

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007799.D
 Acq On : 21 Dec 2018 17:12
 Operator : SY/AP
 Sample : VW1223SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:48:39 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	83634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	133989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42387	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	7.88	113	39620	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.32	98	155728	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	59302	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12646	17.009	ug/l	99
3) Chloromethane	2.21	50	9209	20.171	ug/l	94
4) Vinyl Chloride	2.37	62	11916	20.504	ug/l	97
5) Bromomethane	2.78	94	7692	19.003	ug/l	95
6) Chloroethane	2.92	64	6356	20.443	ug/l	96
7) Trichlorofluoromethane	3.24	101	8113	13.409	ug/l	98
8) Diethyl Ether	3.67	74	7651	20.645	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	16240	18.225	ug/l	98
10) Methyl Iodide	4.27	142	25184	17.772	ug/l	96
11) Tert butyl alcohol	5.17	59	5953	96.270	ug/l #	73
12) 1,1-Dichloroethene	4.03	96	15839	19.195	ug/l	94
13) Acrolein	3.88	56	4229	85.535	ug/l	100
14) Allyl chloride	4.65	41	21473	19.844	ug/l	95
15) Acrylonitrile	5.36	53	15533	98.257	ug/l	99
16) Acetone	4.12	43	16428	95.704	ug/l	97
17) Carbon Disulfide	4.37	76	42027	16.459	ug/l	99
18) Methyl Acetate	4.66	43	8252	20.214	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	24144	20.381	ug/l	98
20) Methylene Chloride	4.90	84	17187	15.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	17047	18.784	ug/l	97
22) Diisopropyl ether	6.31	45	42157	20.807	ug/l	98
23) Vinyl Acetate	6.25	43	121149	100.640	ug/l	96
24) 1,1-Dichloroethane	6.21	63	28877	19.373	ug/l	99
25) 2-Butanone	7.17	43	19866	98.807	ug/l	96
26) 2,2-Dichloropropane	7.17	77	20480	18.776	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18461	19.094	ug/l	97
28) Bromochloromethane	7.51	49	10466	20.594	ug/l	96
29) Tetrahydrofuran	7.53	42	12588	104.963	ug/l	96
30) Chloroform	7.67	83	31350	18.585	ug/l	95
31) Cyclohexane	7.95	56	27090	19.852	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	27486	17.891	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25220	19.502	ug/l	100
37) Ethyl Acetate	7.25	43	8781	19.675	ug/l	97
38) Carbon Tetrachloride	8.06	117	24951	16.382	ug/l	95

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Quant Time: Dec 21 23:48:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31889	19.844	ug/l	94
40) Benzene	8.32	78	67500	19.560	ug/l	99
41) Methacrylonitrile	7.48	41	5392	21.279	ug/l	93
42) 1,2-Dichloroethane	8.40	62	21274	18.395	ug/l	99
43) Isopropyl Acetate	8.43	43	18309	20.476	ug/l	97
44) Trichloroethene	9.09	130	19448	18.635	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15669	20.463	ug/l	100
46) Dibromomethane	9.46	93	8608	18.262	ug/l	97
47) Bromodichloromethane	9.64	83	21228	17.131	ug/l	96
48) Methyl methacrylate	9.43	41	9005	20.176	ug/l	96
49) 1,4-Dioxane	9.45	88	2917	390.322	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	42126	99.687	ug/l	98
52) Toluene	10.38	92	46667	20.155	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	23007	18.666	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26382	19.378	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	12582	19.362	ug/l	97
56) Ethyl methacrylate	10.65	69	15551	20.255	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21259	19.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	41749	119.099	ug/l	98
59) 2-Hexanone	10.97	43	30425	102.376	ug/l	98
60) Dibromochloromethane	11.13	129	14052	16.332	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12240	18.600	ug/l	99
64) Tetrachloroethene	10.86	164	16066	19.023	ug/l	98
65) Chlorobenzene	11.66	112	50616	19.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17076	18.513	ug/l	98
67) Ethyl Benzene	11.73	91	90440	20.417	ug/l	96
68) m/p-Xylenes	11.84	106	69650	40.533	ug/l	96
69) o-Xylene	12.17	106	33322	20.687	ug/l	98
70) Styrene	12.18	104	53367	20.156	ug/l	99
71) Bromoform	12.35	173	7590	15.851	ug/l #	97
73) Isopropylbenzene	12.47	105	93358	20.551	ug/l	98
74) N-amyl acetate	12.27	43	16622	21.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13445	19.740	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18807	40.489	ug/l #	100
77) Bromobenzene	12.75	156	20606	19.793	ug/l	97
78) n-propylbenzene	12.80	91	108752	20.566	ug/l	100
79) 2-Chlorotoluene	12.90	91	63103	20.485	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	81536	20.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4180	18.890	ug/l	98
82) 4-Chlorotoluene	12.99	91	66931	20.406	ug/l	99
83) tert-Butylbenzene	13.21	119	71754	20.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	84298	21.320	ug/l	98
85) sec-Butylbenzene	13.39	105	98822	20.856	ug/l	99
86) p-Isopropyltoluene	13.50	119	90649	21.039	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	41196	19.930	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41100	19.878	ug/l	99
89) n-Butylbenzene	13.83	91	83596	21.161	ug/l	99
90) Hexachloroethane	14.10	117	12554	16.597	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	36673	19.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2347	16.779	ug/l	93

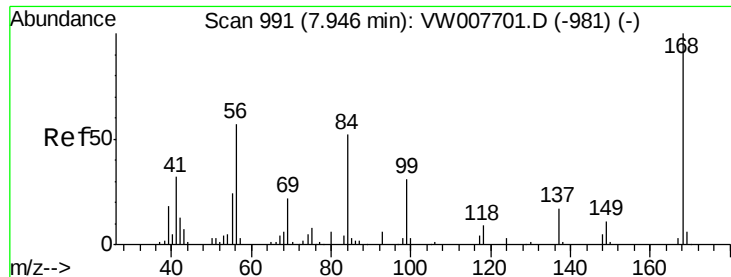
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26841	20.894	ug/l	96
94) Hexachlorobutadiene	15.24	225	14375	20.938	ug/l	98
95) Naphthalene	15.38	128	52067	21.922	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	22407	20.376	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: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

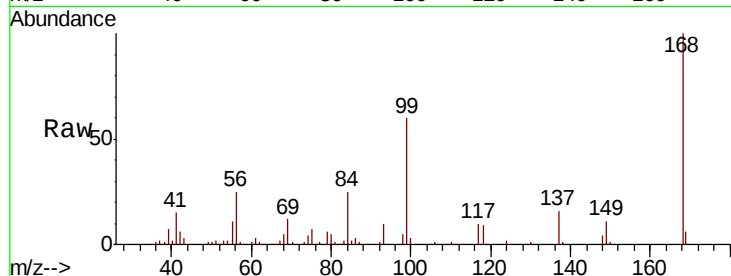
ClientSampleId :

Tot Ion:168 Resp: 83634

Ion Ratio Lower Upper

168 100

99 60.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

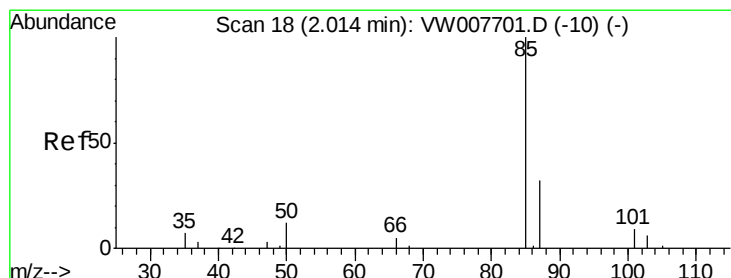
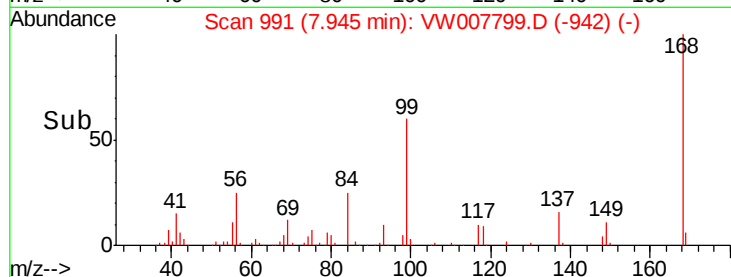
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.009 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007799.D

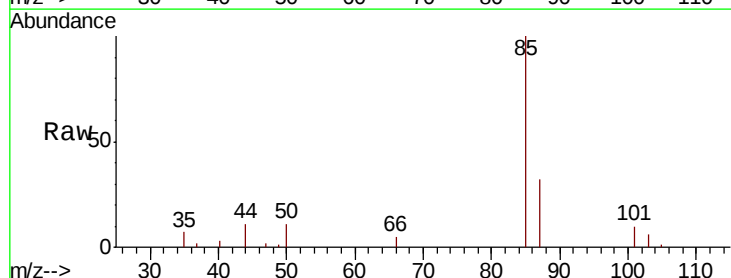
Acq: 21 Dec 2018 17:12

Tgt Ion: 85 Resp: 12646

Ion Ratio Lower Upper

85 100

87 32.0 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

5000

4000

3000

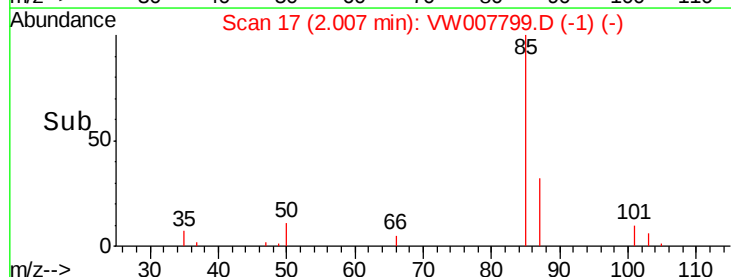
2000

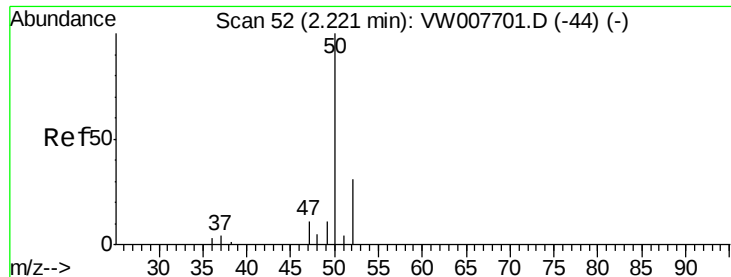
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.171 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

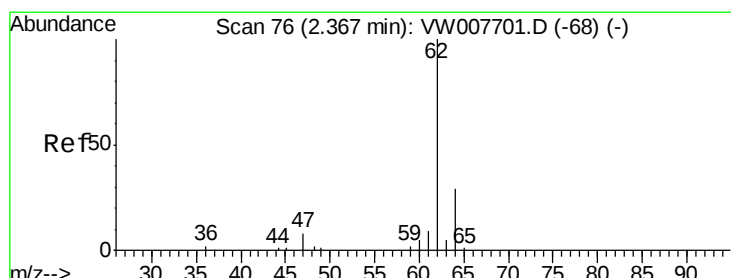
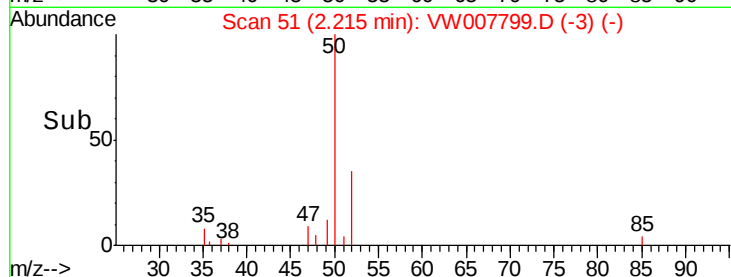
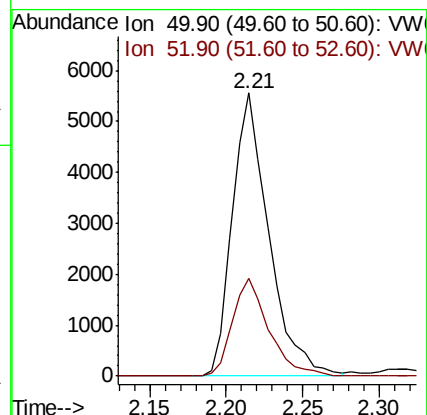
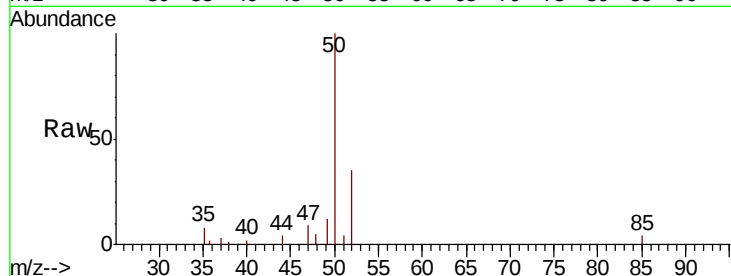
ClientSampleId :

Tot Ion: 50 Resp: 9209

Ion Ratio Lower Upper

50 100

52 34.5 25.1 37.7



#4

Vinyl Chloride

Concen: 20.504 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007799.D

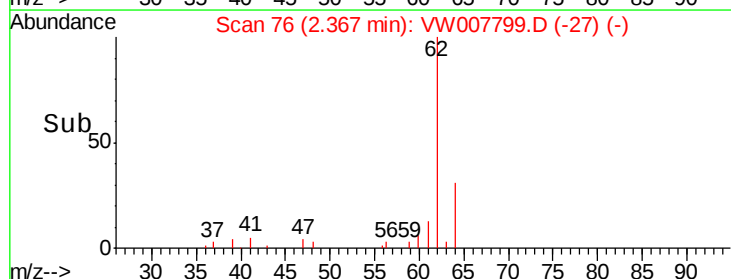
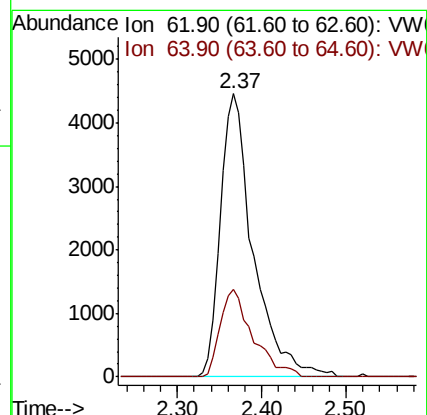
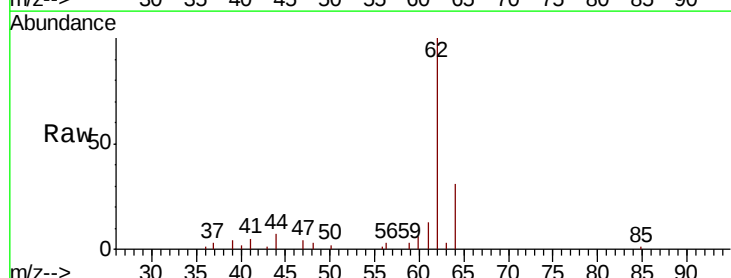
Acq: 21 Dec 2018 17:12

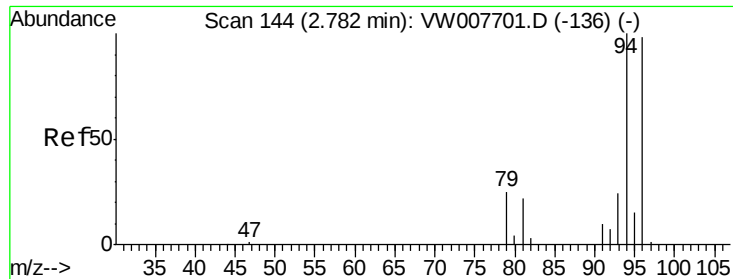
Tgt Ion: 62 Resp: 11916

Ion Ratio Lower Upper

62 100

64 31.1 23.4 35.0





#5

Bromomethane

Concen: 19.003 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

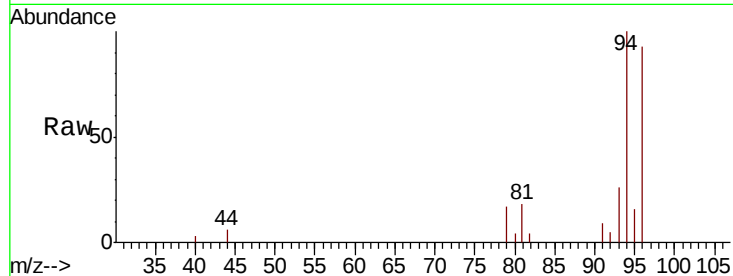
ClientSampleId :

Tot Ion: 94 Resp: 7692

Ion Ratio Lower Upper

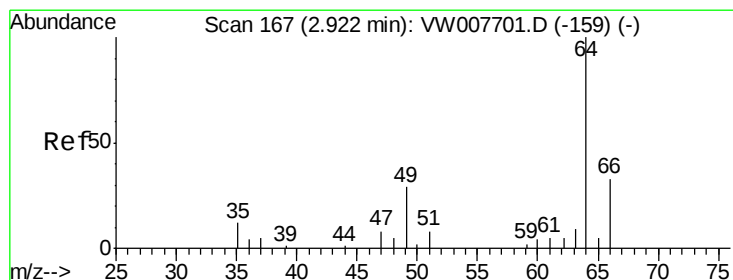
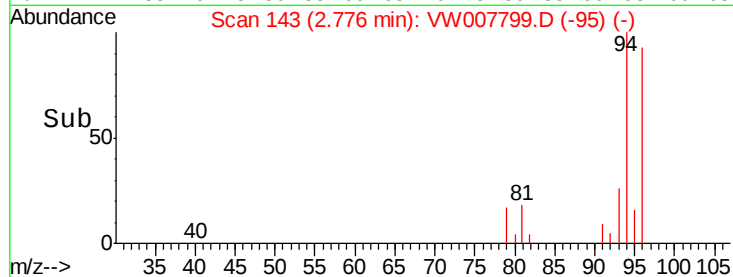
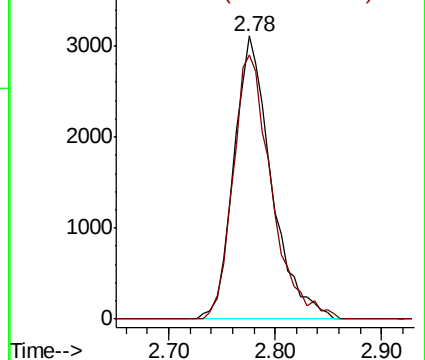
94 100

96 93.2 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: 20.443 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007799.D

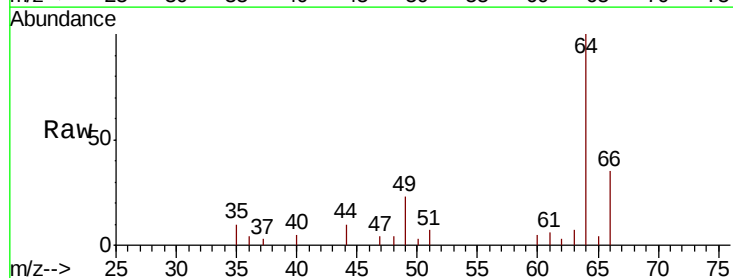
Acq: 21 Dec 2018 17:12

Tgt Ion: 64 Resp: 6356

Ion Ratio Lower Upper

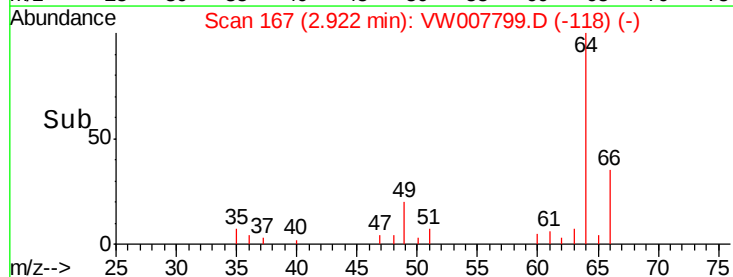
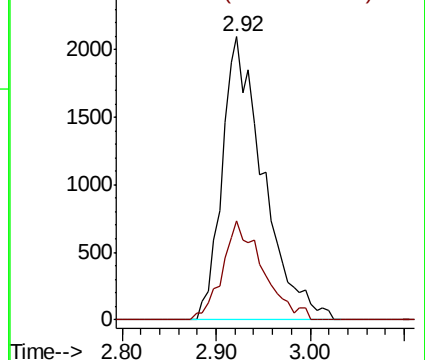
64 100

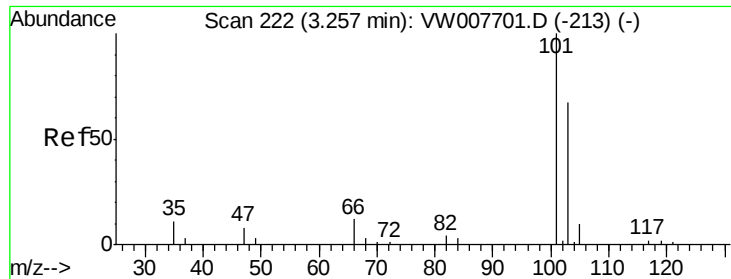
66 34.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



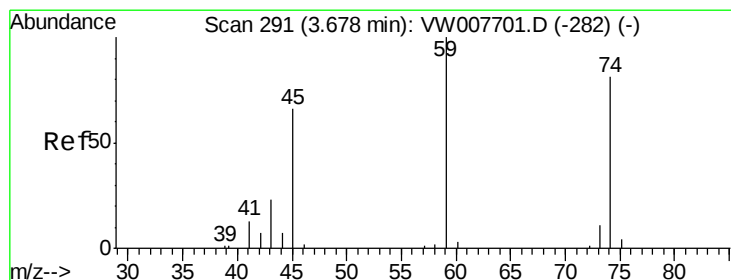
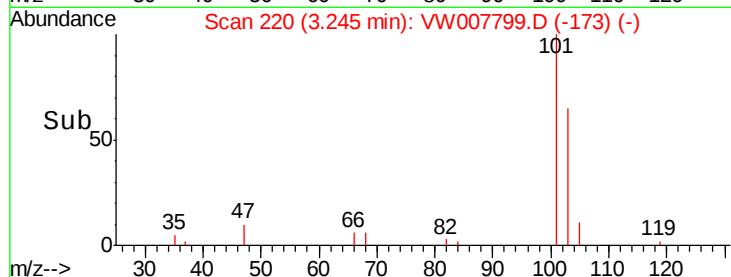
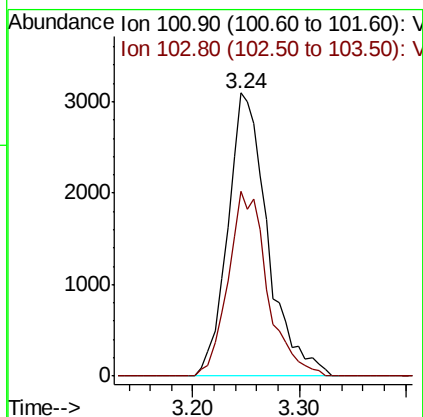
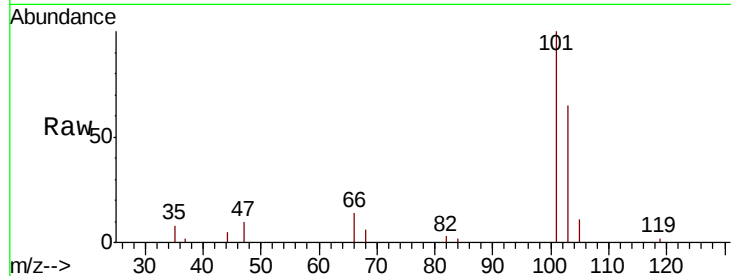


#7

Trichlorofluoromethane
 Concen: 13.409 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :

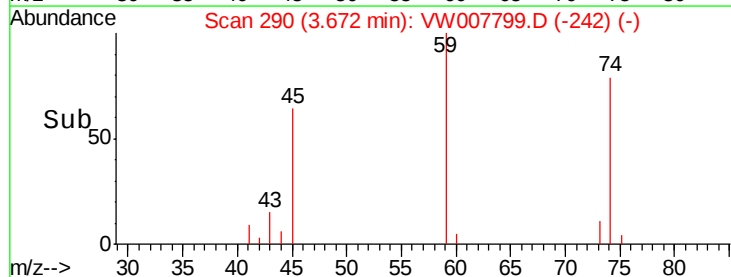
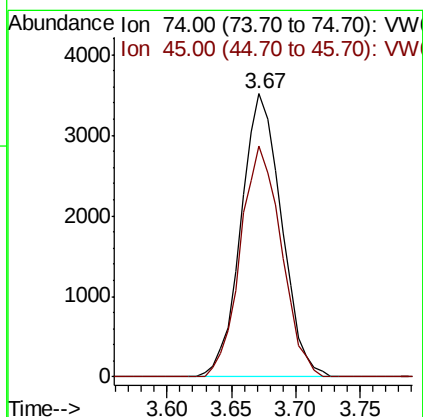
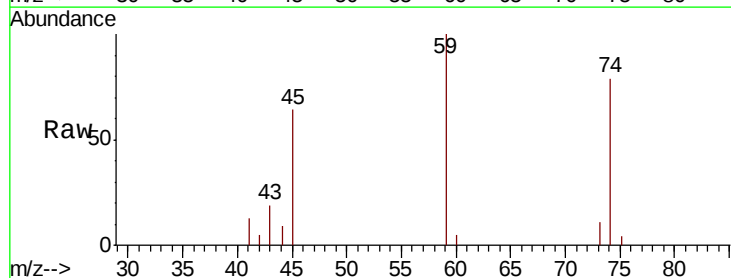
Tot Ion:101 Resp: 8113
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.4 80.2

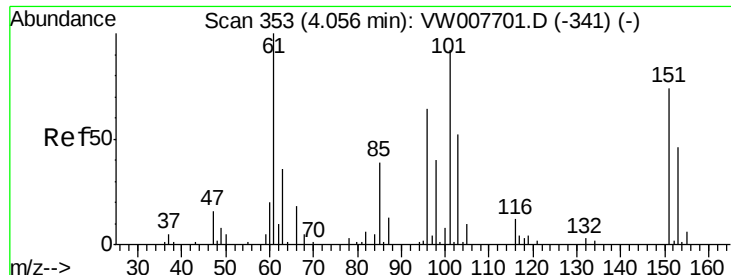


#8

Diethyl Ether
 Concen: 20.645 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 74 Resp: 7651
 Ion Ratio Lower Upper
 74 100
 45 82.1 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.225 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

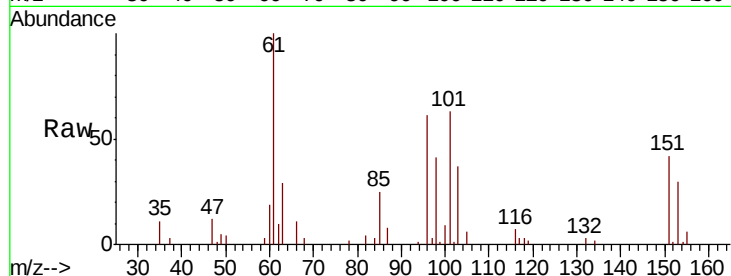
Tot Ion:101 Resp: 16240

Ion Ratio Lower Upper

101 100

85 40.5 34.3 51.5

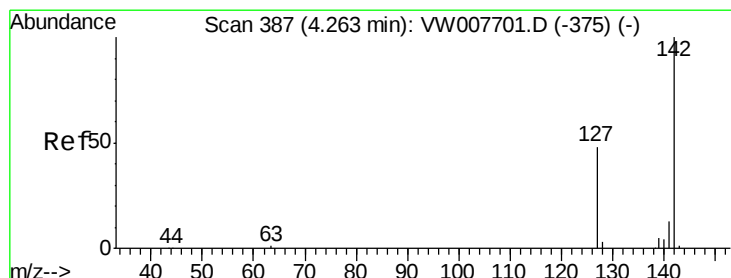
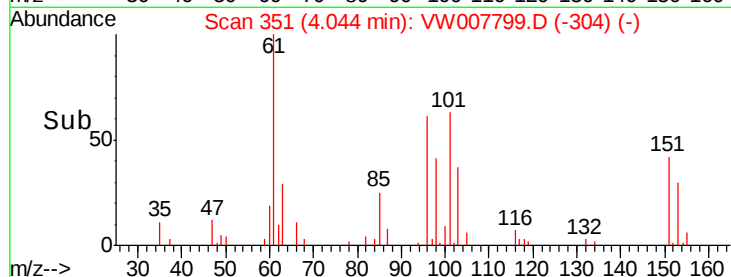
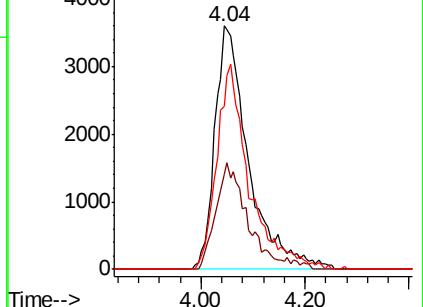
151 81.1 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.772 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

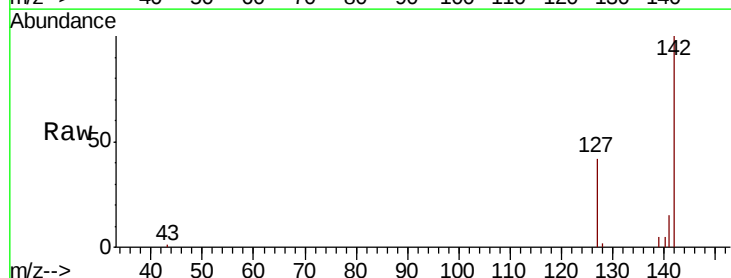
Tgt Ion:142 Resp: 25184

Ion Ratio Lower Upper

142 100

127 43.7 37.7 56.5

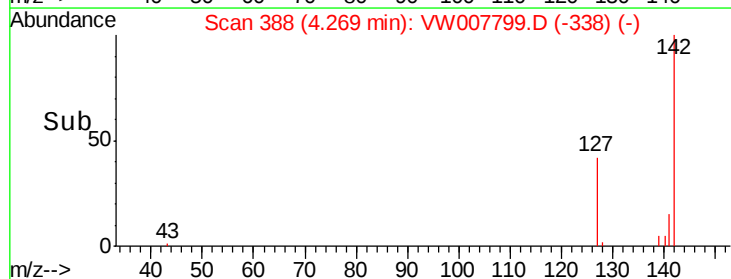
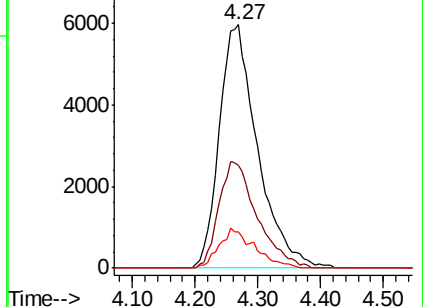
141 15.2 11.5 17.3

