

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007708.D
 Acq On : 19 Dec 2018 19:10
 Operator : SY/AP
 Sample : VW1221SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

Quant Time: Dec 20 06:49:47 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	75740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	43365	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.88	113	38630	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	145627	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	56403	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	11656	17.311	ug/l	97
3) Chloromethane	2.21	50	8540	20.655	ug/l	98
4) Vinyl Chloride	2.37	62	10410	19.779	ug/l	94
5) Bromomethane	2.78	94	7075	19.300	ug/l	95
6) Chloroethane	2.92	64	5643	20.041	ug/l	90
7) Trichlorofluoromethane	3.25	101	9834	17.947	ug/l	99
8) Diethyl Ether	3.68	74	6753	20.121	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14592	18.082	ug/l	96
10) Methyl Iodide	4.27	142	24787	19.314	ug/l	99
11) Tert butyl alcohol	5.17	59	6866	122.608	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	14849	19.871	ug/l	87
13) Acrolein	3.89	56	4291	95.834	ug/l	98
14) Allyl chloride	4.66	41	19060	19.450	ug/l	99
15) Acrylonitrile	5.36	53	13916	97.203	ug/l	96
16) Acetone	4.12	43	15424	99.220	ug/l	96
17) Carbon Disulfide	4.38	76	43074	18.627	ug/l	99
18) Methyl Acetate	4.67	43	7397	20.008	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	21973	20.482	ug/l	94
20) Methylene Chloride	4.91	84	16630	17.263	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	15367	18.698	ug/l	90
22) Diisopropyl ether	6.31	45	36104	19.676	ug/l #	89
23) Vinyl Acetate	6.26	43	109568	100.506	ug/l	97
24) 1,1-Dichloroethane	6.21	63	26032	19.285	ug/l	98
25) 2-Butanone	7.17	43	17280	94.903	ug/l	95
26) 2,2-Dichloropropane	7.16	77	19551	19.793	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	17256	19.708	ug/l	99
28) Bromochloromethane	7.51	49	8839	19.205	ug/l	97
29) Tetrahydrofuran	7.53	42	10850	99.900	ug/l	99
30) Chloroform	7.68	83	30432	19.921	ug/l	99
31) Cyclohexane	7.95	56	23671	19.155	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	27136	19.504	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22582	19.264	ug/l	99
37) Ethyl Acetate	7.25	43	7972	19.706	ug/l	98
38) Carbon Tetrachloride	8.06	117	26602	19.269	ug/l	97

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 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	27709	19.023	ug/l	97
40) Benzene	8.32	78	61640	19.705	ug/l	98
41) Methacrylonitrile	7.48	41	4514	19.653	ug/l	97
42) 1,2-Dichloroethane	8.40	62	21257	20.278	ug/l	99
43) Isopropyl Acetate	8.43	43	15624	19.277	ug/l	99
44) Trichloroethene	9.09	130	18516	19.573	ug/l	98
45) 1,2-Dichloropropane	9.37	63	13640	19.652	ug/l	98
46) Dibromomethane	9.46	93	8567	20.051	ug/l	97
47) Bromodichloromethane	9.65	83	22135	19.706	ug/l	99
48) Methyl methacrylate	9.44	41	7784	19.240	ug/l	95
49) 1,4-Dioxane	9.45	88	2668	393.852	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	38905	101.568	ug/l	98
52) Toluene	10.39	92	41685	19.862	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21897	19.599	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	24925	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	11688	19.843	ug/l	98
56) Ethyl methacrylate	10.65	69	14166	20.355	ug/l	98
57) 1,3-Dichloropropane	10.93	76	19688	20.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	30756	96.795	ug/l	98
59) 2-Hexanone	10.97	43	27641	102.608	ug/l	99
60) Dibromochloromethane	11.13	129	15457	19.819	ug/l	100
61) 1,2-Dibromoethane	11.24	107	11771	19.734	ug/l	99
64) Tetrachloroethene	10.86	164	14790	18.781	ug/l	96
65) Chlorobenzene	11.66	112	47215	19.615	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	16649	19.357	ug/l	97
67) Ethyl Benzene	11.73	91	81322	19.688	ug/l	98
68) m/p-Xylenes	11.84	106	63132	39.401	ug/l	99
69) o-Xylene	12.17	106	30551	20.341	ug/l	96
70) Styrene	12.18	104	48833	19.779	ug/l	99
71) Bromoform	12.35	173	8687	19.456	ug/l #	99
73) Isopropylbenzene	12.47	105	83458	19.184	ug/l	99
74) N-amyl acetate	12.27	43	15009	19.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	12792	19.612	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18284	41.103	ug/l #	100
77) Bromobenzene	12.75	156	19848	19.908	ug/l	98
78) n-propylbenzene	12.81	91	97413	19.236	ug/l	99
79) 2-Chlorotoluene	12.90	91	56948	19.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	73583	19.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4061	19.163	ug/l	93
82) 4-Chlorotoluene	12.99	91	61340	19.528	ug/l	100
83) tert-Butylbenzene	13.21	119	64126	19.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	74379	19.643	ug/l	100
85) sec-Butylbenzene	13.39	105	87146	19.205	ug/l	100
86) p-Isopropyltoluene	13.51	119	80300	19.461	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39184	19.795	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39053	19.723	ug/l	100
89) n-Butylbenzene	13.83	91	72794	19.241	ug/l	100
90) Hexachloroethane	14.10	117	14096	19.459	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	35279	19.905	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2473	18.462	ug/l	88

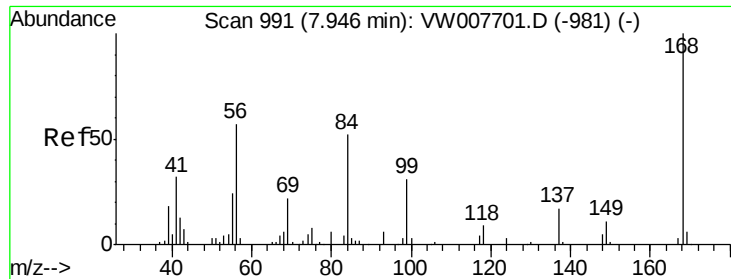
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23654	19.227	ug/l	100
94) Hexachlorobutadiene	15.24	225	12334	18.760	ug/l	99
95) Naphthalene	15.38	128	45056	19.809	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	20583	19.545	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

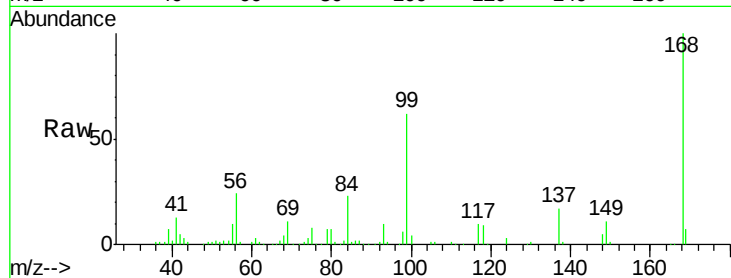
VW1221SBSD01

Tgt Ion: 168 Resp: 75740

Ion Ratio Lower Upper

168 100

99 62.0 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

30000

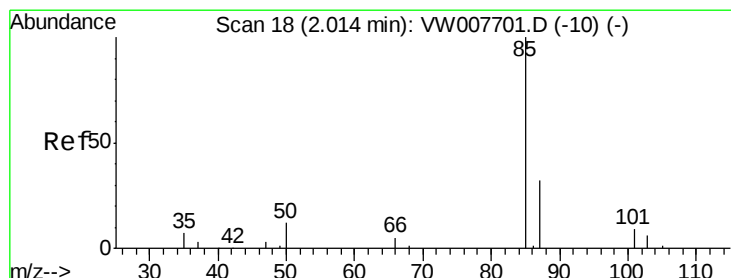
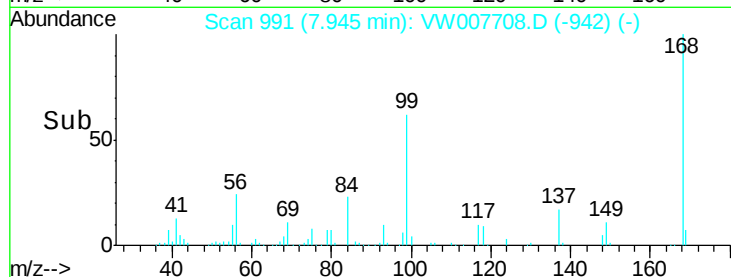
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.311 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007708.D

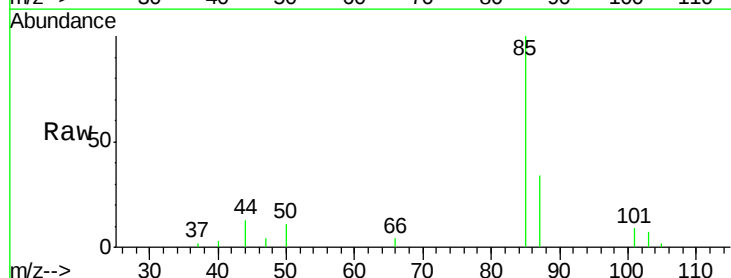
Acq: 19 Dec 2018 19:10

Tgt Ion: 85 Resp: 11656

Ion Ratio Lower Upper

85 100

87 34.0 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

4000

3000

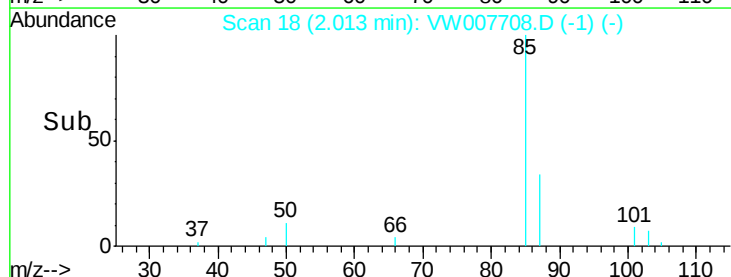
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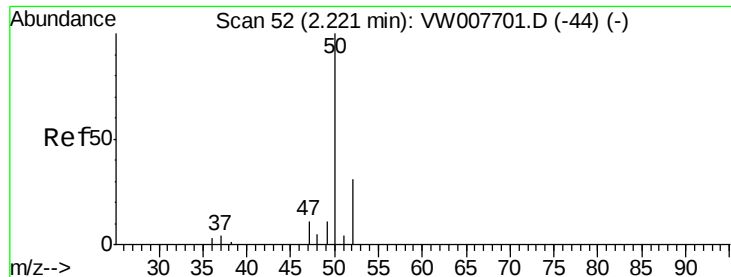
1000

0

1.95 2.00 2.05 2.10 2.15

Time-->





#3

Chloromethane

Concen: 20.655 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

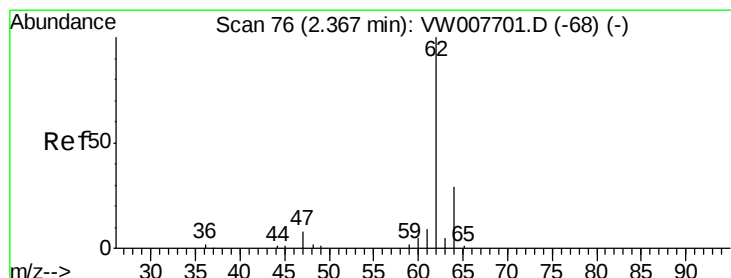
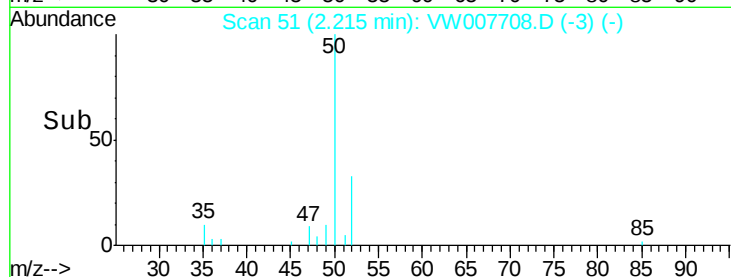
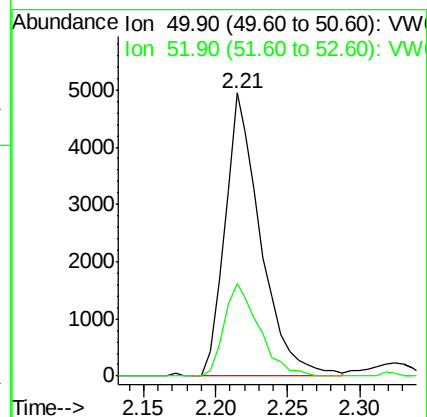
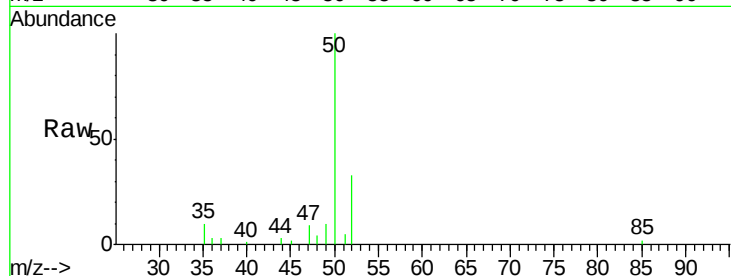
VW1221SBSD01

Tgt Ion: 50 Resp: 8540

Ion Ratio Lower Upper

50 100

52 32.6 25.1 37.7



#4

Vinyl Chloride

Concen: 19.779 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007708.D

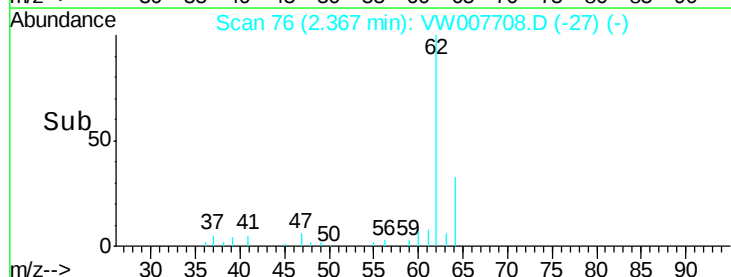
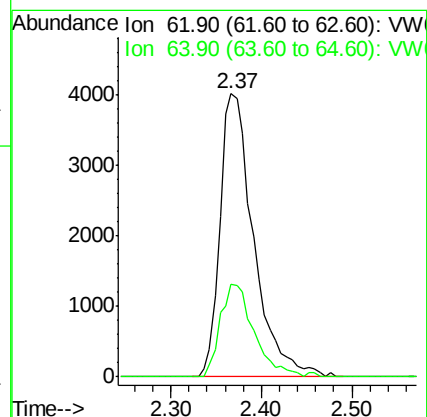
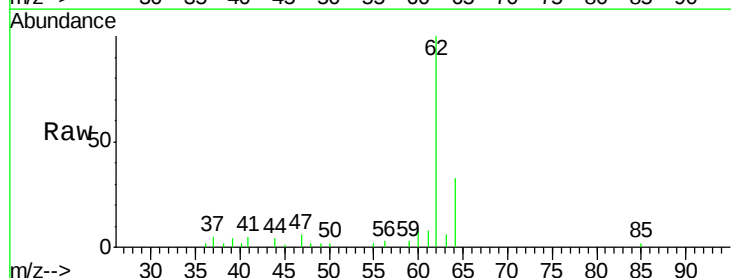
Acq: 19 Dec 2018 19:10

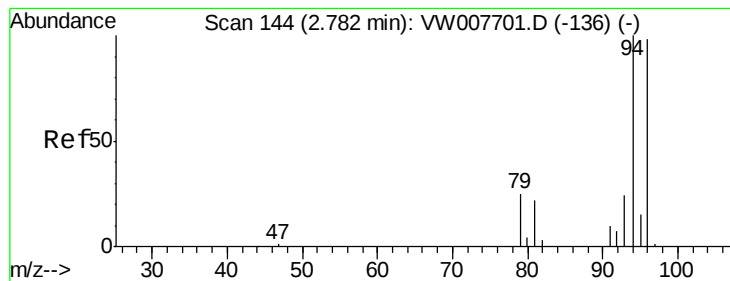
Tgt Ion: 62 Resp: 10410

Ion Ratio Lower Upper

62 100

64 32.6 23.4 35.0





#5

Bromomethane

Concen: 19.300 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

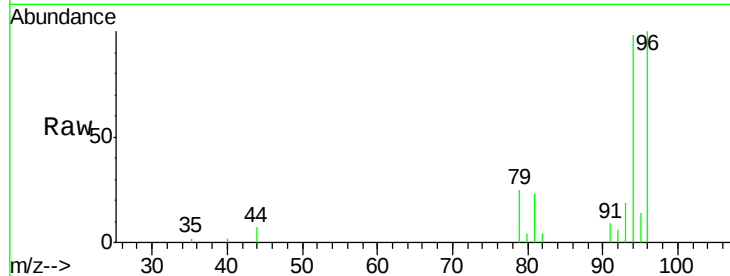
VW1221SBSD01

Tgt Ion: 94 Resp: 7075

Ion Ratio Lower Upper

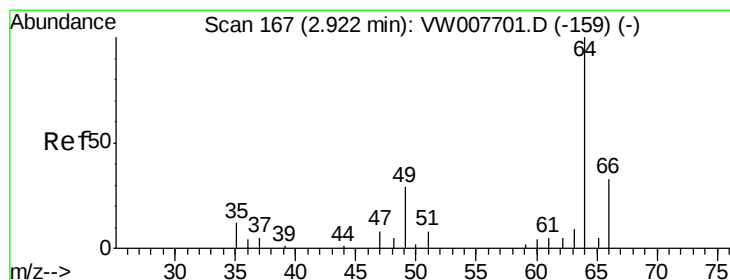
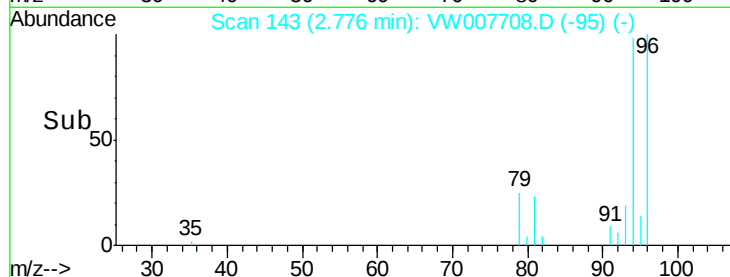
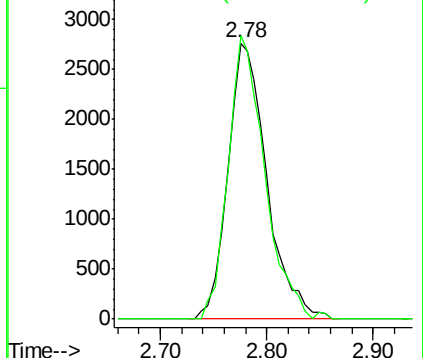
94 100

96 102.5 78.2 117.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.041 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007708.D

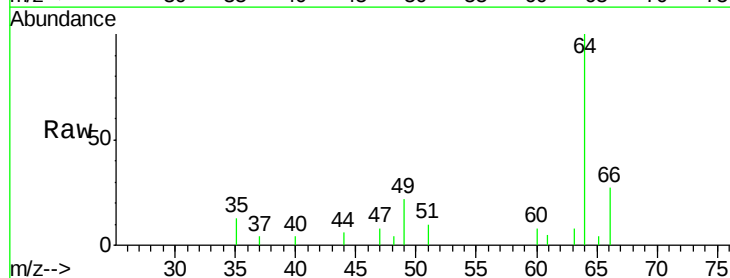
Acq: 19 Dec 2018 19:10

Tgt Ion: 64 Resp: 5643

Ion Ratio Lower Upper

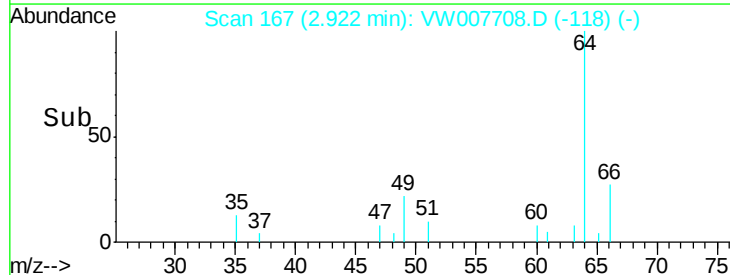
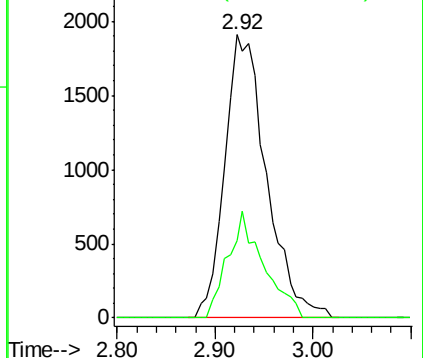
64 100

66 27.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



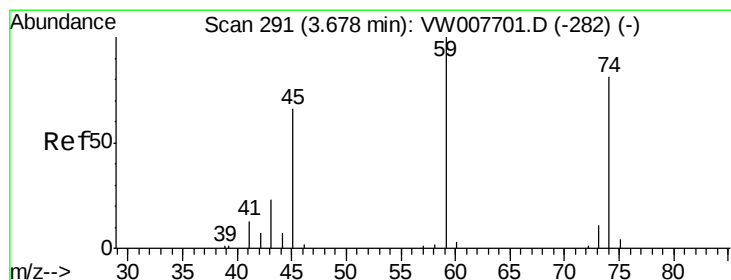
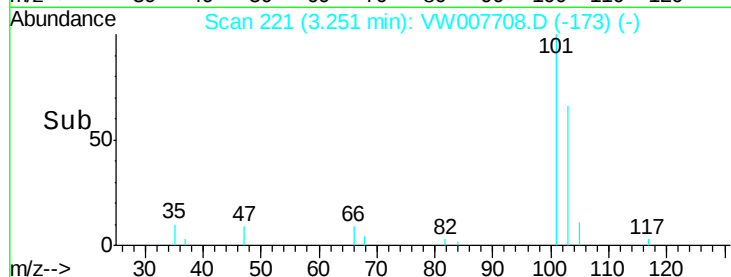
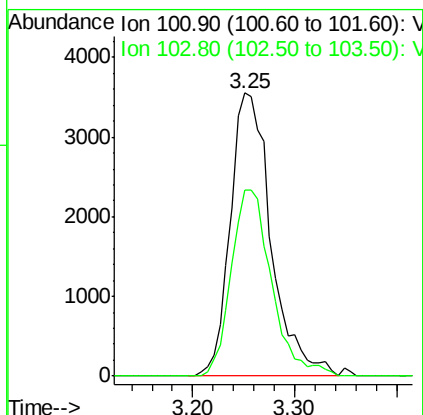
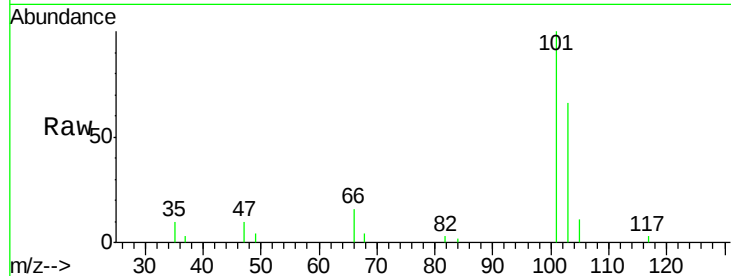


#7

Trichlorofluoromethane
 Concen: 17.947 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

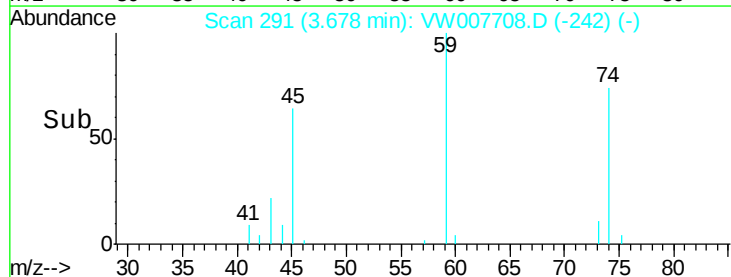
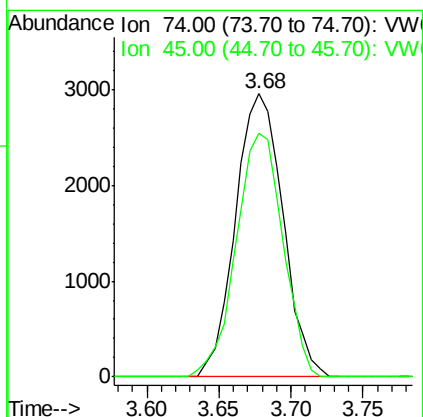
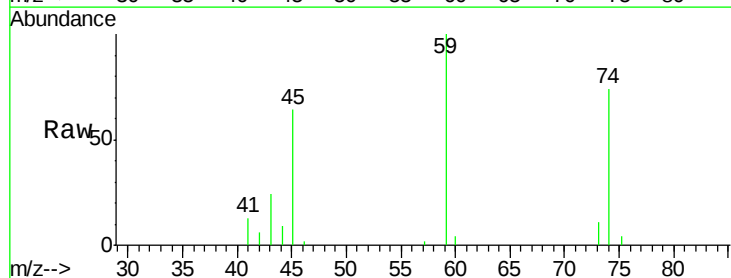
Tgt Ion: 101 Resp: 9834
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.4 80.2

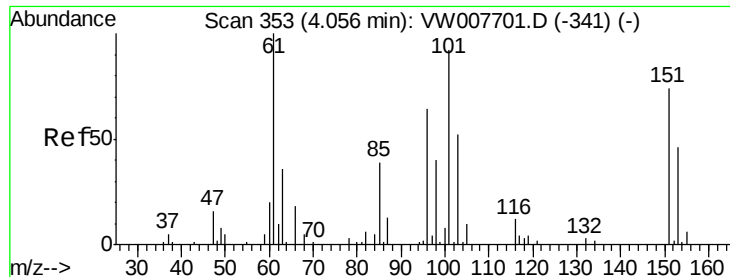


#8

Diethyl Ether
 Concen: 20.121 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 74 Resp: 6753
 Ion Ratio Lower Upper
 74 100
 45 85.0 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.082 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

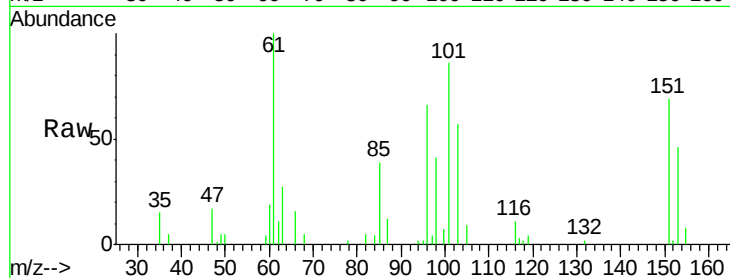
Tgt Ion:101 Resp: 14592

Ion Ratio Lower Upper

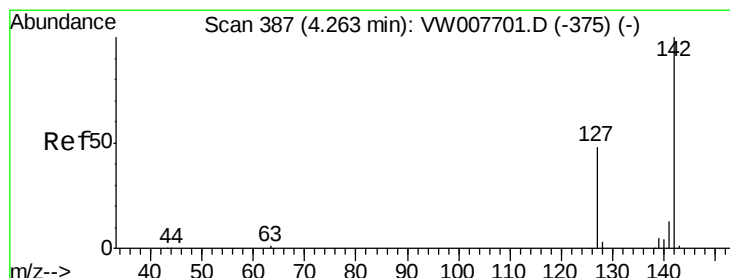
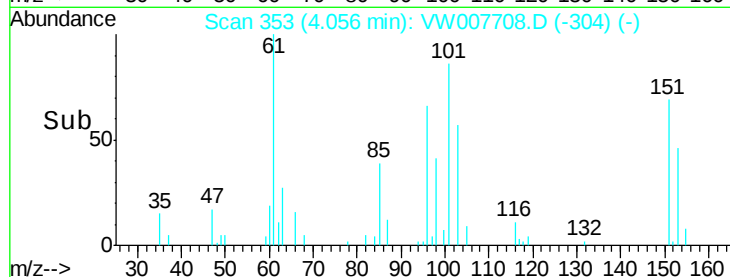
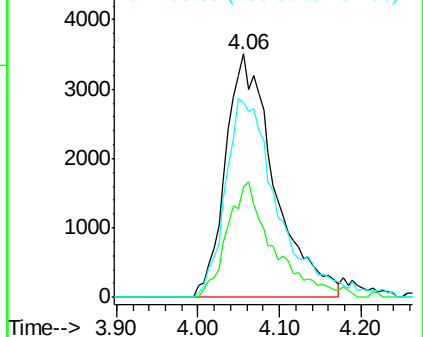
101 100

85 43.9 34.3 51.5

151 85.9 64.6 96.8



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



#10

Methyl Iodide

Concen: 19.314 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

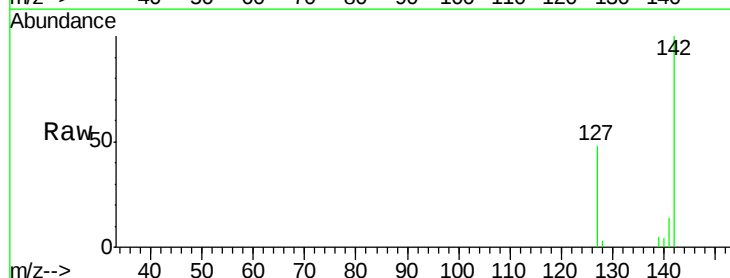
Tgt Ion:142 Resp: 24787

Ion Ratio Lower Upper

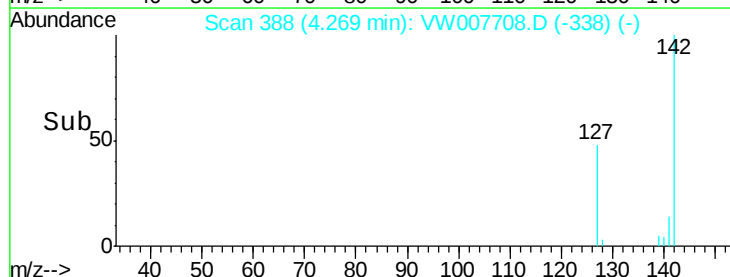
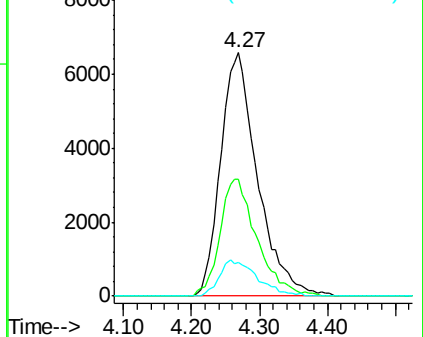
142 100

