

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003872.D
 Acq On : 11 Jul 2018 19:15
 Operator : SY/AP
 Sample : VW0711SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129273	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	112053	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.33	98	440385	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	158326	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	19686	18.760	ug/l	98
3) Chloromethane	2.21	50	40930	20.545	ug/l	97
4) Vinyl Chloride	2.36	62	53405	20.325	ug/l	95
5) Bromomethane	2.78	94	37619	20.282	ug/l	96
6) Chloroethane	2.92	64	32772	20.797	ug/l	99
7) Trichlorofluoromethane	3.25	101	23592	22.226	ug/l	98
8) Diethyl Ether	3.67	74	24023	22.083	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47394	22.959	ug/l	98
10) Methyl Iodide	4.26	142	65922	21.454	ug/l	98
11) Tert butyl alcohol	5.23	59	13435	87.861	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	46386	22.885	ug/l	97
13) Acrolein	3.90	56	17887	78.093	ug/l	99
14) Allyl chloride	4.65	41	77591	22.018	ug/l	99
15) Acrylonitrile	5.38	53	53897	98.937	ug/l	99
16) Acetone	4.14	43	51561	105.325	ug/l	98
17) Carbon Disulfide	4.37	76	144786	21.789	ug/l	99
18) Methyl Acetate	4.68	43	26236	19.009	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	83732	19.992	ug/l	97
20) Methylene Chloride	4.91	84	72861	28.670	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	50695	21.127	ug/l	95
22) Diisopropyl ether	6.31	45	161413	20.835	ug/l	98
23) Vinyl Acetate	6.26	43	473017	100.019	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95321	20.343	ug/l	99
25) 2-Butanone	7.18	43	73190	95.454	ug/l	98
26) 2,2-Dichloropropane	7.17	77	55324	21.769	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	53544	20.179	ug/l	99
28) Bromochloromethane	7.51	49	42011	20.126	ug/l	100
29) Tetrahydrofuran	7.54	42	46458	94.254	ug/l	98
30) Chloroform	7.67	83	97587	20.416	ug/l	96
31) Cyclohexane	7.96	56	86430	20.991	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	75388	20.723	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77167	21.701	ug/l	100
37) Ethyl Acetate	7.26	43	33513	19.370	ug/l	99
38) Carbon Tetrachloride	8.07	117	72302	21.386	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86537	22.220	ug/l	97
40) Benzene	8.32	78	217398	21.385	ug/l	98
41) Methacrylonitrile	7.49	41	18511	18.599	ug/l	97
42) 1,2-Dichloroethane	8.40	62	67827	20.616	ug/l	99
43) Isopropyl Acetate	8.43	43	62957	19.199	ug/l	99
44) Trichloroethene	9.09	130	54198	21.148	ug/l	97
45) 1,2-Dichloropropane	9.37	63	55338	20.936	ug/l	99
46) Dibromomethane	9.46	93	28093	20.213	ug/l	99
47) Bromodichloromethane	9.65	83	70342	20.573	ug/l	99
48) Methyl methacrylate	9.44	41	29643	18.982	ug/l	95
49) 1,4-Dioxane	9.48	88	7714	371.364	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	164862	97.156	ug/l	100
52) Toluene	10.39	92	137009	21.735	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	68758	20.141	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	79820	20.712	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38494	19.942	ug/l	96
56) Ethyl methacrylate	10.65	69	46064	19.555	ug/l	98
57) 1,3-Dichloropropane	10.93	76	67832	20.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	101398	90.617	ug/l	99
59) 2-Hexanone	10.98	43	114297	98.090	ug/l	96
60) Dibromochloromethane	11.13	129	44269	19.646	ug/l	99
61) 1,2-Dibromoethane	11.24	107	37190	20.146	ug/l	98
64) Tetrachloroethene	10.87	164	46500	20.141	ug/l	98
65) Chlorobenzene	11.66	112	146669	21.317	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	50256	20.902	ug/l	97
67) Ethyl Benzene	11.74	91	256243	21.780	ug/l	100
68) m/p-Xylenes	11.84	106	196680	43.656	ug/l	99
69) o-Xylene	12.17	106	90421	21.751	ug/l	99
70) Styrene	12.19	104	154762	21.893	ug/l	99
71) Bromoform	12.35	173	26516	19.983	ug/l #	97
73) Isopropylbenzene	12.47	105	251176	21.921	ug/l	100
74) N-amyl acetate	12.28	43	60839	19.589	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47348	20.384	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	62635	37.699	ug/l #	100
77) Bromobenzene	12.75	156	59667	20.976	ug/l	98
78) n-propylbenzene	12.81	91	319056	22.182	ug/l	100
79) 2-Chlorotoluene	12.90	91	178422	21.592	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	220760	22.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14007	20.623	ug/l	97
82) 4-Chlorotoluene	12.99	91	194056	21.839	ug/l	99
83) tert-Butylbenzene	13.21	119	180791	22.198	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	225734	22.003	ug/l	99
85) sec-Butylbenzene	13.39	105	271103	22.251	ug/l	99
86) p-Isopropyltoluene	13.51	119	235814	22.150	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	122728	21.295	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	121935	21.040	ug/l	99
89) n-Butylbenzene	13.83	91	231502	22.106	ug/l	99
90) Hexachloroethane	14.10	117	43298	21.113	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	110055	21.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7751	19.277	ug/l	97