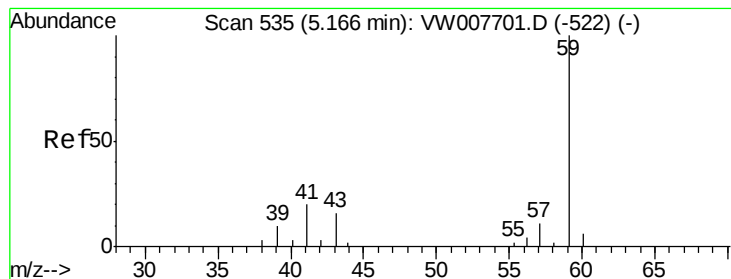


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



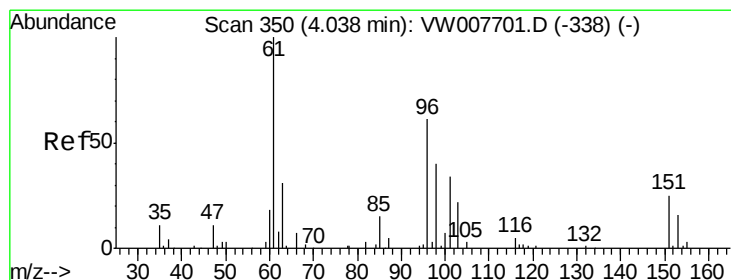
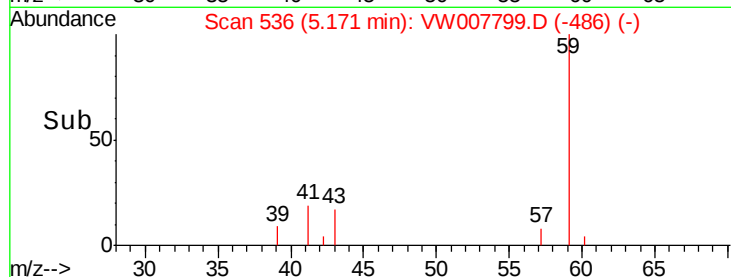
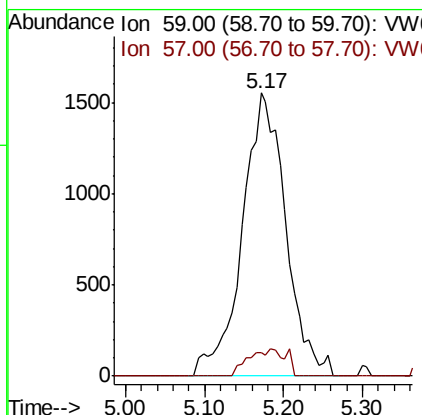
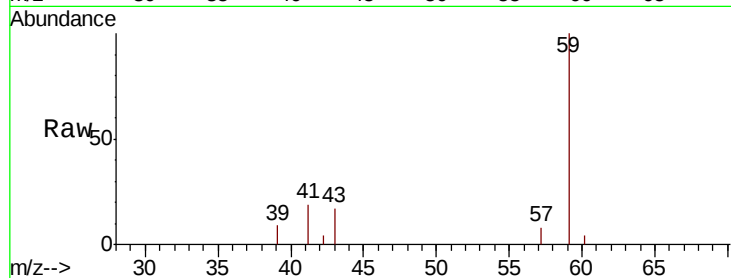


#11

Tert butyl alcohol
 Concen: 96.270 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :

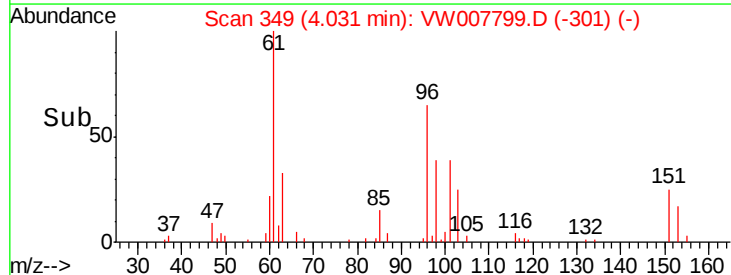
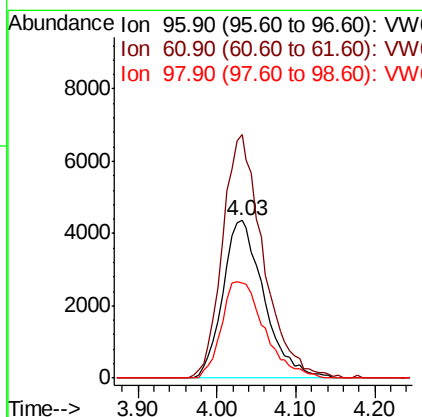
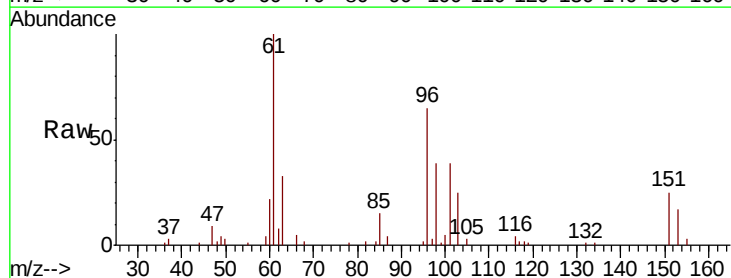
Tot Ion: 59 Resp: 5953
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

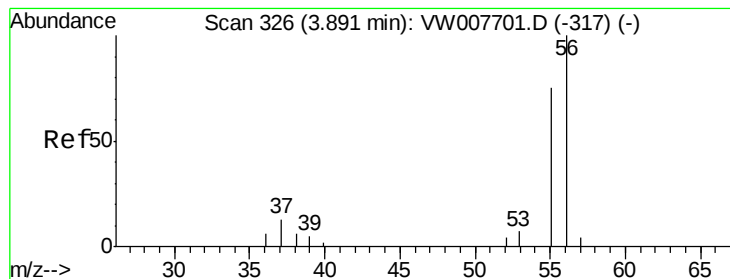


#12

1,1-Dichloroethene
 Concen: 19.195 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 96 Resp: 15839
 Ion Ratio Lower Upper
 96 100
 61 154.8 130.6 195.8
 98 60.6 52.3 78.5





#13

Acrolein

Concen: 85.535 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

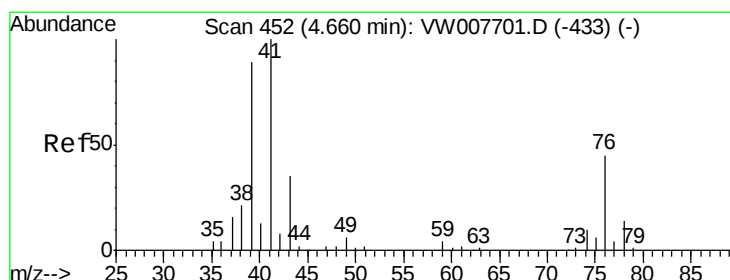
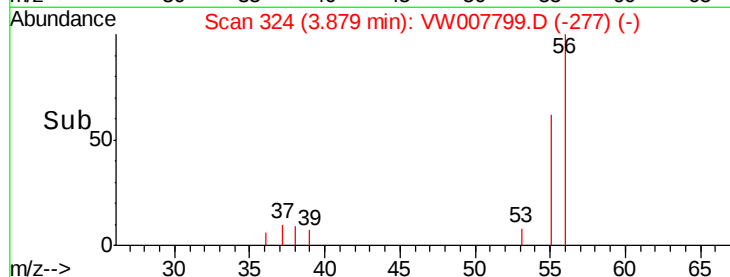
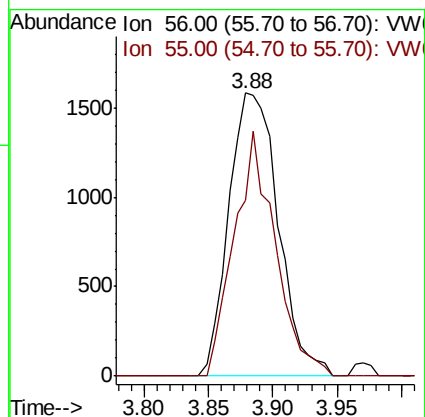
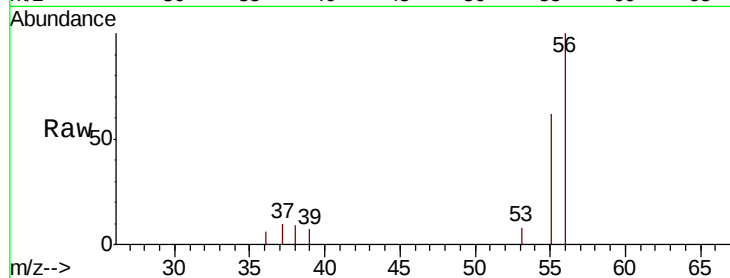
ClientSampleId :

Tot Ion: 56 Resp: 4229

Ion Ratio Lower Upper

56 100

55 72.0 57.7 86.5



#14

Allyl chloride

Concen: 19.844 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

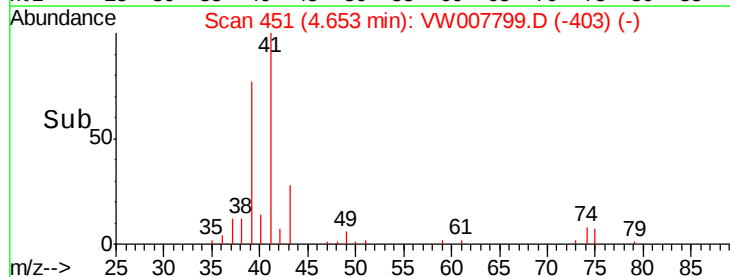
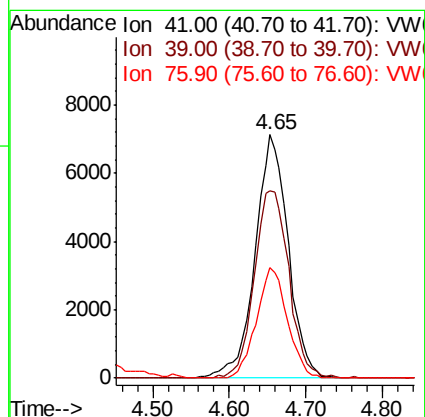
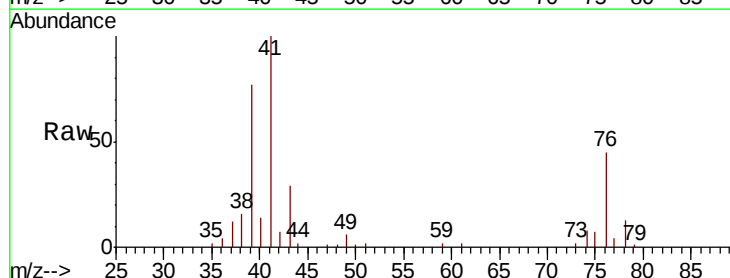
Tgt Ion: 41 Resp: 21473

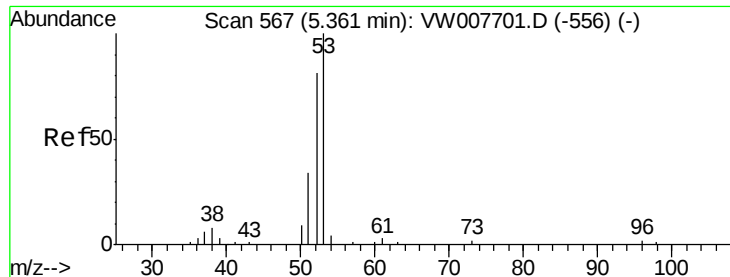
Ion Ratio Lower Upper

41 100

39 80.3 69.5 104.3

76 42.3 34.8 52.2





#15

Acrylonitrile

Concen: 98.257 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

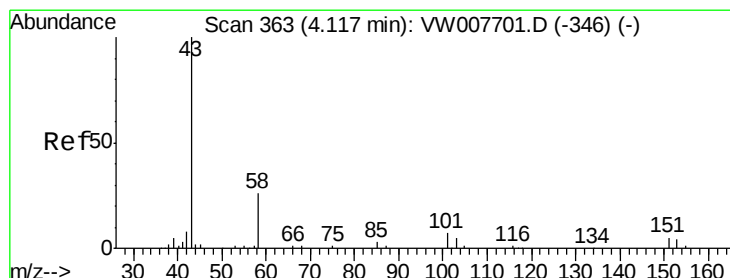
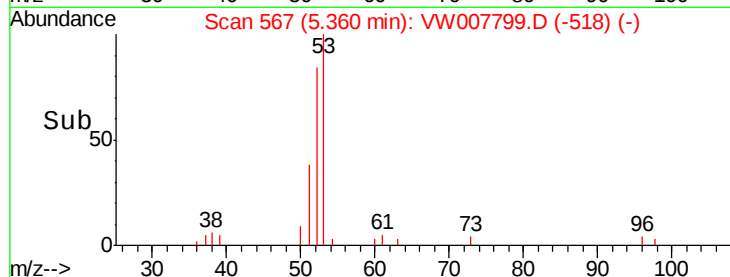
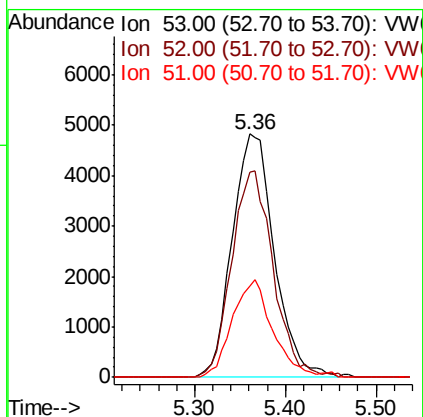
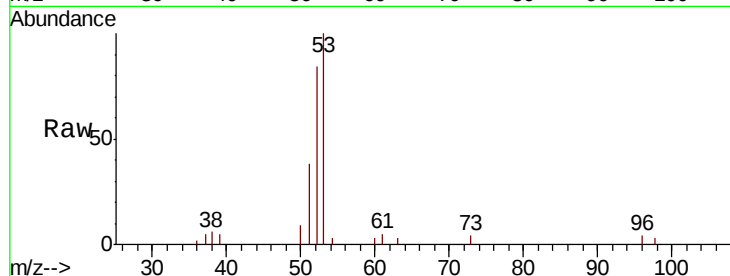
Tot Ion: 53 Resp: 15533

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.4

51 38.8 30.2 45.2



#16

Acetone

Concen: 95.704 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007799.D

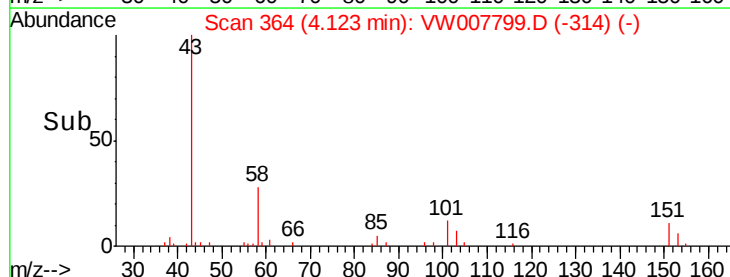
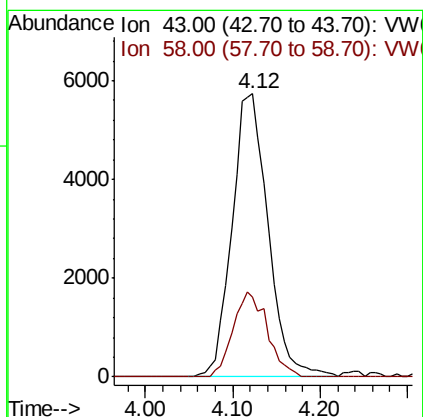
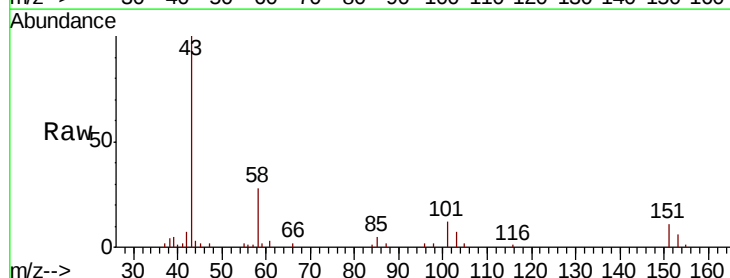
Acq: 21 Dec 2018 17:12

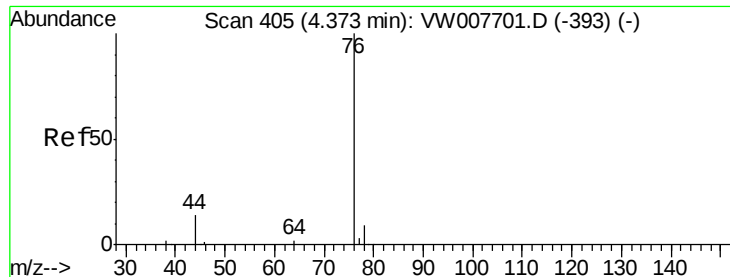
Tgt Ion: 43 Resp: 16428

Ion Ratio Lower Upper

43 100

58 28.1 21.2 31.8





#17

Carbon Disulfide

Concen: 16.459 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

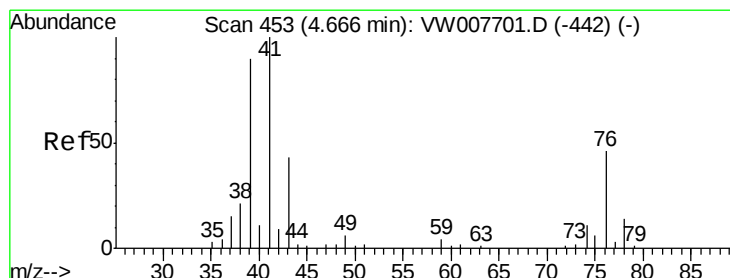
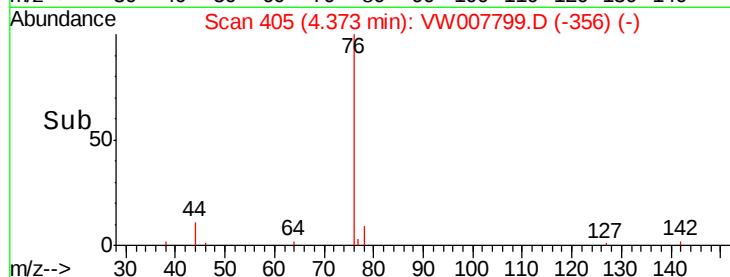
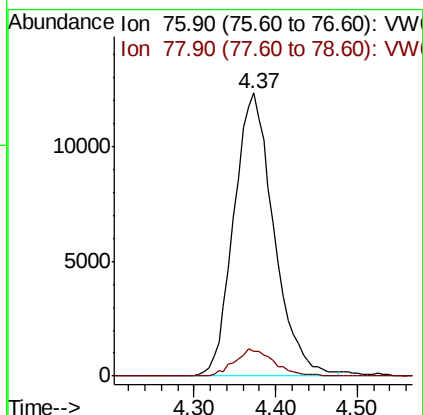
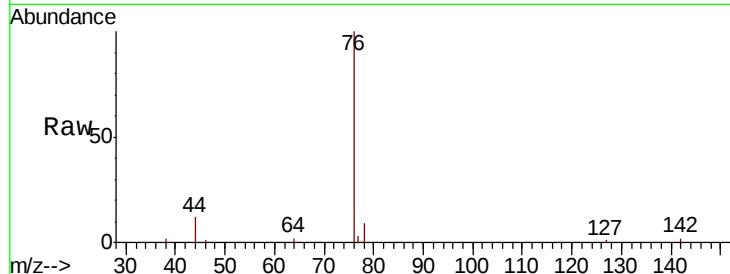
ClientSampleId :

Tot Ion: 76 Resp: 42027

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



#18

Methyl Acetate

Concen: 20.214 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW007799.D

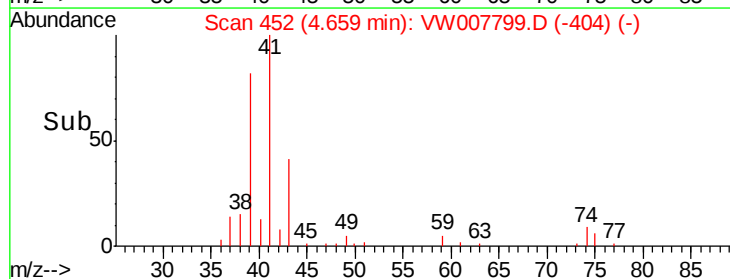
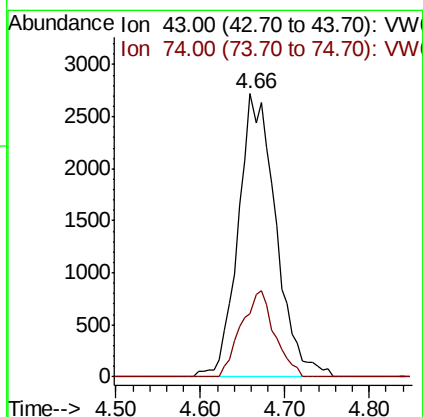
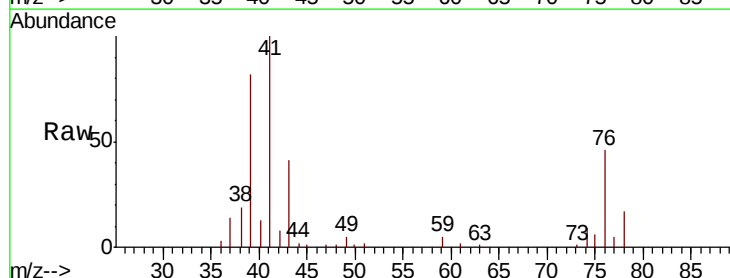
Acq: 21 Dec 2018 17:12

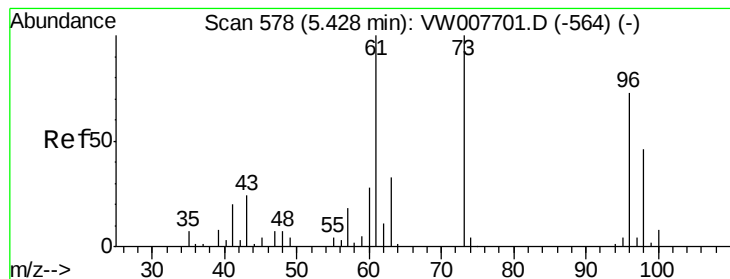
Tgt Ion: 43 Resp: 8252

Ion Ratio Lower Upper

43 100

74 26.8 22.7 34.1



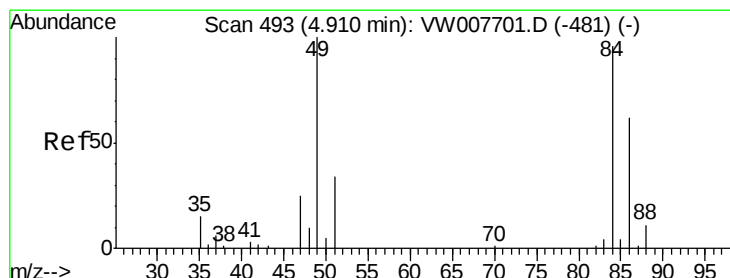
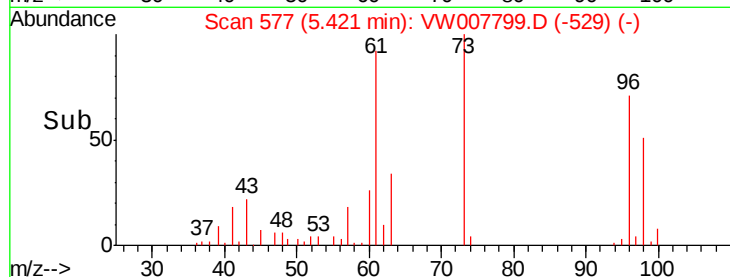
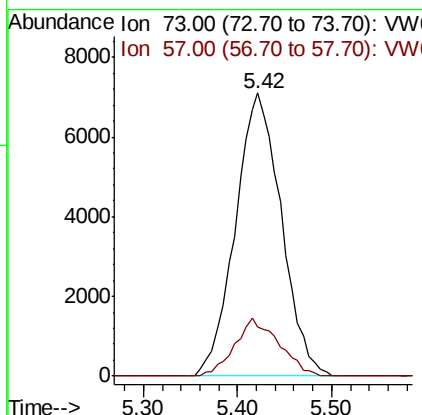
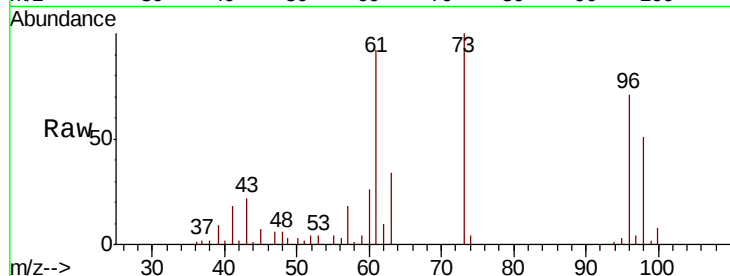


#19

Methyl tert-butyl Ether
 Concen: 20.381 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :

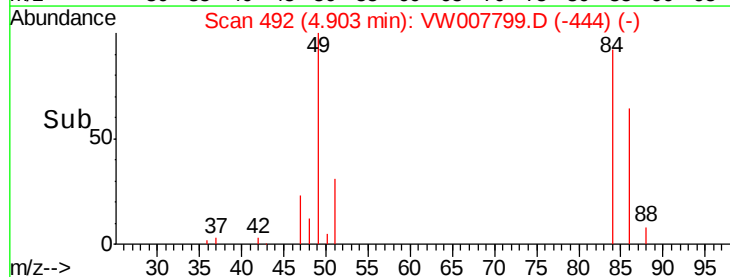
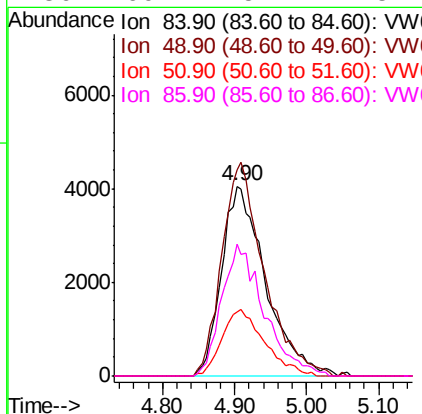
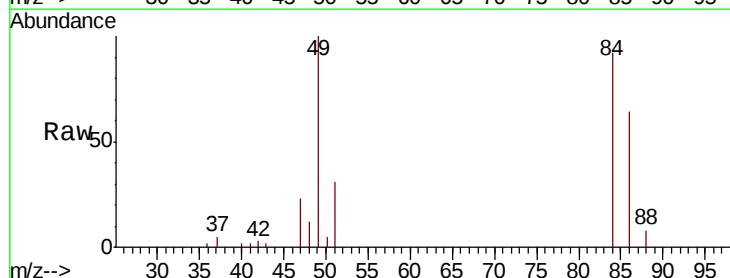
Tot Ion: 73 Resp: 24144
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.7 22.1

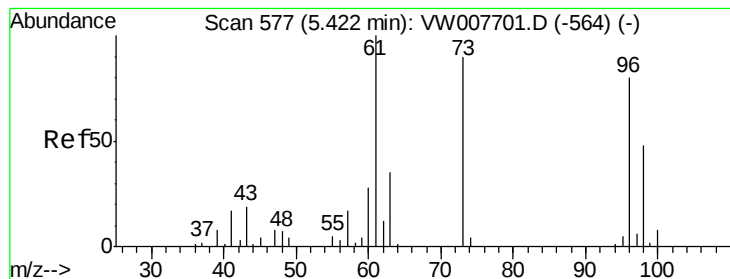


#20

Methylene Chloride
 Concen: 15.695 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 84 Resp: 17187
 Ion Ratio Lower Upper
 84 100
 49 108.3 83.7 125.5
 51 33.4 28.2 42.2
 86 69.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.784 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

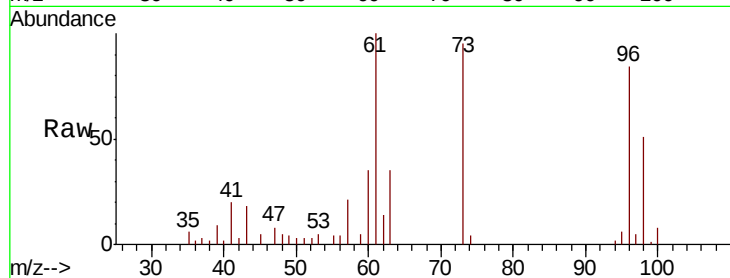
Tot Ion: 96 Resp: 17047

Ion Ratio Lower Upper

96 100

61 119.7 100.1 150.1

98 60.9 48.5 72.7

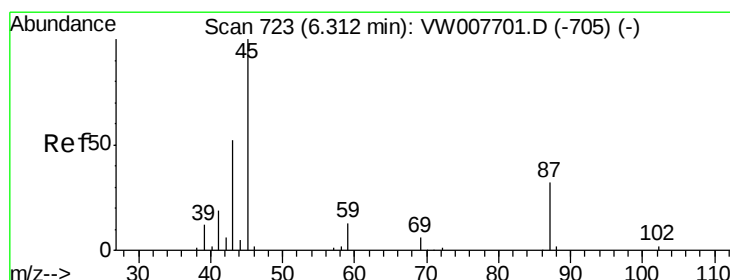
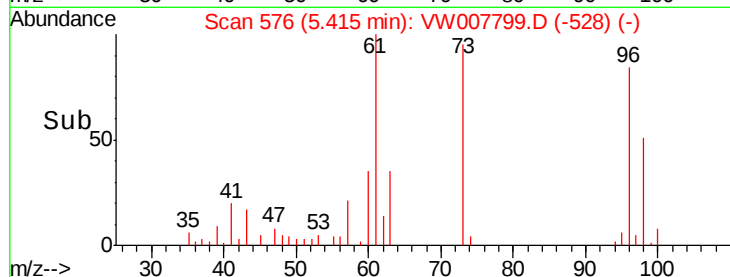
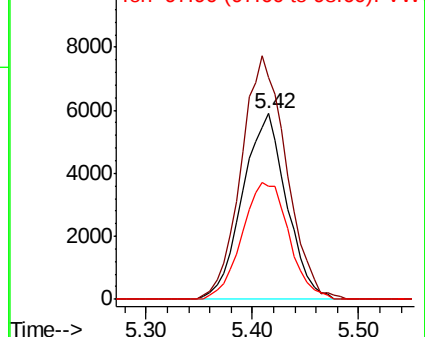


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.807 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion: 45 Resp: 42157

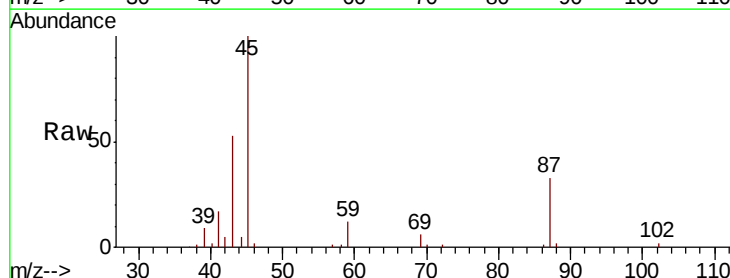
Ion Ratio Lower Upper

45 100

43 51.8 43.7 65.5

87 33.2 26.6 40.0

59 11.8 10.2 15.2



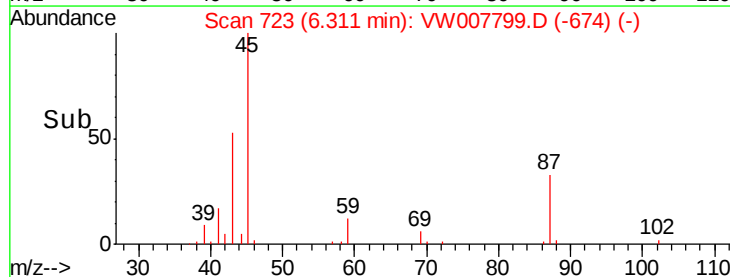
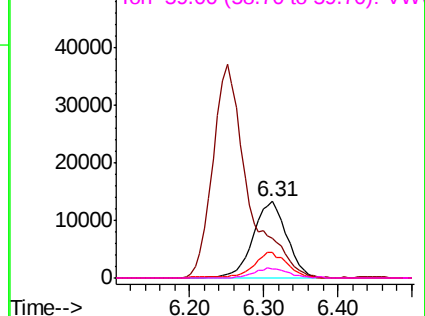
Abundance

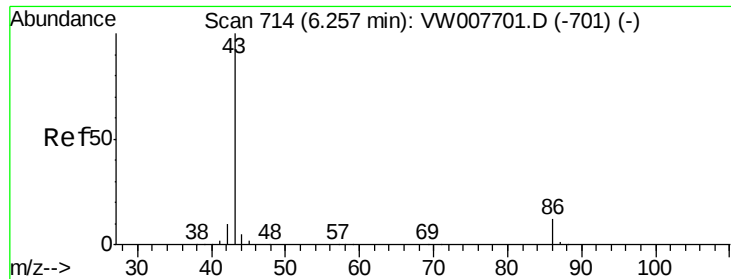
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.640 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