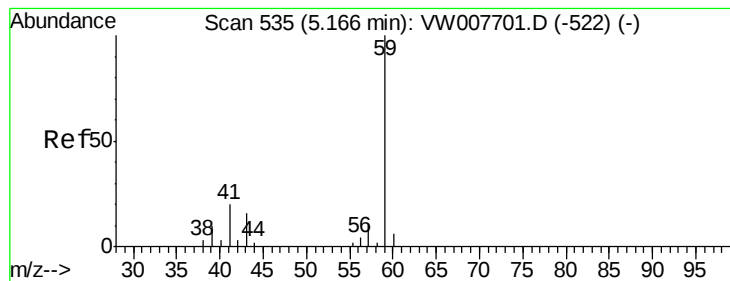
127 47.9 37.7 56.5

141 15.2 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



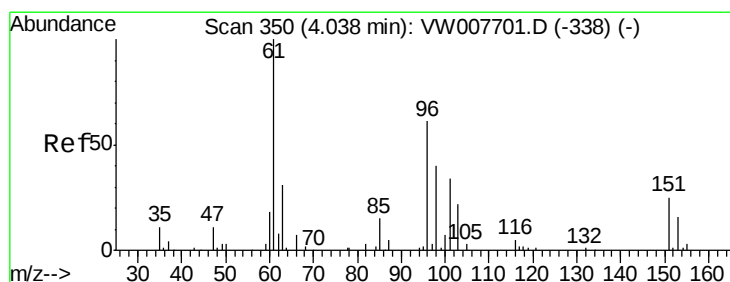
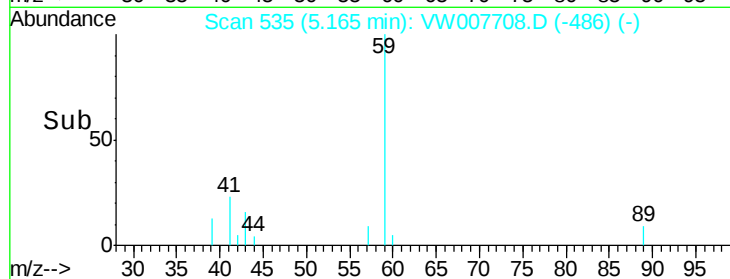
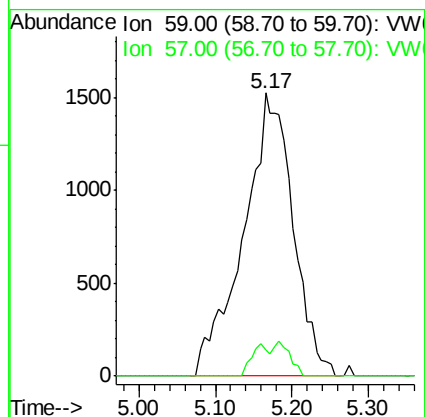
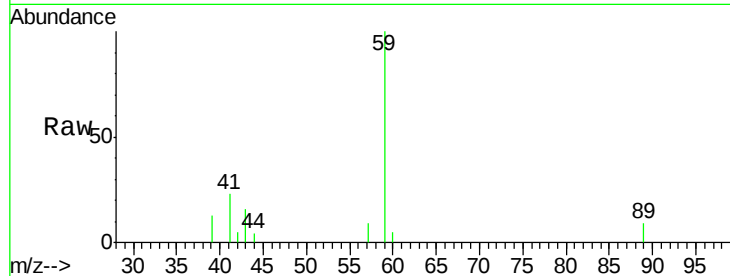


#11

Tert butyl alcohol
 Concen: 122.608 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

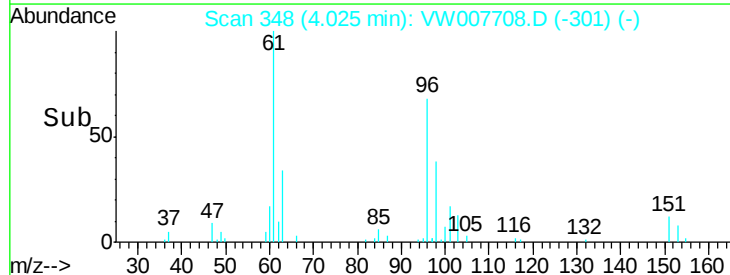
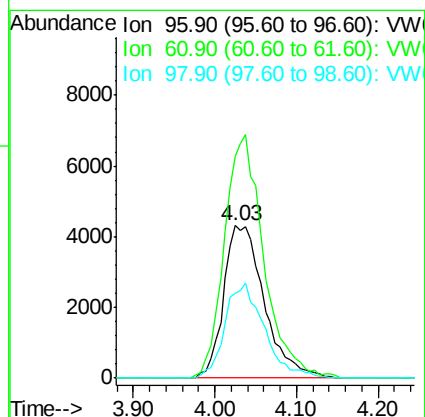
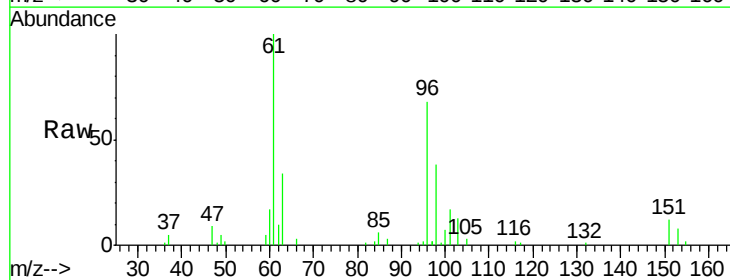
Tgt Ion: 59 Resp: 6866
 Ion Ratio Lower Upper
 59 100
 57 4.0 7.8 11.8#

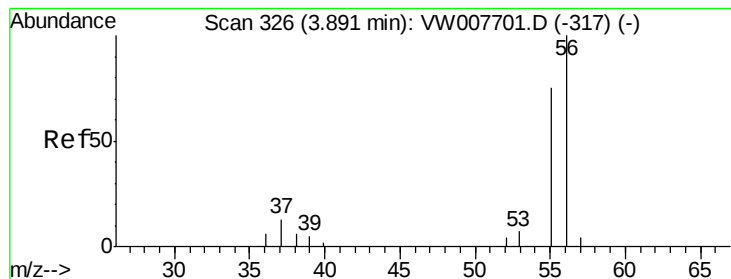


#12

1,1-Dichloroethene
 Concen: 19.871 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 96 Resp: 14849
 Ion Ratio Lower Upper
 96 100
 61 146.0 130.6 195.8
 98 55.4 52.3 78.5





#13

Acrolein

Concen: 95.834 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

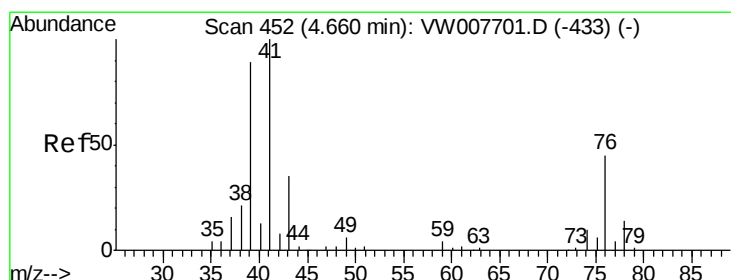
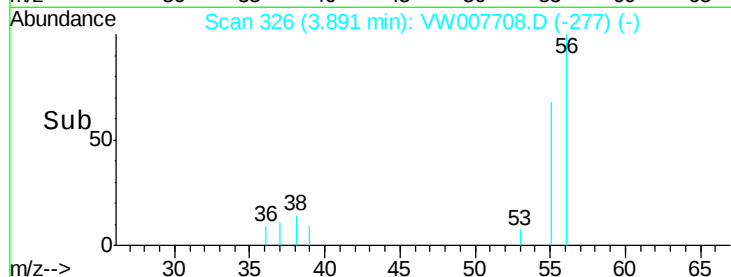
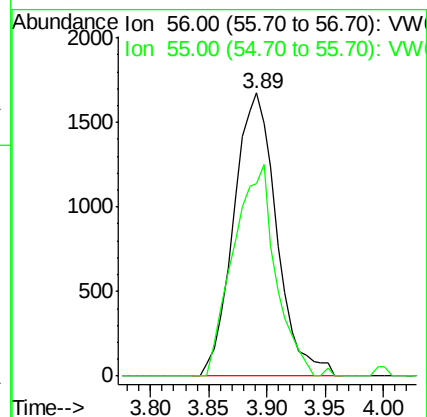
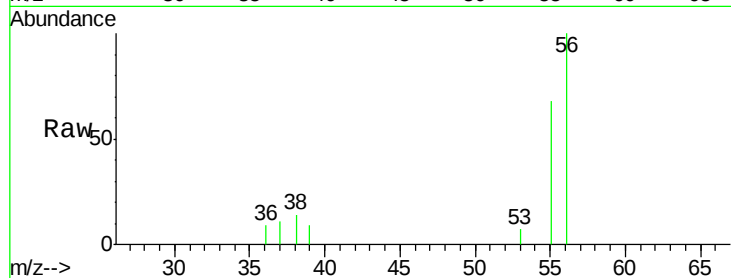
VW1221SBSD01

Tgt Ion: 56 Resp: 4291

Ion Ratio Lower Upper

56 100

55 73.4 57.7 86.5



#14

Allyl chloride

Concen: 19.450 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

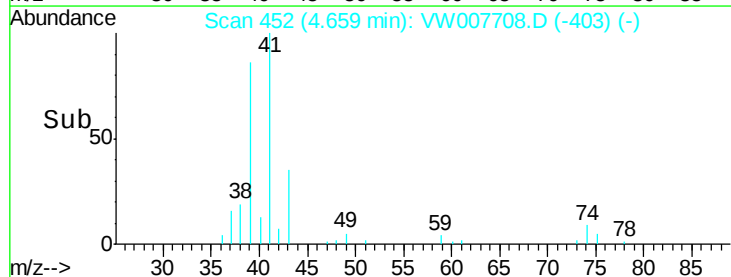
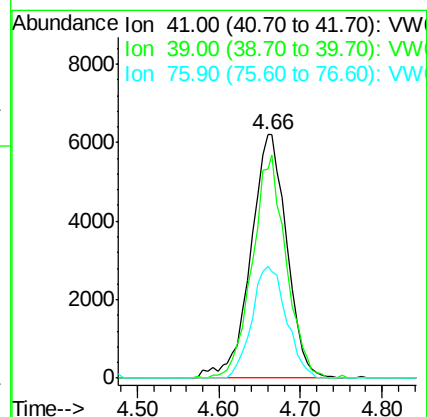
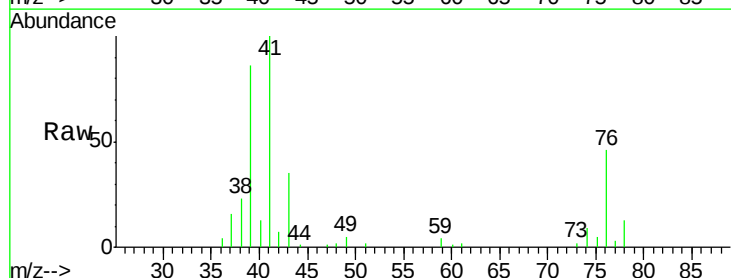
Tgt Ion: 41 Resp: 19060

Ion Ratio Lower Upper

41 100

39 85.5 69.5 104.3

76 43.7 34.8 52.2





#15

Acrylonitrile

Concen: 97.203 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

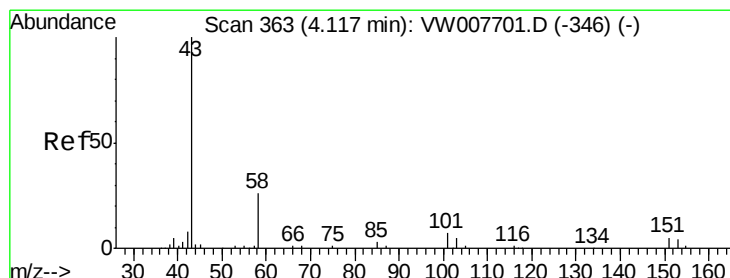
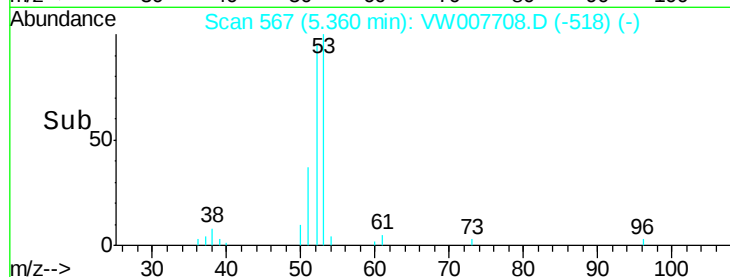
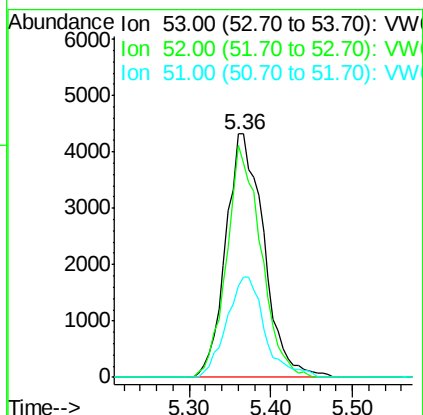
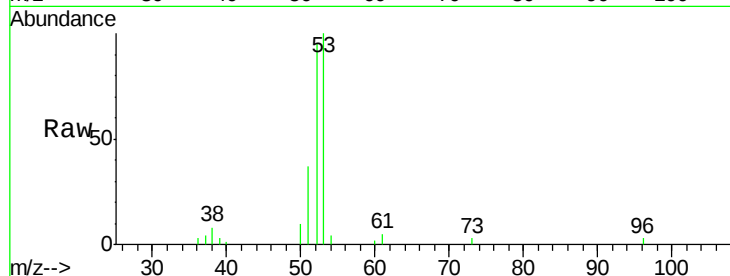
Tgt Ion: 53 Resp: 13916

Ion Ratio Lower Upper

53 100

52 86.1 67.0 100.4

51 41.4 30.2 45.2



#16

Acetone

Concen: 99.220 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007708.D

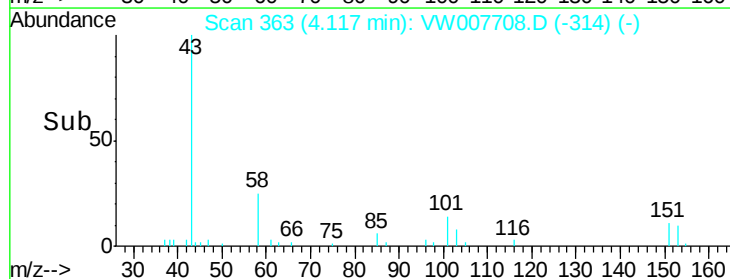
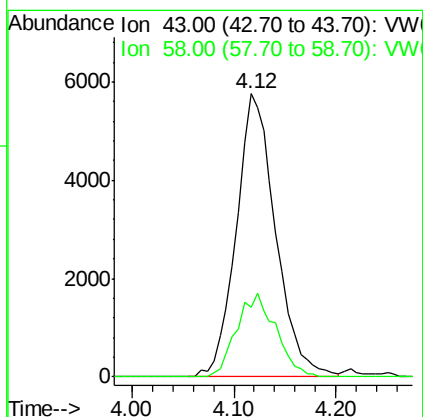
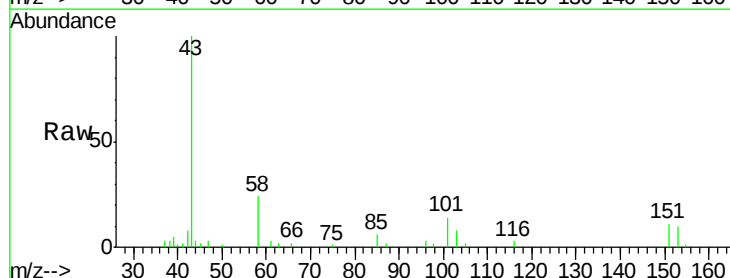
Acq: 19 Dec 2018 19:10

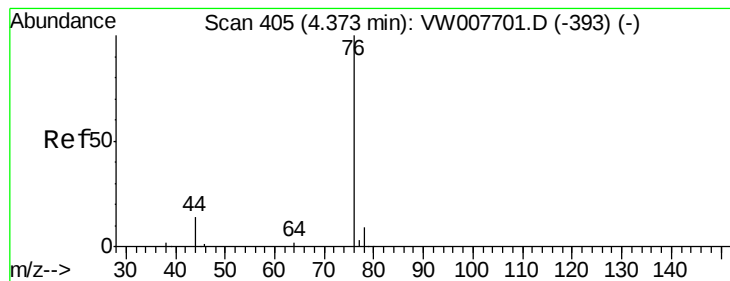
Tgt Ion: 43 Resp: 15424

Ion Ratio Lower Upper

43 100

58 24.5 21.2 31.8





#17

Carbon Disulfide

Concen: 18.627 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

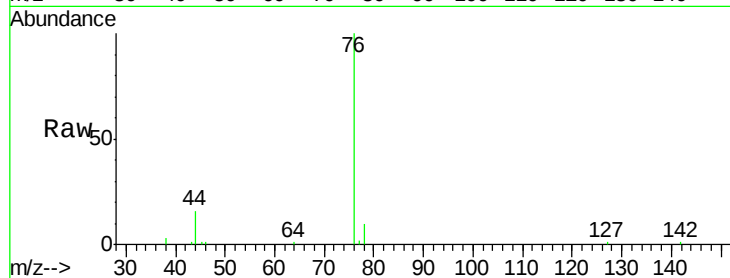
VW1221SBSD01

Tgt Ion: 76 Resp: 43074

Ion Ratio Lower Upper

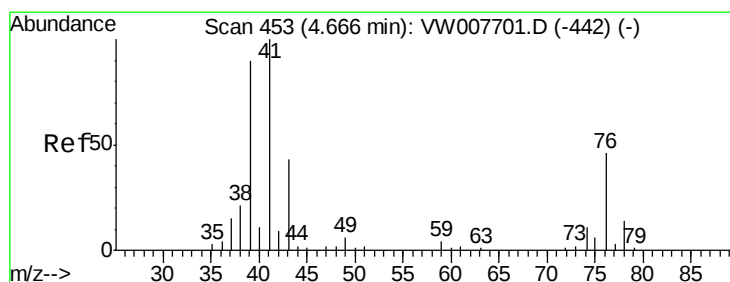
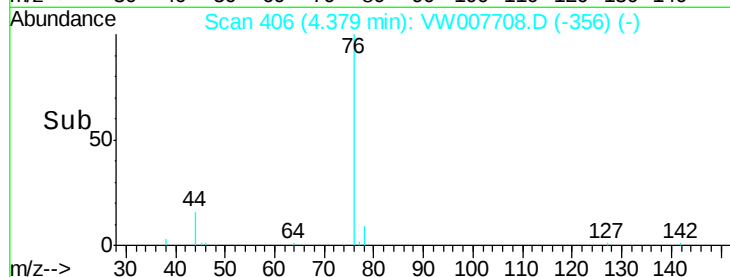
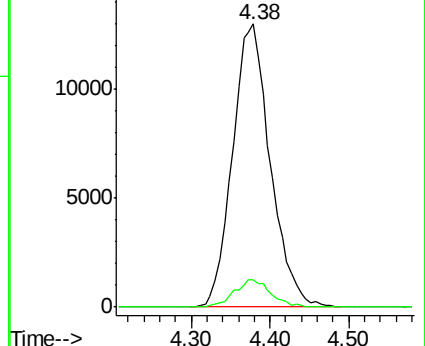
76 100

78 9.5 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: 20.008 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007708.D

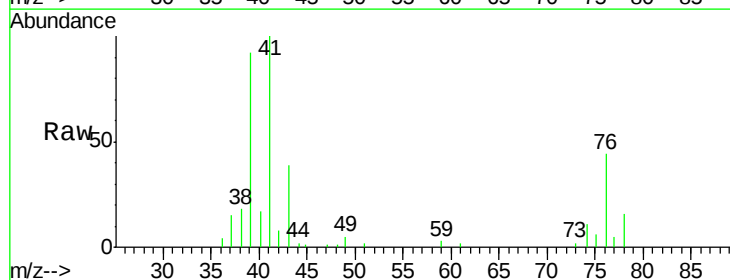
Acq: 19 Dec 2018 19:10

Tgt Ion: 43 Resp: 7397

Ion Ratio Lower Upper

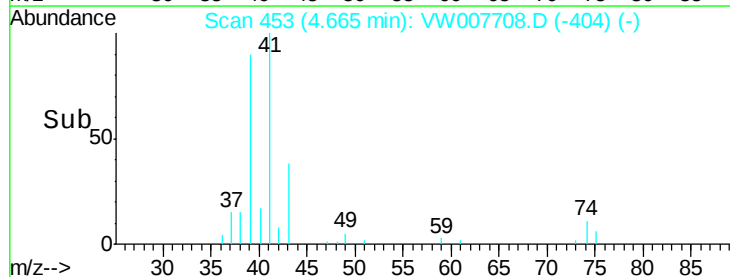
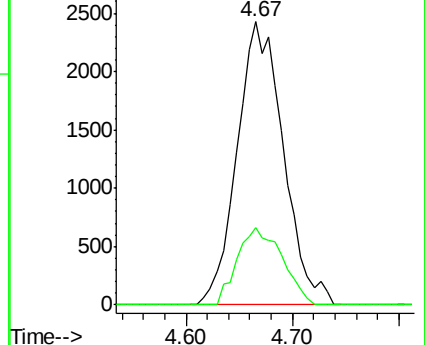
43 100

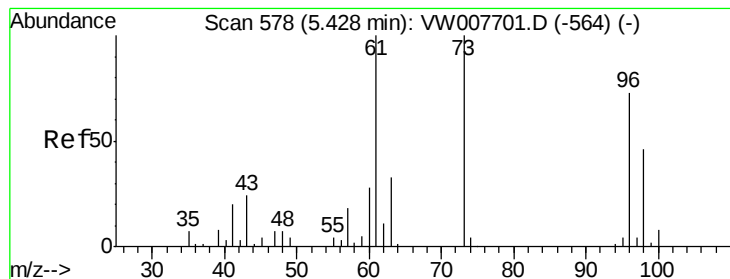
74 26.5 22.7 34.1



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: 20.482 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

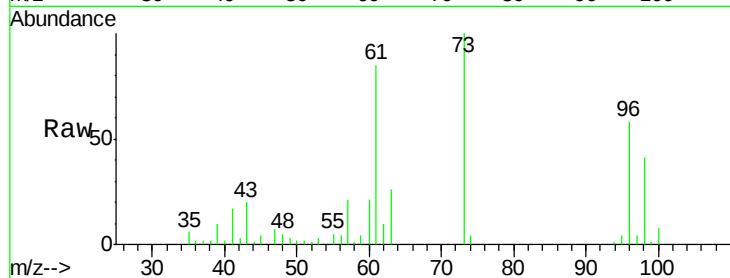
VW1221SBS01

Tgt Ion: 73 Resp: 21973

Ion Ratio Lower Upper

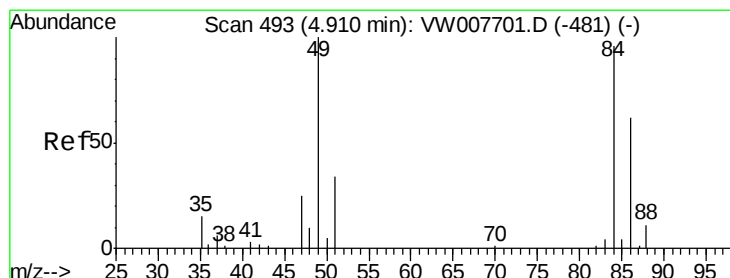
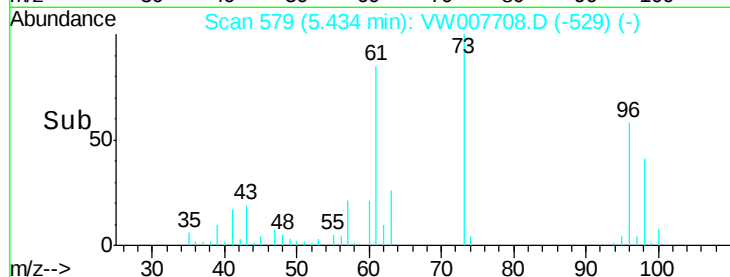
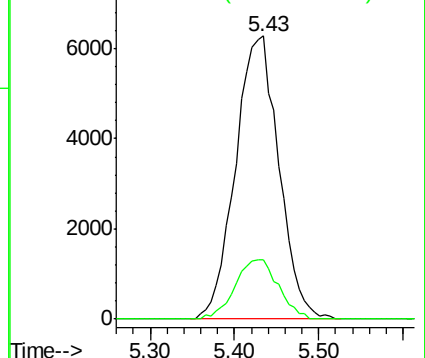
73 100

57 21.2 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: 17.263 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Tgt Ion: 84 Resp: 16630

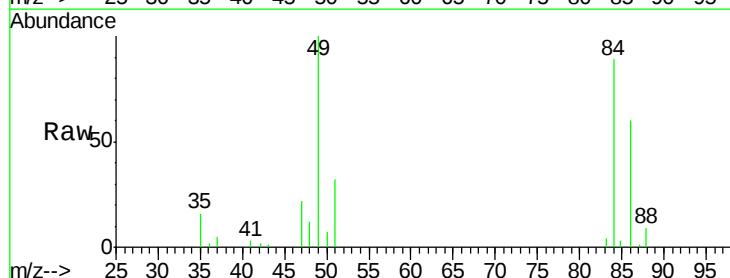
Ion Ratio Lower Upper

84 100

49 112.0 83.7 125.5

51 36.0 28.2 42.2

86 67.0 52.2 78.2

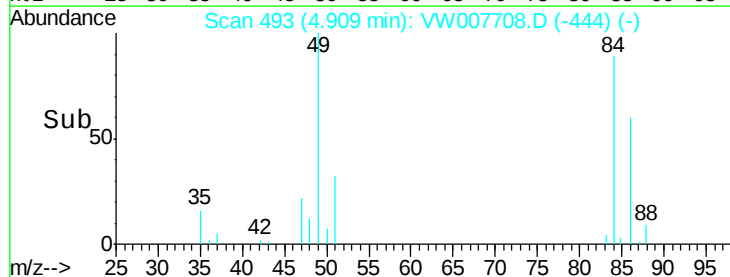
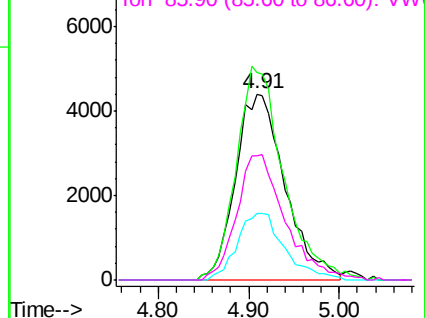


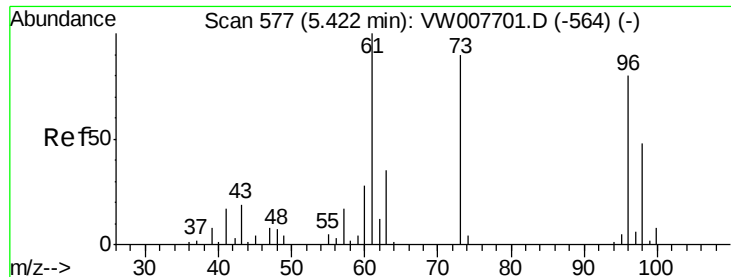
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 18.698 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

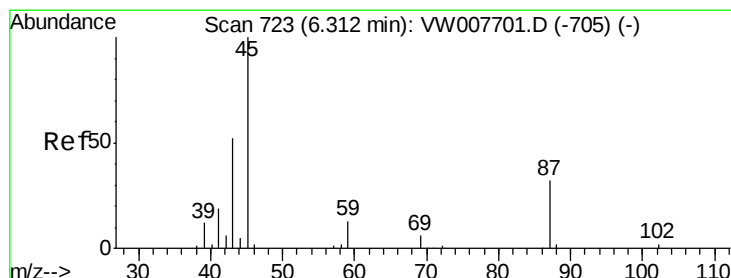
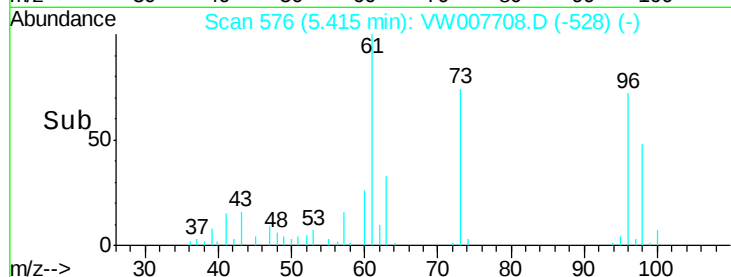
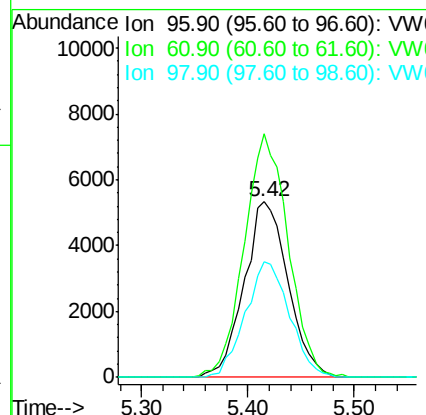
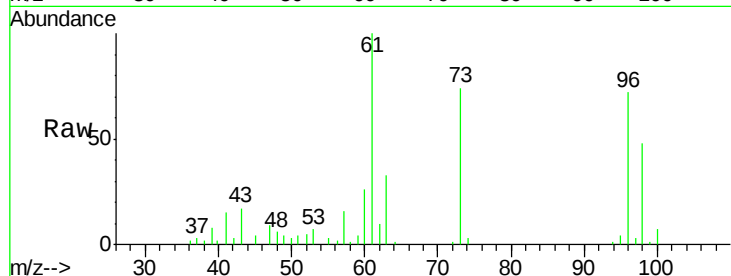
Tgt Ion: 96 Resp: 15367

Ion Ratio Lower Upper

96 100

61 138.6 100.1 150.1

98 65.9 48.5 72.7



#22

Diisopropyl ether

Concen: 19.676 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Tgt Ion: 45 Resp: 36104

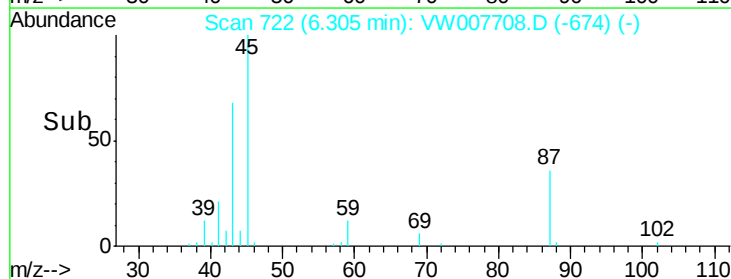
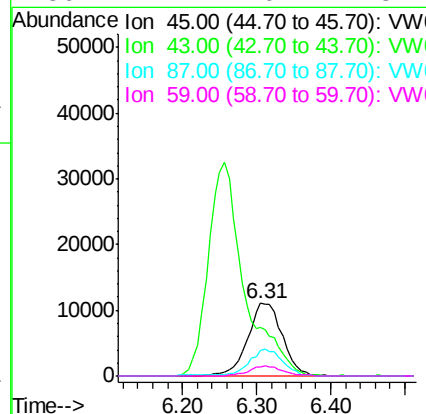
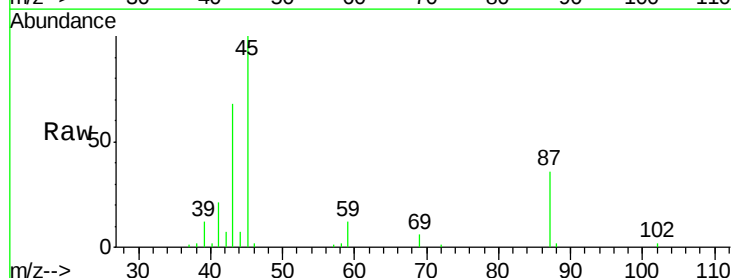
Ion Ratio Lower Upper

