
107 100

109 96.7 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.786 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

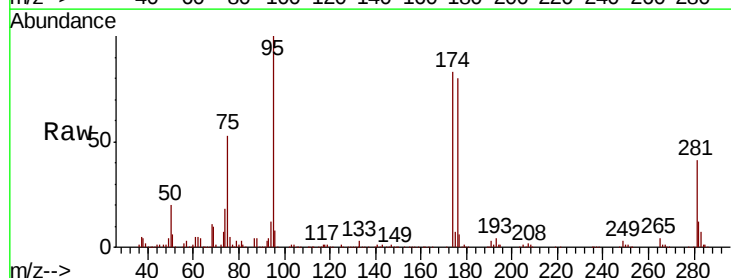
Tgt Ion: 95 Resp: 142870

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.0

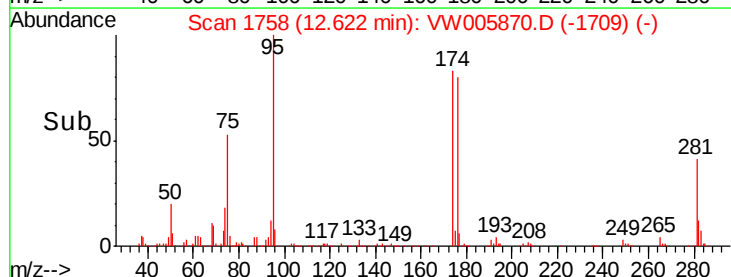
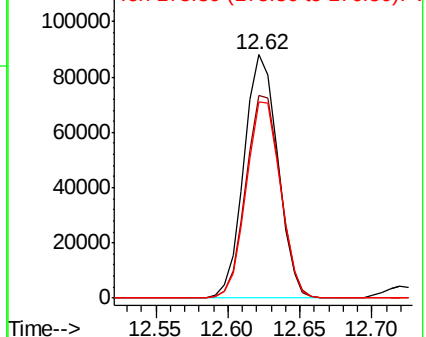
176 81.7 0.0 164.2

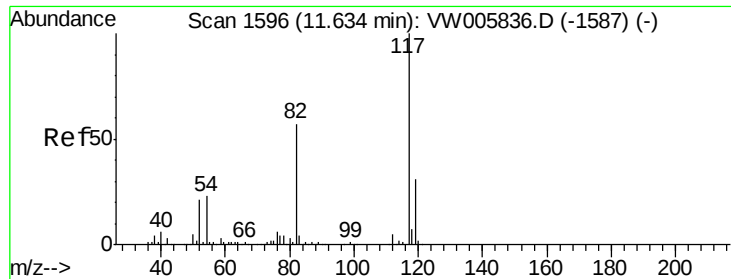


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

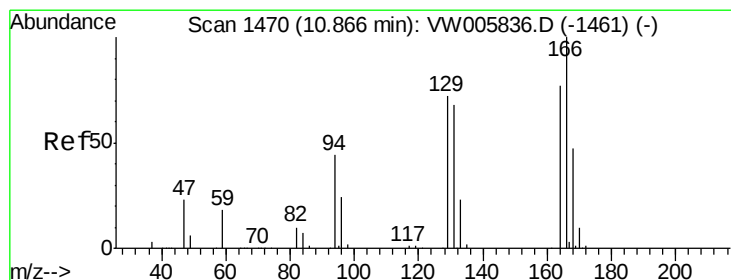
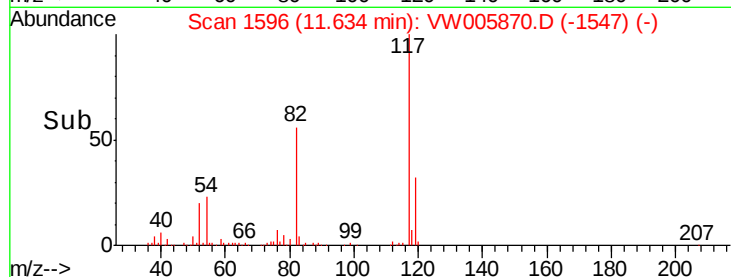
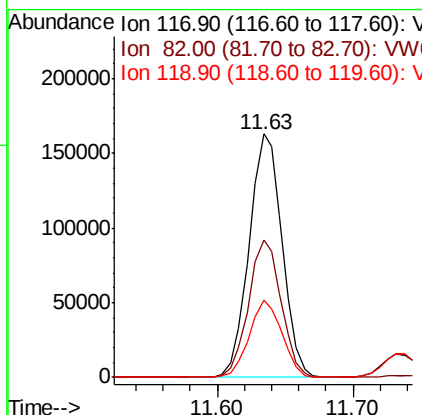
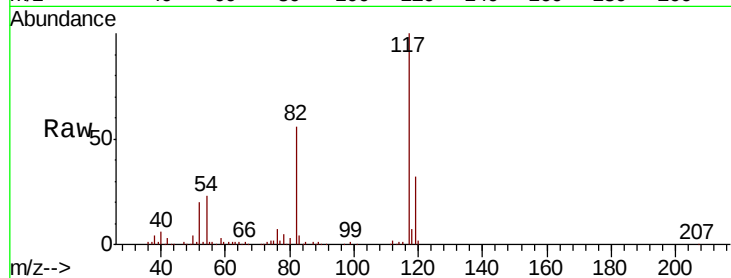




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

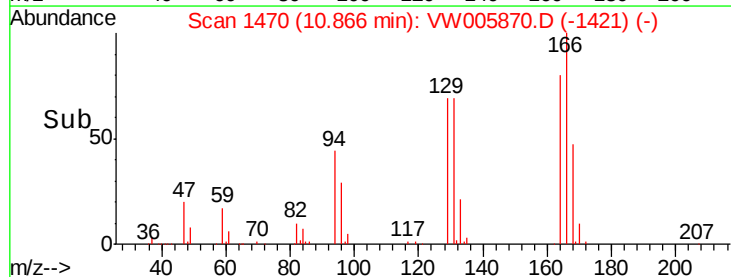
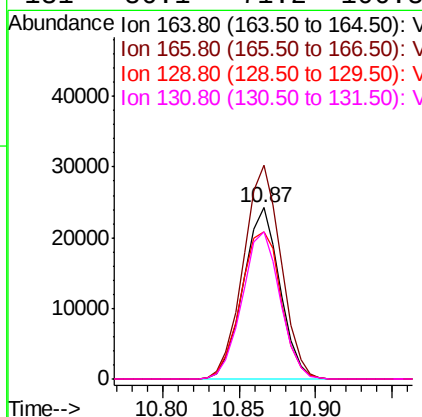
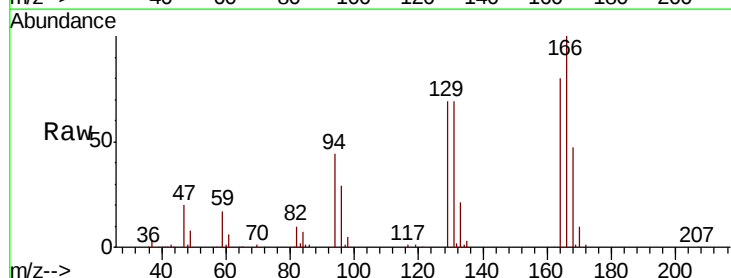
Instrument :
MSVOA_W
ClientSampleId :

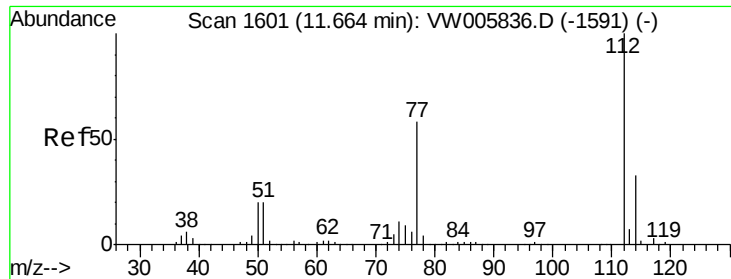
Tgt Ion:117 Resp: 276774
Ion Ratio Lower Upper
117 100
82 56.4 45.6 68.4
119 31.5 25.0 37.6



#64
Tetrachloroethene
Concen: 18.711 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion:164 Resp: 40424
Ion Ratio Lower Upper
164 100
166 124.7 104.0 156.0
129 86.3 74.8 112.2
131 86.1 71.2 106.8

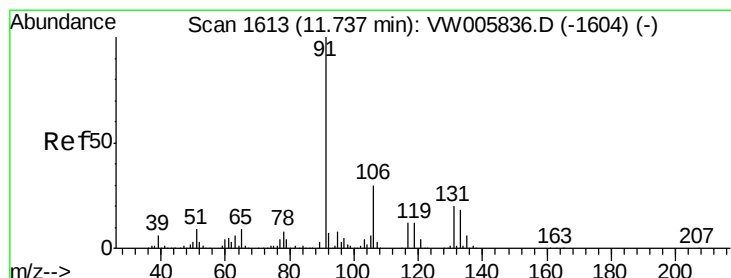
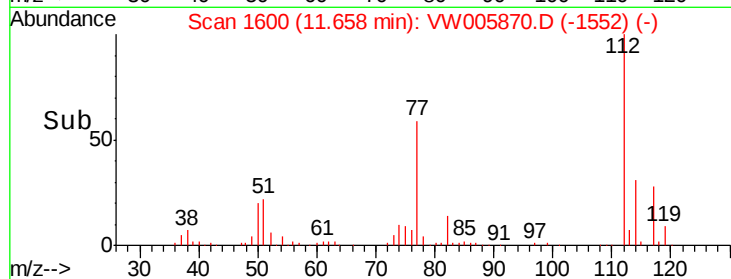
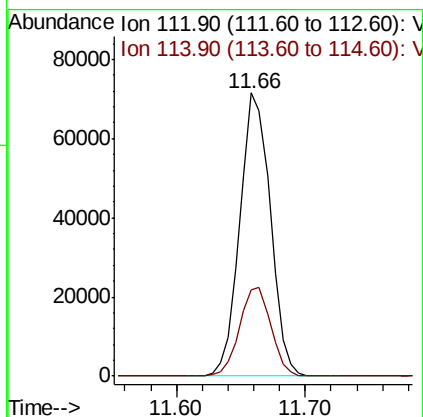
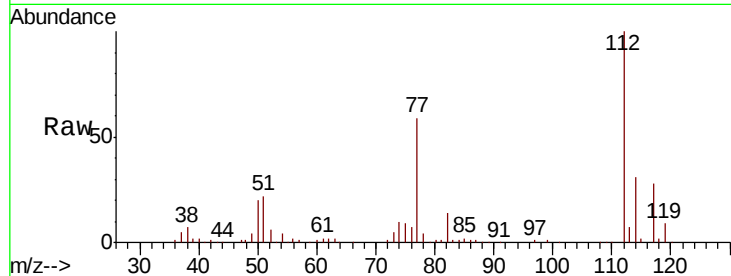




#65
Chlorobenzene
Concen: 19.384 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