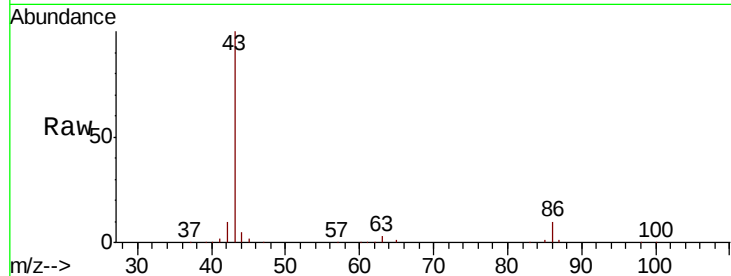
ClientSampleId :

Tot Ion: 43 Resp: 121149

Ion Ratio Lower Upper

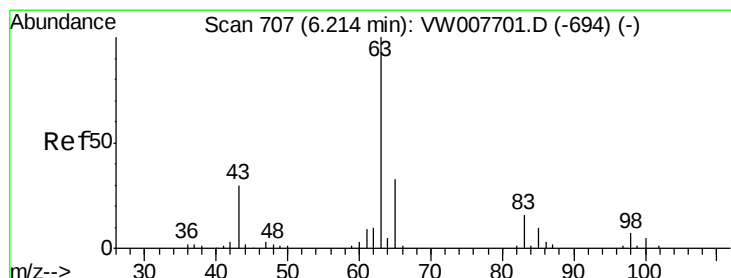
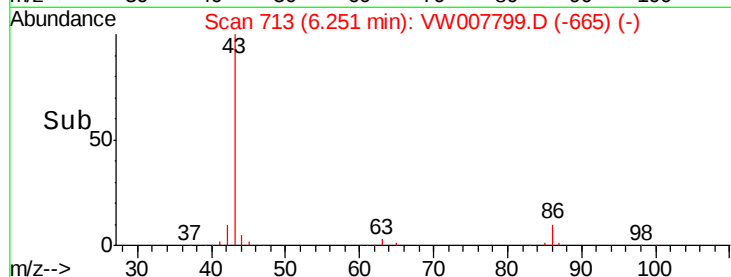
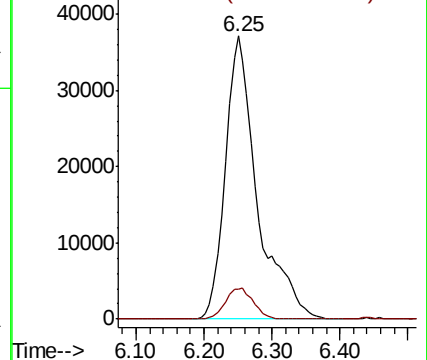
43 100

86 10.5 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: 19.373 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

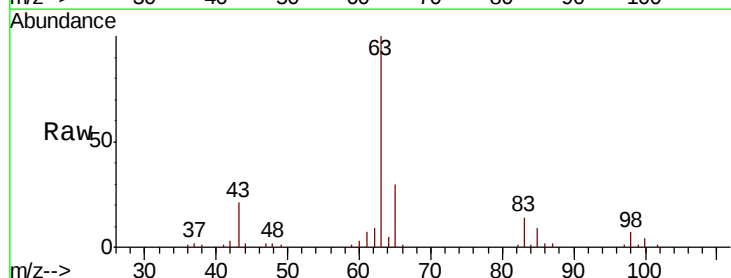
Tgt Ion: 63 Resp: 28877

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

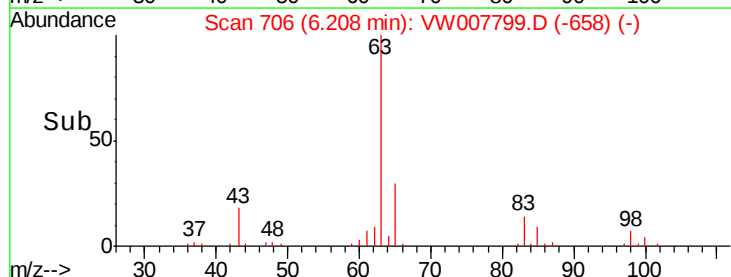
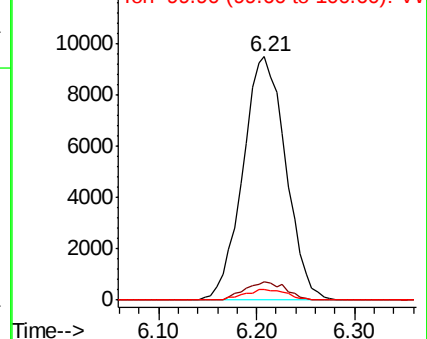
100 4.4 2.5 7.5

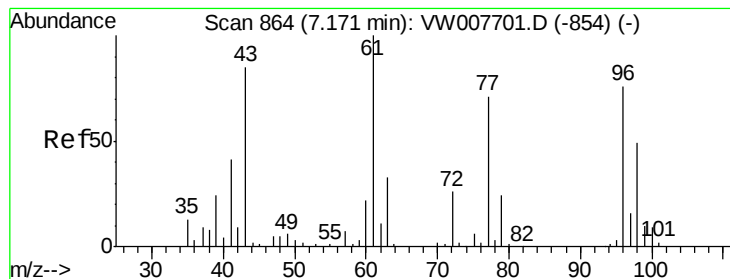


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.807 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

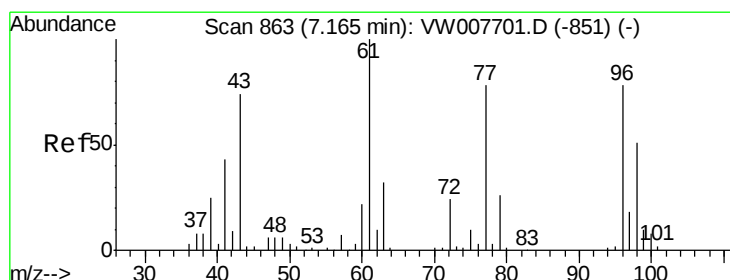
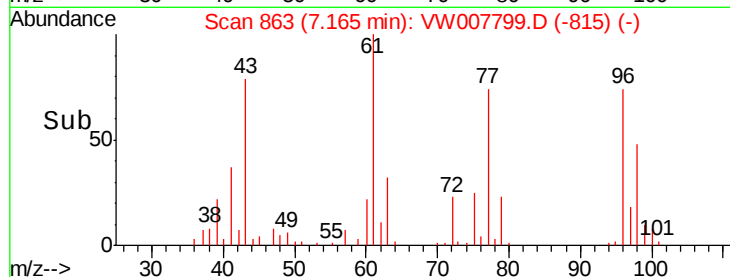
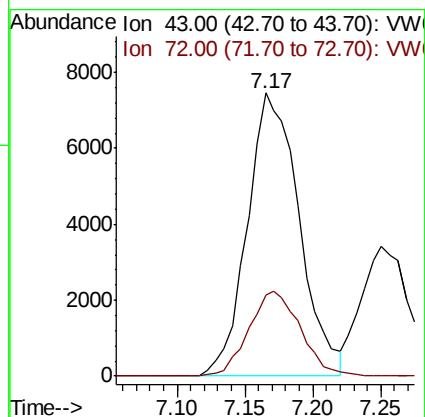
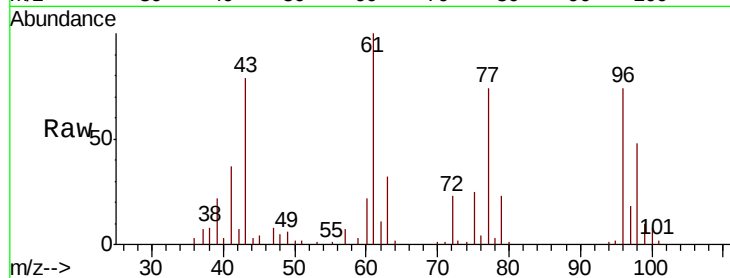
ClientSampled :

Tot Ion: 43 Resp: 19866

Ion Ratio Lower Upper

43 100

72 28.7 24.5 36.7



#26

2,2-Dichloropropane

Concen: 18.776 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007799.D

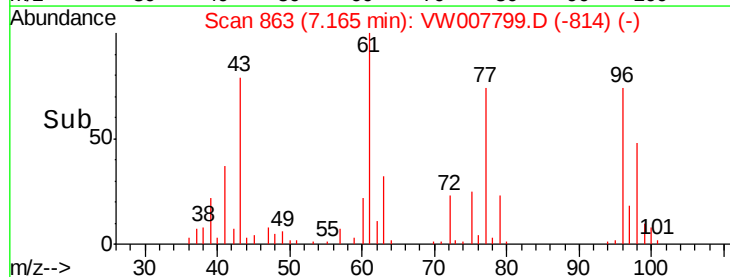
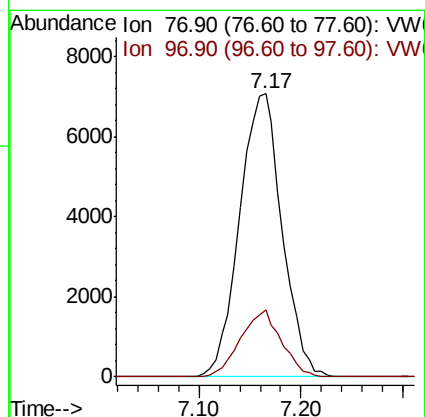
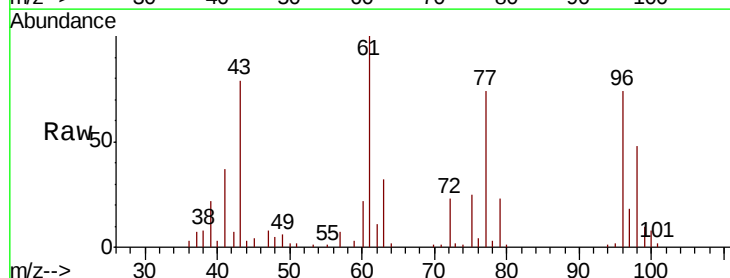
Acq: 21 Dec 2018 17:12

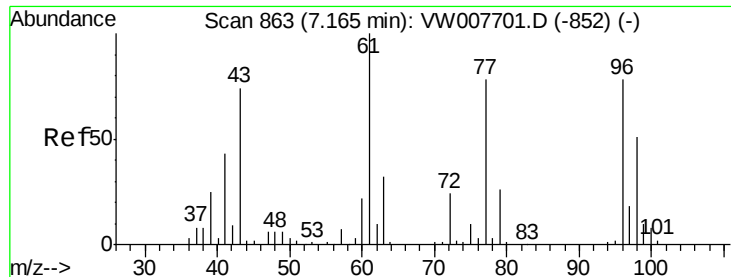
Tgt Ion: 77 Resp: 20480

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



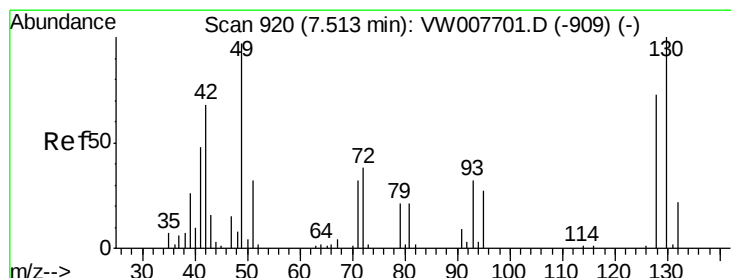
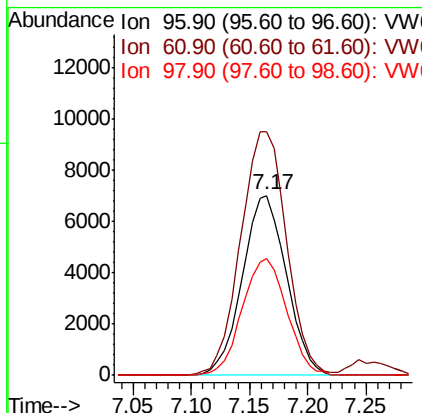
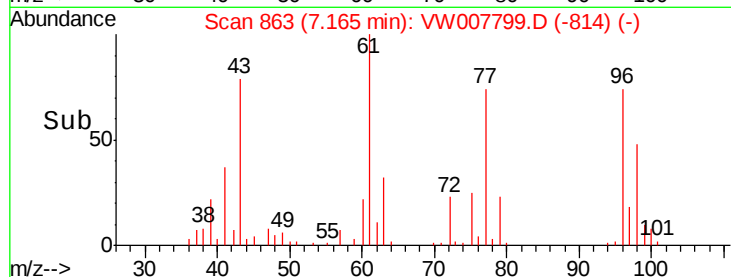
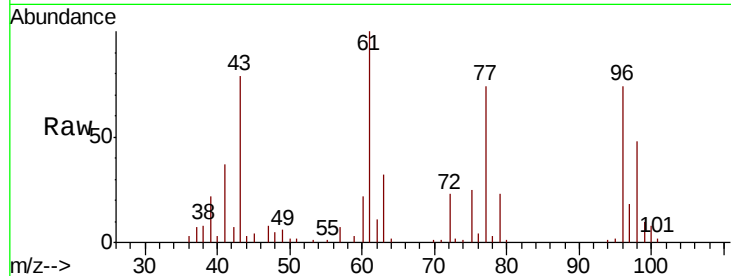


#27

cis-1,2-Dichloroethene
 Concen: 19.094 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampled :

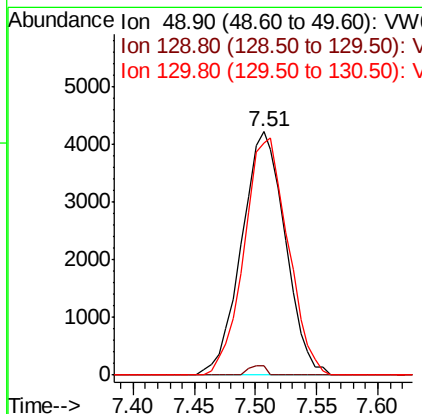
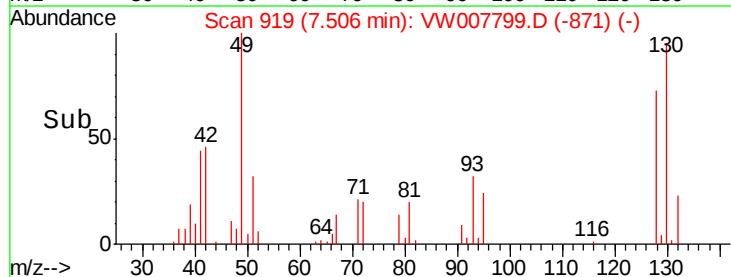
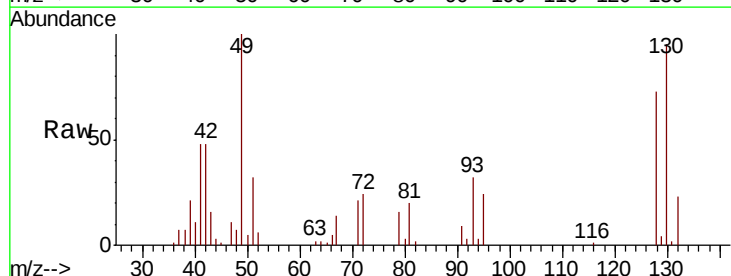
Tot Ion: 96 Resp: 18461
 Ion Ratio Lower Upper
 96 100
 61 141.3 0.0 271.6
 98 65.6 0.0 131.2

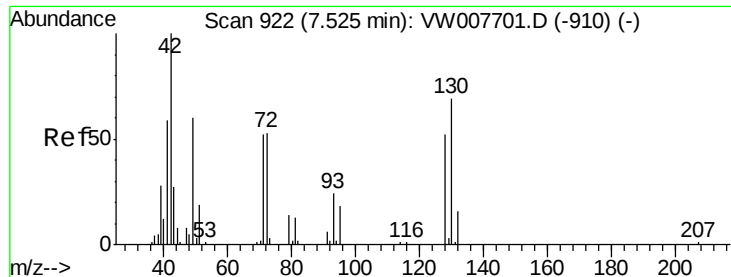


#28

Bromochloromethane
 Concen: 20.594 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 49 Resp: 10466
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 2.2
 130 97.6 81.5 122.3

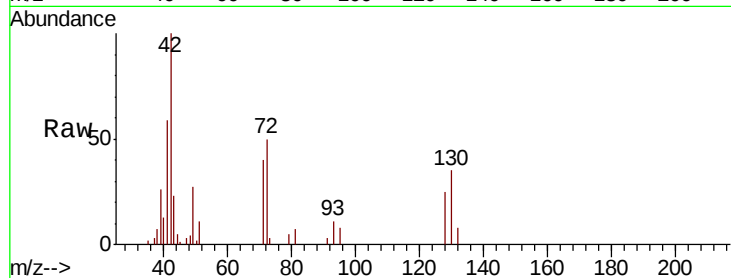




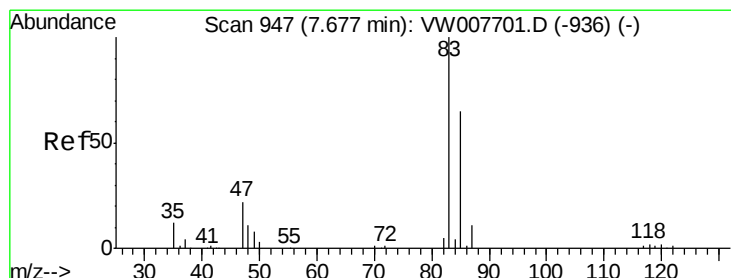
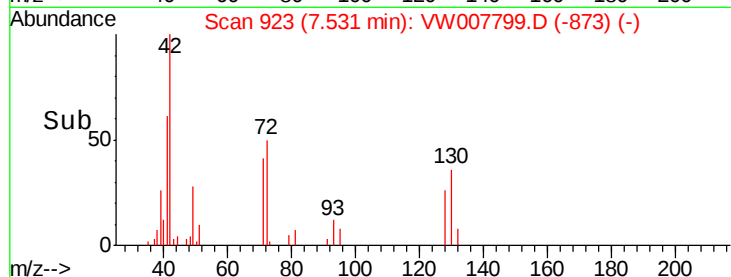
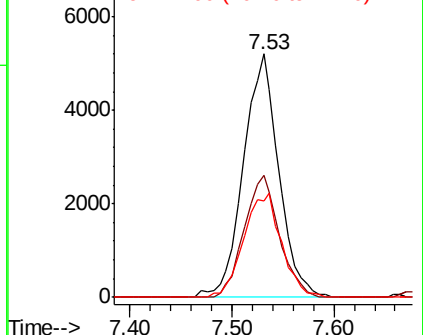
#29
Tetrahydrofuran
Concen: 104.963 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 12588
Ion Ratio Lower Upper
42 100
72 49.6 41.7 62.5
71 45.2 39.0 58.6

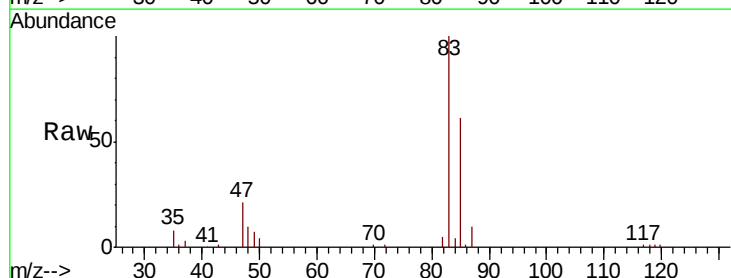


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

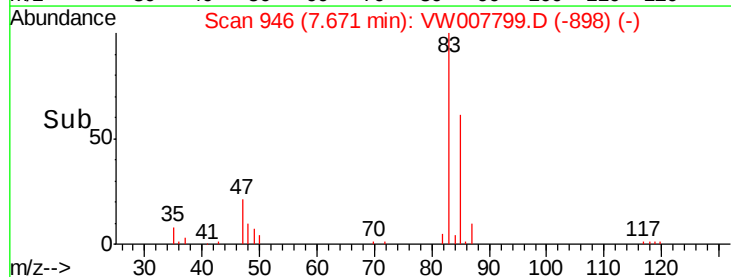
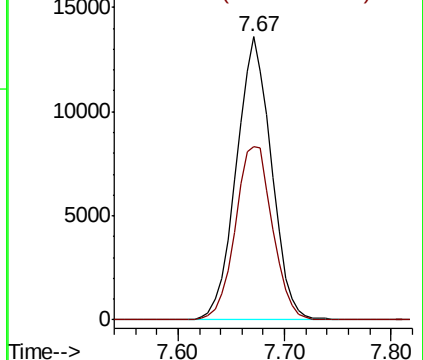


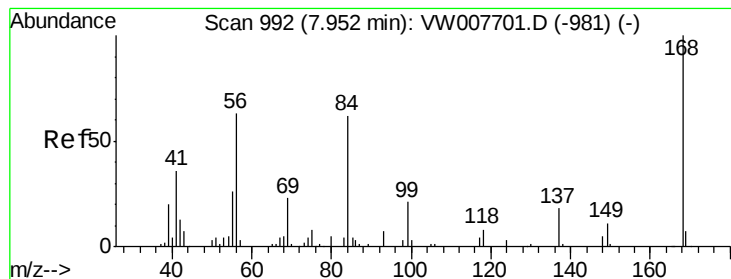
#30
Chloroform
Concen: 18.585 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 83 Resp: 31350
Ion Ratio Lower Upper
83 100
85 61.4 52.2 78.2



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





#31

Cyclohexane

Concen: 19.852 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

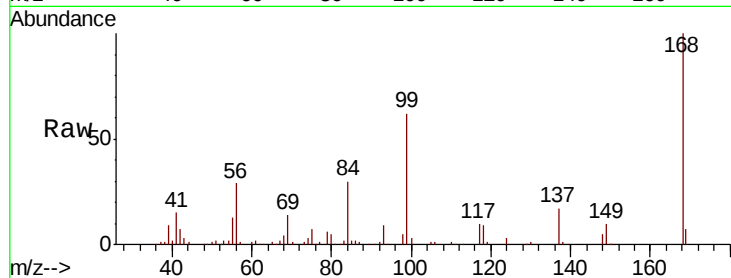
Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

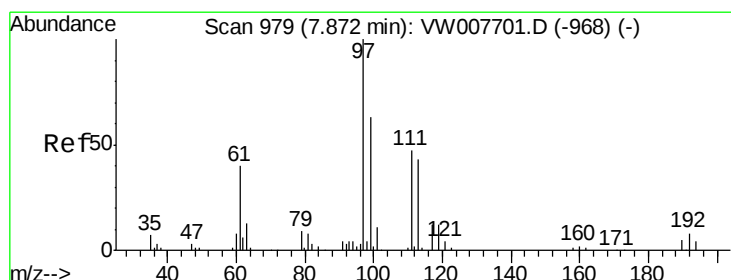
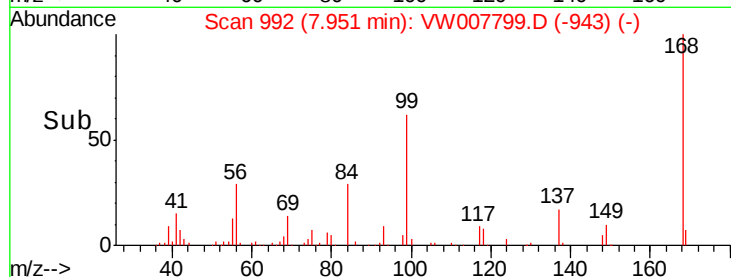
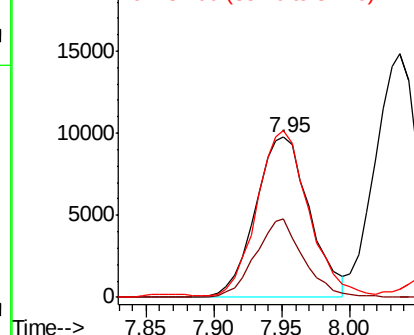
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 27090

Ion	Ratio	Lower	Upper
56	100		
69	48.8	29.7	44.5#
84	103.0	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: 17.891 ug/l

RT: 7.87 min Scan# 979

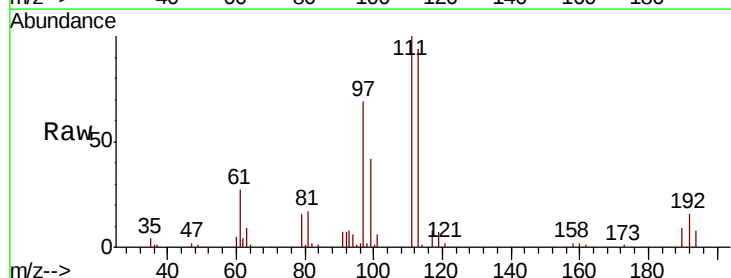
Delta R.T. -0.00 min

Lab File: VW007799.D

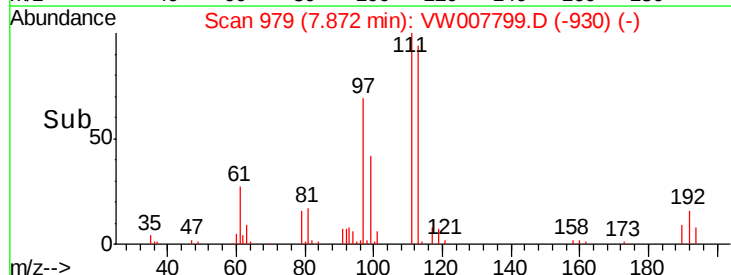
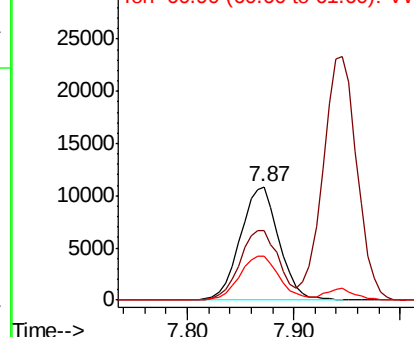
Acq: 21 Dec 2018 17:12

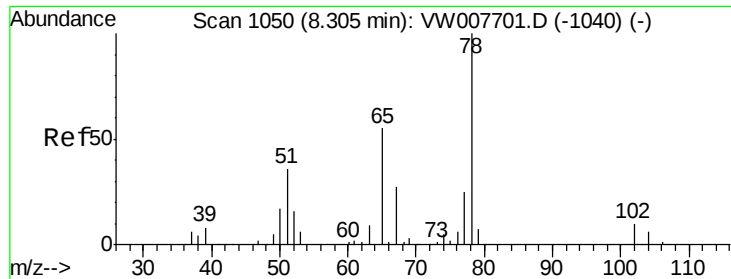
Tgt Ion: 97 Resp: 27486

Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.6	76.0
61	39.8	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

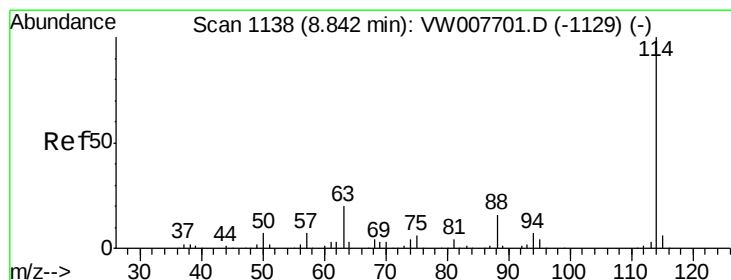
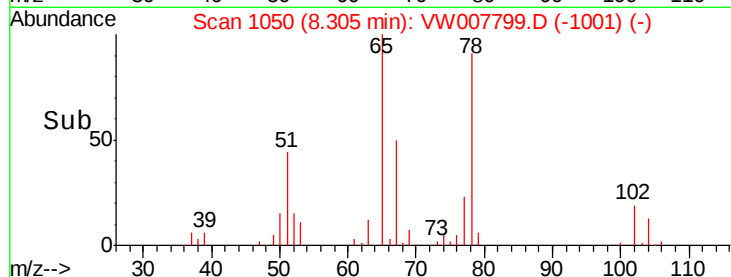
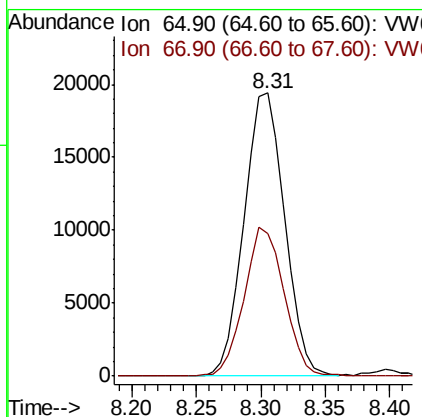
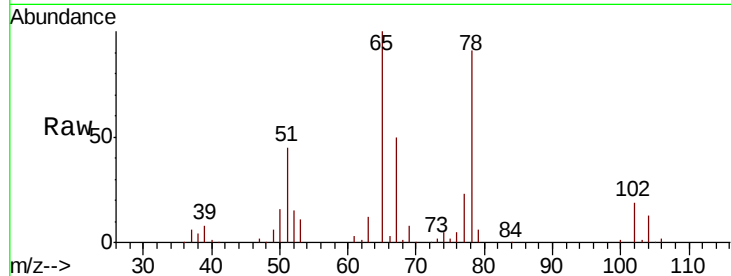




#33
 1,2-Dichloroethane-d4
 Concen: 46.240 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

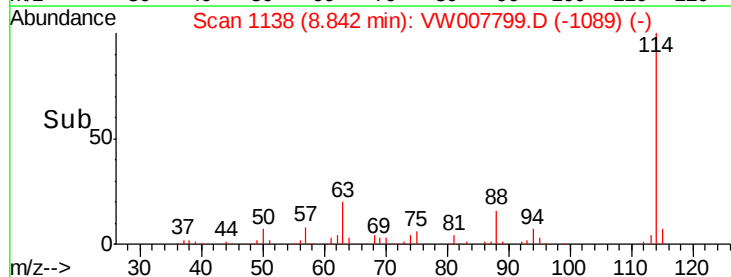
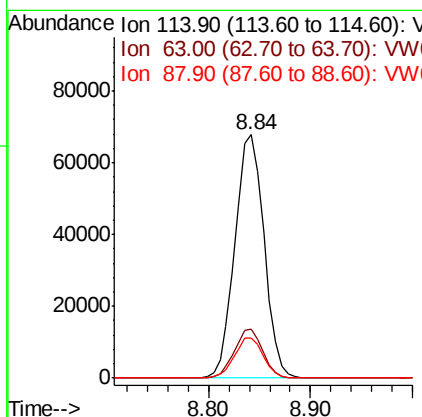
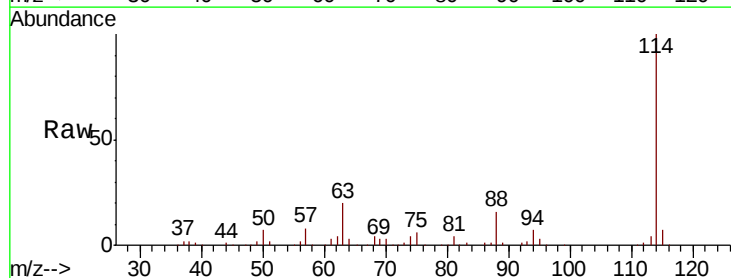
Instrument :
 MSVOA_W
 ClientSampleId :

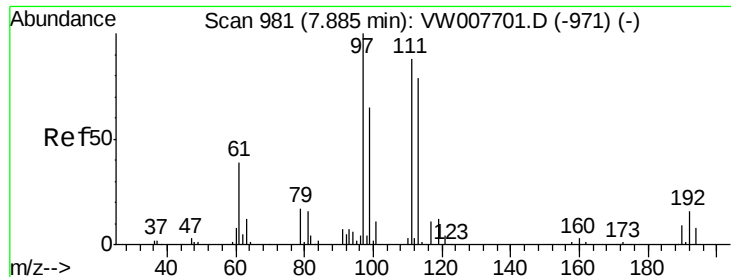
Tot Ion: 65 Resp: 42387
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 114 Resp: 133989
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.471 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampled :

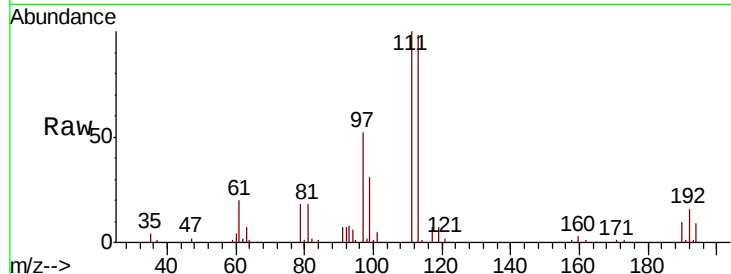
Tot Ion:113 Resp: 39620

Ion Ratio Lower Upper

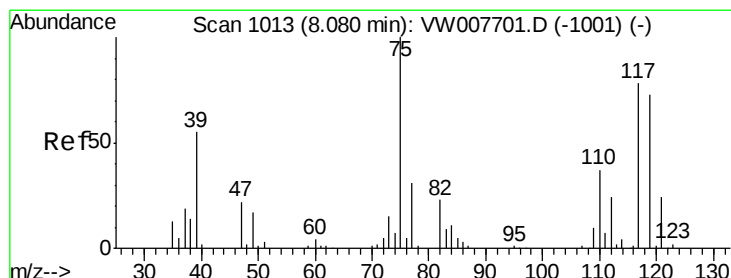
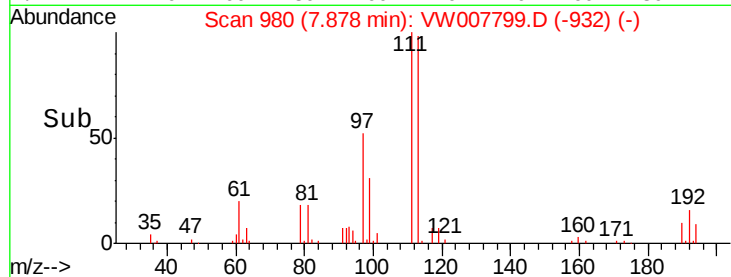
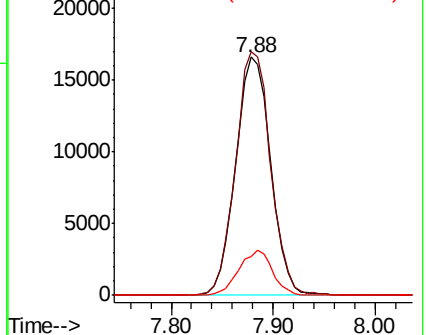
113 100

111 101.8 82.6 124.0

192 18.0 15.5 23.3



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



#36

1,1-Dichloropropene

Concen: 19.502 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

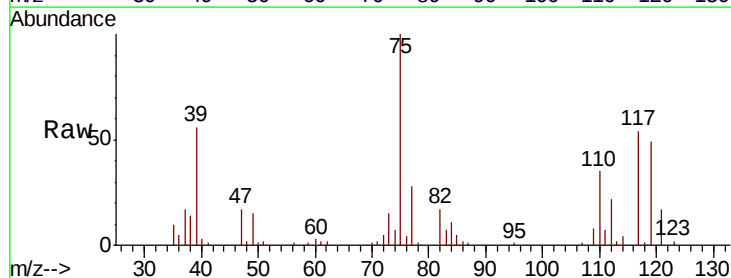
Tgt Ion: 75 Resp: 25220

Ion Ratio Lower Upper

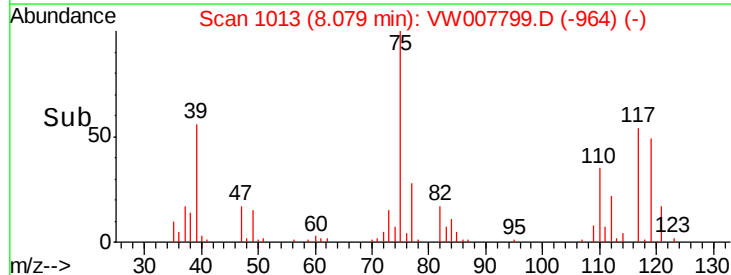
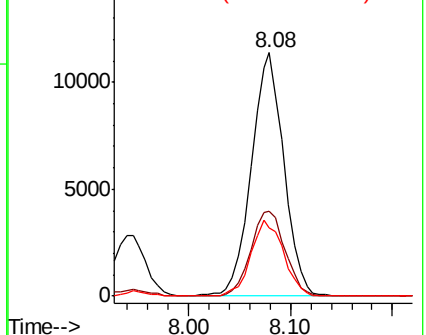
75 100

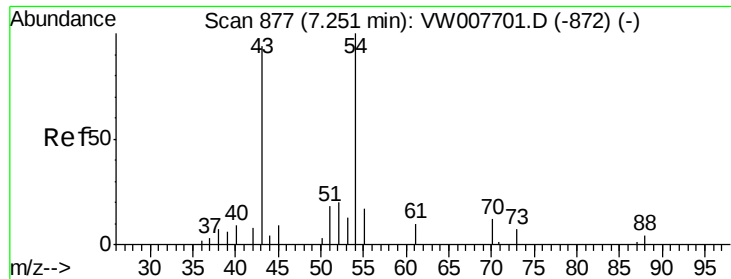
110 36.8 18.6 55.8

77 31.1 25.0 37.4



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

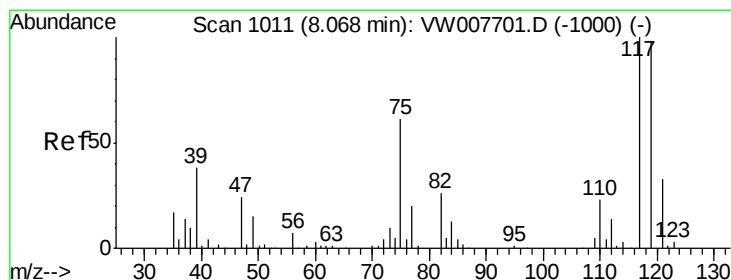
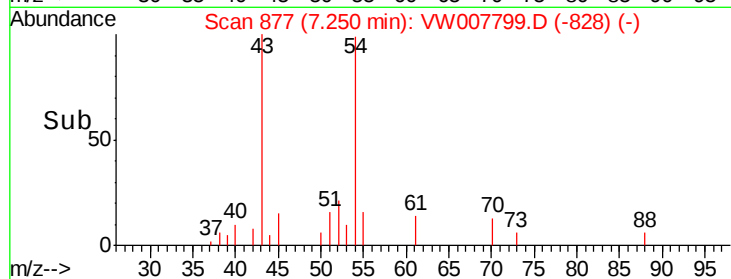
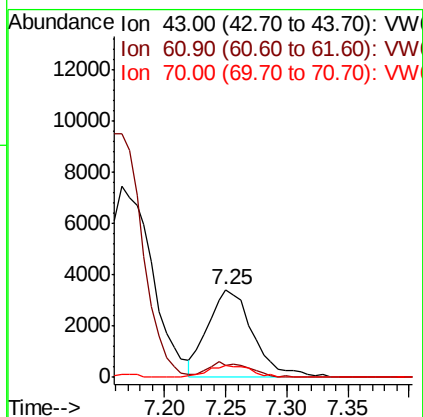
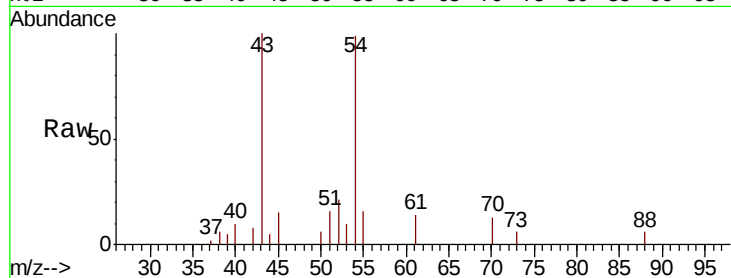




#37
Ethyl Acetate
Concen: 19.675 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

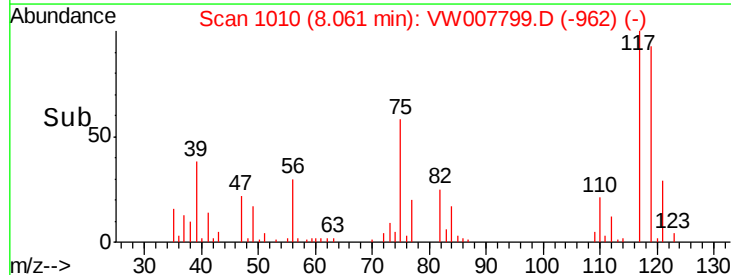
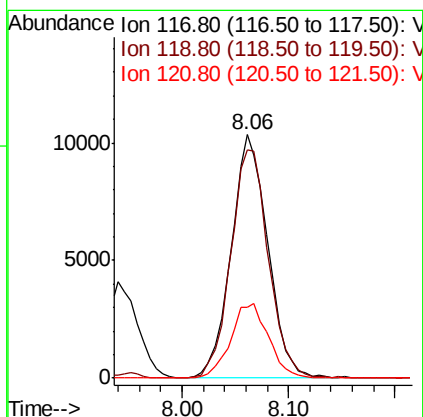
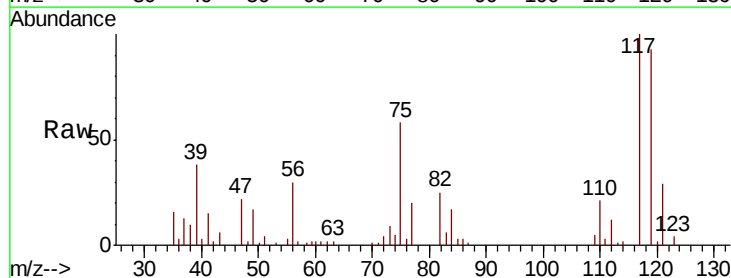
Instrument :
MSVOA_W
ClientSampleId :

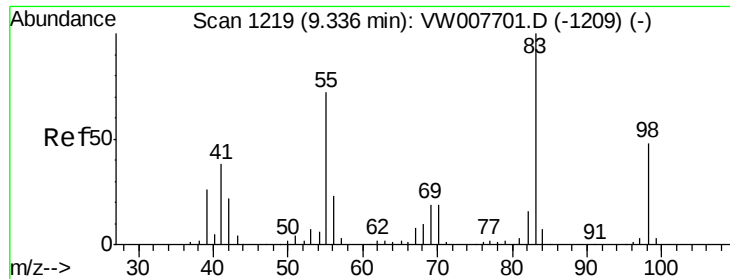
Tot Ion: 43 Resp: 8781
Ion Ratio Lower Upper
43 100
61 15.1 11.2 16.8
70 12.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 16.382 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 117 Resp: 24951
Ion Ratio Lower Upper
117 100
119 93.5 78.2 117.2
121 29.1 26.1 39.1

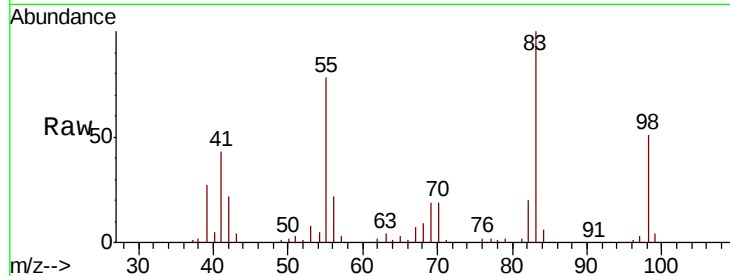




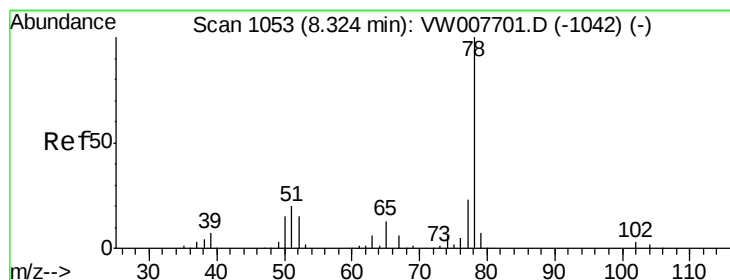
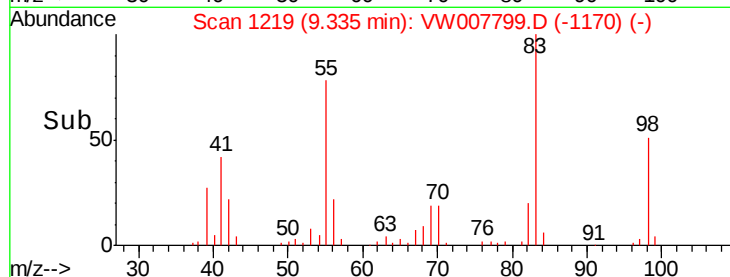
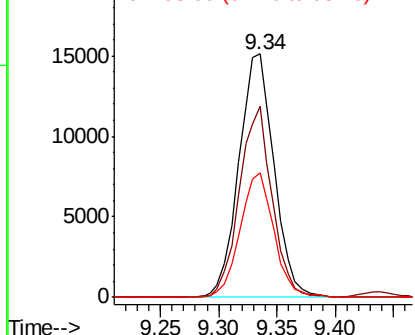
#39
Methvlcvclohexane
Concen: 19.844 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 31889
Ion Ratio Lower Upper
83 100
55 78.3 57.2 85.8
98 51.0 38.6 58.0

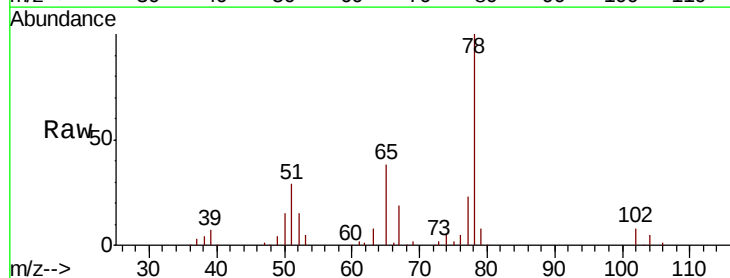


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

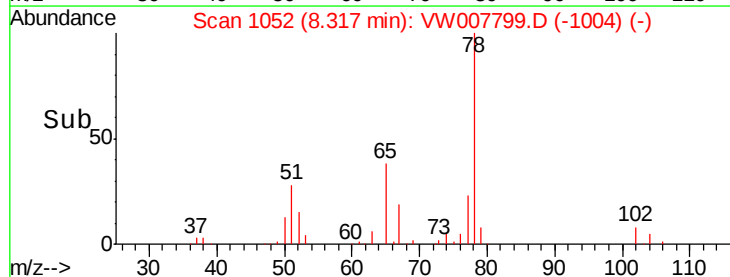
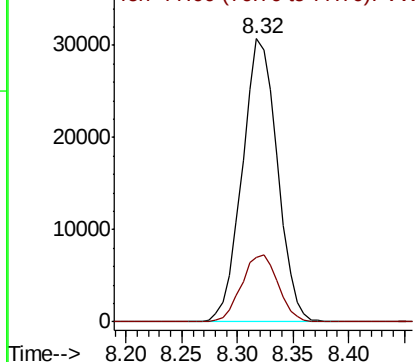


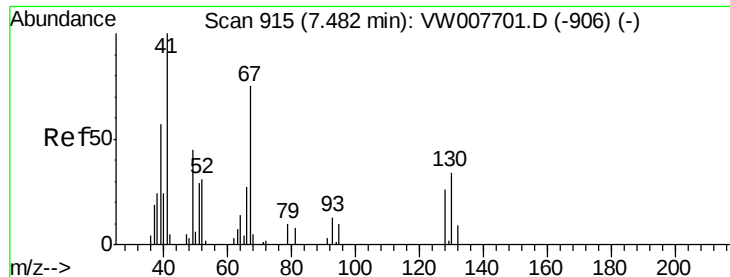
#40
Benzene
Concen: 19.560 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 78 Resp: 67500
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1



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

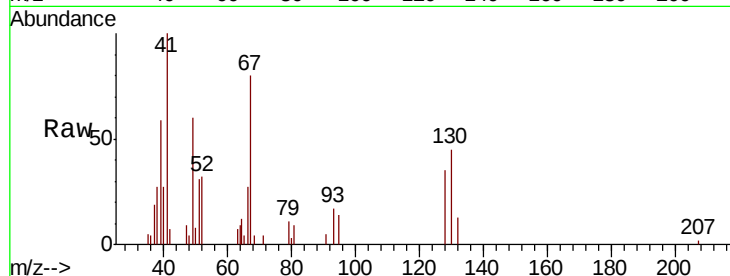




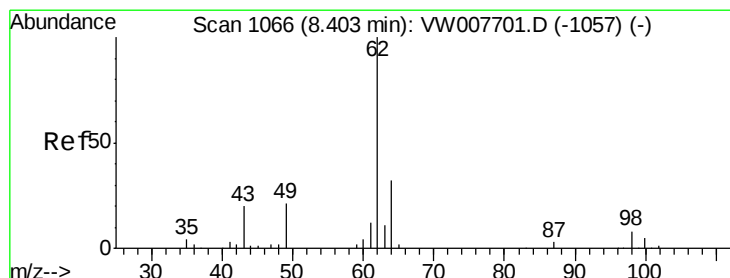
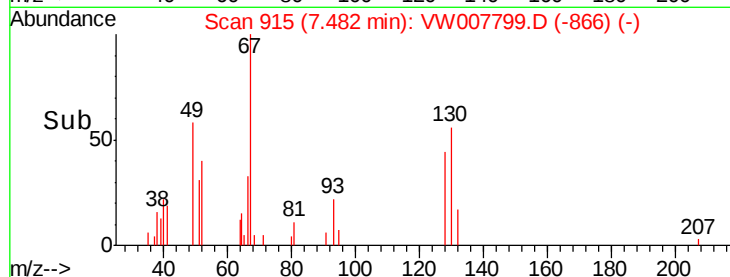
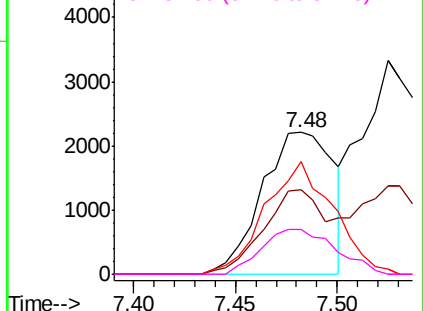
#41
Methacrylonitrile
Concen: 21.279 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	5392
Ion	Ratio	Lower	Upper
41	100		
39	60.1	54.2	81.4
67	75.7	65.7	98.5
52	32.7	26.2	39.4

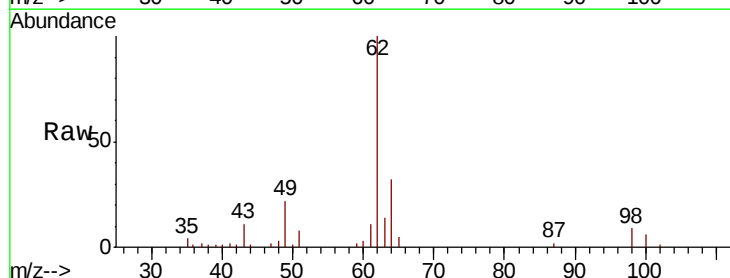


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

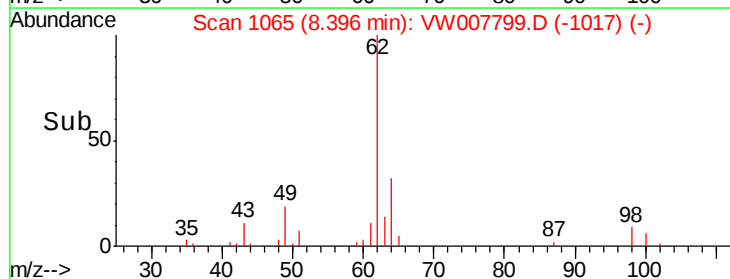
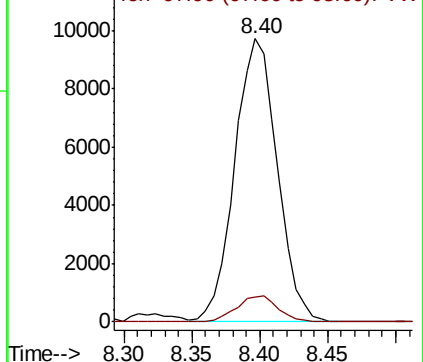


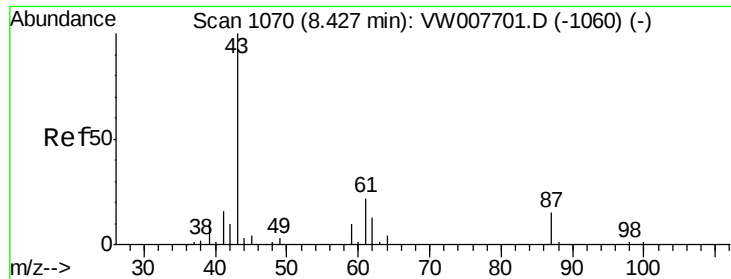
#42
1,2-Dichloroethane
Concen: 18.395 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:	62	Resp:	21274
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.476 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

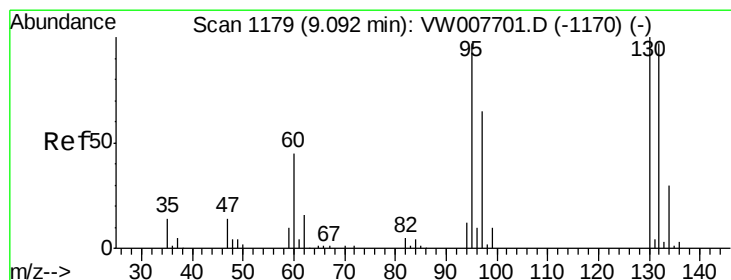
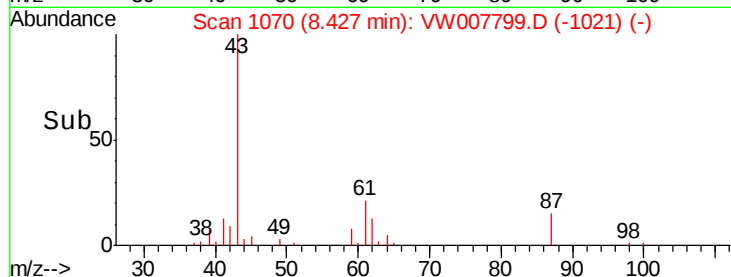
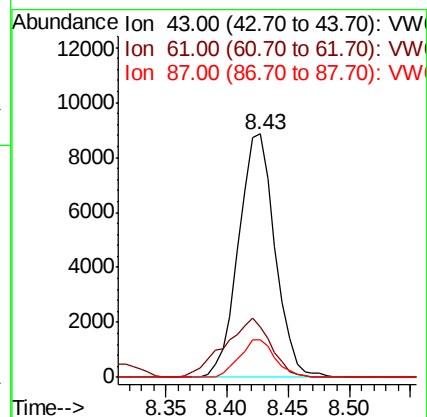
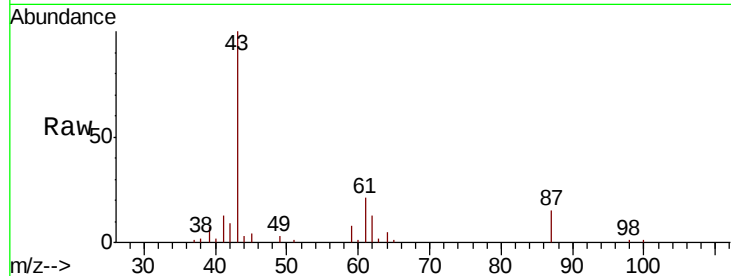
Tot Ion: 43 Resp: 18309

Ion Ratio Lower Upper

43 100

61 30.8 26.3 39.5

87 15.0 12.0 18.0



#44

Trichloroethene

Concen: 18.635 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW007799.D

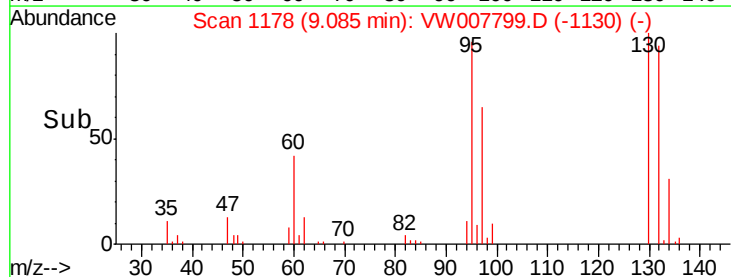
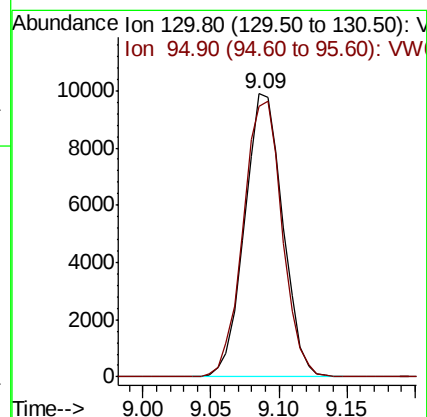
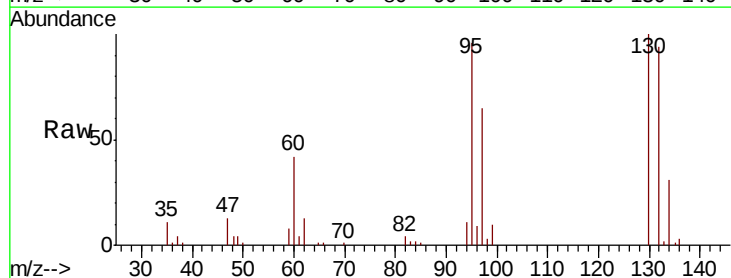
Acq: 21 Dec 2018 17:12

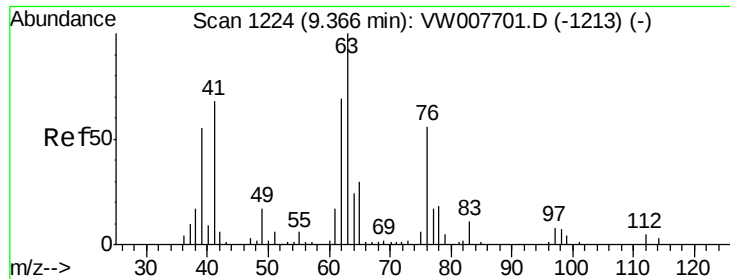
Tgt Ion:130 Resp: 19448

Ion Ratio Lower Upper

130 100

95 95.8 0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.463 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

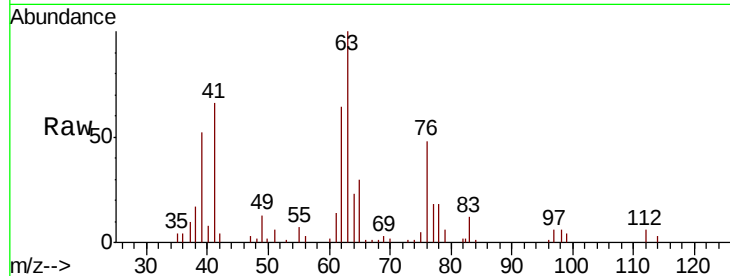
ClientSampleId :

Tot Ion: 63 Resp: 15669

Ion Ratio Lower Upper

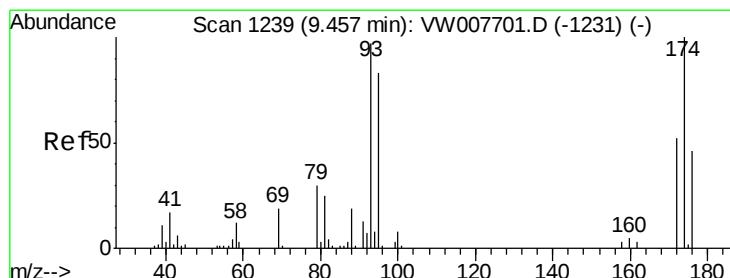
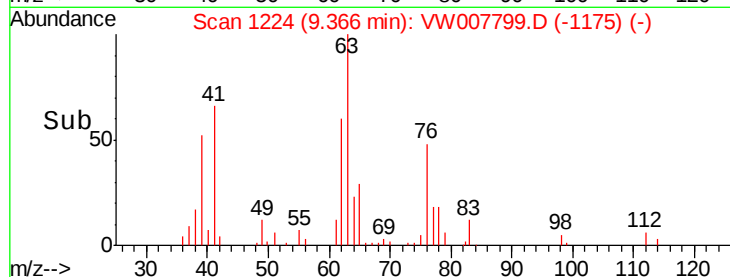
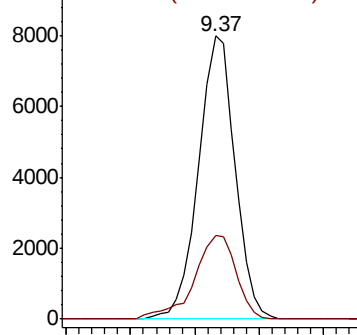
63 100

65 29.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 18.262 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

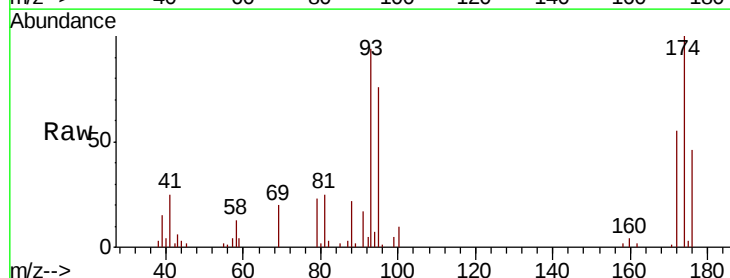
Tgt Ion: 93 Resp: 8608

Ion Ratio Lower Upper

93 100

95 80.5 67.5 101.3

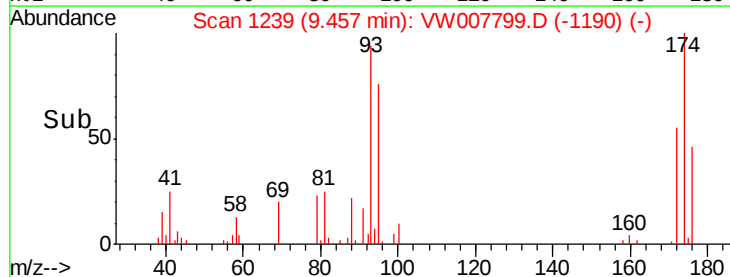
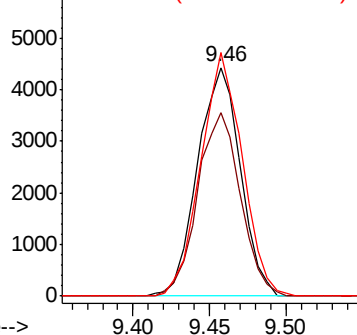
174 103.3 83.9 125.9

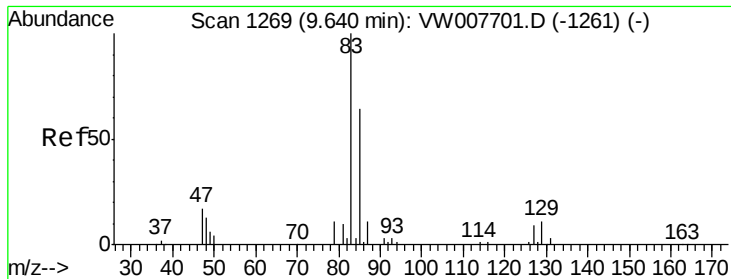


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

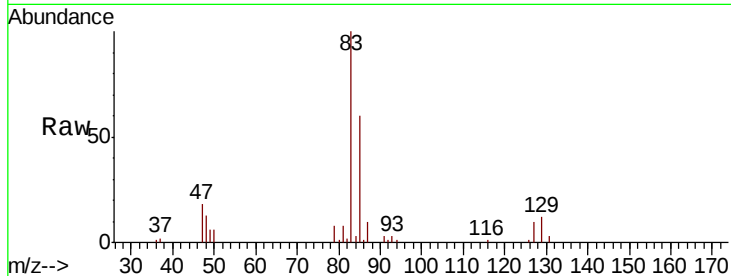




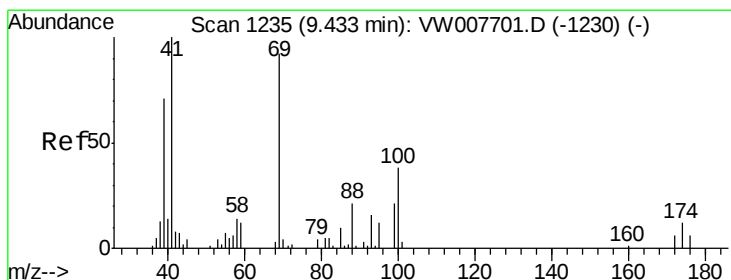
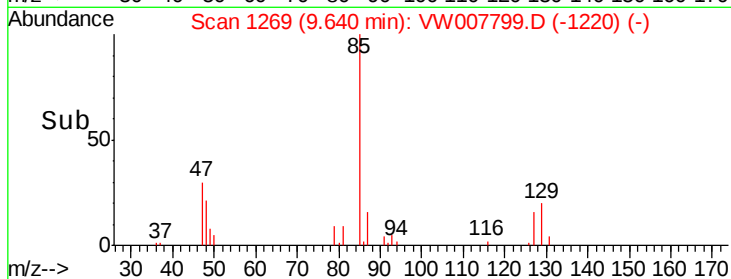
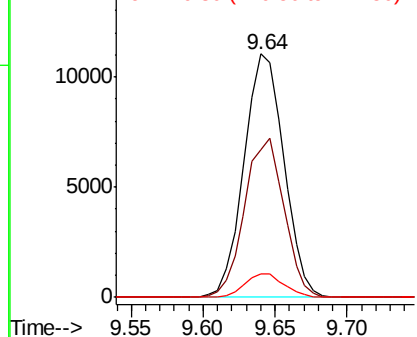
#47
 Bromodichloromethane
 Concen: 17.131 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 83 Resp: 21228
 Ion Ratio Lower Upper
 83 100
 85 60.5 51.4 77.0
 127 9.6 7.5 11.3