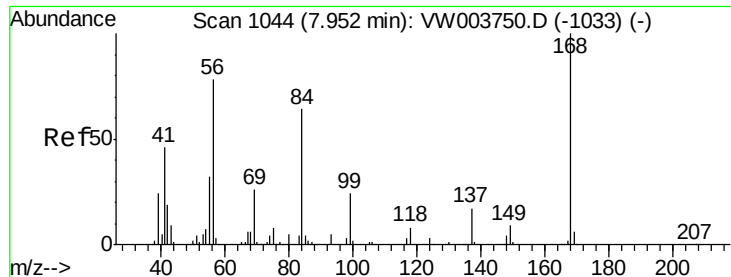
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75027	21.368	ug/l	99
94) Hexachlorobutadiene	15.24	225	42788	21.305	ug/l	98
95) Naphthalene	15.38	128	129012	20.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	68412	21.760	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

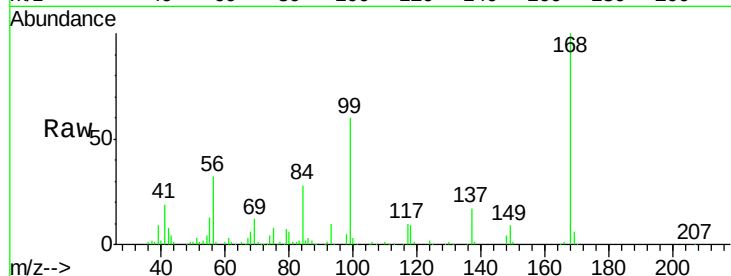
ClientSampleId :

Tot Ion:168 Resp: 215767

Ion Ratio Lower Upper

168 100

99 60.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

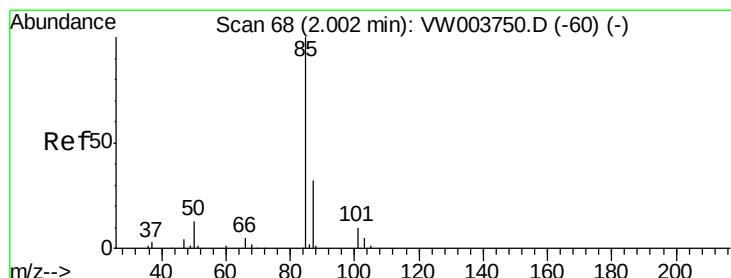
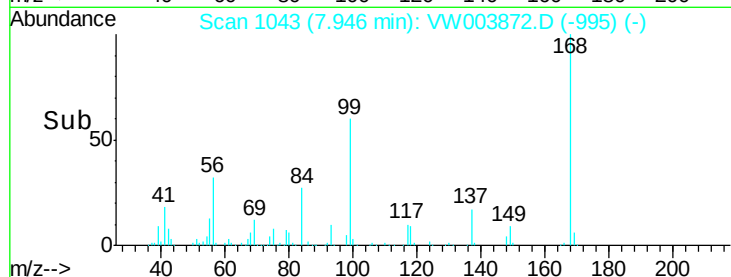
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.760 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003872.D

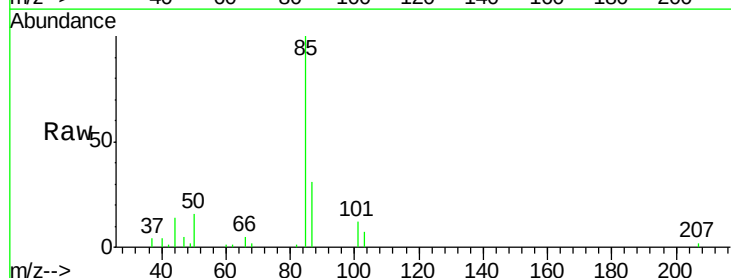
Acq: 11 Jul 2018 19:15

Tgt Ion: 85 Resp: 19686

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

6000

4000

2000

0

1.90

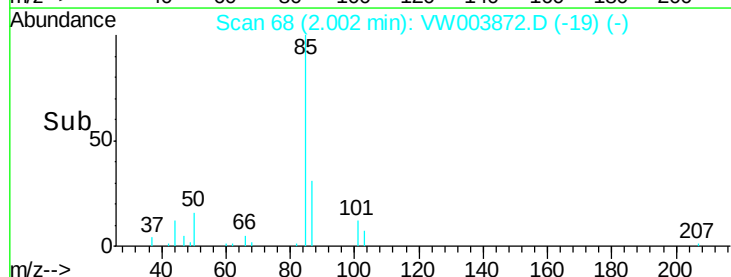
1.95

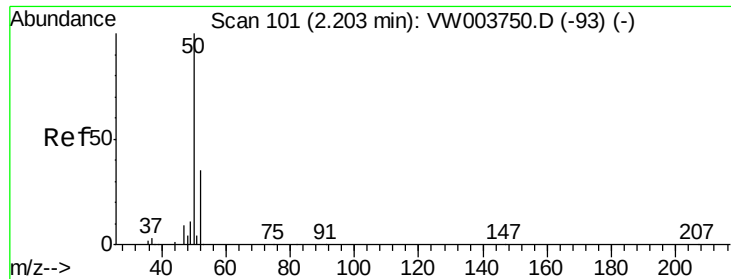
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.545 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

