

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007707.D
 Acq On : 19 Dec 2018 18:44
 Operator : SY/AP
 Sample : VW1221SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

Quant Time: Dec 20 06:49:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59303	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	44150	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.88	113	39187	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.32	98	148913	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	56764	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13775	19.829	ug/l	98
3) Chloromethane	2.21	50	8807	20.646	ug/l	98
4) Vinyl Chloride	2.36	62	10905	20.082	ug/l	92
5) Bromomethane	2.78	94	7621	20.150	ug/l	95
6) Chloroethane	2.92	64	5683	19.562	ug/l	99
7) Trichlorofluoromethane	3.26	101	10286	18.194	ug/l	96
8) Diethyl Ether	3.68	74	7290	21.053	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16149	19.396	ug/l	97
10) Methyl Iodide	4.26	142	25839	19.515	ug/l	99
11) Tert butyl alcohol	5.17	59	6474	112.051	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	15449	20.038	ug/l	99
13) Acrolein	3.89	56	4691	101.545	ug/l	93
14) Allyl chloride	4.66	41	20299	20.077	ug/l	99
15) Acrylonitrile	5.37	53	14335	97.049	ug/l	100
16) Acetone	4.12	43	15123	94.291	ug/l	98
17) Carbon Disulfide	4.37	76	45952	19.260	ug/l	98
18) Methyl Acetate	4.67	43	7348	19.264	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	22933	20.719	ug/l	98
20) Methylene Chloride	4.90	84	18391	19.022	ug/l #	95
21) trans-1,2-Dichloroethene	5.42	96	16883	19.911	ug/l	96
22) Diisopropyl ether	6.31	45	38451	20.311	ug/l	95
23) Vinyl Acetate	6.25	43	112578	100.090	ug/l	100
24) 1,1-Dichloroethane	6.21	63	27703	19.892	ug/l	99
25) 2-Butanone	7.17	43	17653	93.969	ug/l	96
26) 2,2-Dichloropropane	7.16	77	20987	20.593	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18260	20.213	ug/l	99
28) Bromochloromethane	7.51	49	9585	20.185	ug/l	93
29) Tetrahydrofuran	7.53	42	10697	95.462	ug/l	98
30) Chloroform	7.67	83	31933	20.261	ug/l	100
31) Cyclohexane	7.95	56	25007	19.613	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	29093	20.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24090	19.917	ug/l	99
37) Ethyl Acetate	7.25	43	8185	19.609	ug/l	99
38) Carbon Tetrachloride	8.07	117	27733	19.470	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007707.D
 Acq On : 19 Dec 2018 18:44
 Operator : SY/AP
 Sample : VW1221SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

Quant Time: Dec 20 06:49:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30203	20.096	ug/l	99
40) Benzene	8.32	78	65520	20.300	ug/l	98
41) Methacrylonitrile	7.48	41	4609	19.448	ug/l	96
42) 1,2-Dichloroethane	8.40	62	21582	19.954	ug/l	100
43) Isopropyl Acetate	8.43	43	16502	19.733	ug/l	97
44) Trichloroethene	9.09	130	19409	19.885	ug/l	96
45) 1,2-Dichloropropane	9.37	63	14666	20.479	ug/l	98
46) Dibromomethane	9.46	93	8964	20.334	ug/l	95
47) Bromodichloromethane	9.65	83	22736	19.618	ug/l	99
48) Methyl methacrylate	9.44	41	7741	18.545	ug/l	96
49) 1,4-Dioxane	9.45	88	2664	381.148	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	37454	94.768	ug/l	100
52) Toluene	10.39	92	44668	20.628	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	22958	19.916	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	25751	20.224	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	12442	20.472	ug/l	96
56) Ethyl methacrylate	10.65	69	14191	19.763	ug/l	99
57) 1,3-Dichloropropane	10.93	76	19933	19.752	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	33052	100.816	ug/l	97
59) 2-Hexanone	10.97	43	26678	95.983	ug/l	98
60) Dibromochloromethane	11.13	129	15778	19.607	ug/l	99
61) 1,2-Dibromoethane	11.23	107	11894	19.326	ug/l	99
64) Tetrachloroethene	10.87	164	15653	19.519	ug/l	96
65) Chlorobenzene	11.66	112	50062	20.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17969	20.516	ug/l	99
67) Ethyl Benzene	11.73	91	85624	20.357	ug/l	96
68) m/p-Xylenes	11.84	106	66547	40.786	ug/l	99
69) o-Xylene	12.17	106	31331	20.485	ug/l	99
70) Styrene	12.18	104	51851	20.624	ug/l	99
71) Bromoform	12.35	173	8891	19.555	ug/l #	99
73) Isopropylbenzene	12.47	105	89253	19.911	ug/l	99
74) N-amyl acetate	12.27	43	14986	19.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	12769	18.999	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18310	39.947	ug/l #	100
77) Bromobenzene	12.75	156	20839	20.285	ug/l	95
78) n-propylbenzene	12.81	91	103786	19.890	ug/l	100
79) 2-Chlorotoluene	12.90	91	60346	19.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	77903	20.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4104	18.795	ug/l	98
82) 4-Chlorotoluene	12.99	91	63083	19.490	ug/l	98
83) tert-Butylbenzene	13.21	119	67582	19.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	78692	20.169	ug/l	100
85) sec-Butylbenzene	13.39	105	93089	19.909	ug/l	100
86) p-Isopropyltoluene	13.51	119	85418	20.090	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40327	19.771	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40666	19.931	ug/l	99
89) n-Butylbenzene	13.83	91	78956	20.254	ug/l	99
90) Hexachloroethane	14.10	117	14177	18.993	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	36516	19.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2503	18.134	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
Data File : VW007707.D
Acq On : 19 Dec 2018 18:44
Operator : SY/AP
Sample : VW1221SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Quant Time: Dec 20 06:49:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

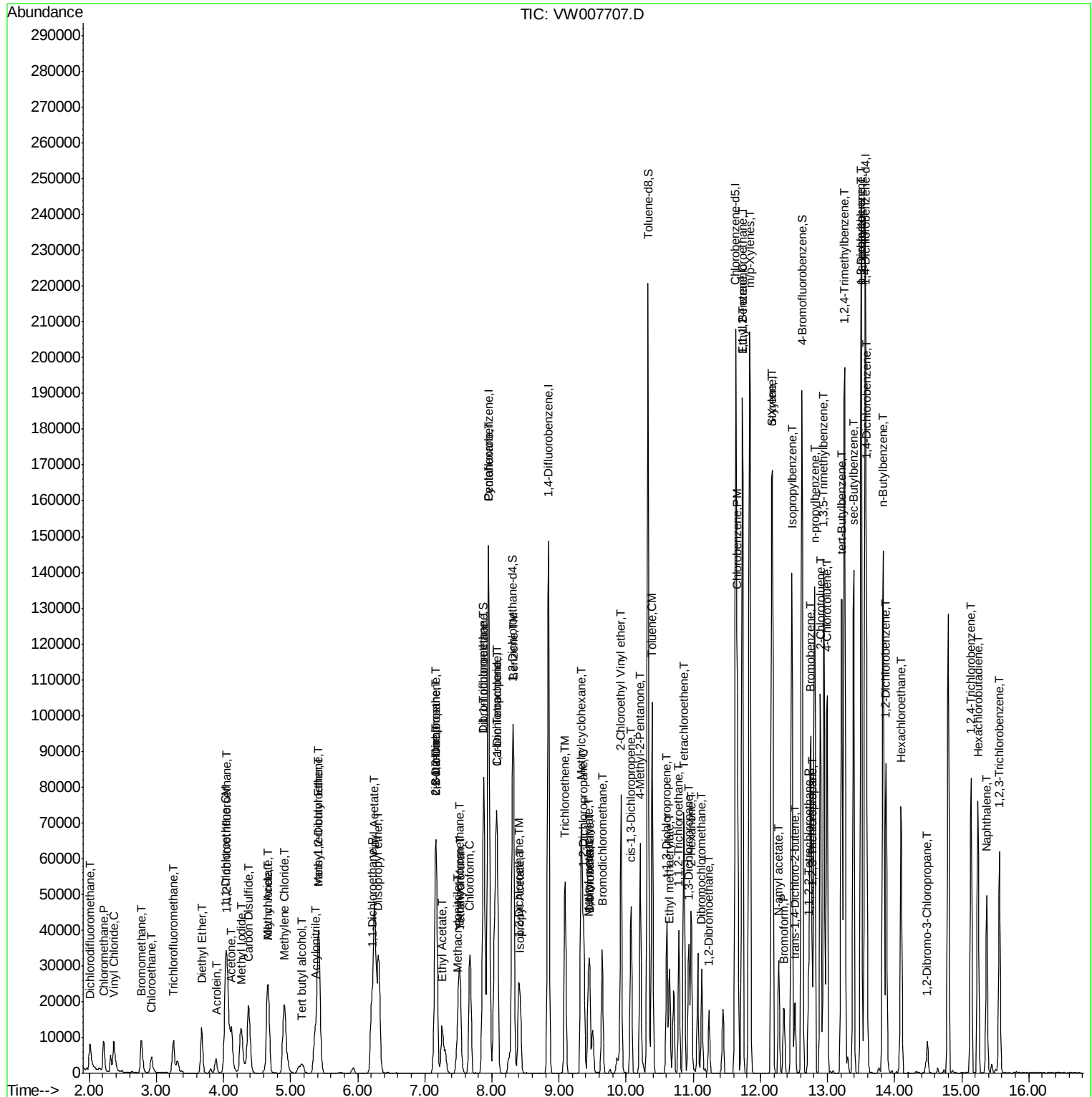
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24795	19.559	ug/l	100
94) Hexachlorobutadiene	15.24	225	13388	19.762	ug/l	99
95) Naphthalene	15.38	128	44506	18.989	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	21005	19.357	ug/l	99

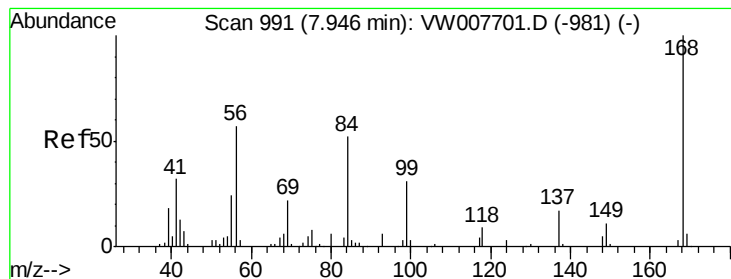
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
Data File : VW007707.D
Acq On : 19 Dec 2018 18:44
Operator : SY/AP
Sample : VW1221SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Quant Time: Dec 20 06:49:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

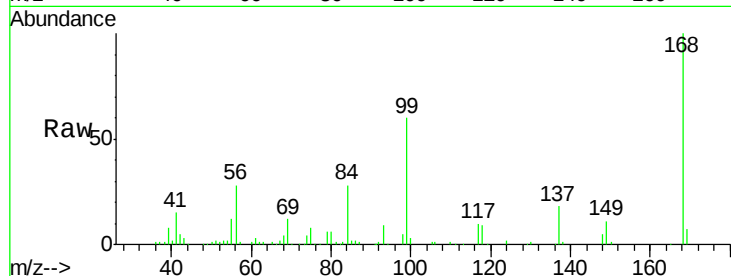
VW1221SBS01

Tgt Ion:168 Resp: 78144

Ion Ratio Lower Upper

168 100

99 60.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

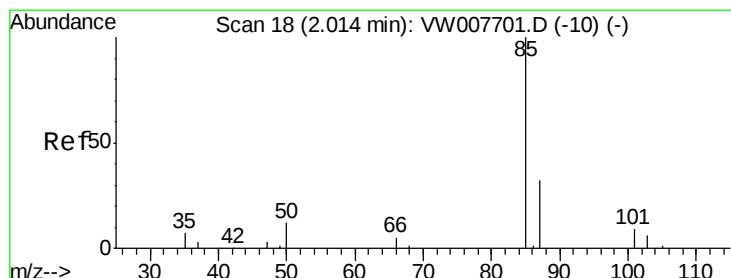
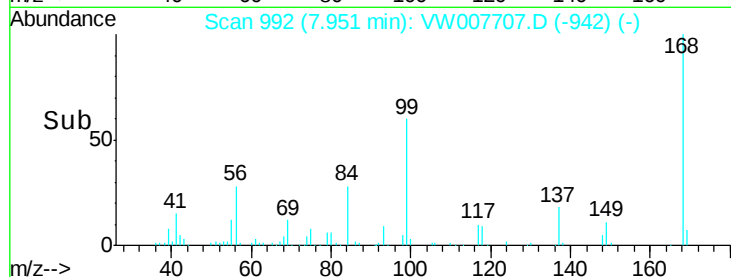
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.829 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007707.D

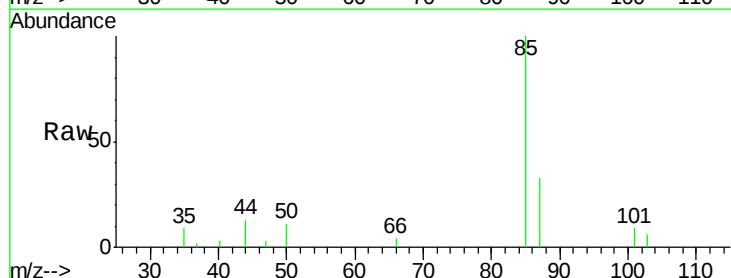
Acq: 19 Dec 2018 18:44

Tgt Ion: 85 Resp: 13775

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

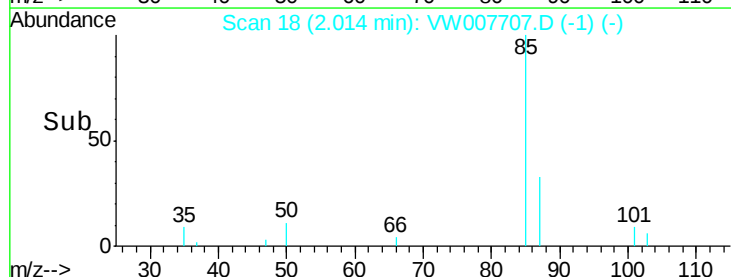
2000

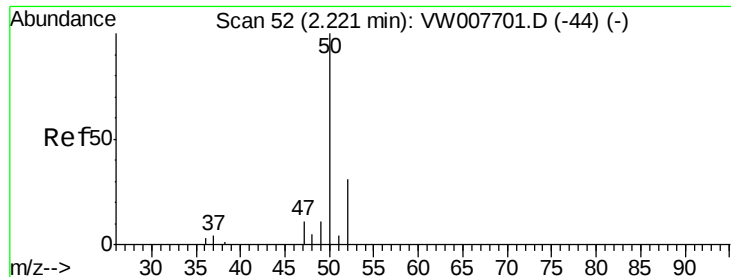
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.646 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

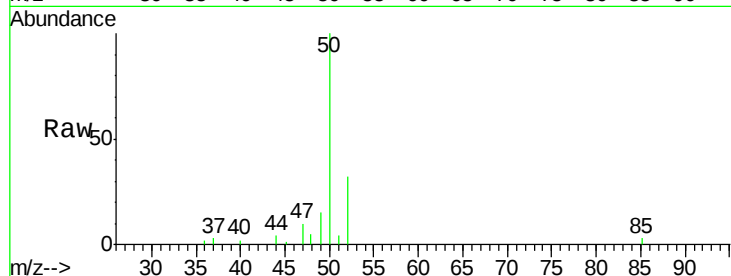
VW1221SBS01

Tgt Ion: 50 Resp: 8807

Ion Ratio Lower Upper

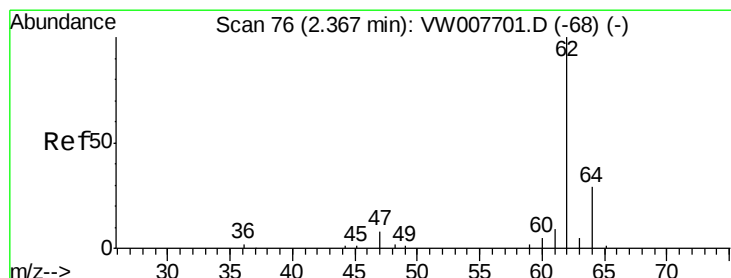
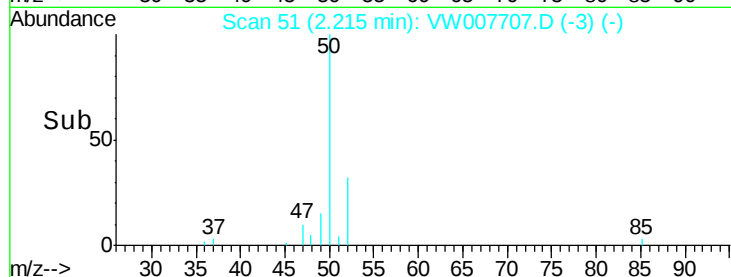
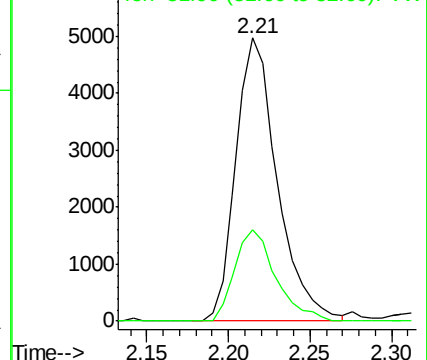
50 100

52 32.3 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.082 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007707.D

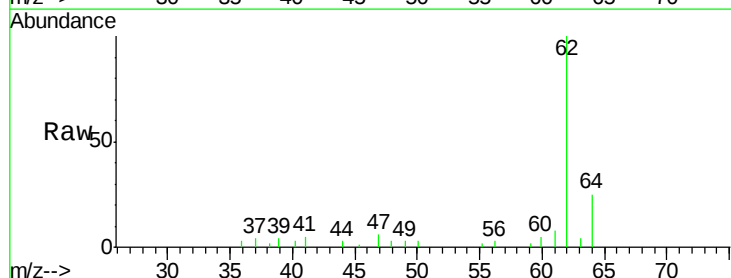
Acq: 19 Dec 2018 18:44

Tgt Ion: 62 Resp: 10905

Ion Ratio Lower Upper

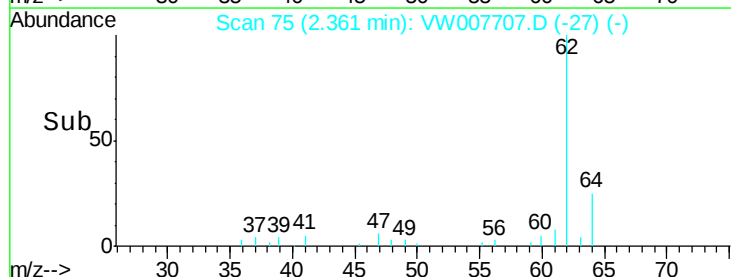
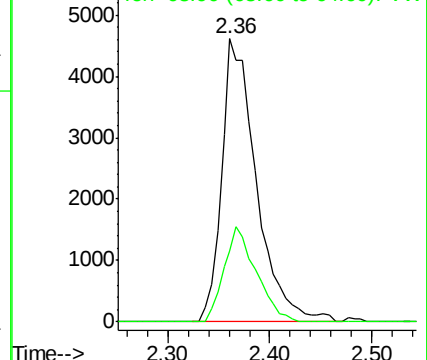
62 100

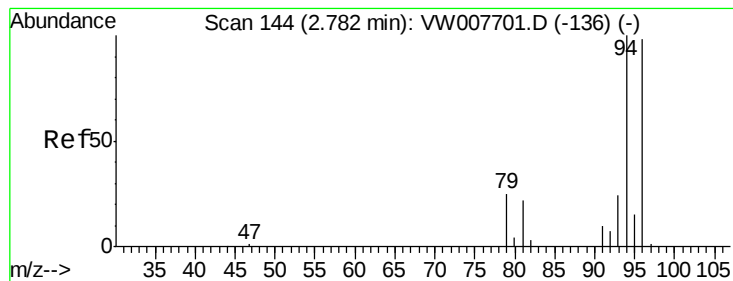
64 25.0 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.150 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

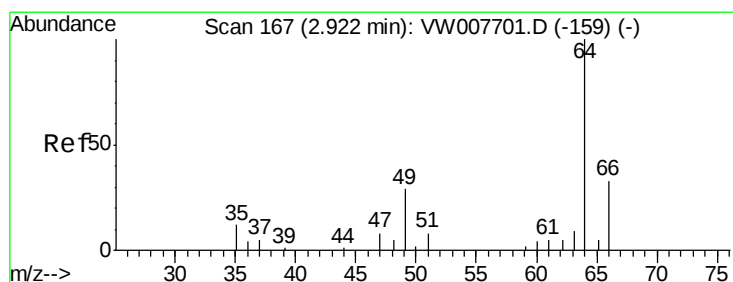
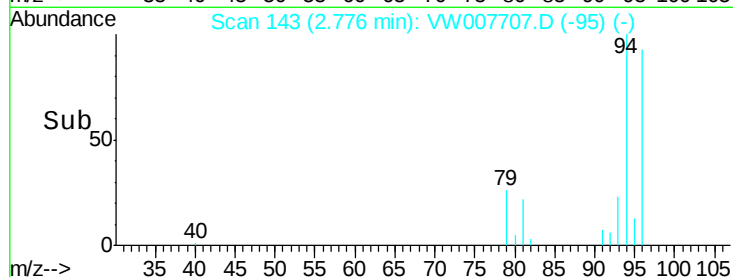
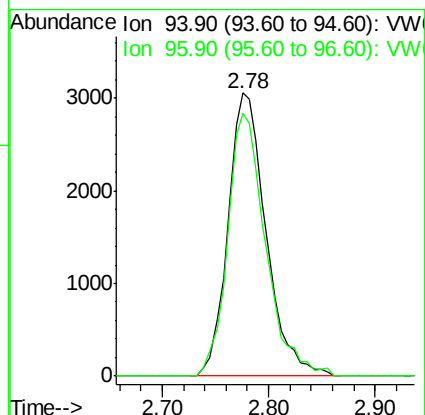
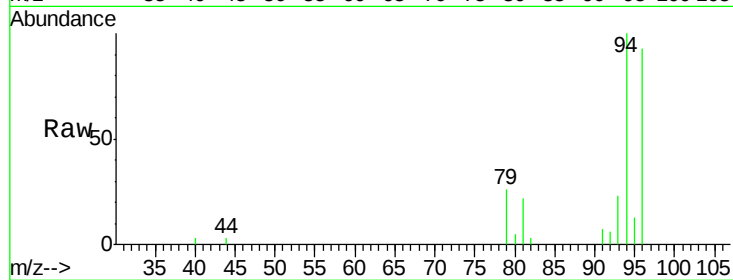
VW1221SBS01

Tgt Ion: 94 Resp: 7621

Ion Ratio Lower Upper

94 100

96 92.7 78.2 117.2



#6

Chloroethane

Concen: 19.562 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007707.D

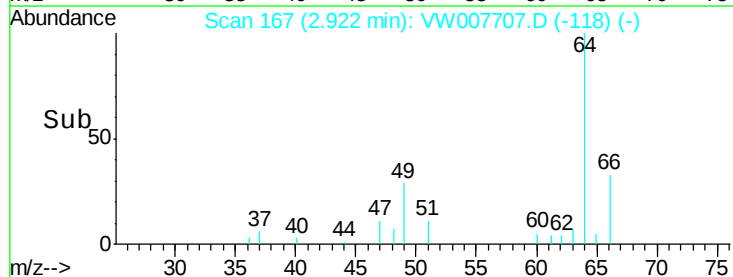
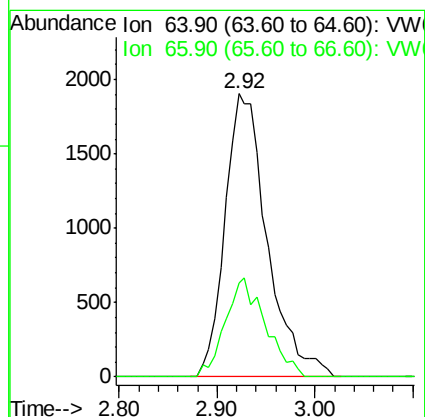
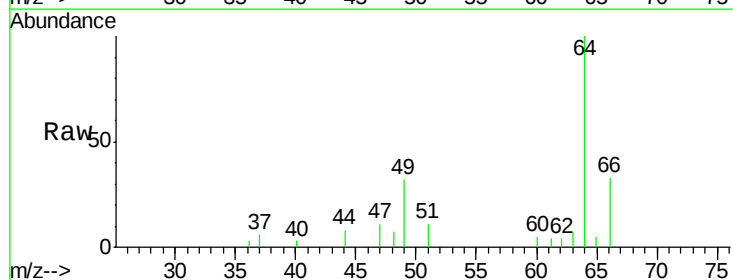
Acq: 19 Dec 2018 18:44

Tgt Ion: 64 Resp: 5683

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.4



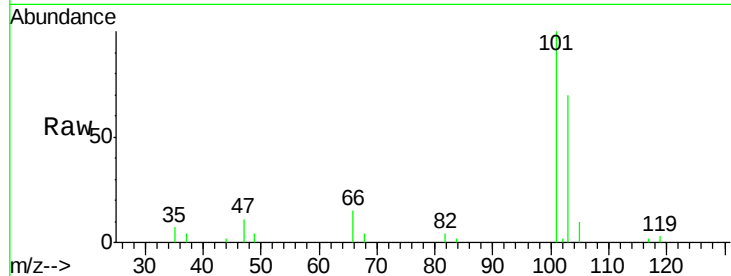


#7

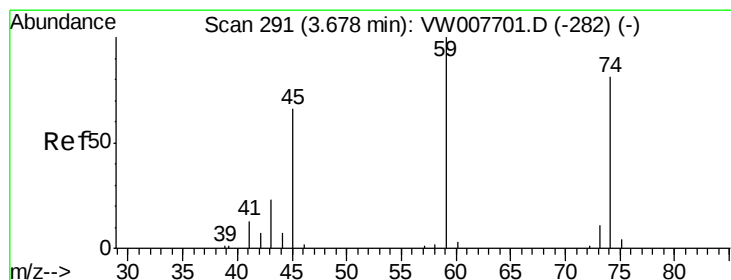
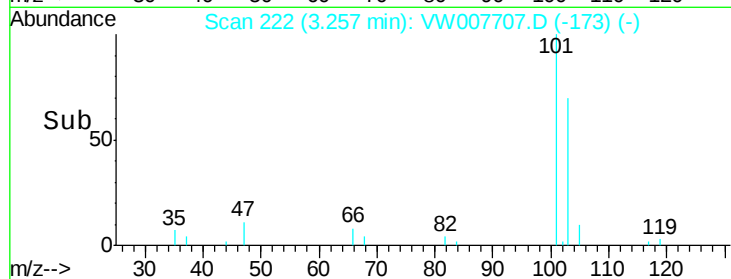
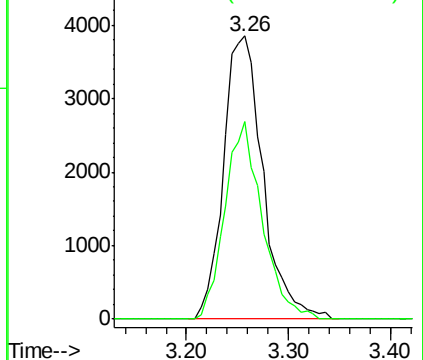
Trichlorofluoromethane
 Concen: 18.194 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

Tgt Ion: 101 Resp: 10286
 Ion Ratio Lower Upper
 101 100
 103 69.9 53.4 80.2



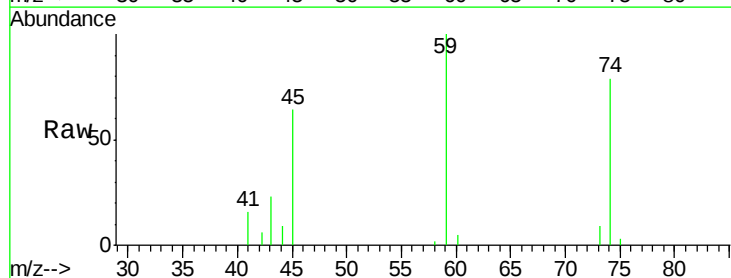
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



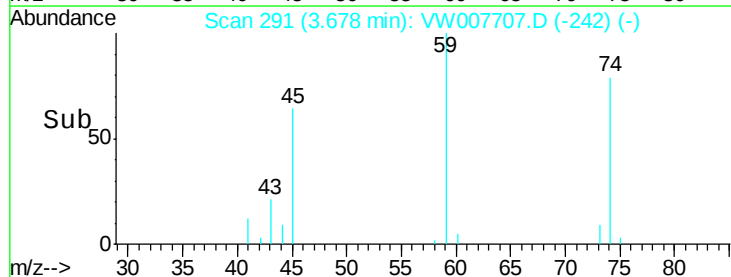
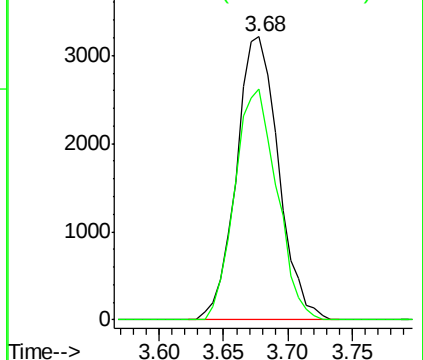
#8

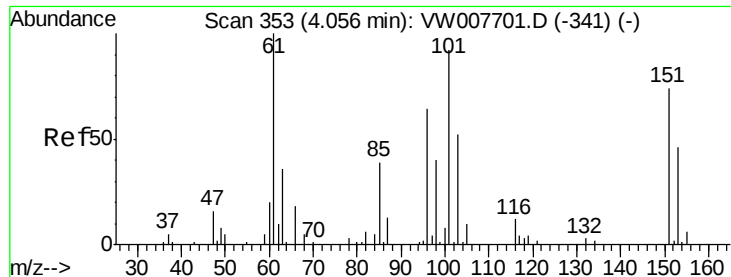
Diethyl Ether
 Concen: 21.053 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 74 Resp: 7290
 Ion Ratio Lower Upper
 74 100
 45 81.4 39.4 118.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.396 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

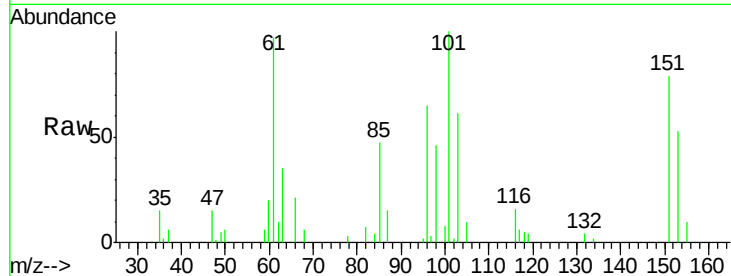
Tgt Ion:101 Resp: 16149

Ion Ratio Lower Upper

101 100

85 39.4 34.3 51.5

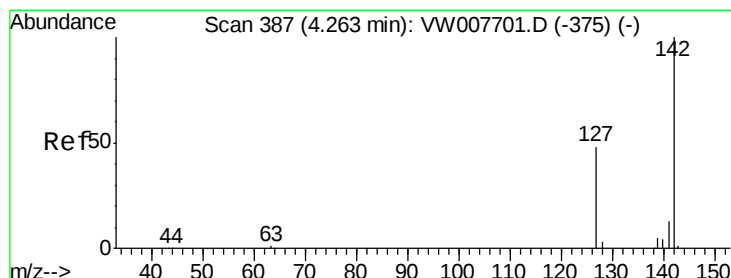
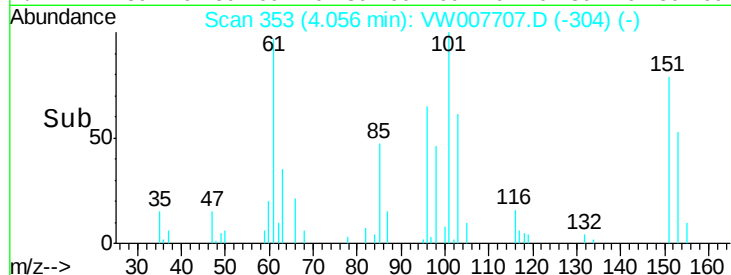
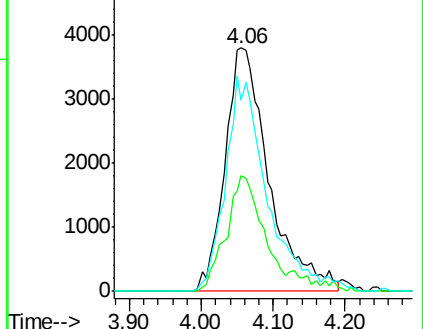
151 81.6 64.6 96.8