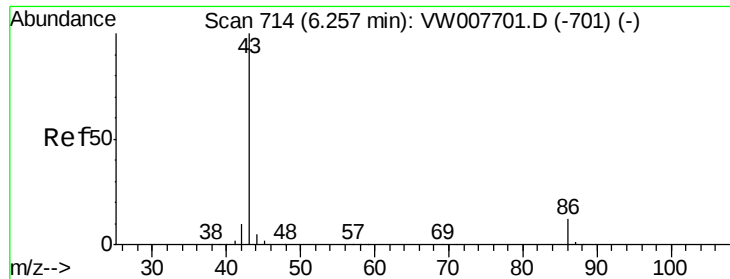
45 100

43 66.7 43.7 65.5#

87 35.7 26.6 40.0

59 12.1 10.2 15.2





#23

Vinyl Acetate

Concen: 100.506 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

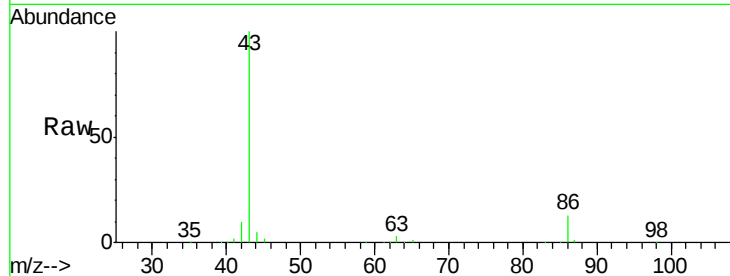
VW1221SBSD01

Tgt Ion: 43 Resp: 109568

Ion Ratio Lower Upper

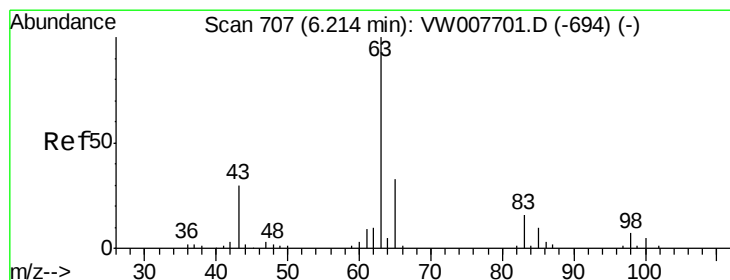
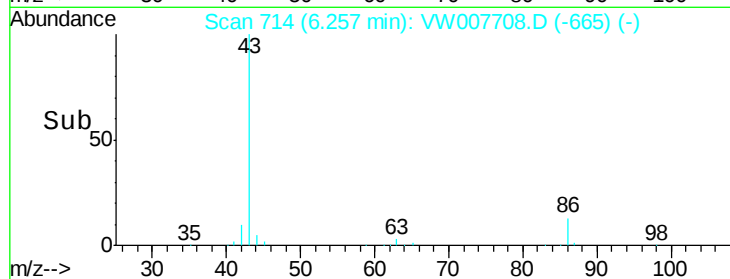
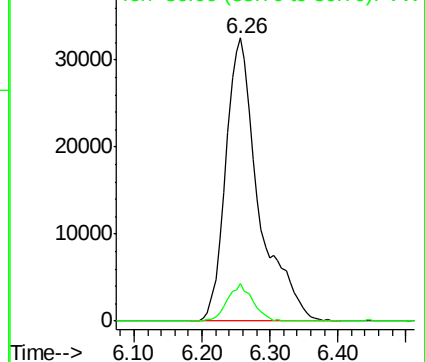
43 100

86 13.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.285 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

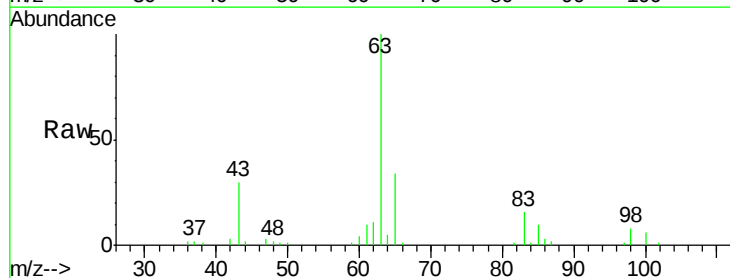
Tgt Ion: 63 Resp: 26032

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

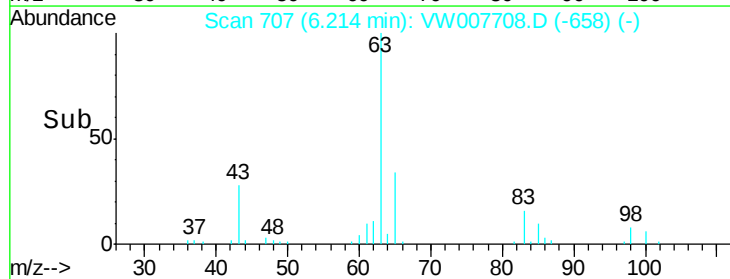
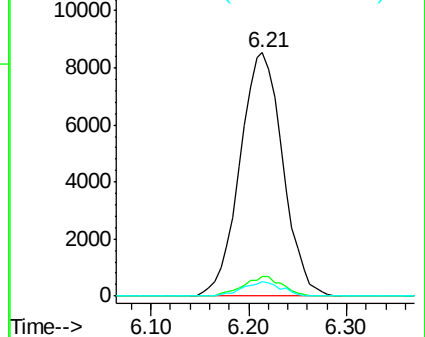
100 5.9 2.5 7.5

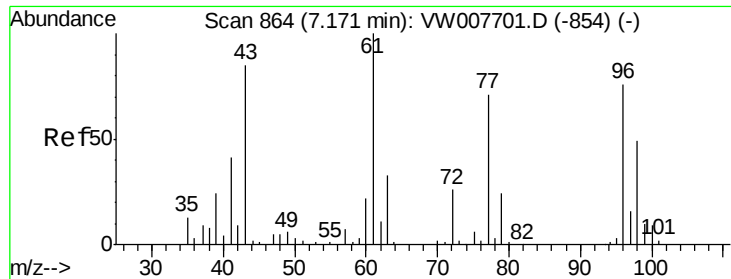


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 94.903 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

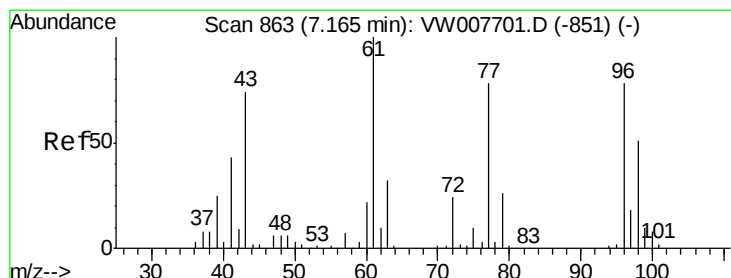
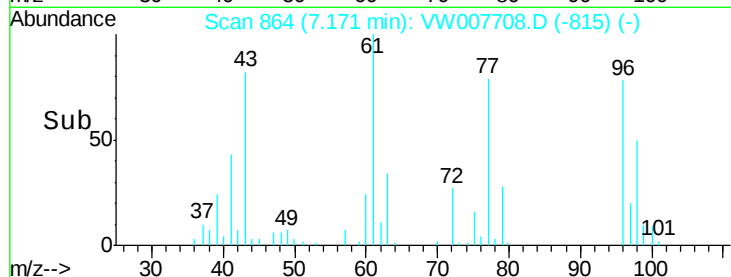
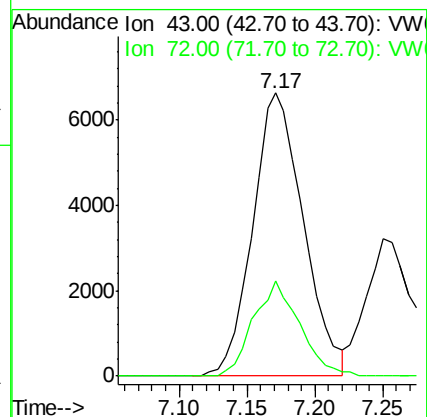
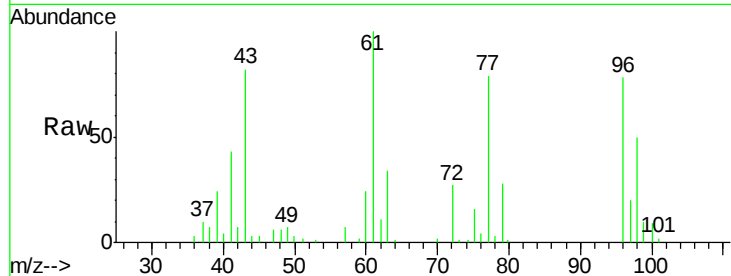
VW1221SBSD01

Tgt Ion: 43 Resp: 17280

Ion Ratio Lower Upper

43 100

72 33.4 24.5 36.7



#26

2,2-Dichloropropane

Concen: 19.793 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007708.D

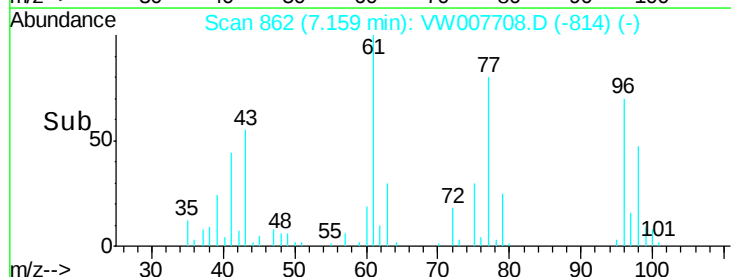
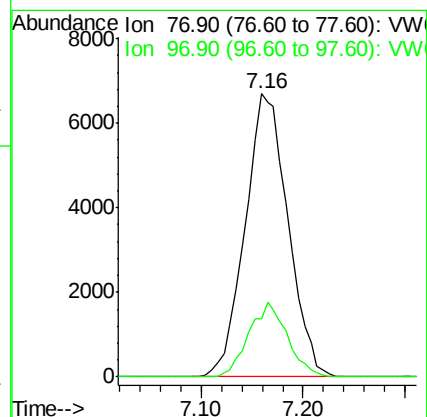
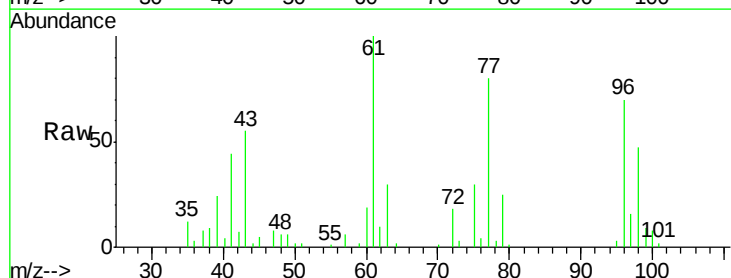
Acq: 19 Dec 2018 19:10

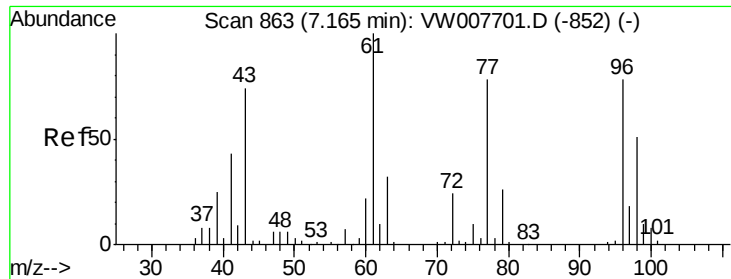
Tgt Ion: 77 Resp: 19551

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9



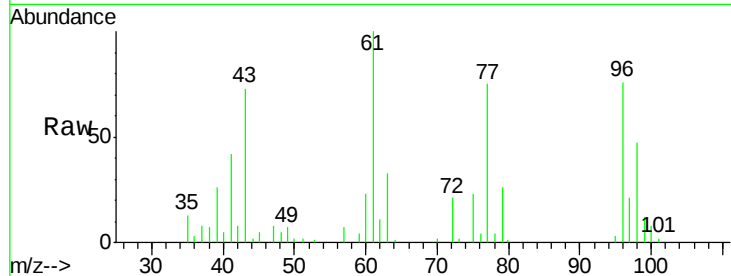


#27

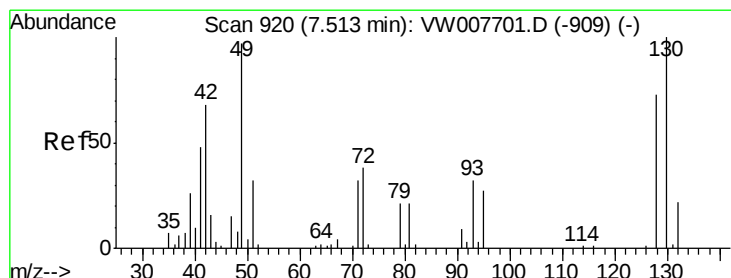
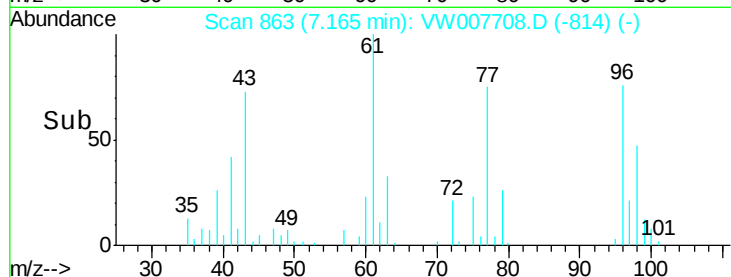
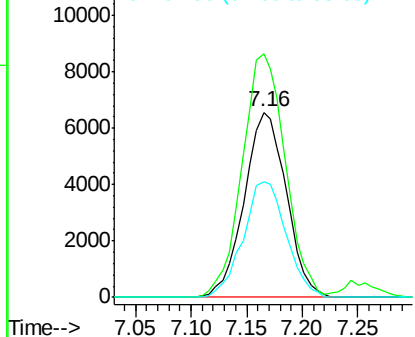
cis-1,2-Dichloroethene
Concen: 19.708 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBSD01

Tgt Ion: 96 Resp: 17256
Ion Ratio Lower Upper
96 100
61 135.0 0.0 271.6
98 63.8 0.0 131.2



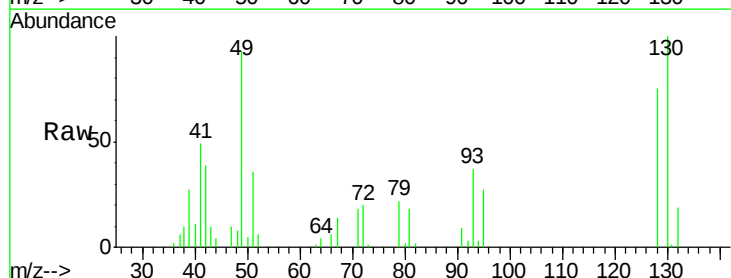
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



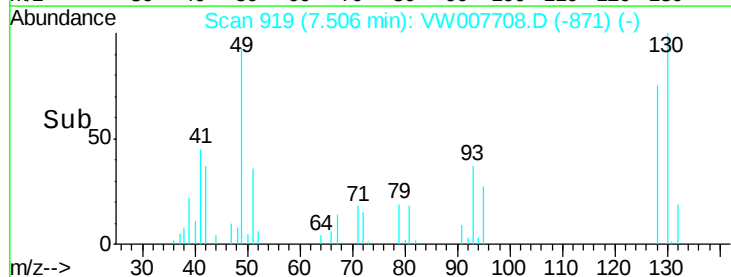
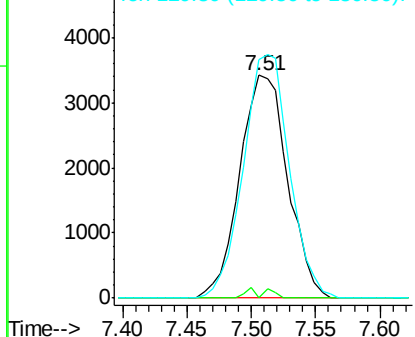
#28

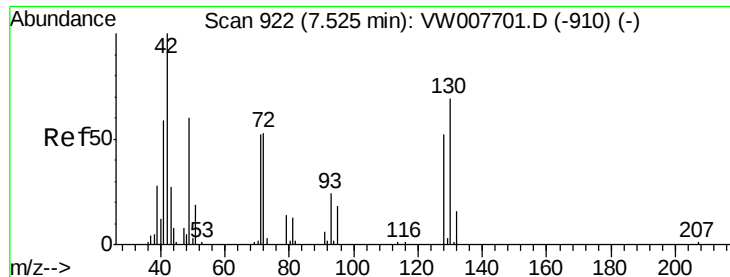
Bromochloromethane
Concen: 19.205 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 49 Resp: 8839
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.2
130 105.2 81.5 122.3



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

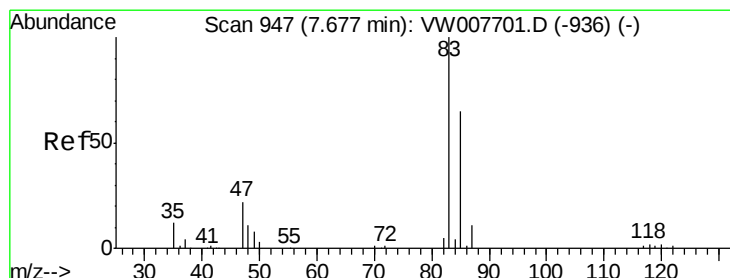
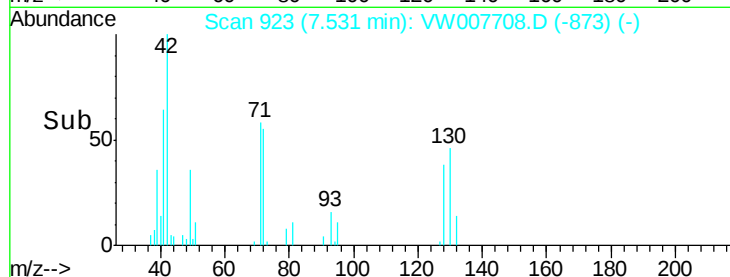
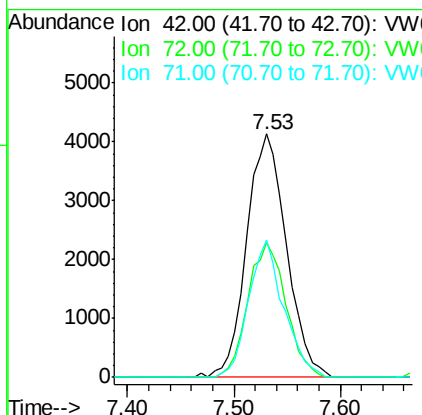
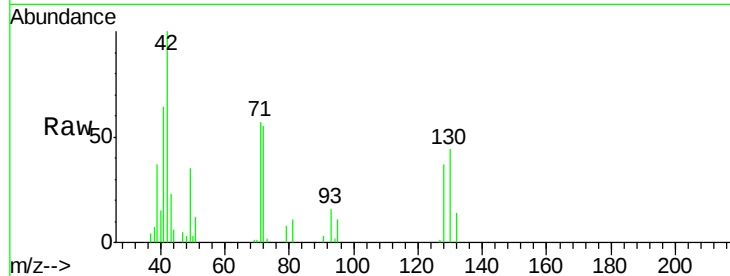




#29
Tetrahydrofuran
Concen: 99.900 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

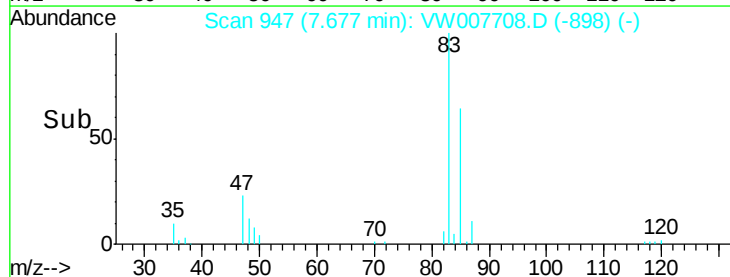
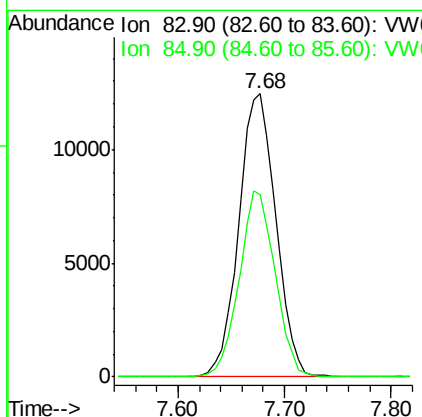
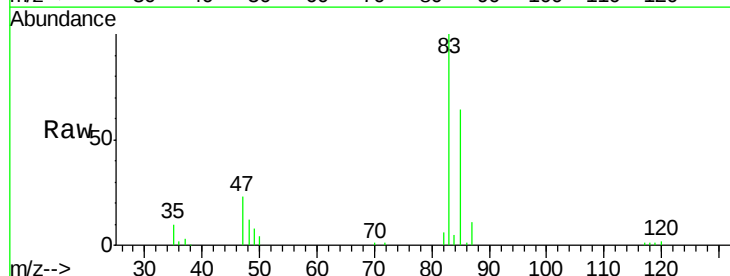
Instrument :
MSVOA_W
ClientSampled :
VW1221SBSD01

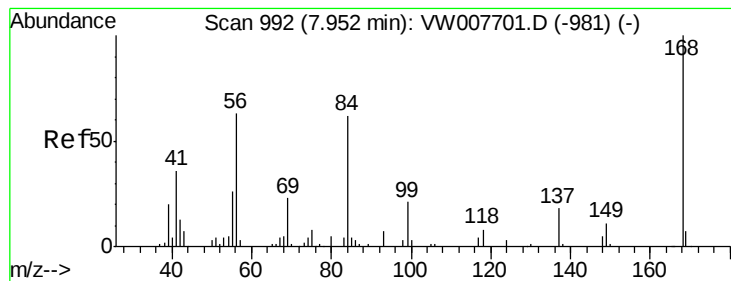
Tgt Ion: 42 Resp: 10850
Ion Ratio Lower Upper
42 100
72 52.8 41.7 62.5
71 49.8 39.0 58.6



#30
Chloroform
Concen: 19.921 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 83 Resp: 30432
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.2





#31

Cyclohexane

Concen: 19.155 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

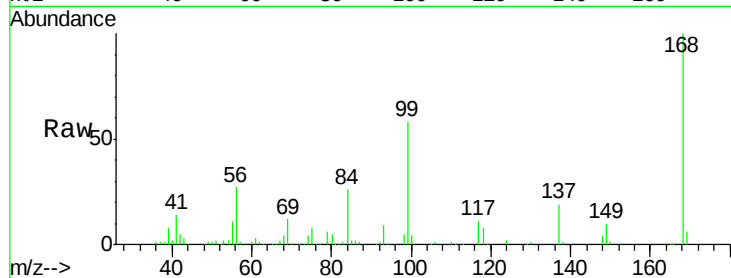
Tgt Ion: 56 Resp: 23671

Ion Ratio Lower Upper

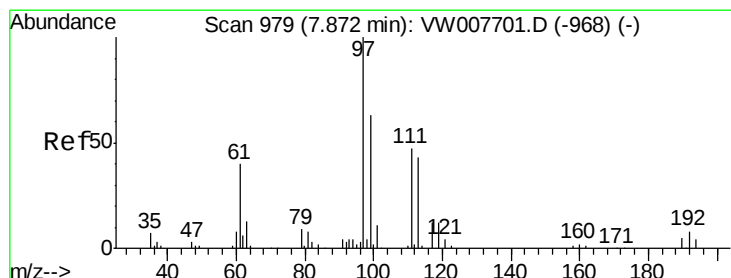
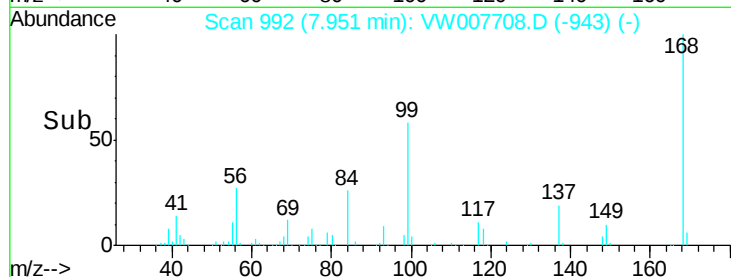
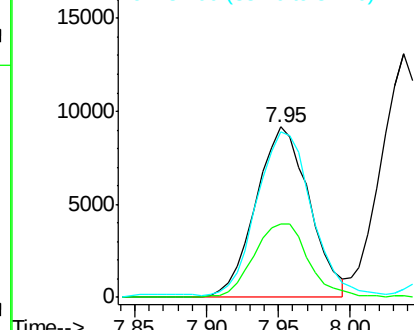
56 100

69 42.9 29.7 44.5

84 95.0 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: 19.504 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

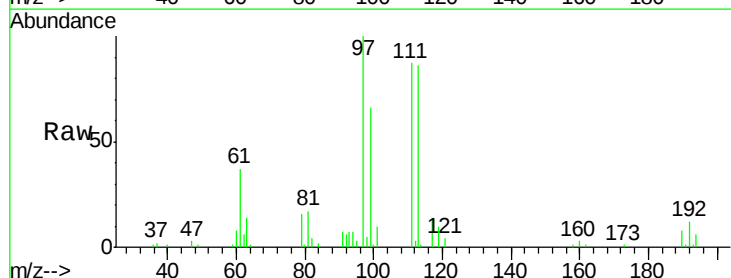
Tgt Ion: 97 Resp: 27136

Ion Ratio Lower Upper

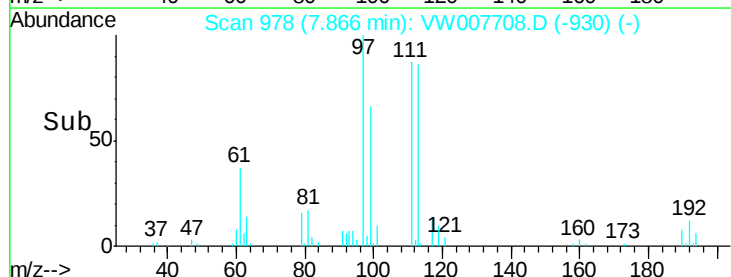
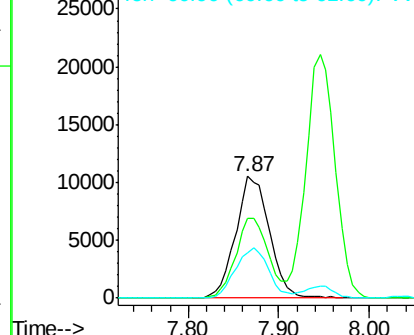
97 100

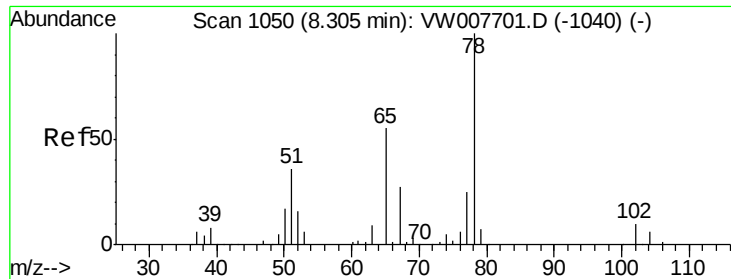
99 62.7 50.6 76.0

61 40.8 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

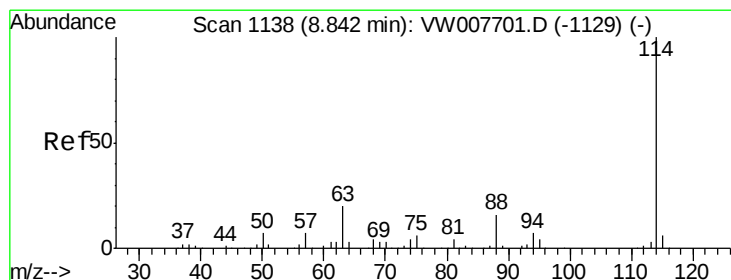
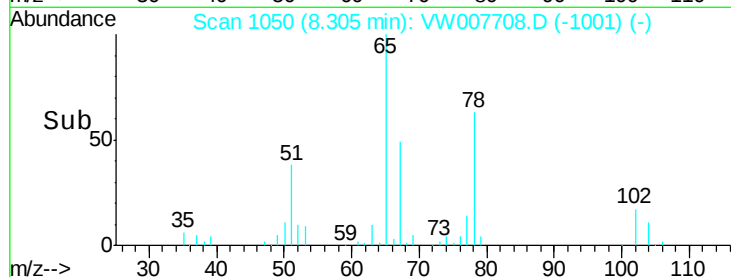
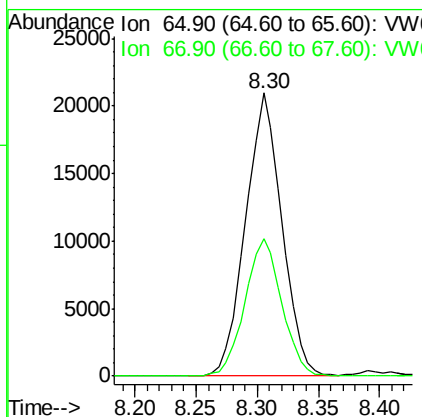
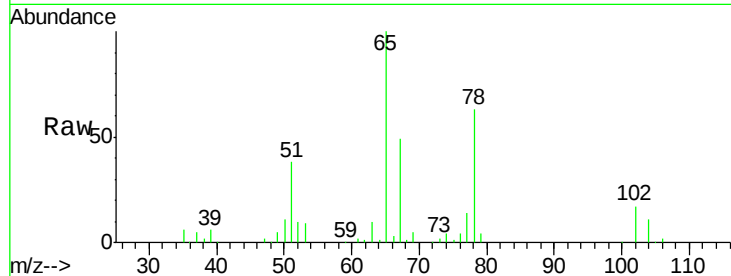




#33
 1,2-Dichloroethane-d4
 Concen: 52.238 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

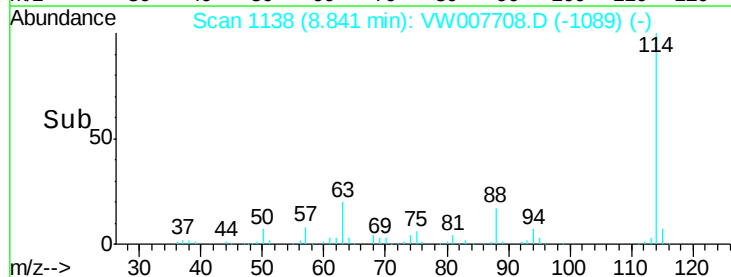
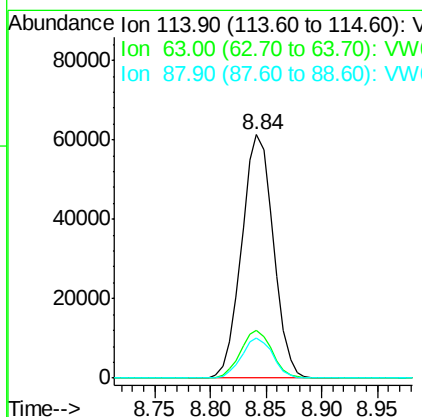
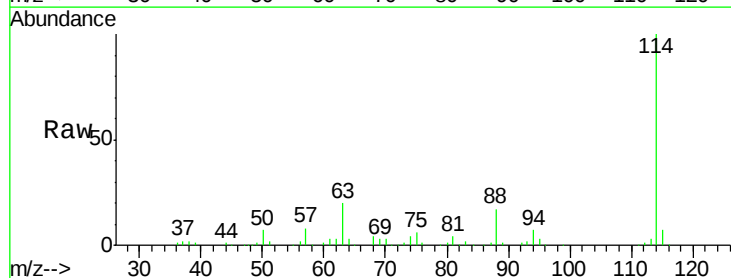
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