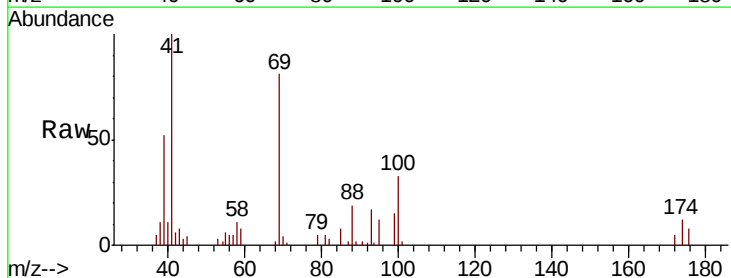


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

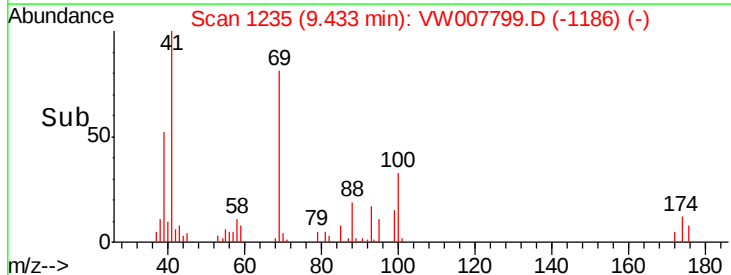
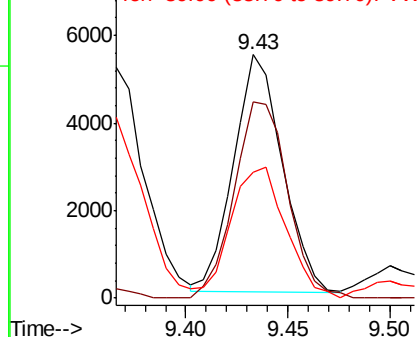


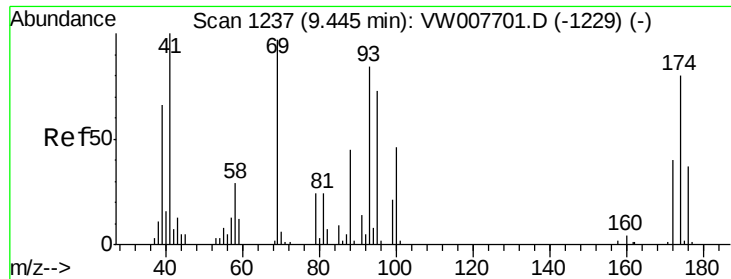
#48
 Methyl methacrylate
 Concen: 20.176 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 41 Resp: 9005
 Ion Ratio Lower Upper
 41 100
 69 90.7 74.2 111.2
 39 62.3 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



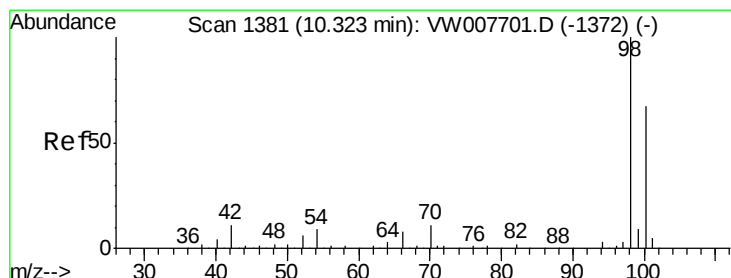
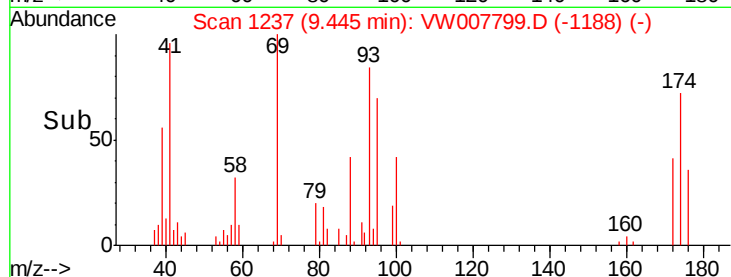
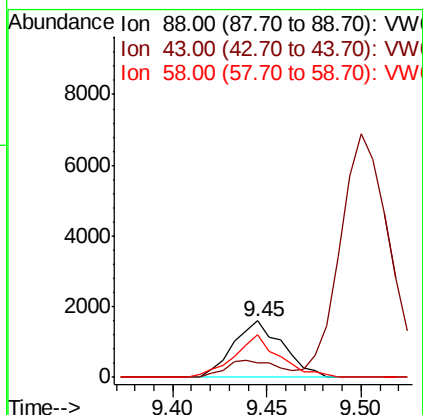
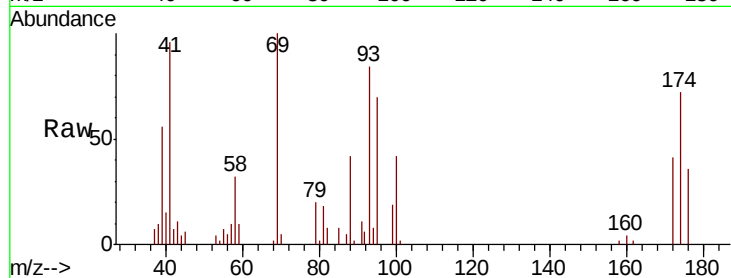


#49
 1,4-Dioxane
 Concen: 390.322 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 2917

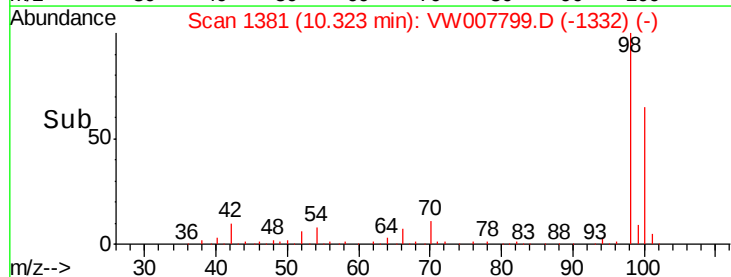
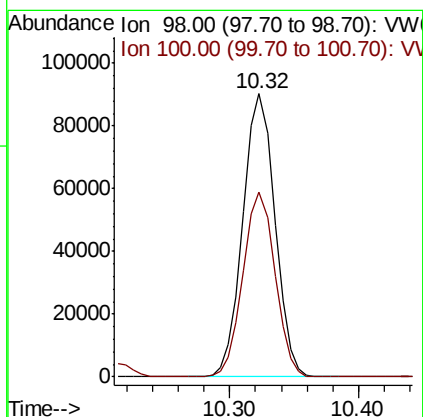
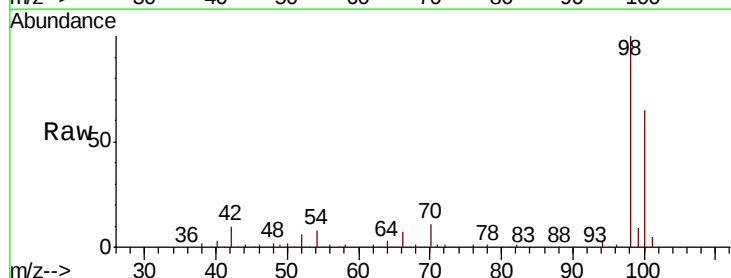
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.6	38.4
58	68.9	52.3	78.5

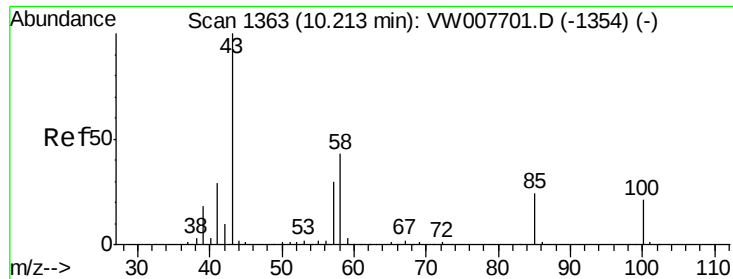


#50
 Toluene-d8
 Concen: 50.537 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 98 Resp: 155728

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 99.687 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

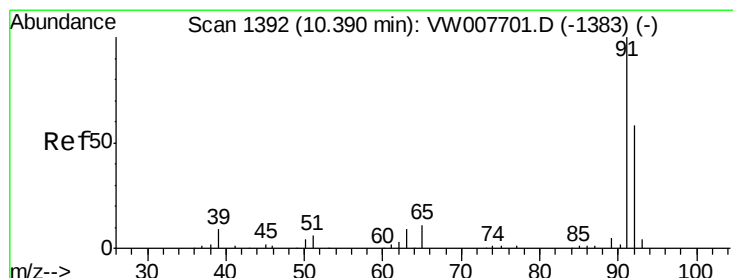
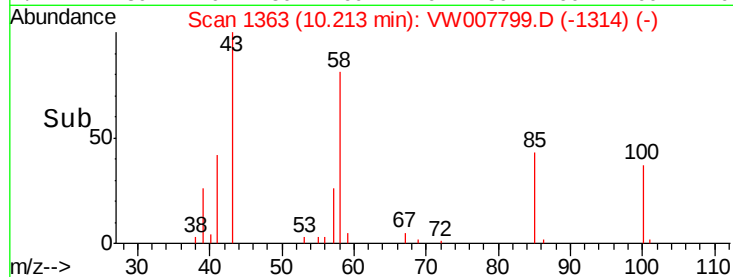
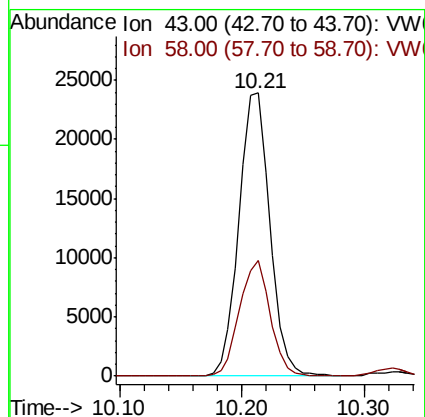
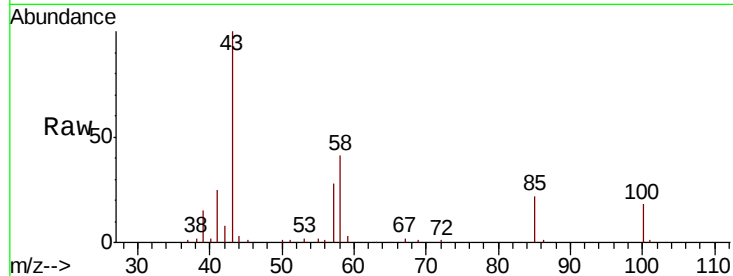
ClientSampled :

Tot Ion: 43 Resp: 42126

Ion Ratio Lower Upper

43 100

58 40.1 33.2 49.8



#52

Toluene

Concen: 20.155 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007799.D

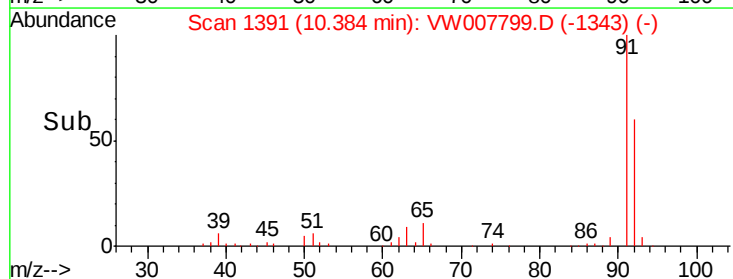
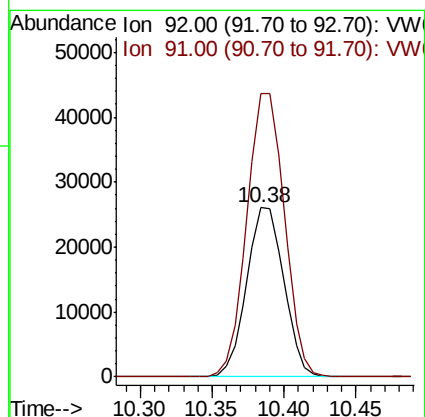
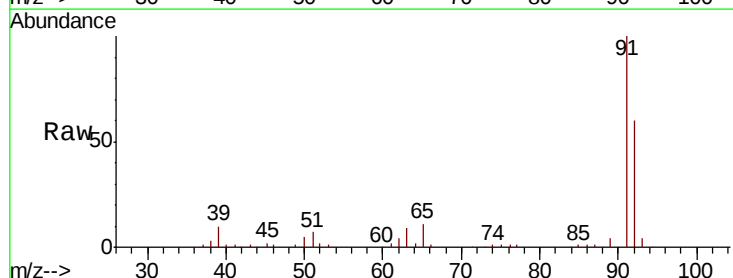
Acq: 21 Dec 2018 17:12

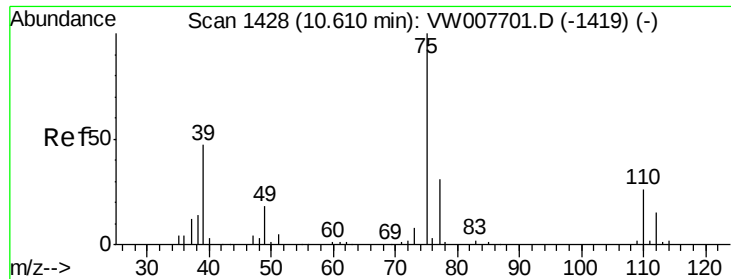
Tgt Ion: 92 Resp: 46667

Ion Ratio Lower Upper

92 100

91 169.4 137.0 205.4

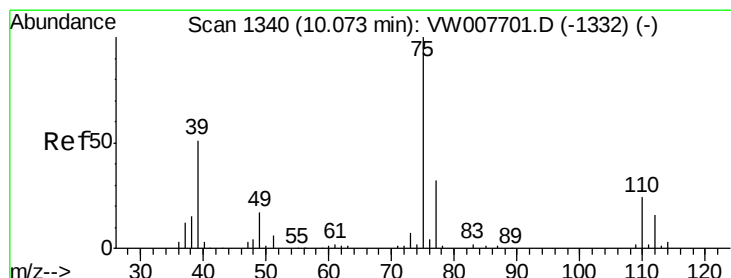
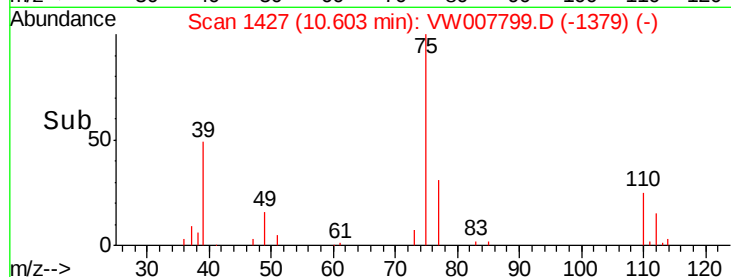
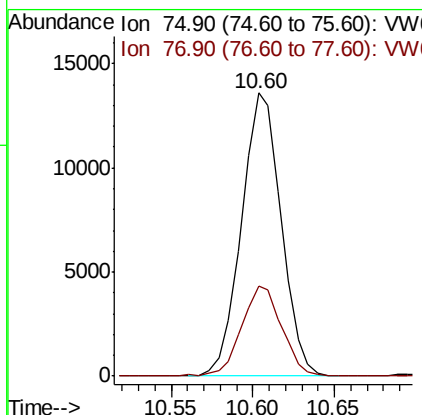
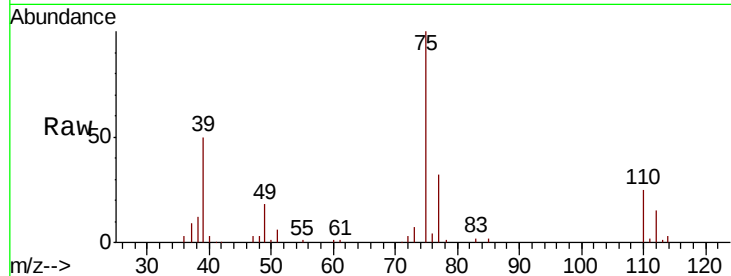




#53
t-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

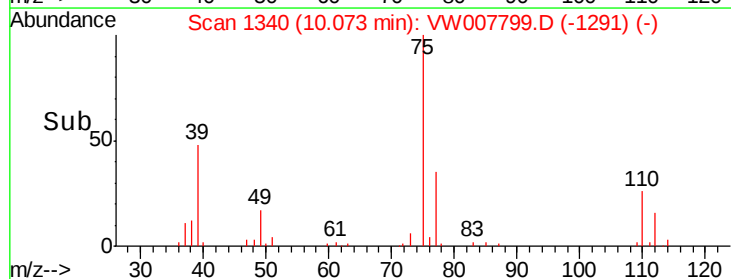
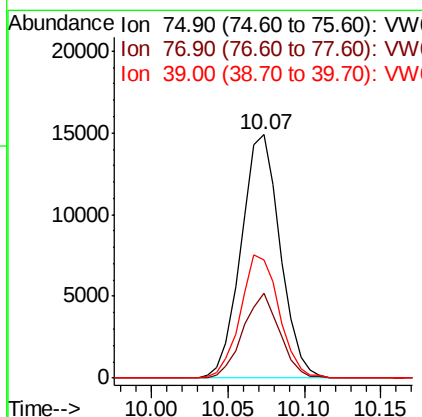
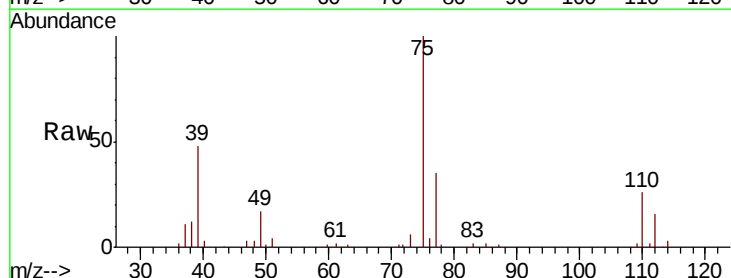
Instrument :
MSVOA_W
ClientSampleId :

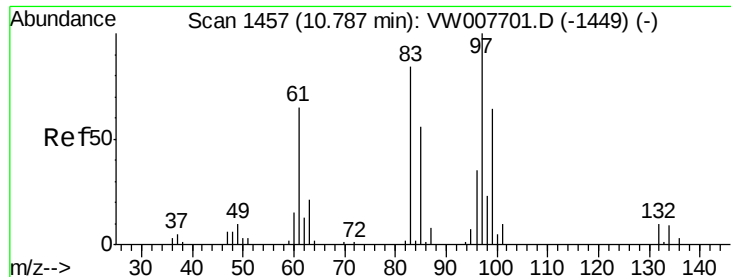
Tot Ion: 75 Resp: 23007
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.378 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 75 Resp: 26382
Ion Ratio Lower Upper
75 100
77 34.6 25.5 38.3
39 48.3 41.2 61.8

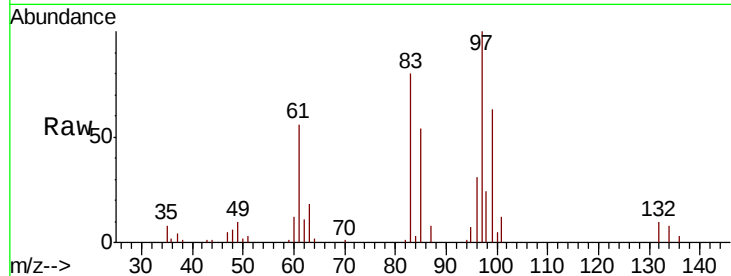




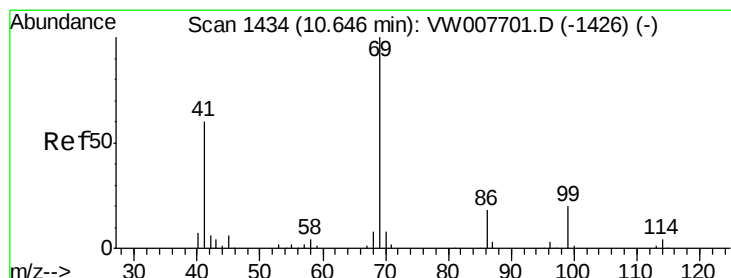
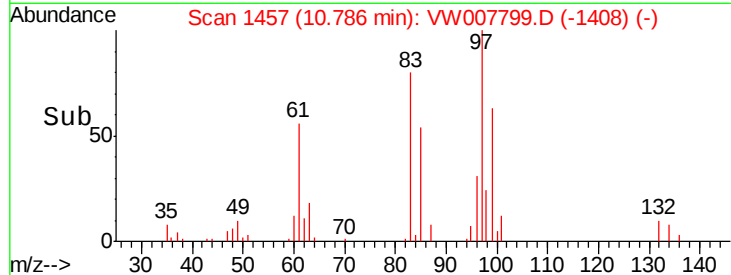
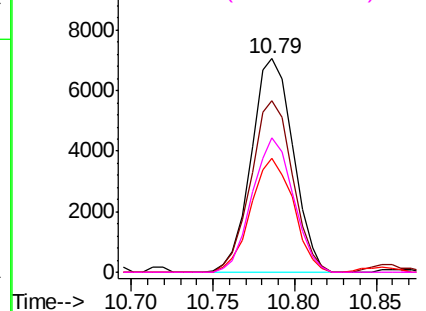
#55
1,1,2-Trichloroethane
Concen: 19.362 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	97	Resp:	12582
Ion	Ratio	Lower	Upper
97	100		
83	80.1	67.5	101.3
85	53.5	44.8	67.2
99	63.1	51.0	76.4

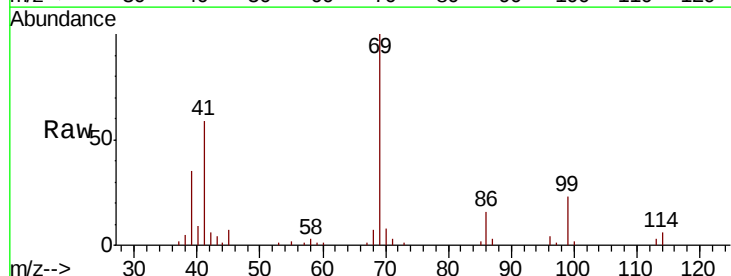


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

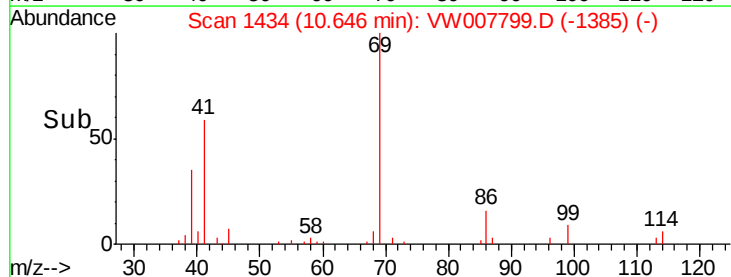
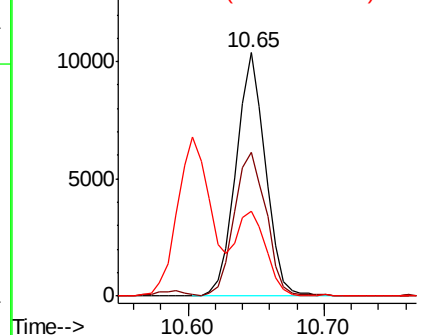


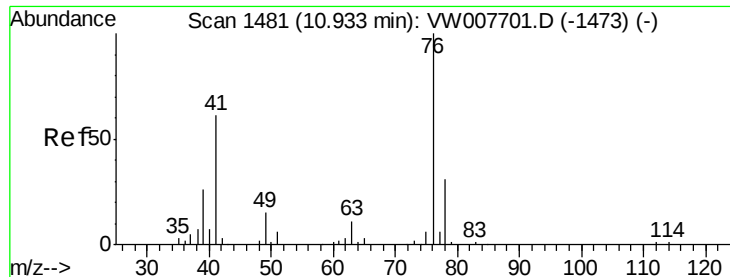
#56
Ethyl methacrylate
Concen: 20.255 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:	69	Resp:	15551
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.9	73.3
39	35.8	31.3	46.9



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

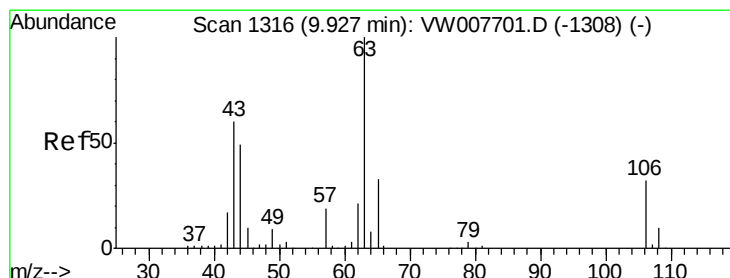
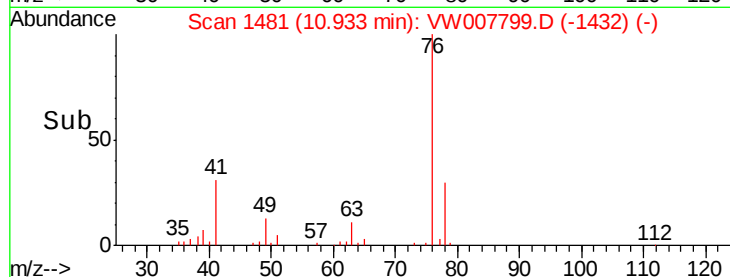
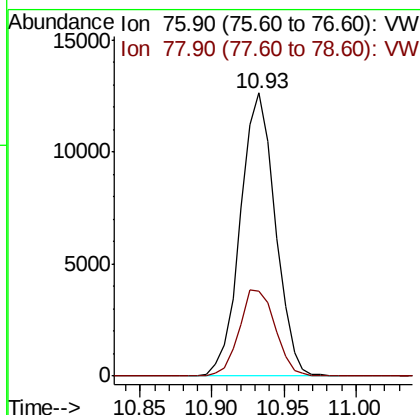
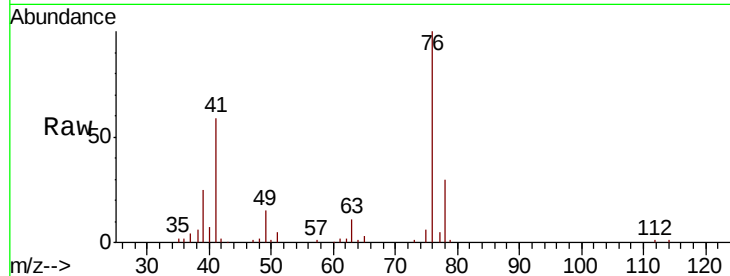




#57
 1,3-Dichloropropane
 Concen: 19.701 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

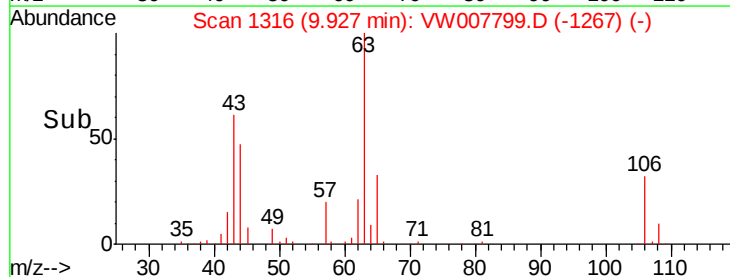
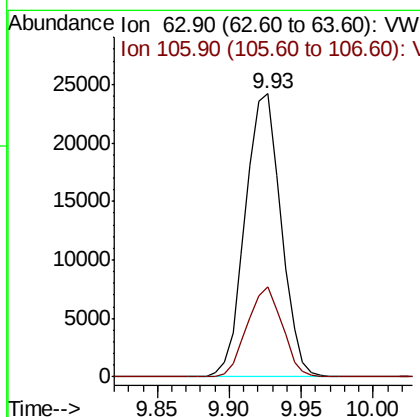
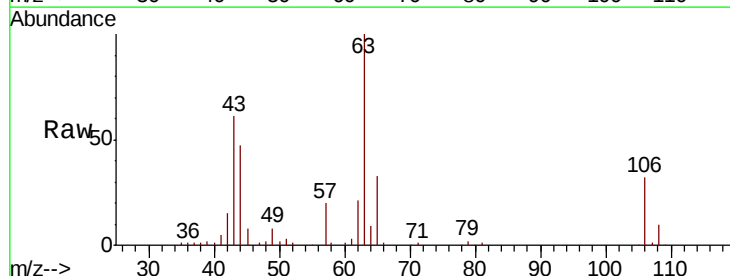
Instrument :
 MSVOA_W
 ClientSampled :

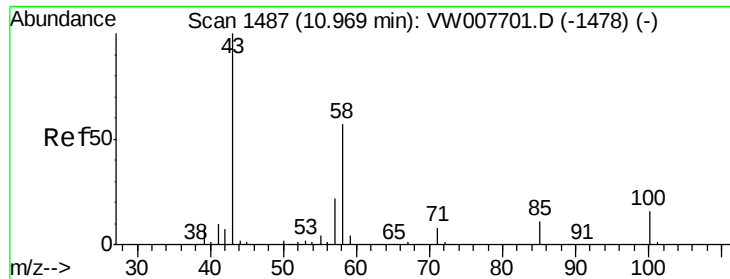
Tot Ion: 76 Resp: 21259
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.099 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 63 Resp: 41749
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.9 38.9





#59

2-Hexanone

Concen: 102.376 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

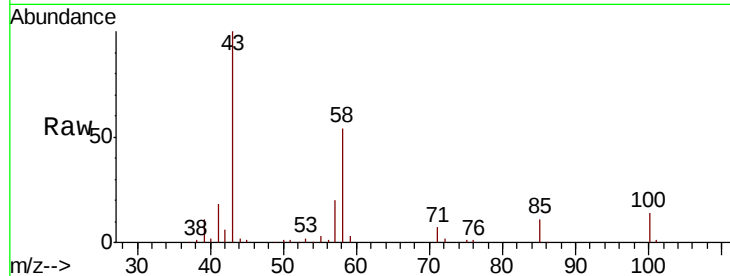
ClientSampled :