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: 19.515 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

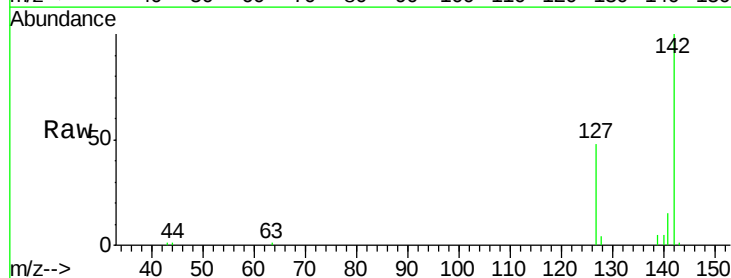
Tgt Ion:142 Resp: 25839

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

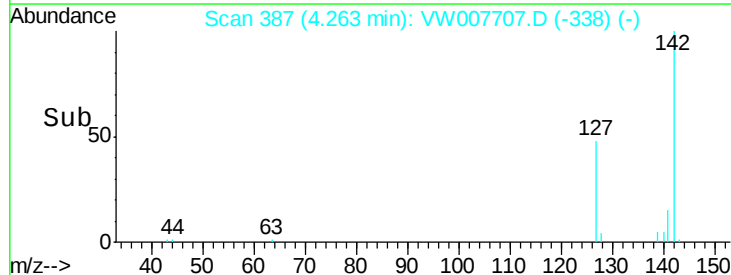
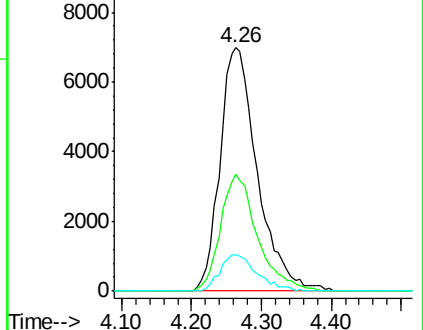
141 14.8 11.5 17.3

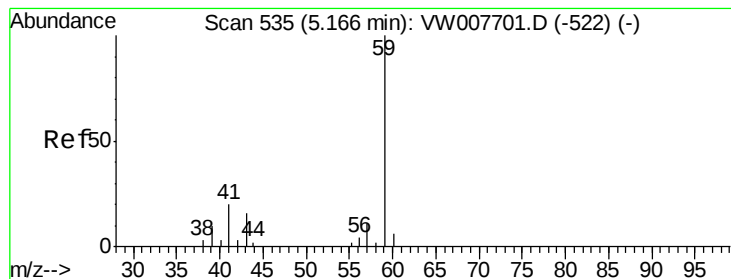


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



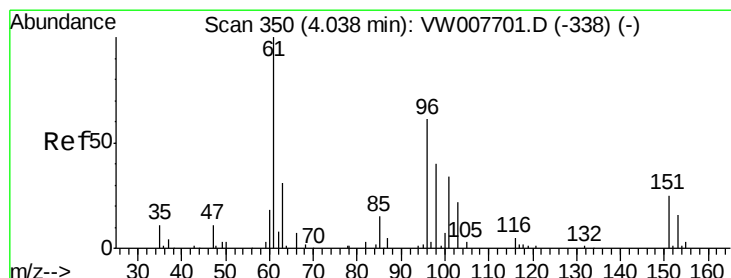
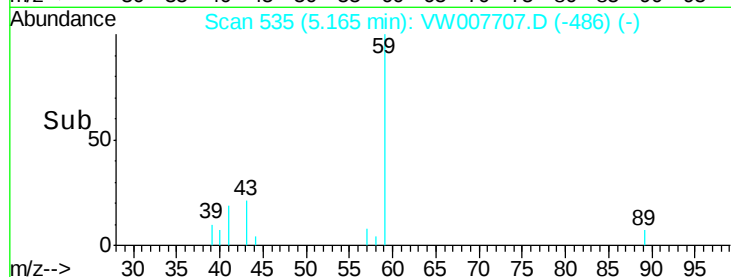
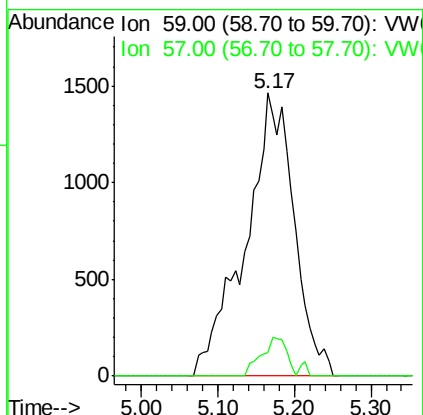
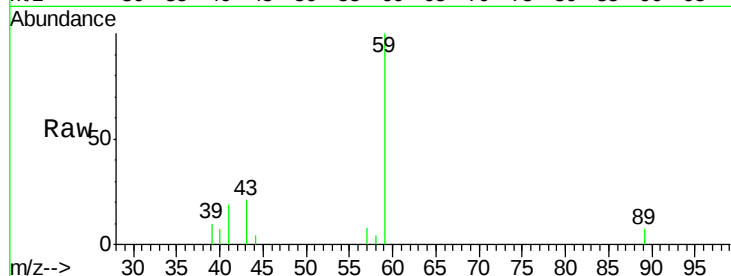


#11

Tert butyl alcohol
 Concen: 112.051 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

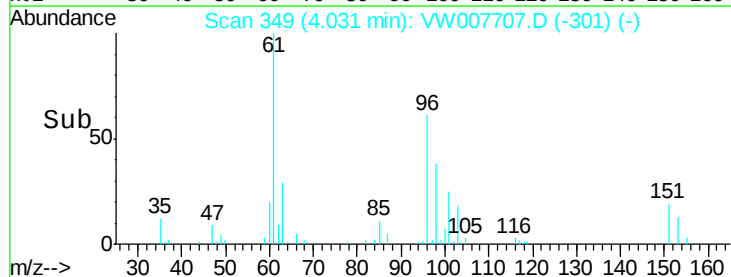
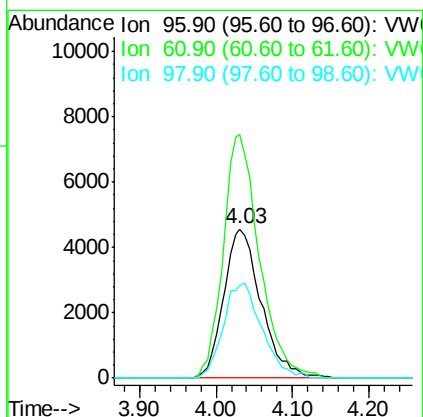
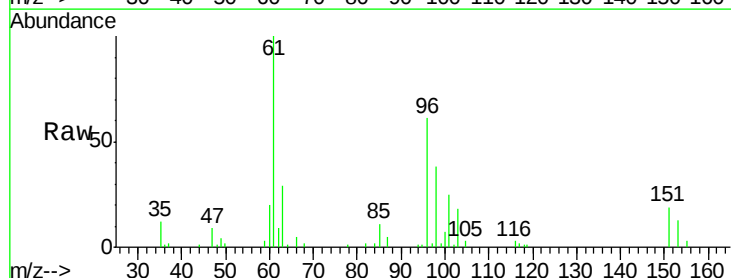
Tgt Ion: 59 Resp: 6474
 Ion Ratio Lower Upper
 59 100
 57 7.1 7.8 11.8#

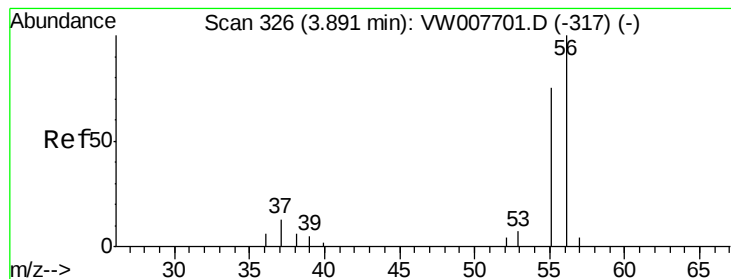


#12

1,1-Dichloroethene
 Concen: 20.038 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 96 Resp: 15449
 Ion Ratio Lower Upper
 96 100
 61 163.1 130.6 195.8
 98 62.1 52.3 78.5





#13

Acrolein

Concen: 101.545 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

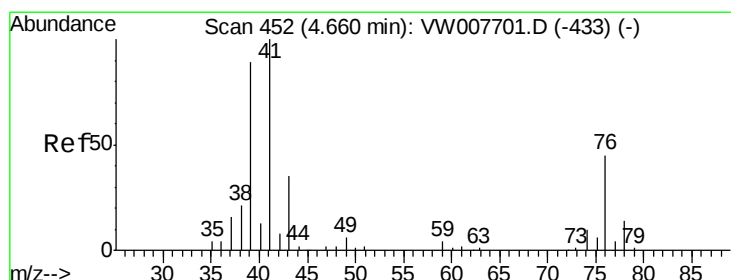
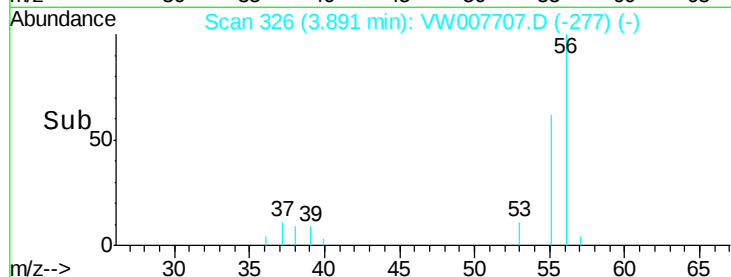
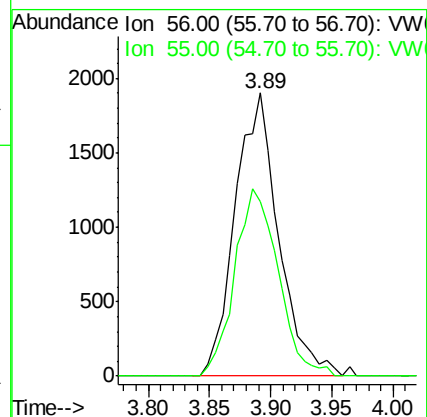
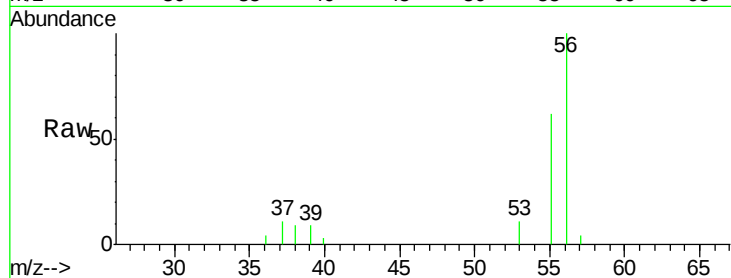
VW1221SBS01

Tgt Ion: 56 Resp: 4691

Ion Ratio Lower Upper

56 100

55 66.1 57.7 86.5



#14

Allyl chloride

Concen: 20.077 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

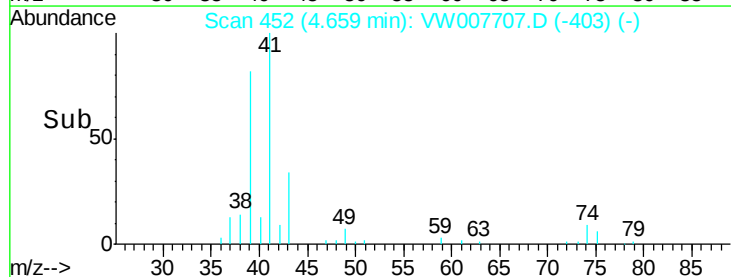
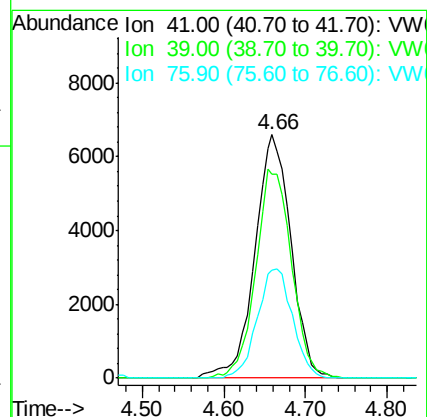
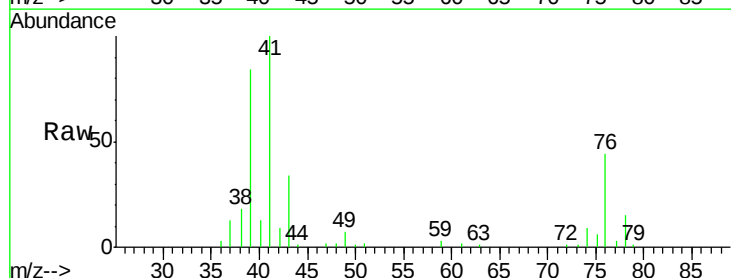
Tgt Ion: 41 Resp: 20299

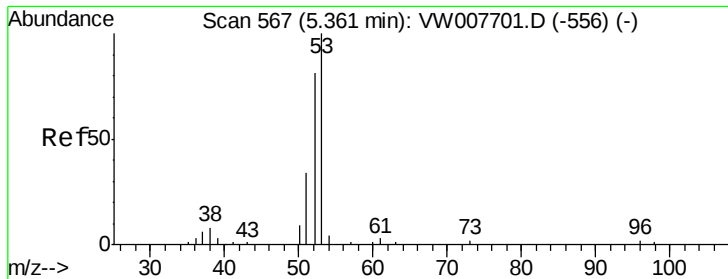
Ion Ratio Lower Upper

41 100

39 85.5 69.5 104.3

76 43.8 34.8 52.2





#15

Acrylonitrile

Concen: 97.049 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

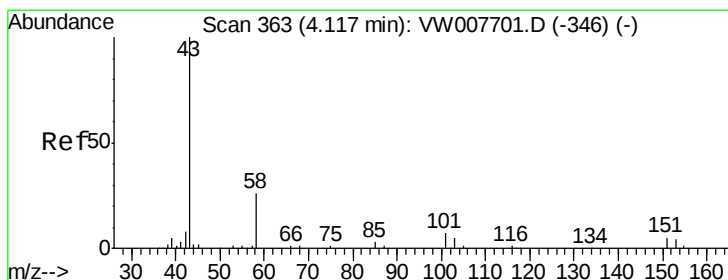
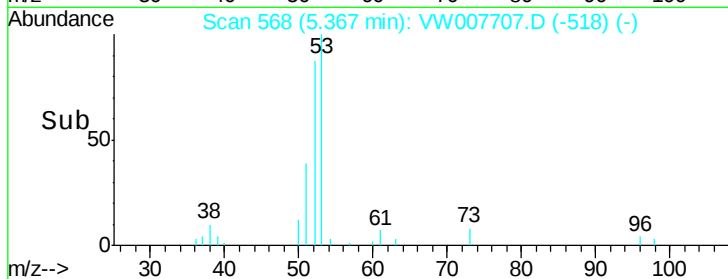
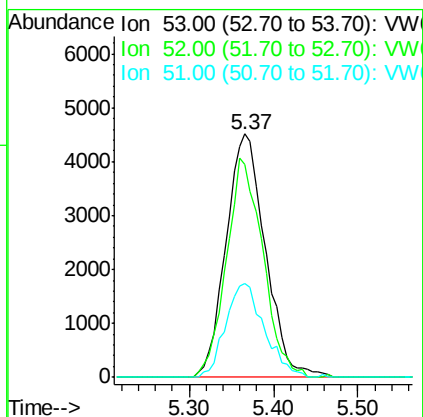
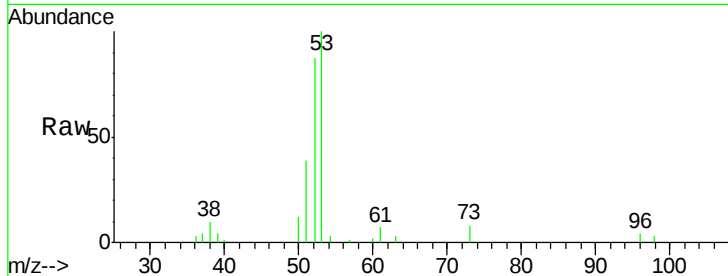
Tgt Ion: 53 Resp: 14335

Ion Ratio Lower Upper

53 100

52 83.5 67.0 100.4

51 38.0 30.2 45.2



#16

Acetone

Concen: 94.291 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007707.D

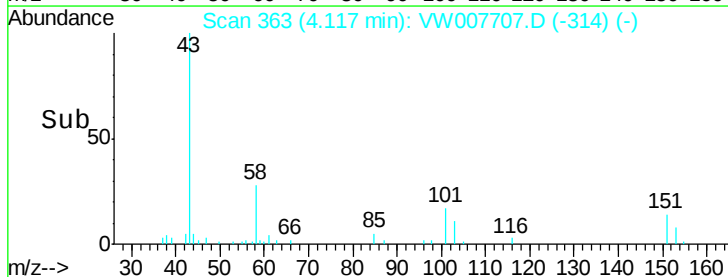
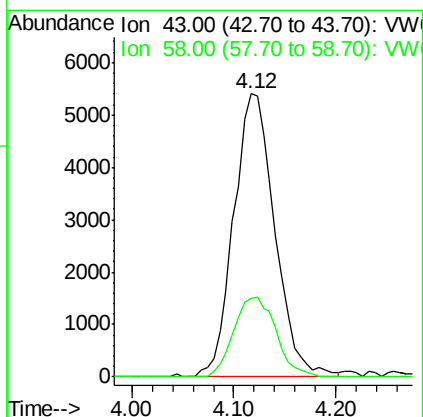
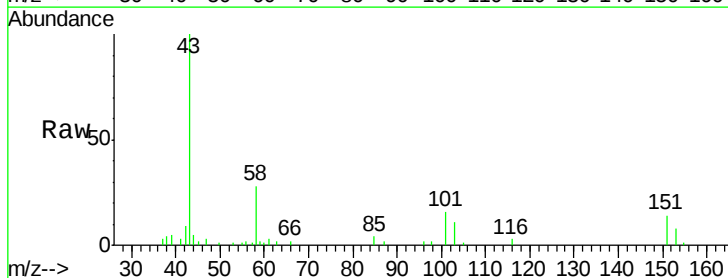
Acq: 19 Dec 2018 18:44

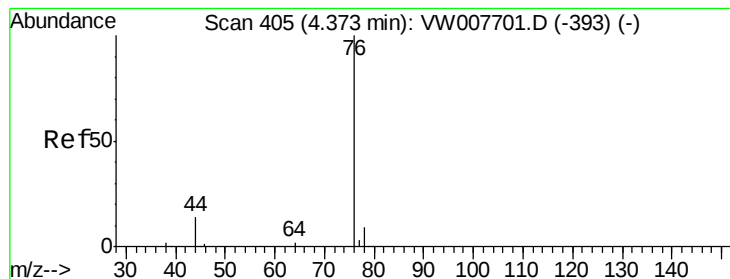
Tgt Ion: 43 Resp: 15123

Ion Ratio Lower Upper

43 100

58 27.7 21.2 31.8





#17

Carbon Disulfide

Concen: 19.260 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

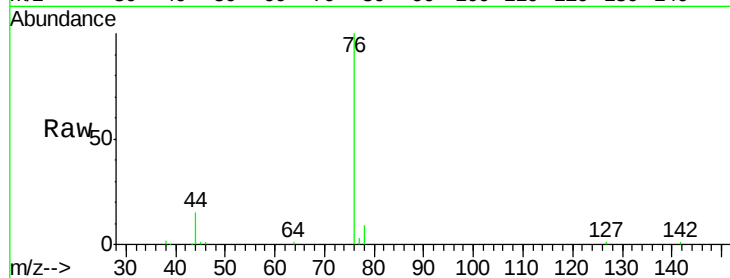
VW1221SBS01

Tgt Ion: 76 Resp: 45952

Ion Ratio Lower Upper

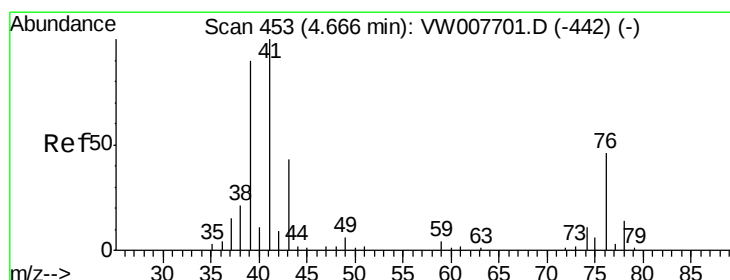
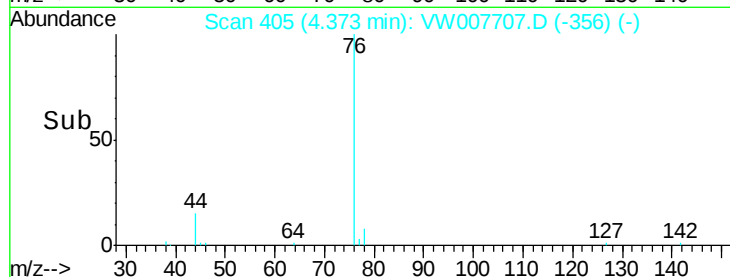
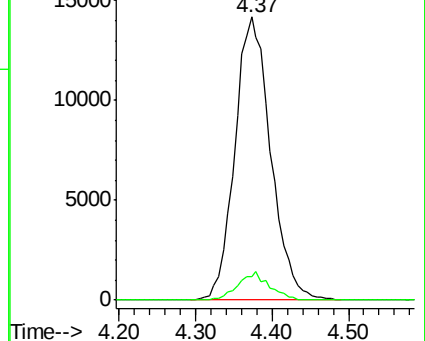
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.264 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007707.D

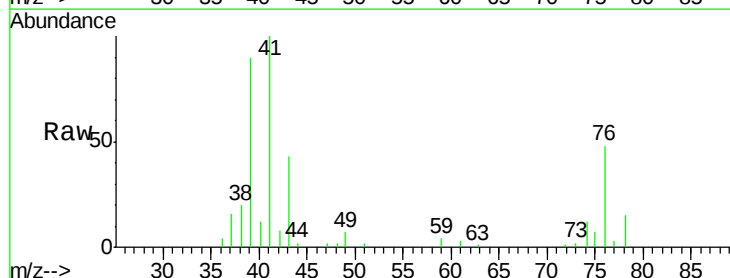
Acq: 19 Dec 2018 18:44

Tgt Ion: 43 Resp: 7348

Ion Ratio Lower Upper

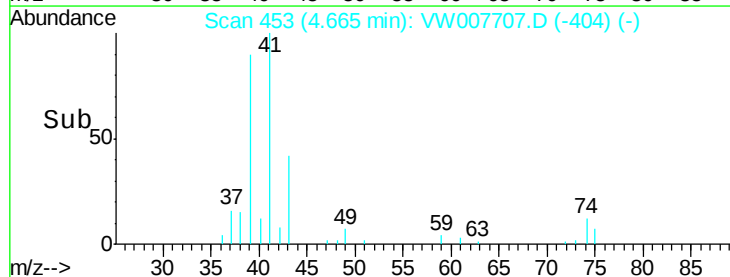
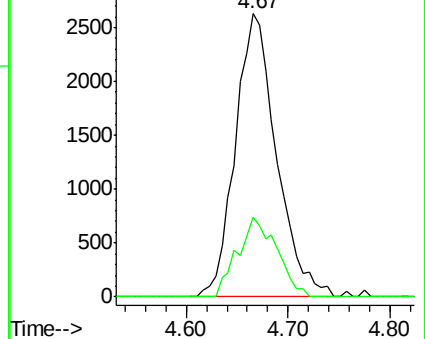
43 100

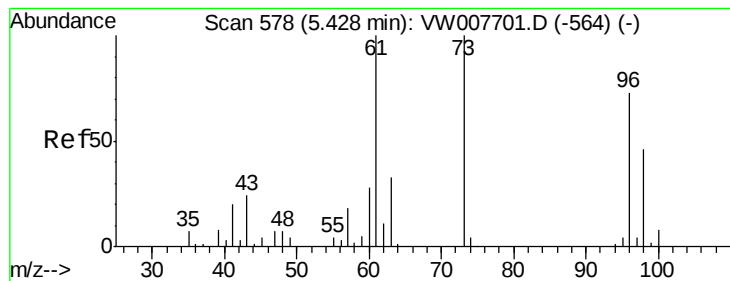
74 26.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 20.719 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

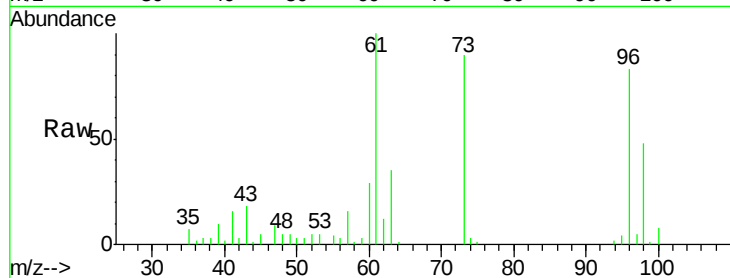
VW1221SBS01

Tgt Ion: 73 Resp: 22933

Ion Ratio Lower Upper

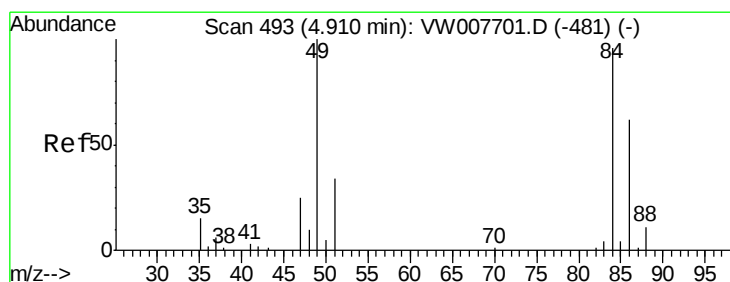
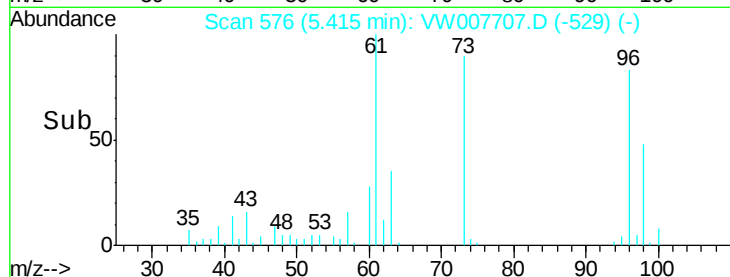
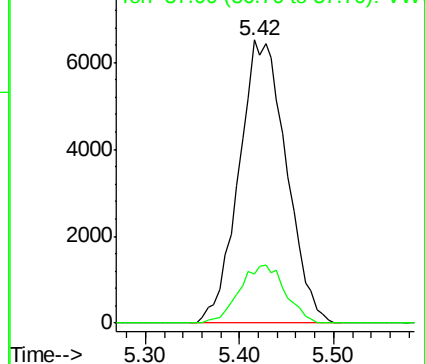
73 100

57 17.6 14.7 22.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 19.022 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Tgt Ion: 84 Resp: 18391

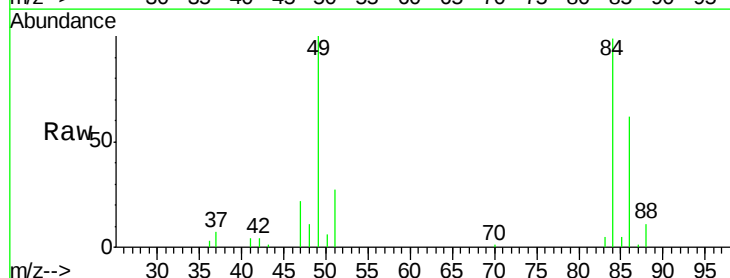
Ion Ratio Lower Upper

84 100

49 100.5 83.7 125.5

51 27.4 28.2 42.2#

86 62.2 52.2 78.2

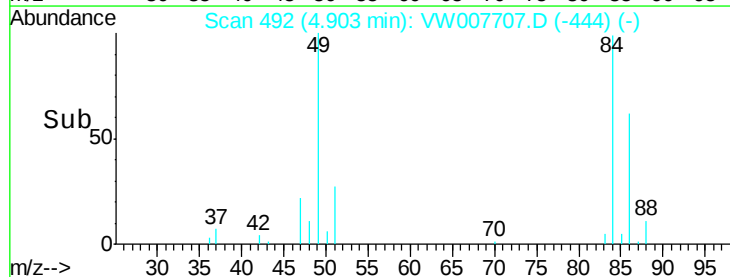
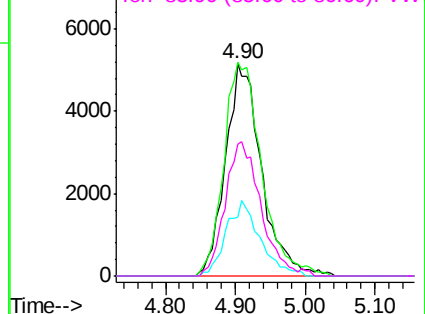


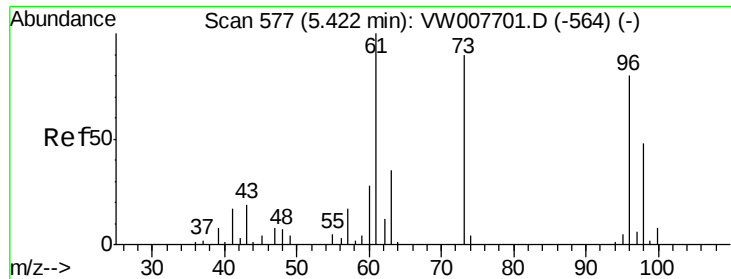
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 19.911 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

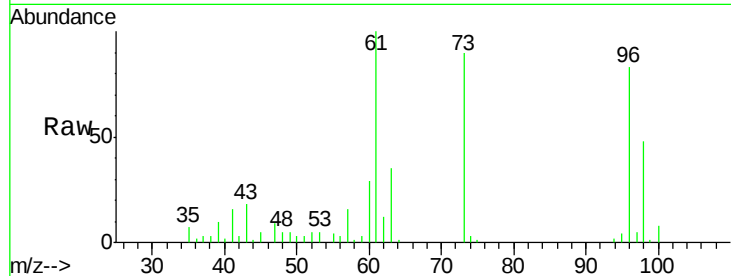
Tgt Ion: 96 Resp: 16883

Ion Ratio Lower Upper

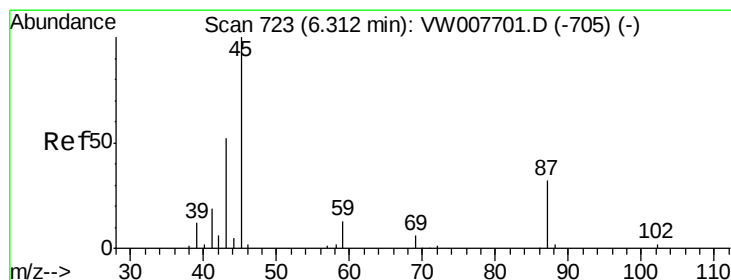
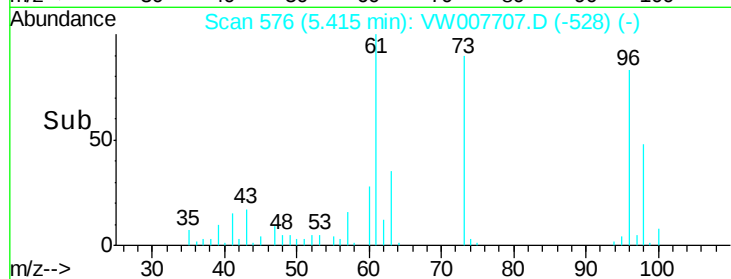
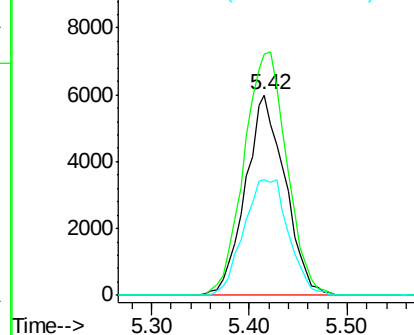
96 100