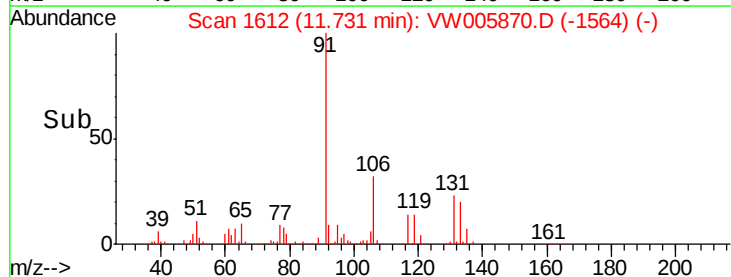
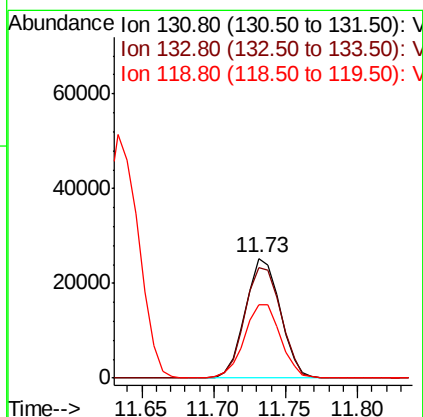
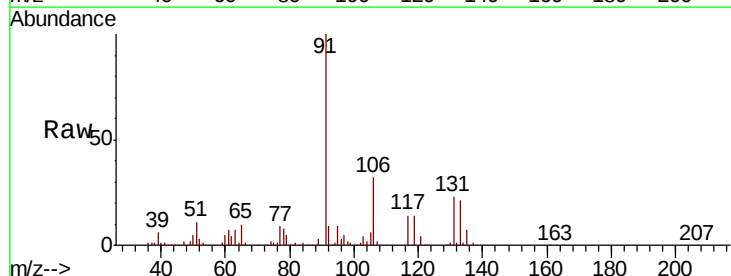
Instrument :
MSVOA_W
ClientSampleId :

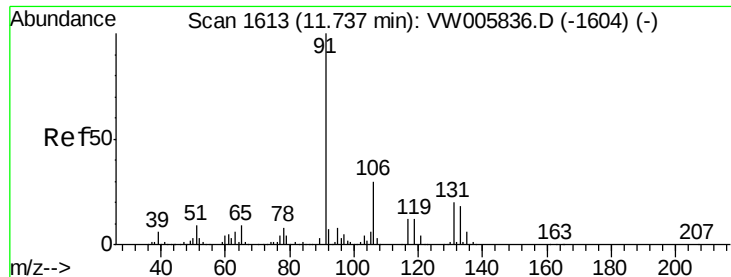
Tgt Ion:112 Resp: 117305
Ion Ratio Lower Upper
112 100
114 30.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.962 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion:131 Resp: 42534
Ion Ratio Lower Upper
131 100
133 96.0 47.0 141.0
119 63.4 30.4 91.2

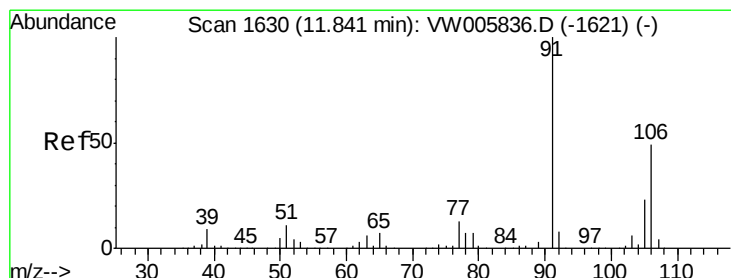
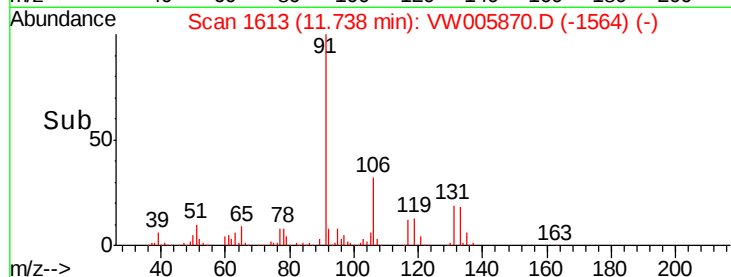
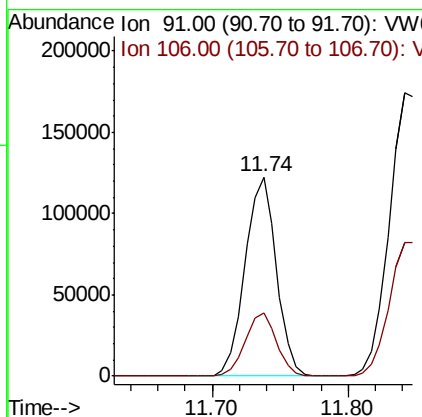
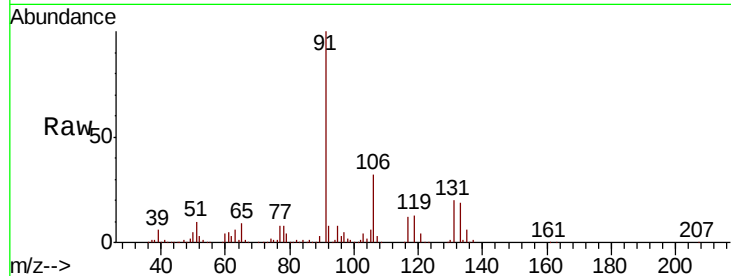




#67
Ethyl Benzene
Concen: 18.993 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

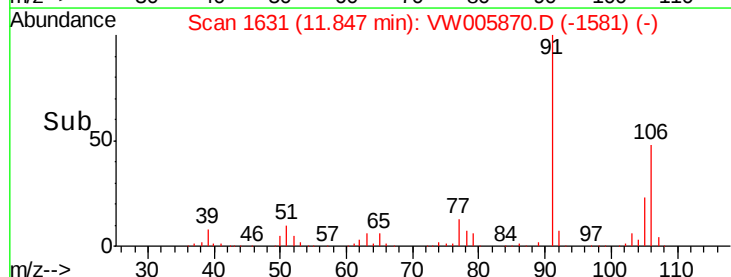
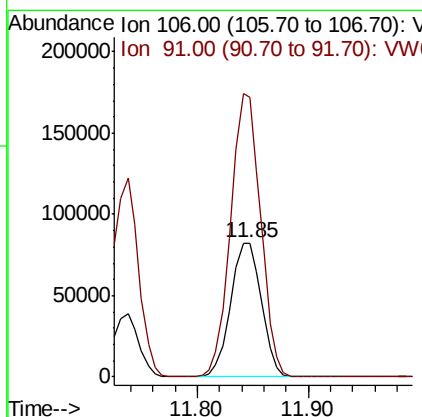
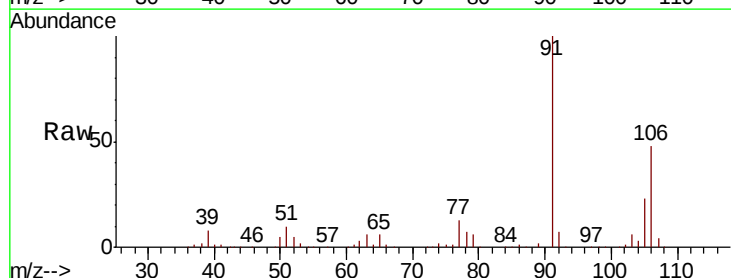
Instrument :
MSVOA_W
ClientSampleId :

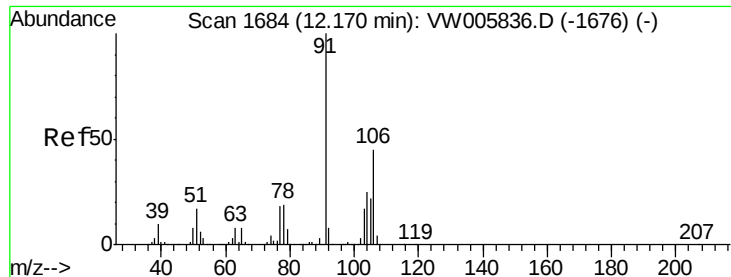
Tgt Ion: 91 Resp: 196818
Ion Ratio Lower Upper
91 100
106 31.9 24.3 36.5



#68
m/p-Xylenes
Concen: 39.377 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 106 Resp: 157235
Ion Ratio Lower Upper
106 100
91 205.8 165.4 248.0

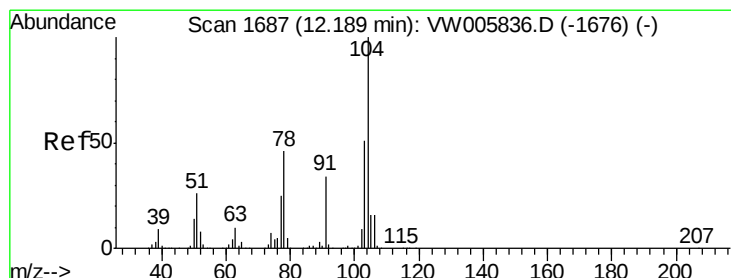
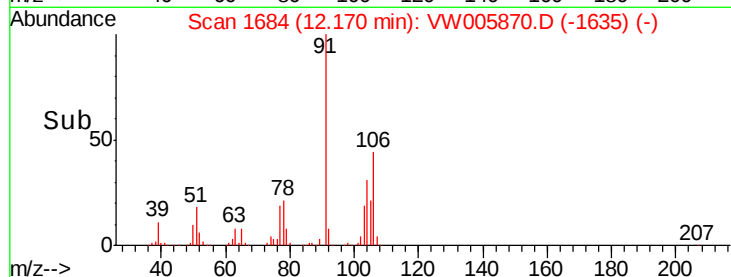
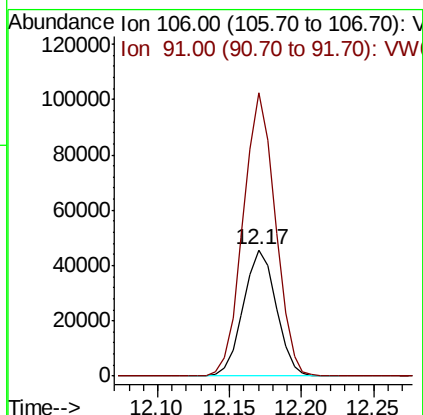
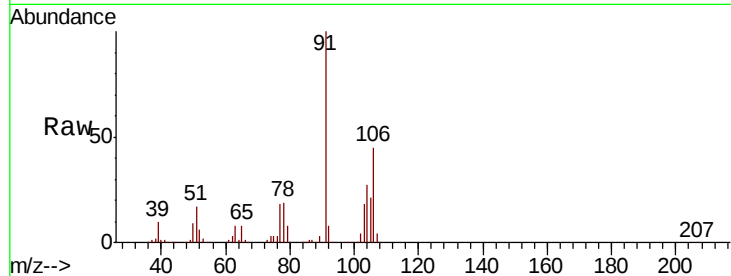




#69
o-Xylene
Concen: 19.432 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

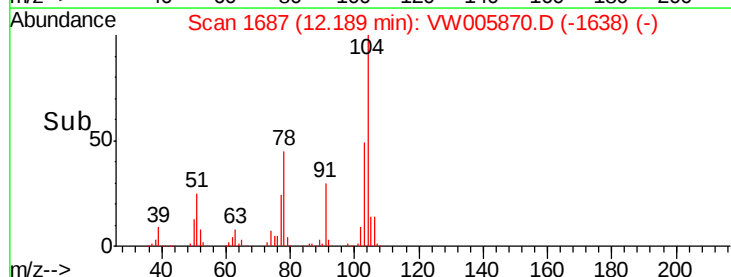
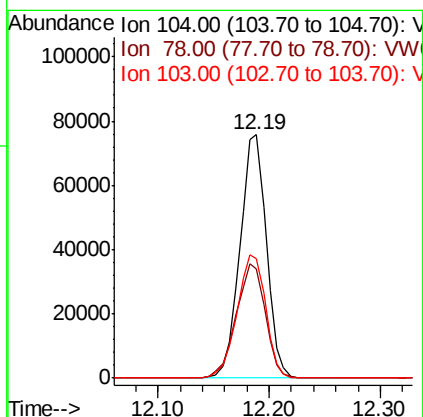
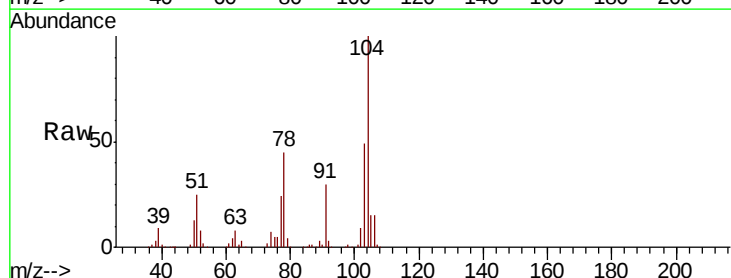
Instrument :
MSVOA_W
ClientSampled :