Tot Ion: 43 Resp: 30425

Ion Ratio Lower Upper

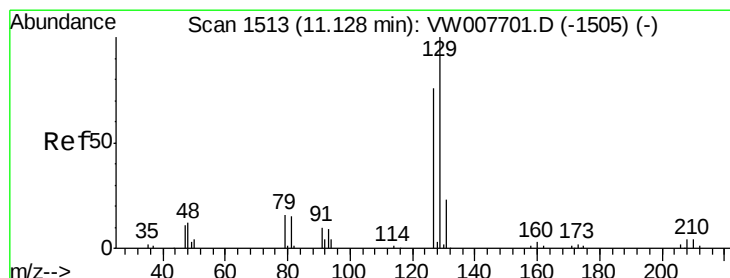
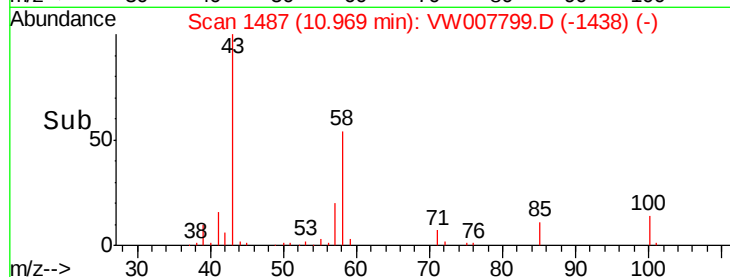
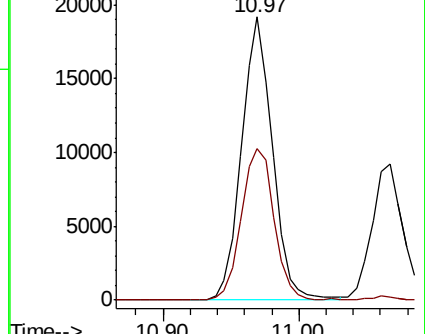
43 100

58 56.7 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 16.332 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007799.D

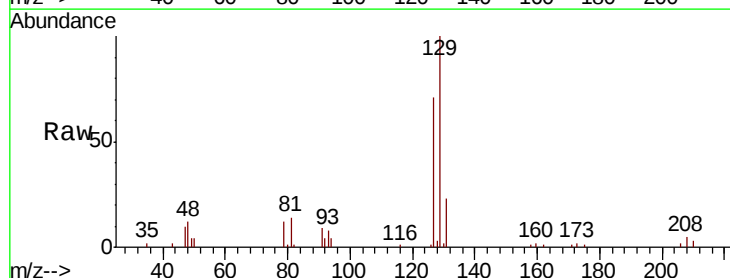
Acq: 21 Dec 2018 17:12

Tgt Ion:129 Resp: 14052

Ion Ratio Lower Upper

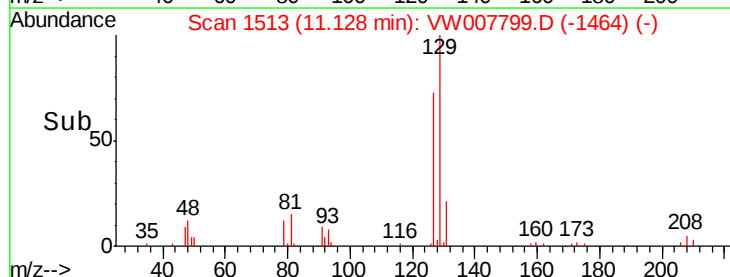
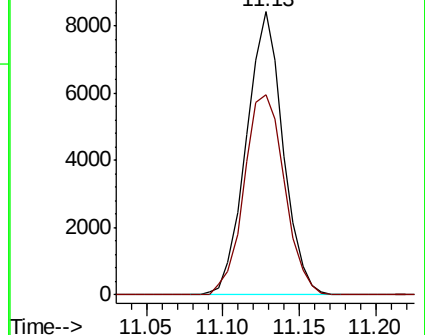
129 100

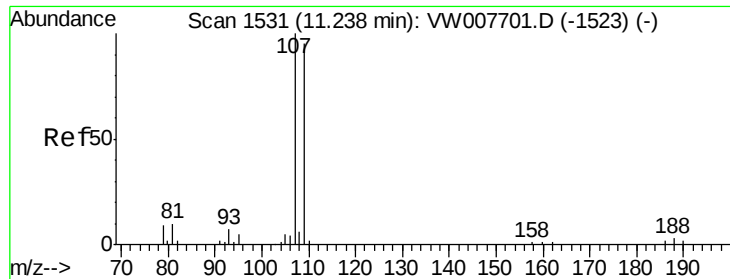
127 77.9 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

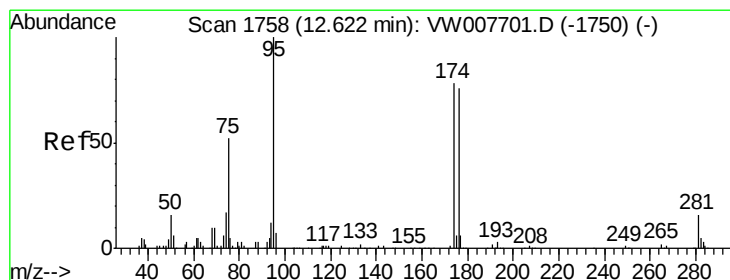
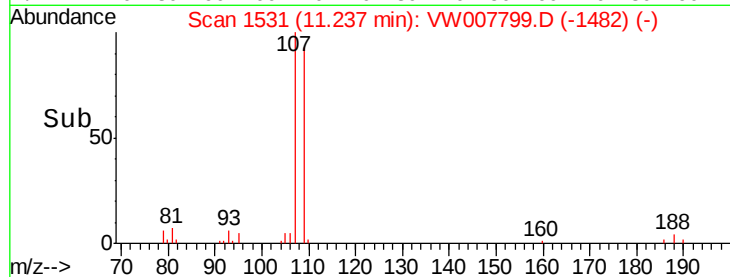
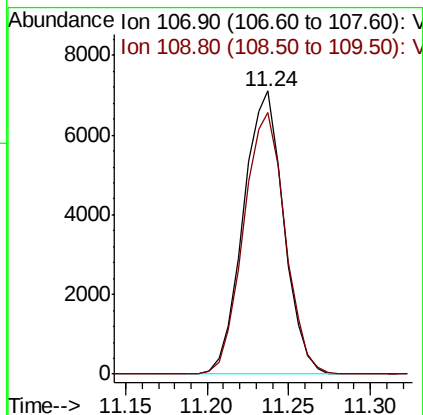
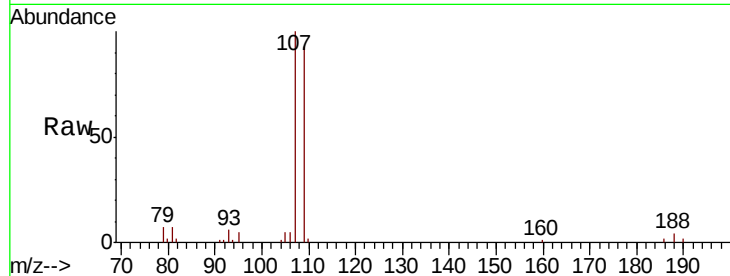




#61
 1,2-Dibromoethane
 Concen: 18.600 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

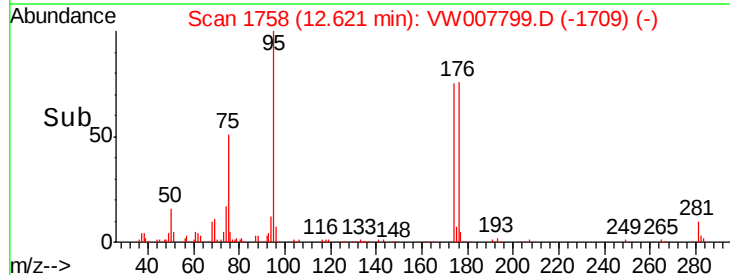
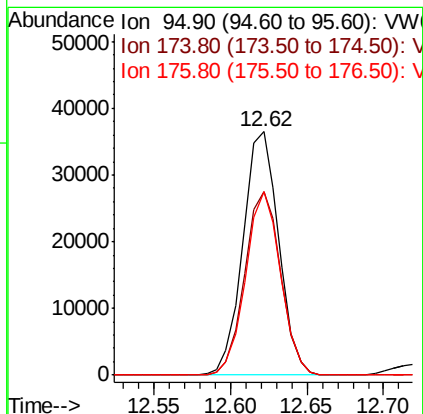
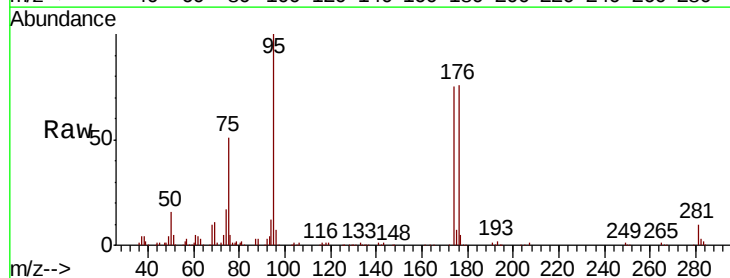
Instrument :
 MSVOA_W
 ClientSampleId :

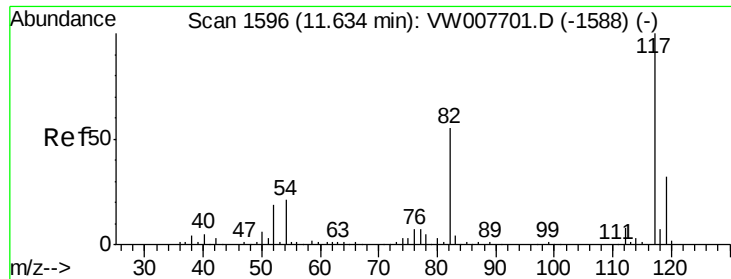
Tot Ion:107 Resp: 12240
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.815 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 95 Resp: 59302
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 152.2
 176 73.5 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: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

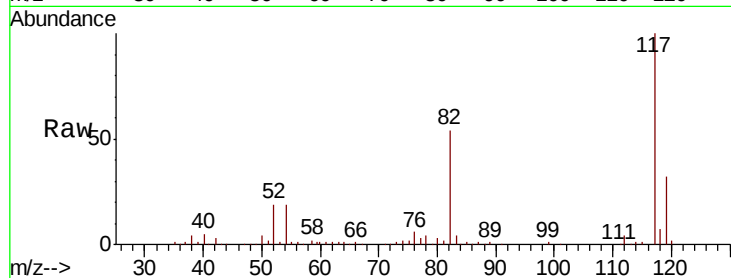
Tot Ion:117 Resp: 119266

Ion Ratio Lower Upper

117 100

82 53.7 44.3 66.5

119 31.8 25.7 38.5

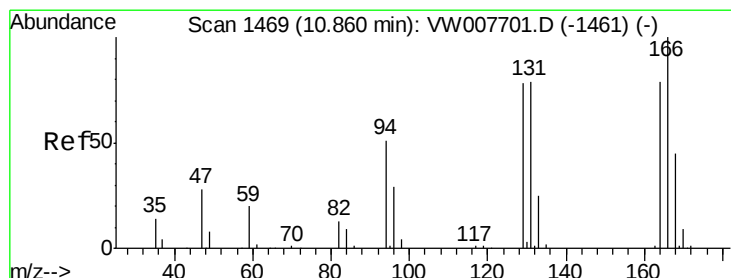
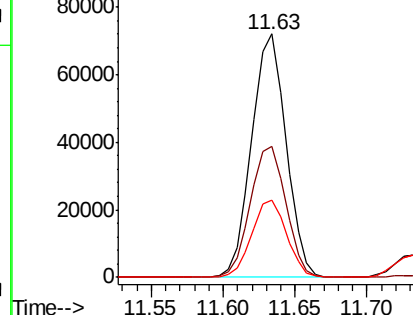
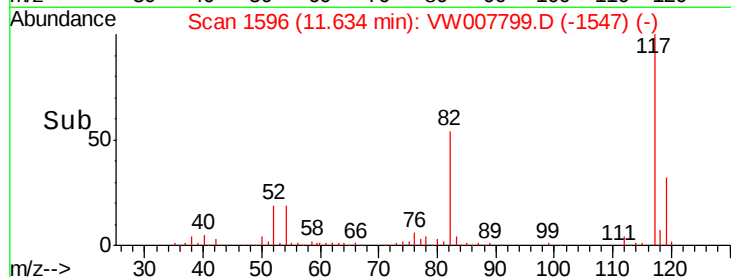


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.023 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:164 Resp: 16066

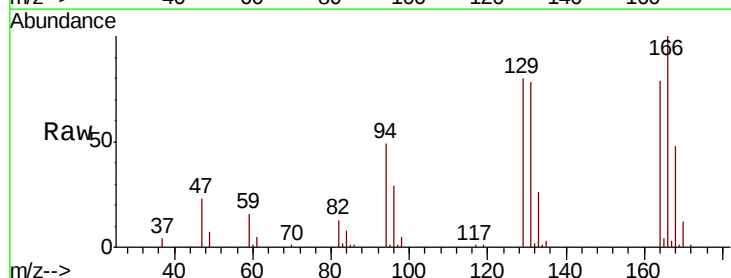
Ion Ratio Lower Upper

164 100

166 127.2 101.0 151.6

129 102.3 78.7 118.1

131 99.4 79.4 119.0



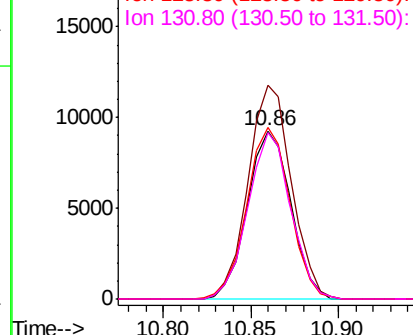
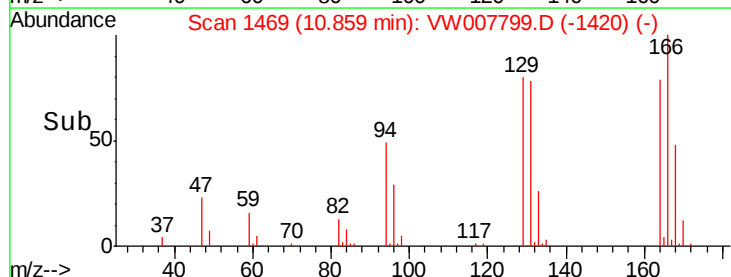
Abundance

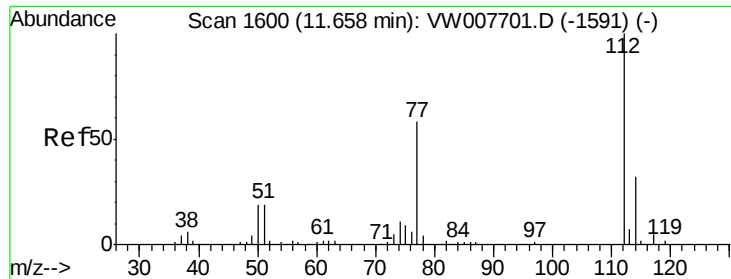
Ion 163.80 (163.50 to 164.50): V

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

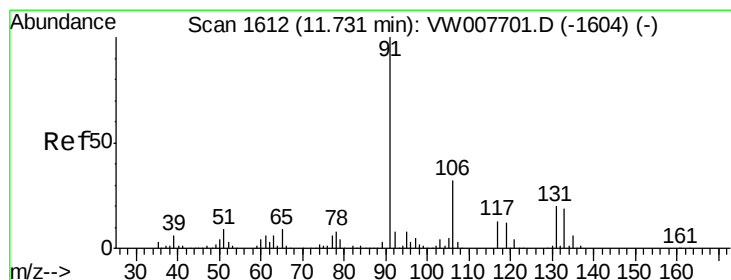
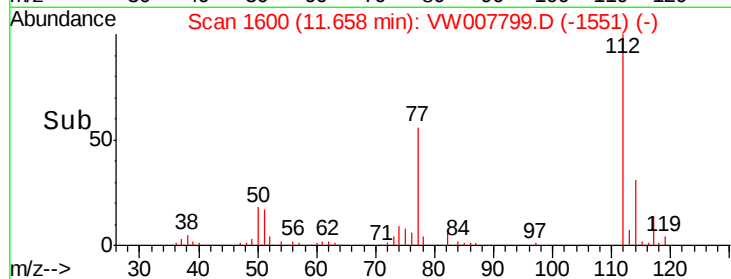
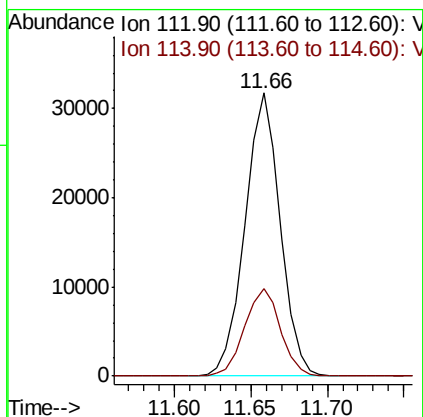
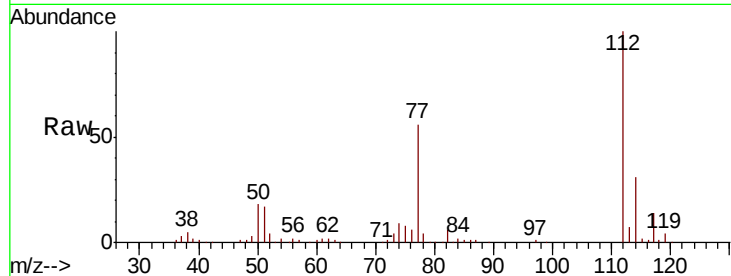




#65
Chlorobenzene
Concen: 19.608 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

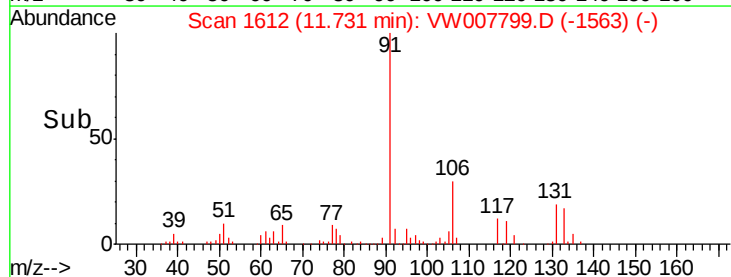
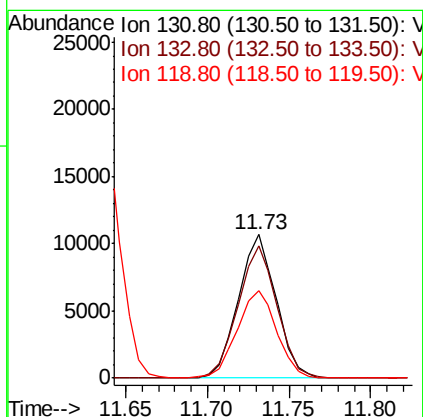
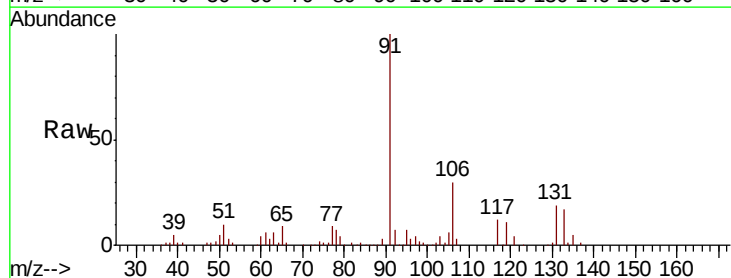
Instrument :
MSVOA_W
ClientSampleId :

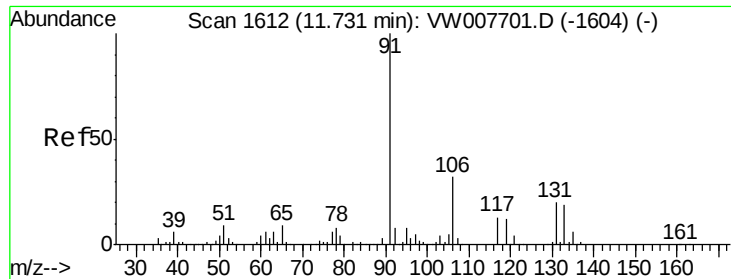
Tot Ion:112 Resp: 50616
Ion Ratio Lower Upper
112 100
114 30.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:131 Resp: 17076
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 64.4 30.2 90.6

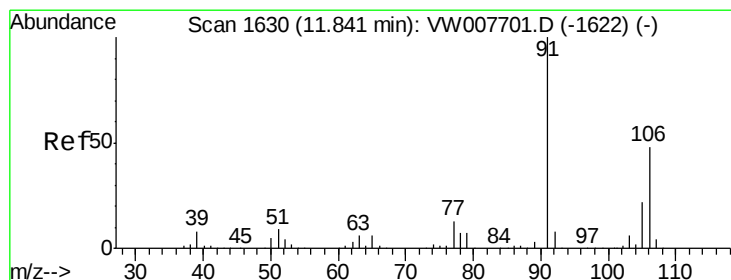
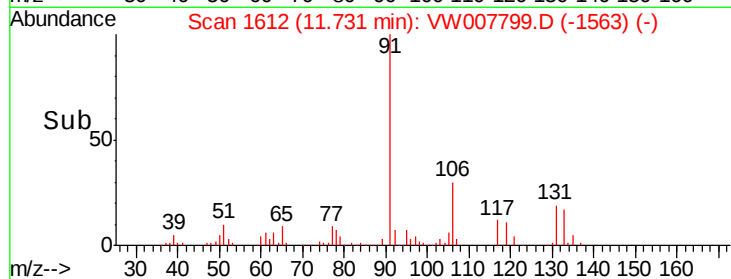
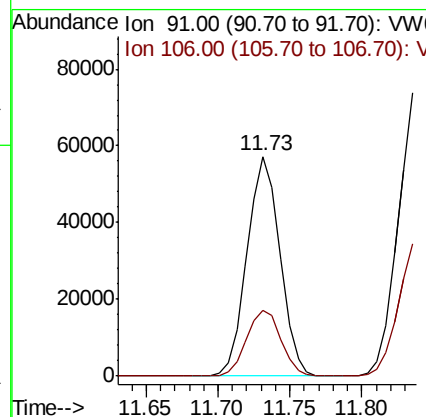
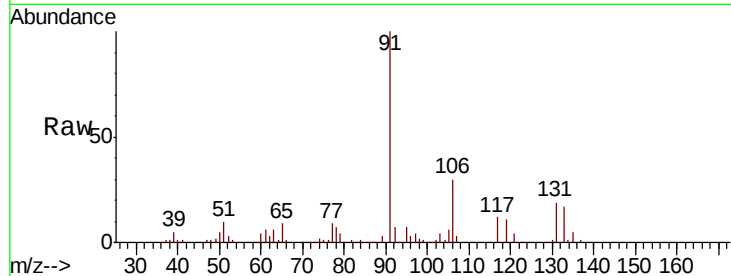




#67
Ethyl Benzene
Concen: 20.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

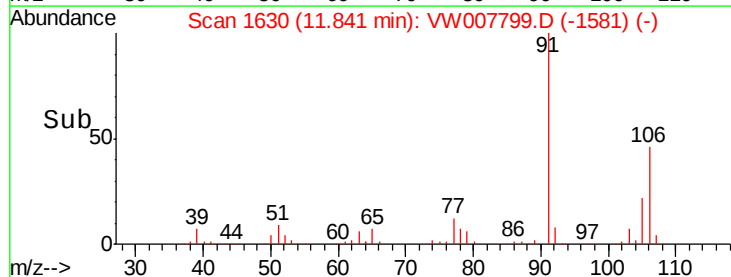
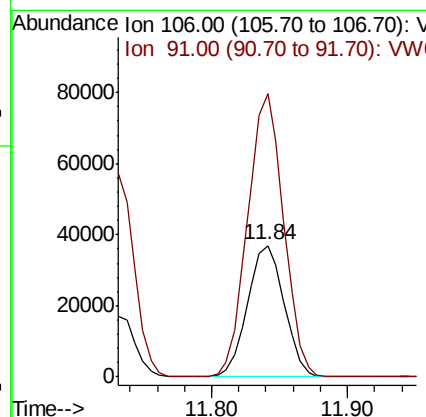
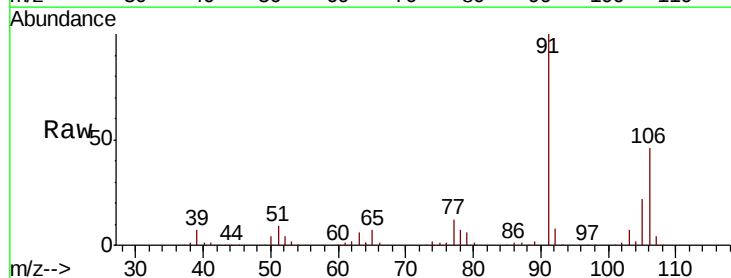
Instrument :
MSVOA_W
ClientSampled :

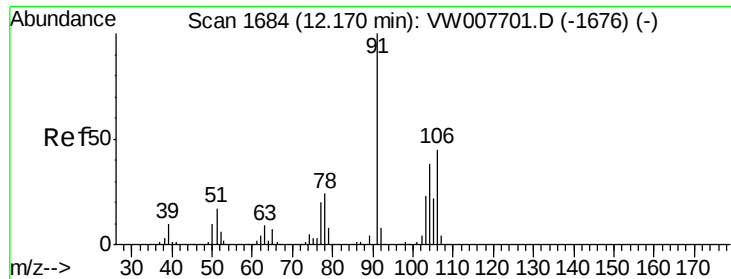
Tot Ion: 91 Resp: 90440
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8



#68
m/p-Xylenes
Concen: 40.533 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:106 Resp: 69650
Ion Ratio Lower Upper
106 100
91 212.5 165.2 247.8

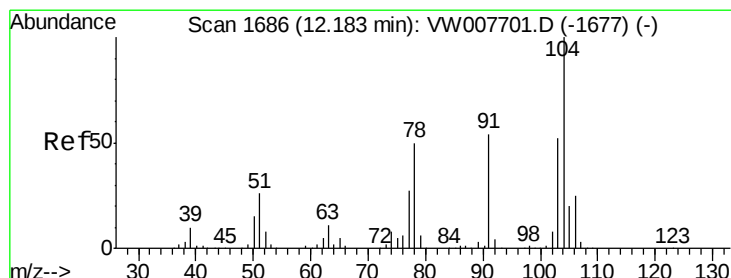
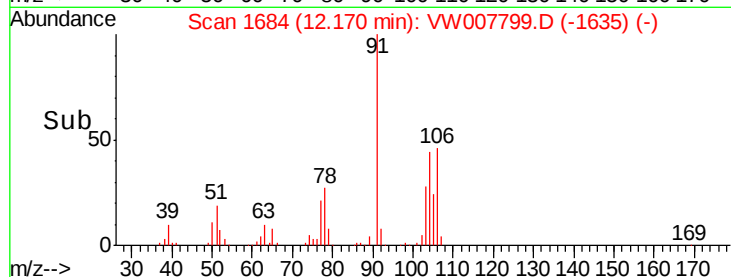
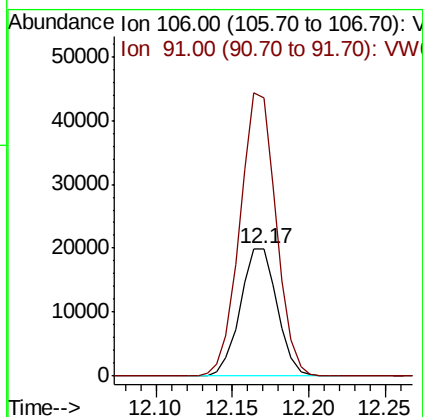
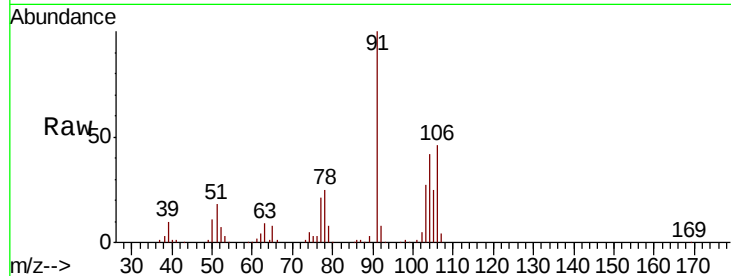




#69
o-Xylene
Concen: 20.687 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

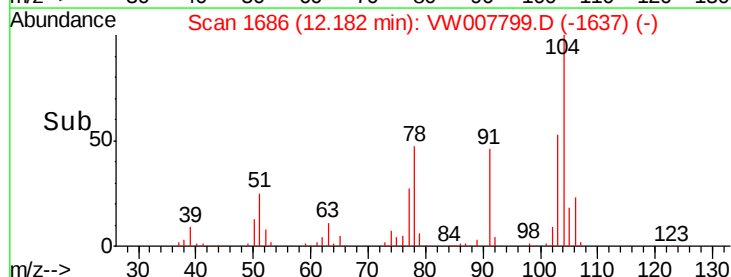
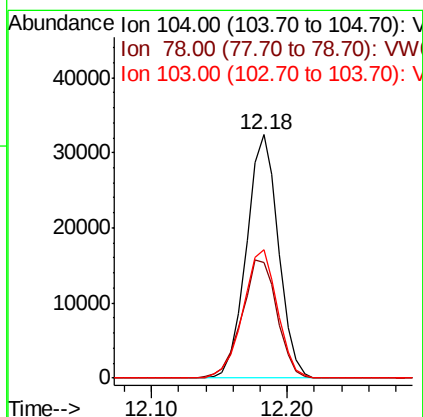
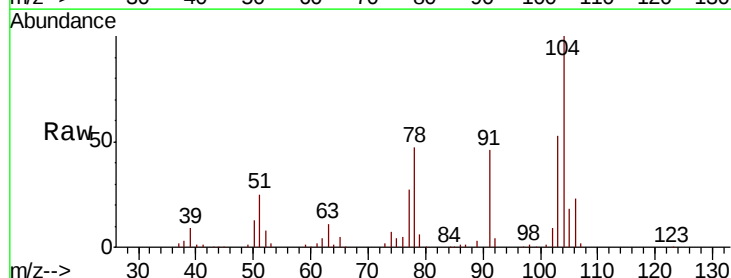
Instrument :
MSVOA_W
ClientSampleId :

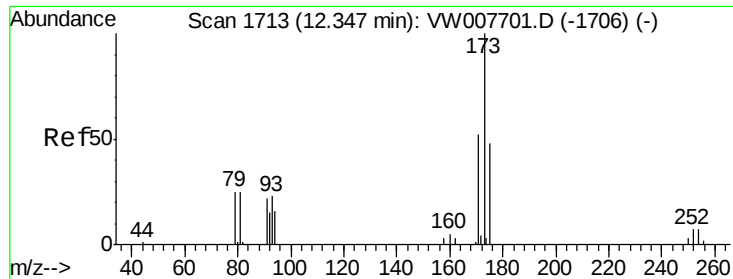
Tot Ion:106 Resp: 33322
Ion Ratio Lower Upper
106 100
91 217.9 110.5 331.4



#70
Styrene
Concen: 20.156 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:104 Resp: 53367
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 56.4 44.5 66.7

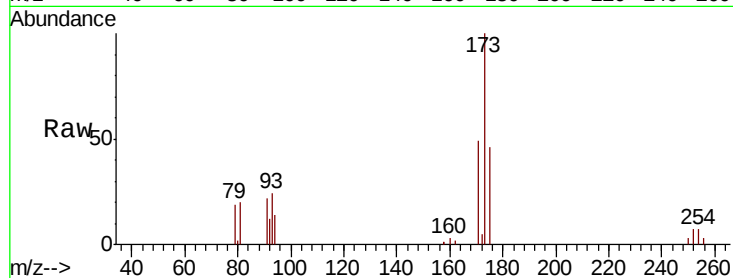




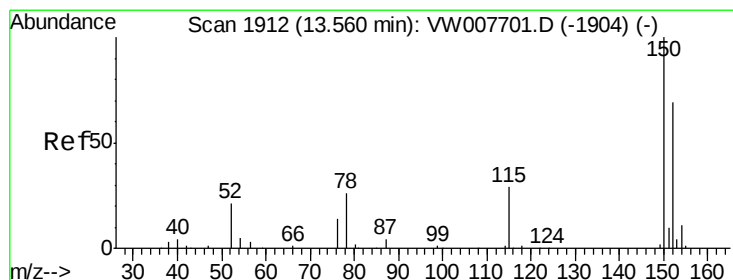
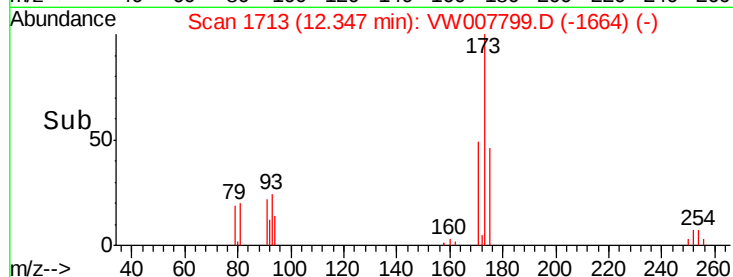
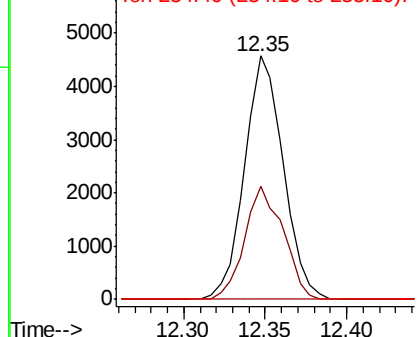
#71
Bromoform
Concen: 15.851 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 7590
Ion Ratio Lower Upper
173 100
175 46.0 23.9 71.7
254 0.0 0.0 0.0