61 120.4 100.1 150.1

98 57.7 48.5 72.7



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: 20.311 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Tgt Ion: 45 Resp: 38451

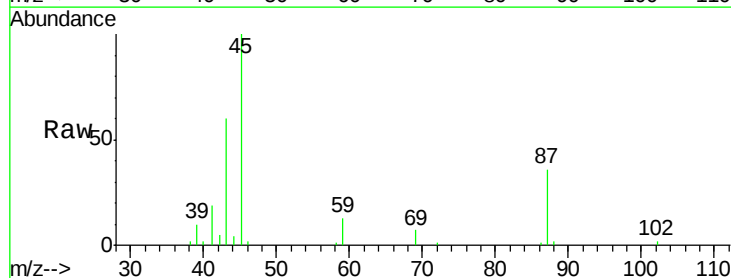
Ion Ratio Lower Upper

45 100

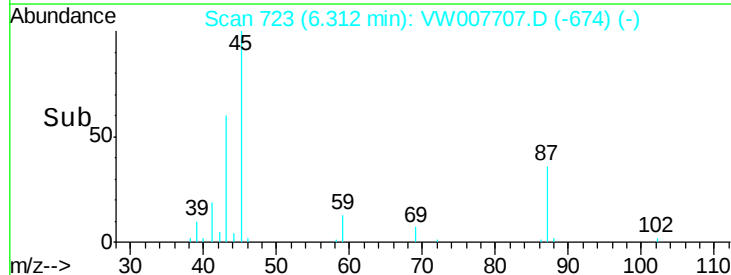
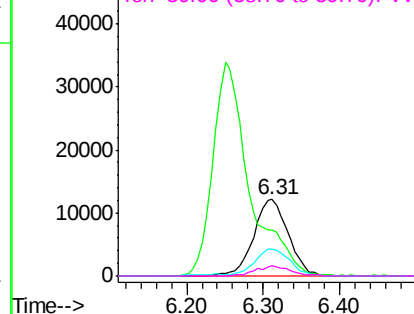
43 59.2 43.7 65.5

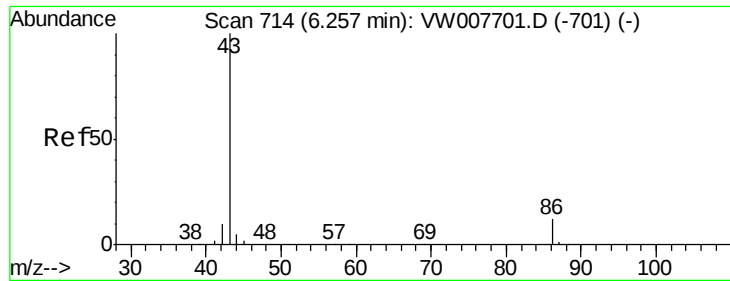
87 35.7 26.6 40.0

59 13.0 10.2 15.2



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: 100.090 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

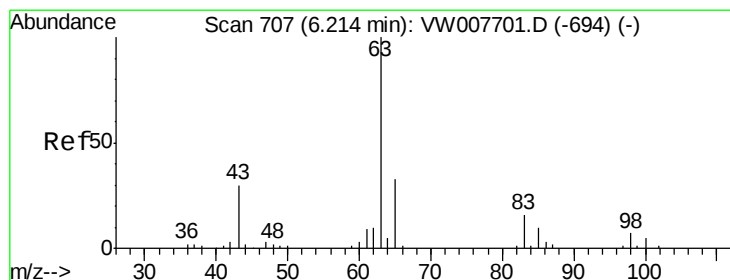
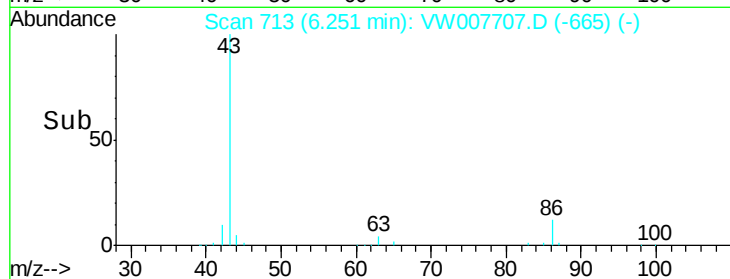
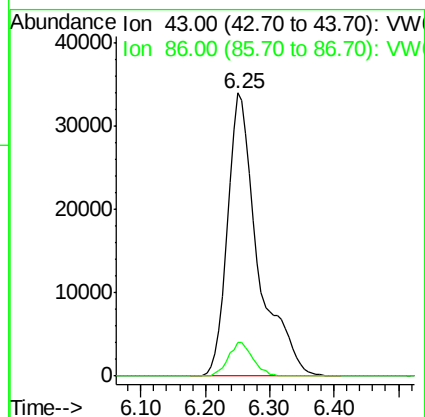
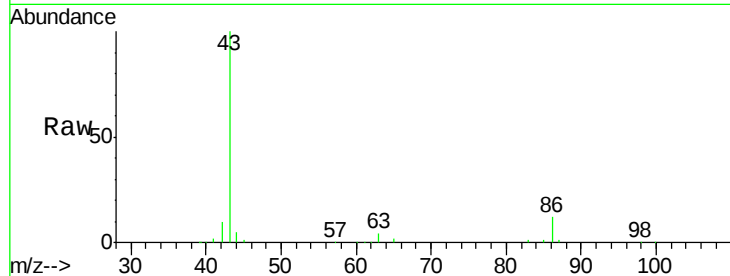
VW1221SBS01

Tgt Ion: 43 Resp: 112578

Ion Ratio Lower Upper

43 100

86 11.8 9.6 14.4



#24

1,1-Dichloroethane

Concen: 19.892 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

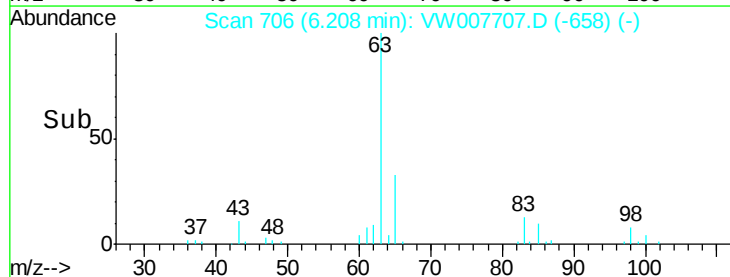
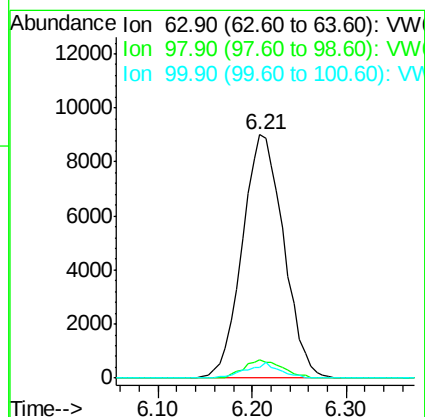
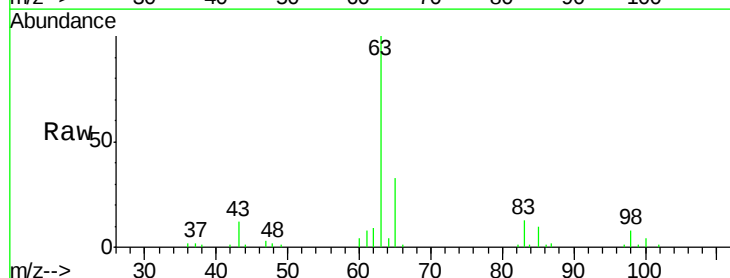
Tgt Ion: 63 Resp: 27703

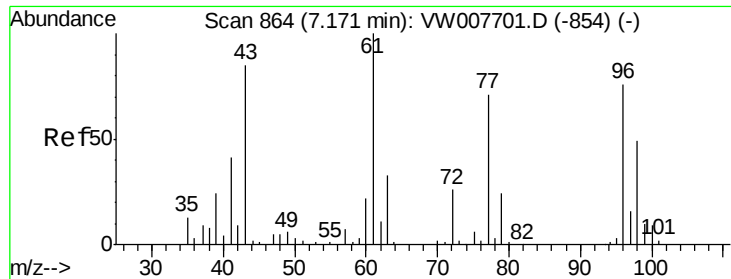
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 93.969 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

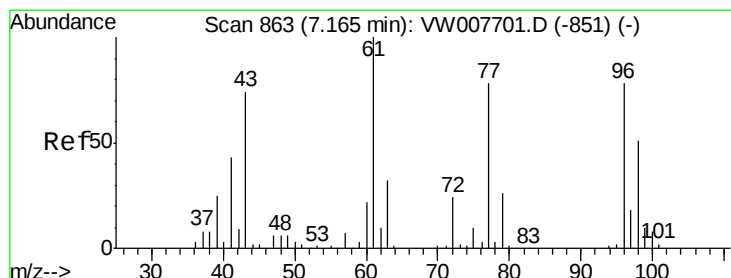
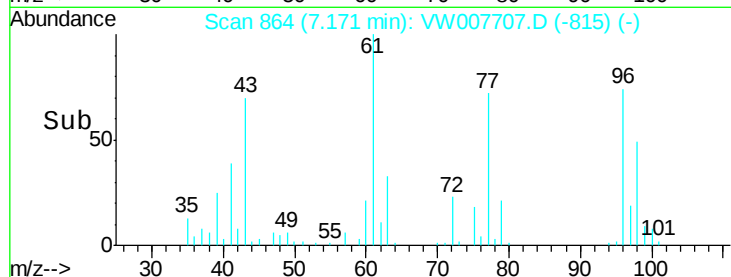
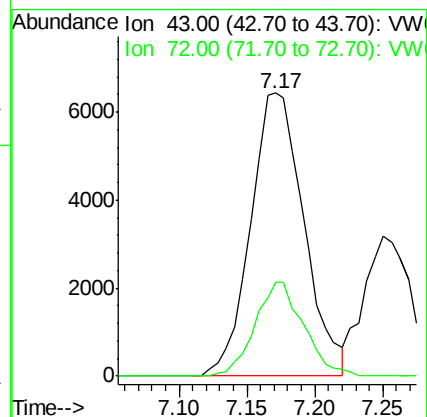
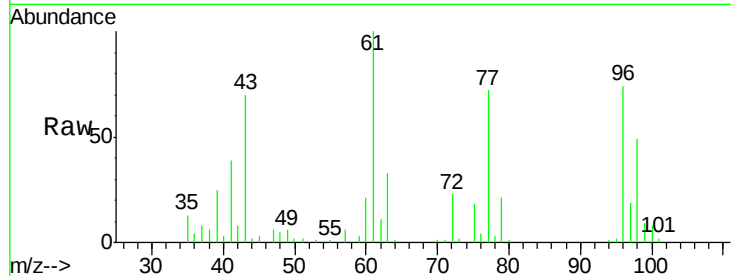
VW1221SBS01

Tgt Ion: 43 Resp: 17653

Ion Ratio Lower Upper

43 100

72 33.1 24.5 36.7



#26

2,2-Dichloropropane

Concen: 20.593 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007707.D

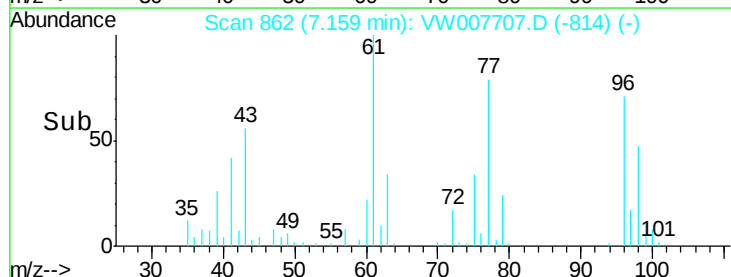
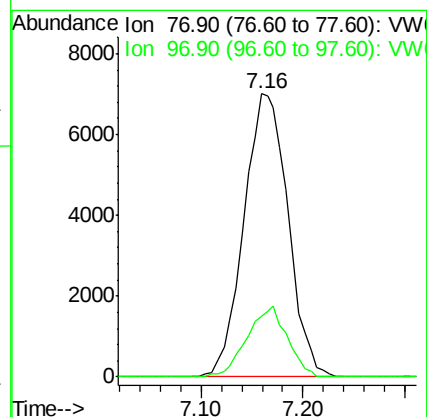
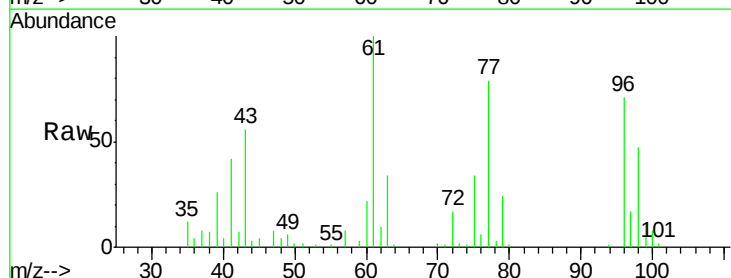
Acq: 19 Dec 2018 18:44

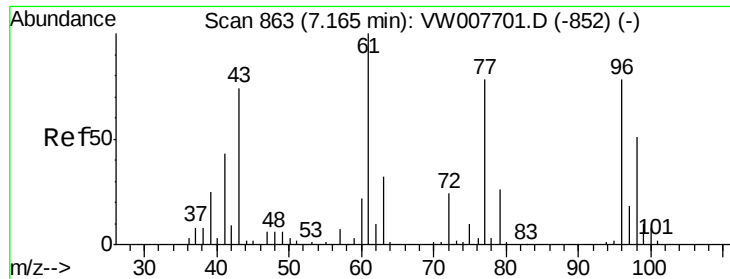
Tgt Ion: 77 Resp: 20987

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



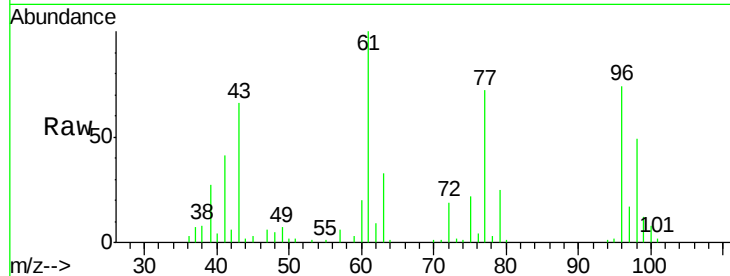


#27

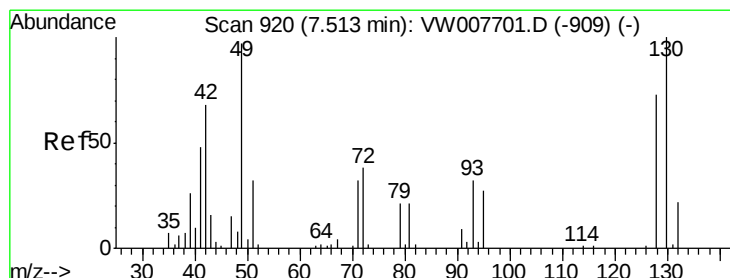
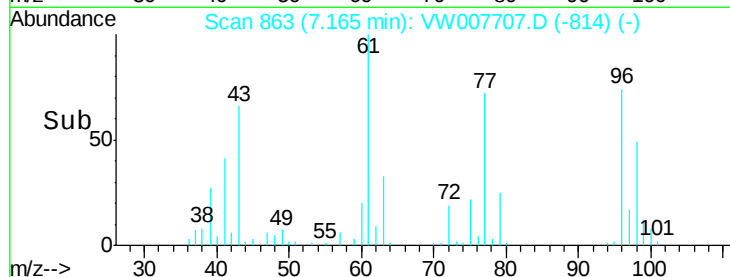
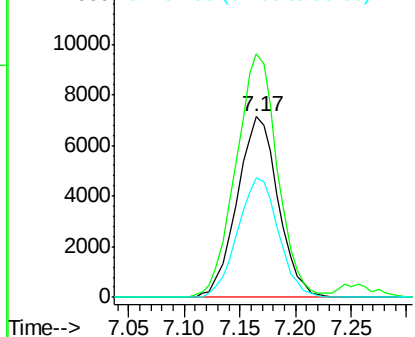
cis-1,2-Dichloroethene
Concen: 20.213 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 96 Resp: 18260
Ion Ratio Lower Upper
96 100
61 137.3 0.0 271.6
98 65.9 0.0 131.2



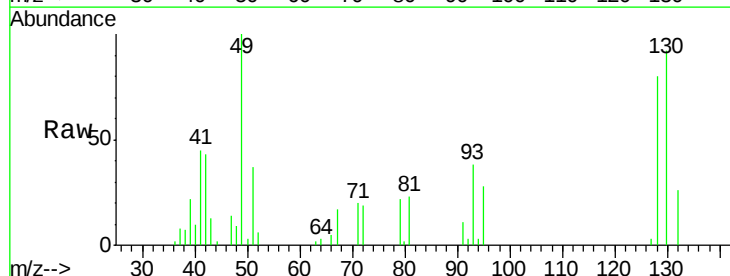
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



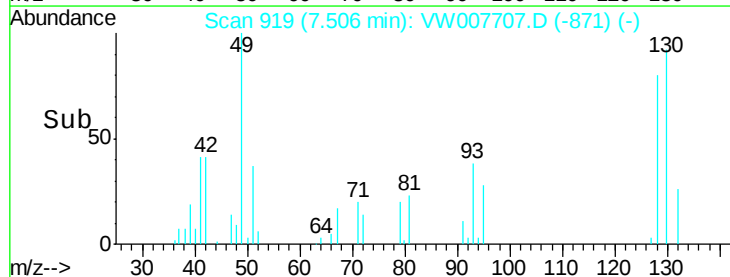
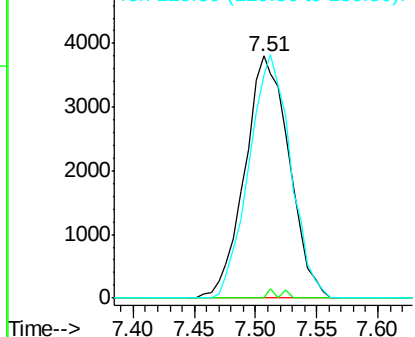
#28

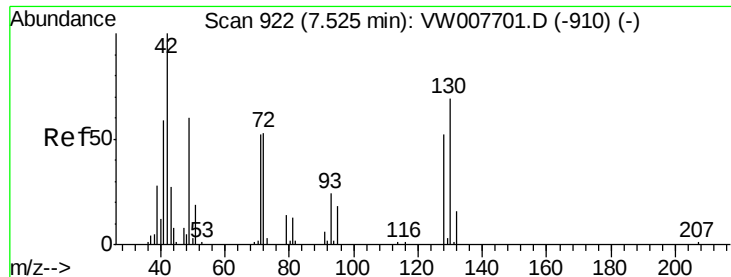
Bromochloromethane
Concen: 20.185 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 49 Resp: 9585
Ion Ratio Lower Upper
49 100
129 1.1 0.0 2.2
130 94.6 81.5 122.3



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

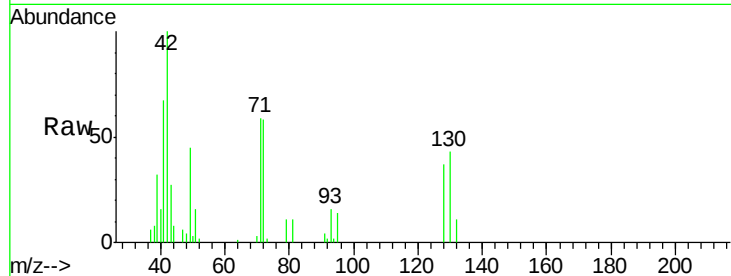




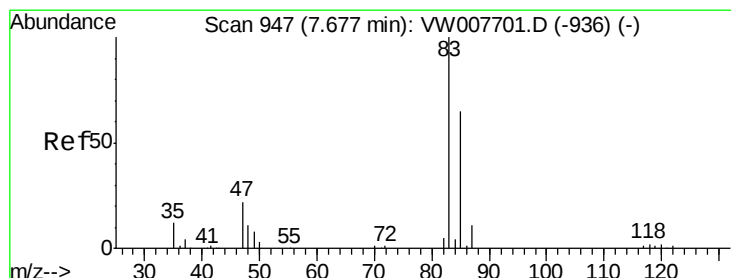
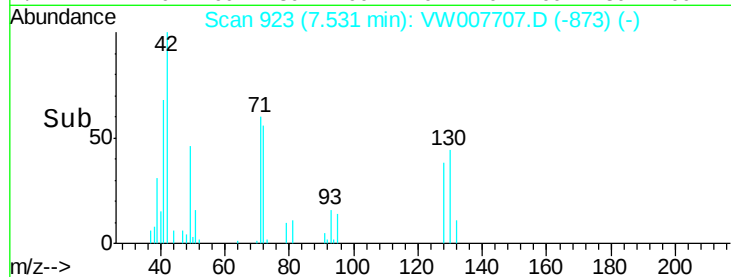
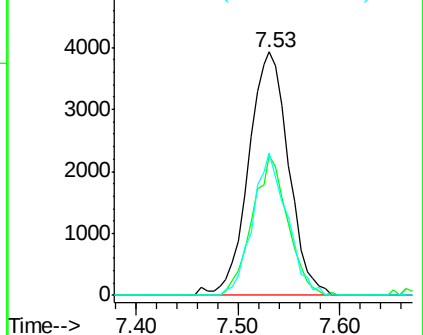
#29
Tetrahydrofuran
Concen: 95.462 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 42 Resp: 10697
Ion Ratio Lower Upper
42 100
72 50.9 41.7 62.5
71 50.5 39.0 58.6

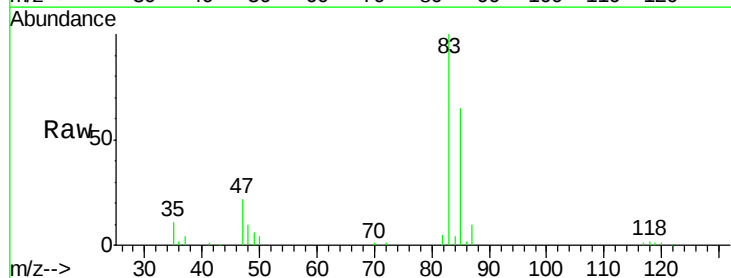


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

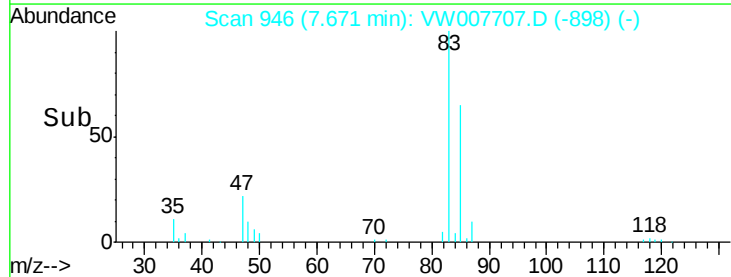
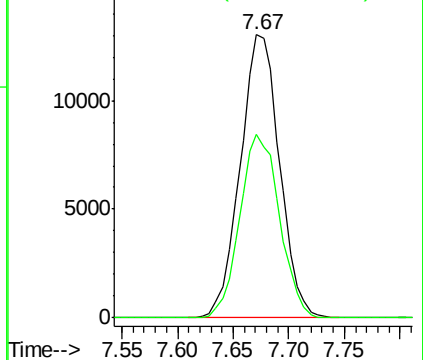


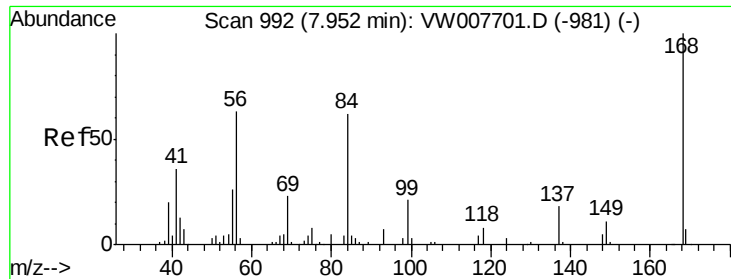
#30
Chloroform
Concen: 20.261 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 83 Resp: 31933
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.2



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

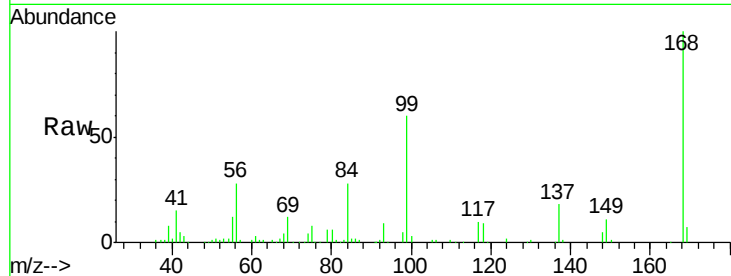




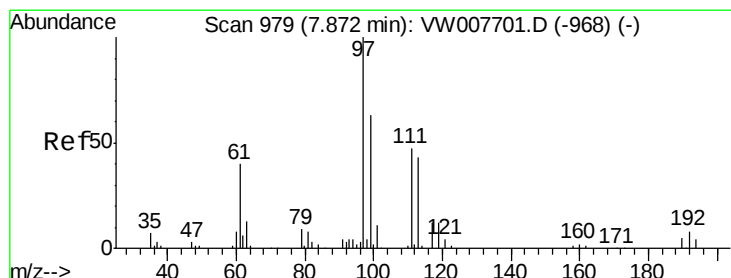
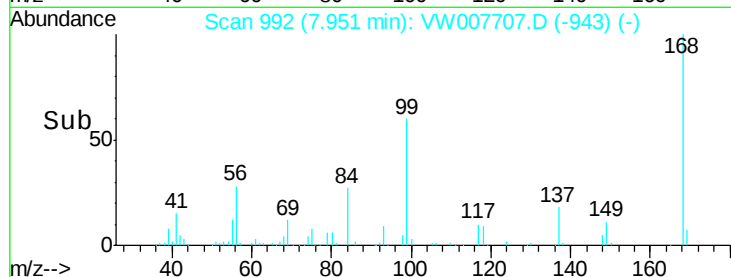
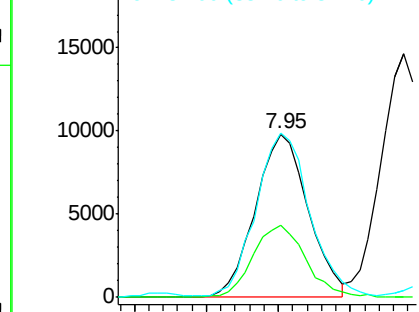
#31
Cyclohexane
Concen: 19.613 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 56 Resp: 25007
Ion Ratio Lower Upper
56 100
69 44.5 29.7 44.5
84 99.7 78.9 118.3

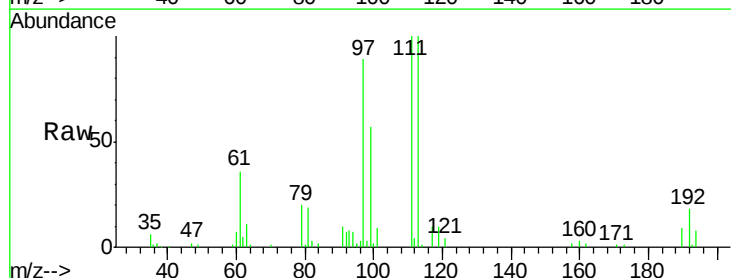


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

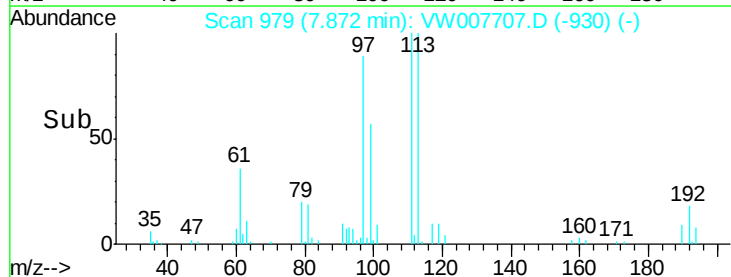
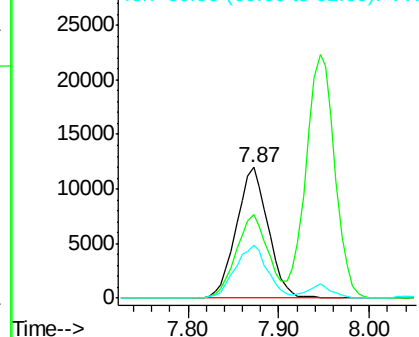


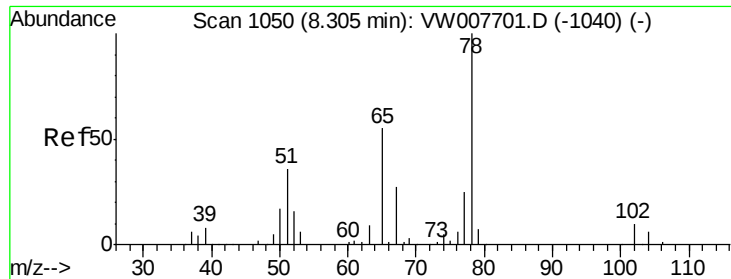
#32
1,1,1-Trichloroethane
Concen: 20.268 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 97 Resp: 29093
Ion Ratio Lower Upper
97 100
99 65.3 50.6 76.0
61 41.3 32.3 48.5



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

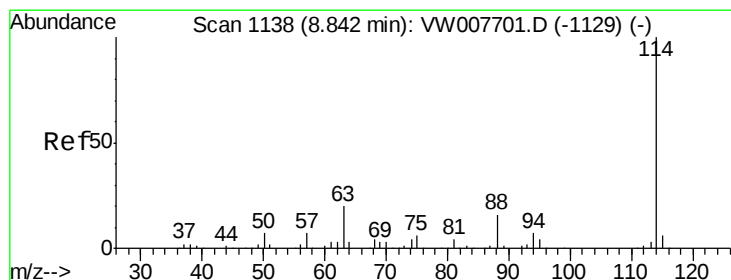
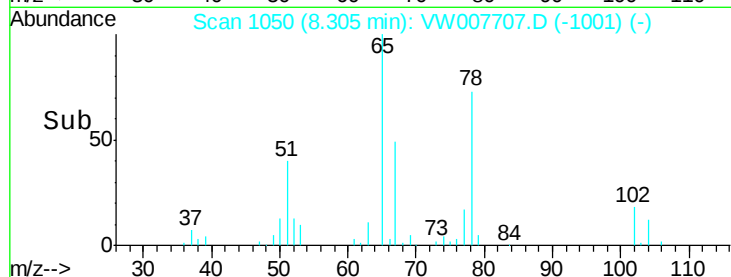
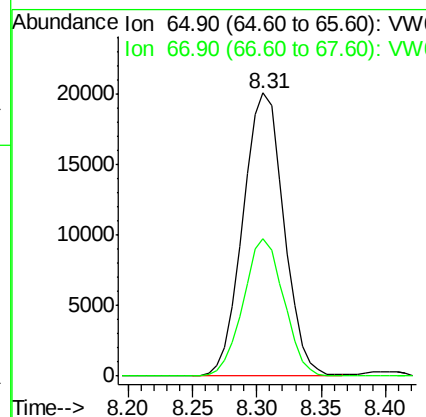
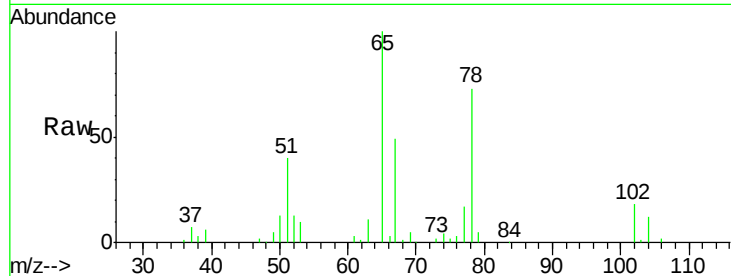