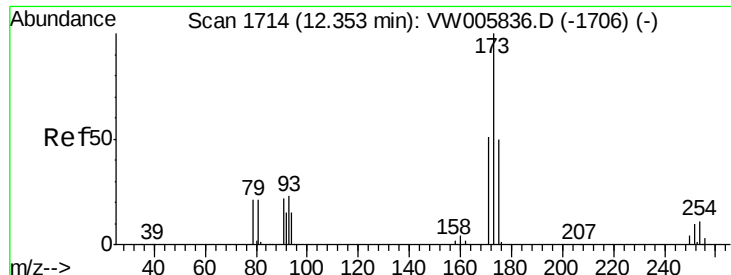
Tgt Ion:106 Resp: 72120
Ion Ratio Lower Upper
106 100
91 220.4 109.7 329.1



#70
Styrene
Concen: 19.869 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion:104 Resp: 125083
Ion Ratio Lower Upper
104 100
78 51.6 42.3 63.5
103 54.7 44.9 67.3





#71

Bromoform

Concen: 19.310 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

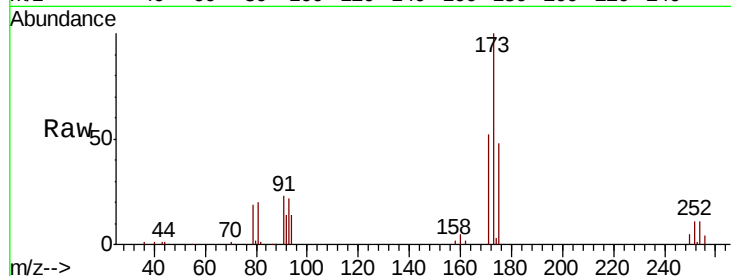
Tgt Ion:173 Resp: 23845

Ion Ratio Lower Upper

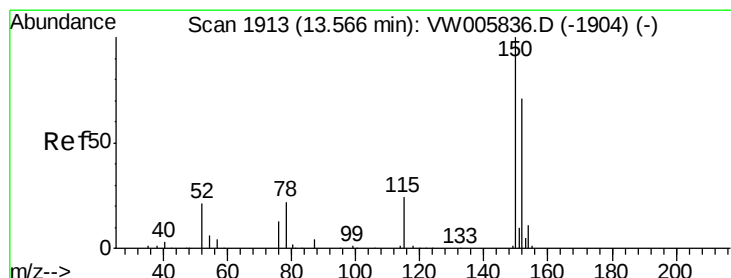
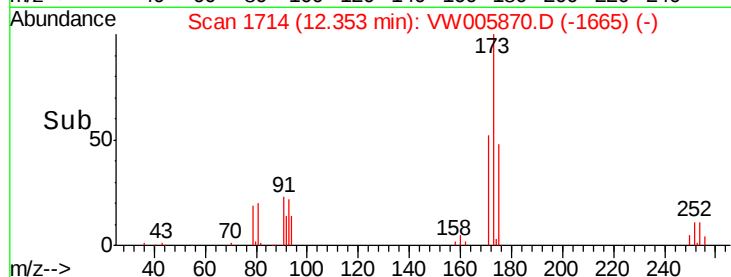
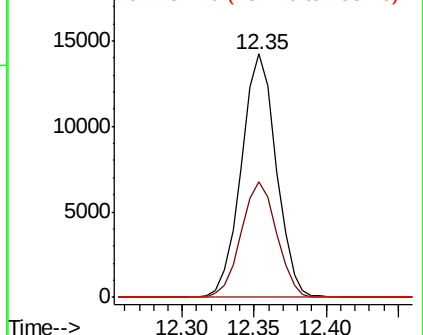
173 100

175 48.3 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

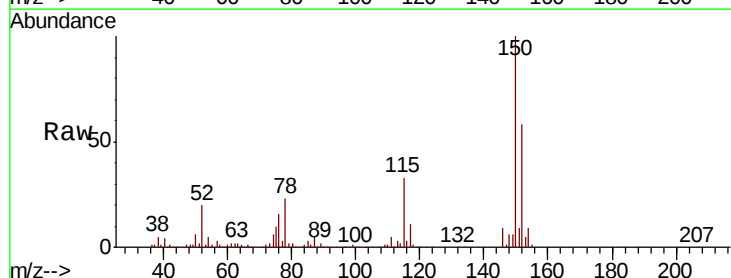
Tgt Ion:152 Resp: 137766

Ion Ratio Lower Upper

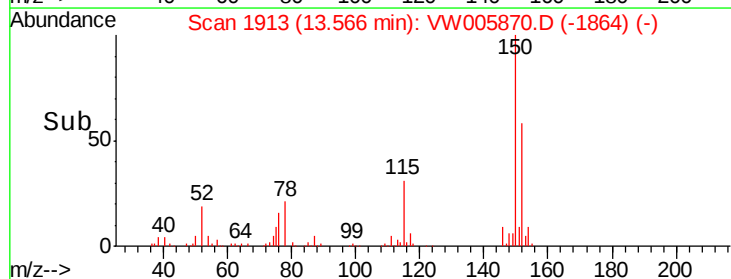
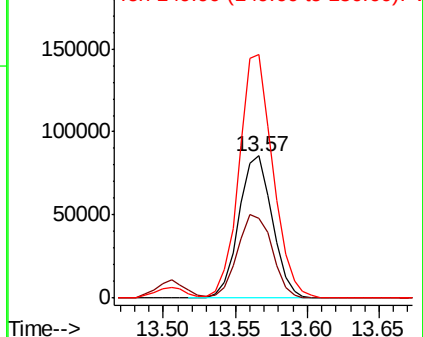
152 100

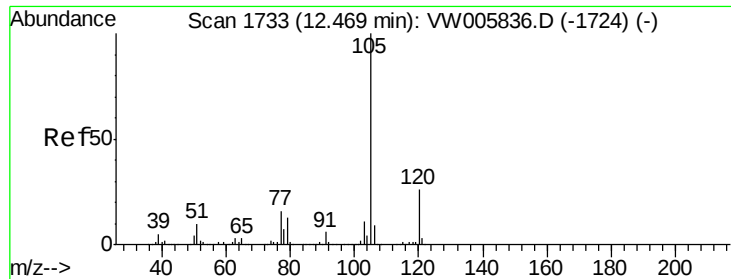
115 60.9 29.8 89.4

150 172.8 0.0 349.4



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





#73

Isopropylbenzene

Concen: 21.485 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

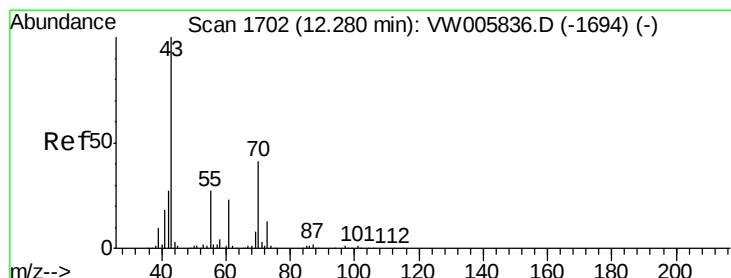
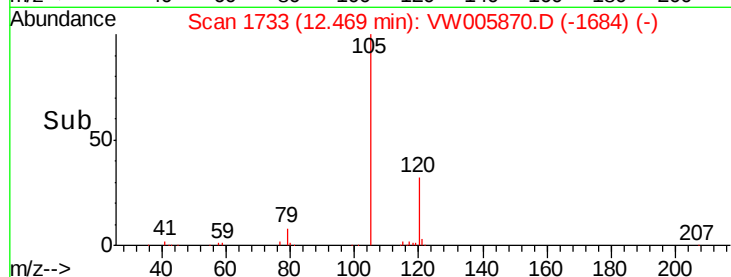
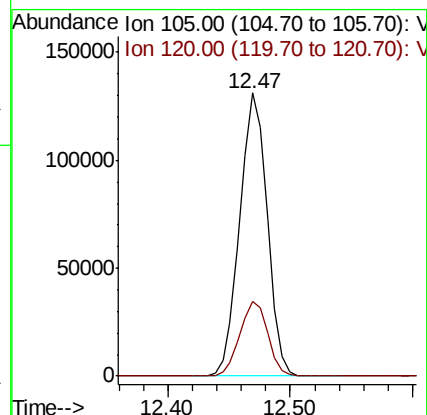
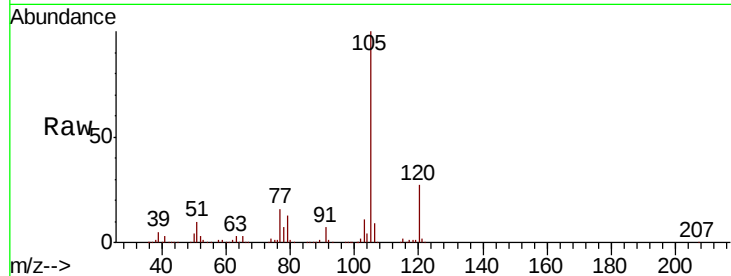
ClientSampled :

Tgt Ion: 105 Resp: 203655

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.7



#74

N-ethyl acetate

Concen: 22.389 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Tgt Ion: 43 Resp: 46186

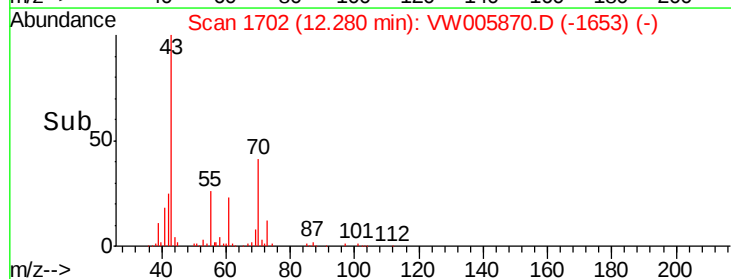
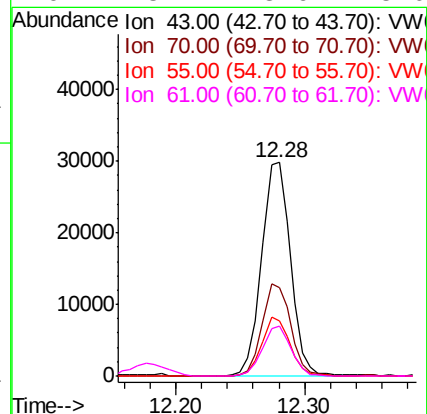
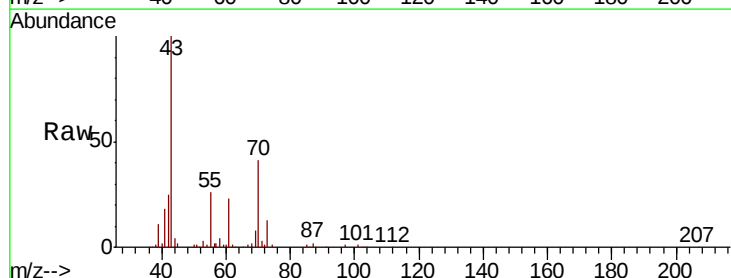
Ion Ratio Lower Upper