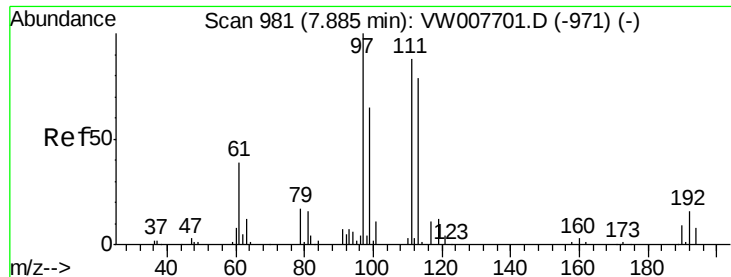
Tgt Ion: 65 Resp: 43365
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 114 Resp: 121453
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 16.6 0.0 32.6

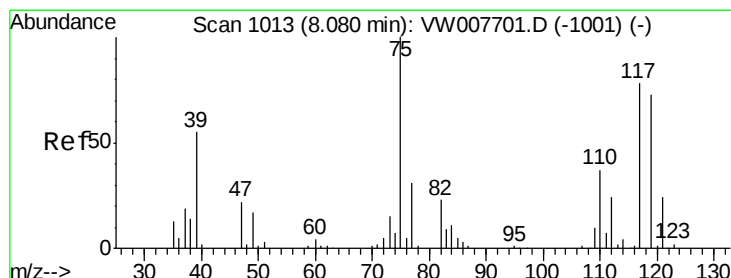
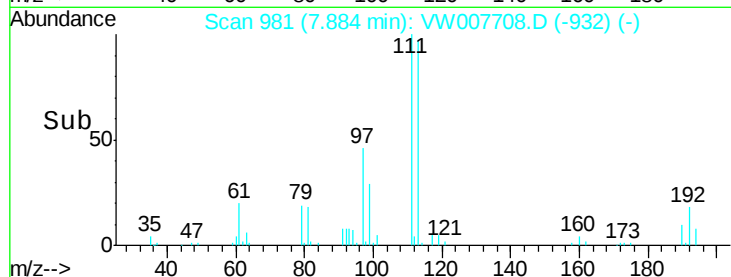
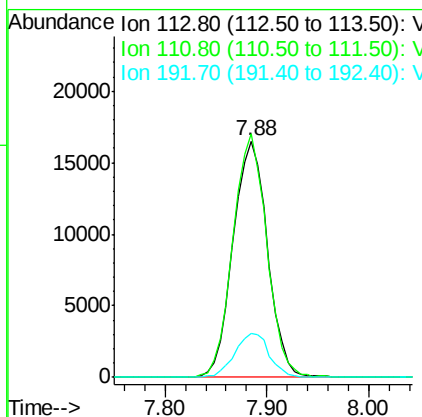
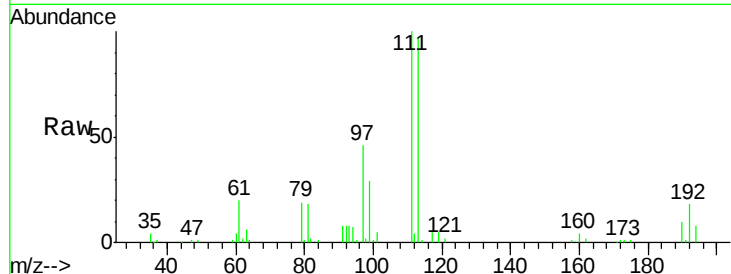




#35
 Dibromofluoromethane
 Concen: 52.138 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

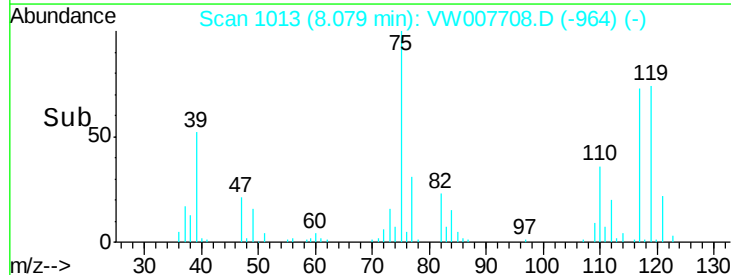
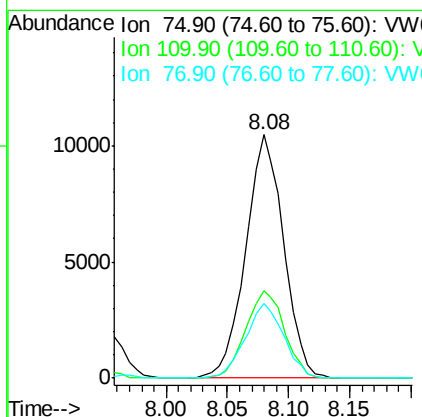
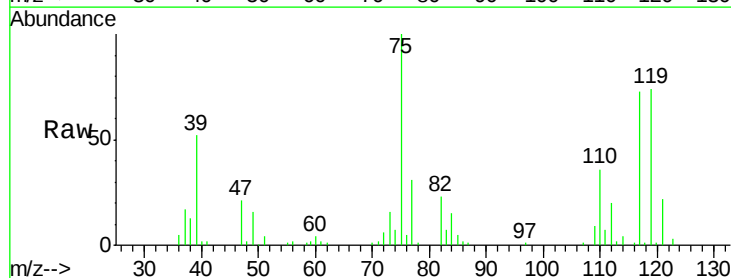
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

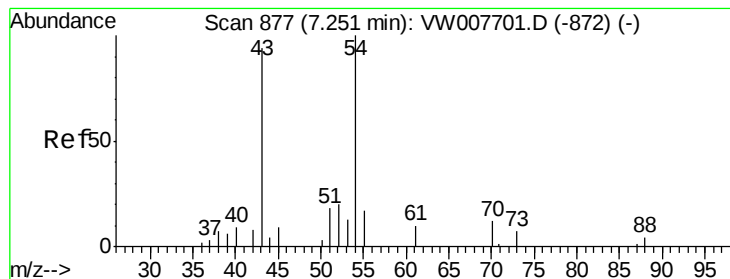
Tgt Ion: 113 Resp: 38630
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.6 124.0
 192 18.4 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 19.264 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 75 Resp: 22582
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.6 55.8
 77 31.2 25.0 37.4





#37

Ethyl Acetate

Concen: 19.706 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

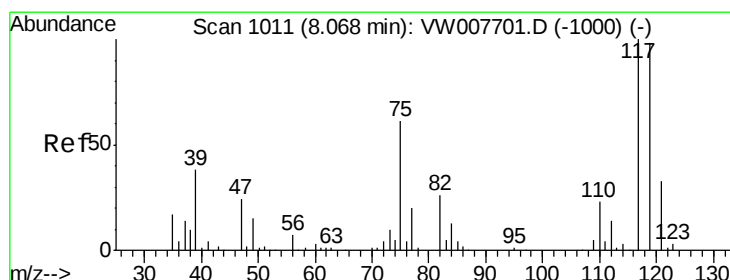
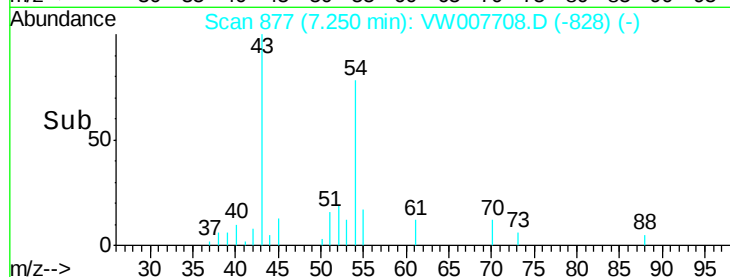
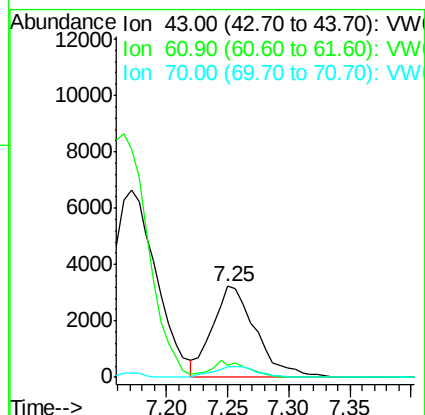
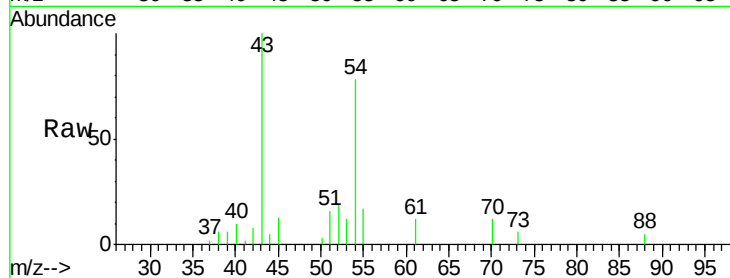
Tgt Ion: 43 Resp: 7972

Ion Ratio Lower Upper

43 100

61 15.1 11.2 16.8

70 11.7 9.3 13.9



#38

Carbon Tetrachloride

Concen: 19.269 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

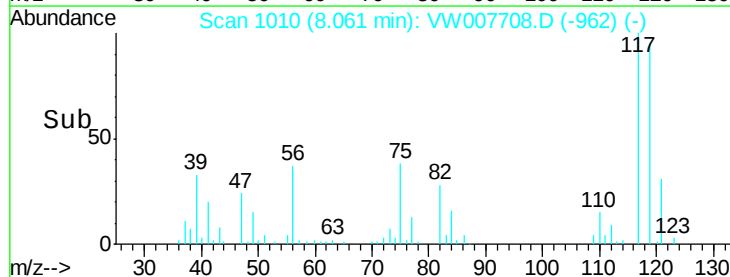
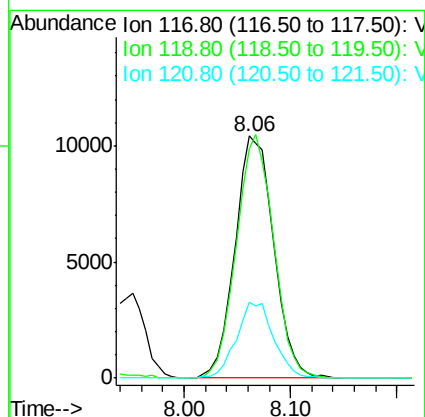
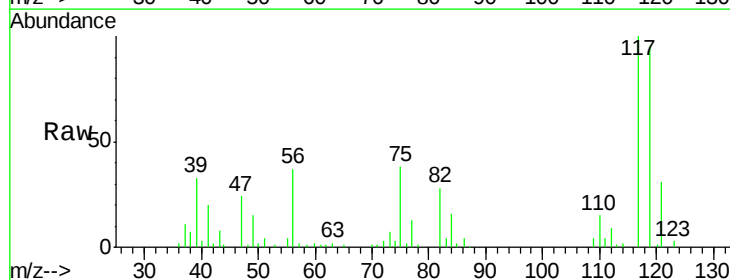
Tgt Ion: 117 Resp: 26602

Ion Ratio Lower Upper

117 100

119 94.9 78.2 117.2

121 31.2 26.1 39.1

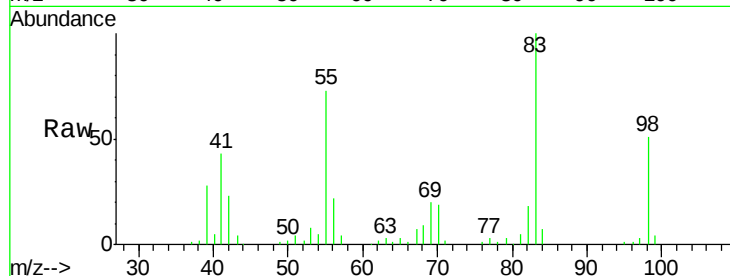




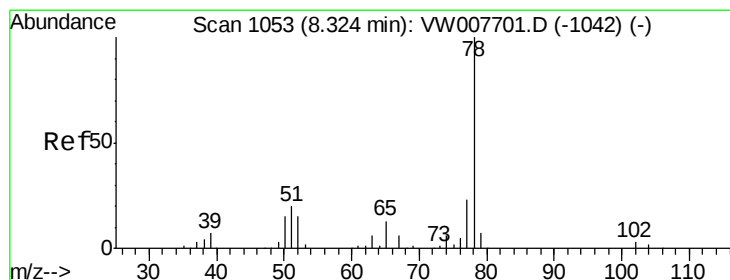
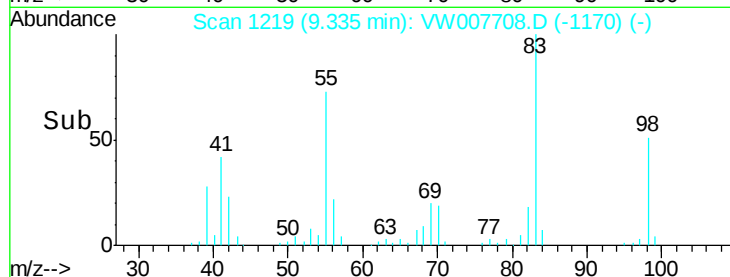
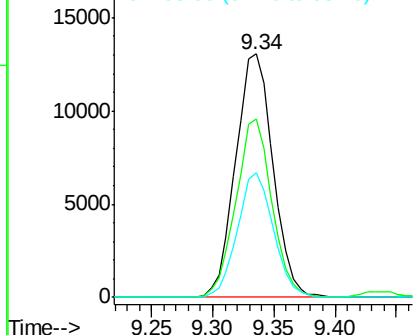
#39
Methylcyclohexane
Concen: 19.023 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion: 83 Resp: 27709
Ion Ratio Lower Upper
83 100
55 73.2 57.2 85.8
98 51.2 38.6 58.0

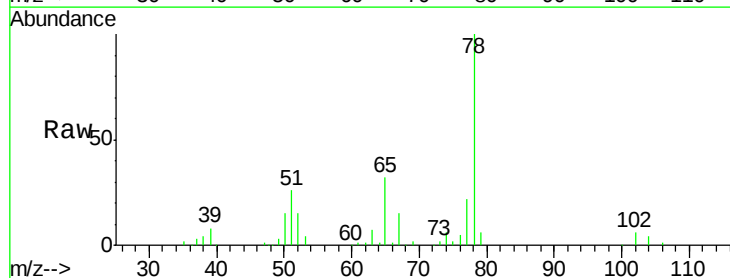


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

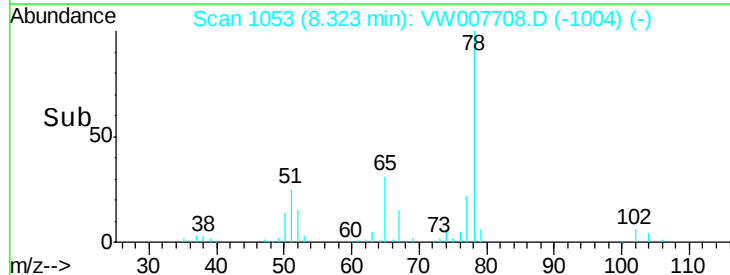
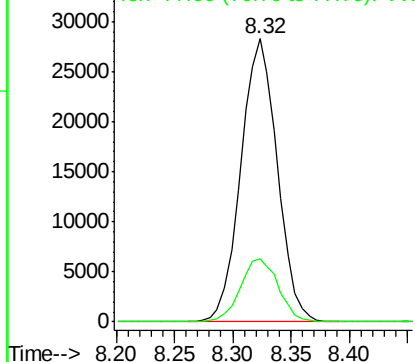


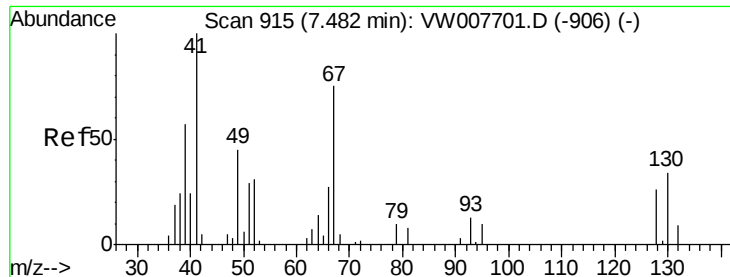
#40
Benzene
Concen: 19.705 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 78 Resp: 61640
Ion Ratio Lower Upper
78 100
77 22.5 18.7 28.1



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

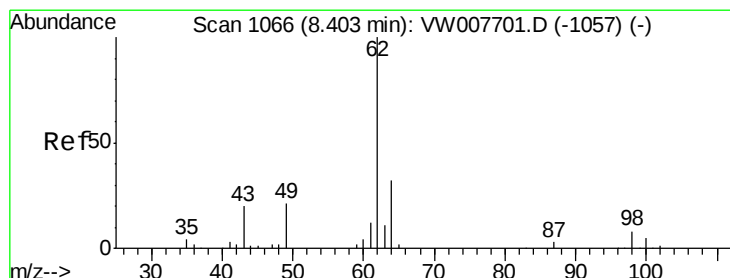
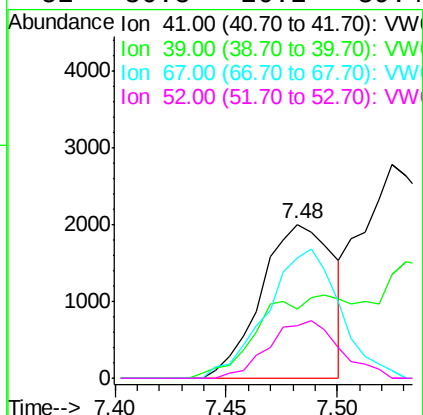
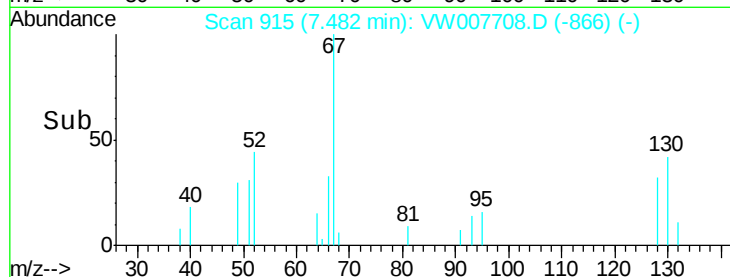
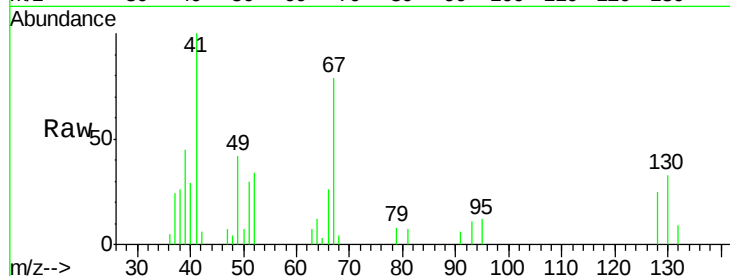




#41
Methacrylonitrile
Concen: 19.653 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

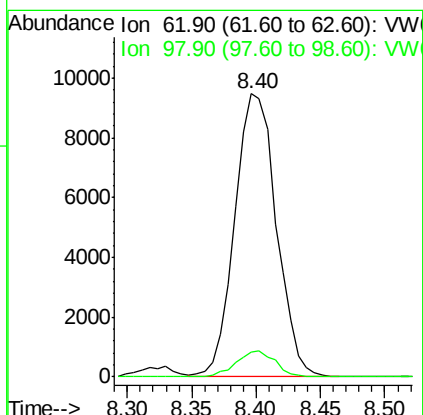
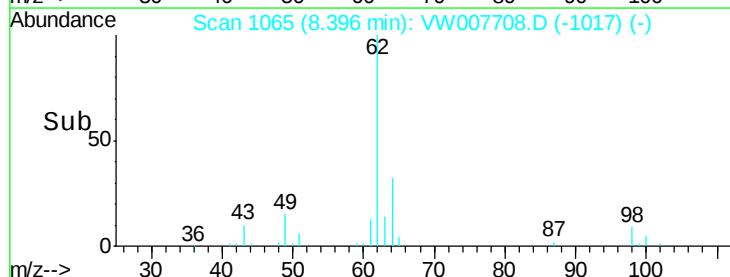
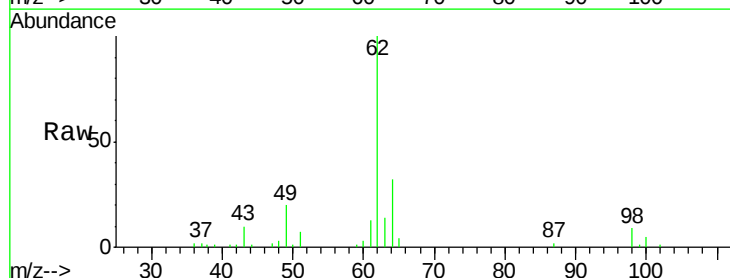
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBSD01

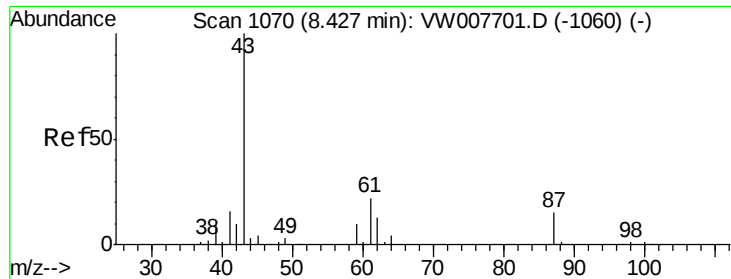
Tgt Ion:	41	Resp:	4514
Ion	Ratio	Lower	Upper
41	100		
39	67.7	54.2	81.4
67	84.9	65.7	98.5
52	36.8	26.2	39.4



#42
1,2-Dichloroethane
Concen: 20.278 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion:	62	Resp:	21257
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.277 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

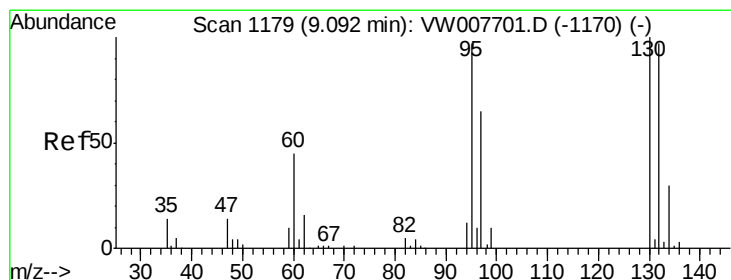
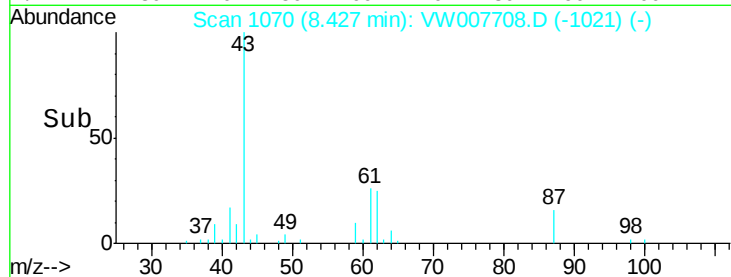
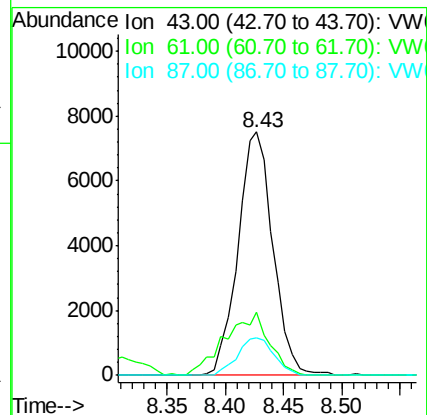
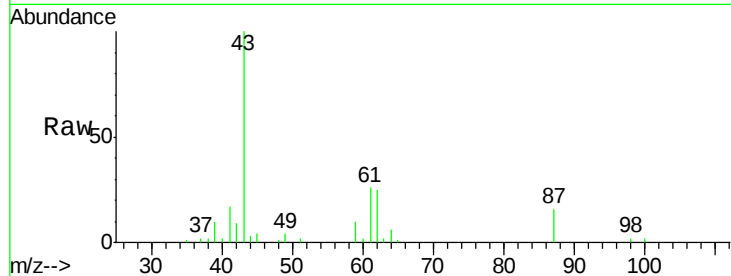
Tgt Ion: 43 Resp: 15624

Ion Ratio Lower Upper

43 100

61 32.9 26.3 39.5

87 16.0 12.0 18.0



#44

Trichloroethene

Concen: 19.573 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007708.D

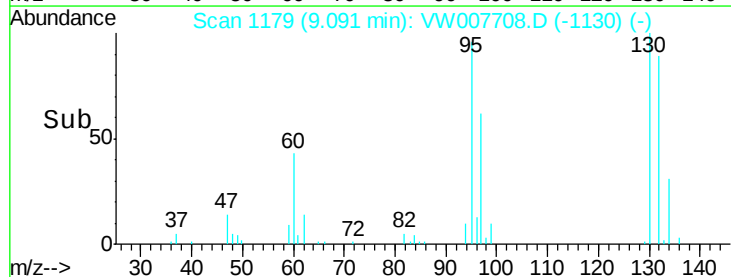
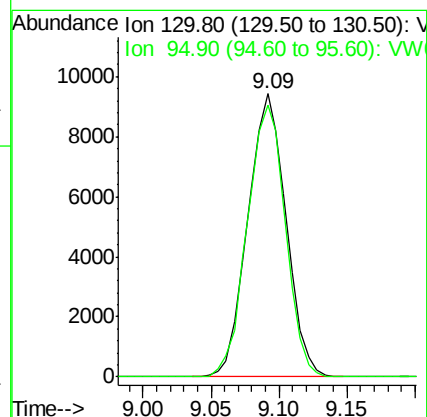
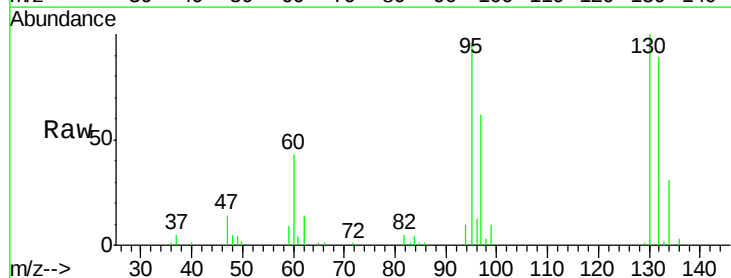
Acq: 19 Dec 2018 19:10

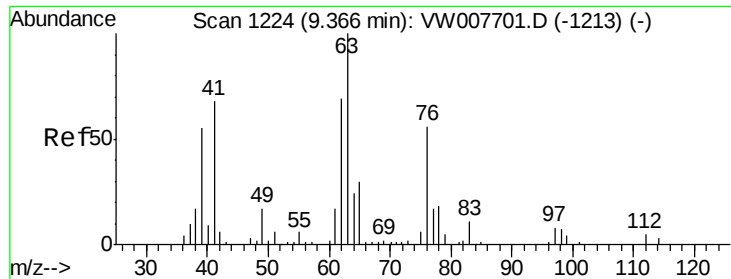
Tgt Ion: 130 Resp: 18516

Ion Ratio Lower Upper

130 100

95 95.9 0.0 194.8

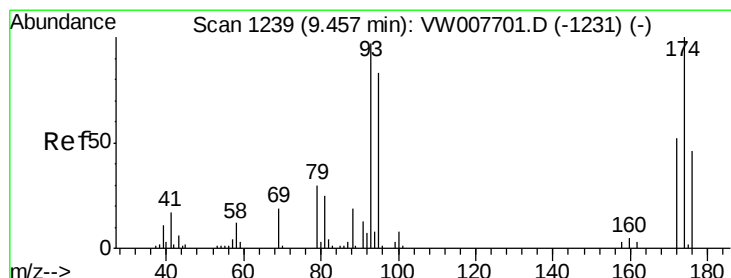
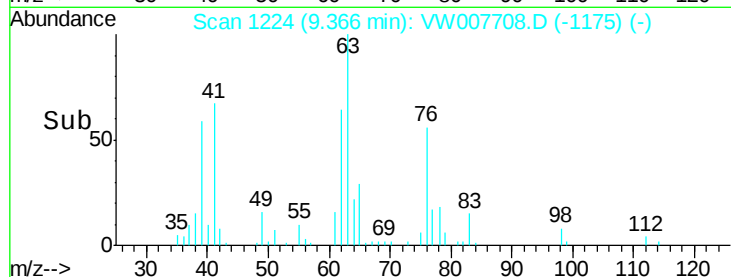
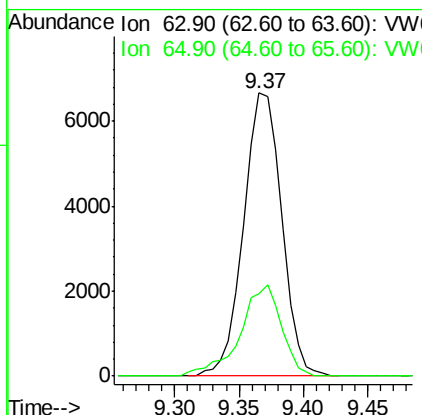
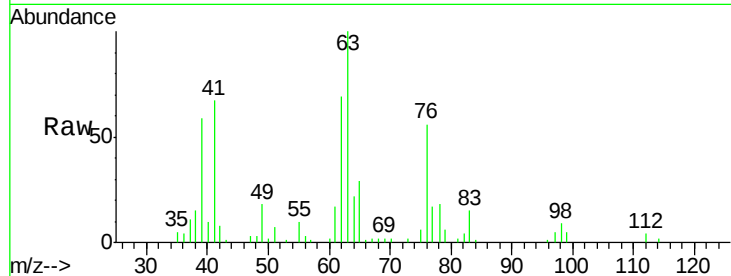




#45
 1,2-Dichloropropane
 Concen: 19.652 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

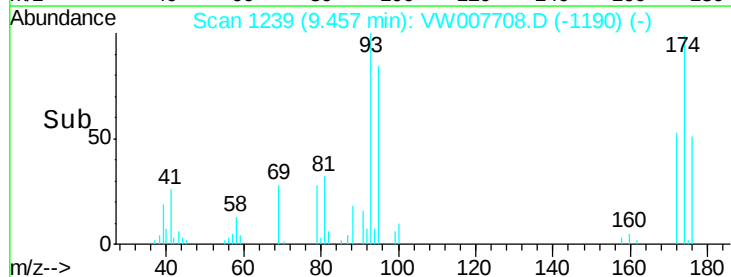
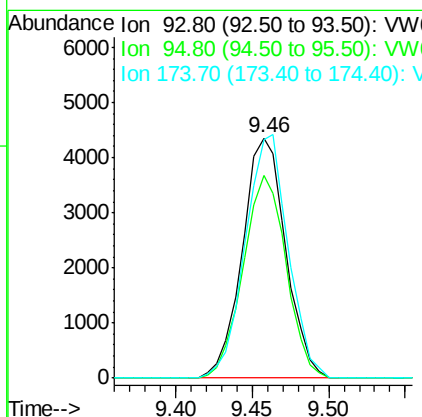
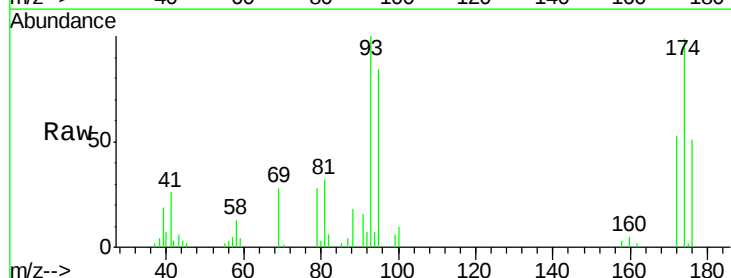
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