#33
 1,2-Dichloroethane-d4
 Concen: 51.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

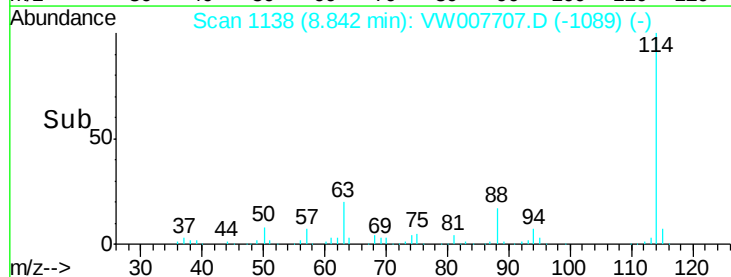
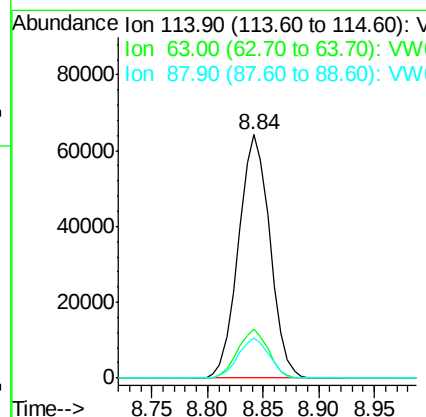
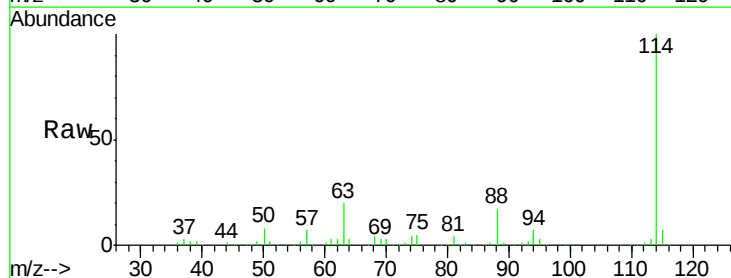
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

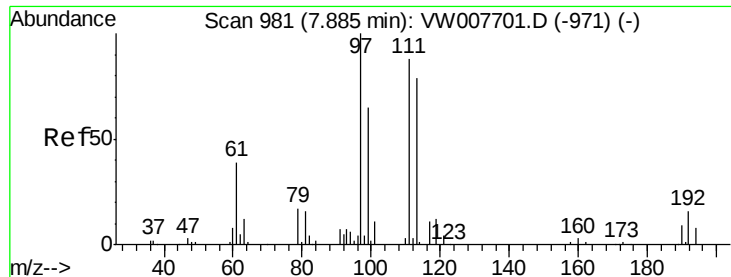
Tgt Ion: 65 Resp: 44150
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 114 Resp: 125313
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.260 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

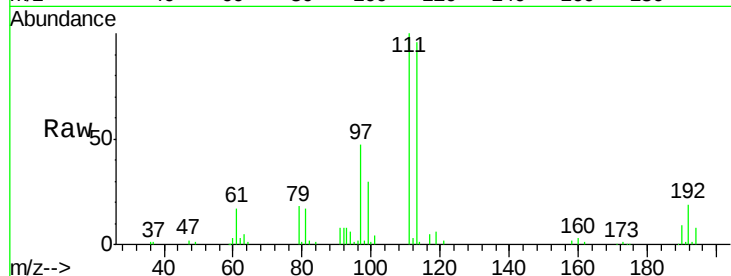
Tgt Ion:113 Resp: 39187

Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

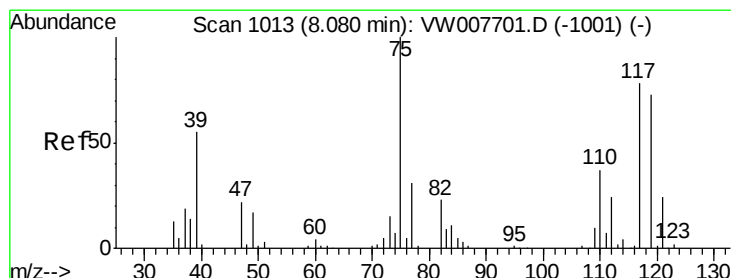
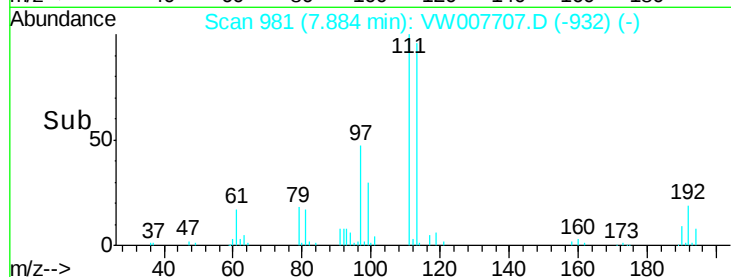
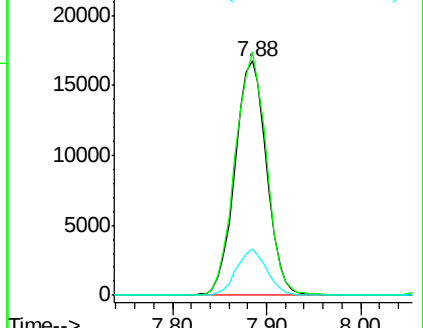
192 19.0 15.5 23.3



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: 19.917 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

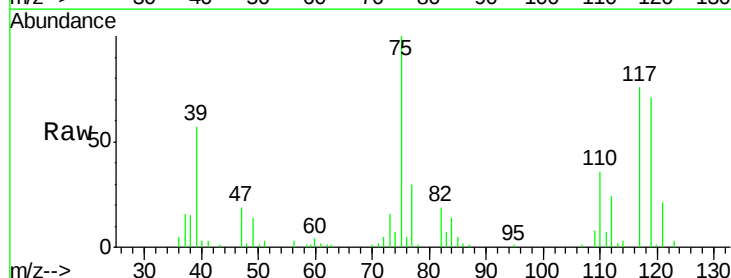
Tgt Ion: 75 Resp: 24090

Ion Ratio Lower Upper

75 100

110 38.2 18.6 55.8

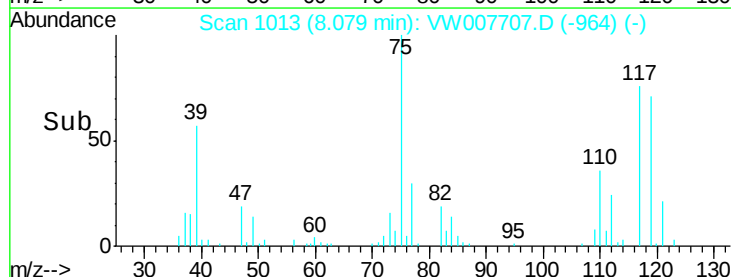
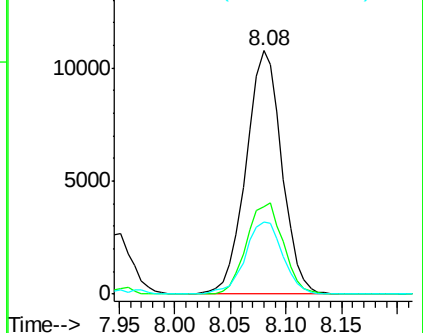
77 31.2 25.0 37.4

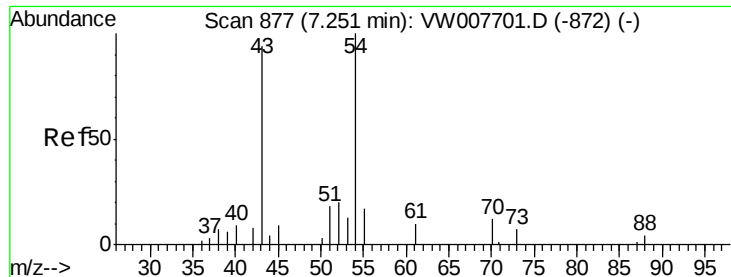


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

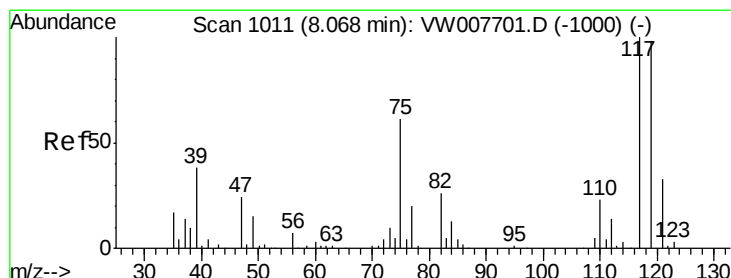
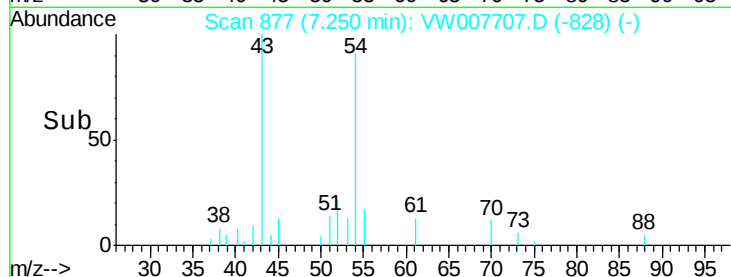
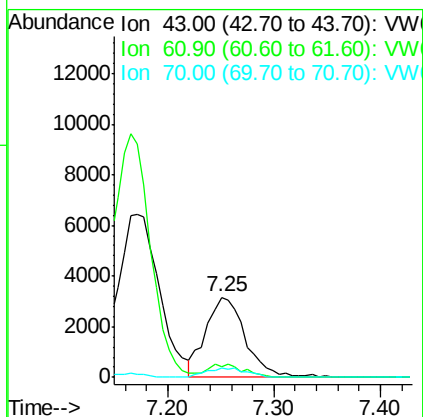
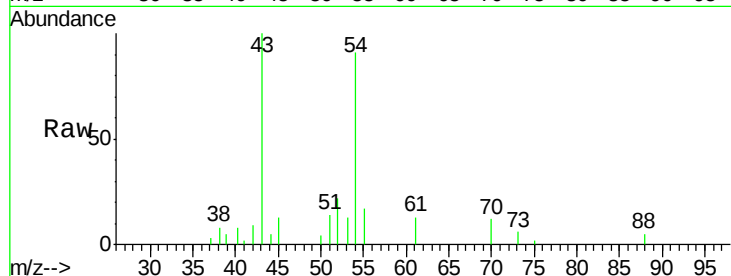




#37
Ethyl Acetate
Concen: 19.609 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

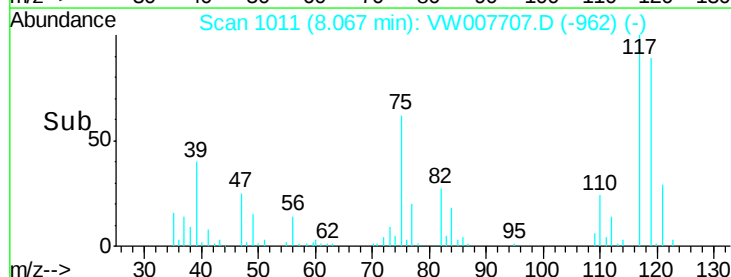
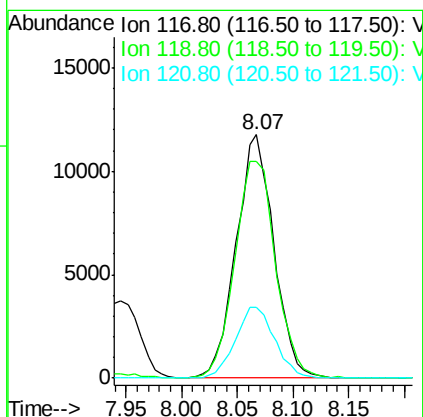
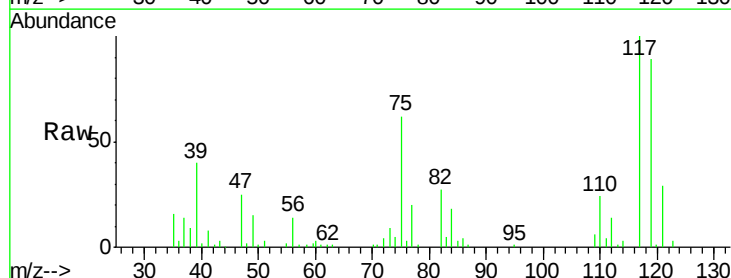
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 43 Resp: 8185
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 11.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.470 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 117 Resp: 27733
Ion Ratio Lower Upper
117 100
119 89.1 78.2 117.2
121 28.8 26.1 39.1

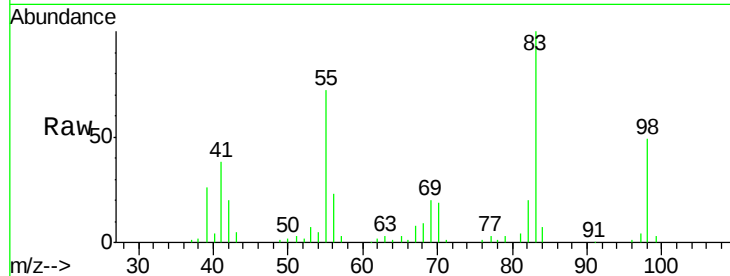




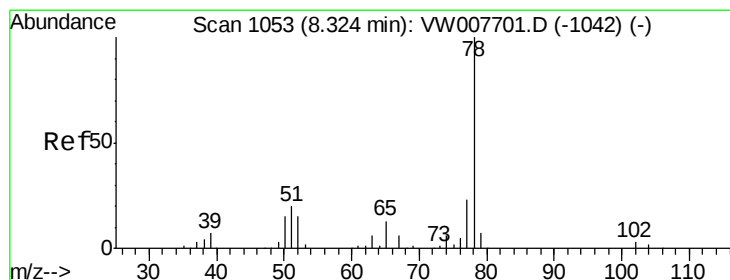
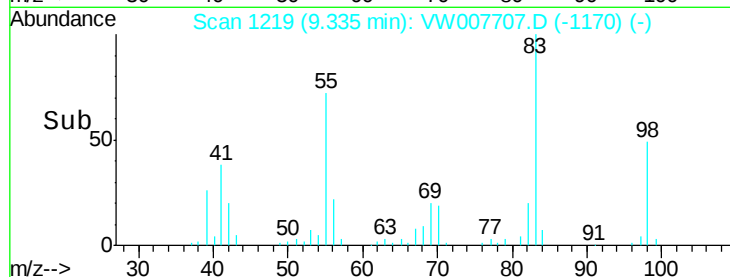
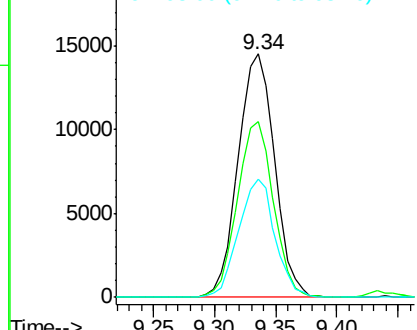
#39
Methylcyclohexane
Concen: 20.096 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 83 Resp: 30203
Ion Ratio Lower Upper
83 100
55 72.1 57.2 85.8
98 48.6 38.6 58.0

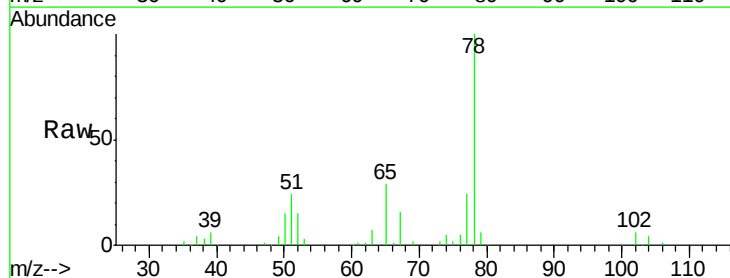


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

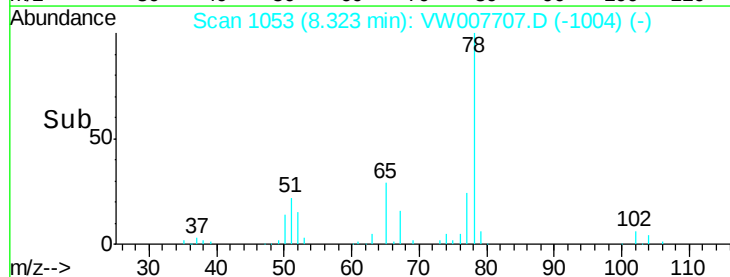
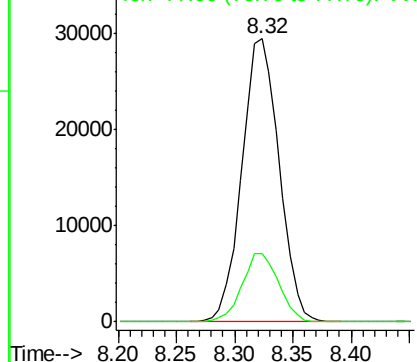


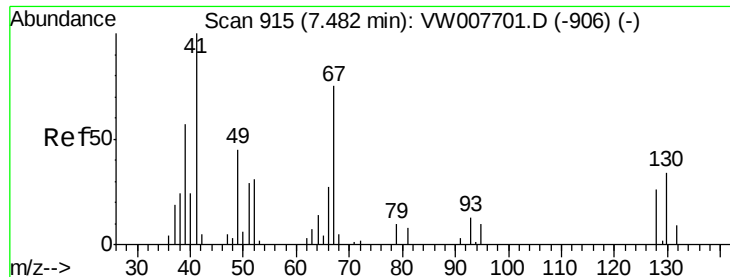
#40
Benzene
Concen: 20.300 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 78 Resp: 65520
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 19.448 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

Tgt Ion: 41 Resp: 4609

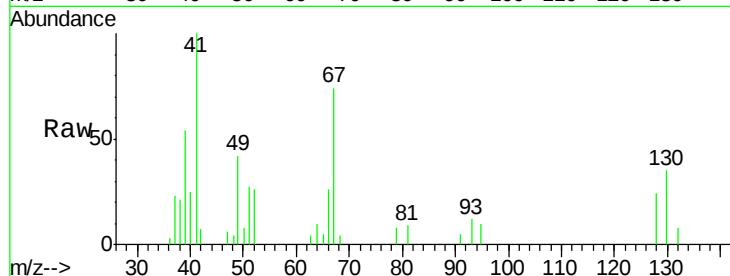
Ion Ratio Lower Upper

41 100

39 64.9 54.2 81.4

67 84.1 65.7 98.5

52 37.2 26.2 39.4

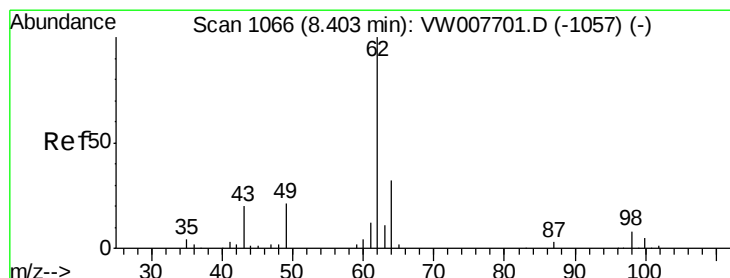
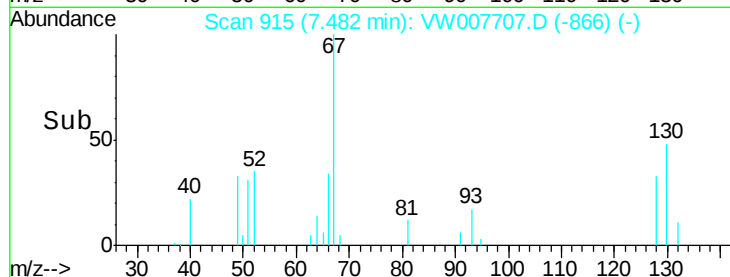
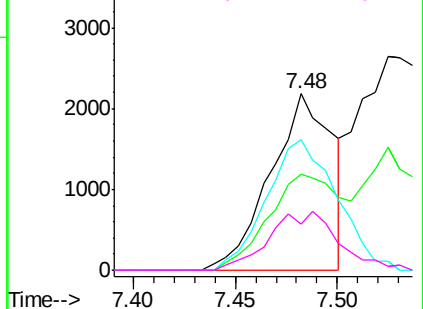


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.954 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007707.D

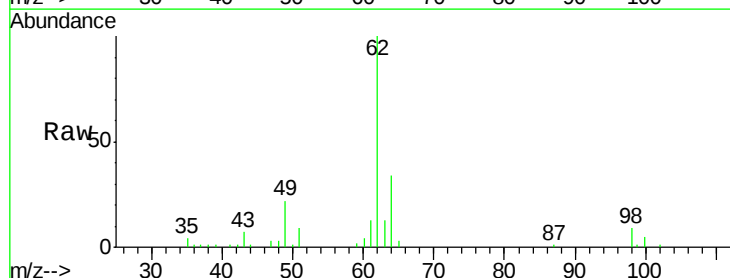
Acq: 19 Dec 2018 18:44

Tgt Ion: 62 Resp: 21582

Ion Ratio Lower Upper

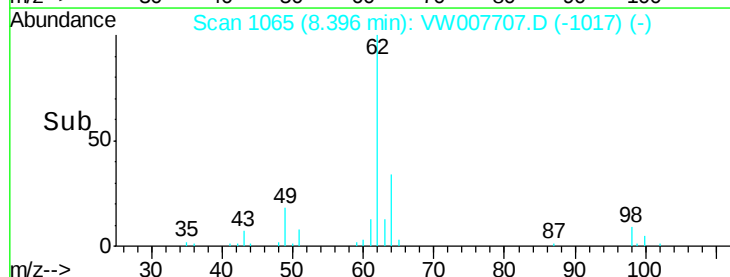
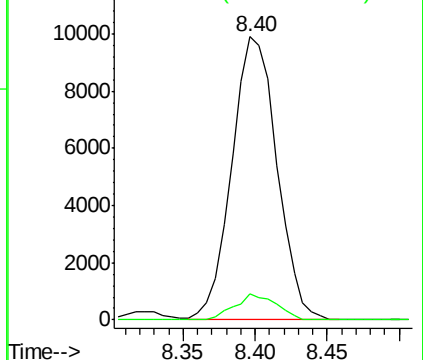
62 100

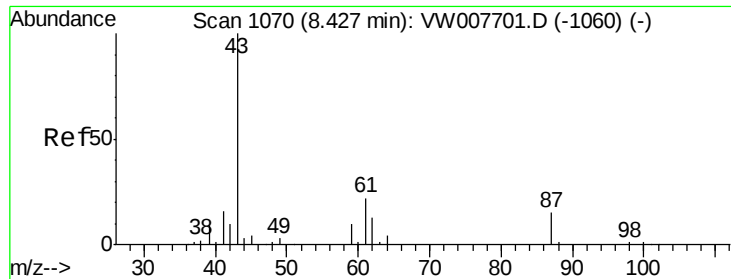
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.733 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

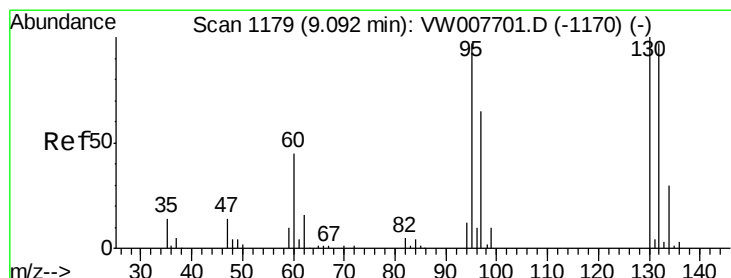
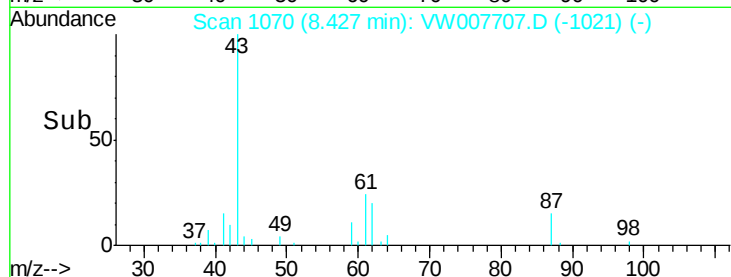
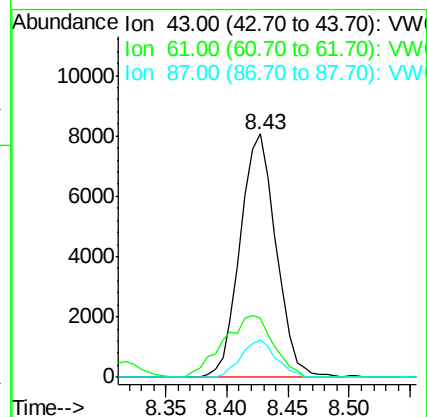
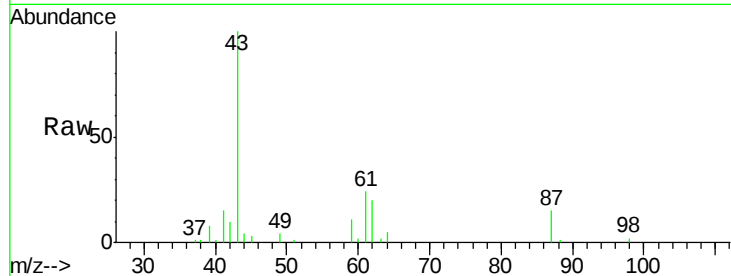
Tgt Ion: 43 Resp: 16502

Ion Ratio Lower Upper

43 100

61 35.1 26.3 39.5

87 14.7 12.0 18.0



#44

Trichloroethene

Concen: 19.885 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007707.D

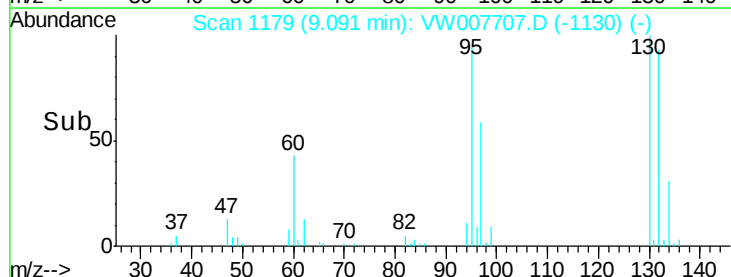
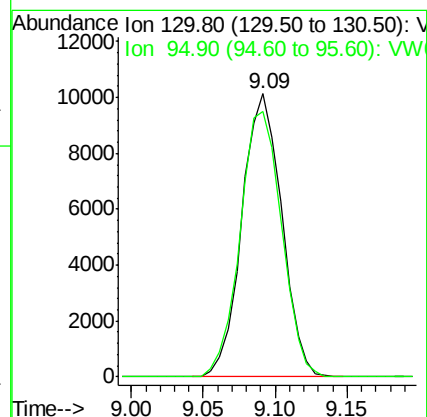
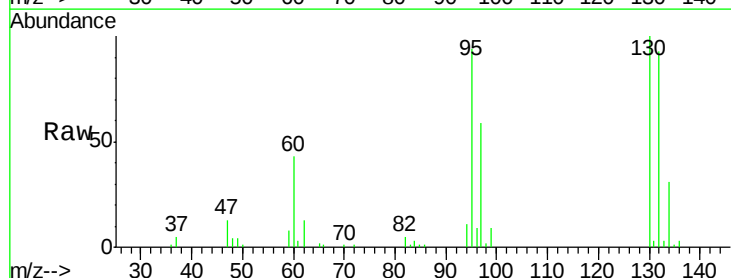
Acq: 19 Dec 2018 18:44

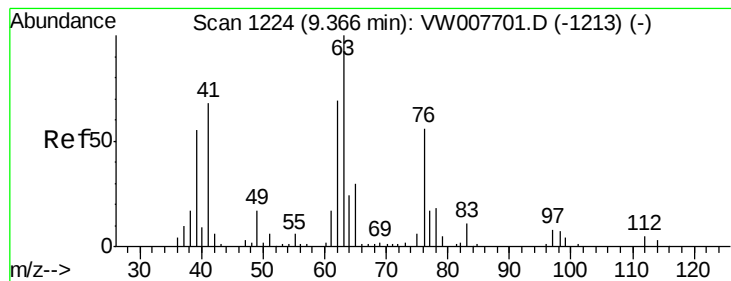
Tgt Ion: 130 Resp: 19409

Ion Ratio Lower Upper

130 100

95 93.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.479 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

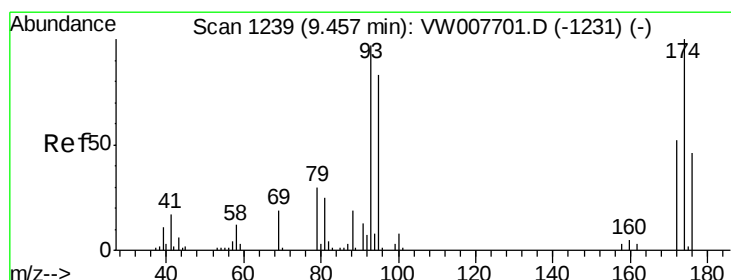
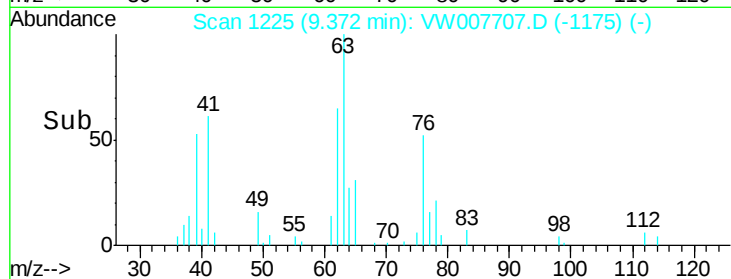
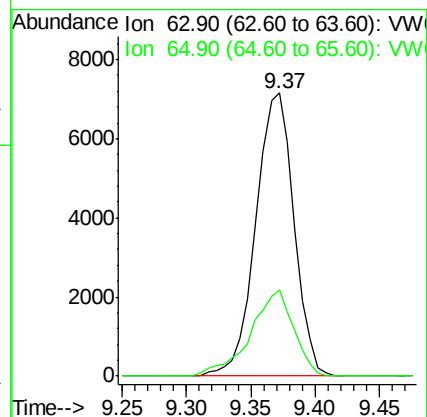
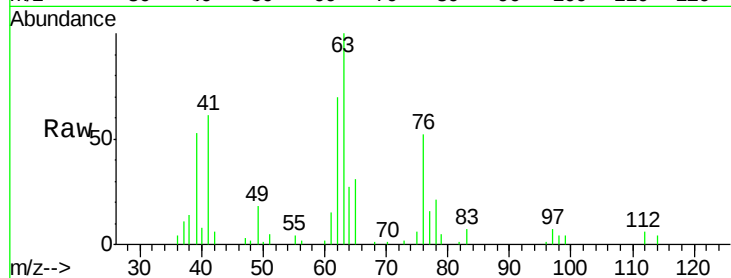
VW1221SBS01