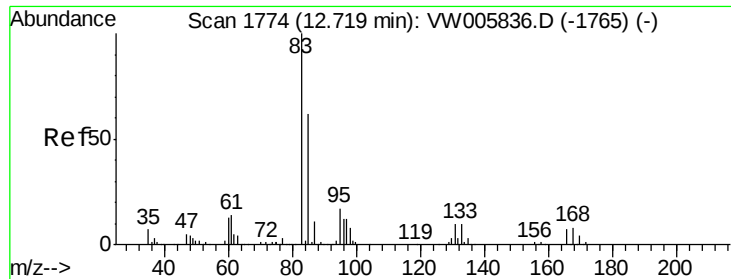
43 100

70 42.5 33.6 50.4

55 27.0 21.8 32.6

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.761 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

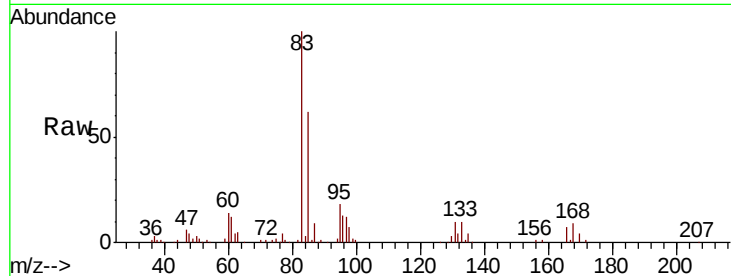
Tgt Ion: 83 Resp: 37018

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.6

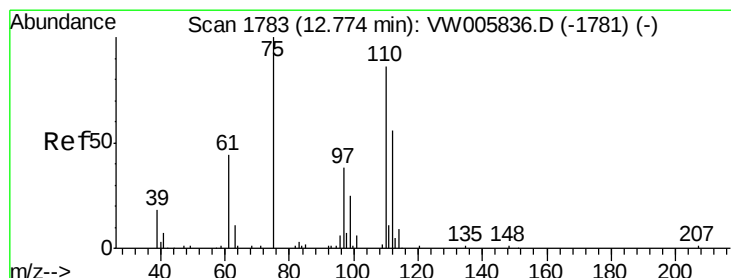
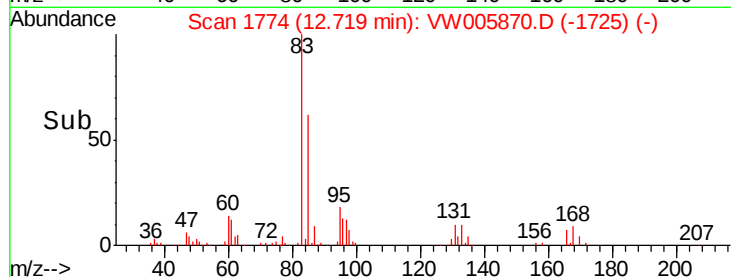
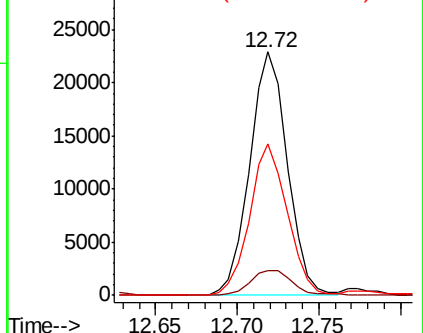
85 61.9 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.474 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005870.D

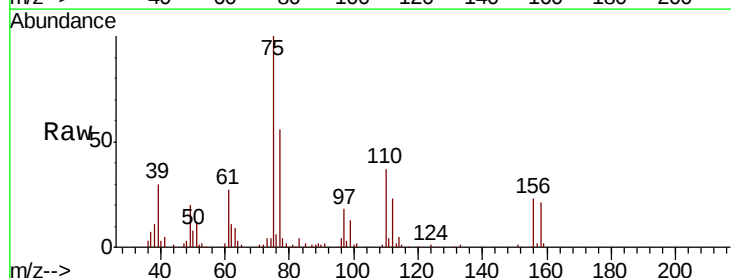
Acq: 05 Oct 2018 00:56

Tgt Ion: 75 Resp: 49423

Ion Ratio Lower Upper

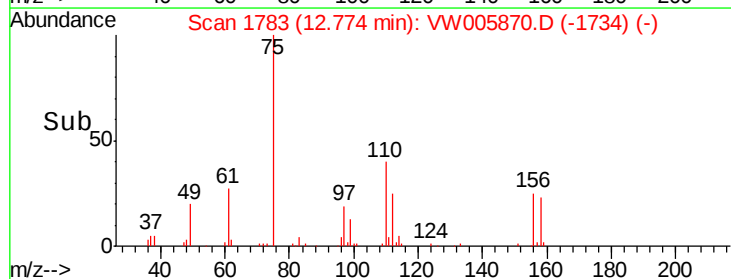
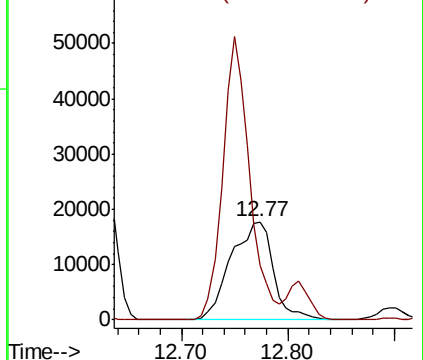
75 100

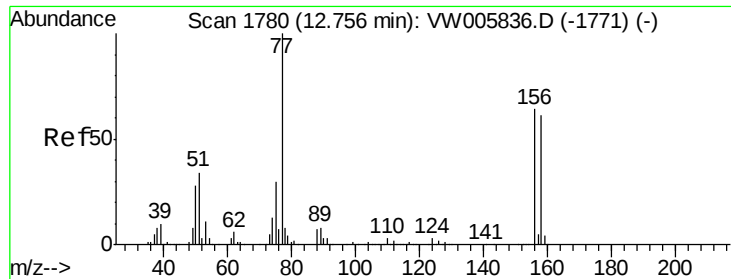
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.367 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

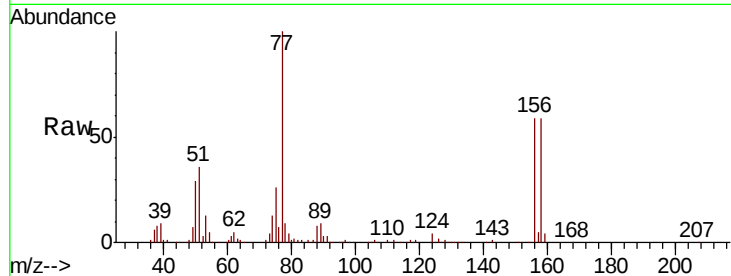
Tgt Ion:156 Resp: 50006

Ion Ratio Lower Upper

156 100

77 181.4 91.0 273.1

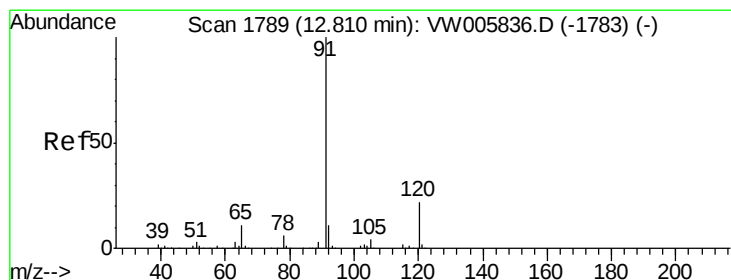
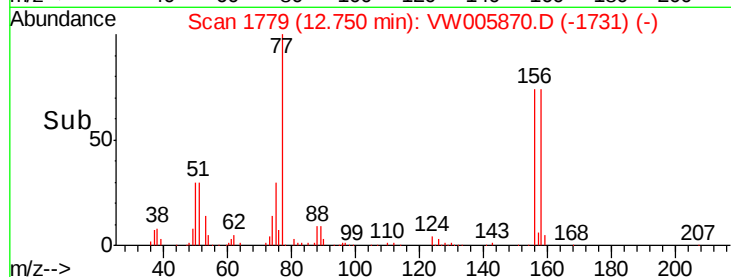
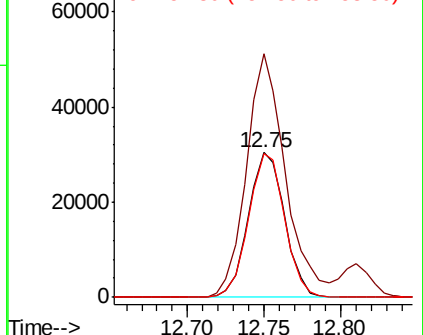
158 98.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.983 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005870.D

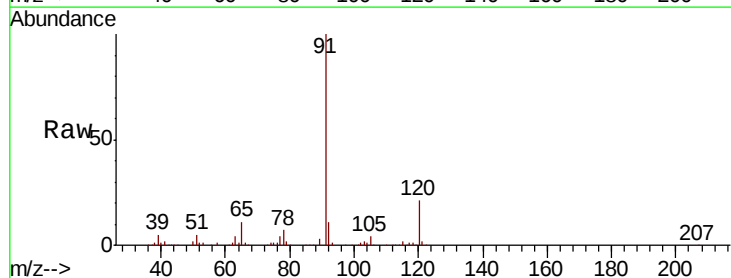
Acq: 05 Oct 2018 00:56

Tgt Ion: 91 Resp: 247843

Ion Ratio Lower Upper

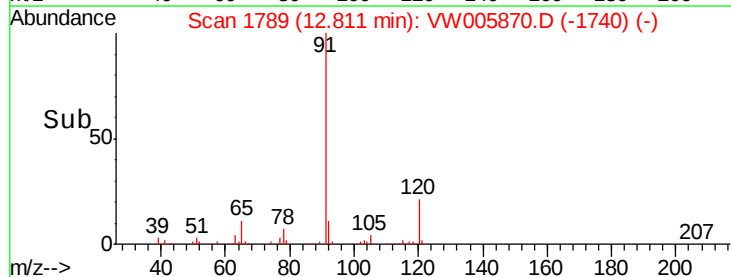
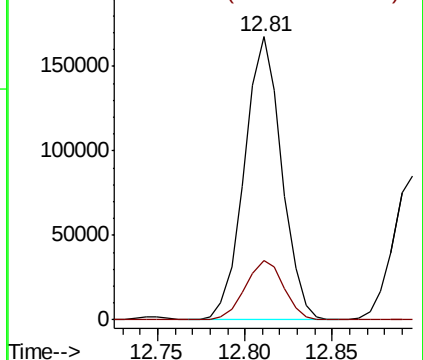
91 100

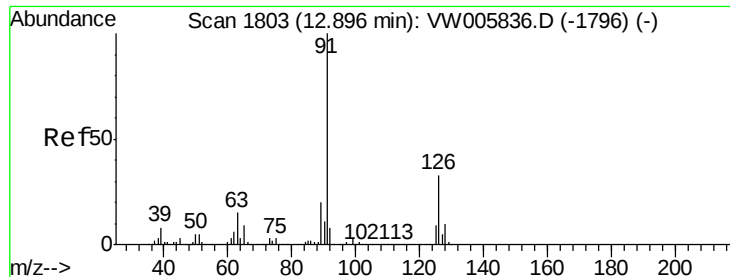
120 21.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.438 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