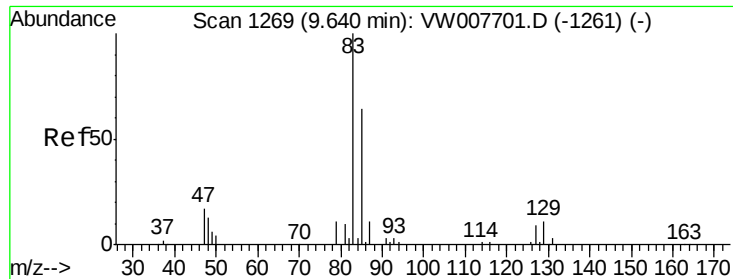
Tgt Ion: 63 Resp: 13640
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.8 35.8



#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 93 Resp: 8567
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.5 101.3
 174 100.4 83.9 125.9





#47

Bromodichloromethane

Concen: 19.706 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

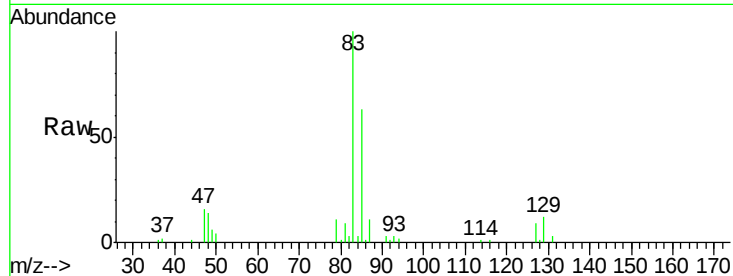
Tgt Ion: 83 Resp: 22135

Ion Ratio Lower Upper

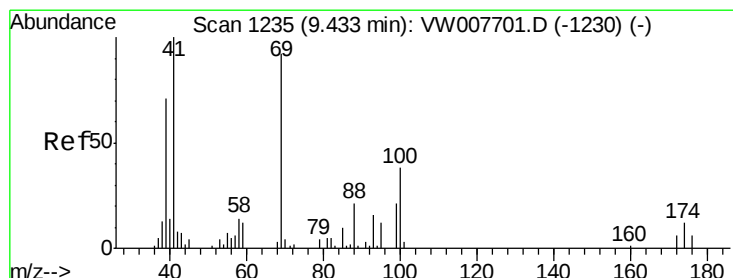
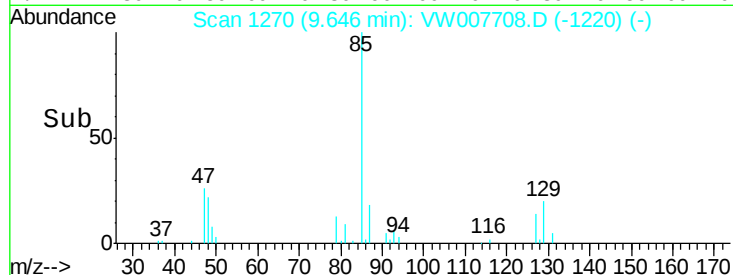
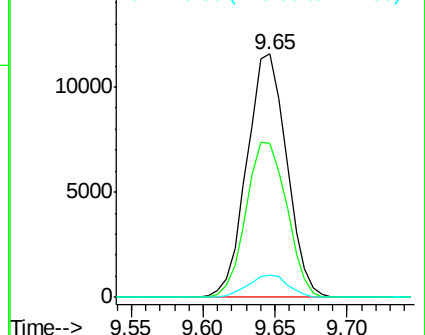
83 100

85 63.0 51.4 77.0

127 8.9 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): V



#48

Methyl methacrylate

Concen: 19.240 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

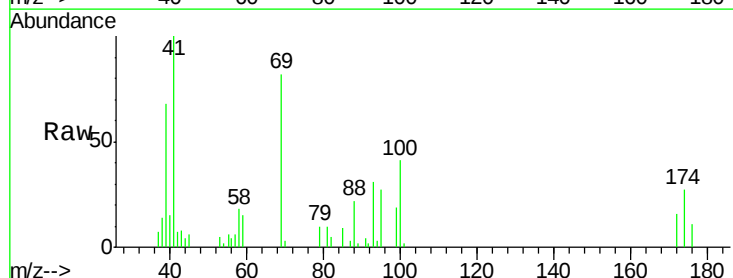
Tgt Ion: 41 Resp: 7784

Ion Ratio Lower Upper

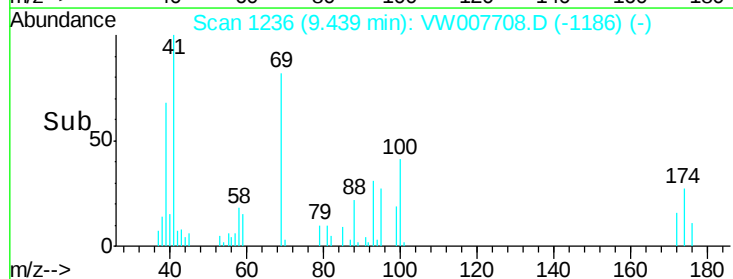
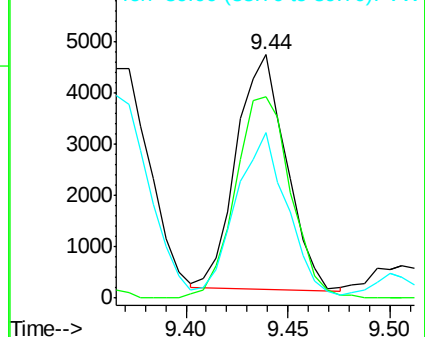
41 100

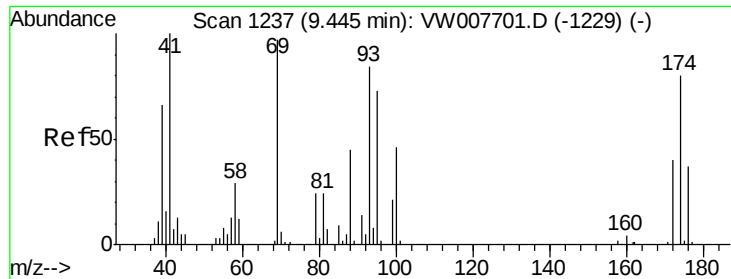
69 95.1 74.2 111.2

39 73.5 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: 393.852 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBS01

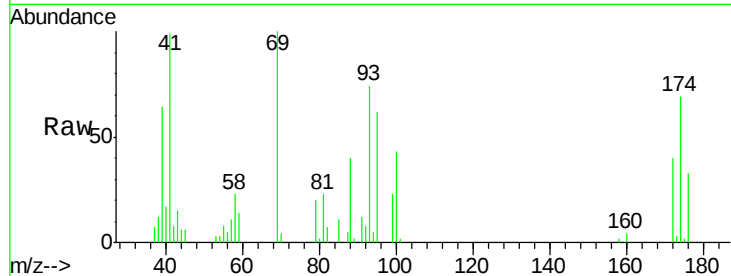
Tgt Ion: 88 Resp: 2668

Ion Ratio Lower Upper

88 100

43 33.9 25.6 38.4

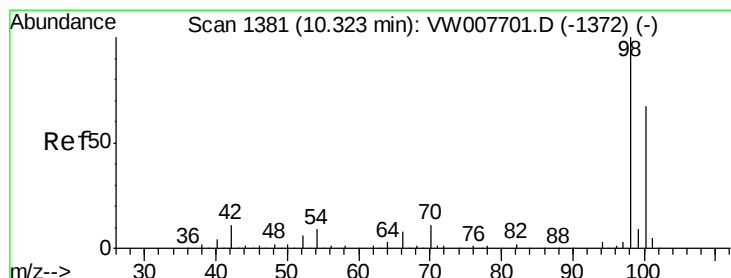
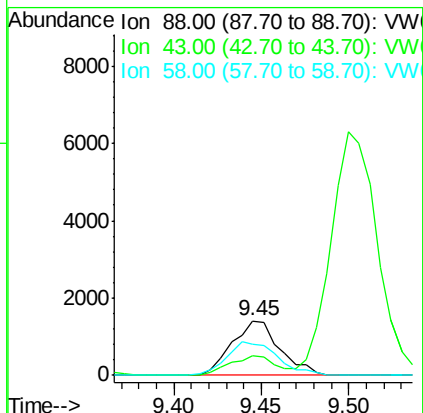
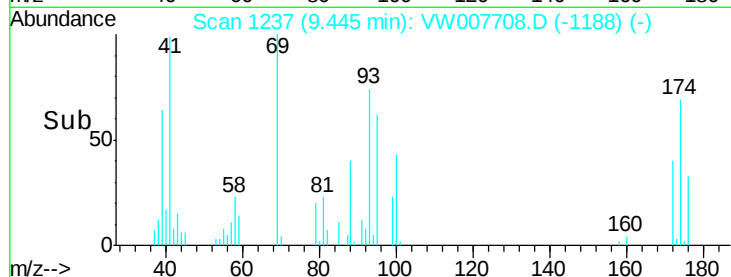
58 65.4 52.3 78.5



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: 52.137 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007708.D

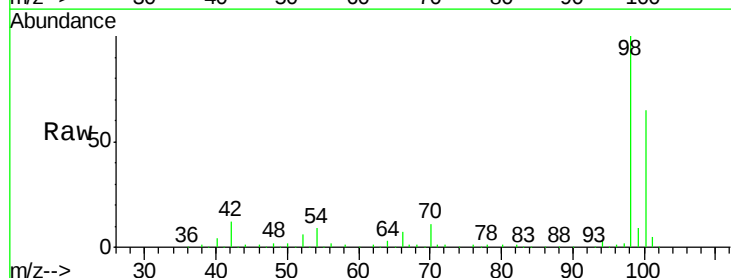
Acq: 19 Dec 2018 19:10

Tgt Ion: 98 Resp: 145627

Ion Ratio Lower Upper

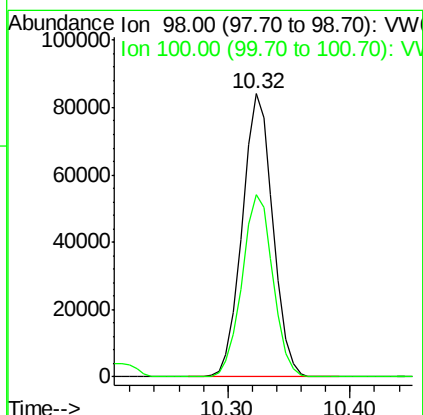
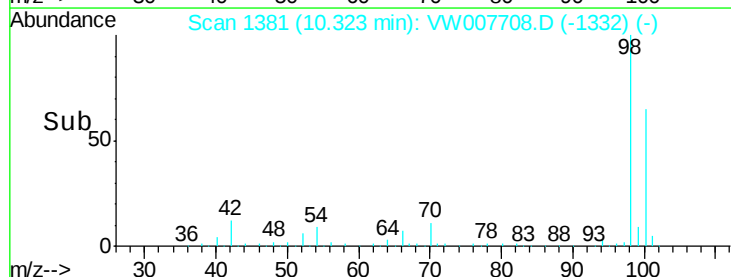
98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

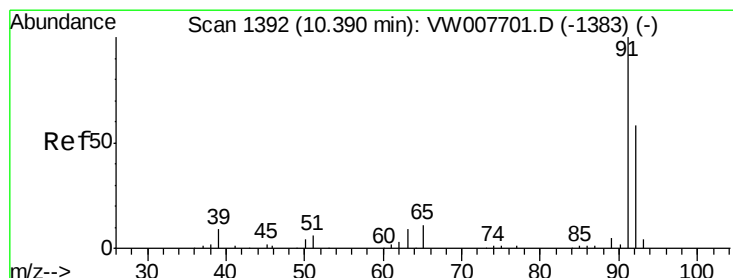
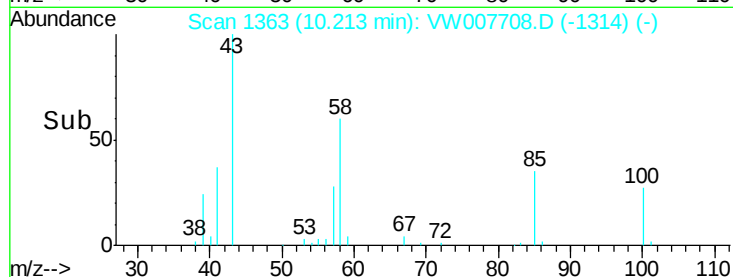
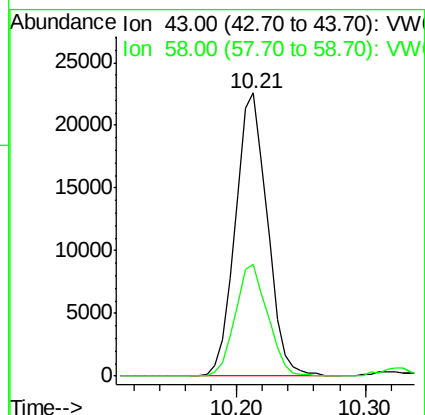
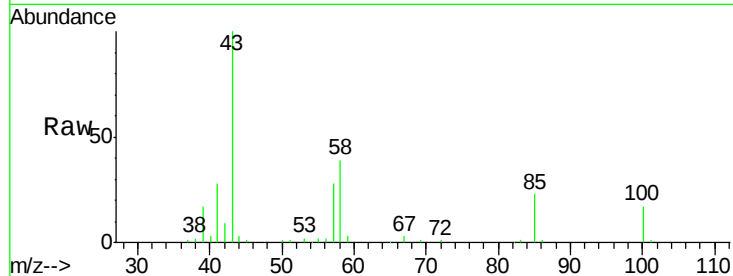




#51
 4-Methyl-2-Pentanone
 Concen: 101.568 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

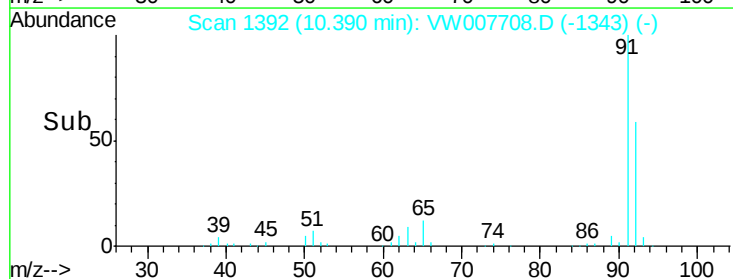
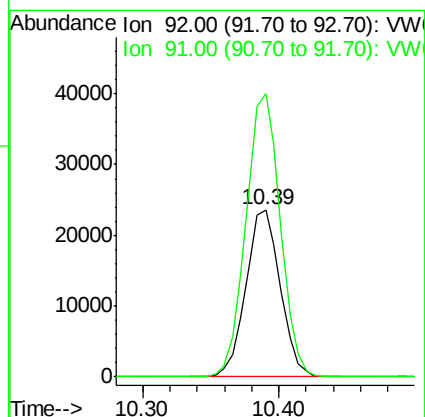
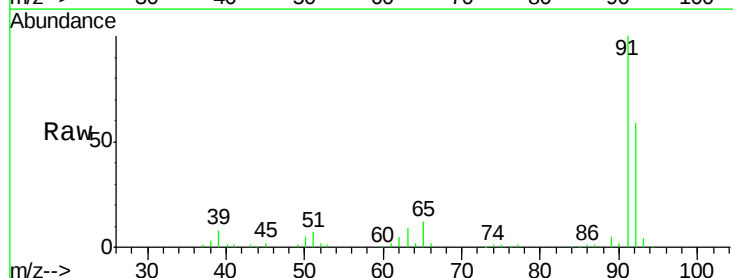
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

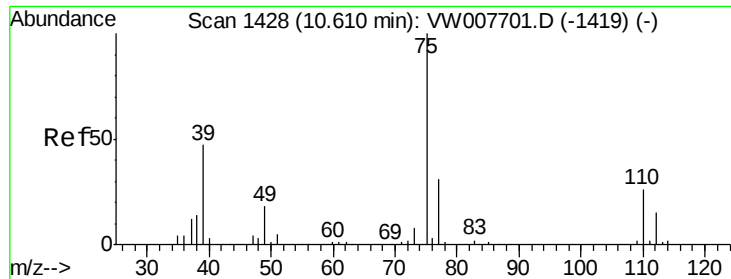
Tgt Ion: 43 Resp: 38905
 Ion Ratio Lower Upper
 43 100
 58 40.1 33.2 49.8



#52
 Toluene
 Concen: 19.862 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 92 Resp: 41685
 Ion Ratio Lower Upper
 92 100
 91 169.7 137.0 205.4

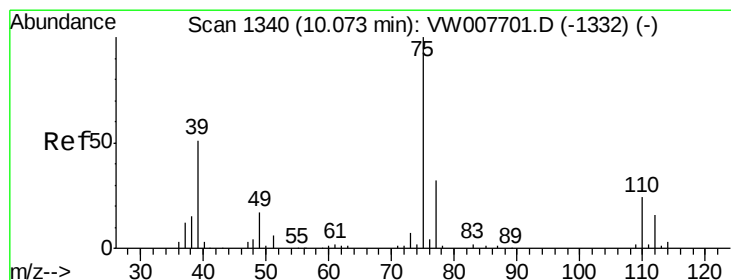
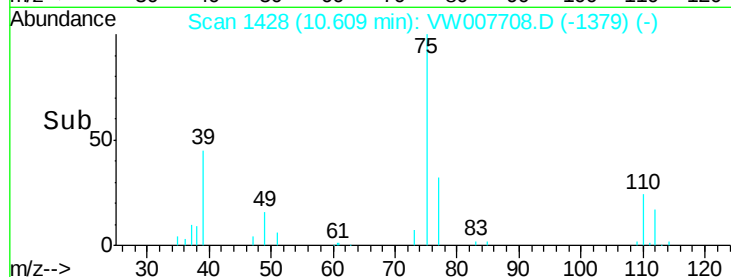
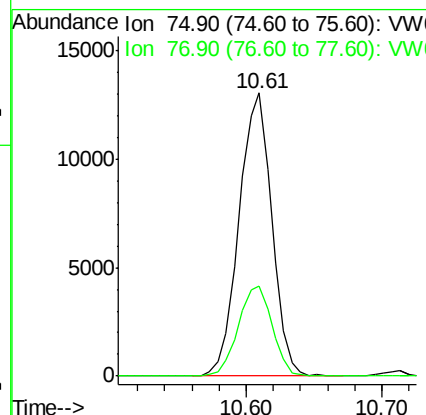
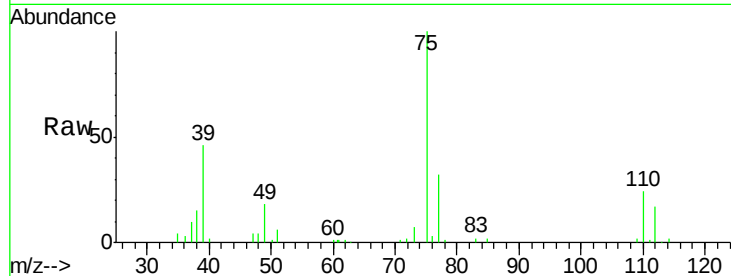




#53
 t-1,3-Dichloropropene
 Concen: 19.599 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

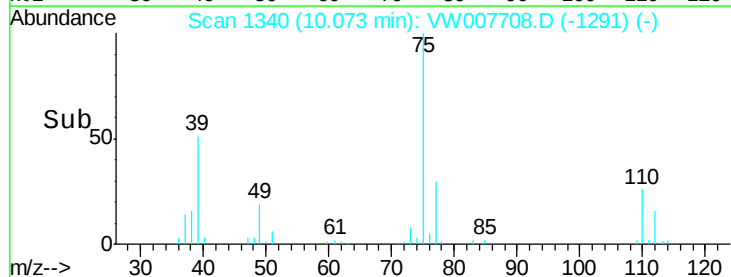
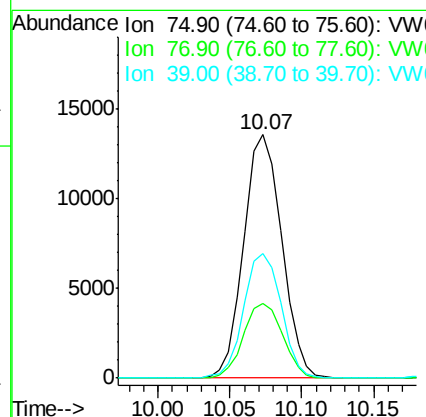
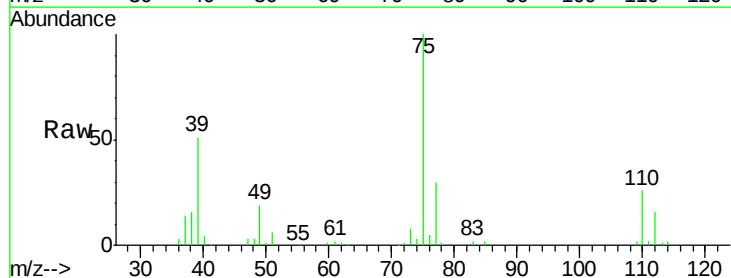
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

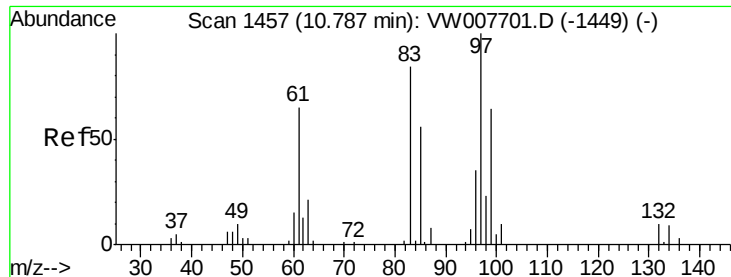
Tgt Ion: 75 Resp: 21897
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.197 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 75 Resp: 24925
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.5 38.3
 39 51.2 41.2 61.8

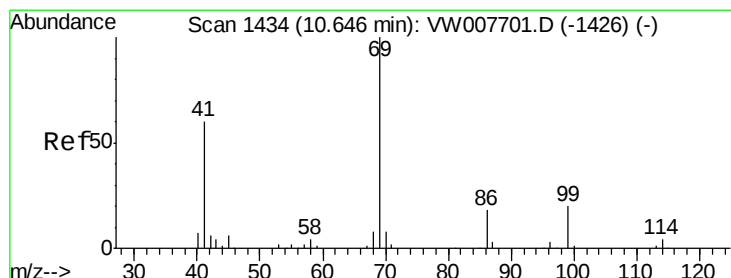
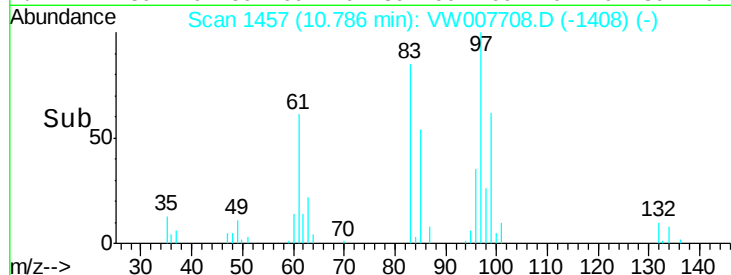
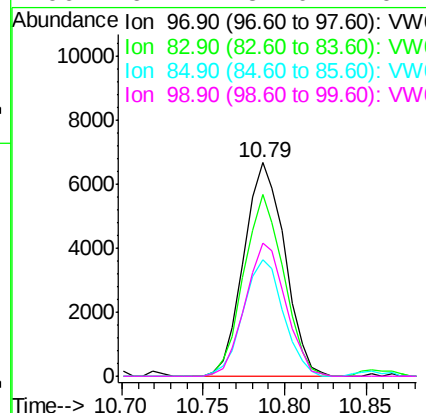
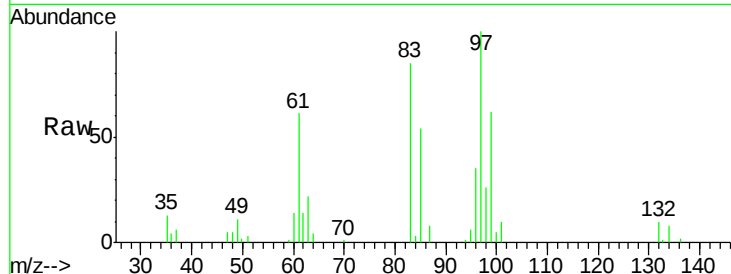




#55
 1,1,2-Trichloroethane
 Concen: 19.843 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

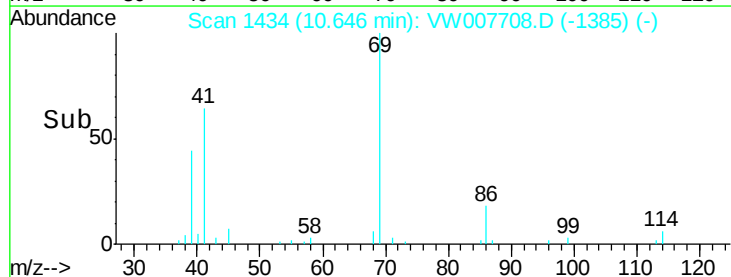
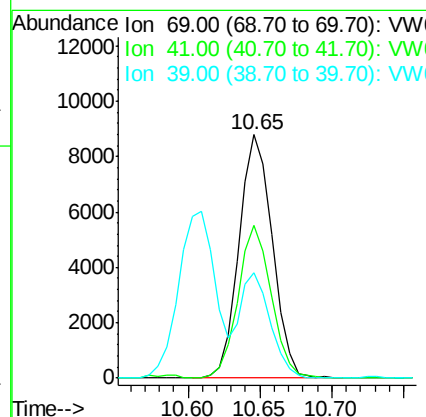
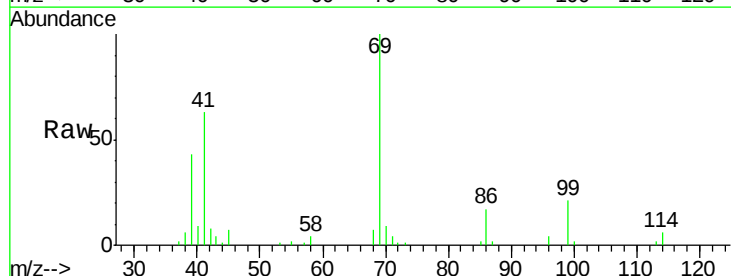
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

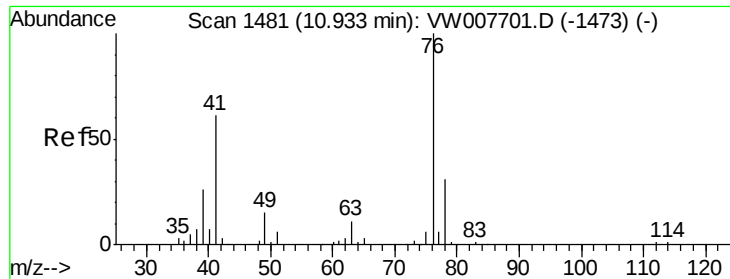
Tgt Ion:	97	Resp:	11688
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.5	101.3
85	54.3	44.8	67.2
99	62.2	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.355 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion:	69	Resp:	14166
Ion	Ratio	Lower	Upper
69	100		
41	62.7	48.9	73.3
39	39.7	31.3	46.9

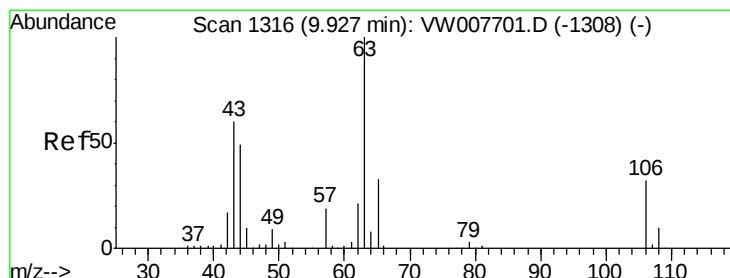
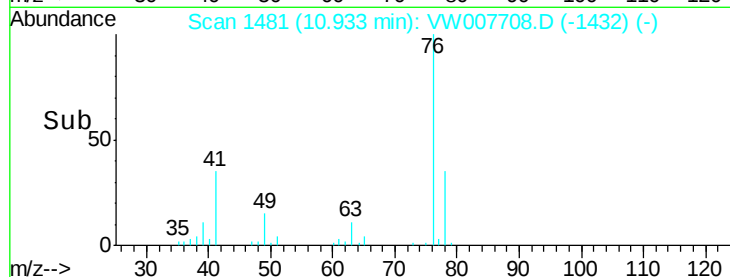
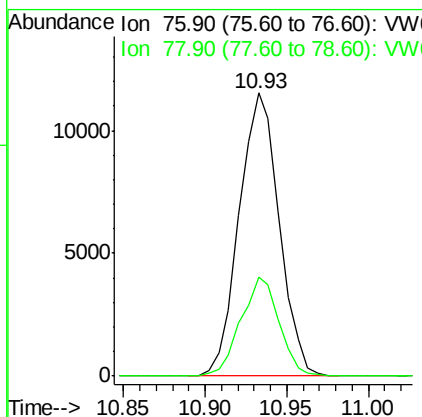
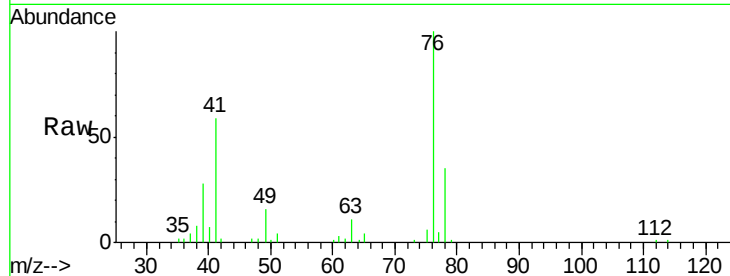




#57
 1,3-Dichloropropane
 Concen: 20.129 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

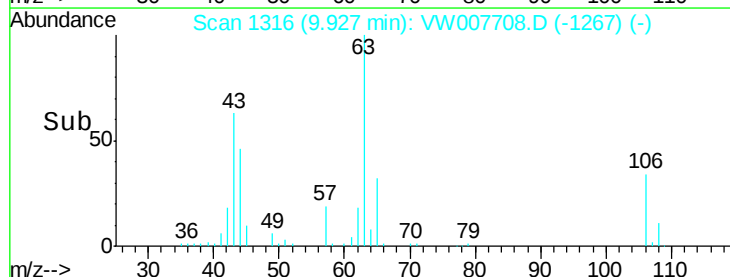
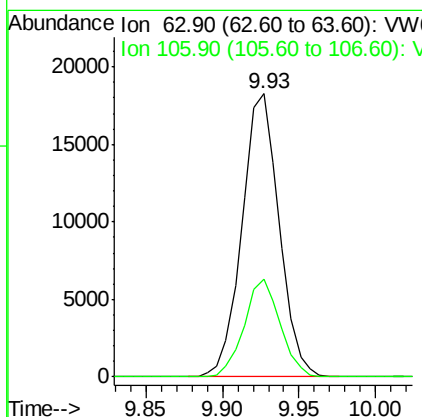
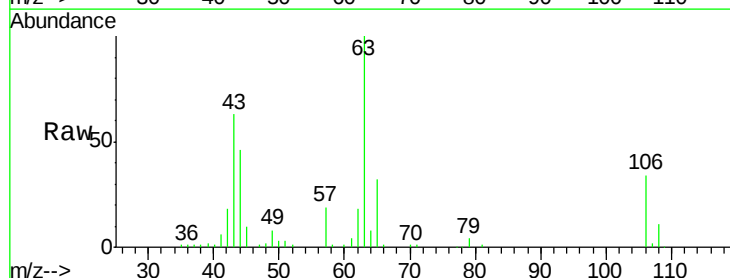
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