Tgt Ion: 63 Resp: 14666

Ion Ratio Lower Upper

63 100

65 30.6 23.8 35.8



#46

Dibromomethane

Concen: 20.334 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

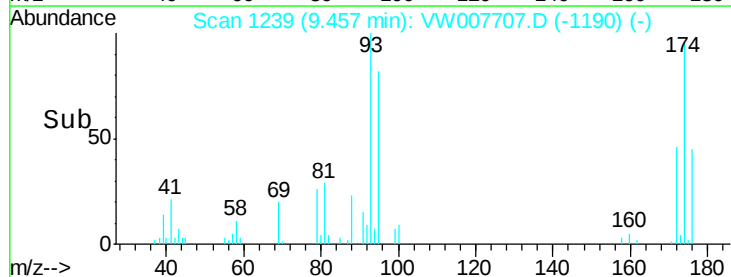
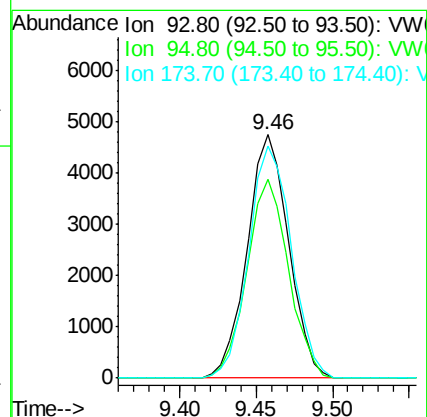
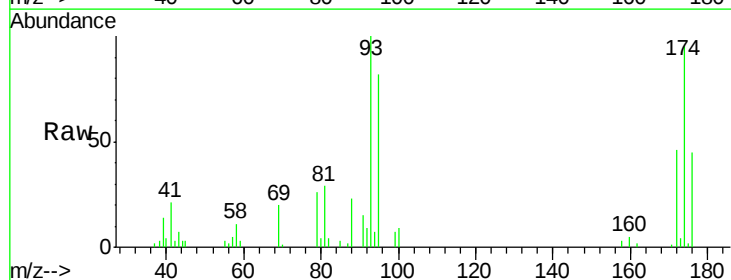
Tgt Ion: 93 Resp: 8964

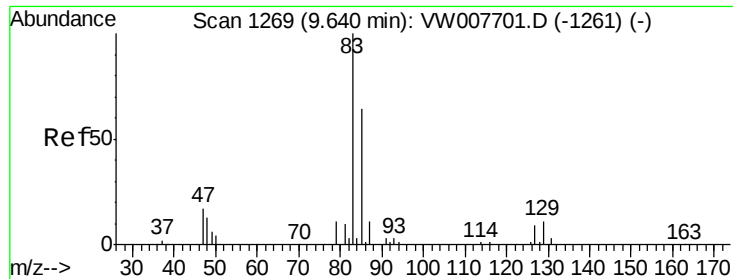
Ion Ratio Lower Upper

93 100

95 82.2 67.5 101.3

174 98.0 83.9 125.9





#47

Bromodichloromethane

Concen: 19.618 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

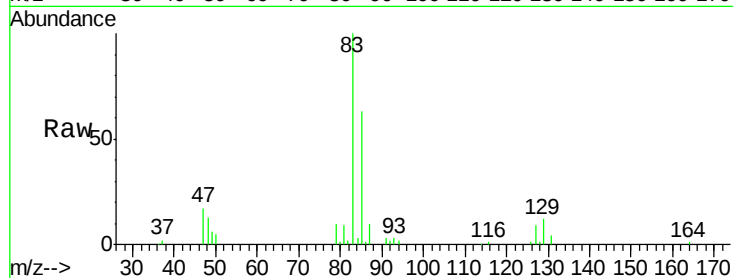
Tgt Ion: 83 Resp: 22736

Ion Ratio Lower Upper

83 100

85 63.2 51.4 77.0

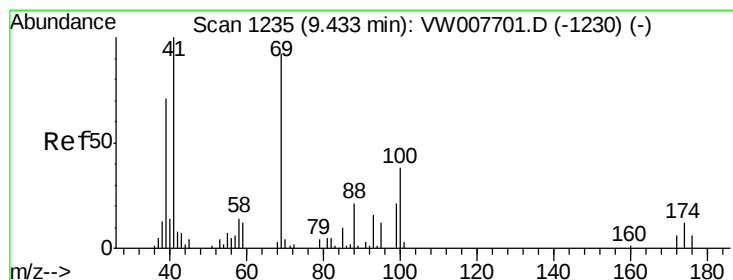
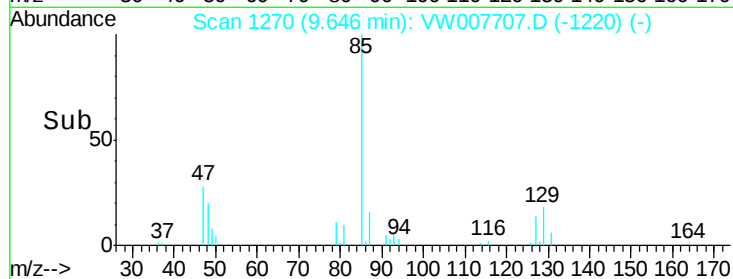
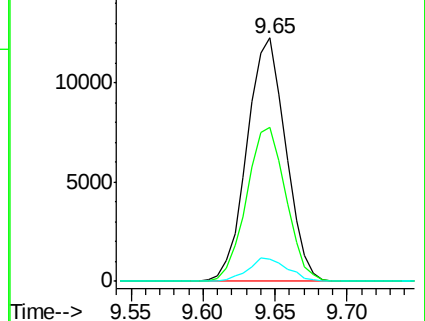
127 9.1 7.5 11.3



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): VW



#48

Methyl methacrylate

Concen: 18.545 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

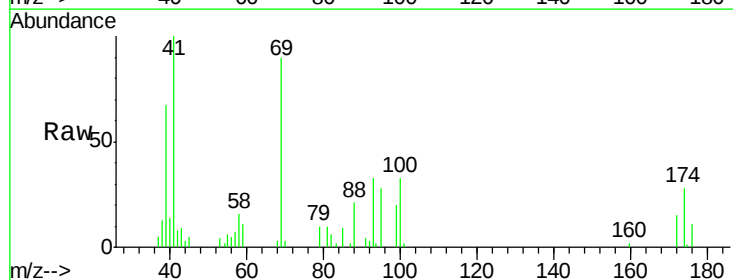
Tgt Ion: 41 Resp: 7741

Ion Ratio Lower Upper

41 100

69 95.2 74.2 111.2

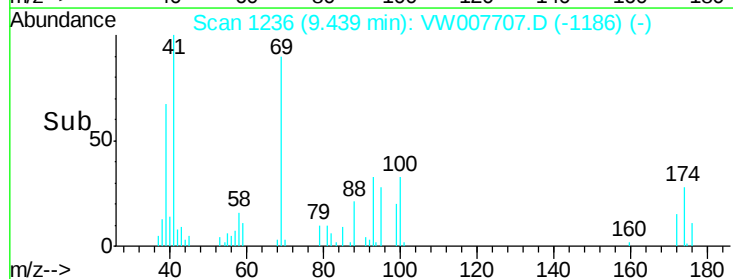
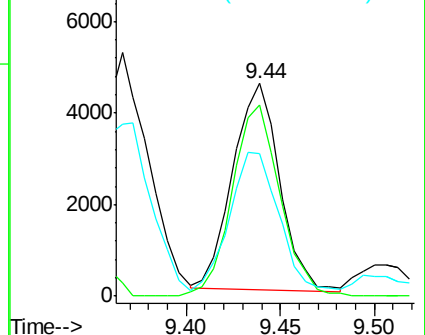
39 71.7 53.9 80.9

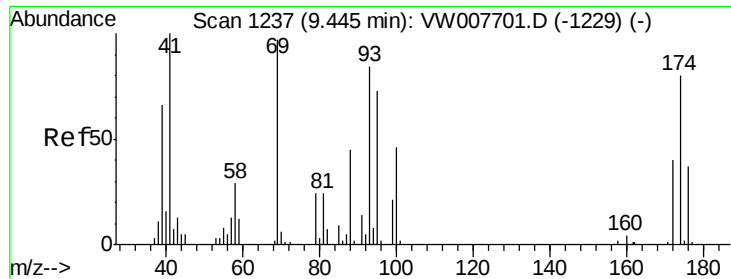


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 381.148 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

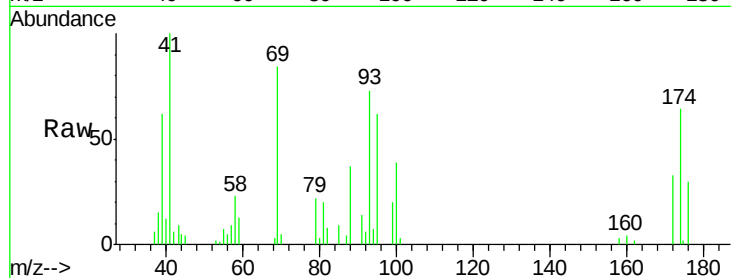
Tgt Ion: 88 Resp: 2664

Ion Ratio Lower Upper

88 100

43 36.3 25.6 38.4

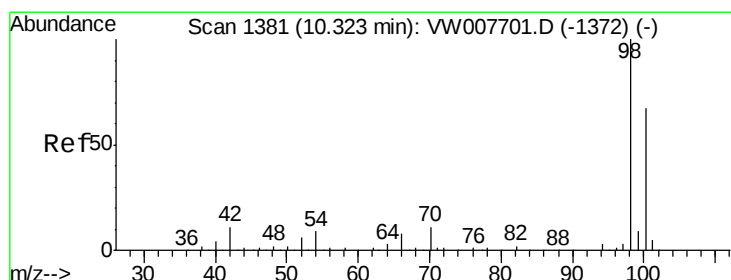
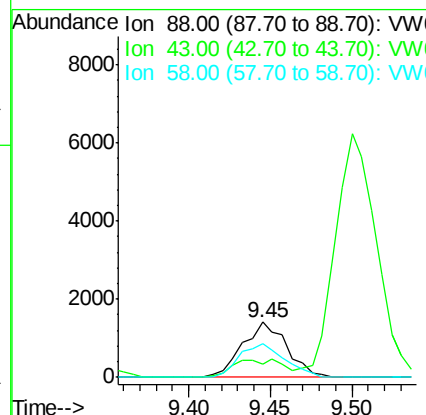
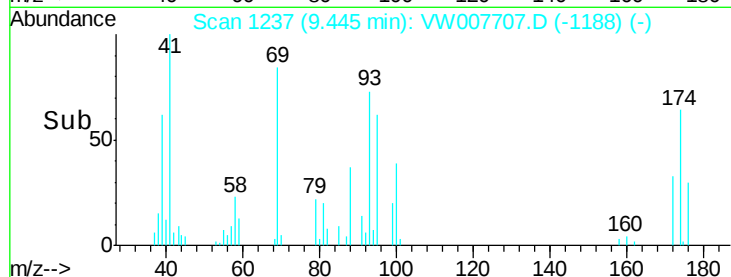
58 62.8 52.3 78.5



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: 51.671 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007707.D

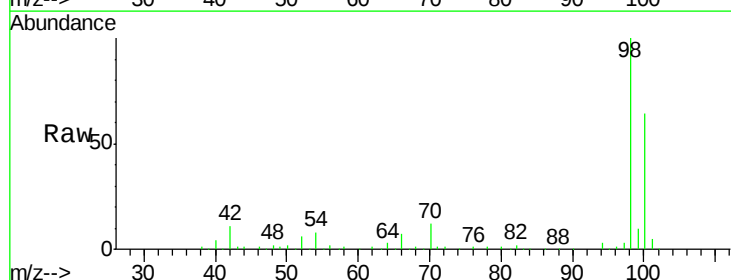
Acq: 19 Dec 2018 18:44

Tgt Ion: 98 Resp: 148913

Ion Ratio Lower Upper

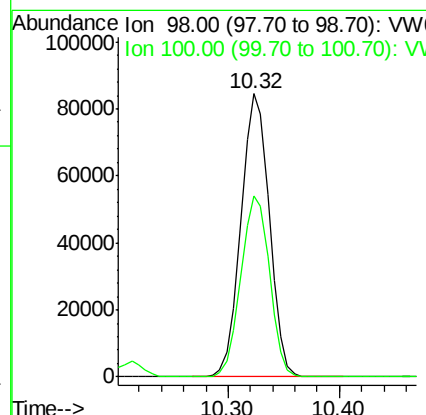
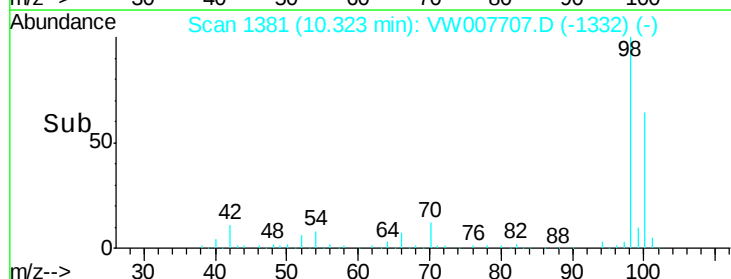
98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 94.768 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

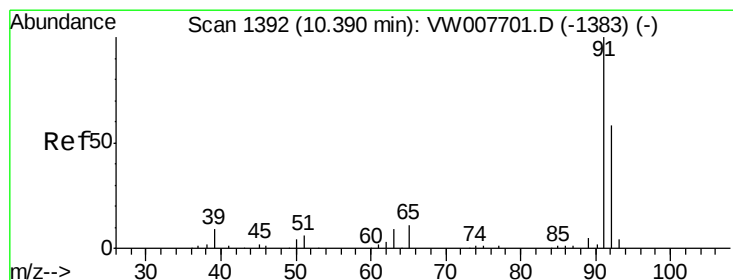
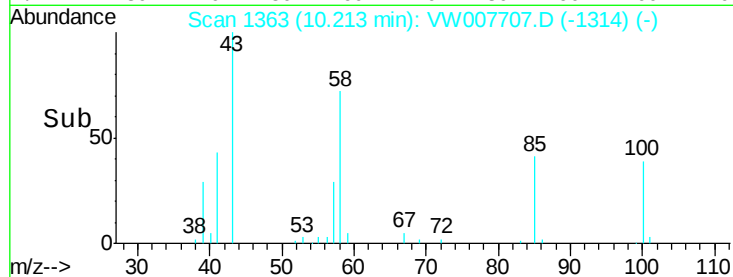
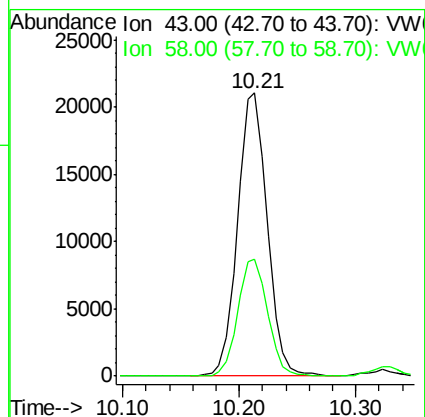
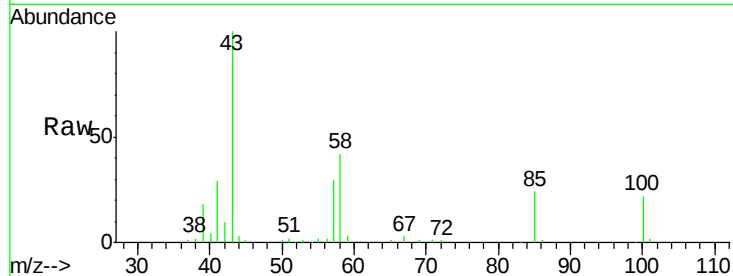
VW1221SBS01

Tgt Ion: 43 Resp: 37454

Ion Ratio Lower Upper

43 100

58 41.4 33.2 49.8



#52

Toluene

Concen: 20.628 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007707.D

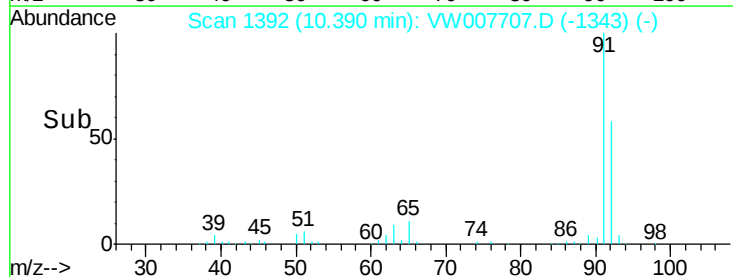
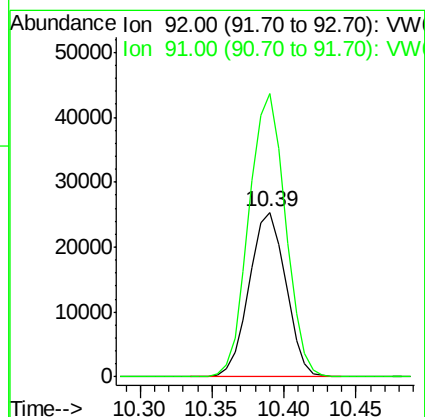
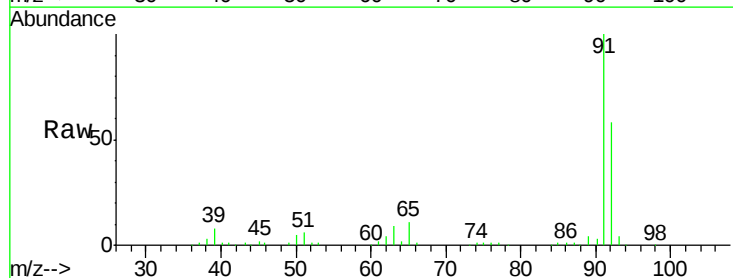
Acq: 19 Dec 2018 18:44

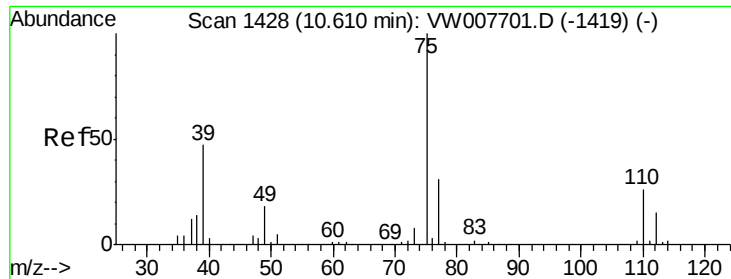
Tgt Ion: 92 Resp: 44668

Ion Ratio Lower Upper

92 100

91 171.5 137.0 205.4

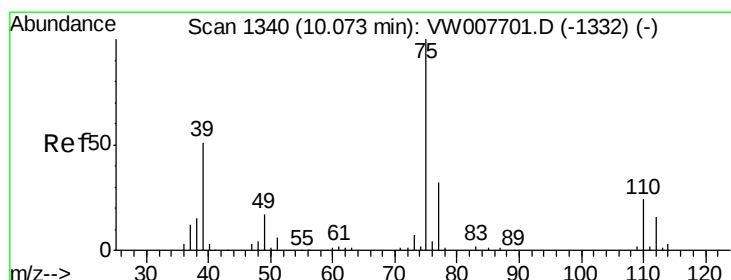
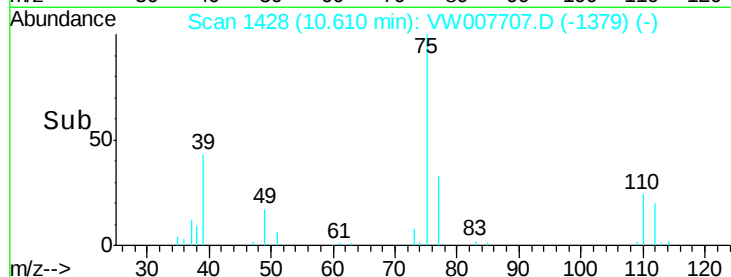
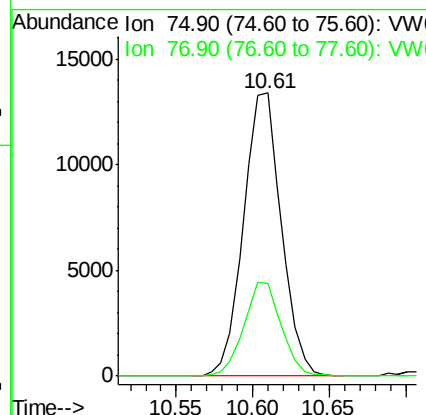
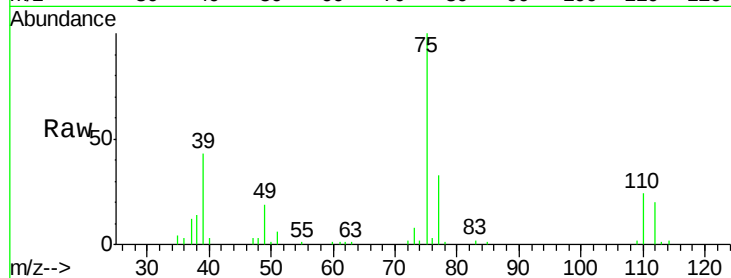




#53
 t-1,3-Dichloropropene
 Concen: 19.916 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

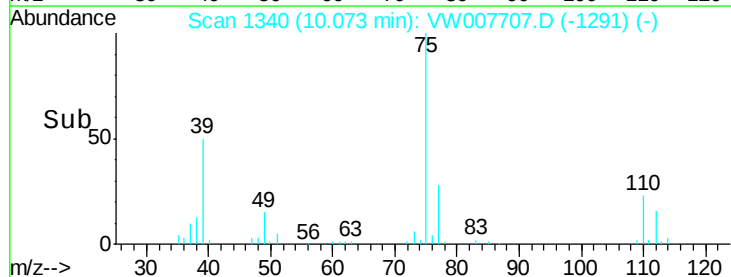
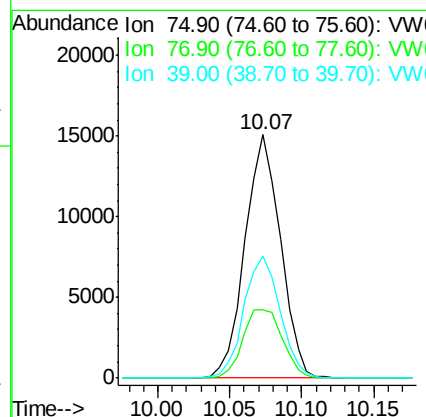
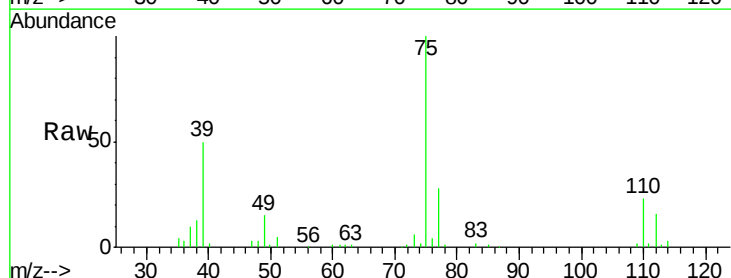
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

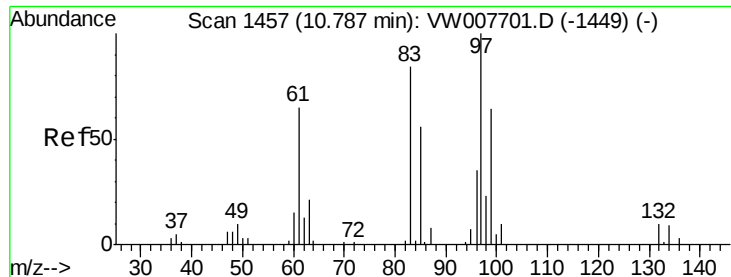
Tgt Ion: 75 Resp: 22958
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.224 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 75 Resp: 25751
 Ion Ratio Lower Upper
 75 100
 77 28.2 25.5 38.3
 39 50.3 41.2 61.8

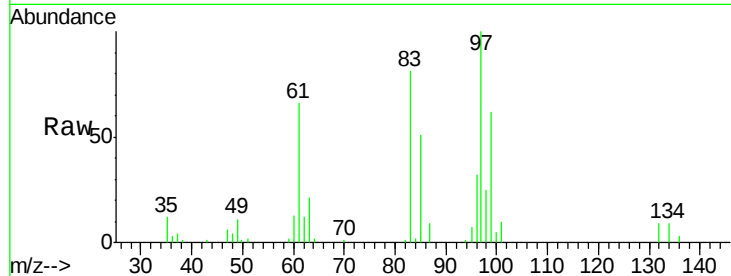




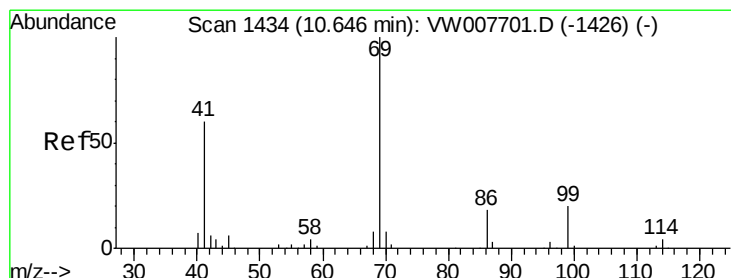
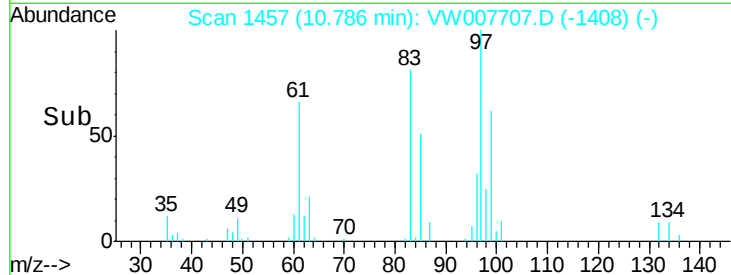
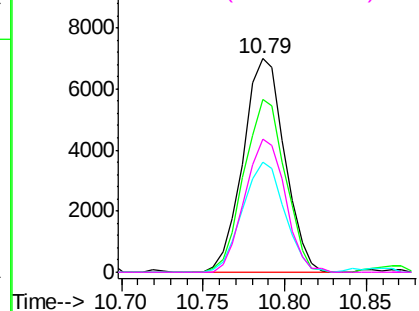
#55
 1,1,2-Trichloroethane
 Concen: 20.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Instrument :
 MSVOA_W
 ClientSampled :
 VW1221SBS01

Tgt Ion: 97 Resp: 12442
 Ion Ratio Lower Upper
 97 100
 83 81.0 67.5 101.3
 85 51.4 44.8 67.2
 99 62.5 51.0 76.4

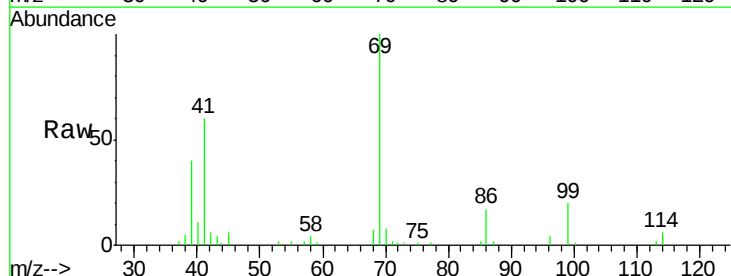


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

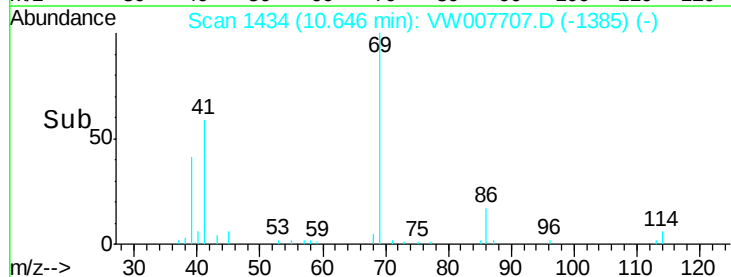
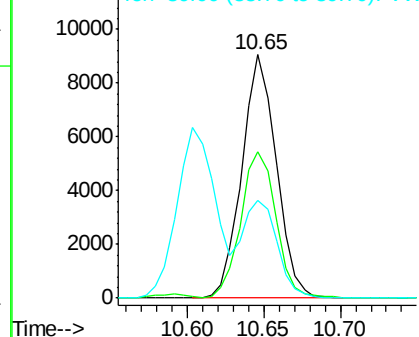


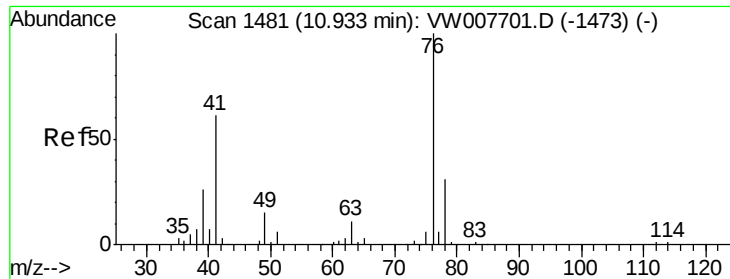
#56
 Ethyl methacrylate
 Concen: 19.763 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 69 Resp: 14191
 Ion Ratio Lower Upper
 69 100
 41 61.5 48.9 73.3
 39 40.8 31.3 46.9



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

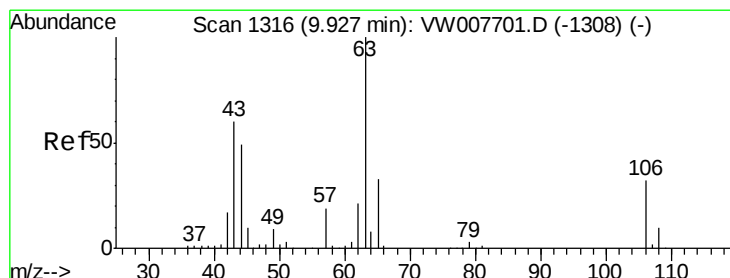
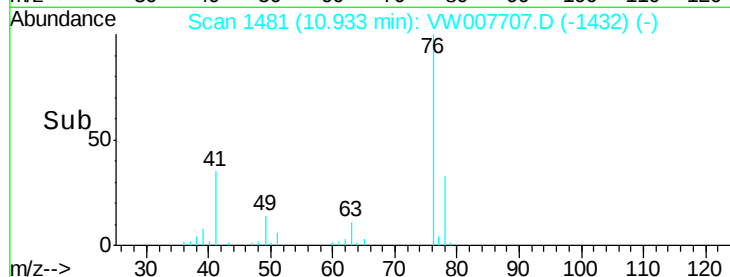
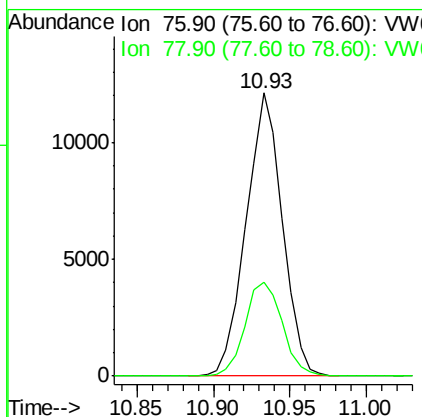
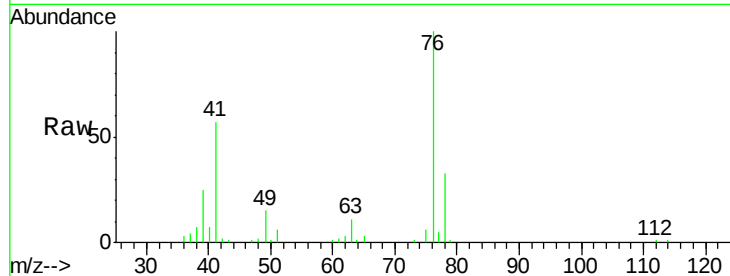




#57
 1,3-Dichloropropane
 Concen: 19.752 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