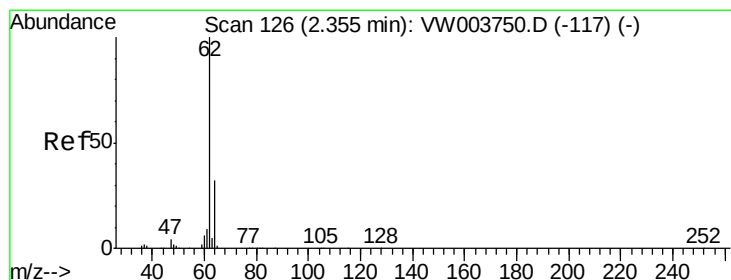
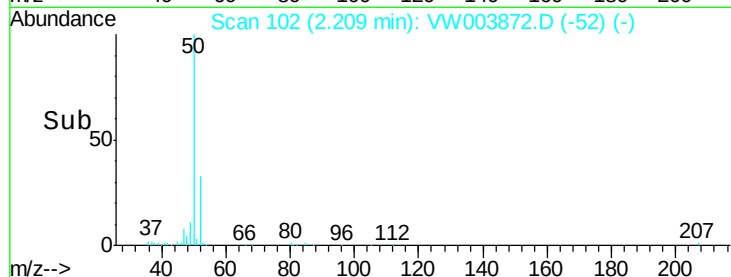
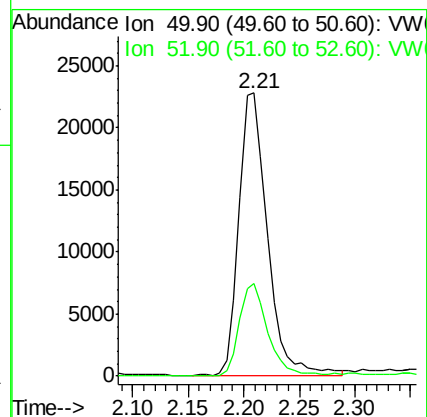
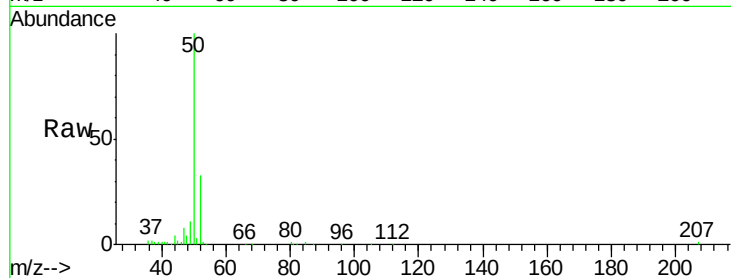
ClientSampled :

Tot Ion: 50 Resp: 40930

Ion Ratio Lower Upper

50 100

52 32.8 27.8 41.6



#4

Vinyl Chloride

Concen: 20.325 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003872.D

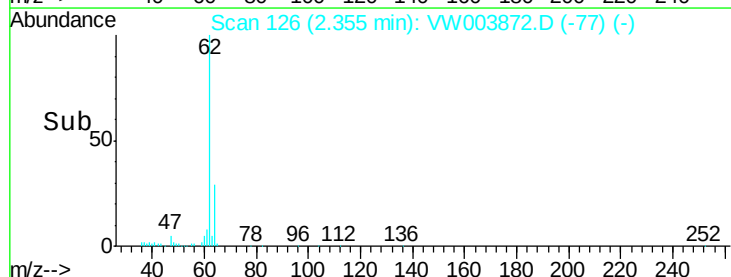
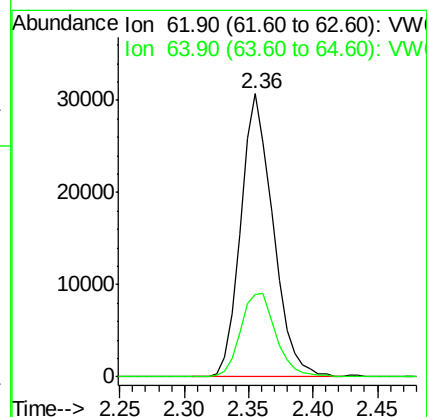
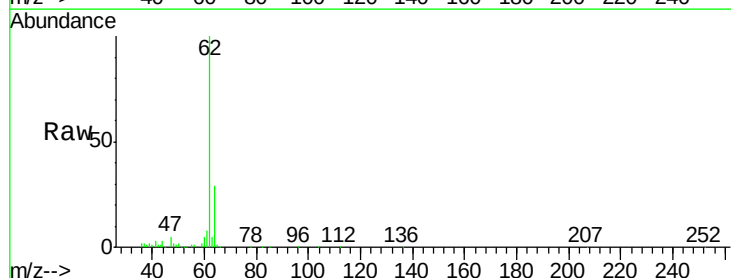
Acq: 11 Jul 2018 19:15