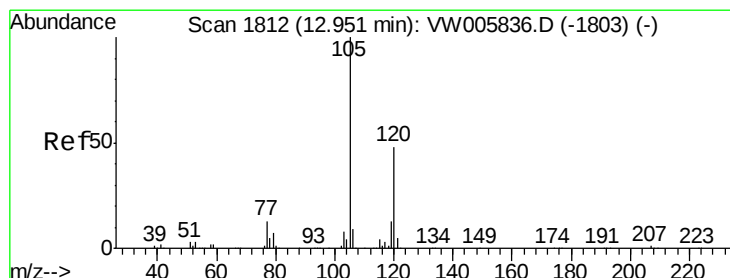
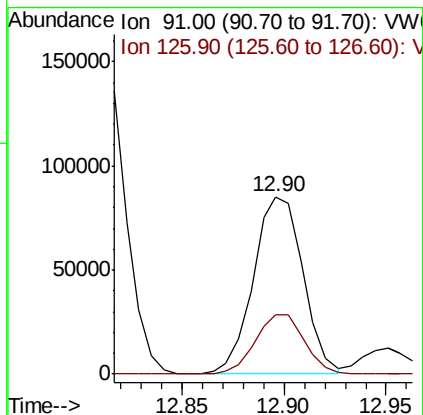
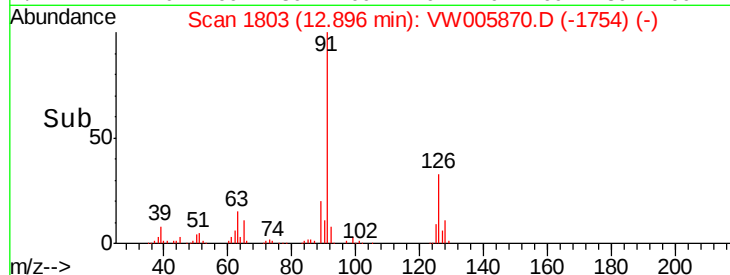
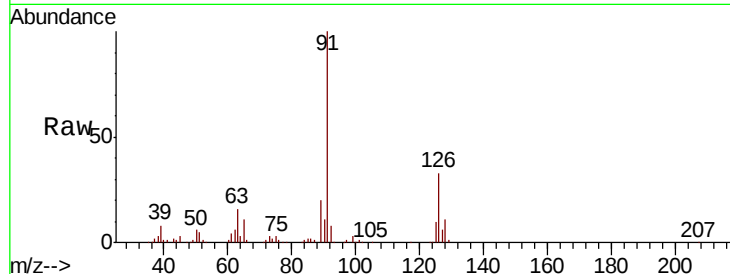
ClientSampleId :

Tgt Ion: 91 Resp: 143962

Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 22.037 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005870.D

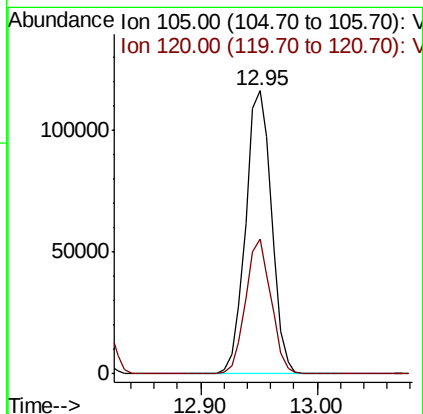
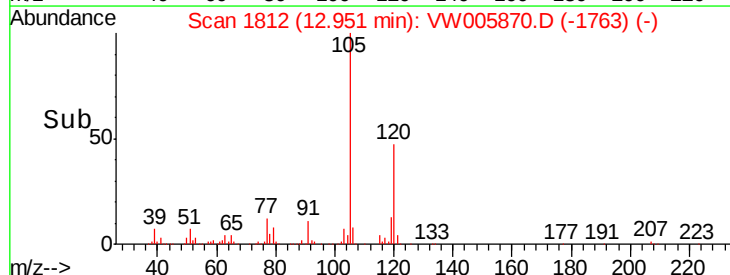
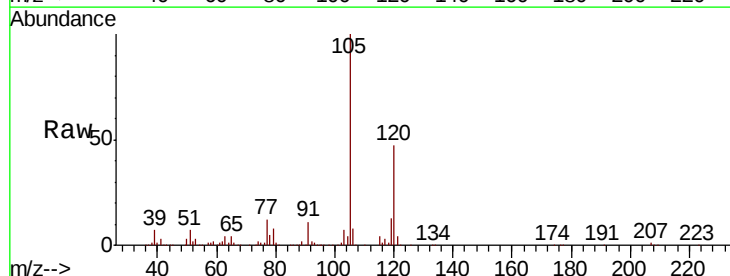
Acq: 05 Oct 2018 00:56

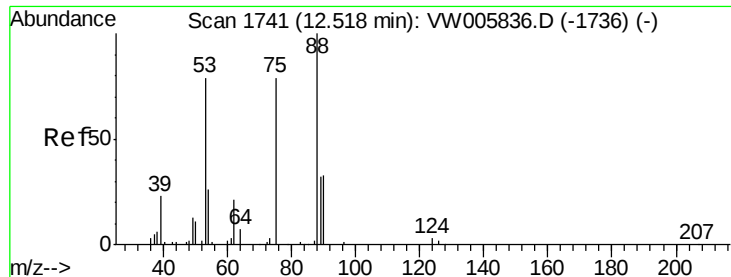
Tgt Ion: 105 Resp: 181405

Ion Ratio Lower Upper

105 100

120 46.5 23.8 71.2

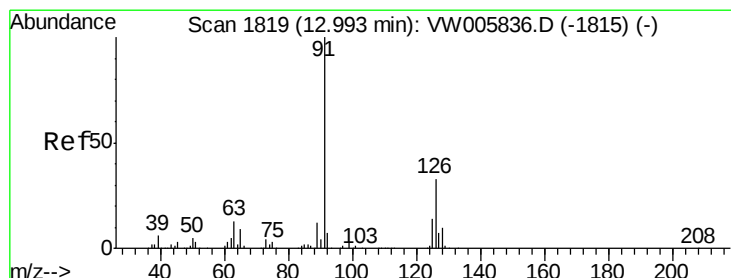
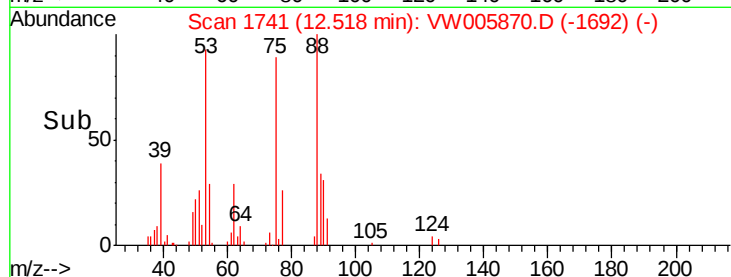
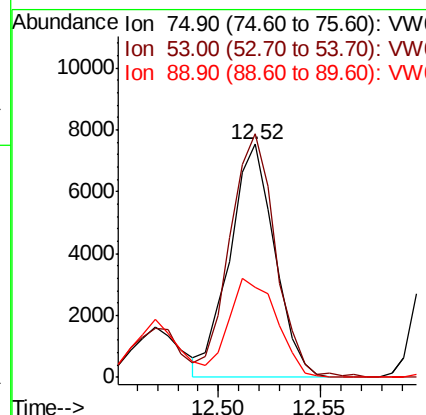
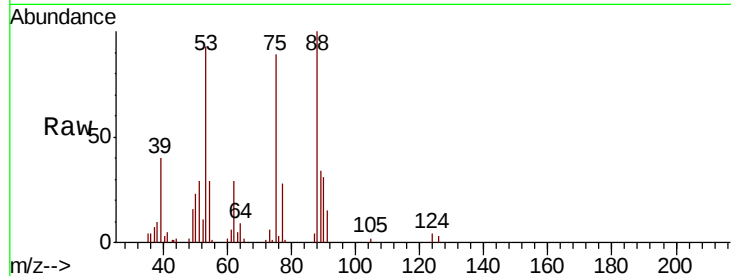




#81
trans-1,4-Dichloro-2-butene
Concen: 23.242 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

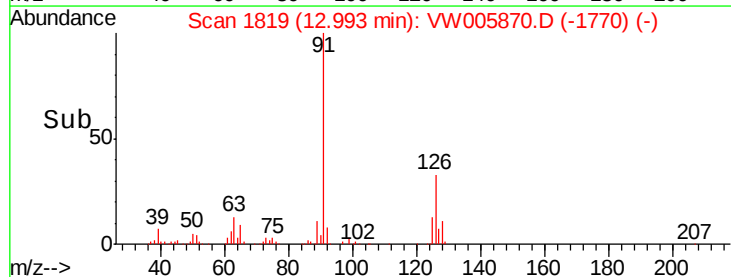
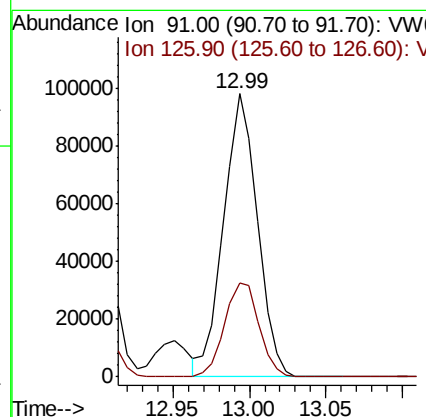
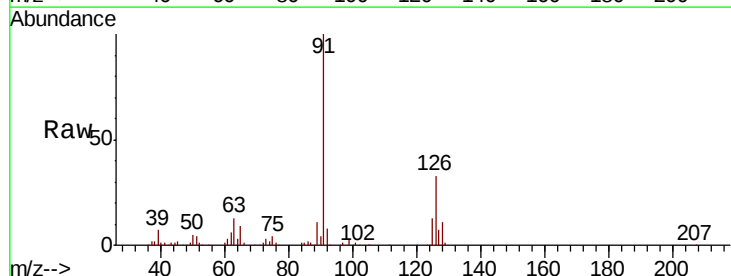
Instrument :
MSVOA_W
ClientSampleId :

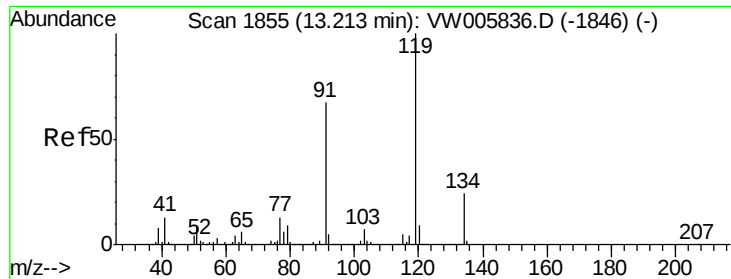
Tgt Ion: 75 Resp: 11512
Ion Ratio Lower Upper
75 100
53 106.3 83.7 125.5
89 45.0 37.5 56.3



#82
4-Chlorotoluene
Concen: 21.281 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion: 91 Resp: 150635
Ion Ratio Lower Upper
91 100
126 34.0 16.7 50.0