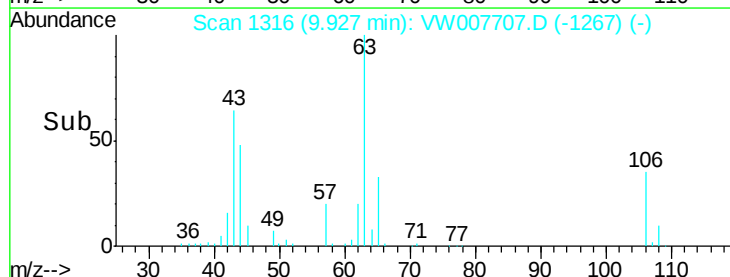
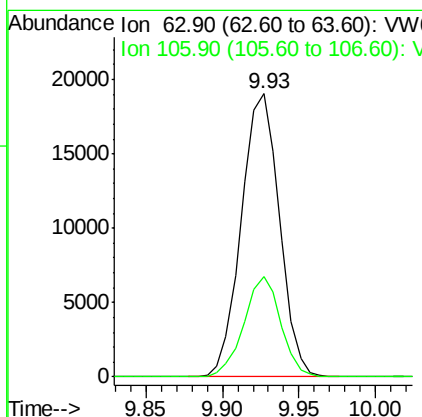
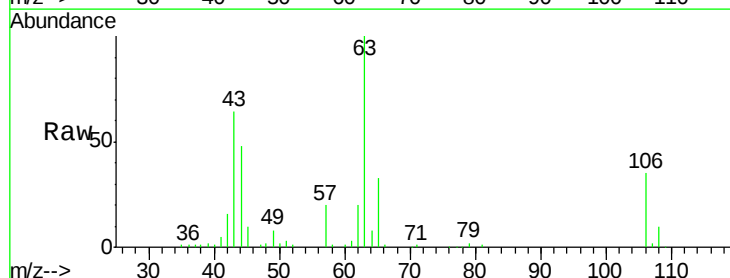
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

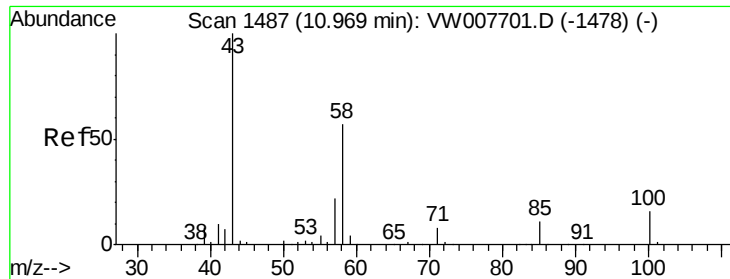
Tgt Ion: 76 Resp: 19933
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.816 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 63 Resp: 33052
 Ion Ratio Lower Upper
 63 100
 106 34.1 25.9 38.9





#59

2-Hexanone

Concen: 95.983 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

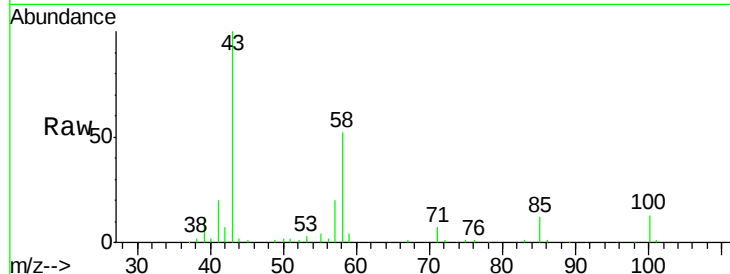
VW1221SBS01

Tgt Ion: 43 Resp: 26678

Ion Ratio Lower Upper

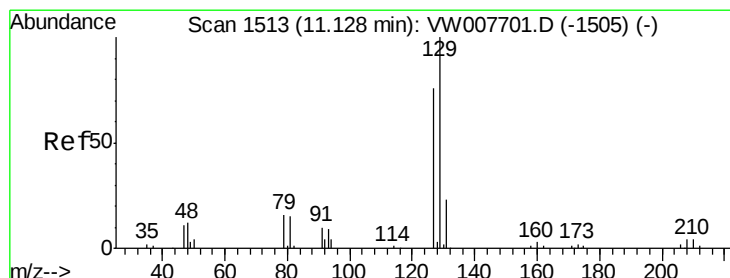
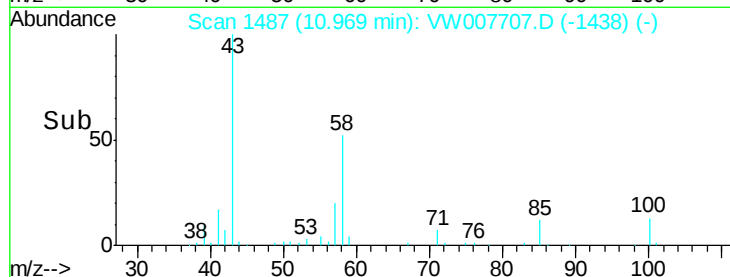
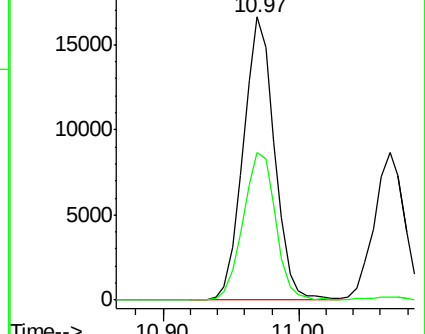
43 100

58 54.1 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 19.607 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007707.D

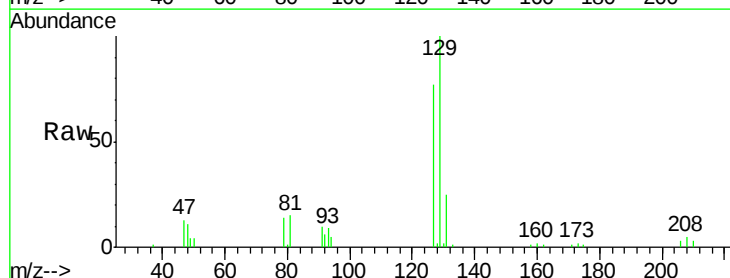
Acq: 19 Dec 2018 18:44

Tgt Ion: 129 Resp: 15778

Ion Ratio Lower Upper

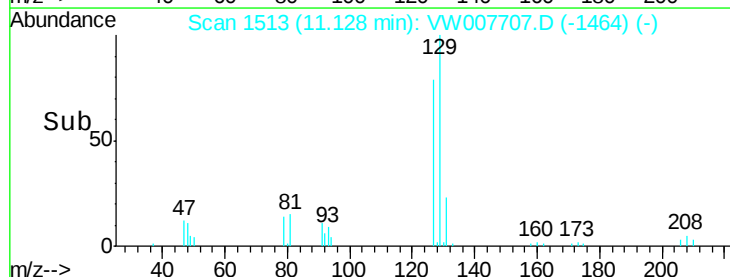
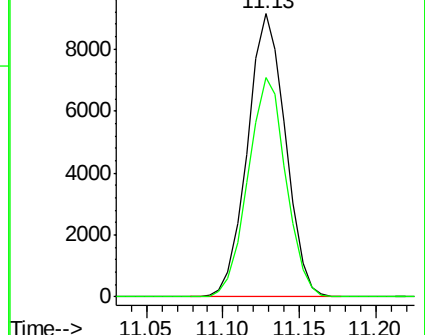
129 100

127 77.2 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.326 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

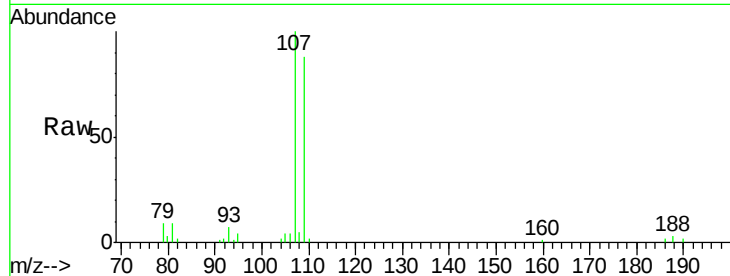
VW1221SBS01

Tgt Ion: 107 Resp: 11894

Ion Ratio Lower Upper

107 100

109 95.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

8000

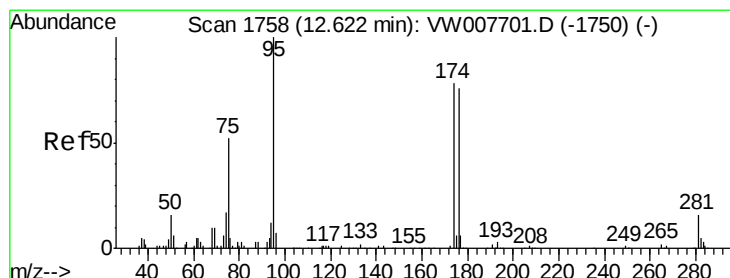
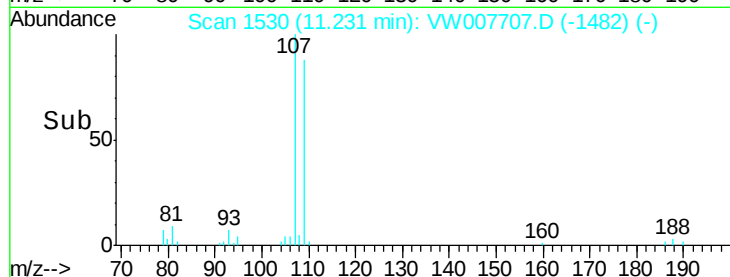
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 50.984 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

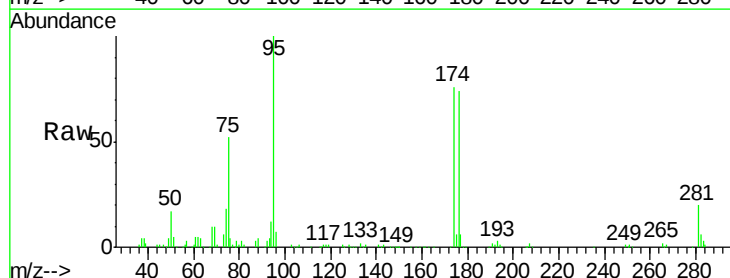
Tgt Ion: 95 Resp: 56764

Ion Ratio Lower Upper

95 100

174 76.5 0.0 152.2

176 74.0 0.0 146.8



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

50000

40000

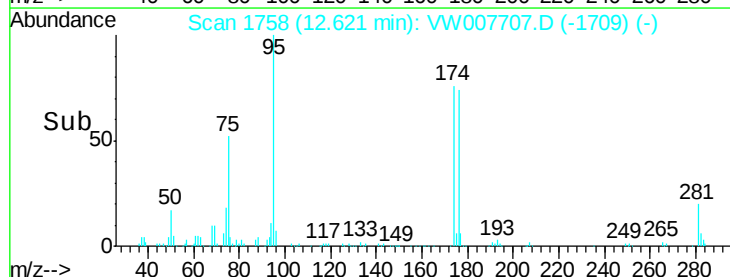
30000

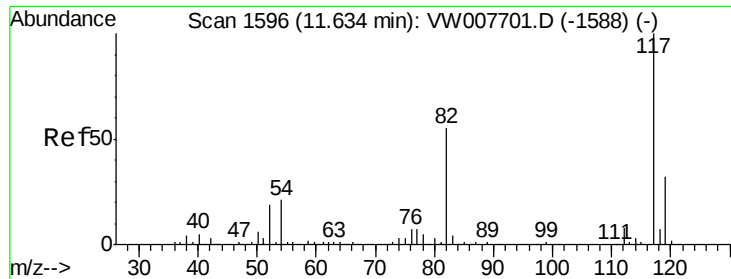
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

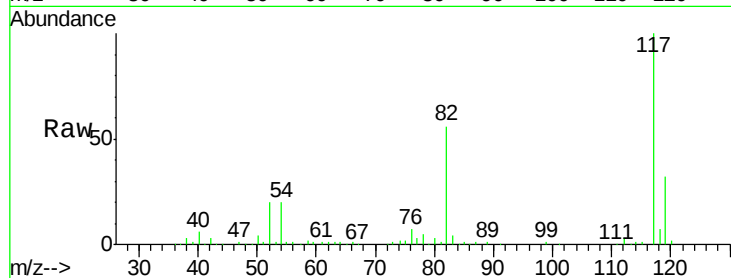




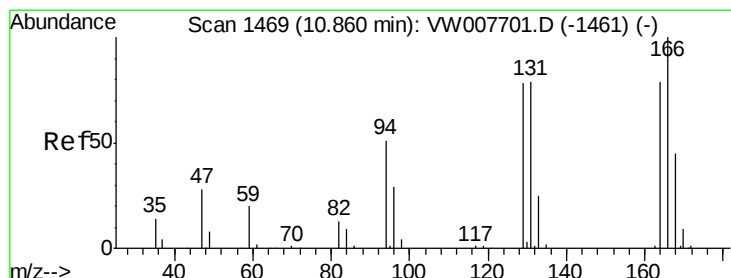
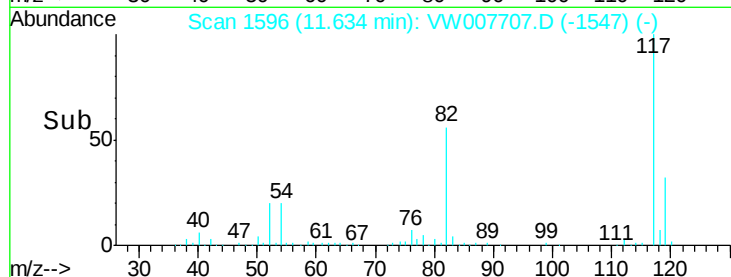
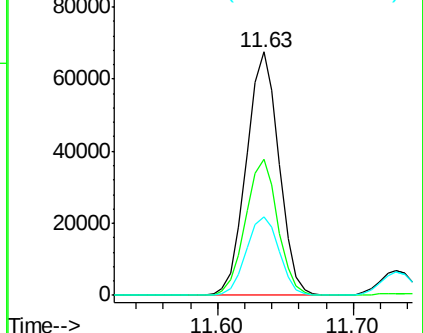
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:117 Resp: 113247
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.2 25.7 38.5

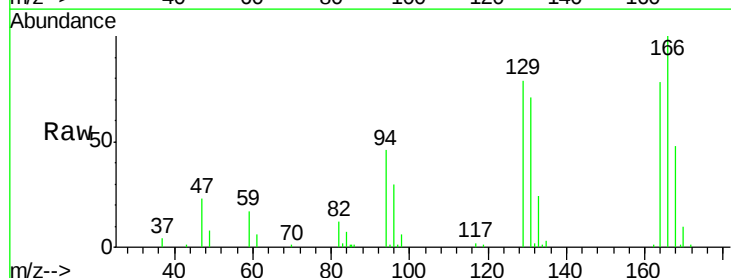


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

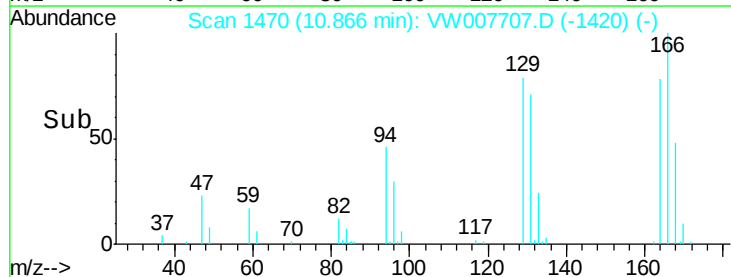
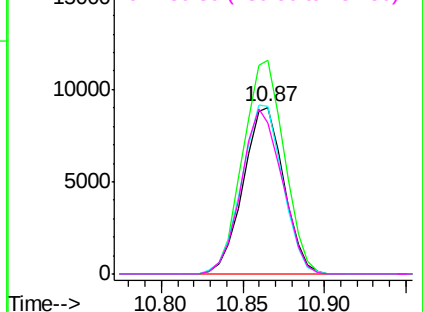


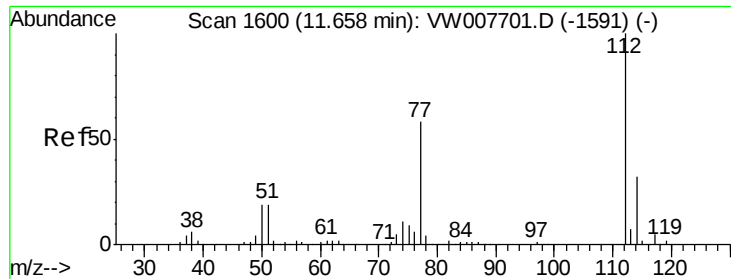
#64
Tetrachloroethene
Concen: 19.519 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion:164 Resp: 15653
Ion Ratio Lower Upper
164 100
166 128.0 101.0 151.6
129 100.9 78.7 118.1
131 90.8 79.4 119.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

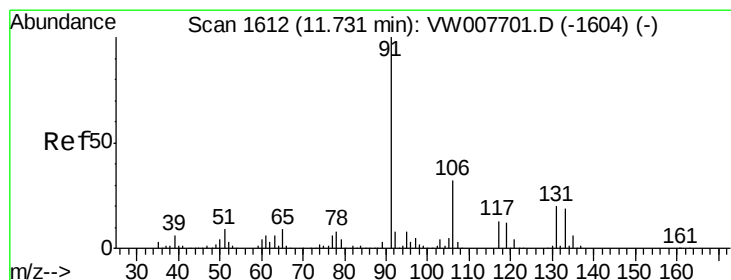
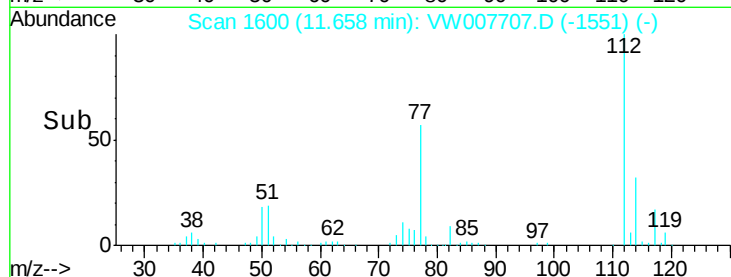
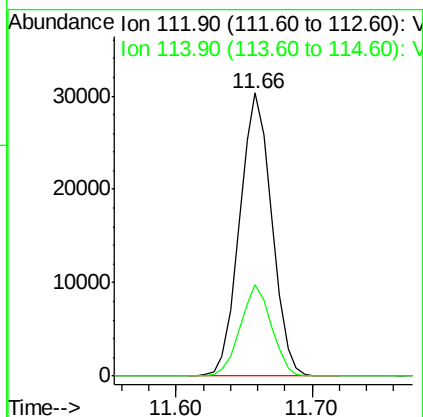
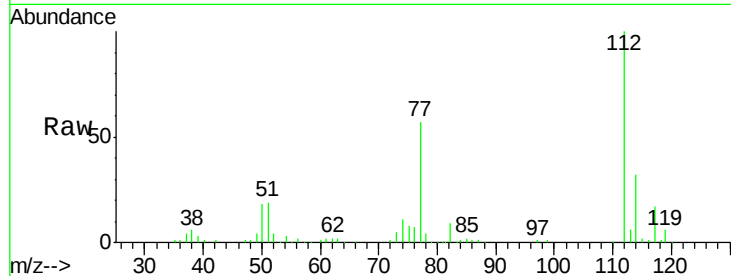




#65
Chlorobenzene
Concen: 20.424 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

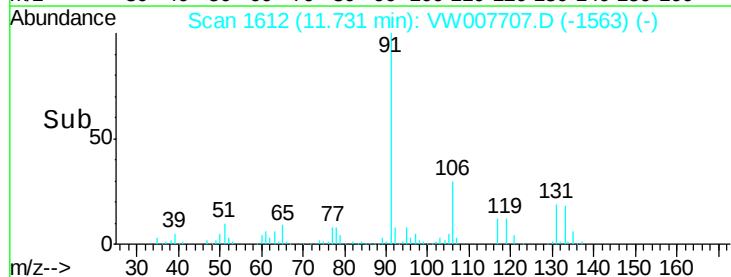
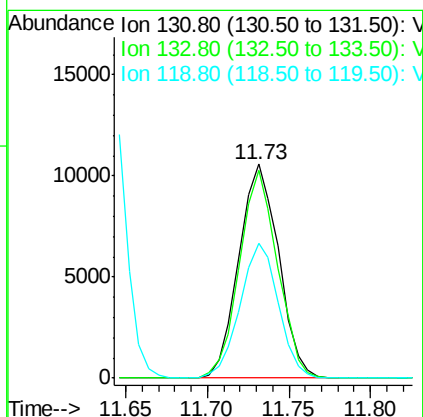
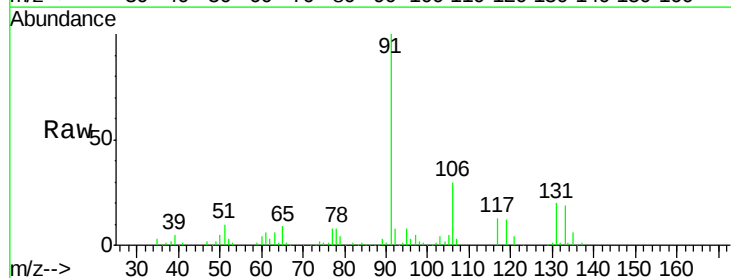
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

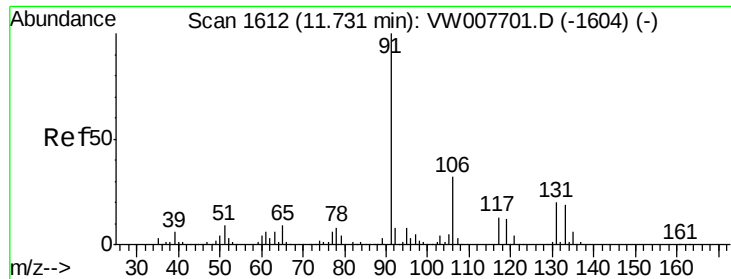
Tgt Ion:112 Resp: 50062
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.516 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion:131 Resp: 17969
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.5
119 60.8 30.2 90.6

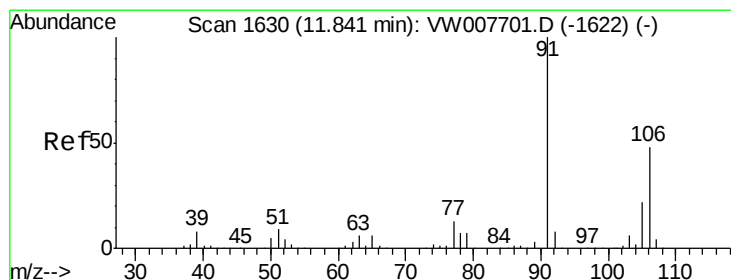
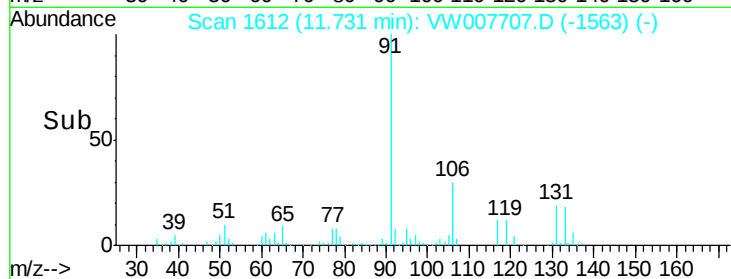
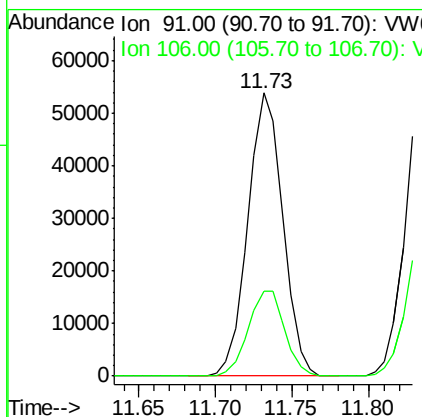
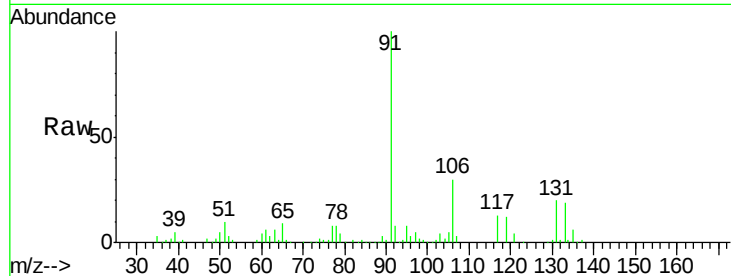




#67
Ethyl Benzene
Concen: 20.357 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

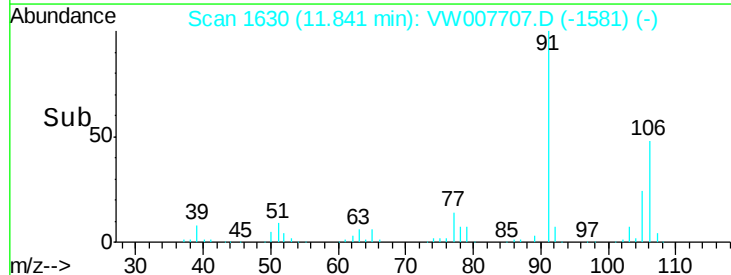
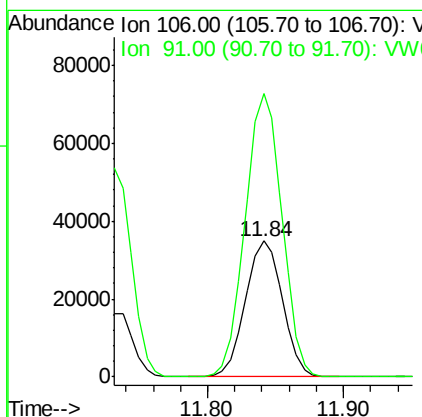
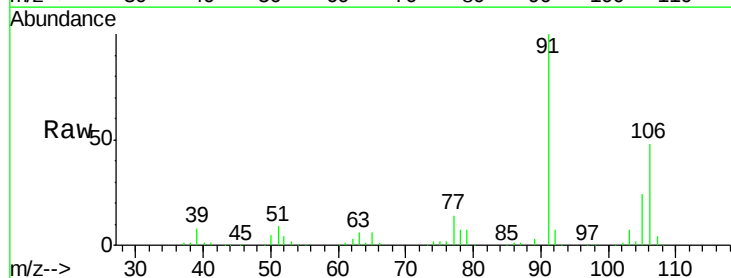
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 91 Resp: 85624
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.8



#68
m/p-Xylenes
Concen: 40.786 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 106 Resp: 66547
Ion Ratio Lower Upper
106 100
91 207.5 165.2 247.8

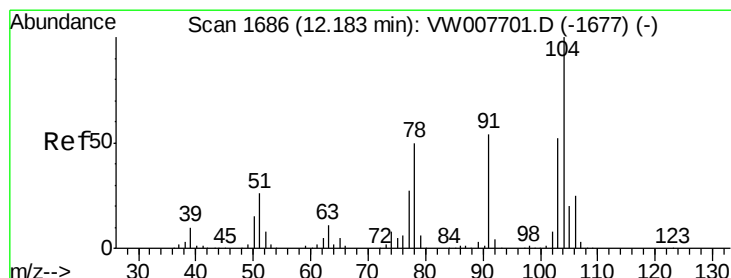
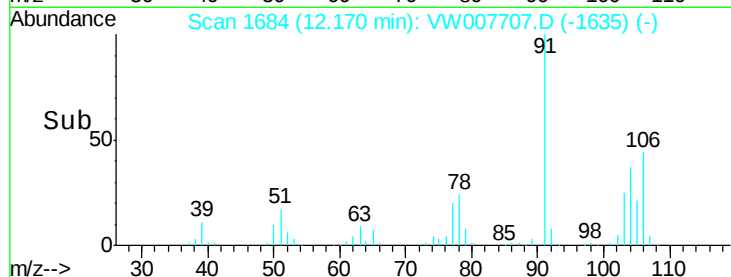
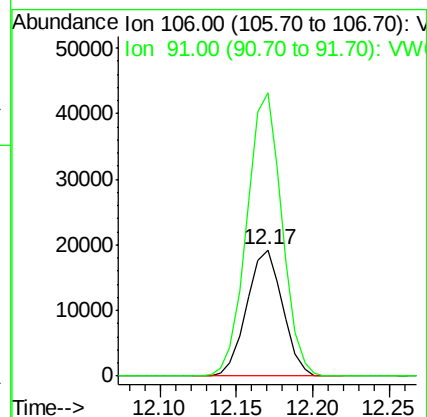
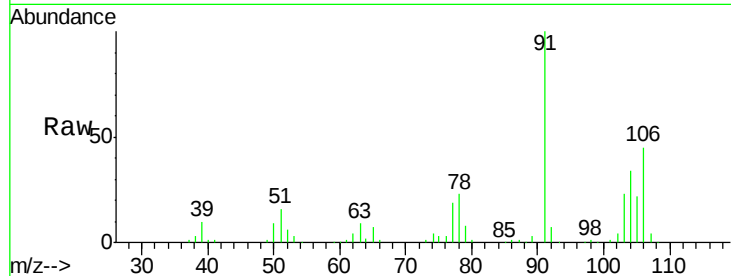




#69
o-Xylene
Concen: 20.485 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

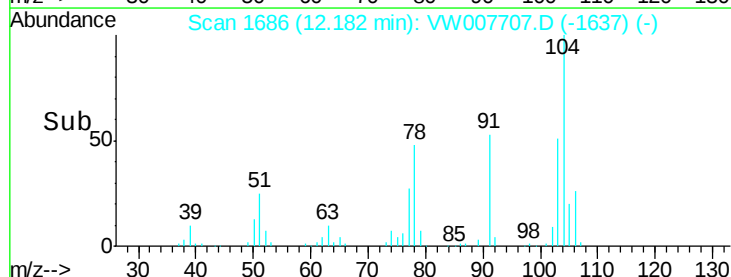
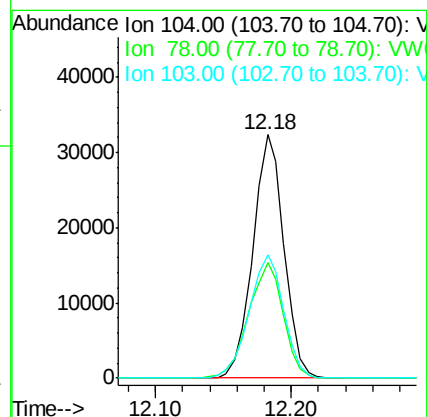
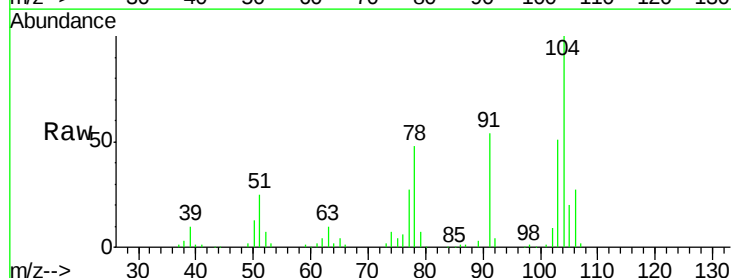
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:106 Resp: 31331
Ion Ratio Lower Upper
106 100
91 219.4 110.5 331.4



#70
Styrene
Concen: 20.624 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion:104 Resp: 51851
Ion Ratio Lower Upper
104 100
78 52.7 43.4 65.0
103 55.9 44.5 66.7