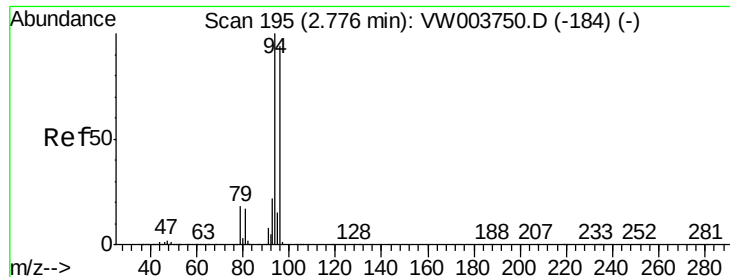
Tgt Ion: 62 Resp: 53405

Ion Ratio Lower Upper

62 100

64 29.2 25.8 38.8





#5

Bromomethane

Concen: 20.282 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

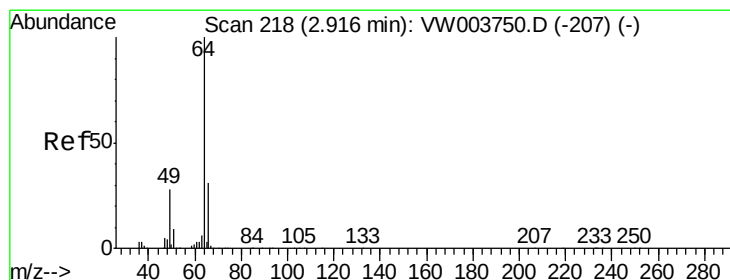
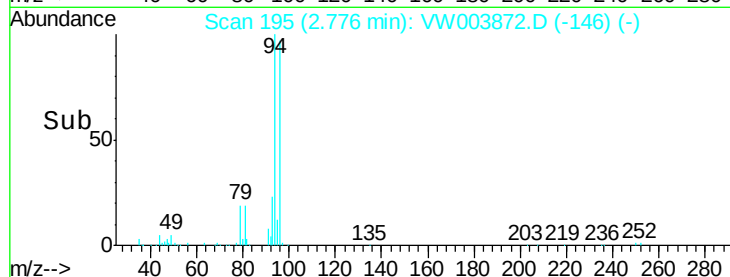
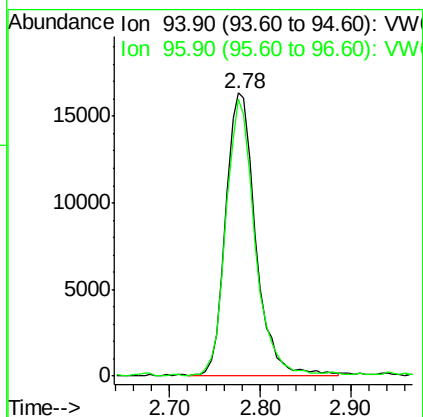
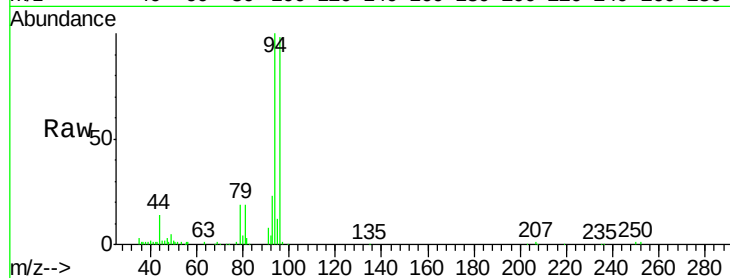
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 37619