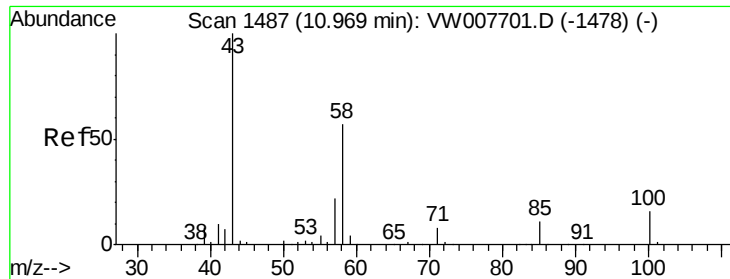
Tgt Ion: 76 Resp: 19688
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.795 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 63 Resp: 30756
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.9 38.9

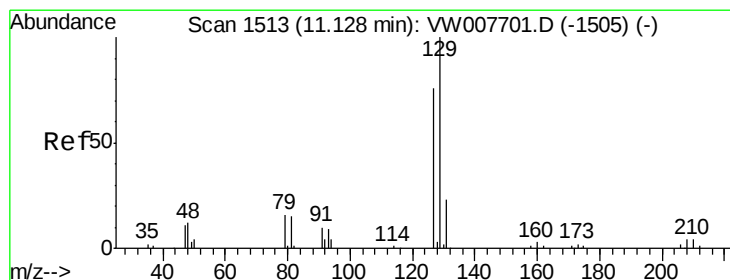
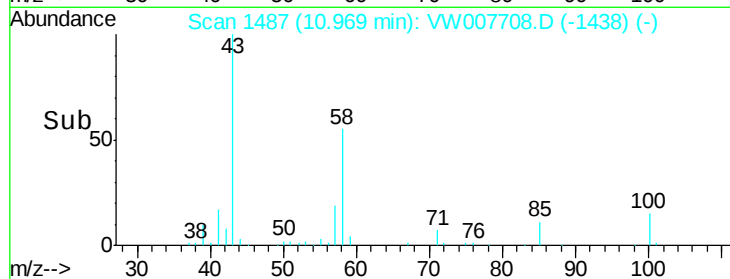
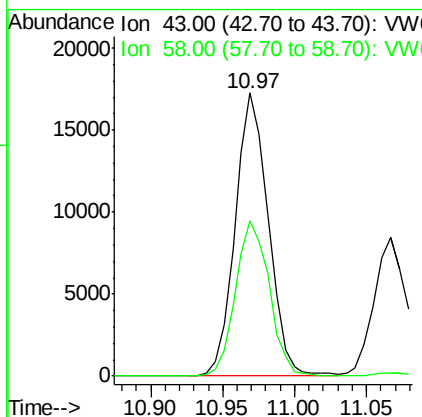
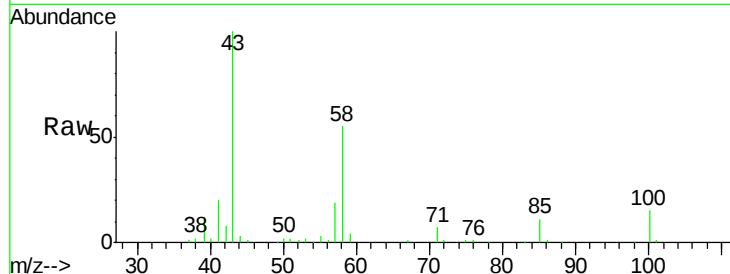




#59
2-Hexanone
Concen: 102.608 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

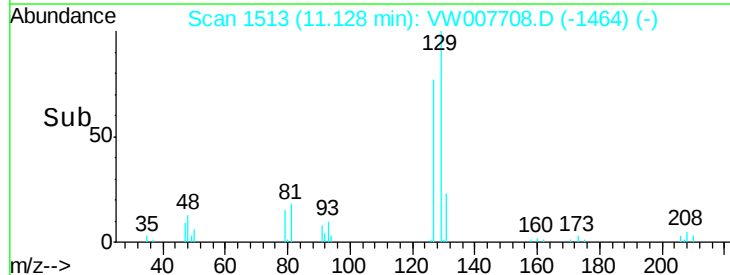
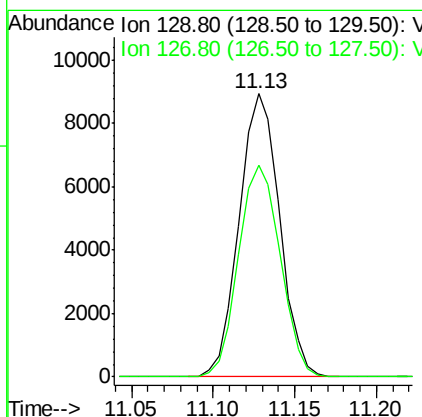
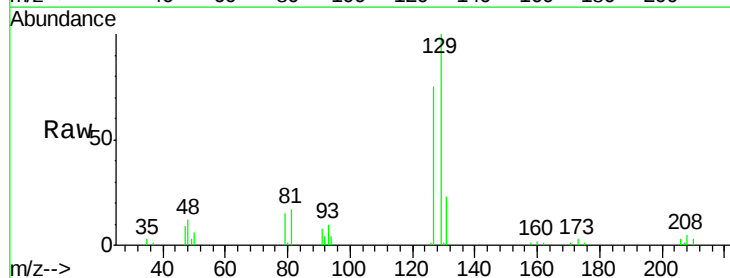
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBSD01

Tgt Ion: 43 Resp: 27641
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1



#60
Dibromochloromethane
Concen: 19.819 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 129 Resp: 15457
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9

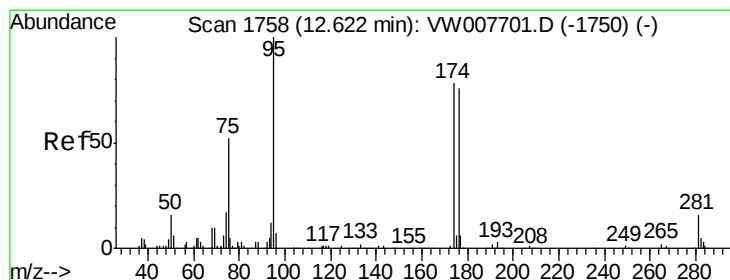
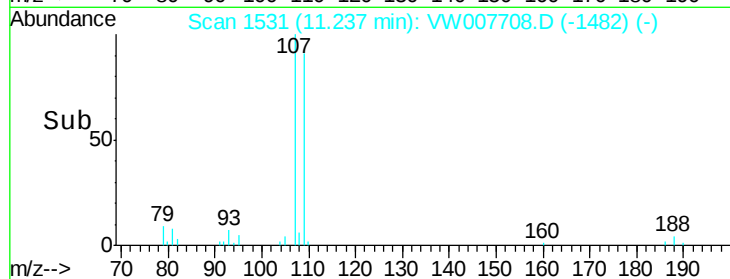
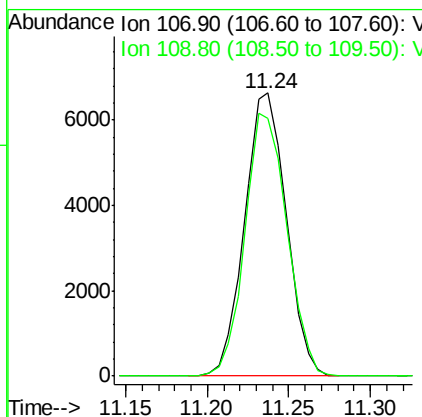
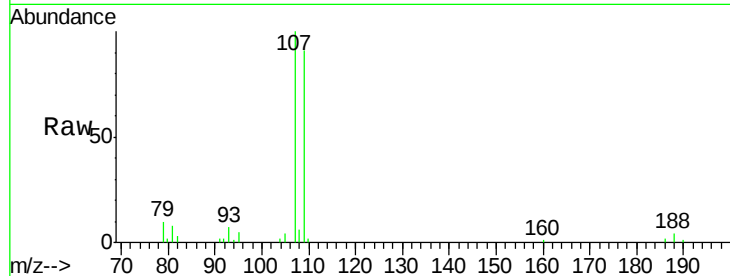




#61
 1,2-Dibromoethane
 Concen: 19.734 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

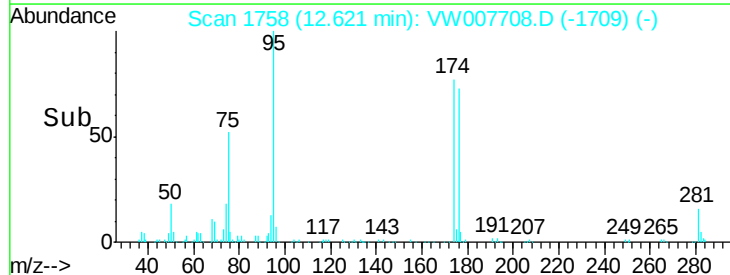
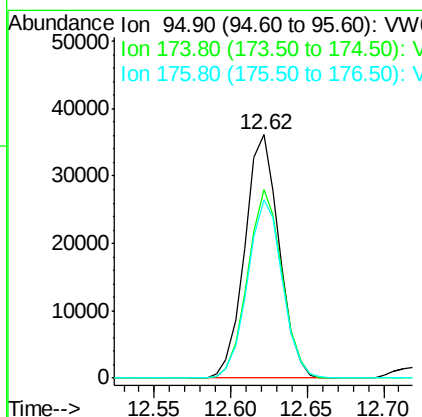
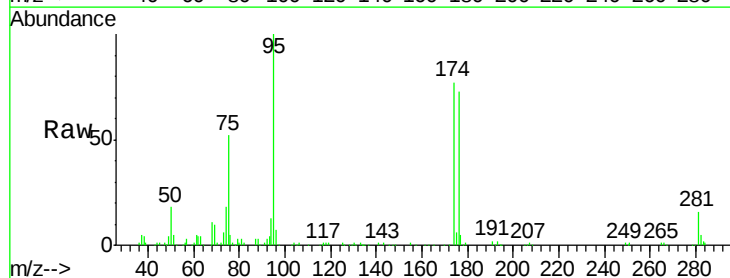
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBS01

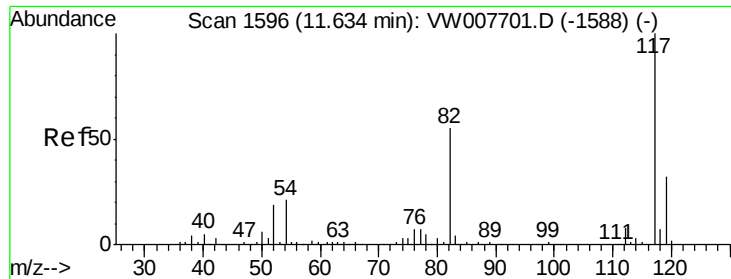
Tgt Ion: 107 Resp: 11771
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.270 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 95 Resp: 56403
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 152.2
 176 74.4 0.0 146.8

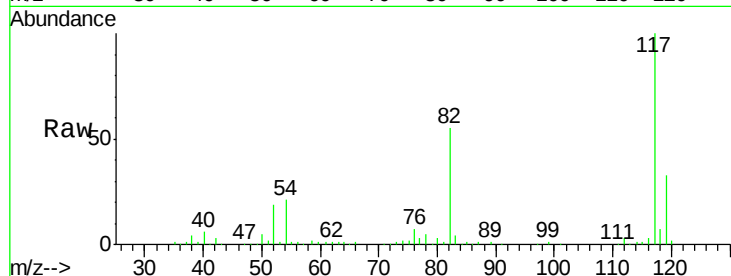




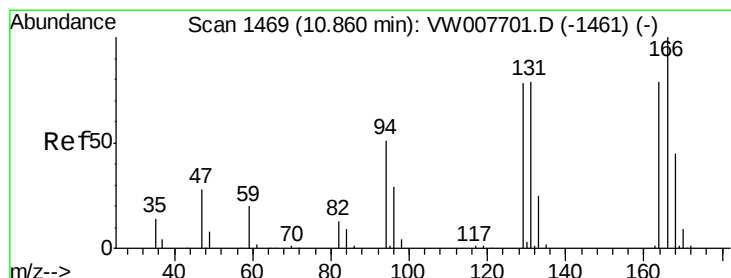
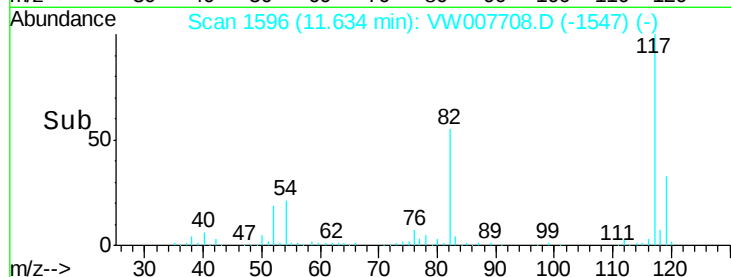
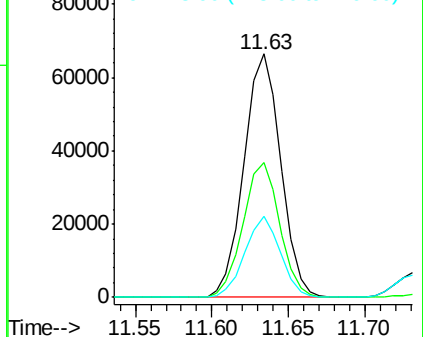
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:117 Resp: 111210
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 33.1 25.7 38.5

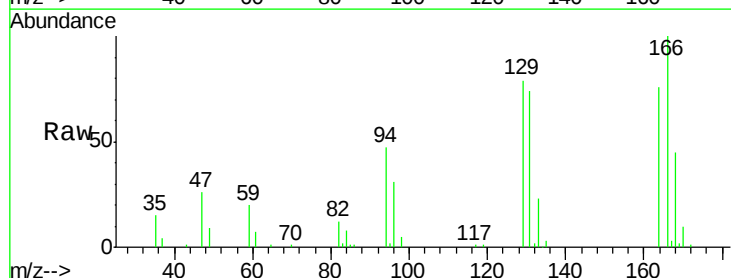


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

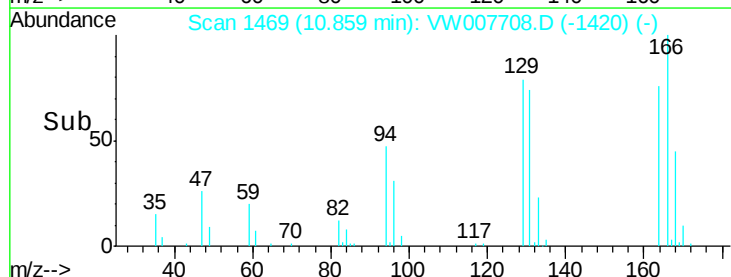
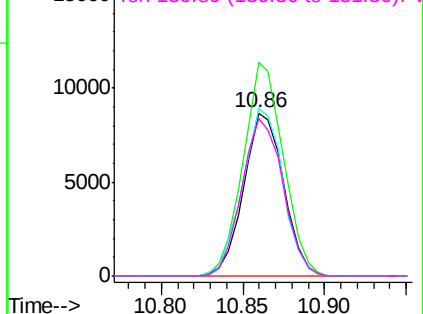


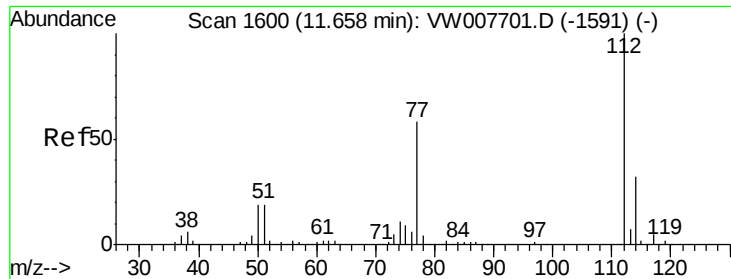
#64
Tetrachloroethene
Concen: 18.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion:164 Resp: 14790
Ion Ratio Lower Upper
164 100
166 131.1 101.0 151.6
129 103.0 78.7 118.1
131 96.9 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: 19.615 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

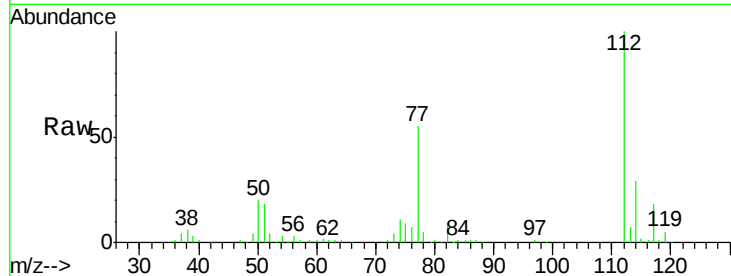
VW1221SBSD01

Tgt Ion:112 Resp: 47215

Ion Ratio Lower Upper

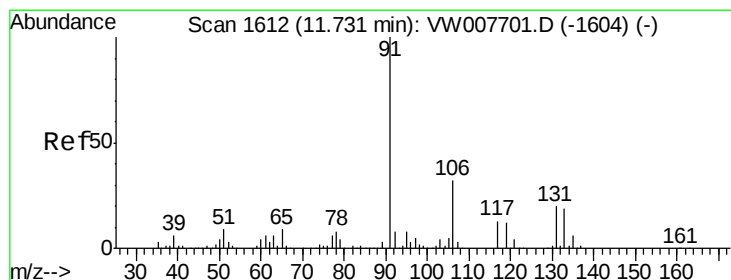
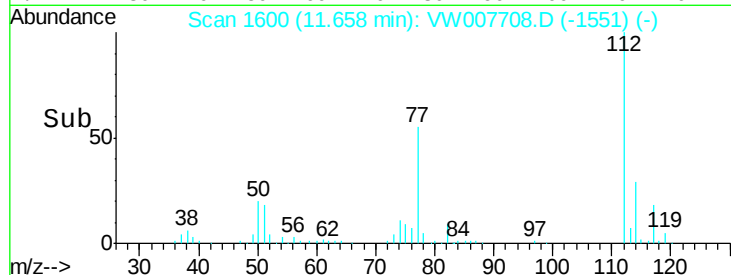
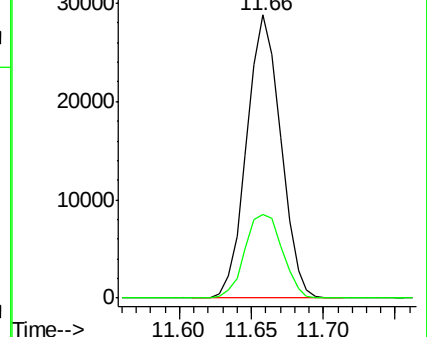
112 100

114 29.5 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

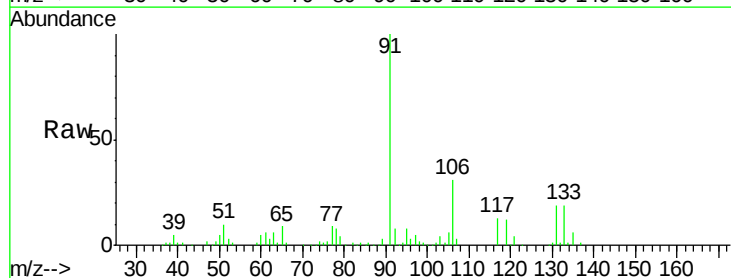
Tgt Ion:131 Resp: 16649

Ion Ratio Lower Upper

131 100

133 97.3 47.5 142.5

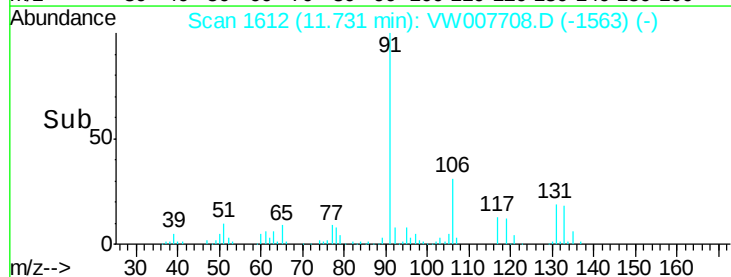
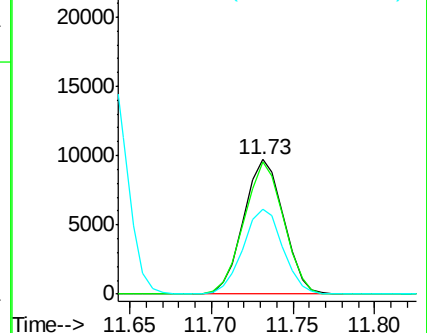
119 63.1 30.2 90.6

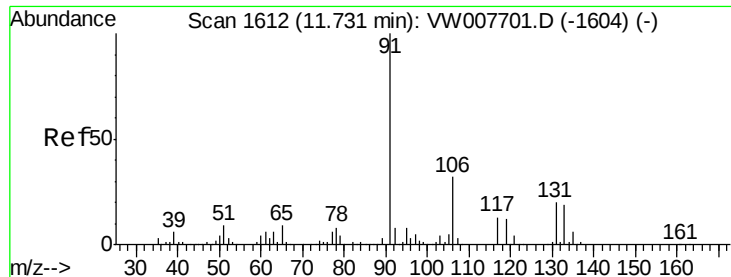


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

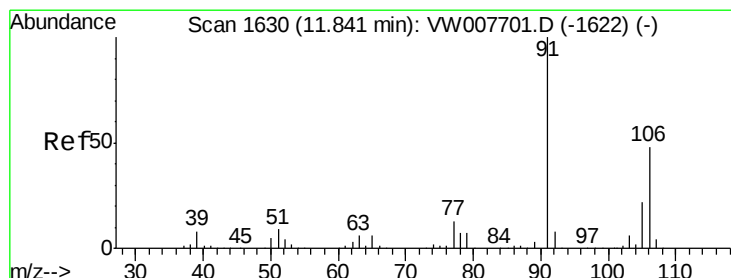
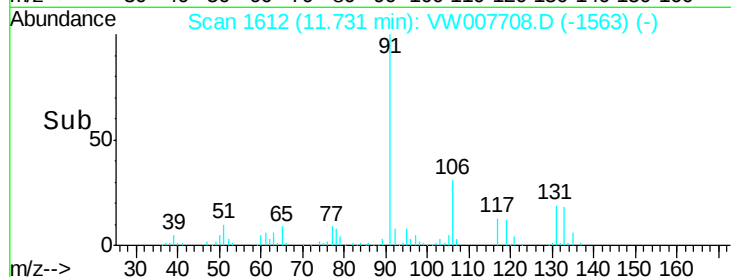
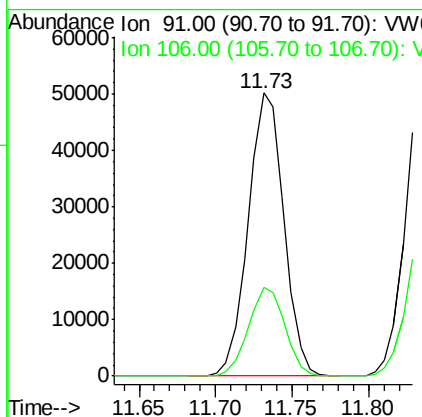
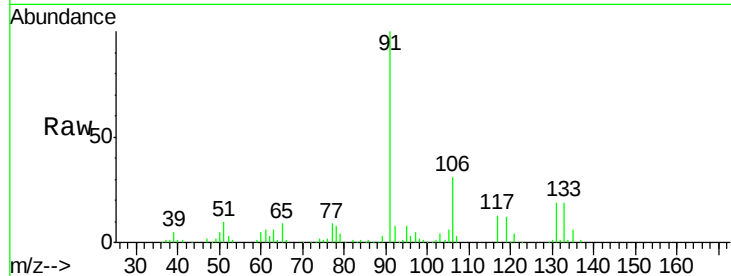




#67
Ethyl Benzene
Concen: 19.688 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

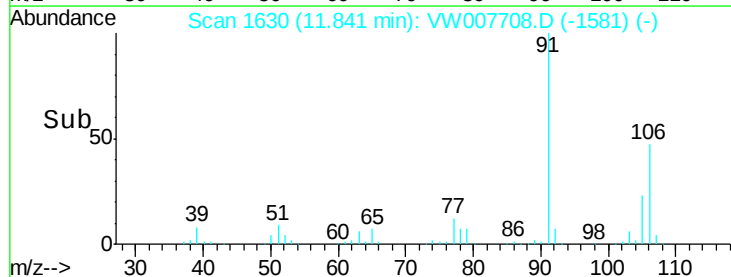
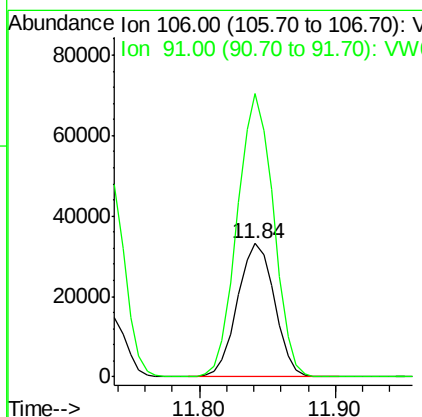
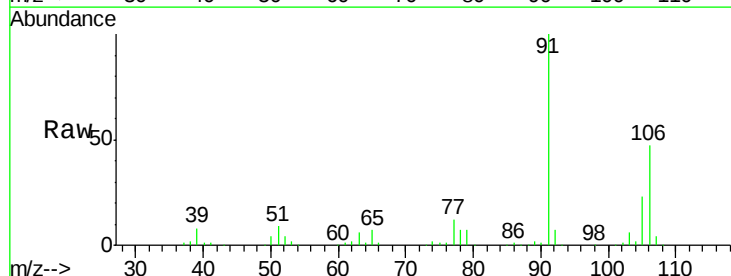
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBSD01

Tgt Ion: 91 Resp: 81322
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8



#68
m/p-Xylenes
Concen: 39.401 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 106 Resp: 63132
Ion Ratio Lower Upper
106 100
91 207.8 165.2 247.8

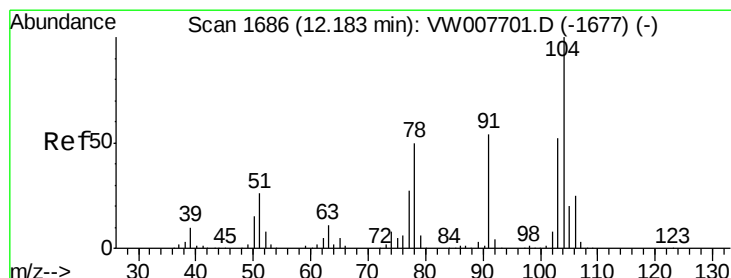
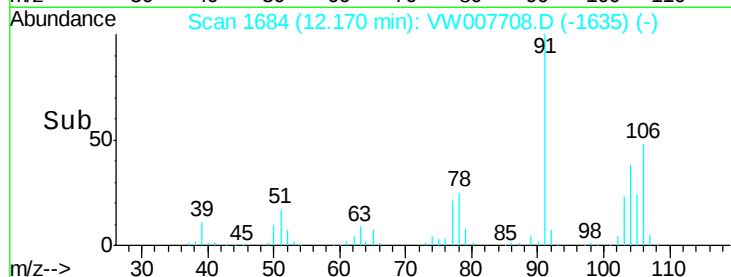
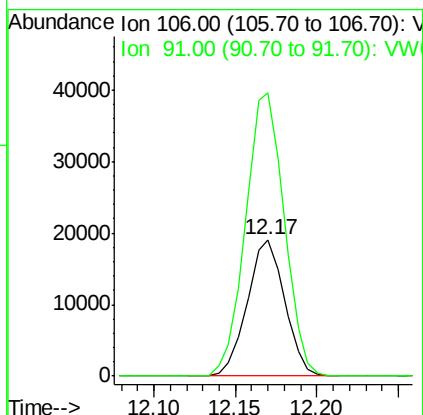
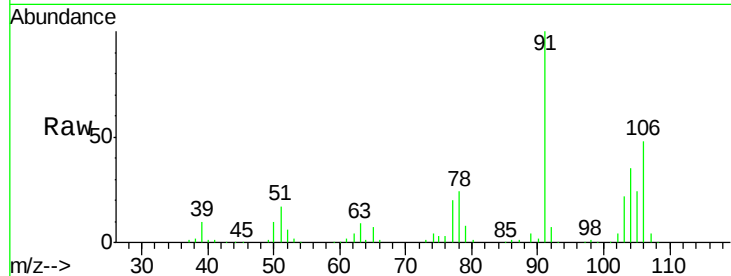




#69
o-Xylene
Concen: 20.341 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

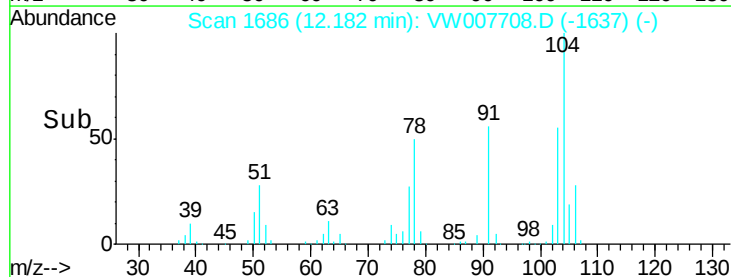
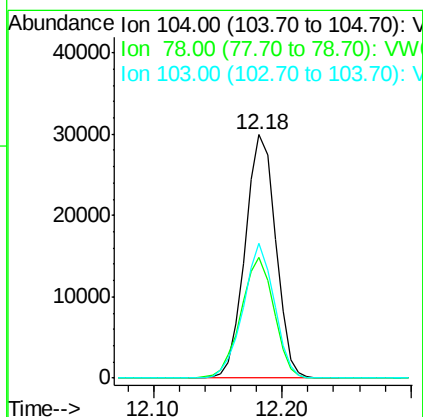
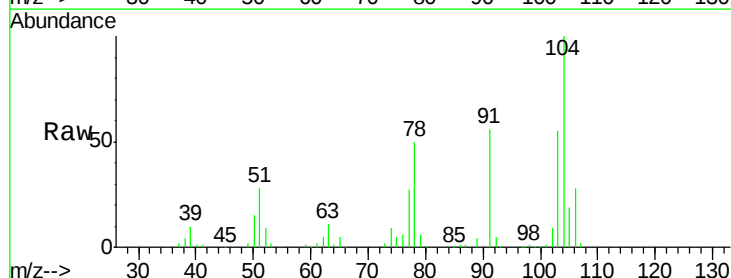
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:106 Resp: 30551
Ion Ratio Lower Upper
106 100
91 213.8 110.5 331.4



#70
Styrene
Concen: 19.779 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion:104 Resp: 48833
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 56.6 44.5 66.7