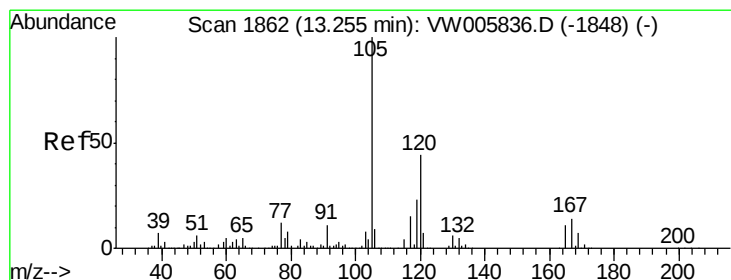
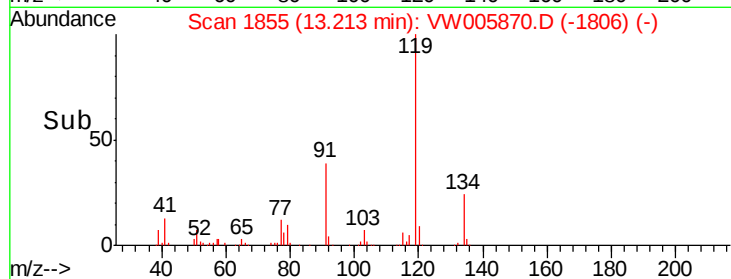
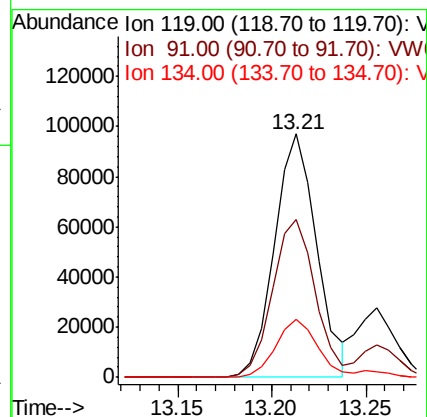
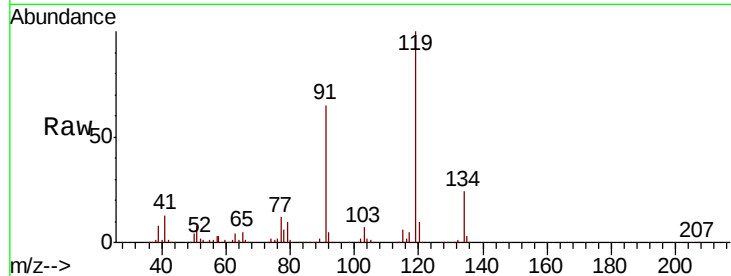




#83
tert-Butylbenzene
Concen: 21.933 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

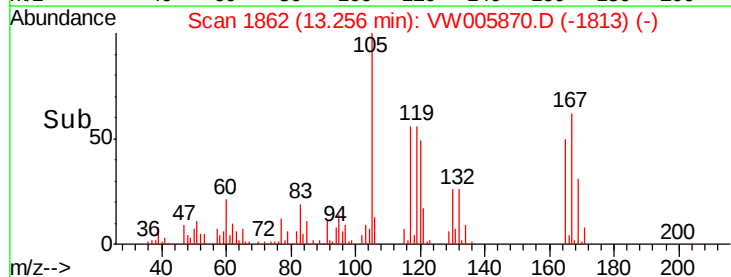
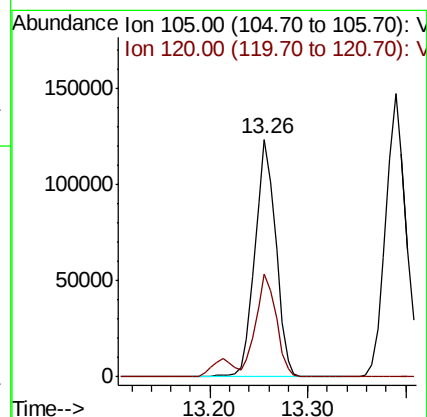
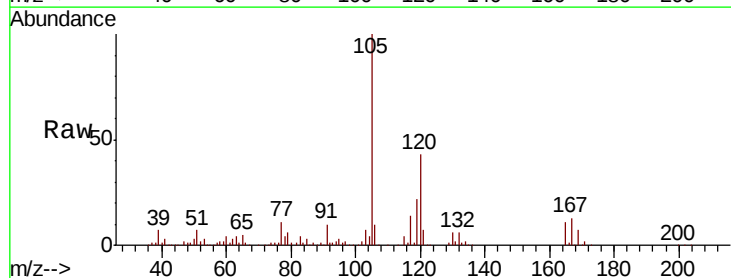
Instrument :
MSVOA_W
ClientSampleId :

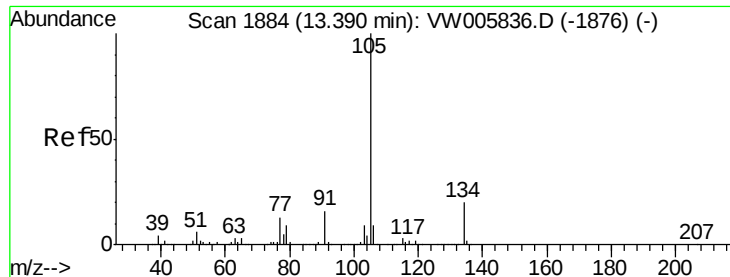
Tgt Ion:119 Resp: 150567
Ion Ratio Lower Upper
119 100
91 65.4 33.4 100.2
134 23.7 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 21.792 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion:105 Resp: 184190
Ion Ratio Lower Upper
105 100
120 42.4 21.9 65.7

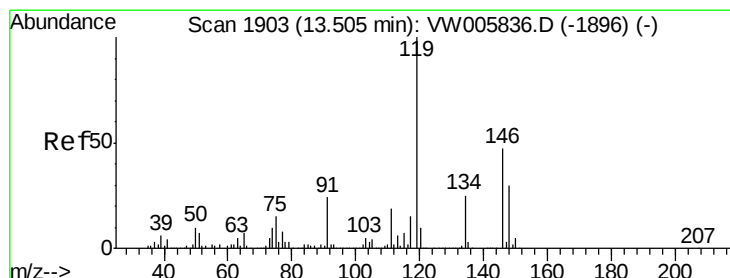
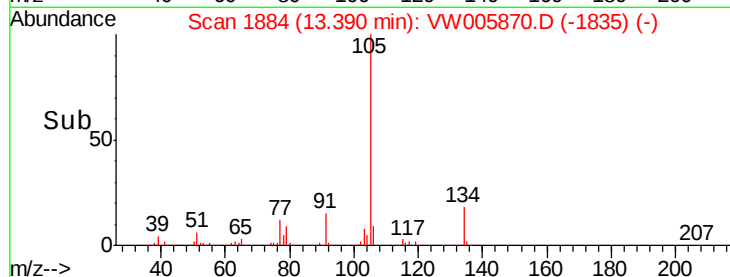
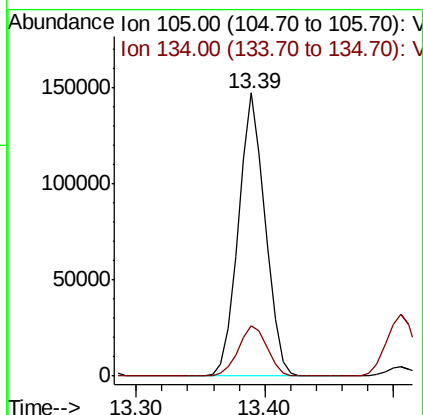
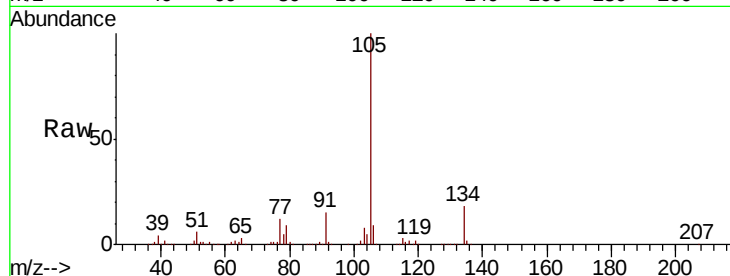




#85
 sec-Butylbenzene
 Concen: 21.347 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

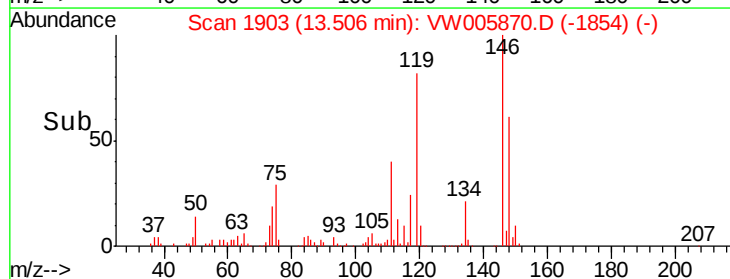
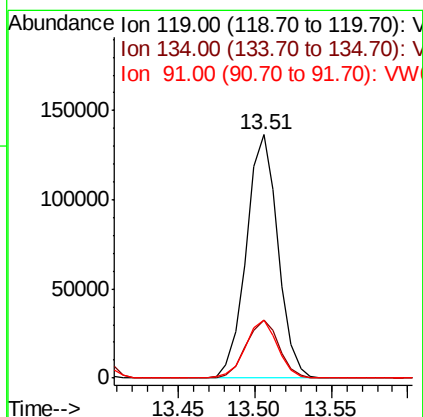
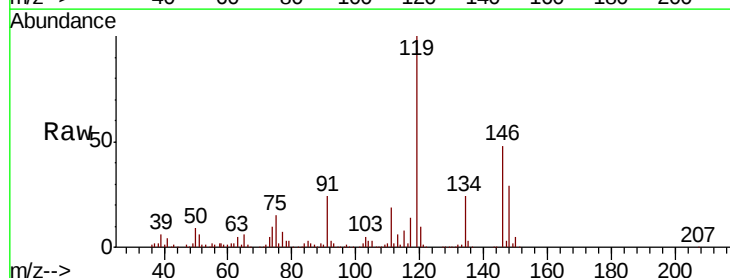
Instrument :
 MSVOA_W
 ClientSampleId :

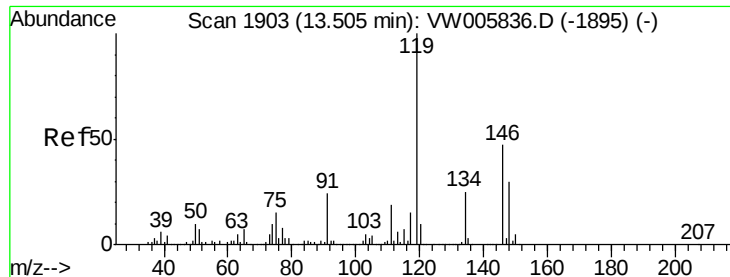
Tgt Ion:105 Resp: 211546
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 22.005 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion:119 Resp: 195737
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.7 38.0
 91 24.3 11.9 35.9