Ion Ratio Lower Upper

94 100

96 97.6 74.8 112.2



#6

Chloroethane

Concen: 20.797 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003872.D

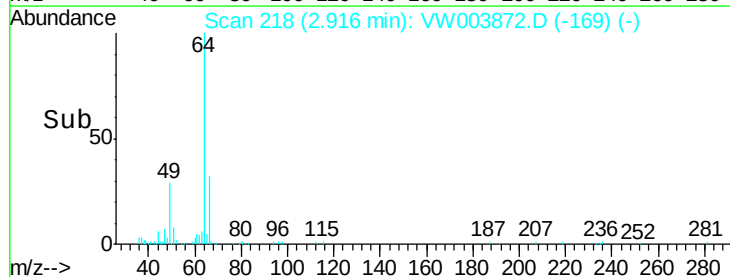
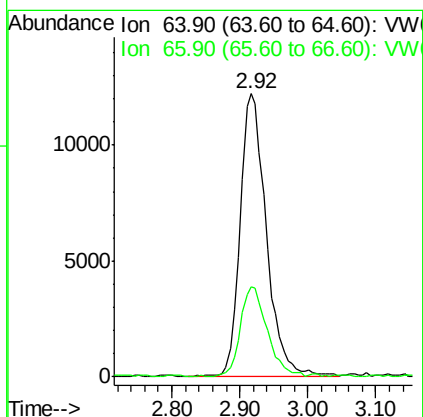
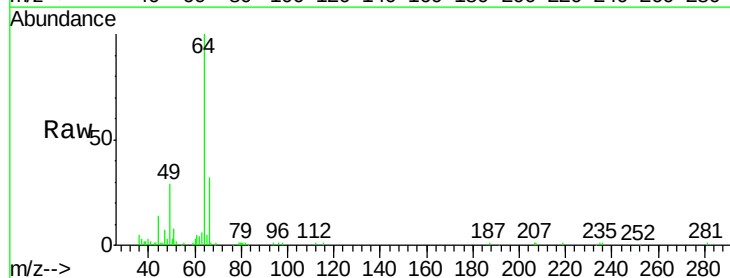
Acq: 11 Jul 2018 19:15

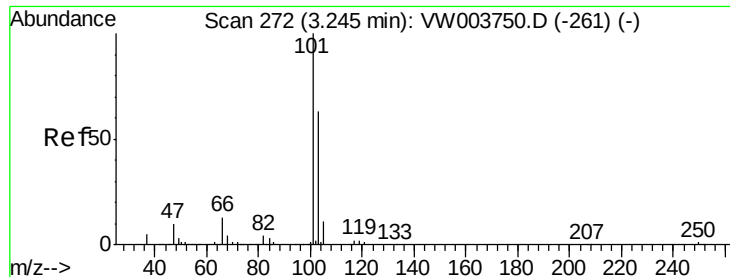
Tgt Ion: 64 Resp: 32772

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



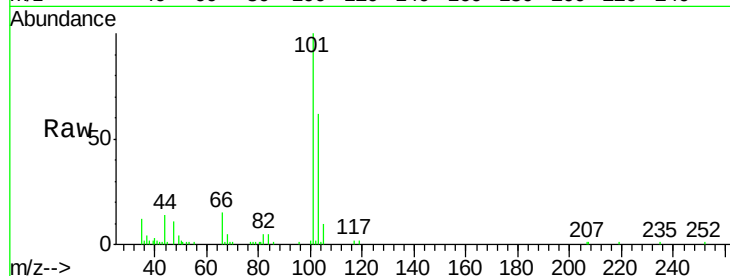


#7

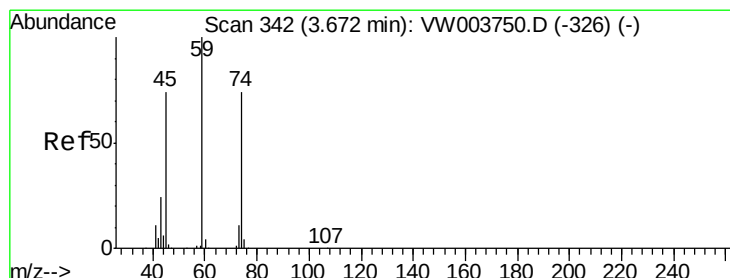
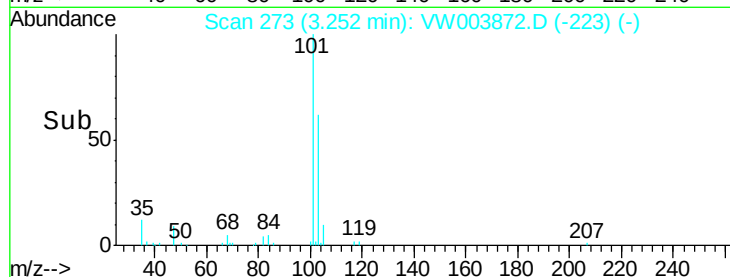
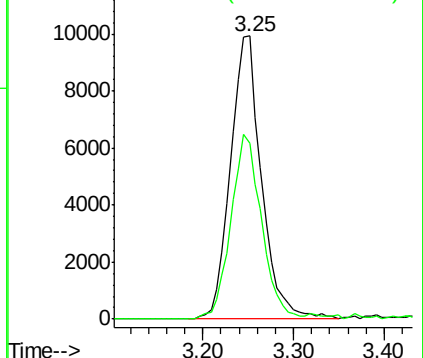
Trichlorofluoromethane
Concen: 22.226 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.01 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 23592
Ion Ratio Lower Upper
101 100
103 62.0 50.7 76.1