#71

Bromoform

Concen: 19.456 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

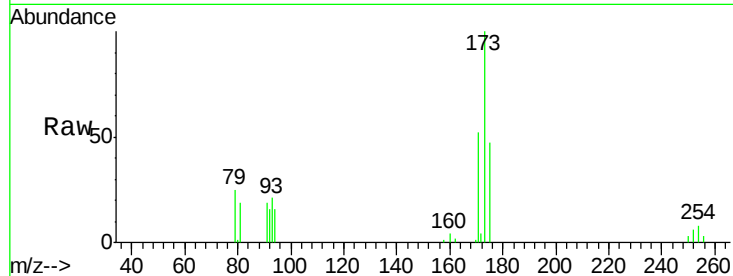
Tgt Ion:173 Resp: 8687

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.7

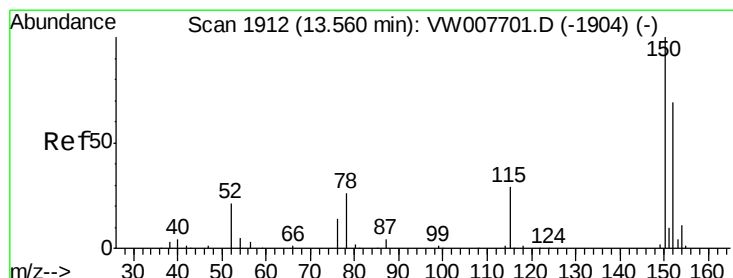
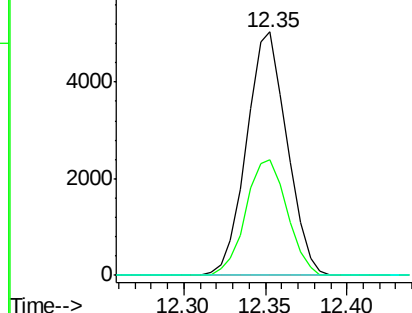
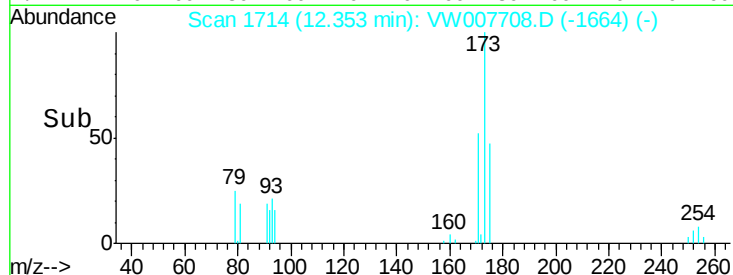
254 0.0 0.0 0.0



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: VW007708.D

Acq: 19 Dec 2018 19:10

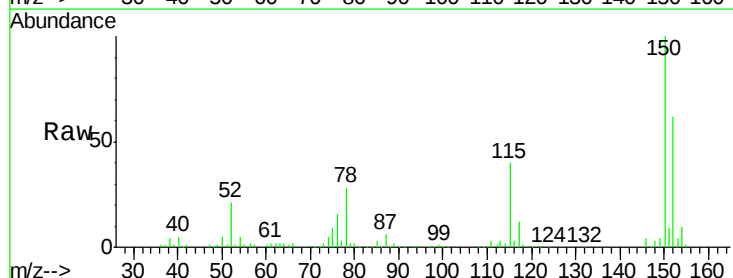
Tgt Ion:152 Resp: 57553

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

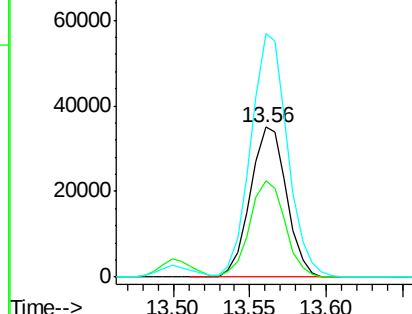
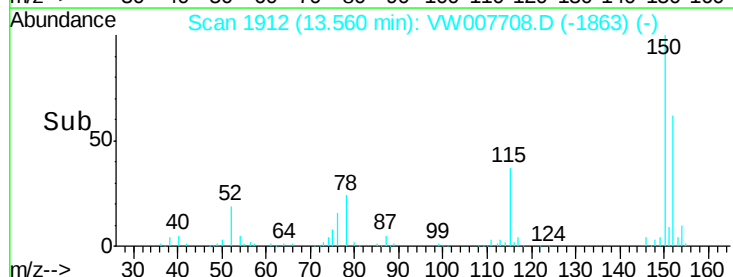
150 165.4 0.0 350.8



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: 19.184 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

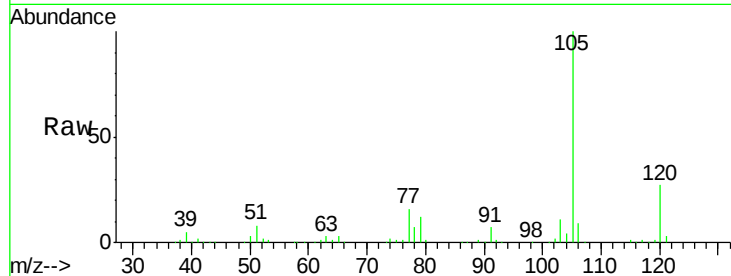
VW1221SBSD01

Tgt Ion: 105 Resp: 83458

Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

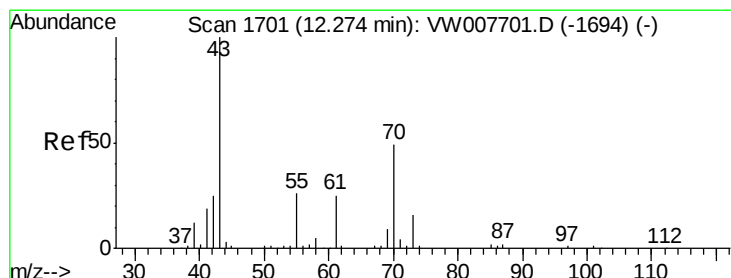
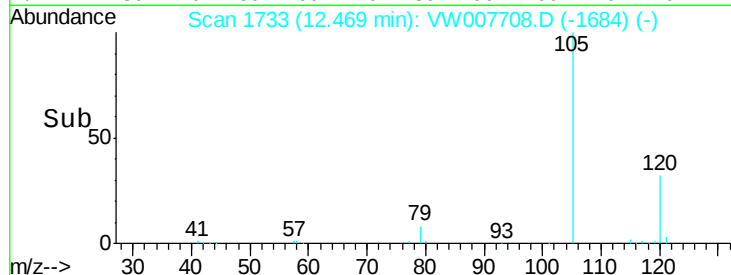
20000

10000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 19.918 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Tgt Ion: 43 Resp: 15009

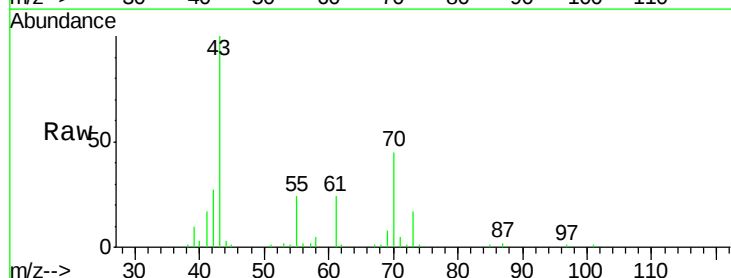
Ion Ratio Lower Upper

43 100

70 45.6 37.6 56.4

55 26.1 21.7 32.5

61 24.4 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

15000

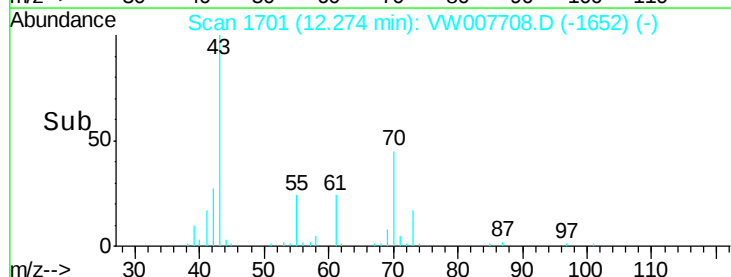
10000

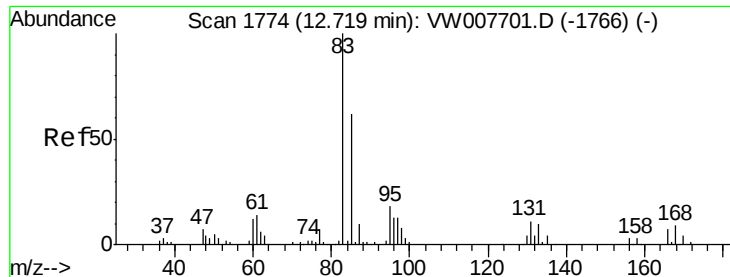
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.612 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

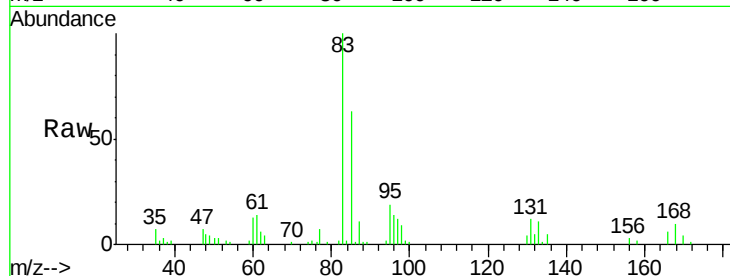
Tgt Ion: 83 Resp: 12792

Ion Ratio Lower Upper

83 100

131 13.7 6.3 18.8

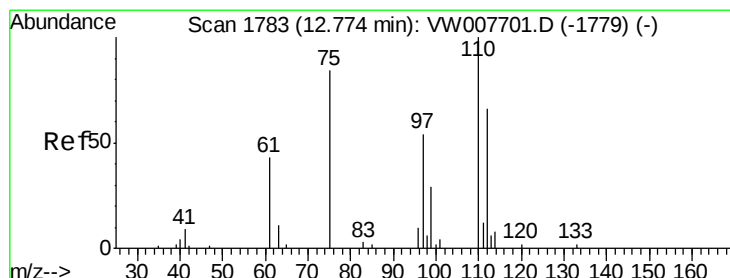
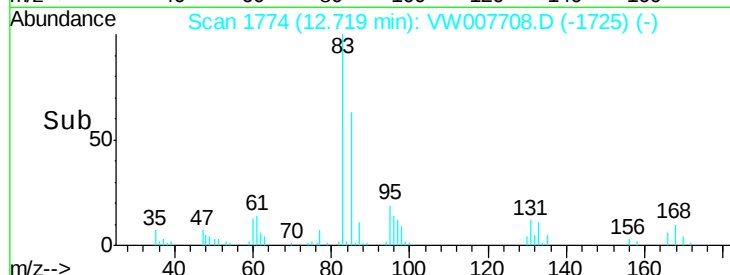
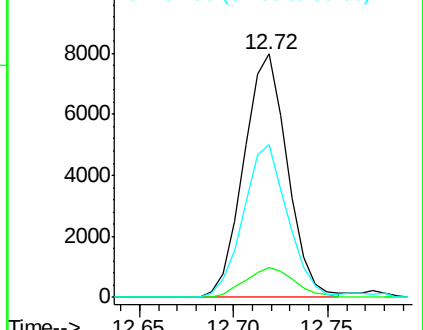
85 63.8 32.3 96.8



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: 41.103 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007708.D

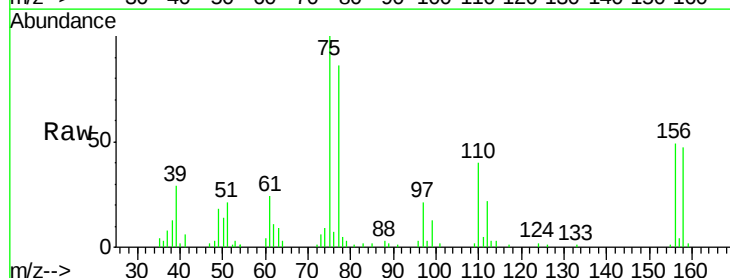
Acq: 19 Dec 2018 19:10

Tgt Ion: 75 Resp: 18284

Ion Ratio Lower Upper

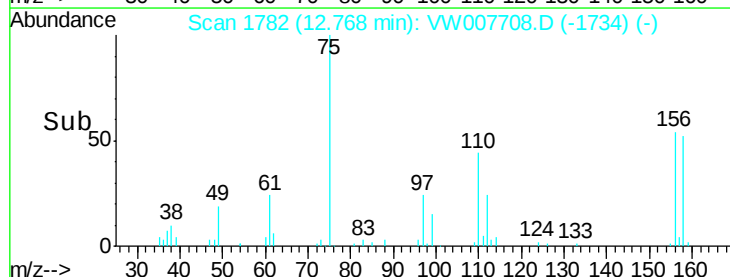
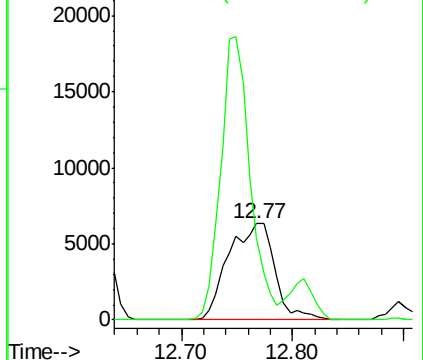
75 100

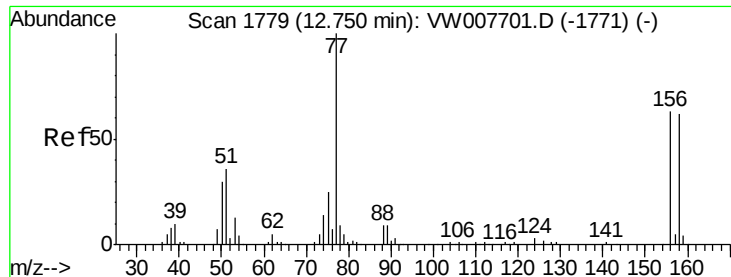
77 186.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.908 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

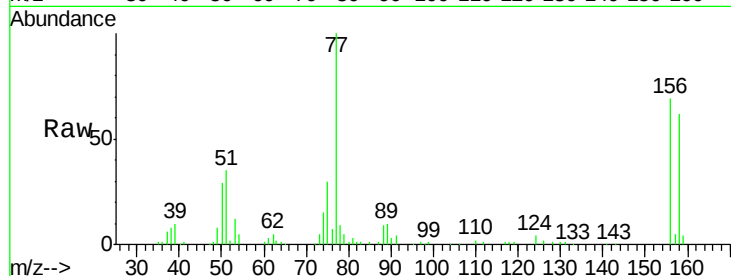
Tgt Ion: 156 Resp: 19848

Ion Ratio Lower Upper

156 100

77 171.9 87.4 262.1

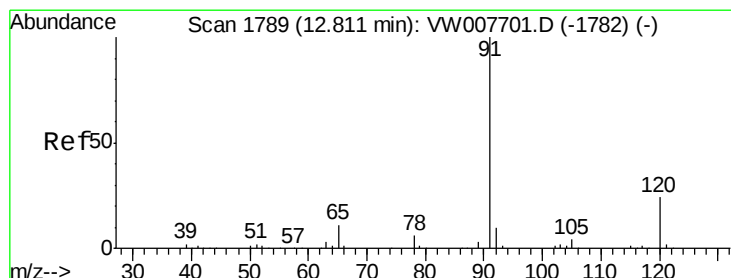
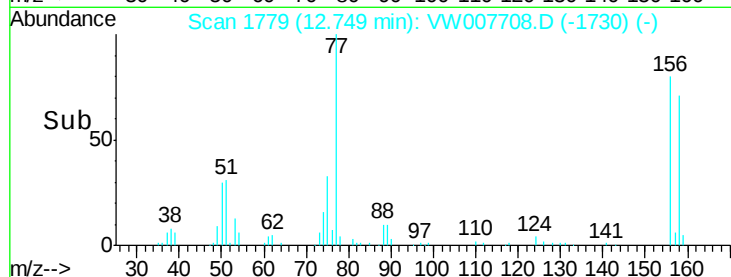
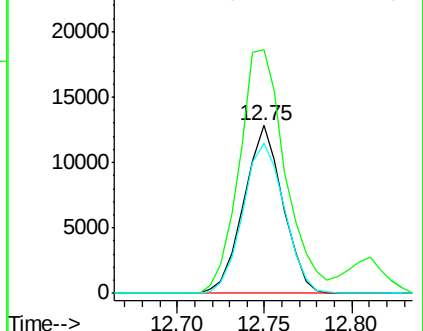
158 95.5 48.4 145.0



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: 19.236 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007708.D

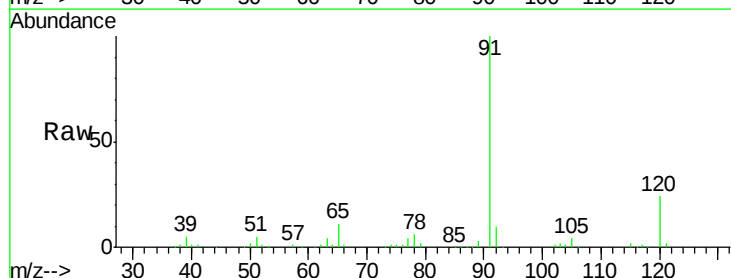
Acq: 19 Dec 2018 19:10

Tgt Ion: 91 Resp: 97413

Ion Ratio Lower Upper

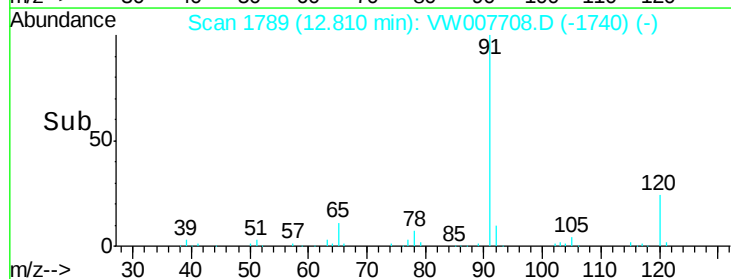
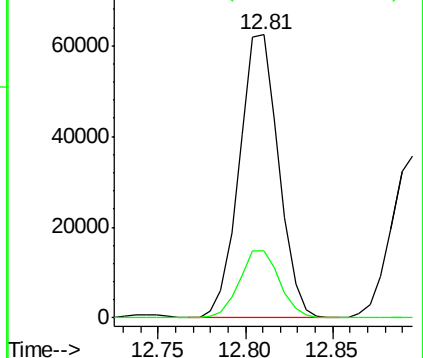
91 100

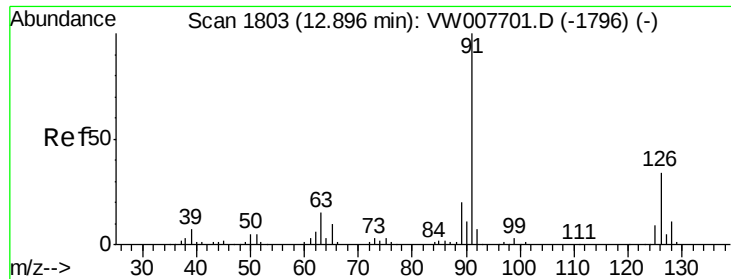
120 24.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

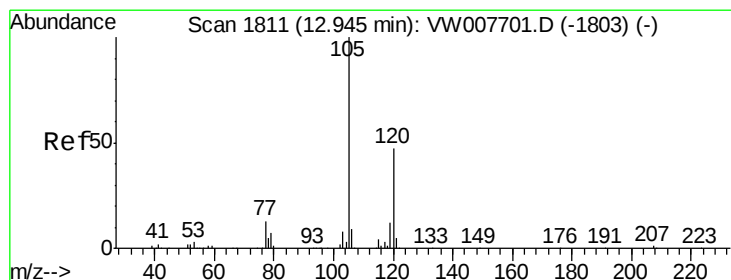
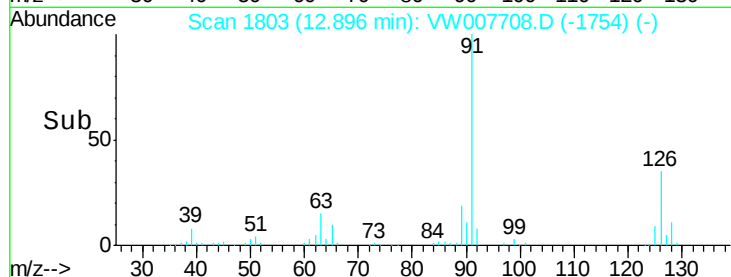
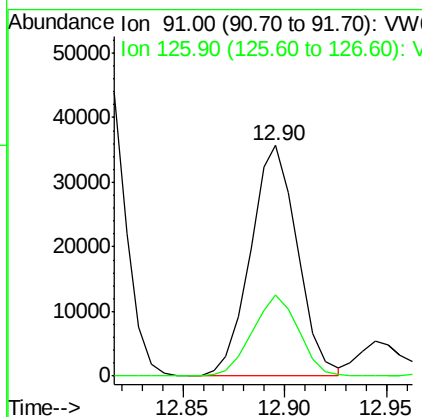
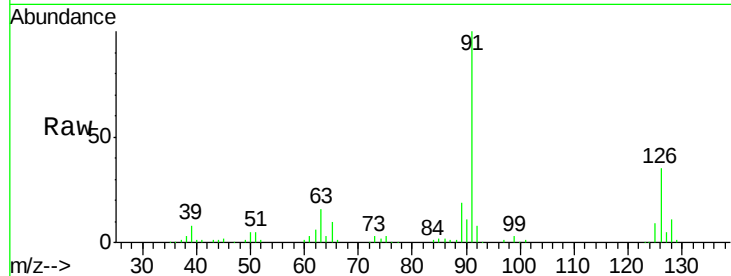




#79
 2-Chlorotoluene
 Concen: 19.304 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

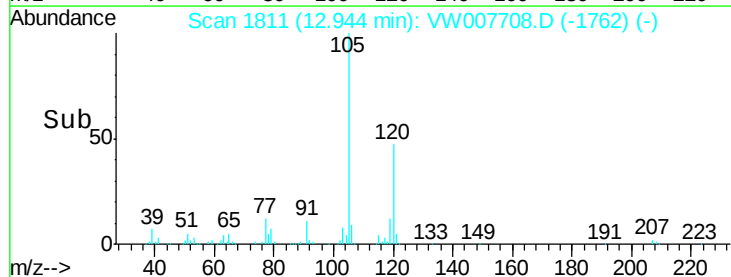
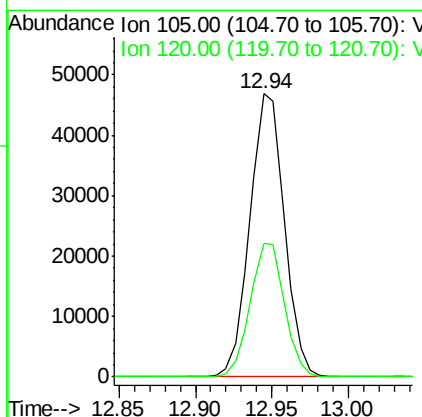
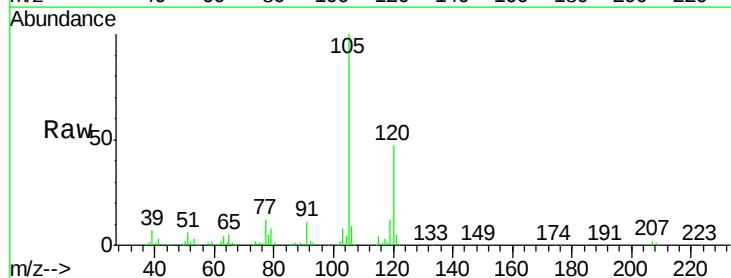
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

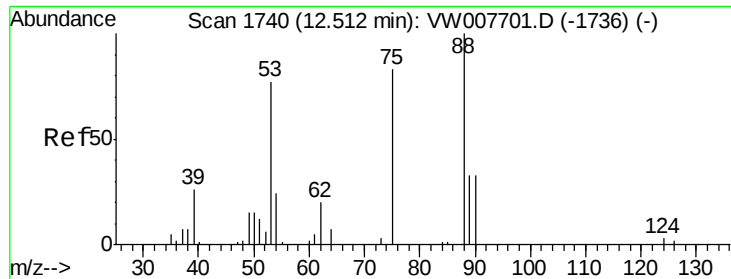
Tgt Ion: 91 Resp: 56948
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.609 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 105 Resp: 73583
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8

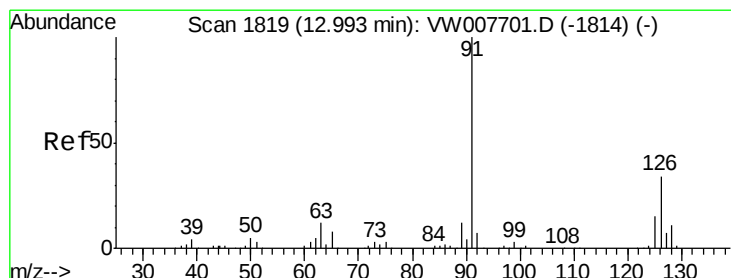
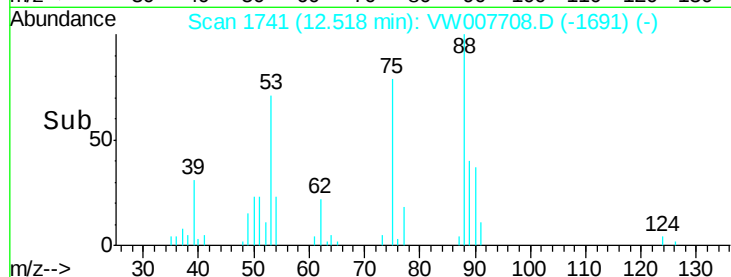
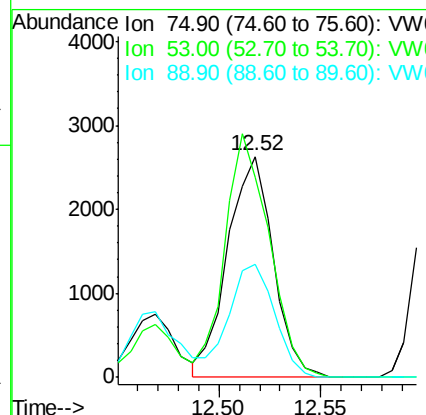
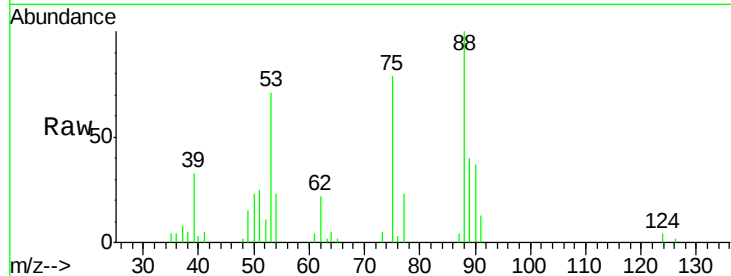




#81
trans-1,4-Dichloro-2-butene
Concen: 19.163 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

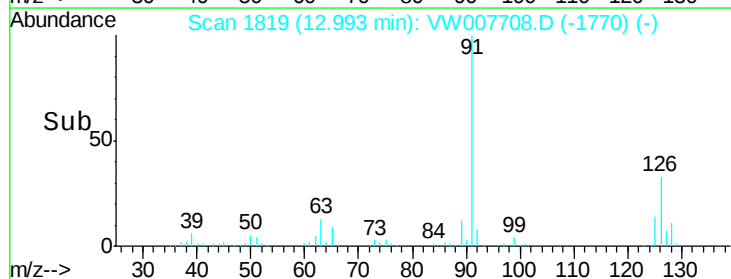
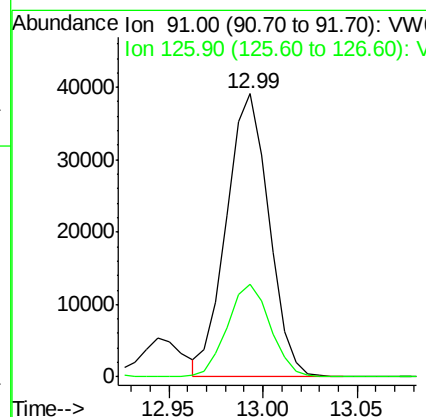
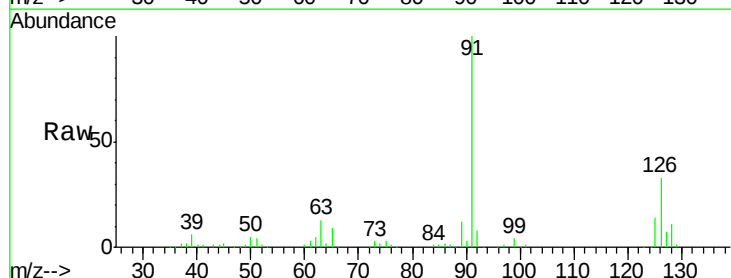
Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

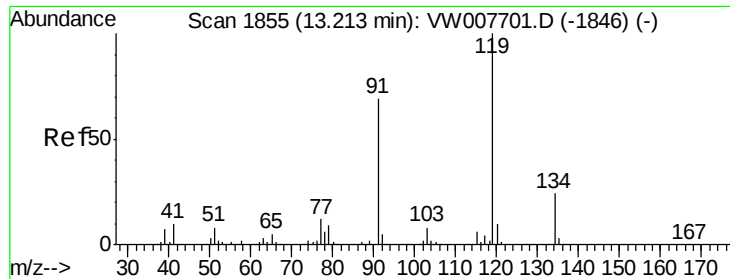
Tgt Ion: 75 Resp: 4061
Ion Ratio Lower Upper
75 100
53 107.8 80.2 120.2
89 52.9 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.528 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion: 91 Resp: 61340
Ion Ratio Lower Upper
91 100
126 33.1 16.5 49.5





#83

tert-Butylbenzene

Concen: 19.476 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

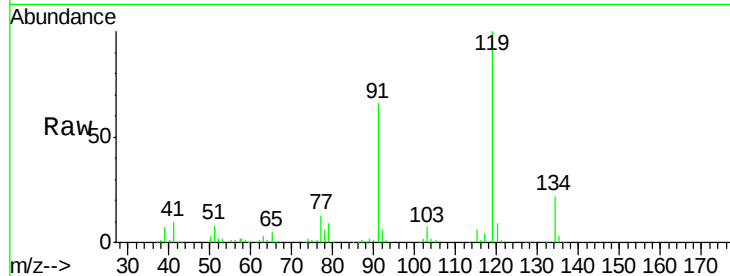
Tgt Ion:119 Resp: 64126

Ion Ratio Lower Upper

119 100

91 67.5 34.2 102.5

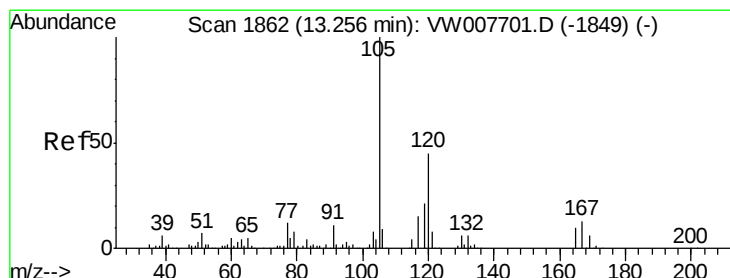
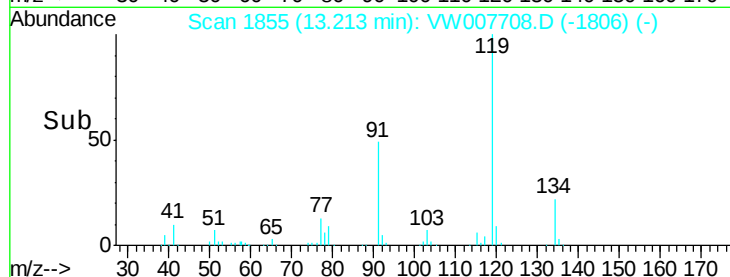
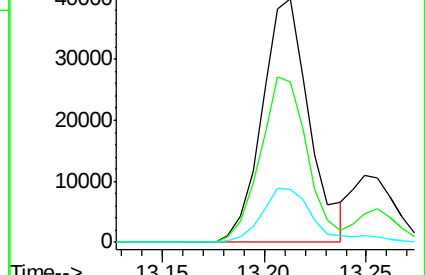
134 25.1 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.643 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007708.D