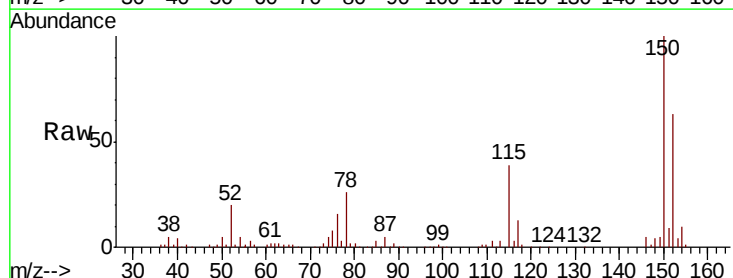


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

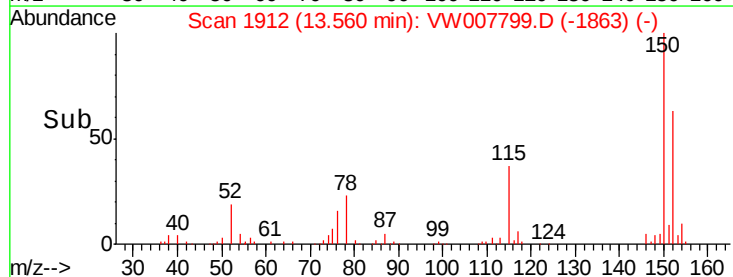
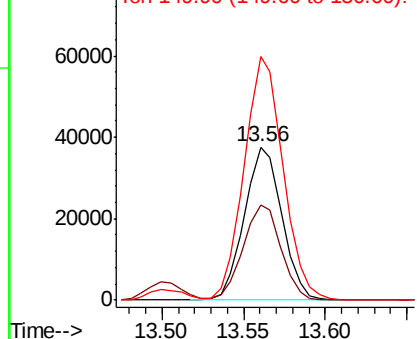


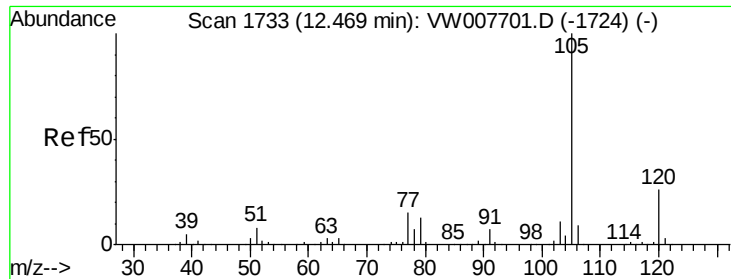
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:152 Resp: 60097
Ion Ratio Lower Upper
152 100
115 63.0 31.8 95.4
150 165.6 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: 20.551 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

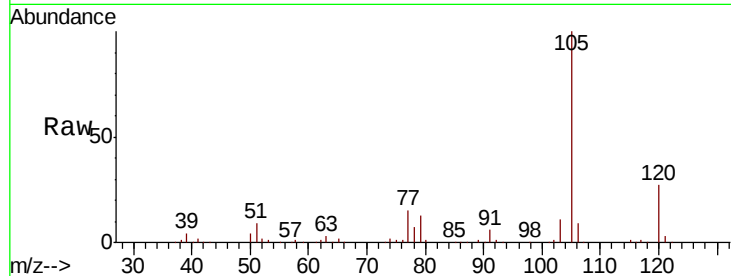
ClientSampleId :

Tot Ion:105 Resp: 93358

Ion Ratio Lower Upper

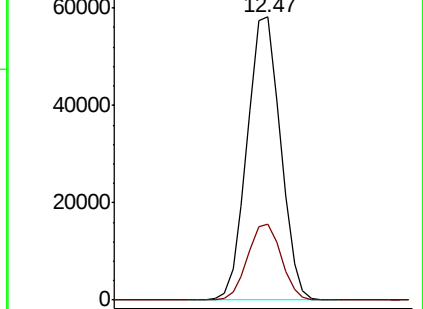
105 100

120 27.0 13.1 39.3

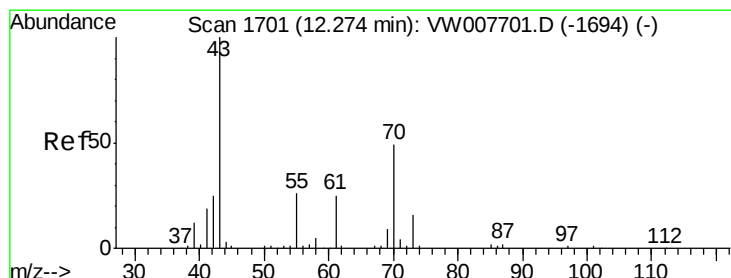
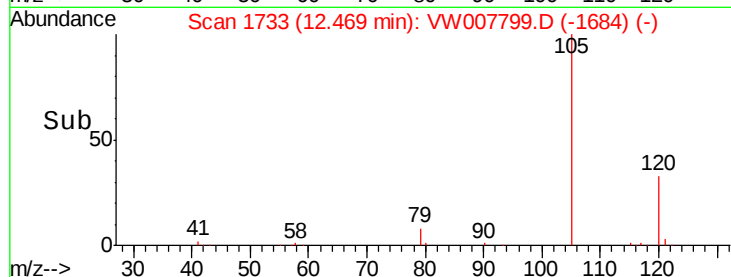


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.125 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion: 43 Resp: 16622

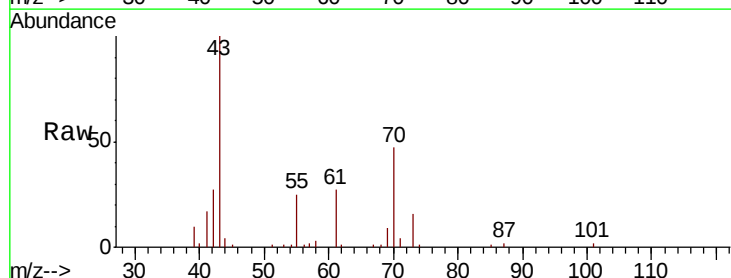
Ion Ratio Lower Upper

43 100

70 46.1 37.6 56.4

55 25.4 21.7 32.5

61 26.4 20.1 30.1

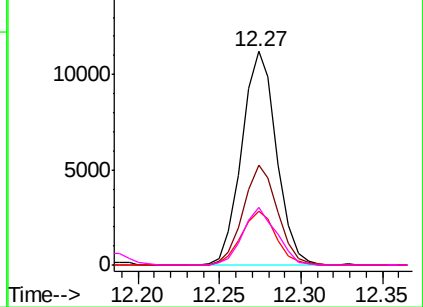


Abundance Ion 43.00 (42.70 to 43.70): VW

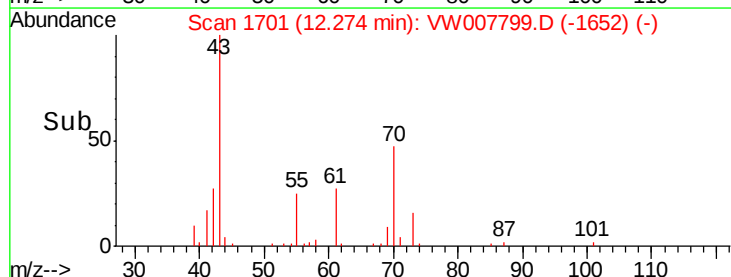
Ion 70.00 (69.70 to 70.70): VW

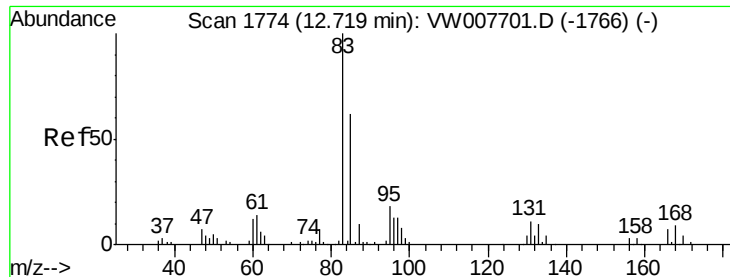
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.740 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

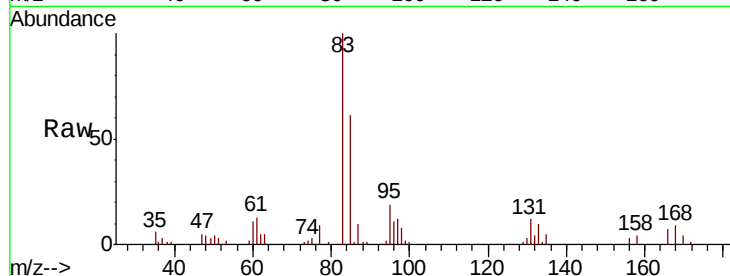
Tot Ion: 83 Resp: 13445

Ion Ratio Lower Upper

83 100

131 12.2 6.3 18.8

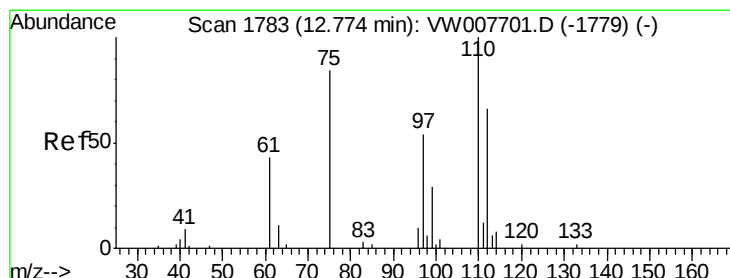
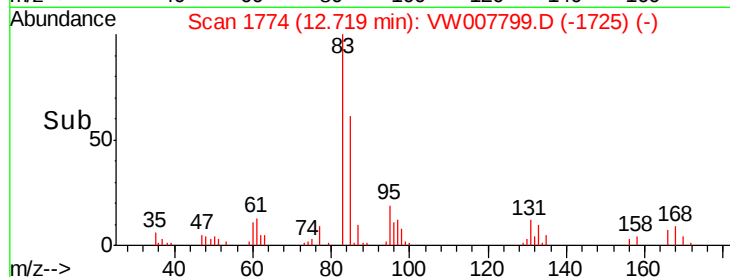
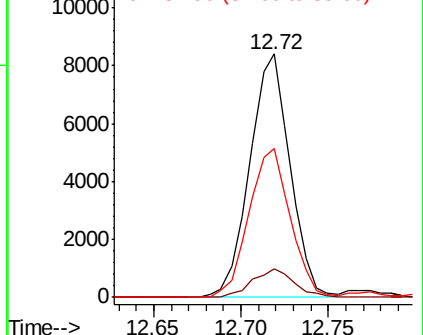
85 63.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.489 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007799.D

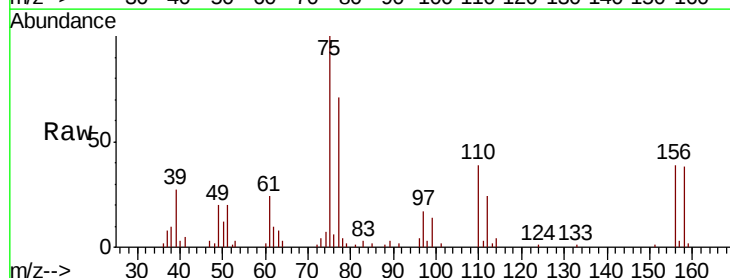
Acq: 21 Dec 2018 17:12

Tgt Ion: 75 Resp: 18807

Ion Ratio Lower Upper

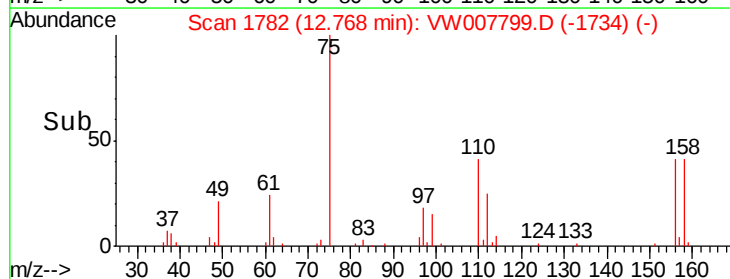
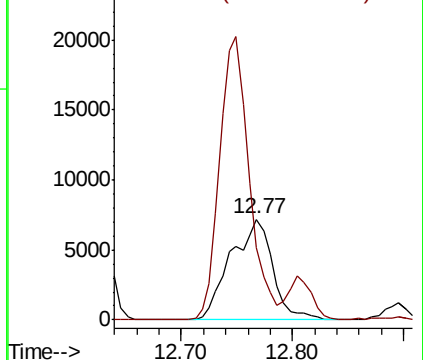
75 100

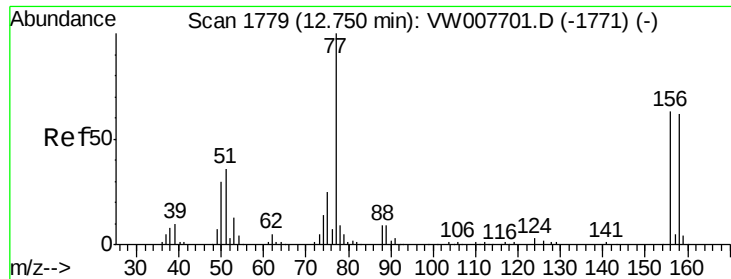
77 197.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.793 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

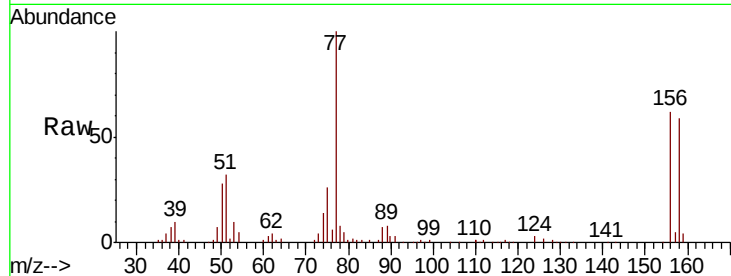
Tot Ion:156 Resp: 20606

Ion Ratio Lower Upper

156 100

77 180.6 87.4 262.1

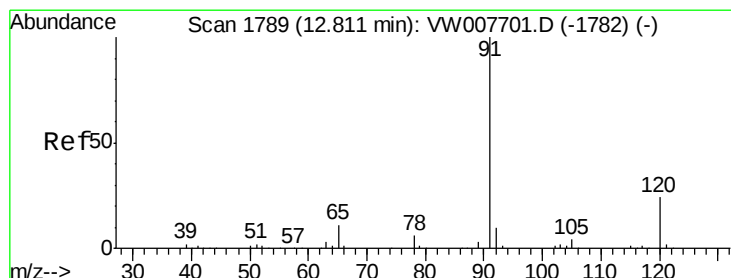
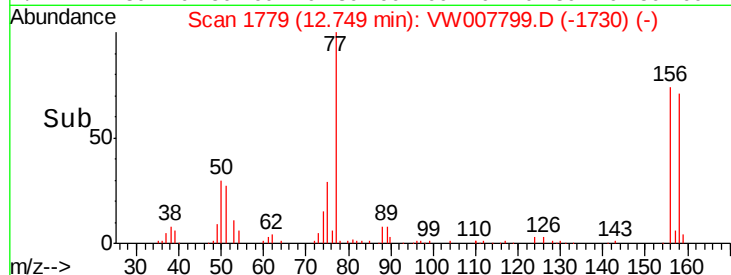
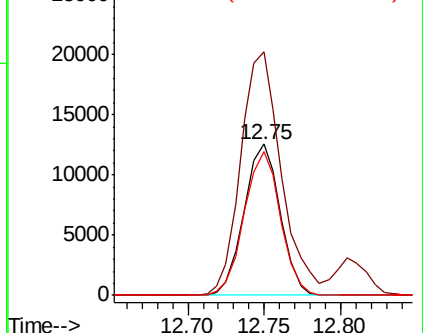
158 95.3 48.4 145.0



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: 20.566 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007799.D

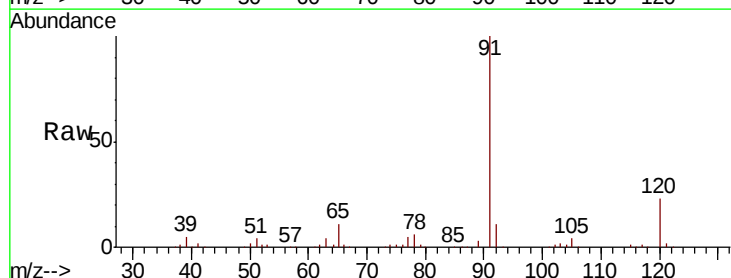
Acq: 21 Dec 2018 17:12

Tgt Ion: 91 Resp: 108752

Ion Ratio Lower Upper

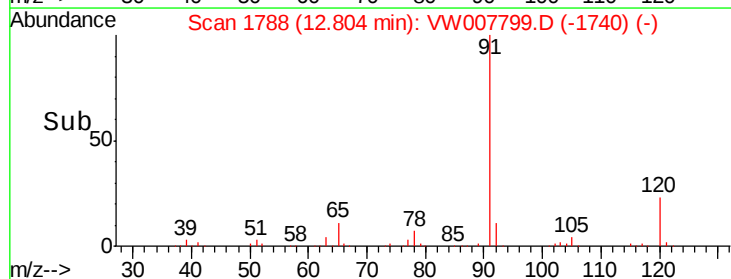
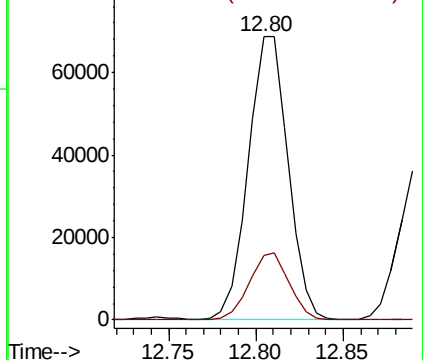
91 100

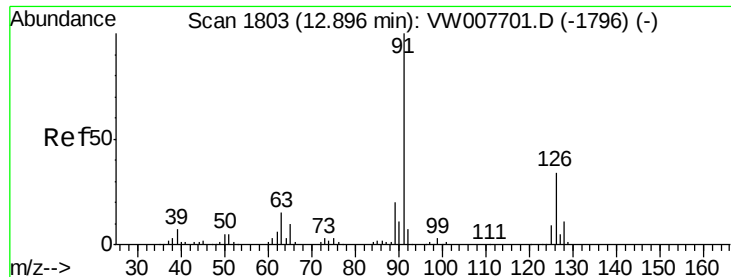
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.485 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

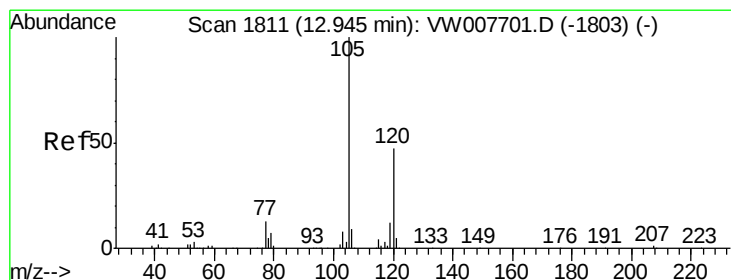
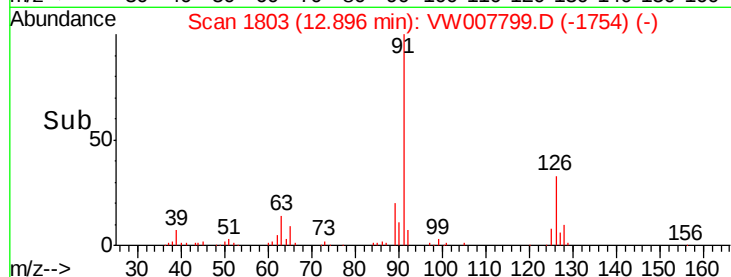
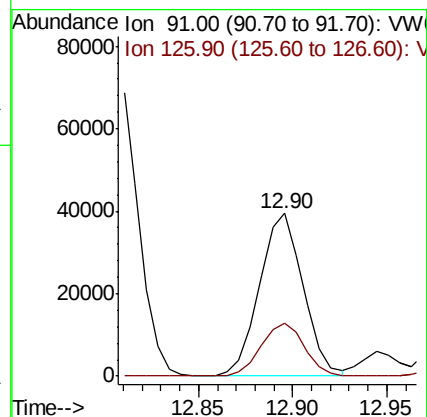
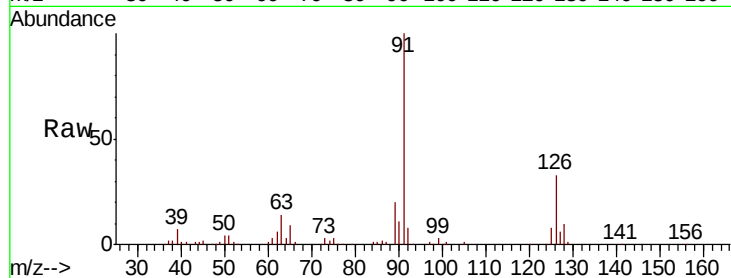
ClientSampled :

Tot Ion: 91 Resp: 63103

Ion Ratio Lower Upper

91 100

126 32.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.809 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007799.D

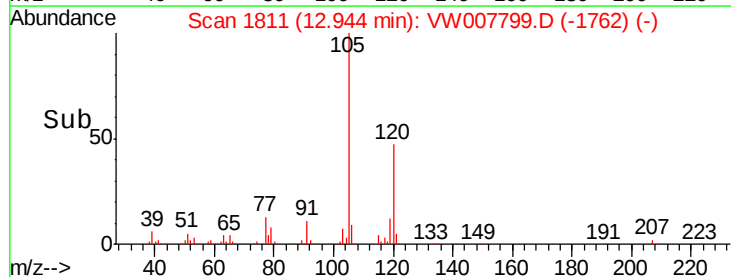
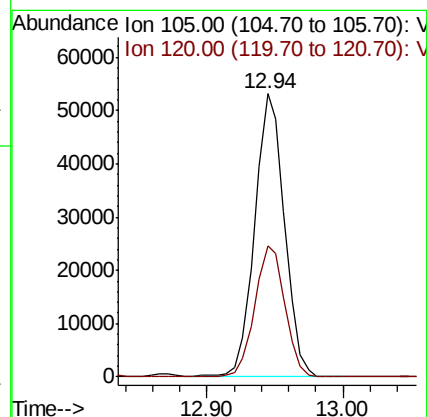
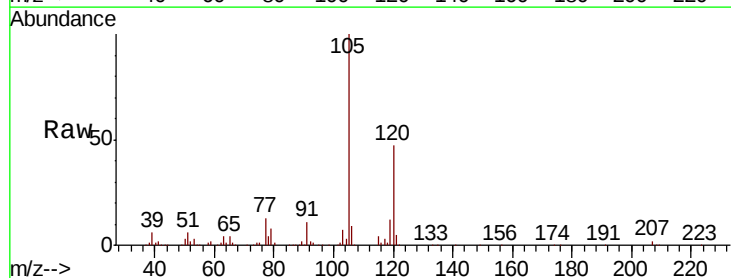
Acq: 21 Dec 2018 17:12

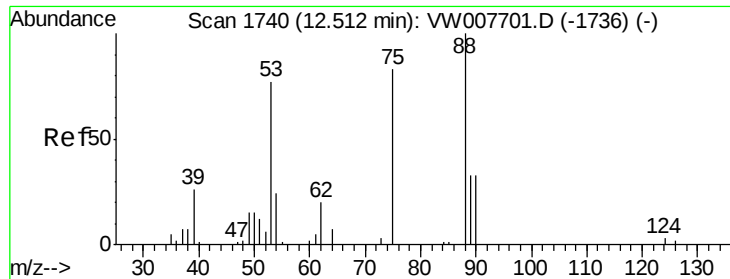
Tgt Ion:105 Resp: 81536

Ion Ratio Lower Upper

105 100

120 47.1 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.890 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

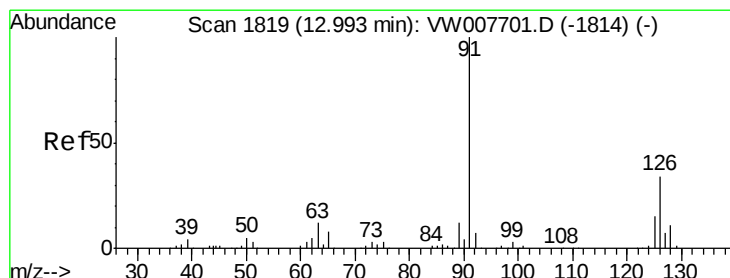
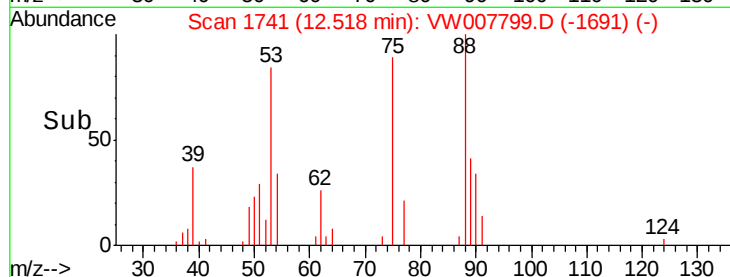
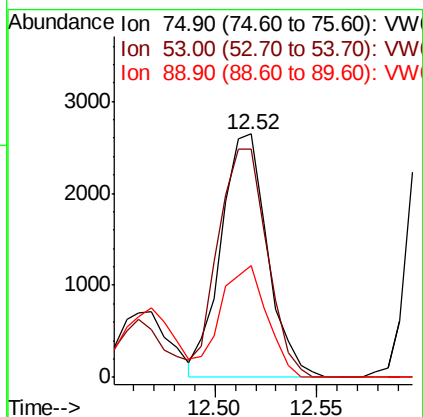
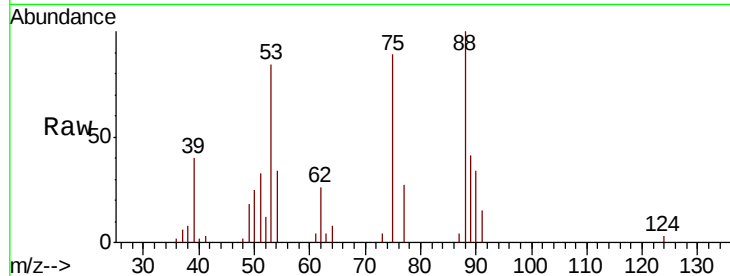
Tot Ion: 75 Resp: 4180

Ion Ratio Lower Upper

75 100

53 99.1 80.2 120.2

89 46.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.406 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007799.D

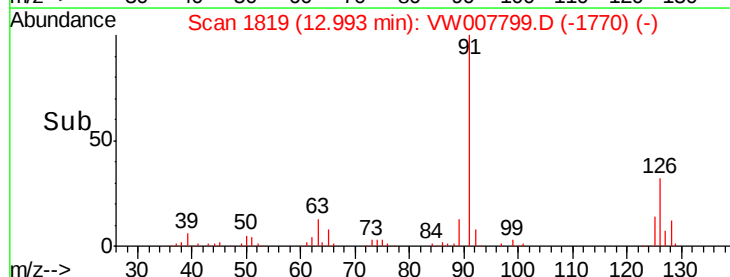
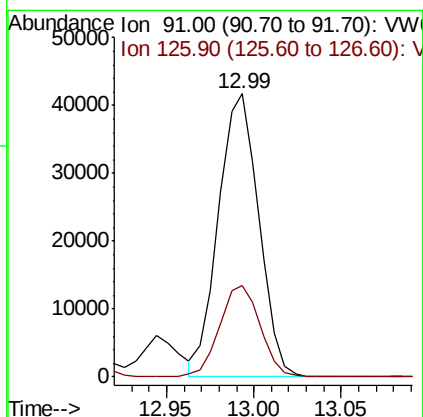
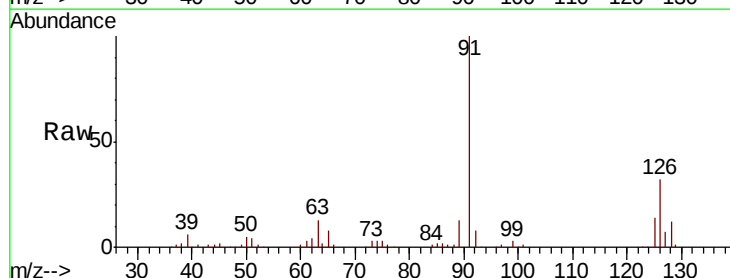
Acq: 21 Dec 2018 17:12

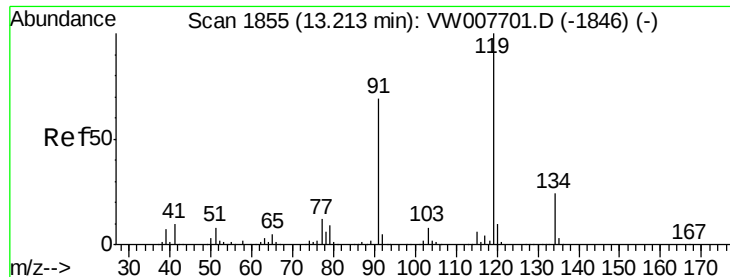
Tgt Ion: 91 Resp: 66931

Ion Ratio Lower Upper

91 100

126 32.4 16.5 49.5

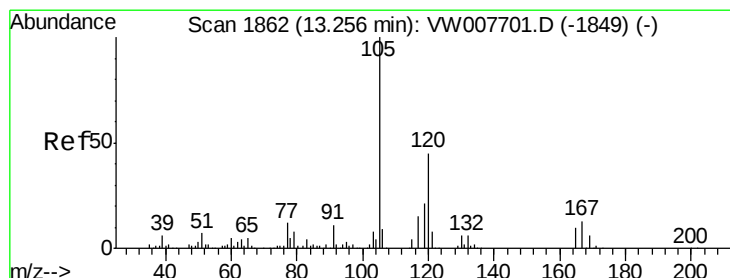
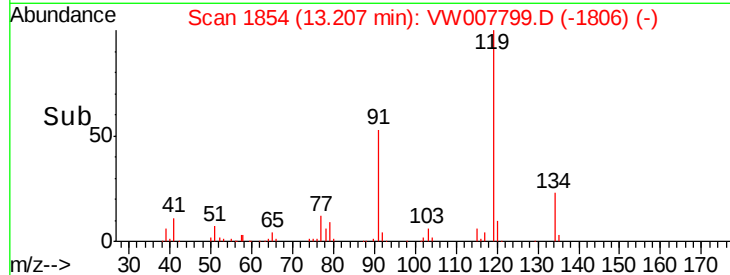
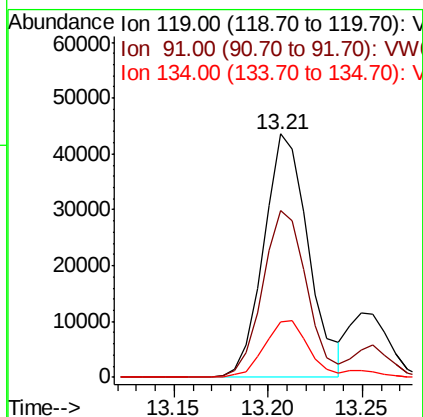
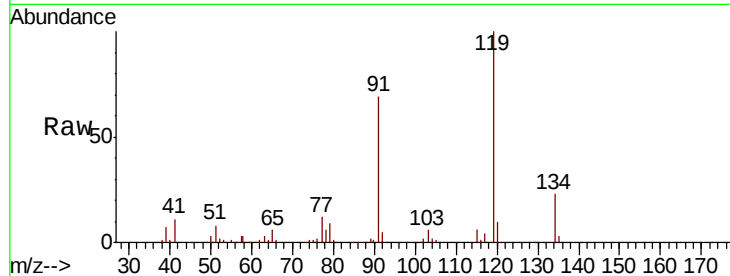