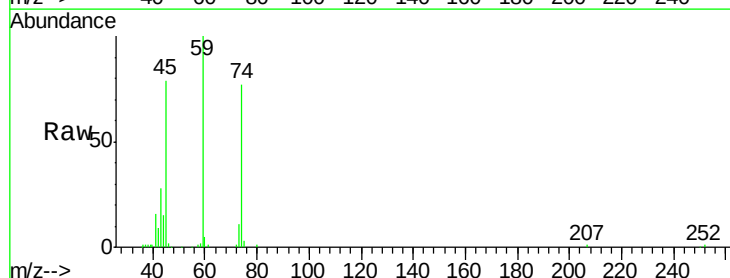
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



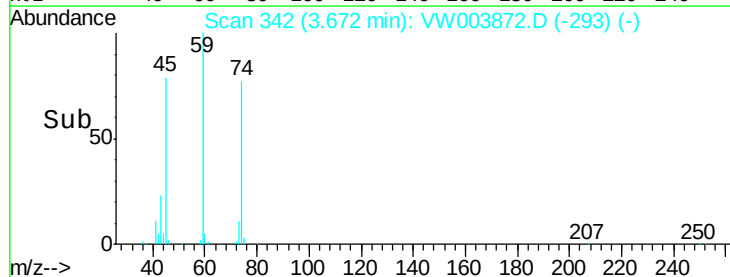
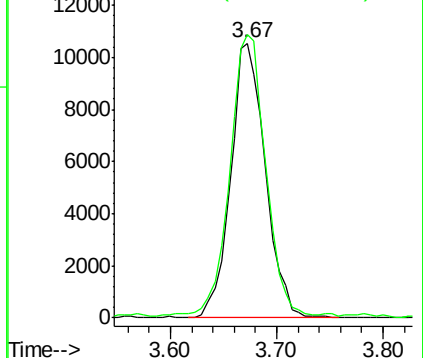
#8

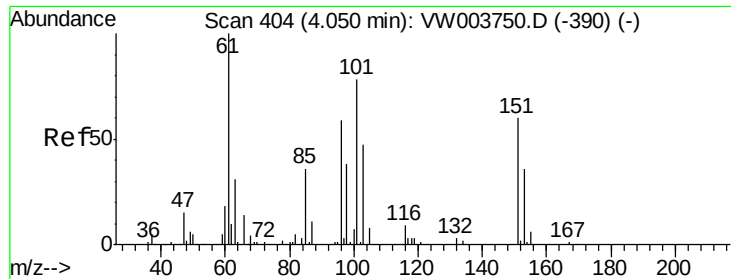
Diethyl Ether
Concen: 22.083 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 74 Resp: 24023
Ion Ratio Lower Upper
74 100
45 105.4 52.4 157.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.959 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

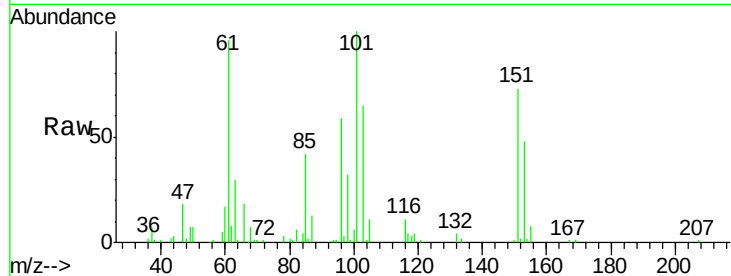
Tot Ion:101 Resp: 47394

Ion Ratio Lower Upper

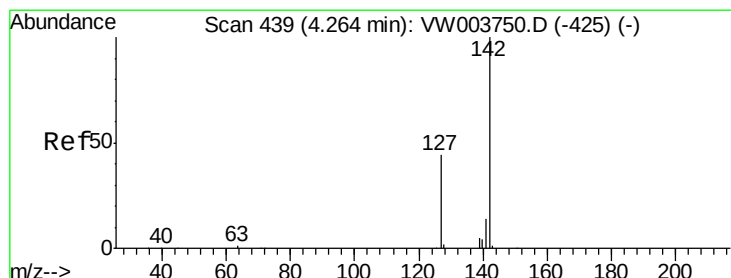
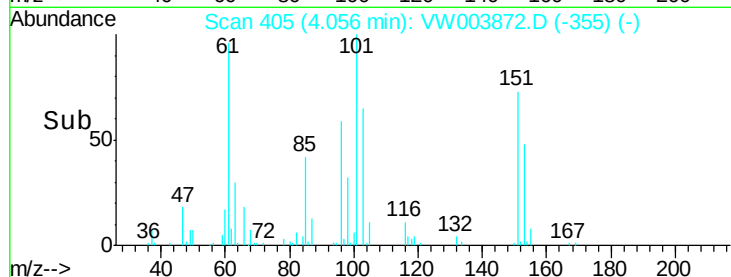
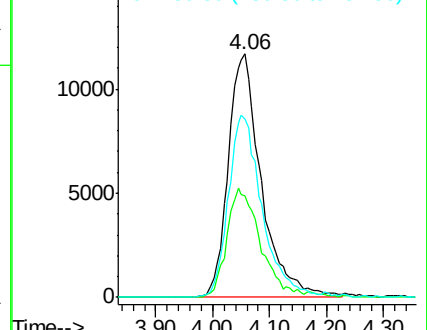
101 100