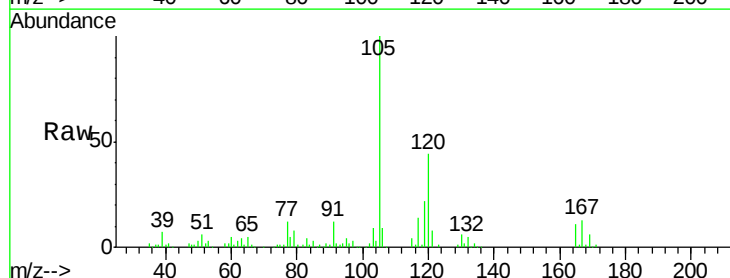
Acq: 19 Dec 2018 19:10

Tgt Ion:105 Resp: 74379

Ion Ratio Lower Upper

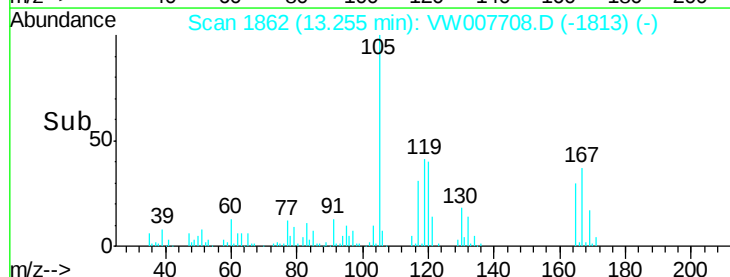
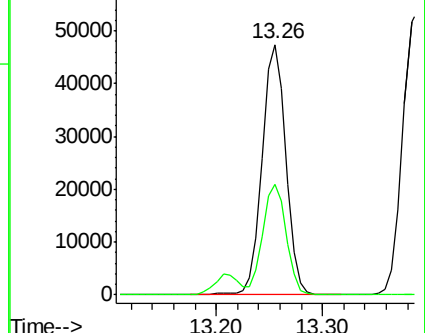
105 100

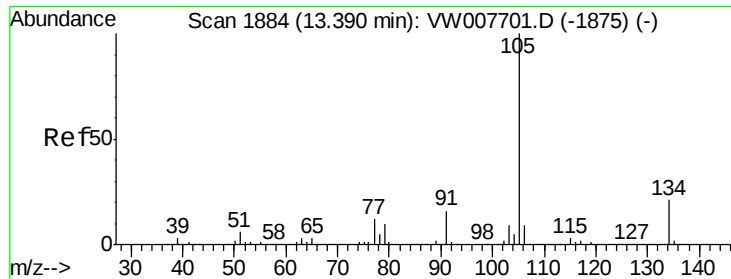
120 44.1 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

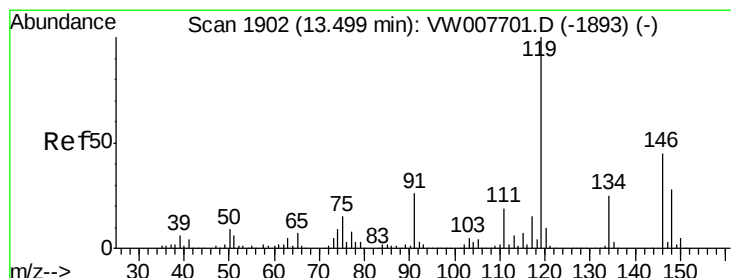
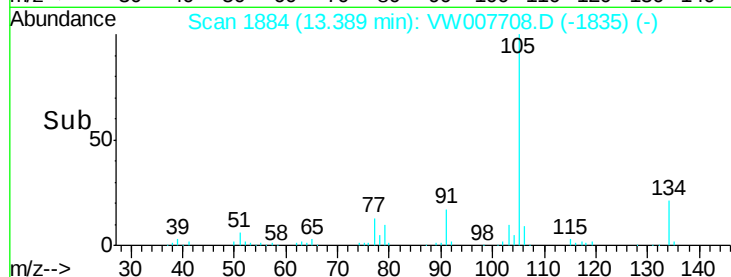
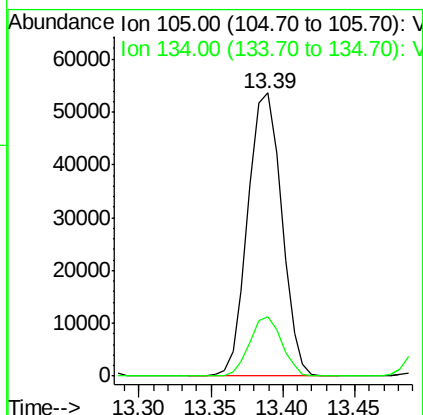
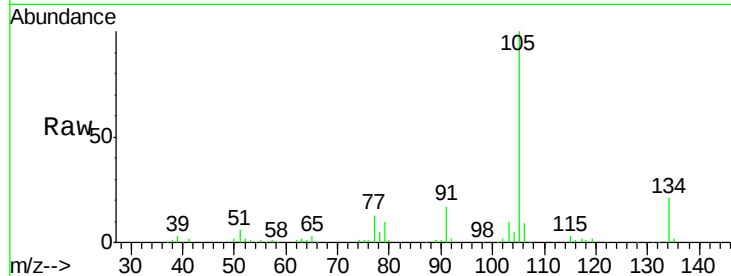




#85
 sec-Butylbenzene
 Concen: 19.205 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

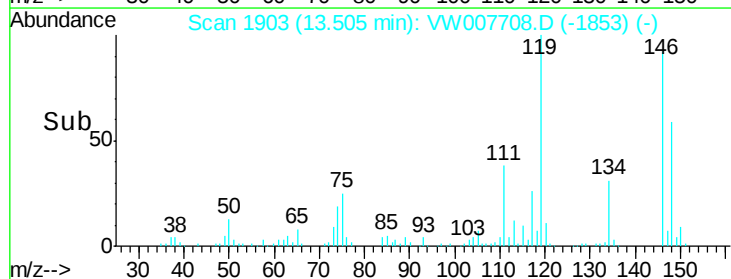
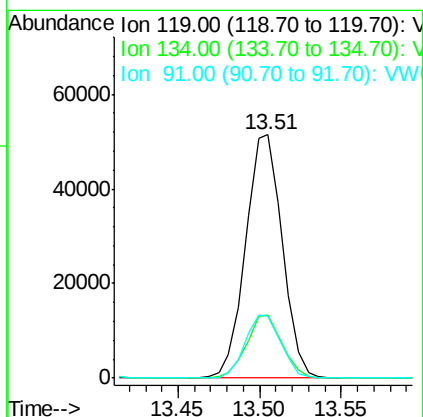
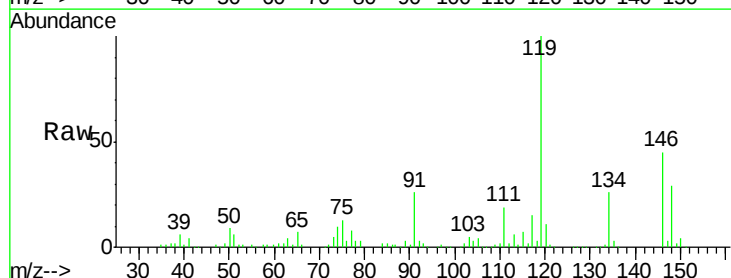
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

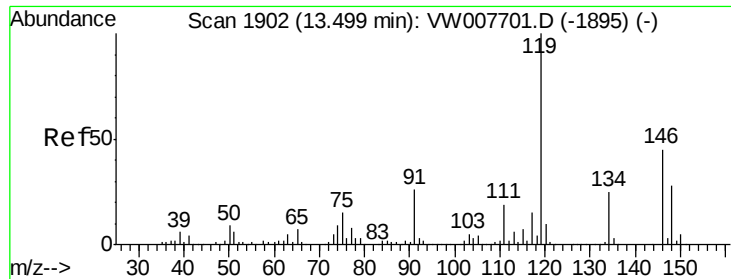
Tgt Ion:105 Resp: 87146
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.461 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion:119 Resp: 80300
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 25.6 12.8 38.4

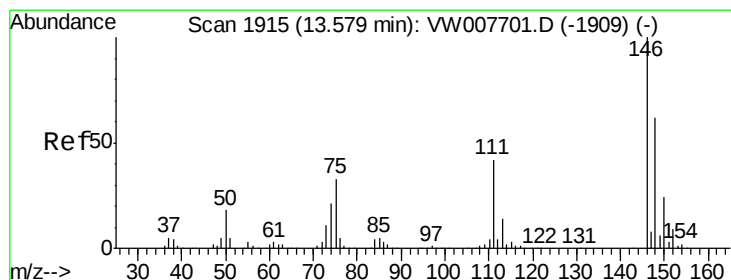
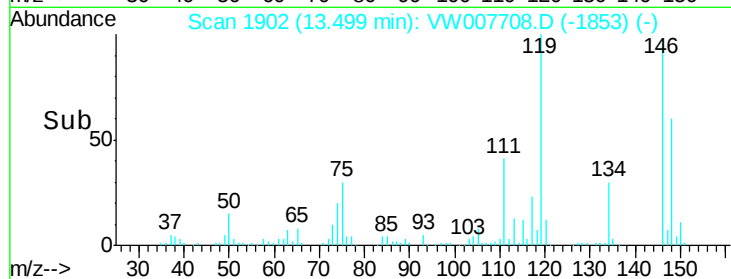
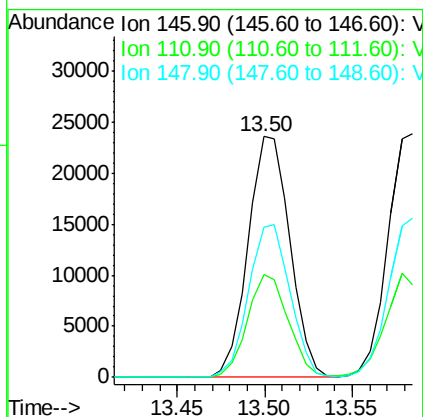
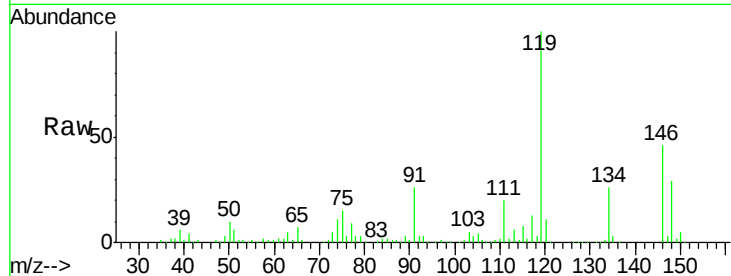




#87
 1,3-Dichlorobenzene
 Concen: 19.795 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

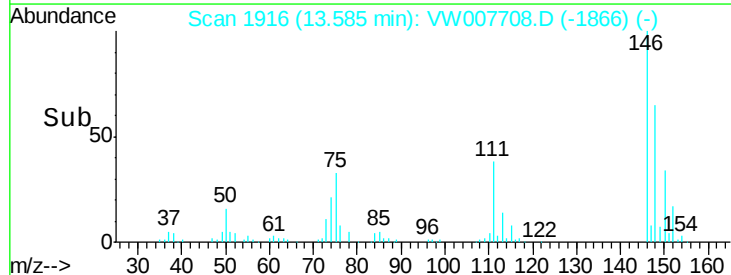
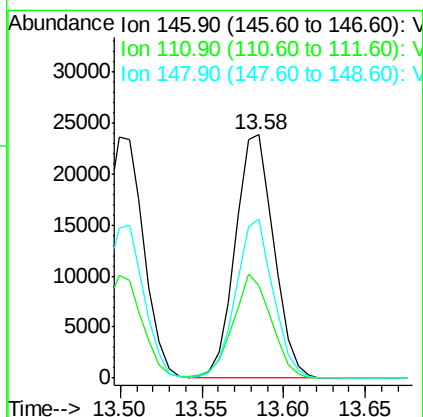
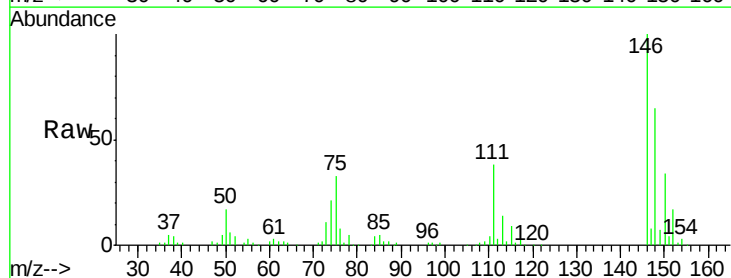
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

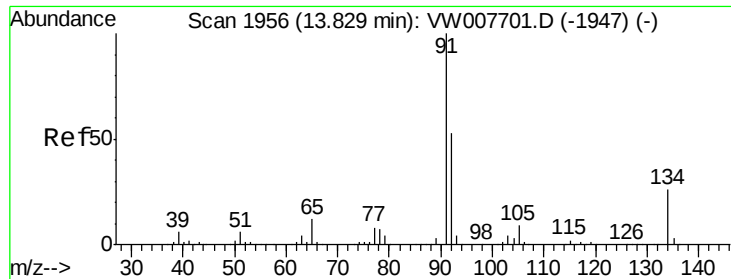
Tgt Ion:146 Resp: 39184
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 63.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.723 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion:146 Resp: 39053
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 19.241 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007708.D

Acq: 19 Dec 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW1221SBSD01

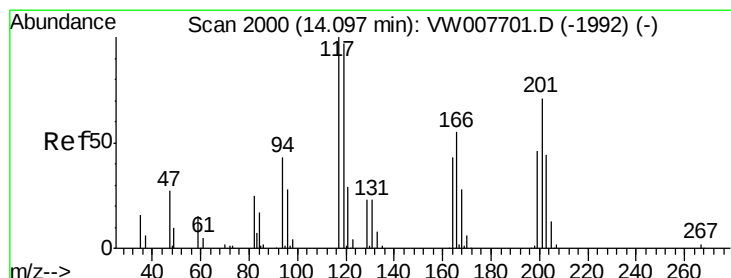
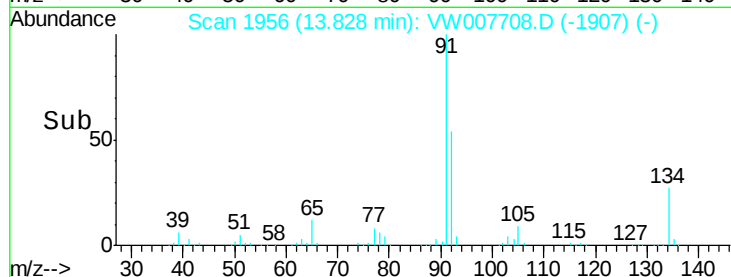
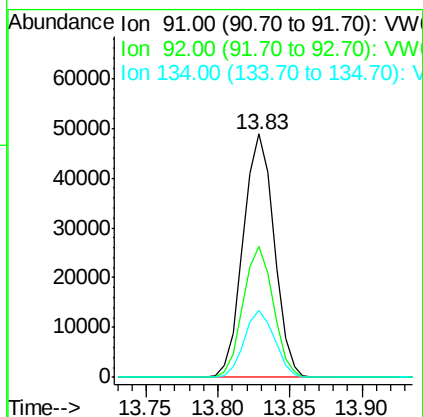
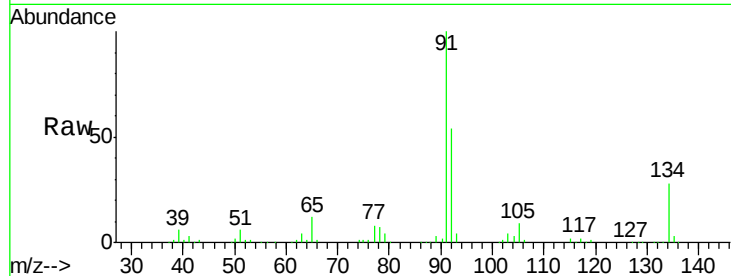
Tgt Ion: 91 Resp: 72794

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.2

134 27.1 13.7 41.0



#90

Hexachloroethane

Concen: 19.459 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007708.D

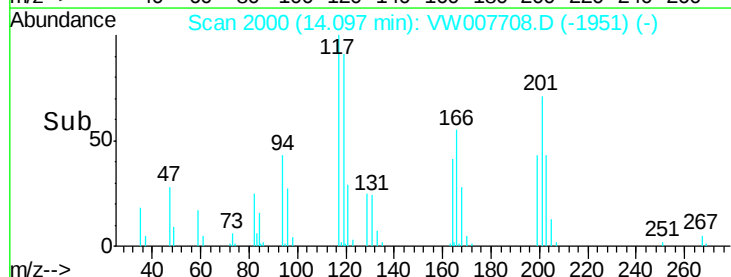
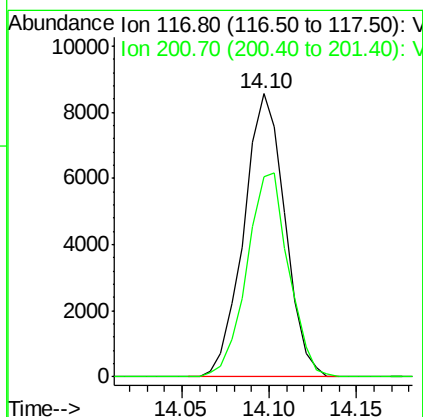
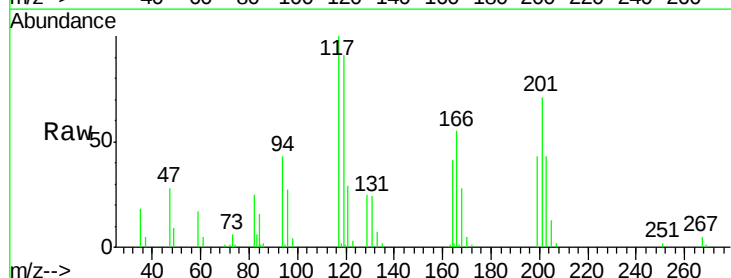
Acq: 19 Dec 2018 19:10

Tgt Ion: 117 Resp: 14096

Ion Ratio Lower Upper

117 100

201 73.2 36.2 108.6

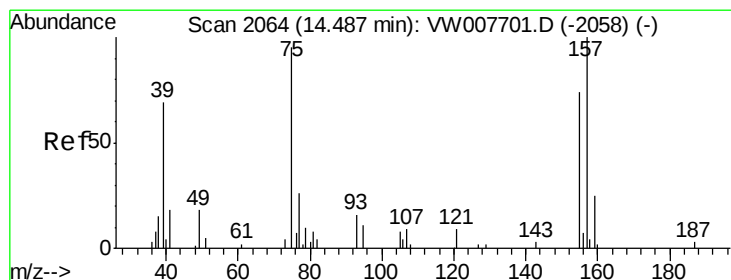
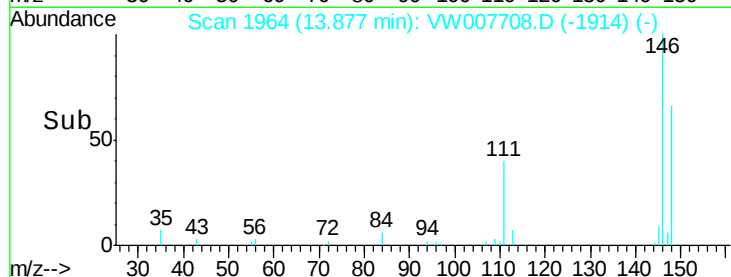
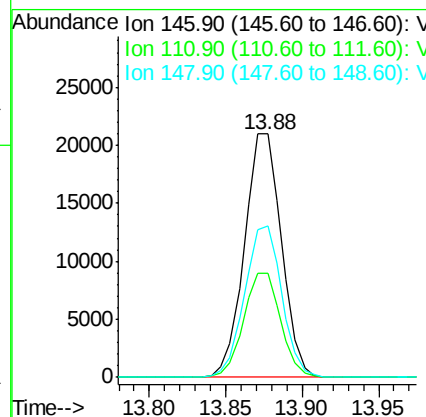
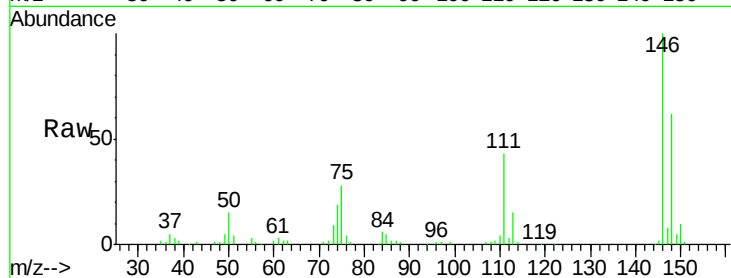




#91
 1,2-Dichlorobenzene
 Concen: 19.905 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

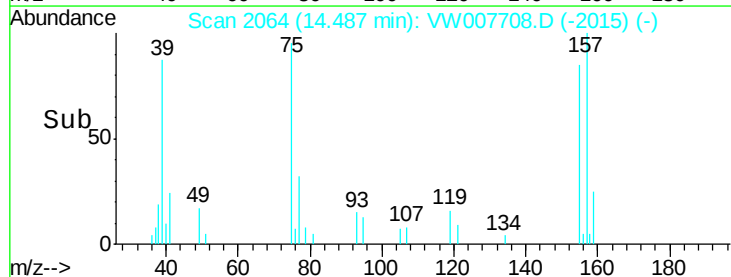
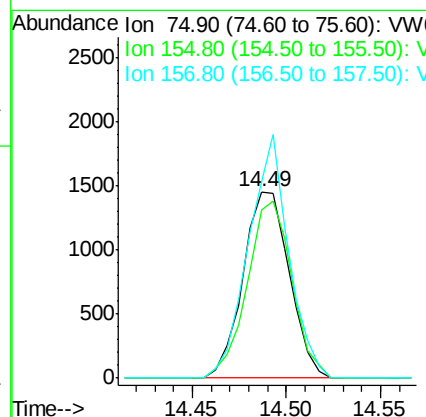
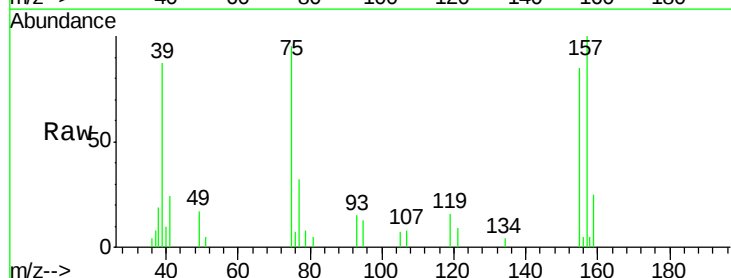
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1221SBSD01

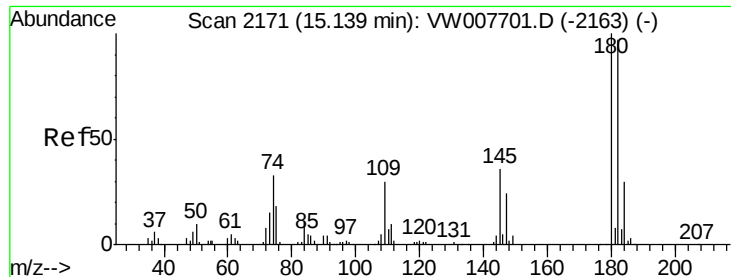
Tgt Ion: 146 Resp: 35279
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.7 65.1
 148 62.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.462 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007708.D
 Acq: 19 Dec 2018 19:10

Tgt Ion: 75 Resp: 2473
 Ion Ratio Lower Upper
 75 100
 155 92.0 39.4 118.1
 157 113.4 52.0 156.0

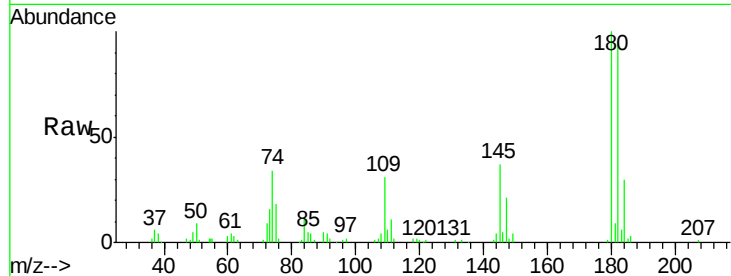




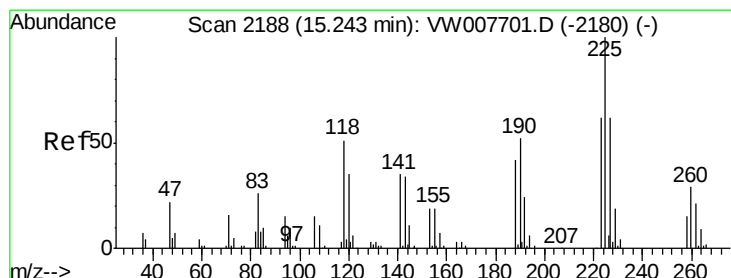
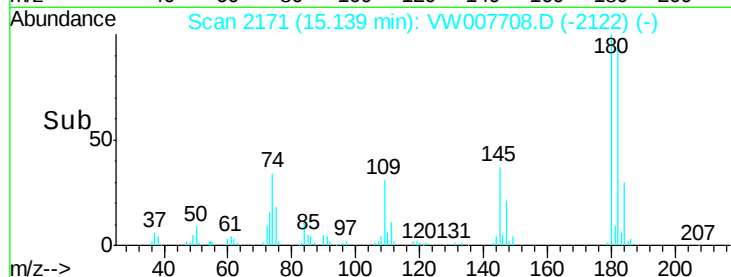
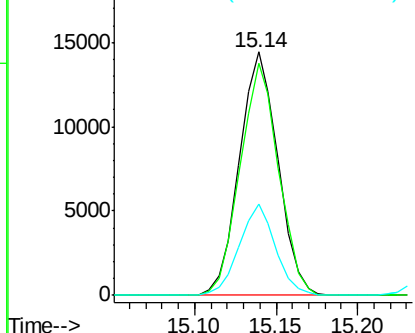
#93
1,2,4-Trichlorobenzene
Concen: 19.227 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	35.2	17.5	52.5

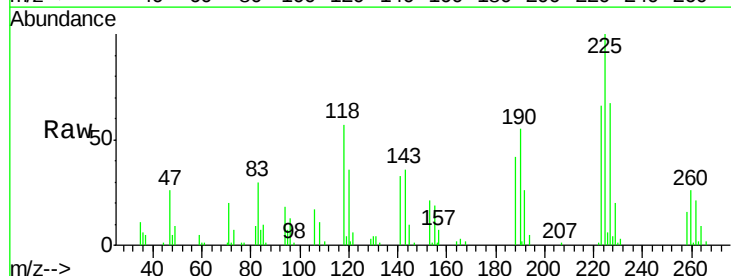


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

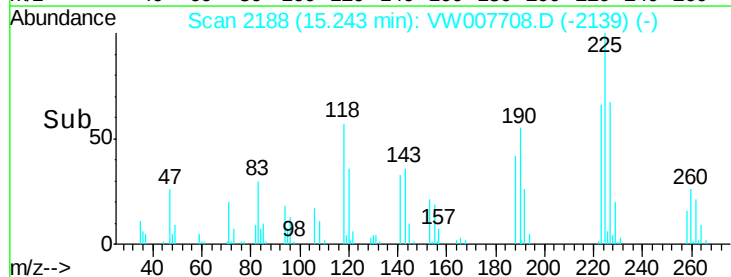
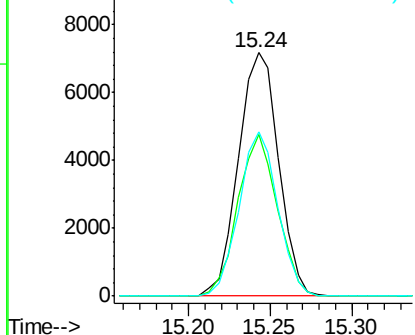


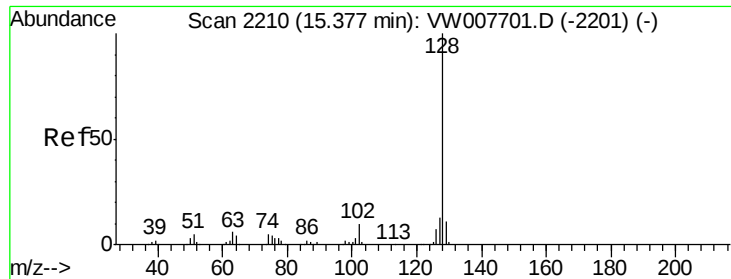
#94
Hexachlorobutadiene
Concen: 18.760 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.6	94.8
227	64.7	32.1	96.3



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

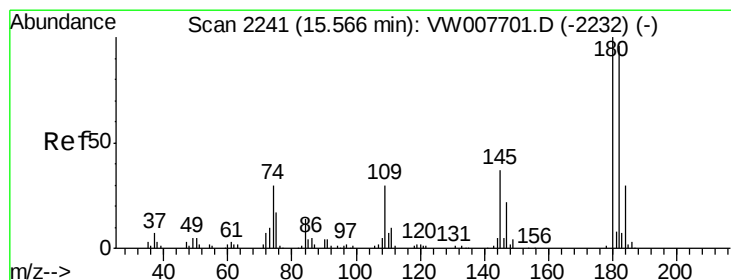
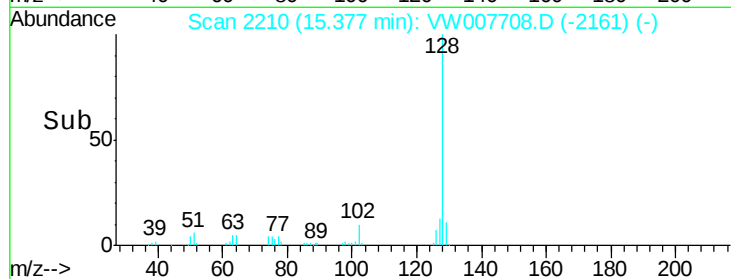
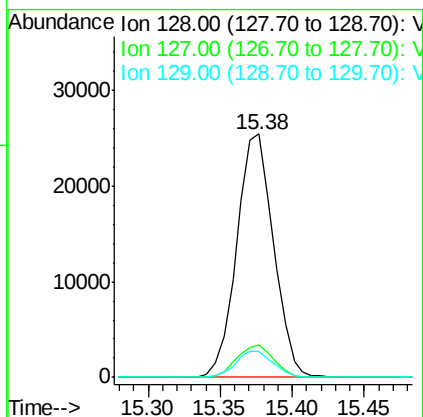
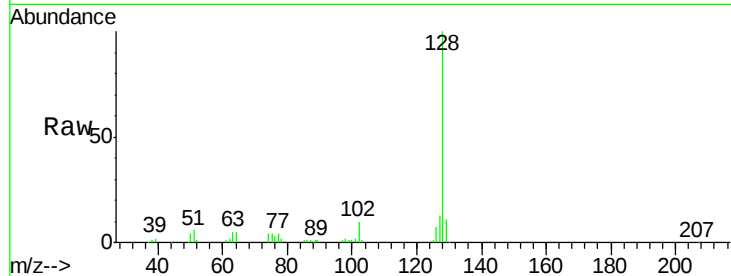




#95
Naphthalene
Concen: 19.809 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW1221SBS01

Tgt Ion:128 Resp: 45056
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: 19.545 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007708.D
Acq: 19 Dec 2018 19:10

Tgt Ion:180 Resp: 20583
Ion Ratio Lower Upper
180 100
182 91.7 47.4 142.2
145 36.8 18.4 55.0