#83
tert-Butylbenzene
Concen: 20.870 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

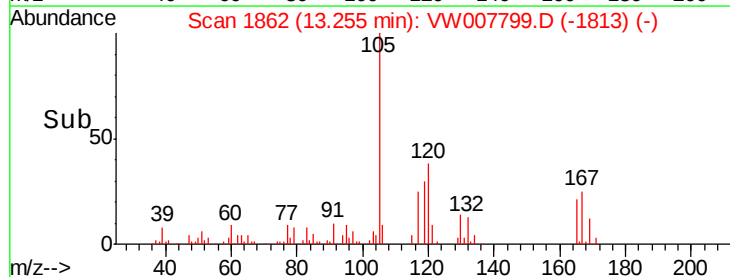
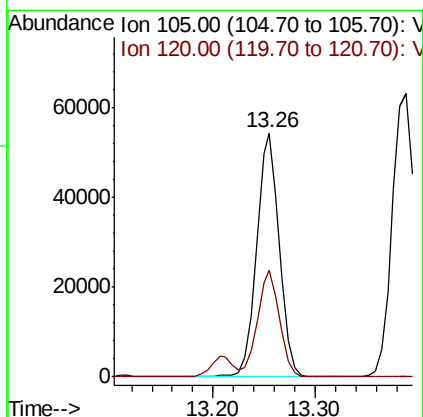
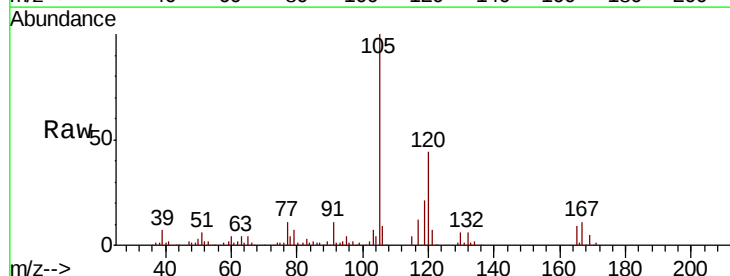
Instrument :
MSVOA_W
ClientSampled :

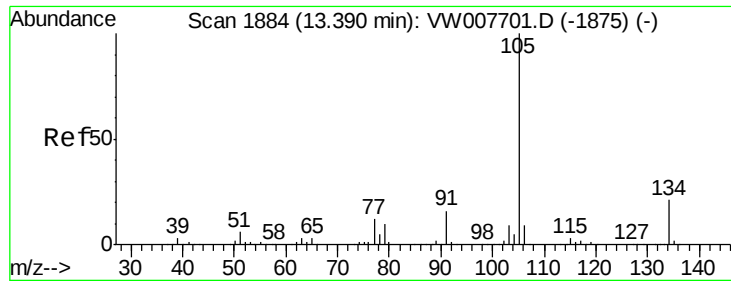
Tot Ion:119 Resp: 71754
Ion Ratio Lower Upper
119 100
91 67.5 34.2 102.5
134 25.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.320 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:105 Resp: 84298
Ion Ratio Lower Upper
105 100
120 42.7 22.0 66.0

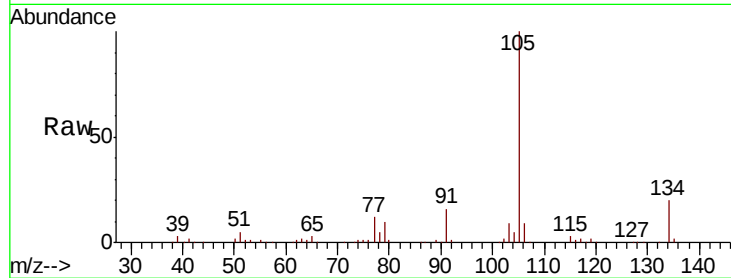




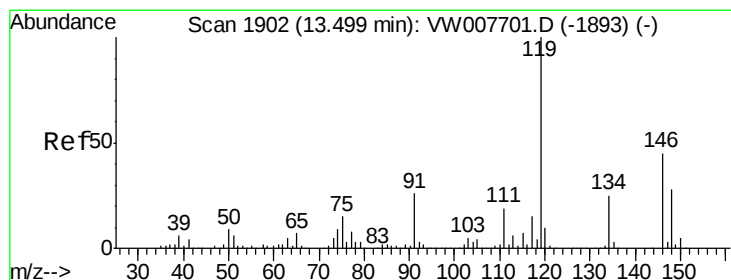
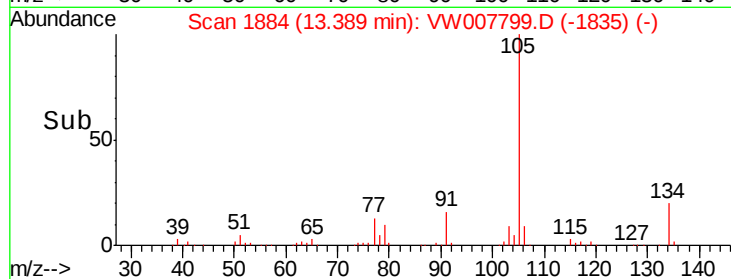
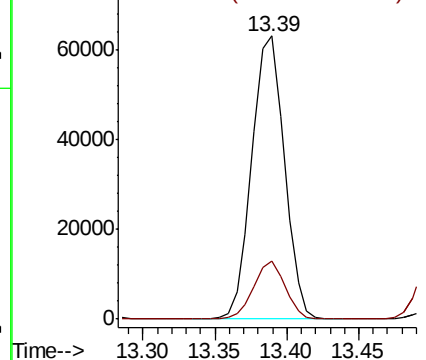
#85
 sec-Butylbenzene
 Concen: 20.856 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 98822
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4

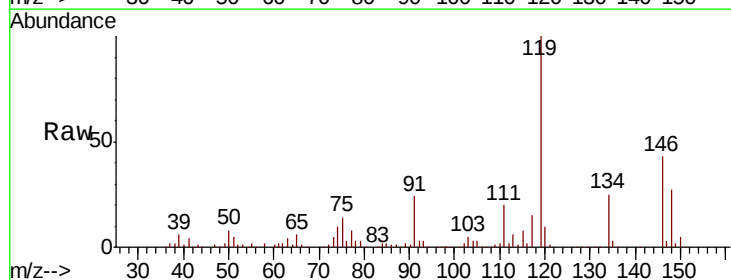


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

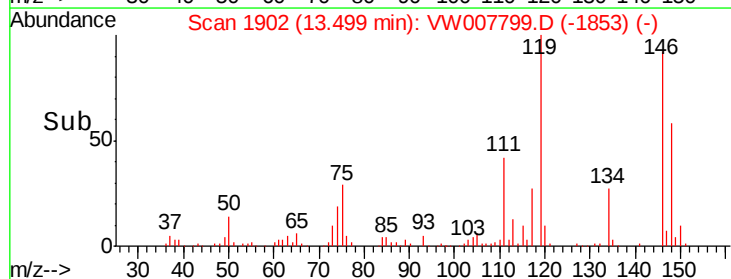
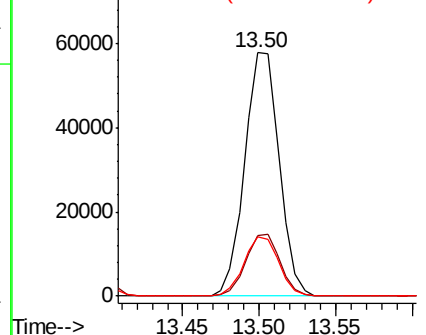


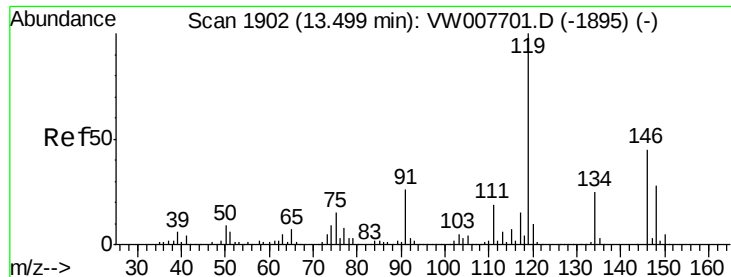
#86
 p-Isopropyltoluene
 Concen: 21.039 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion:119 Resp: 90649
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 24.6 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

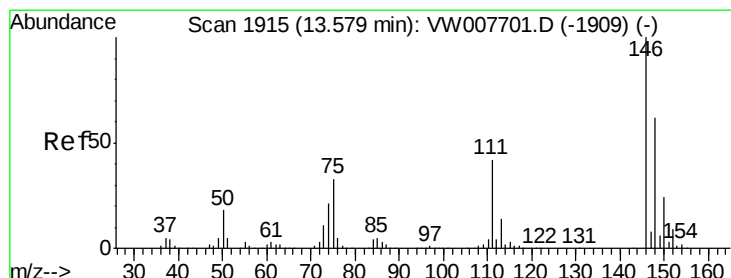
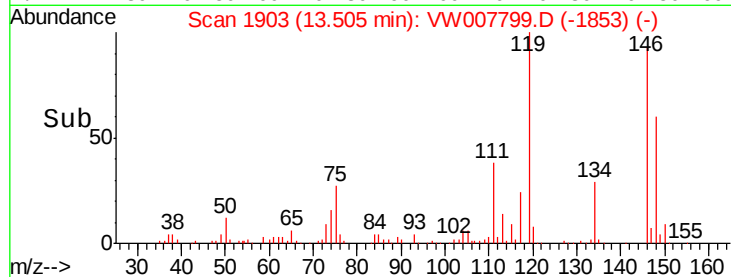
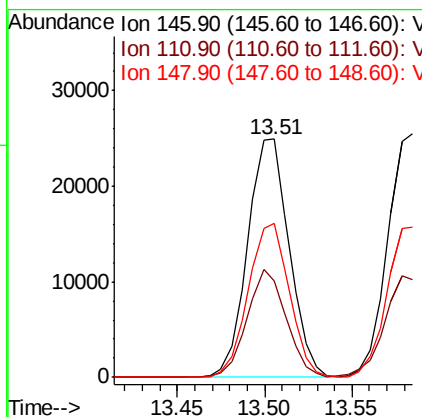
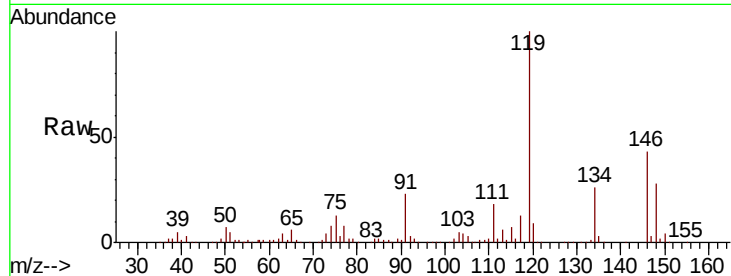




#87
 1,3-Dichlorobenzene
 Concen: 19.930 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

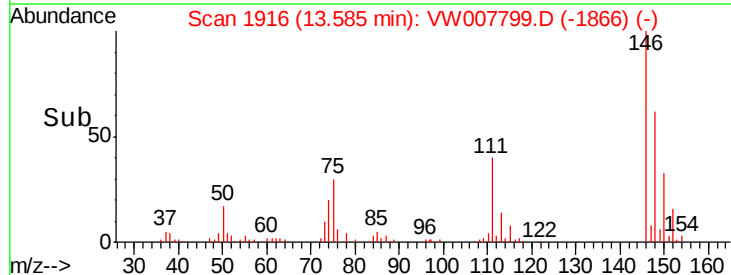
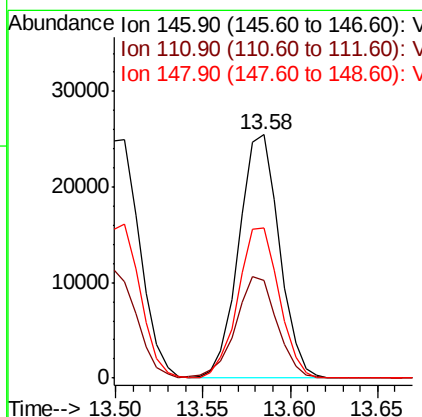
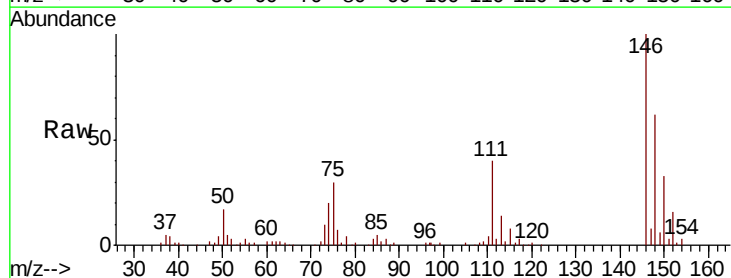
Instrument :
 MSVOA_W
 ClientSampleId :

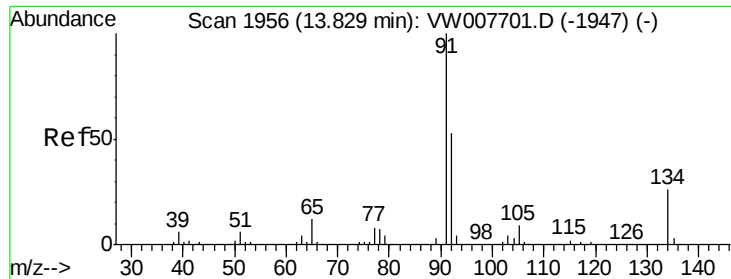
Tot Ion:146 Resp: 41196
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.4
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion:146 Resp: 41100
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 62.7 31.8 95.4





#89

n-Butylbenzene

Concen: 21.161 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

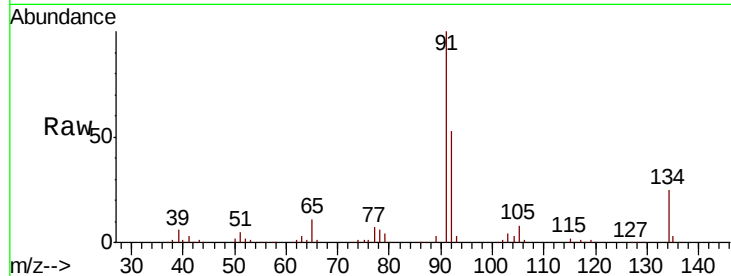
Tot Ion: 91 Resp: 83596

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.2

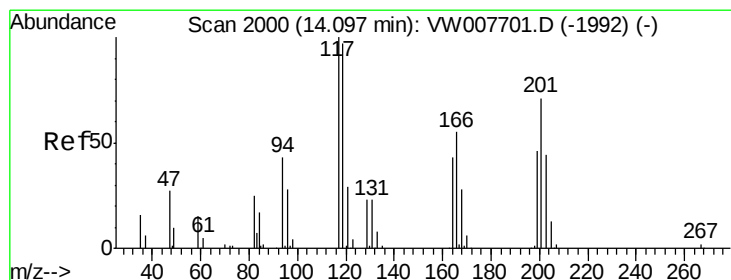
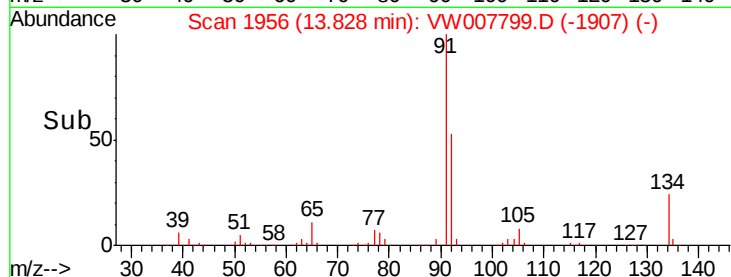
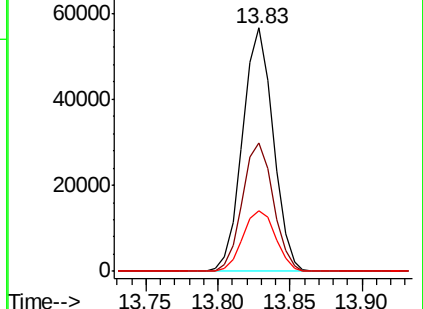
134 26.6 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 16.597 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007799.D

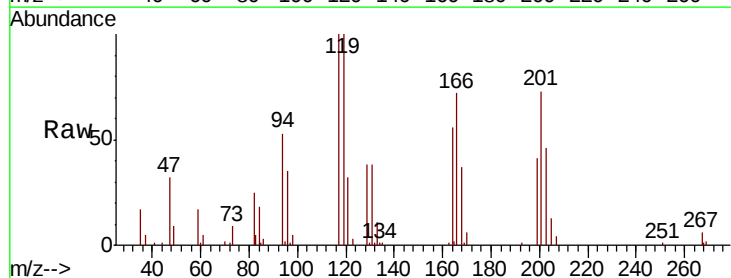
Acq: 21 Dec 2018 17:12

Tgt Ion: 117 Resp: 12554

Ion Ratio Lower Upper

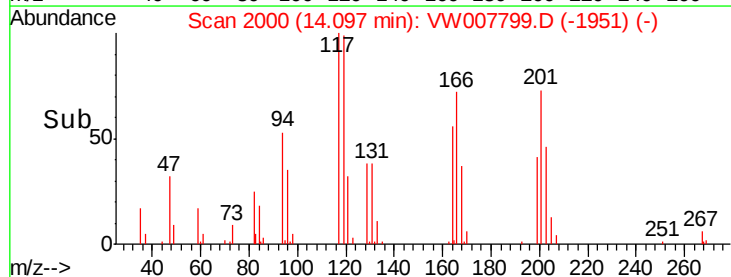
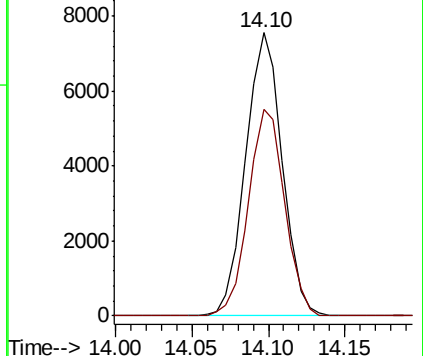
117 100

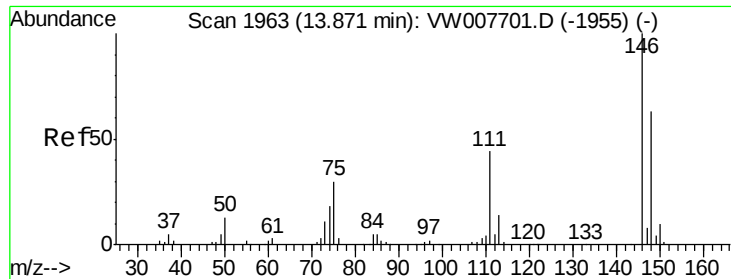
201 72.3 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.816 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

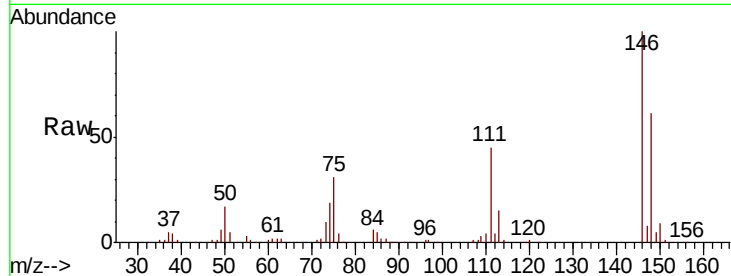
Tot Ion:146 Resp: 36673

Ion Ratio Lower Upper

146 100

111 43.6 21.7 65.1

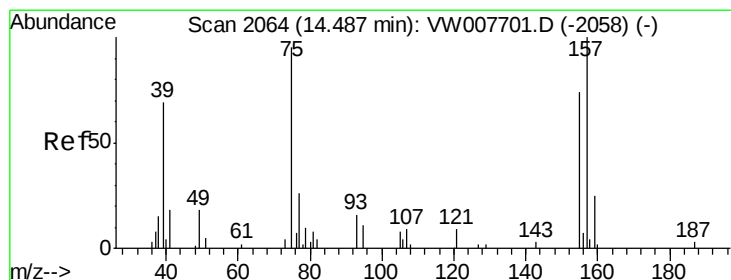
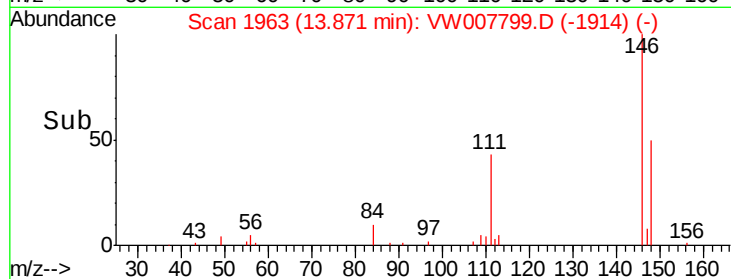
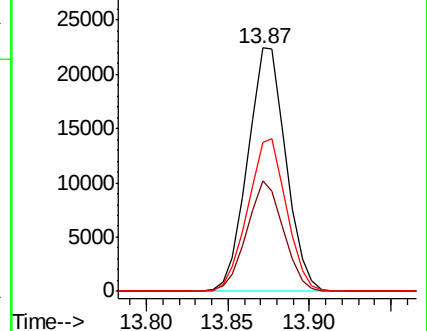
148 63.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.779 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

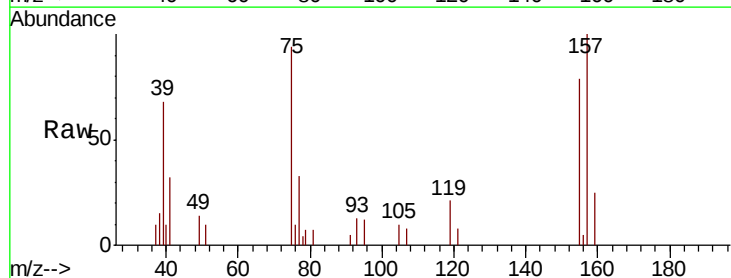
Tgt Ion: 75 Resp: 2347

Ion Ratio Lower Upper

75 100

155 88.2 39.4 118.1

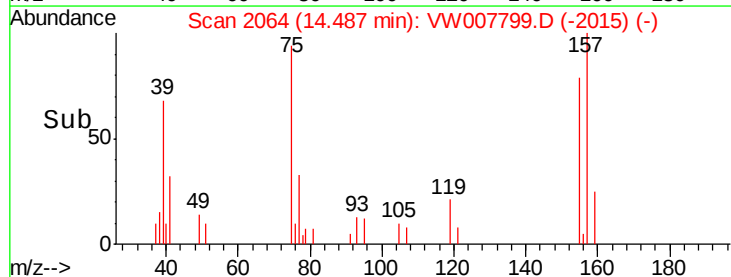
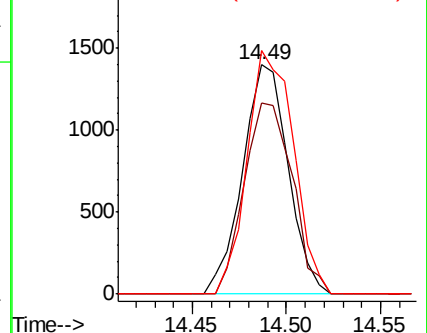
157 108.0 52.0 156.0

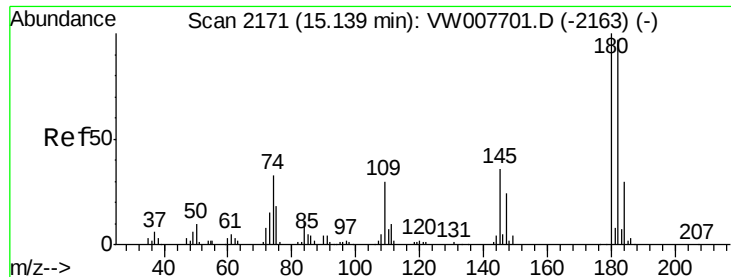


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

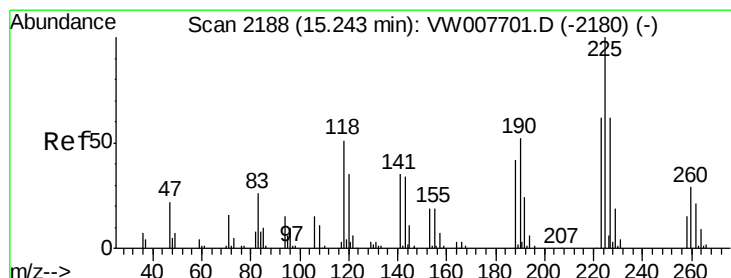
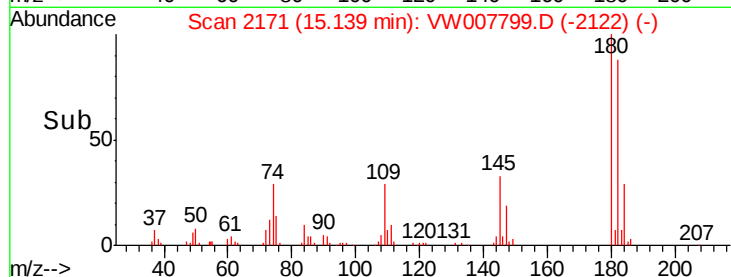
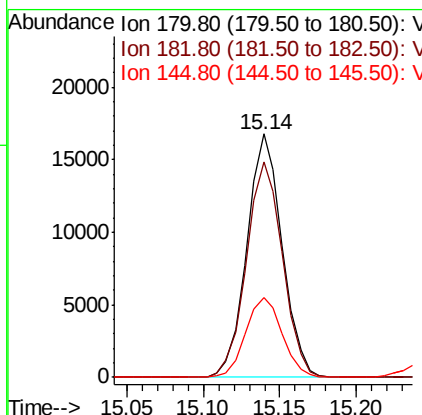
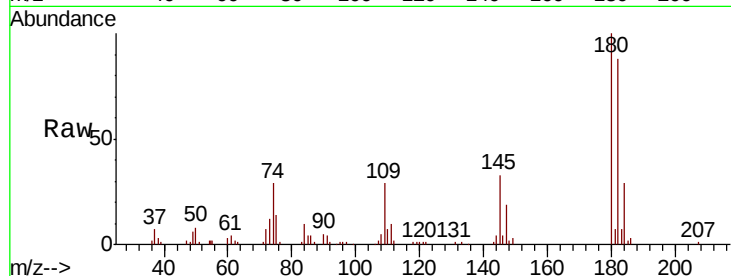




#93
 1,2,4-Trichlorobenzene
 Concen: 20.894 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

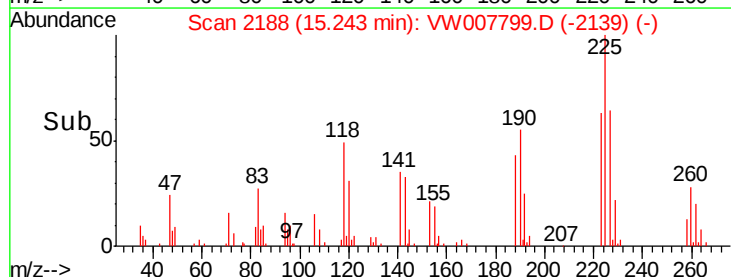
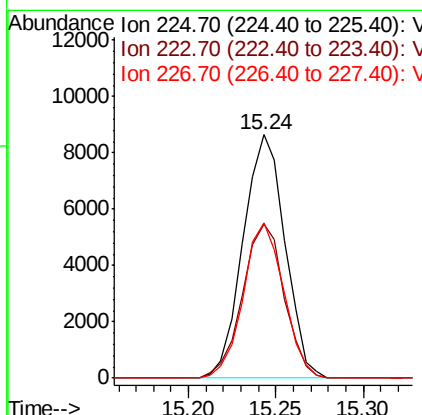
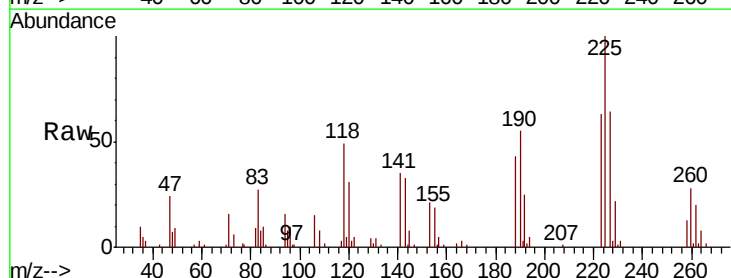
Instrument :
 MSVOA_W
 ClientSampled :

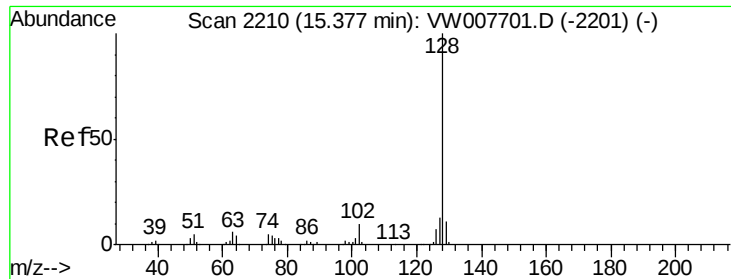
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.5	142.6
145	33.8	17.5	52.5



#94
 Hexachlorobutadiene
 Concen: 20.938 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.8
227	61.5	32.1	96.3

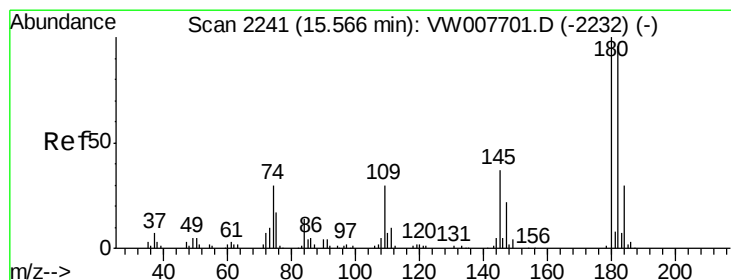
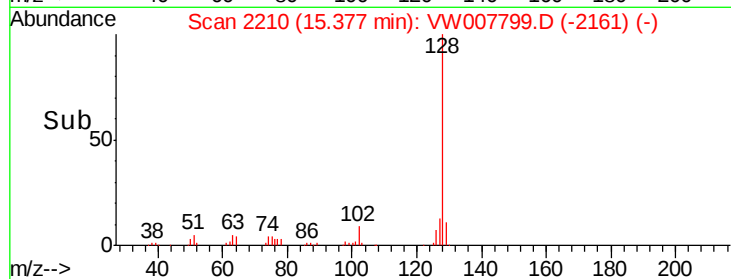
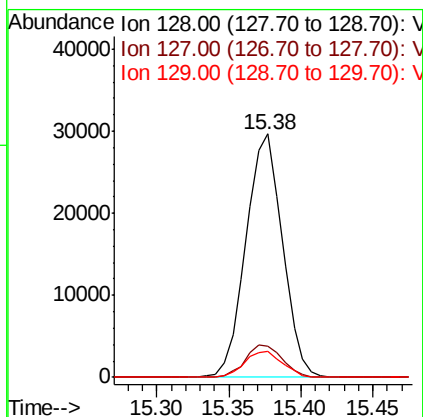
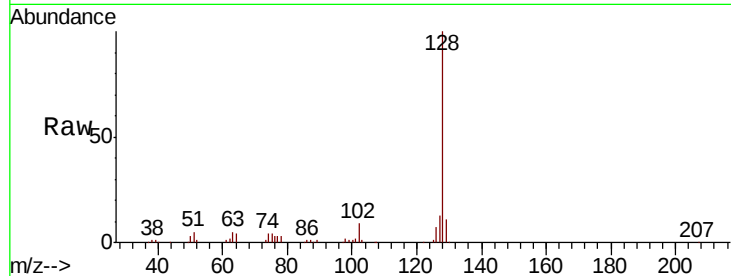




#95
Naphthalene
Concen: 21.922 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 52067
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.376 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:180 Resp: 22407
Ion Ratio Lower Upper
180 100
182 93.0 47.4 142.2
145 37.1 18.4 55.0