85 45.0 37.1 55.7

151 75.7 62.3 93.5



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: 21.454 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

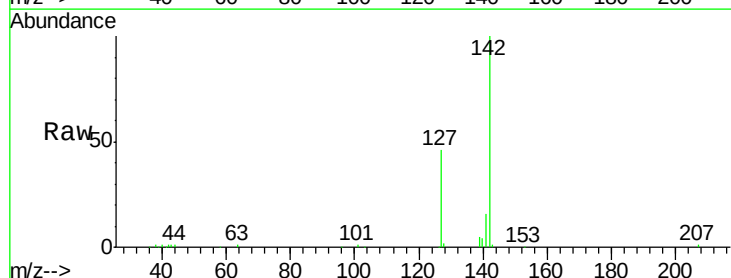
Tgt Ion:142 Resp: 65922

Ion Ratio Lower Upper

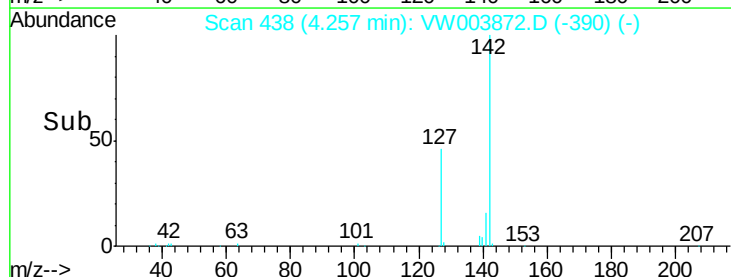
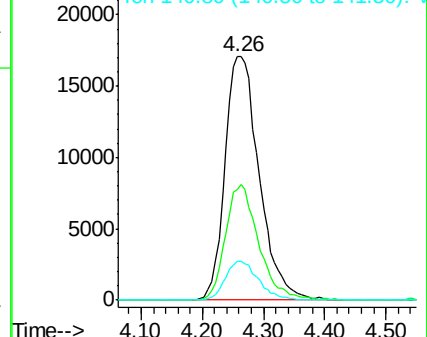
142 100

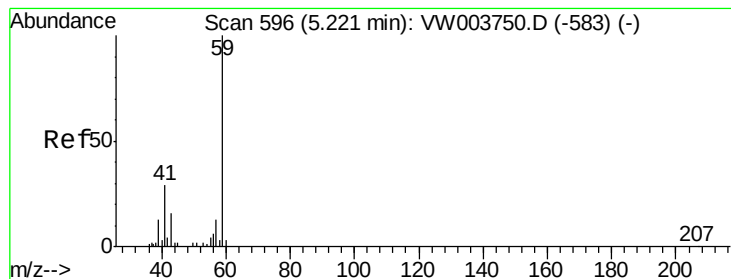
127 46.0 36.1 54.1

141 15.5 11.6 17.4



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: 87.861 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

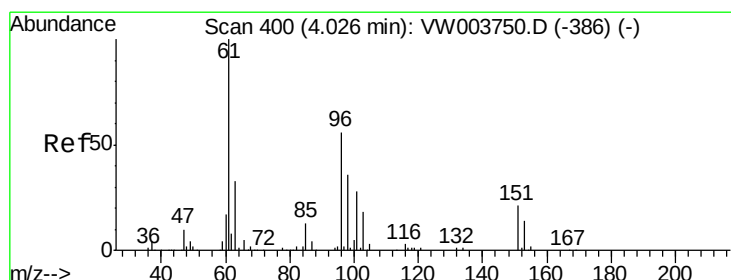
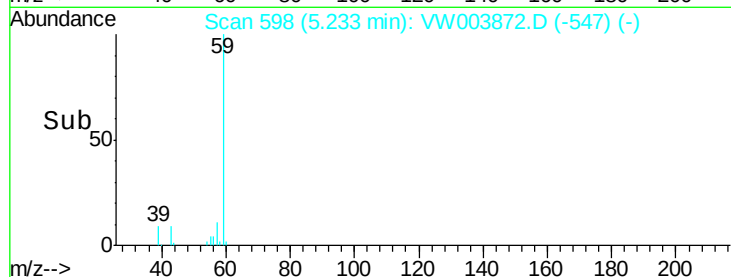
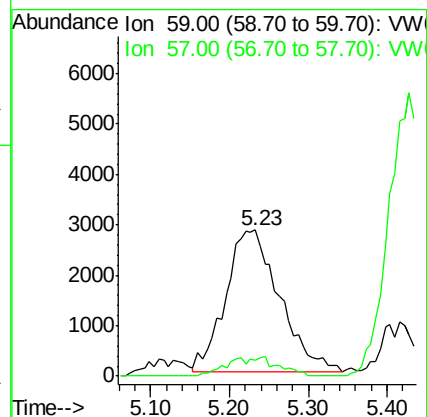
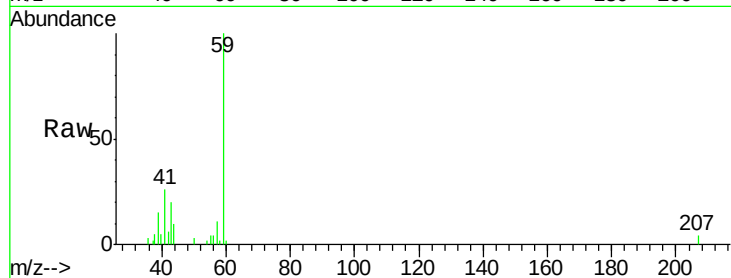
ClientSampled :