#71

Bromoform

Concen: 19.555 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

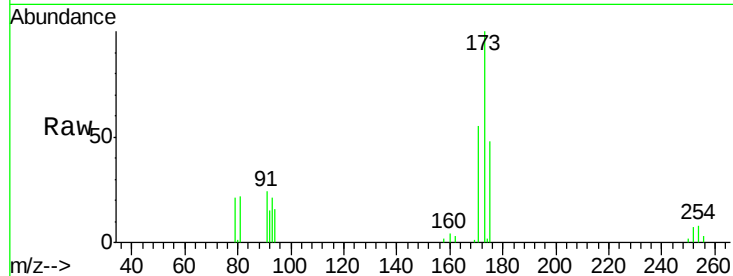
Tgt Ion:173 Resp: 8891

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.7

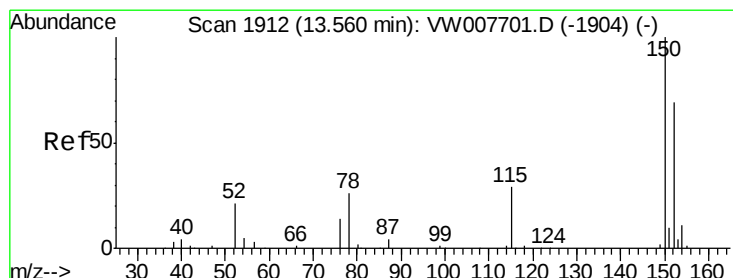
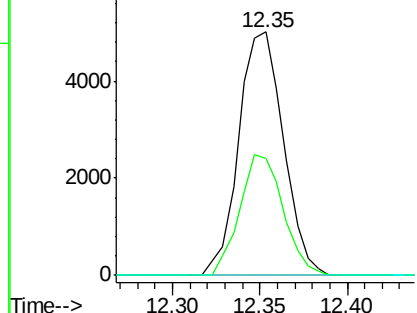
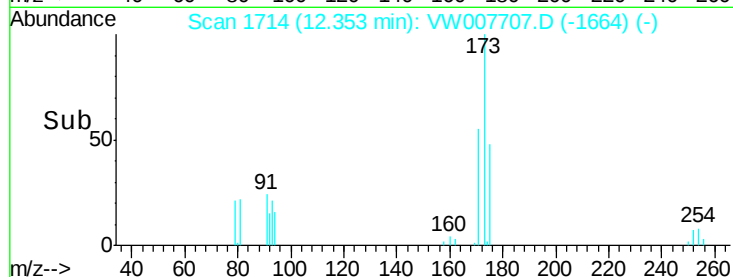
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

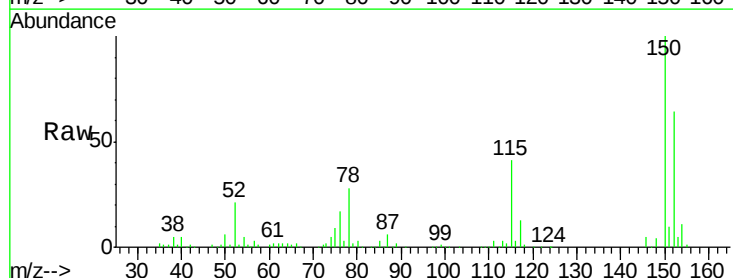
Tgt Ion:152 Resp: 59303

Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

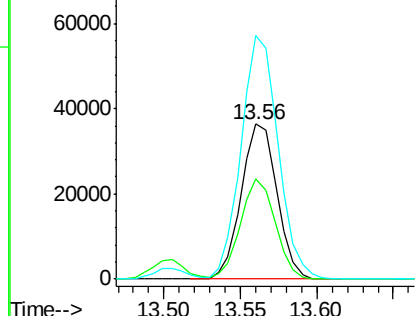
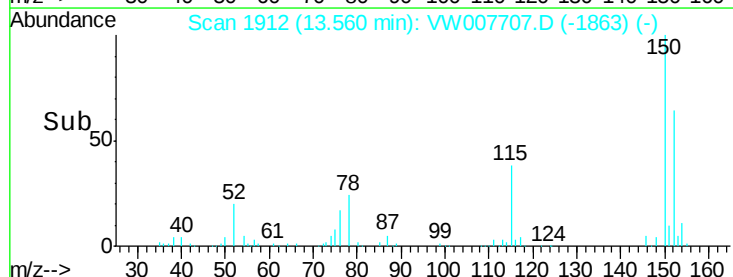
150 162.3 0.0 350.8

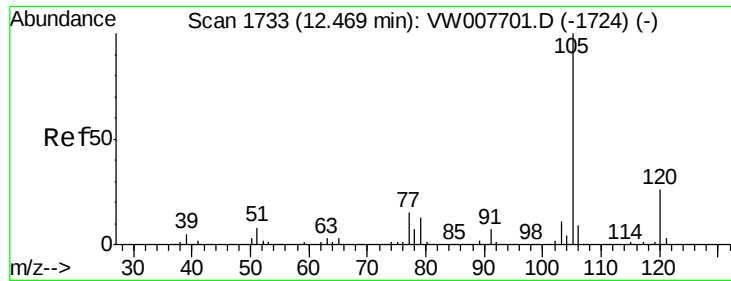


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.911 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

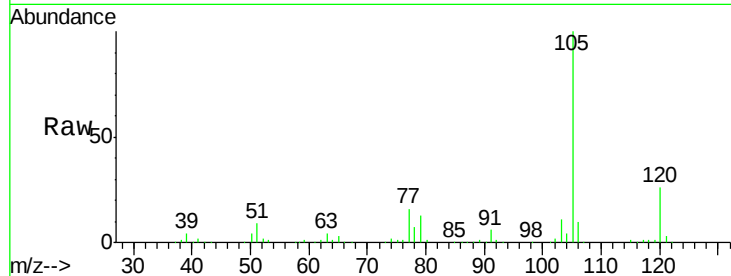
VW1221SBS01

Tgt Ion: 105 Resp: 89253

Ion Ratio Lower Upper

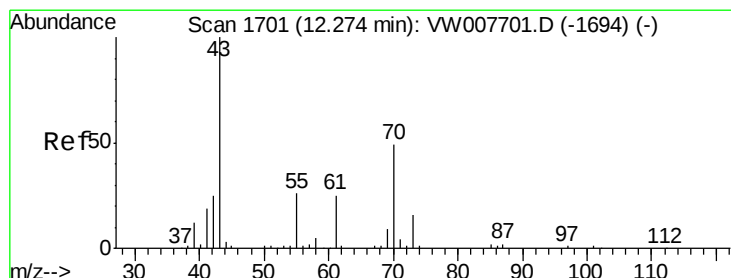
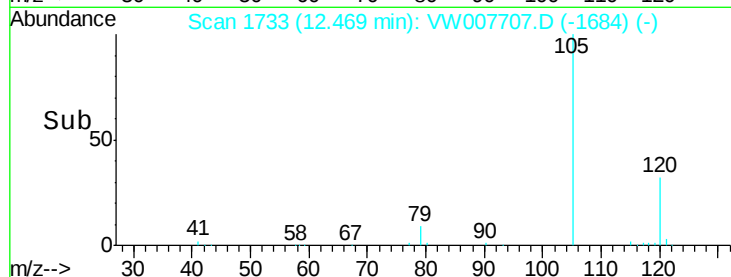
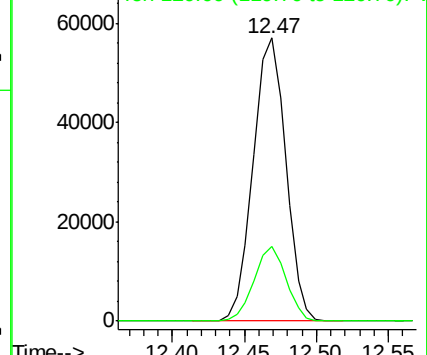
105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.300 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Tgt Ion: 43 Resp: 14986

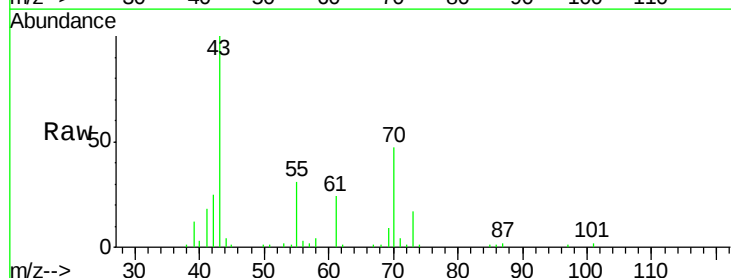
Ion Ratio Lower Upper

43 100

70 45.7 37.6 56.4

55 27.1 21.7 32.5

61 24.5 20.1 30.1

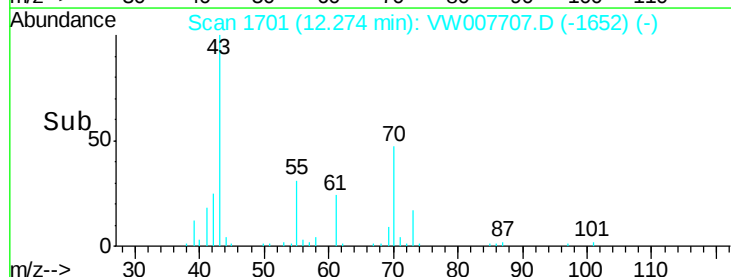
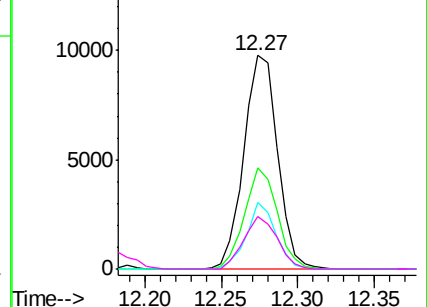


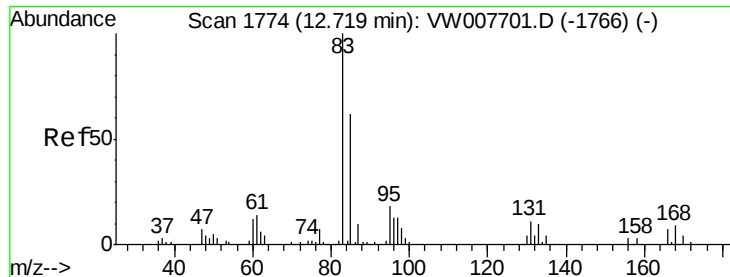
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.999 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

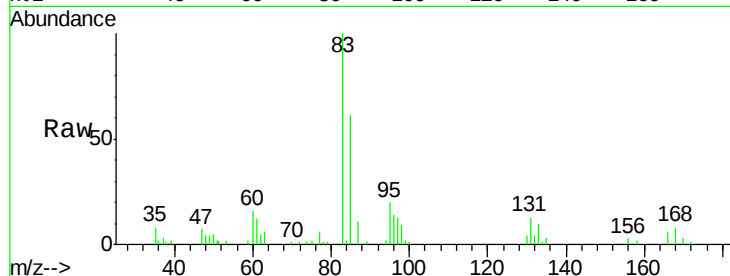
Tgt Ion: 83 Resp: 12769

Ion Ratio Lower Upper

83 100

131 13.0 6.3 18.8

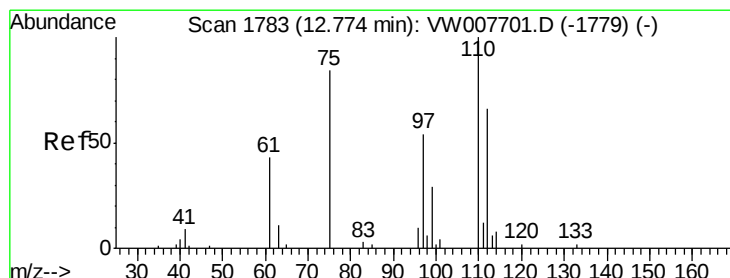
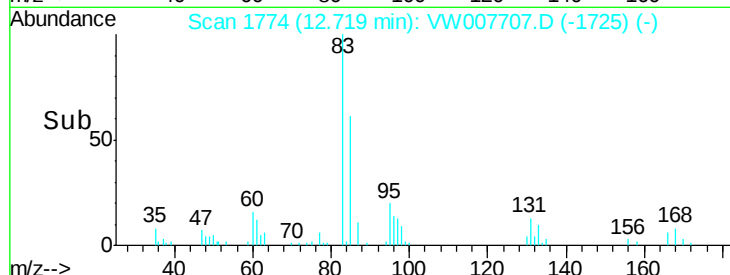
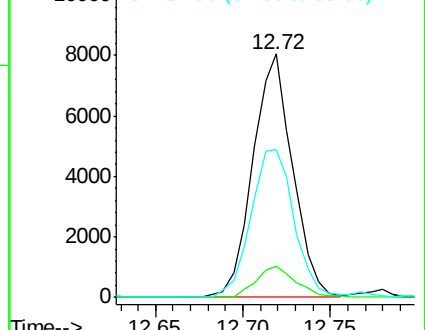
85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.947 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007707.D

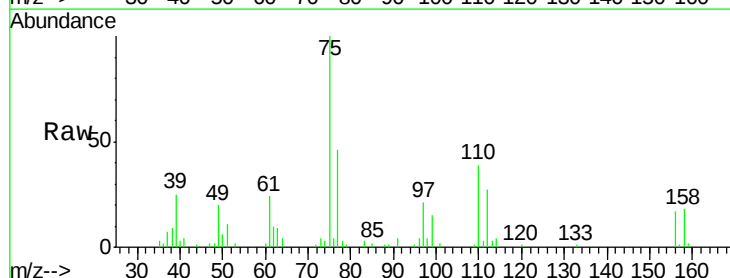
Acq: 19 Dec 2018 18:44

Tgt Ion: 75 Resp: 18310

Ion Ratio Lower Upper

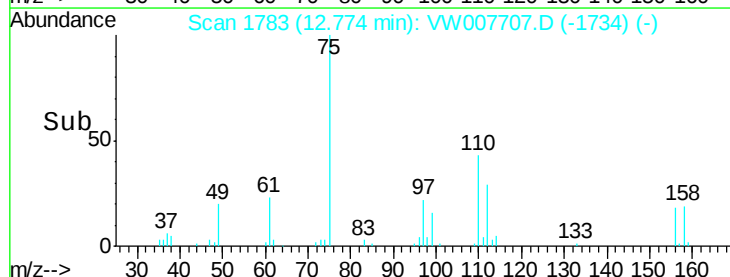
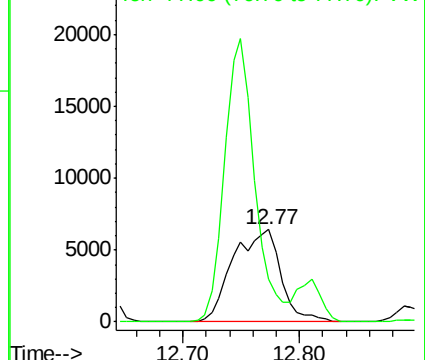
75 100

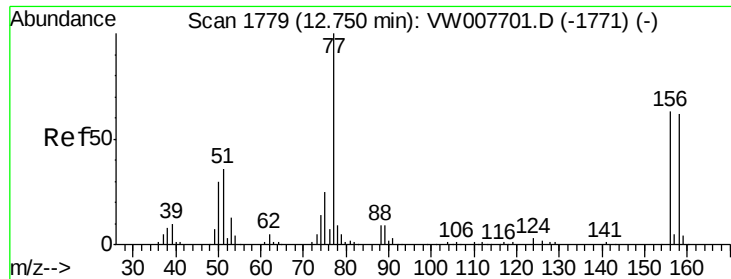
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.285 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

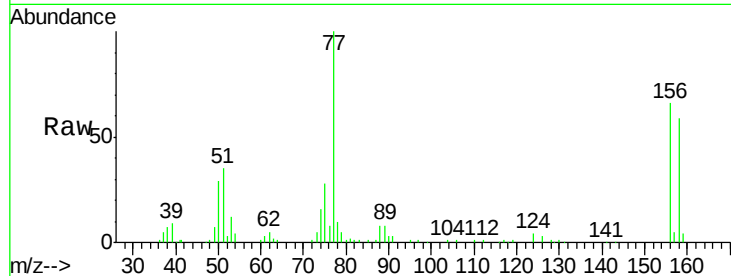
Tgt Ion:156 Resp: 20839

Ion Ratio Lower Upper

156 100

77 168.8 87.4 262.1

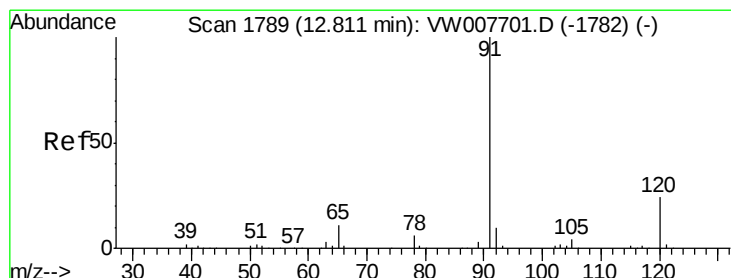
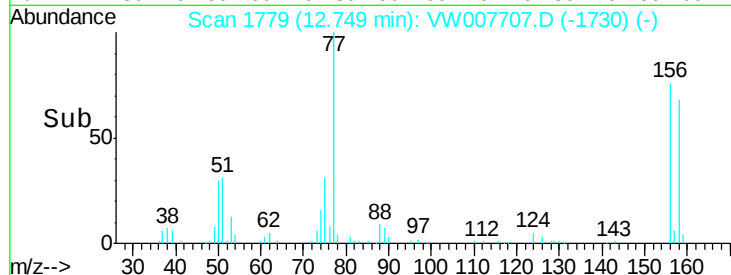
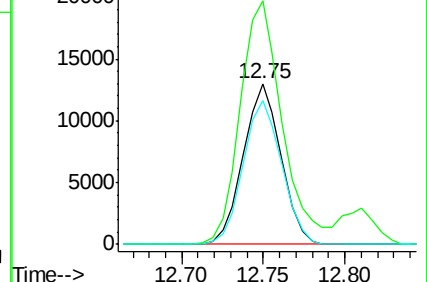
158 91.5 48.4 145.0



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: 19.890 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007707.D

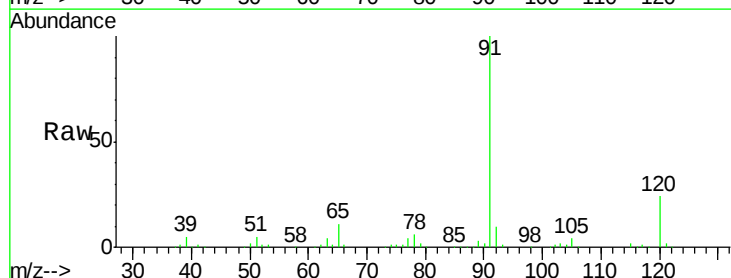
Acq: 19 Dec 2018 18:44

Tgt Ion: 91 Resp: 103786

Ion Ratio Lower Upper

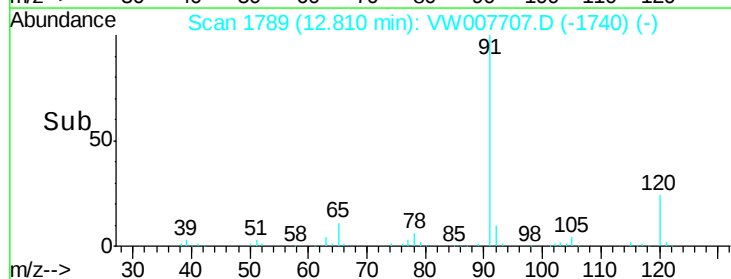
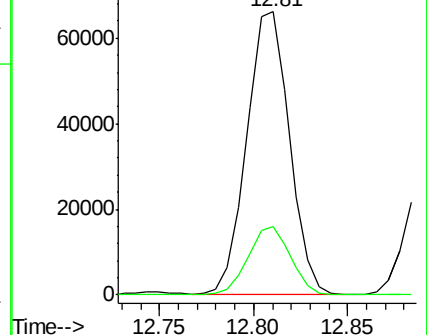
91 100

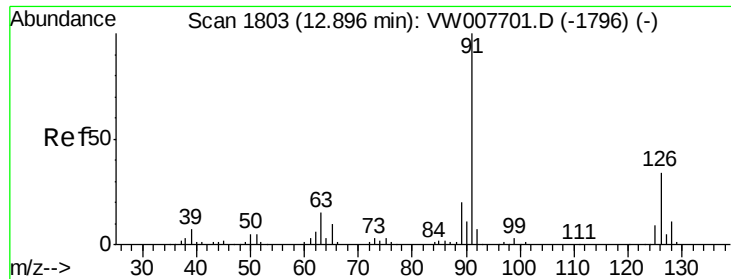
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

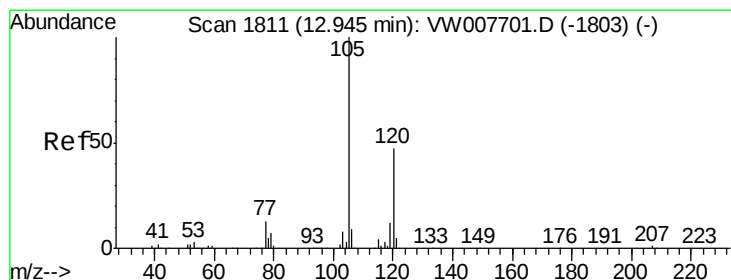
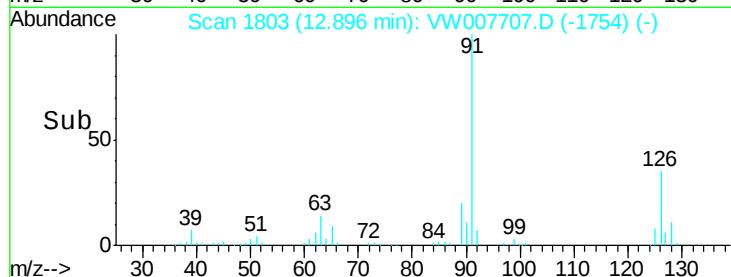
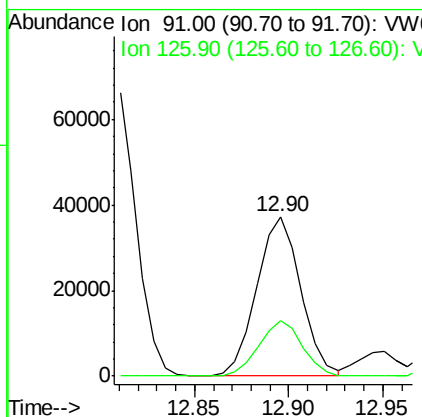
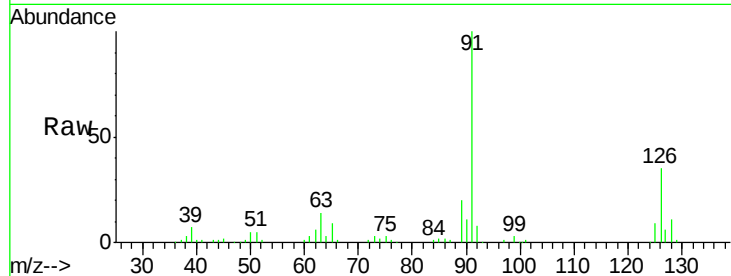




#79
 2-Chlorotoluene
 Concen: 19.852 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

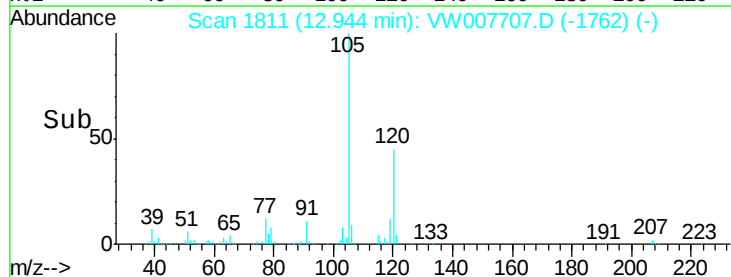
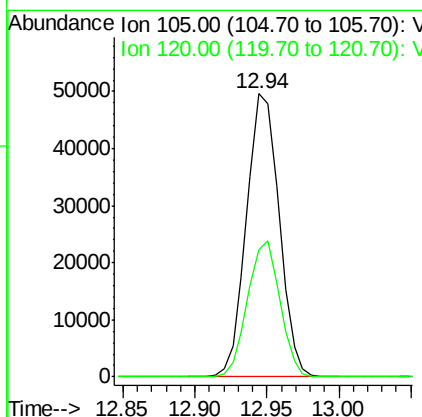
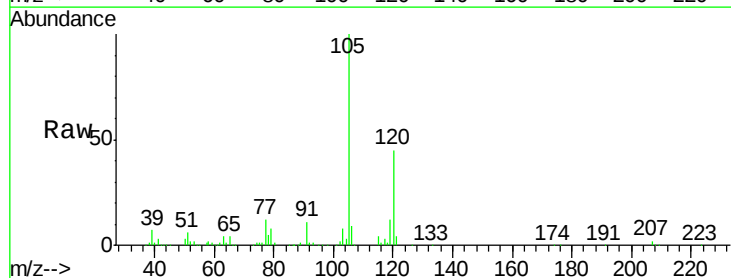
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

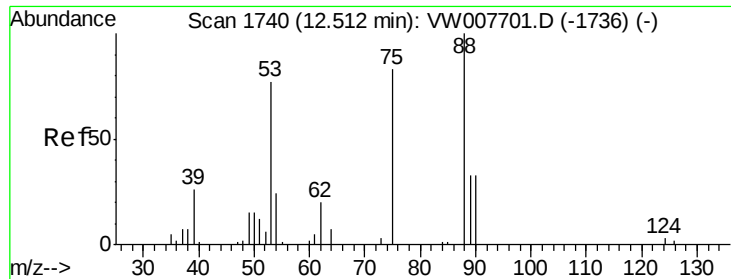
Tgt Ion: 91 Resp: 60346
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.148 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 105 Resp: 77903
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 70.8

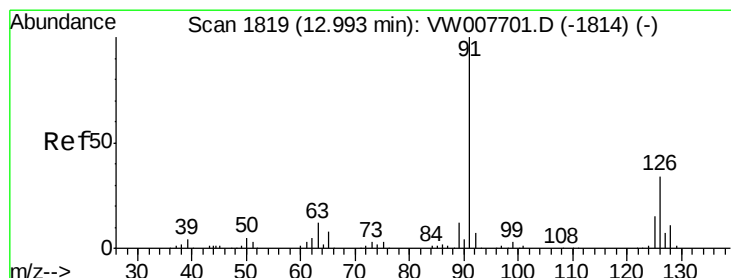
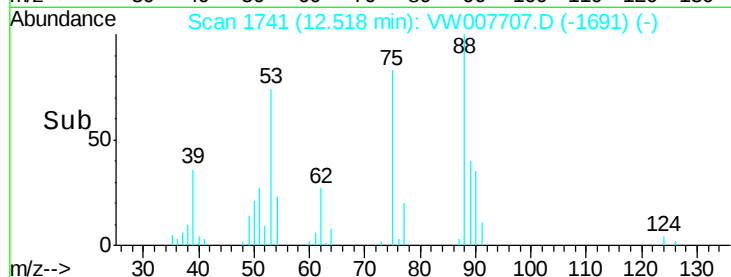
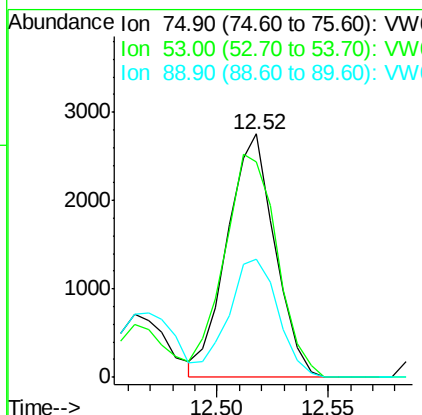
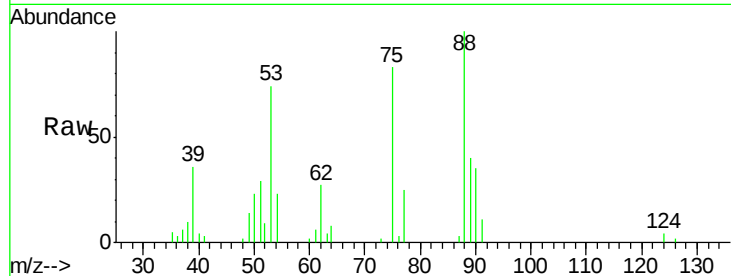




#81
trans-1,4-Dichloro-2-butene
Concen: 18.795 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

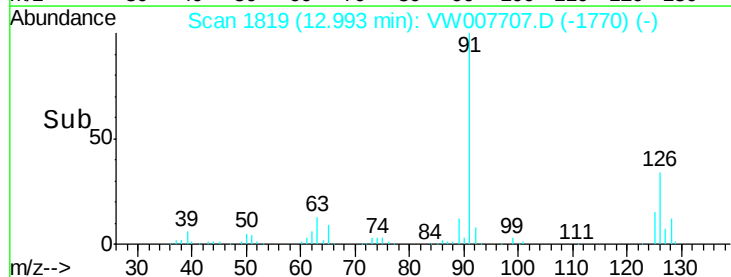
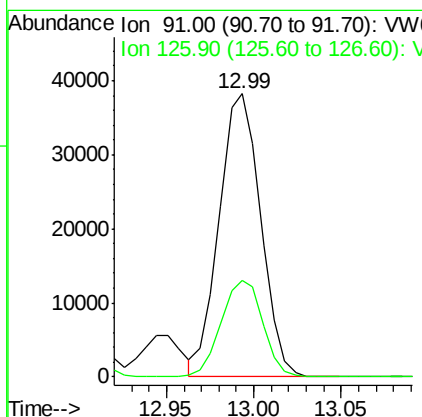
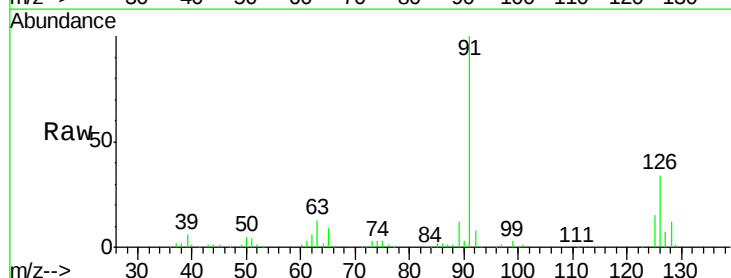
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

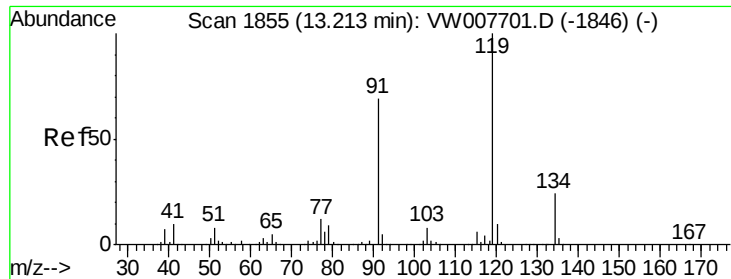
Tgt Ion: 75 Resp: 4104
Ion Ratio Lower Upper
75 100
53 101.6 80.2 120.2
89 51.1 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.490 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion: 91 Resp: 63083
Ion Ratio Lower Upper
91 100
126 34.2 16.5 49.5

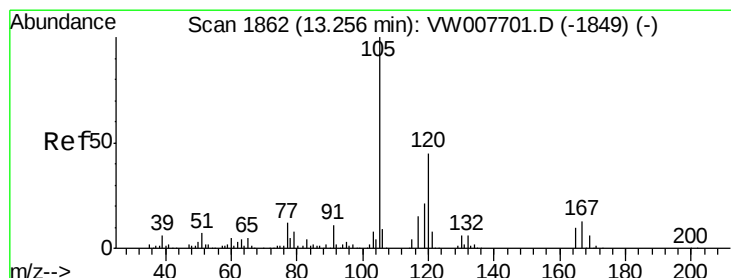
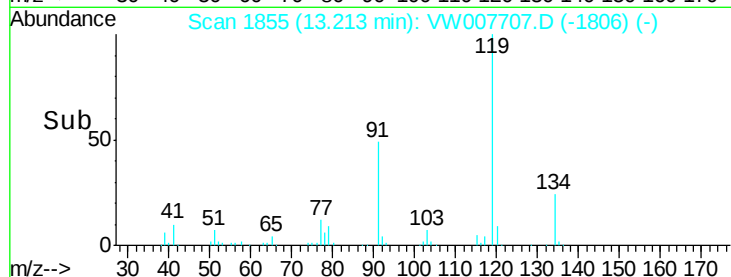
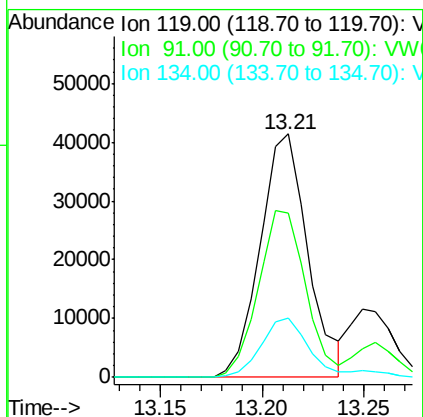
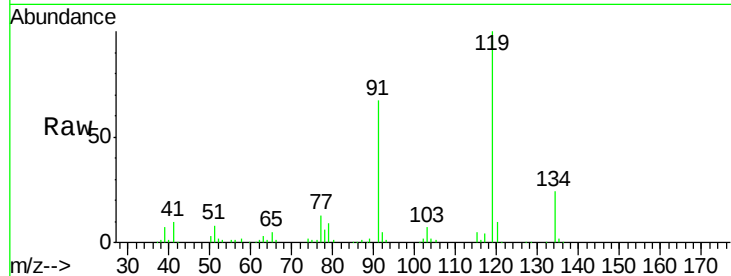