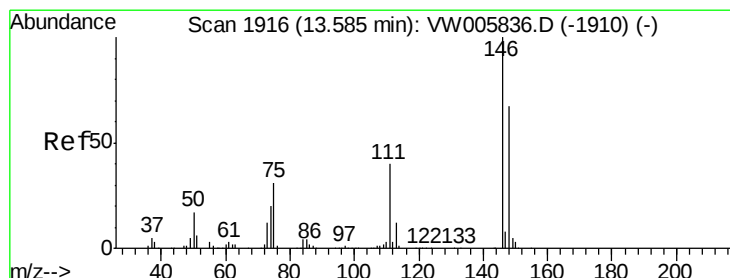
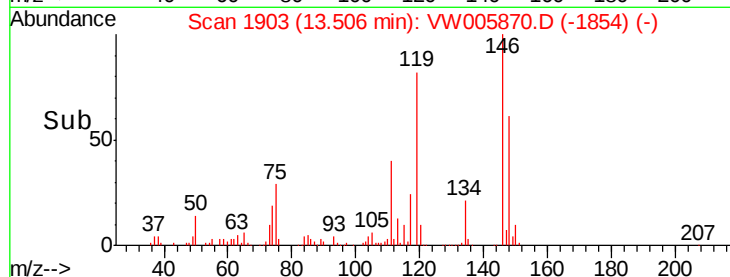
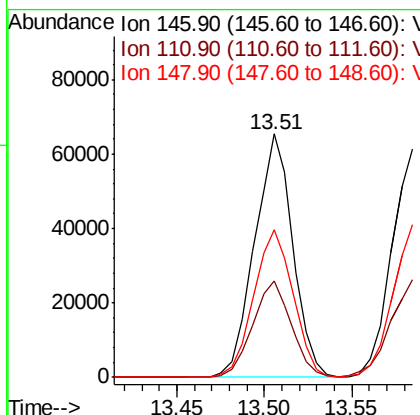
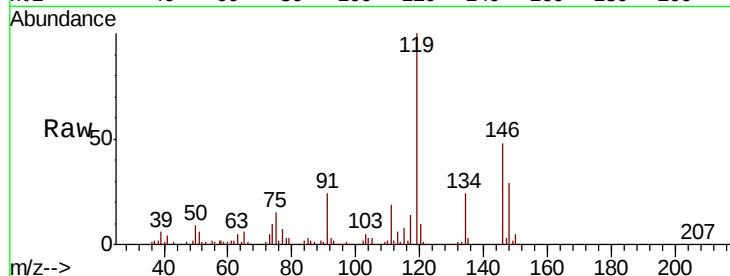




#87
 1,3-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

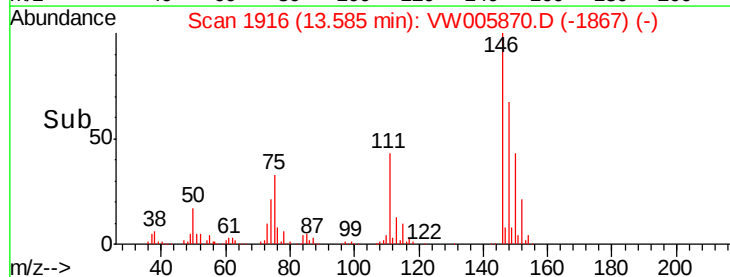
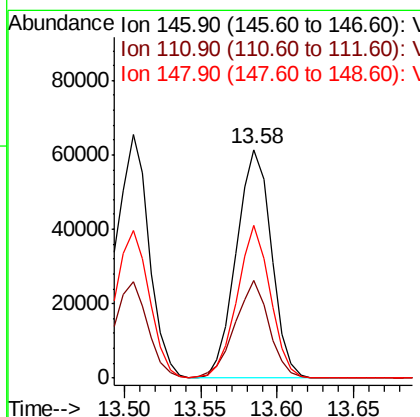
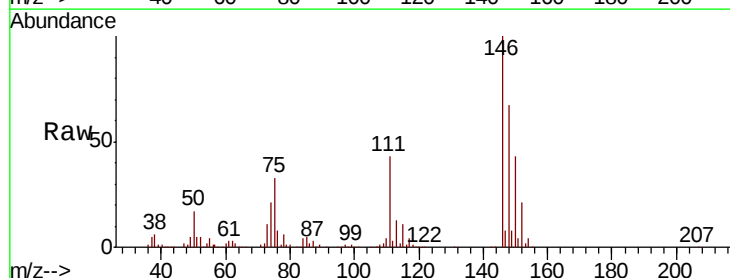
Instrument :
 MSVOA_W
 ClientSampleId :

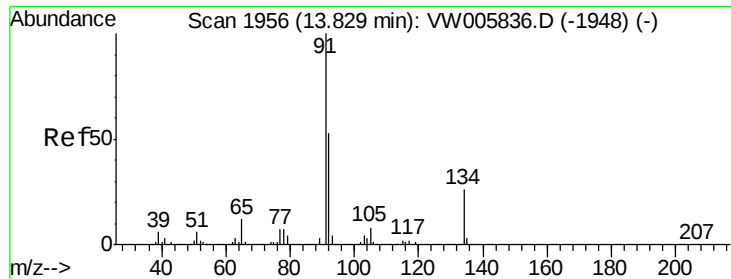
Tgt Ion:146 Resp: 99211
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.9 59.7
 148 62.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.837 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion:146 Resp: 98154
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.1
 148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 22.038 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005870.D

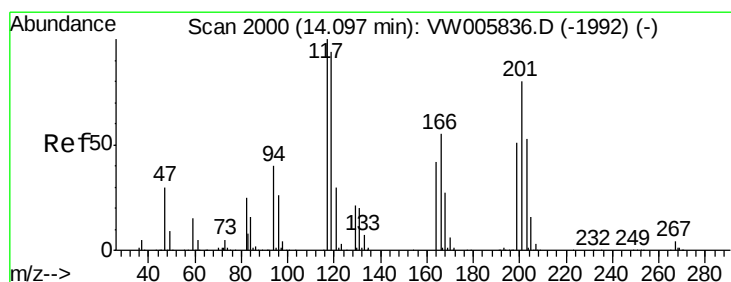
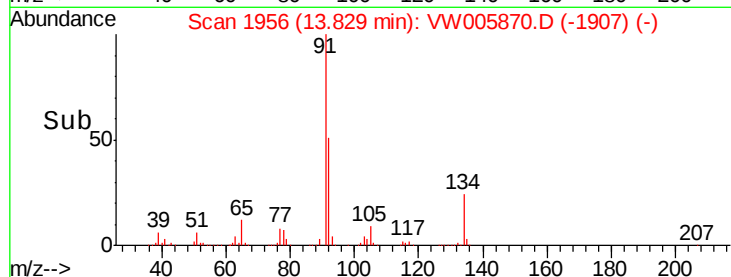
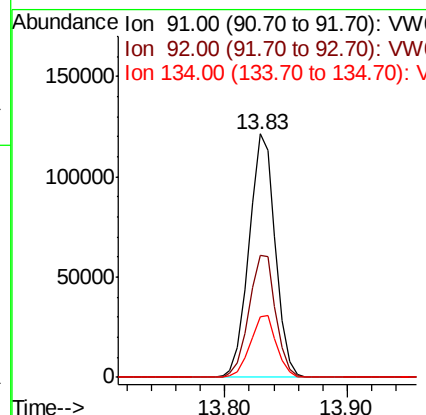
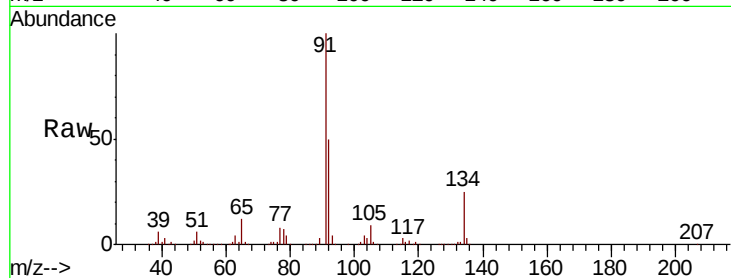
Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	91	Resp:	180541
Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.5
134	25.4	13.1	39.1



#90

Hexachloroethane

Concen: 21.420 ug/l

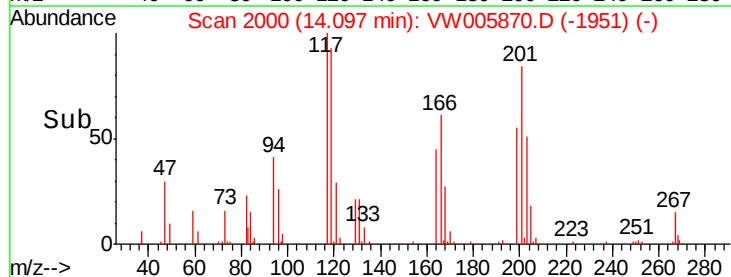
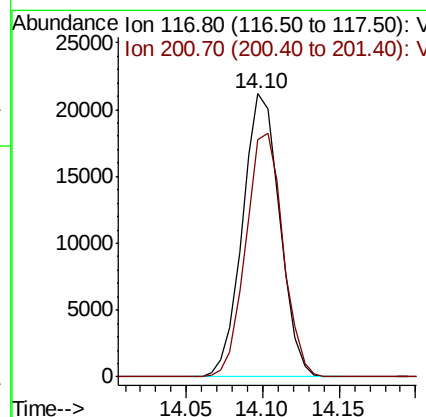
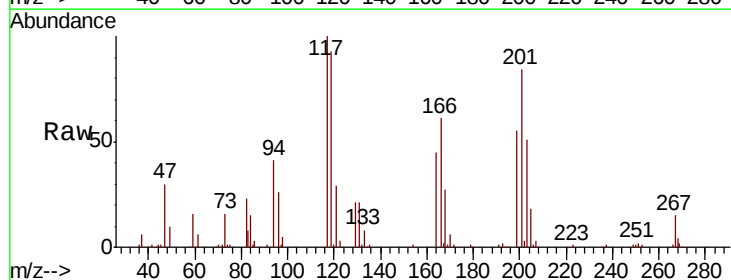
RT: 14.10 min Scan# 2000

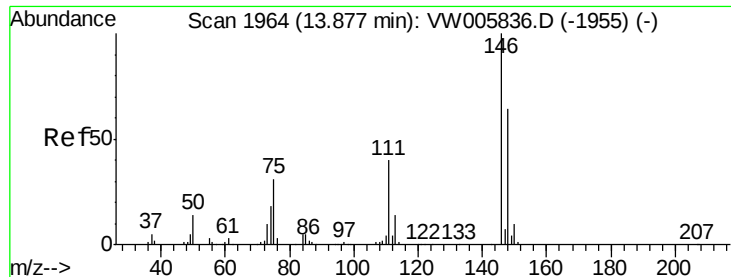
Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Tgt Ion:	117	Resp:	35825
Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.7	131.1





#91

1,2-Dichlorobenzene

Concen: 21.930 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

Instrument :

MSVOA_W

ClientSampleId :

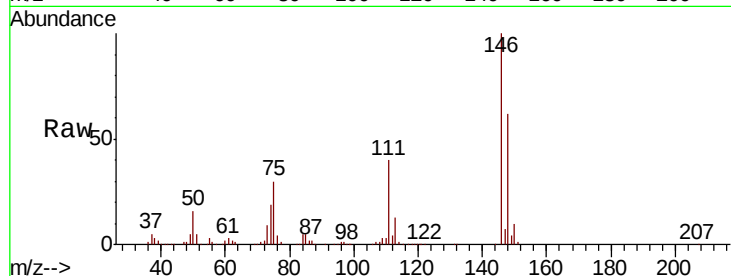
Tgt Ion:146 Resp: 93088

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

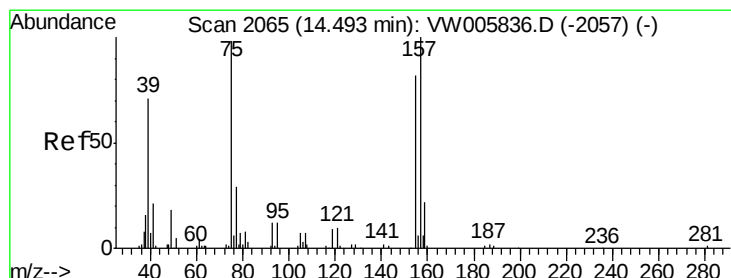
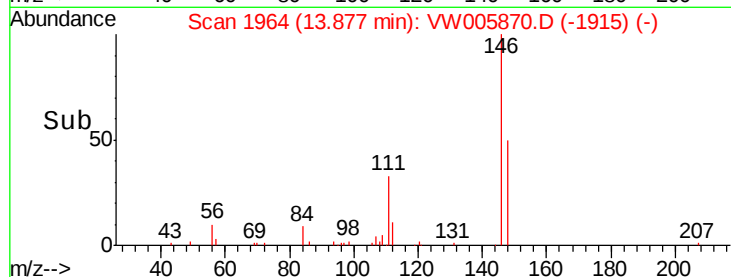
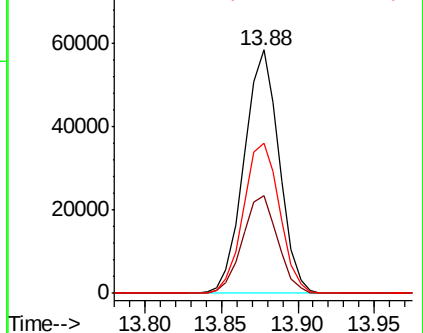
148 64.2 32.1 96.3