#83
tert-Butylbenzene
Concen: 19.920 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

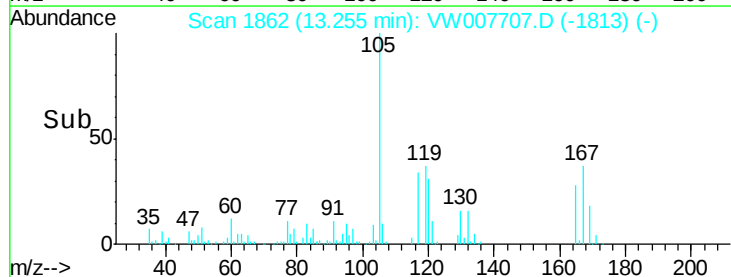
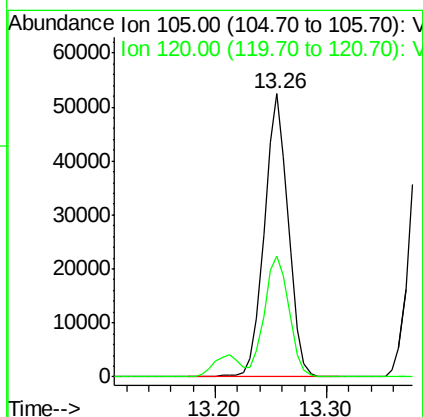
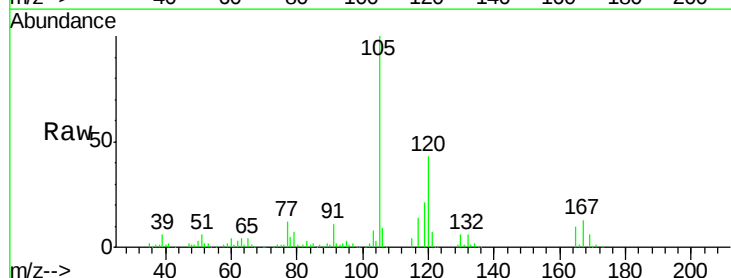
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

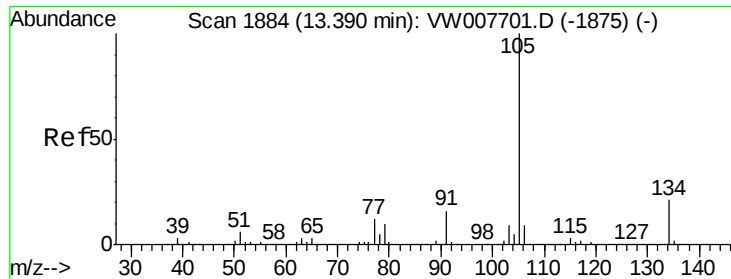
Tgt Ion:119 Resp: 67582
Ion Ratio Lower Upper
119 100
91 67.8 34.2 102.5
134 24.3 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.169 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion:105 Resp: 78692
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0

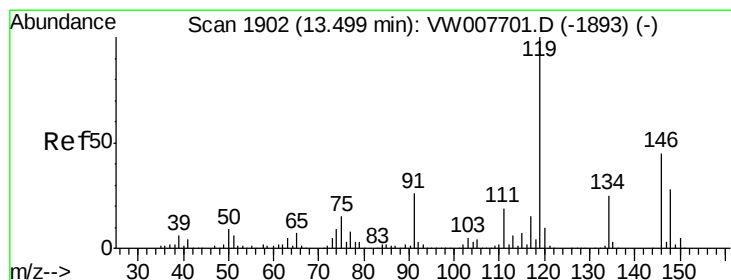
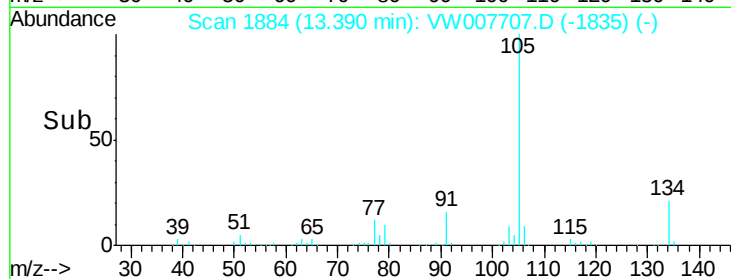
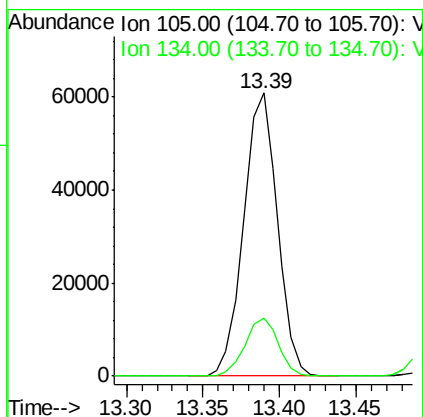
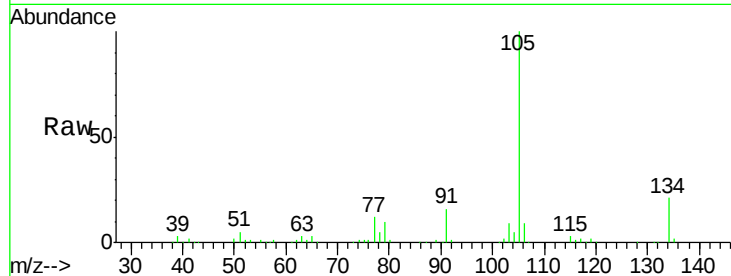




#85
 sec-Butylbenzene
 Concen: 19.909 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

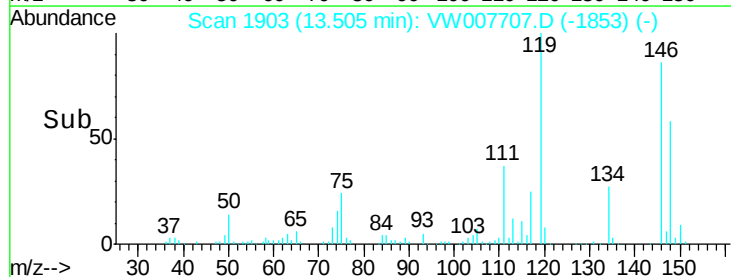
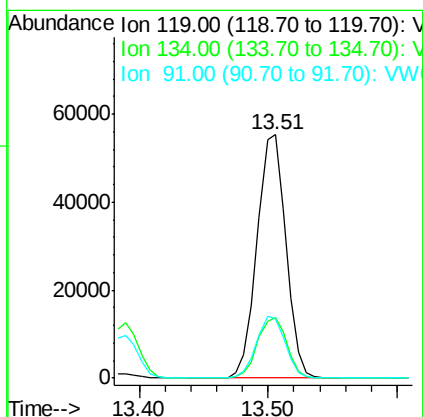
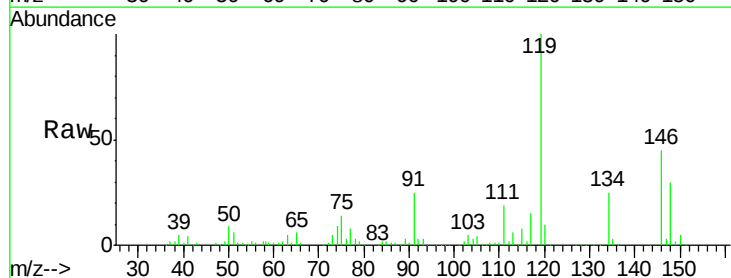
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

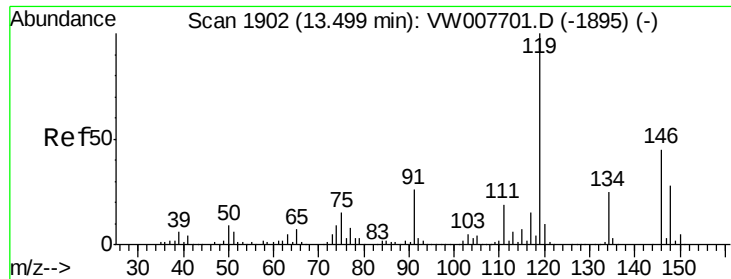
Tgt Ion:105 Resp: 93089
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.090 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion:119 Resp: 85418
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 25.3 12.8 38.4

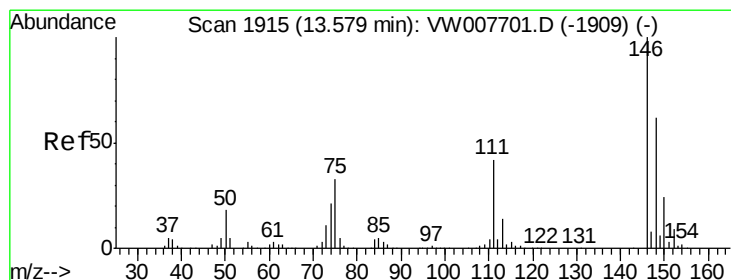
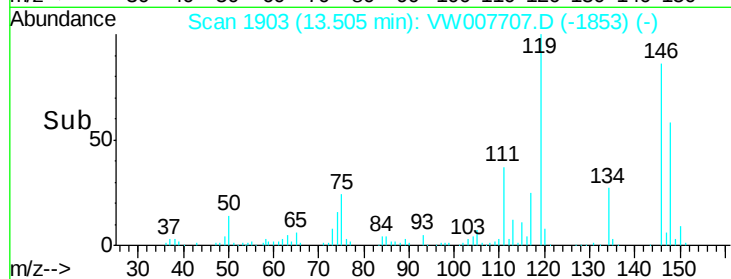
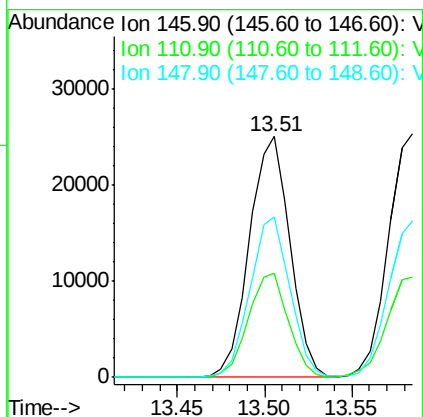
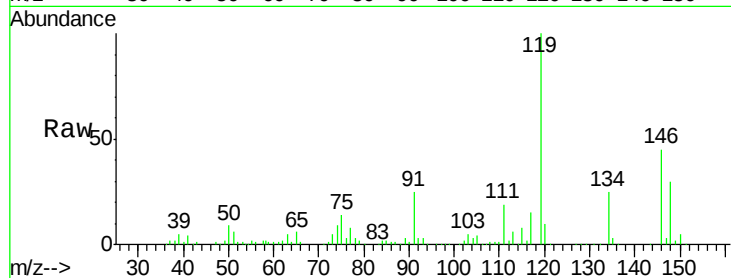




#87
 1,3-Dichlorobenzene
 Concen: 19.771 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

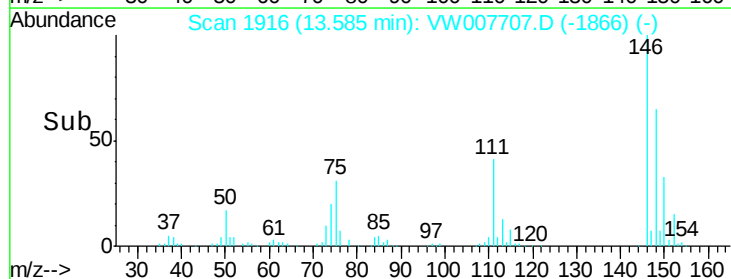
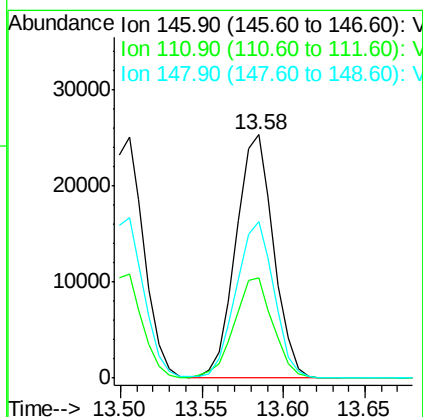
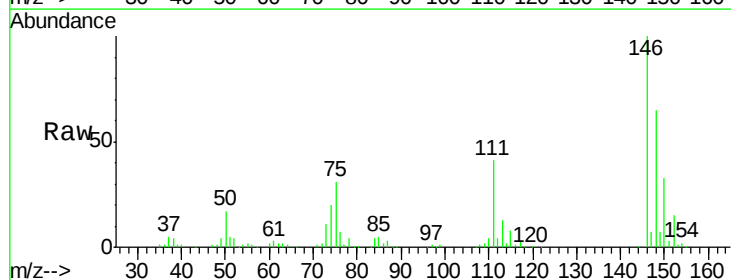
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

Tgt Ion:146 Resp: 40327
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.4
 148 65.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.931 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion:146 Resp: 40666
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.0 63.0
 148 65.3 31.8 95.4





#89

n-Butylbenzene

Concen: 20.254 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007707.D

Acq: 19 Dec 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

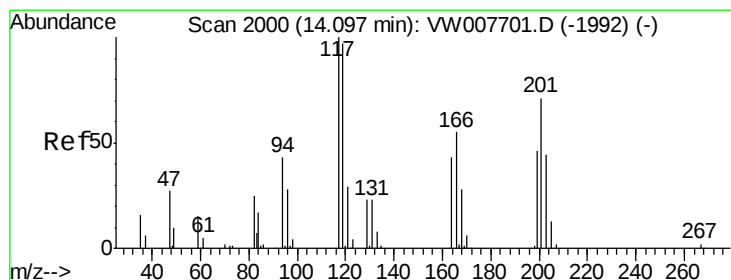
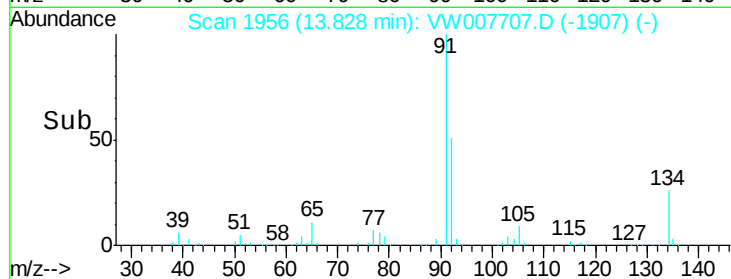
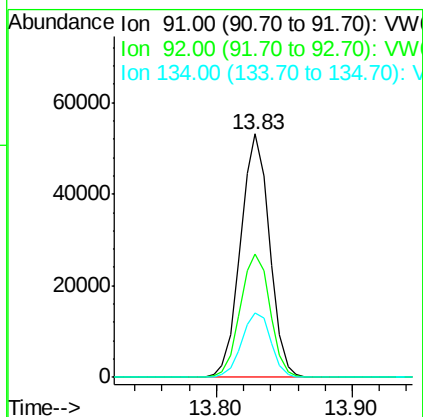
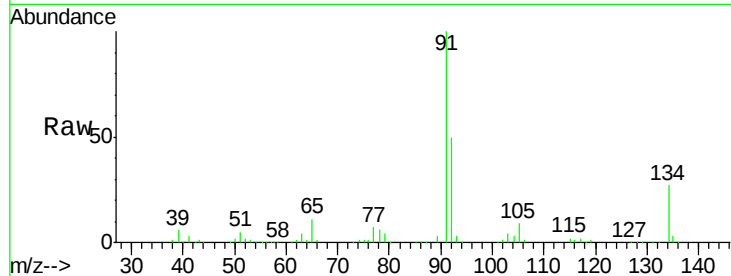
Tgt Ion: 91 Resp: 78956

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.2

134 27.1 13.7 41.0



#90

Hexachloroethane

Concen: 18.993 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007707.D

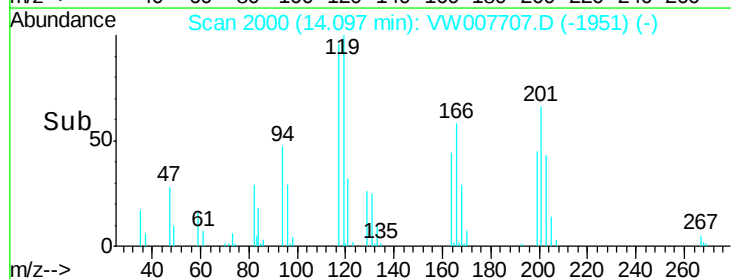
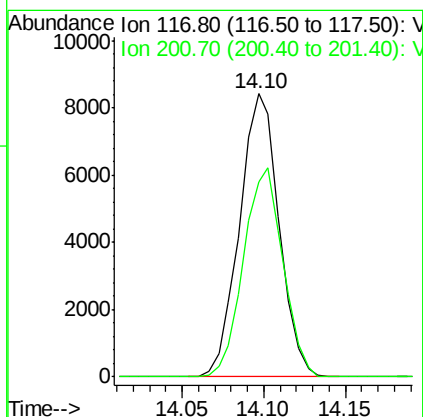
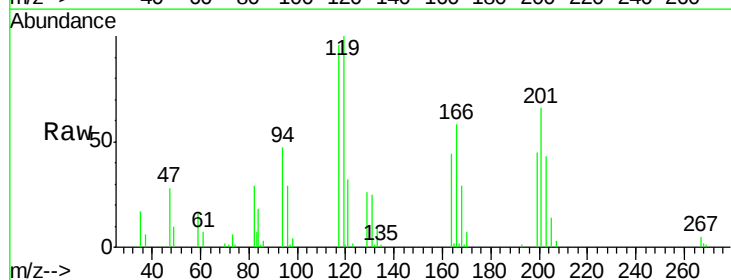
Acq: 19 Dec 2018 18:44

Tgt Ion: 117 Resp: 14177

Ion Ratio Lower Upper

117 100

201 73.5 36.2 108.6

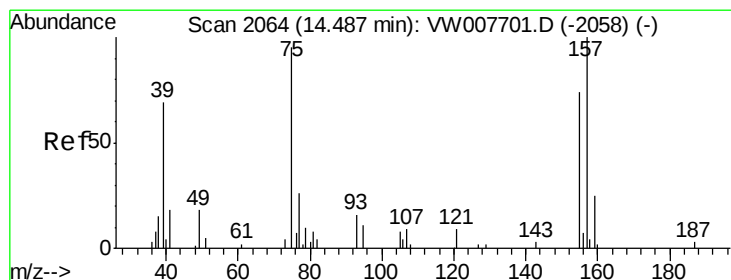
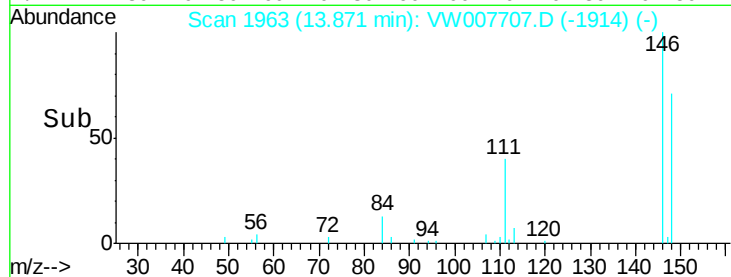
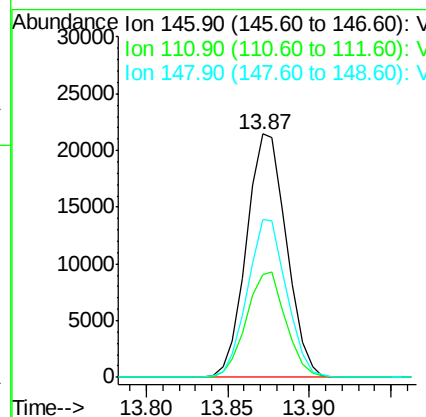
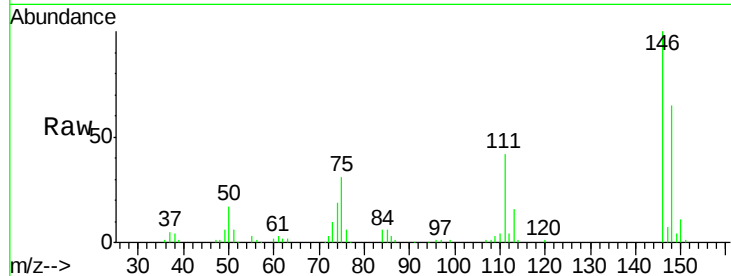




#91
 1,2-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

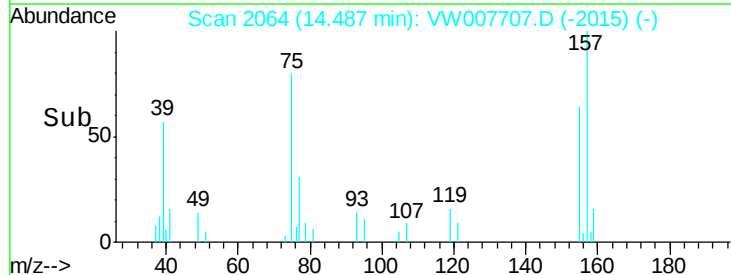
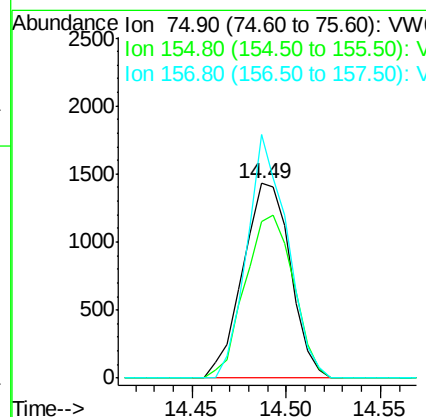
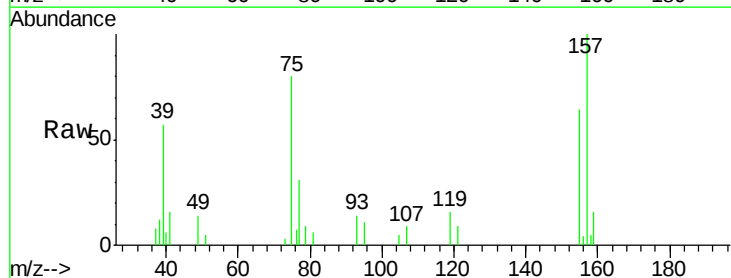
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

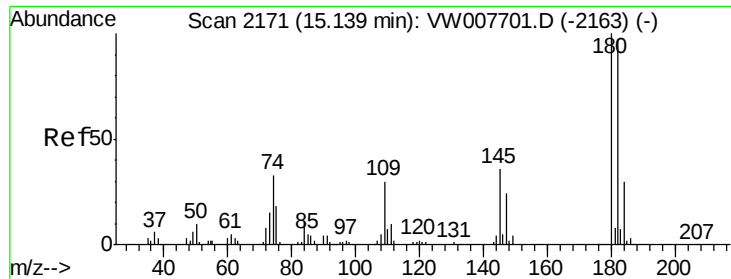
Tgt Ion: 146 Resp: 36516
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.7 65.1
 148 63.6 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.134 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion: 75 Resp: 2503
 Ion Ratio Lower Upper
 75 100
 155 85.3 39.4 118.1
 157 105.6 52.0 156.0

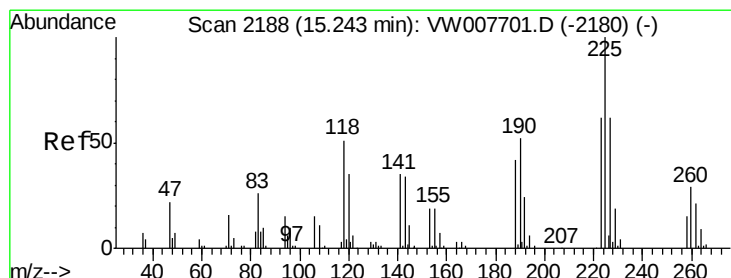
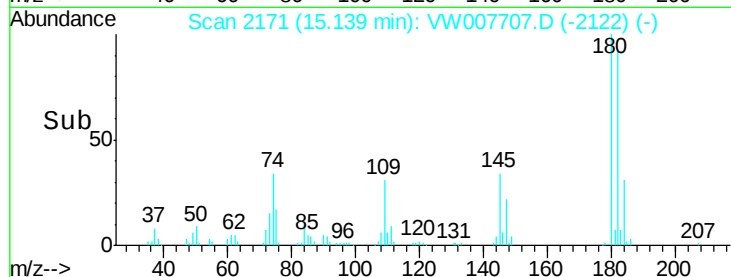
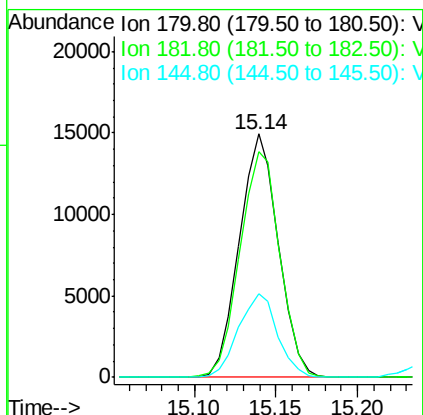
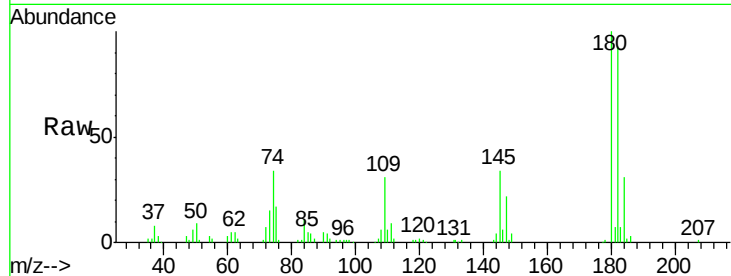




#93
 1,2,4-Trichlorobenzene
 Concen: 19.559 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

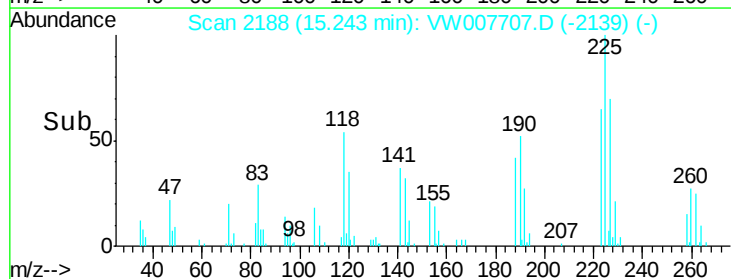
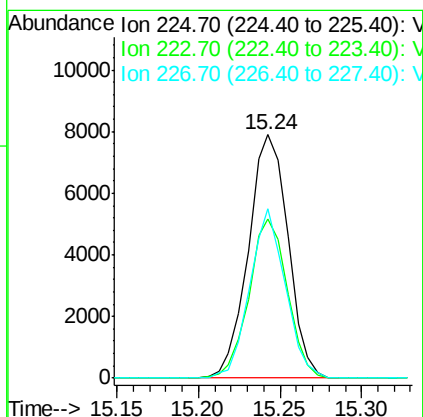
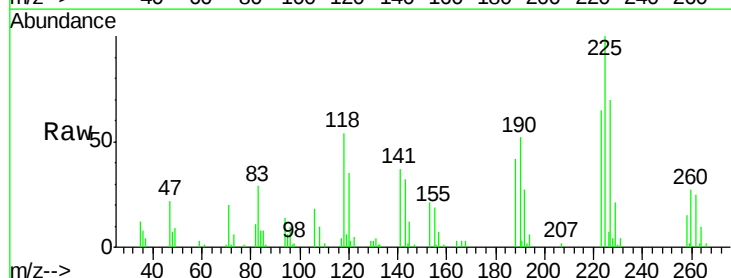
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

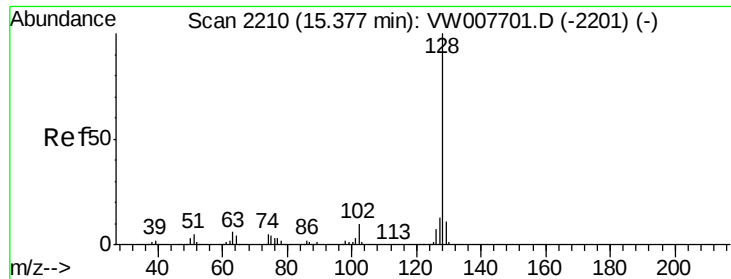
Tgt Ion:180 Resp: 24795
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.5 142.6
 145 34.5 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 19.762 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007707.D
 Acq: 19 Dec 2018 18:44

Tgt Ion:225 Resp: 13388
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 94.8
 227 62.2 32.1 96.3

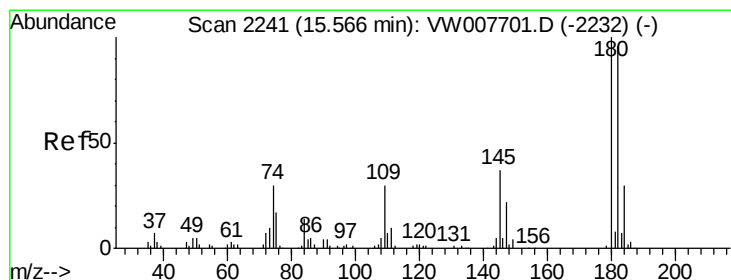
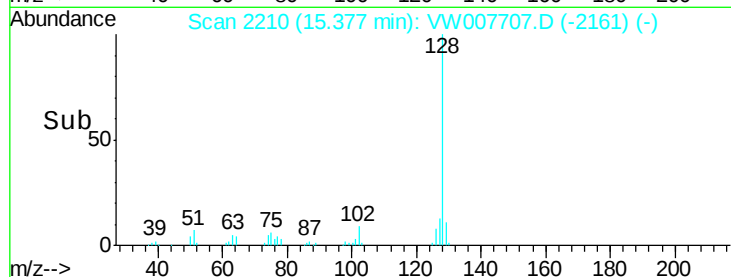
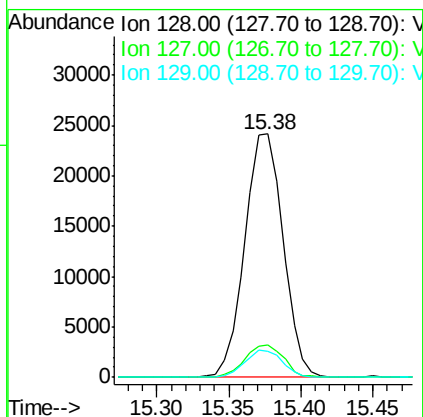
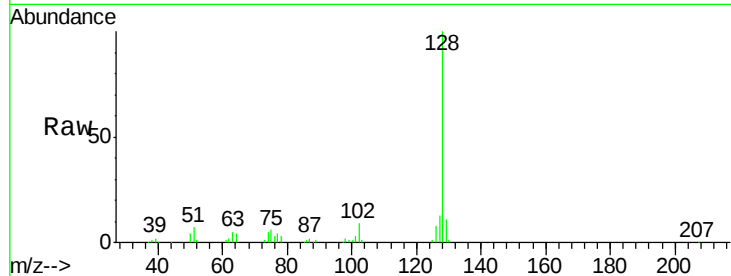




#95
Naphthalene
Concen: 18.989 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:128 Resp: 44506
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.357 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007707.D
Acq: 19 Dec 2018 18:44

Tgt Ion:180 Resp: 21005
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.2
145 36.5 18.4 55.0