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: 22.542 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005870.D

Acq: 05 Oct 2018 00:56

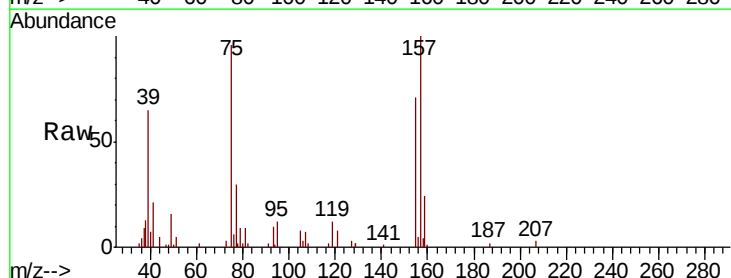
Tgt Ion: 75 Resp: 7088

Ion Ratio Lower Upper

75 100

155 79.1 41.3 123.9

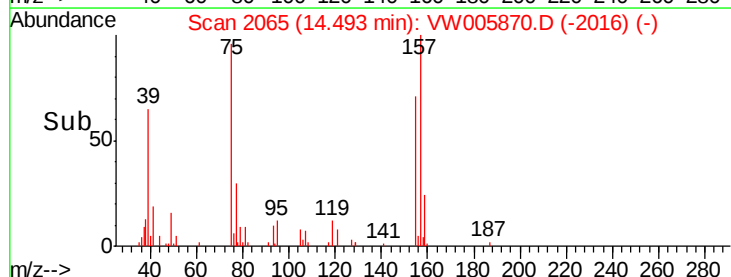
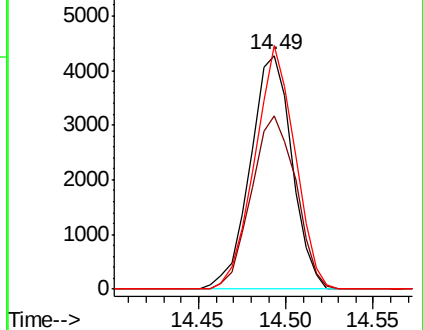
157 100.2 51.9 155.7

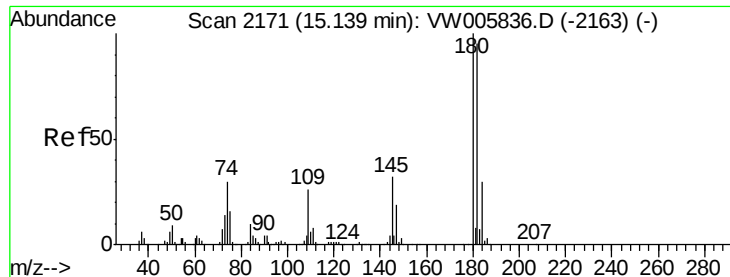


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

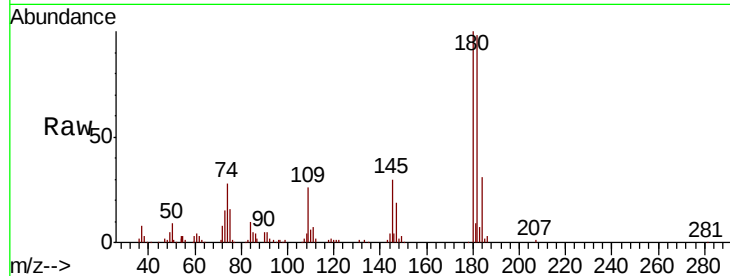




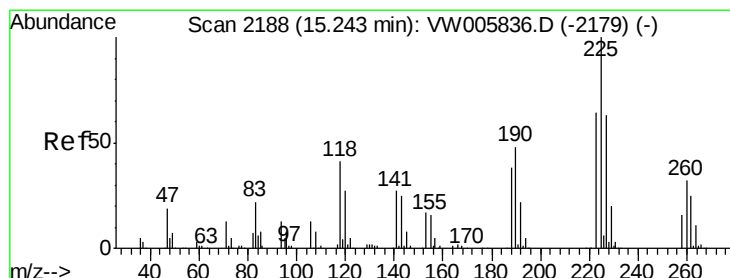
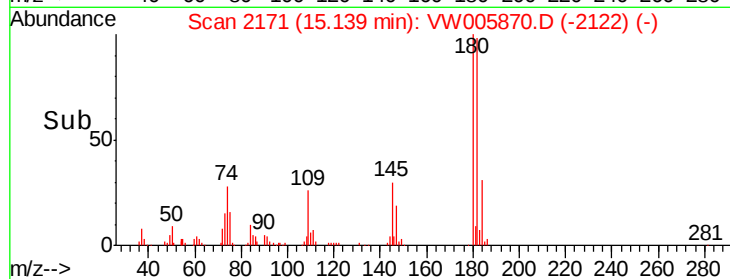
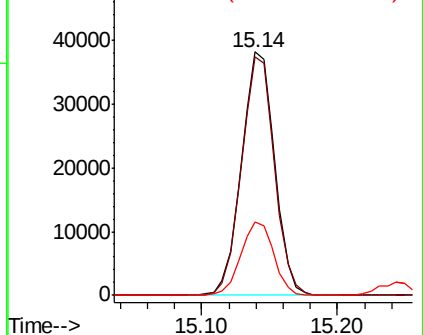
#93
 1,2,4-Trichlorobenzene
 Concen: 21.817 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Instrument :
 MSVOA_W
 ClientSampled :

Tgt Ion:180 Resp: 64720
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.6 142.8
 145 30.0 15.0 45.0

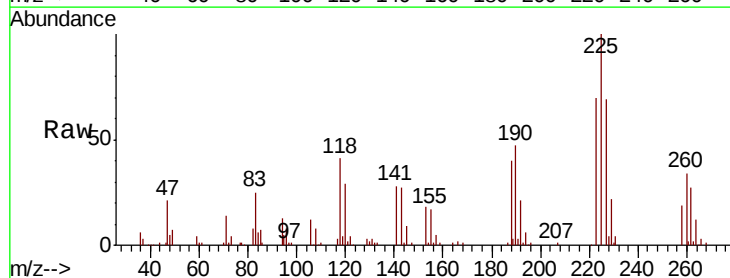


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

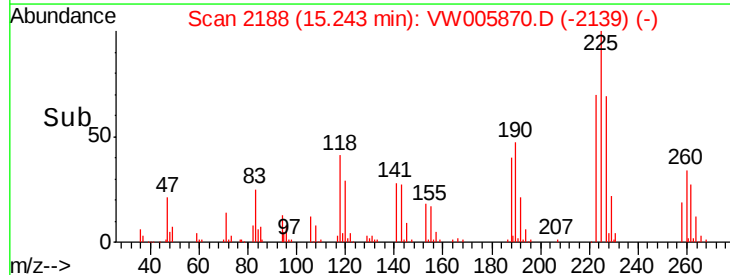
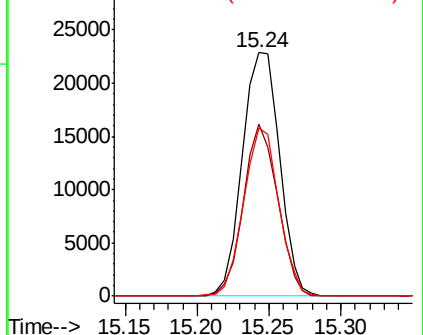


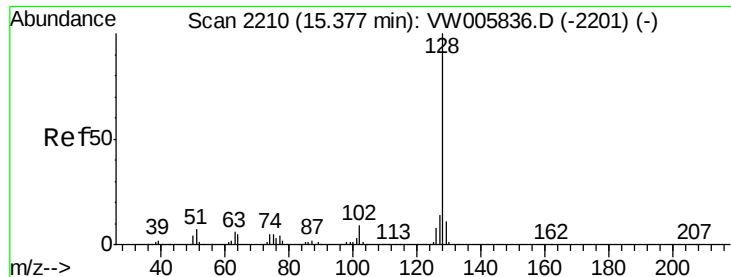
#94
 Hexachlorobutadiene
 Concen: 21.940 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005870.D
 Acq: 05 Oct 2018 00:56

Tgt Ion:225 Resp: 41155
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.2 93.6
 227 65.0 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

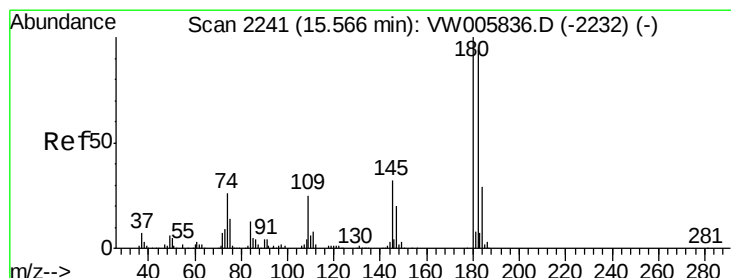
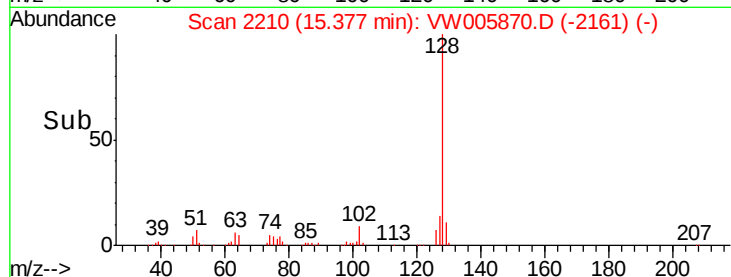
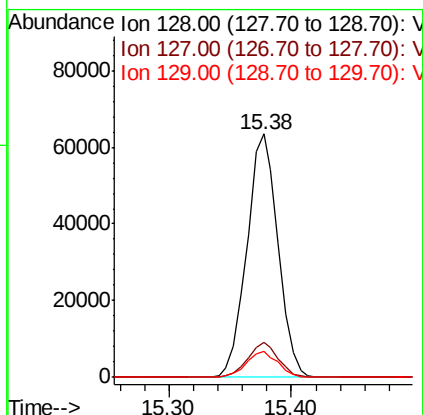
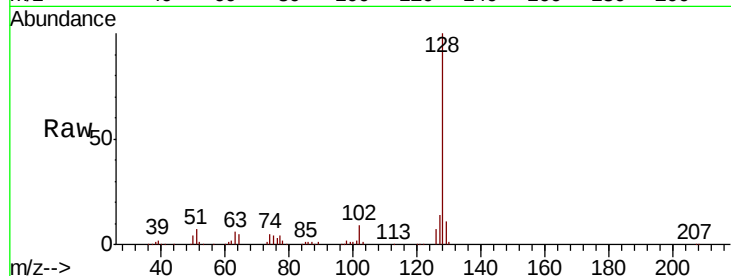




#95
Naphthalene
Concen: 21.214 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 112283
Ion Ratio Lower Upper
128 100
127 13.9 10.9 16.3
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.985 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005870.D
Acq: 05 Oct 2018 00:56

Tgt Ion:180 Resp: 58634
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 30.7 16.1 48.2