Tot Ion: 59 Resp: 13435

Ion Ratio Lower Upper

59 100

57 5.4 9.3 13.9#



#12

1,1-Dichloroethene

Concen: 22.885 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

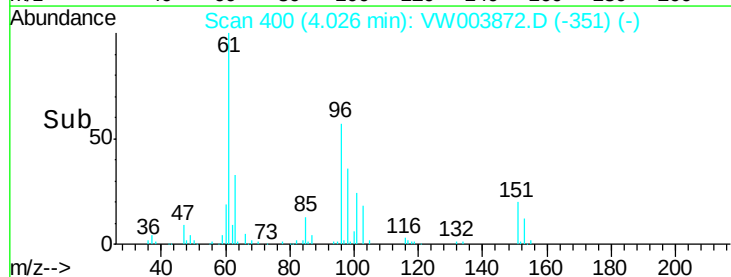
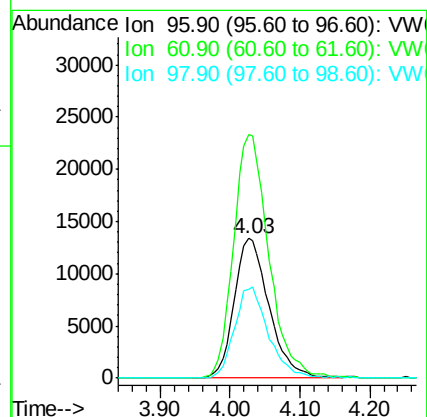
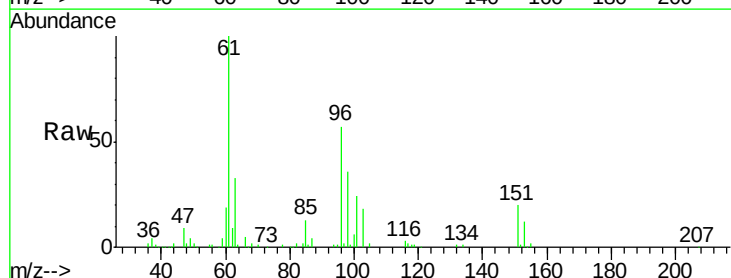
Tgt Ion: 96 Resp: 46386

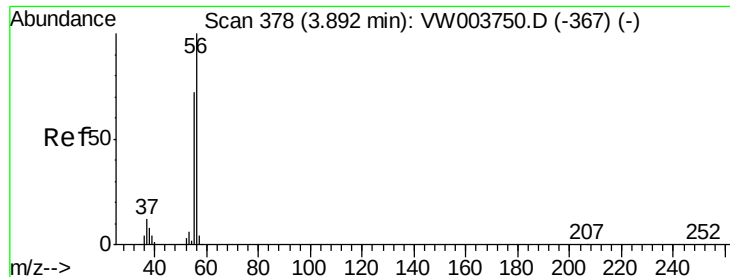
Ion Ratio Lower Upper

96 100

61 174.5 143.2 214.8

98 63.6 51.4 77.0





#13

Acrolein

Concen: 78.093 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

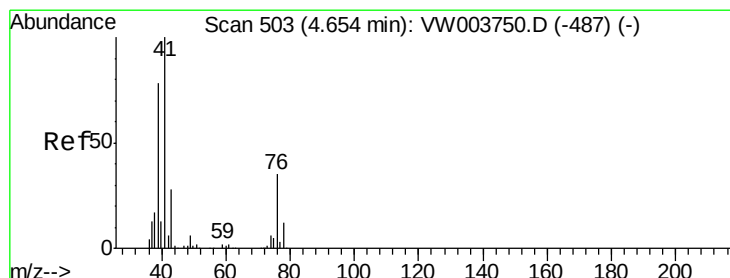
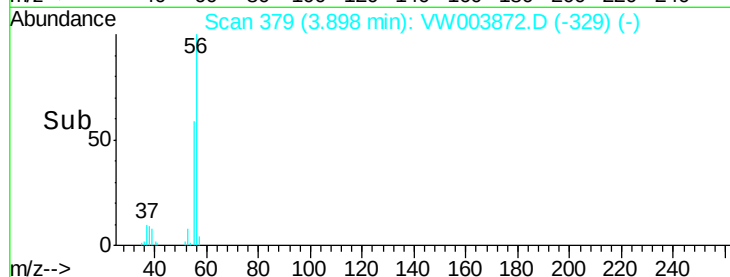
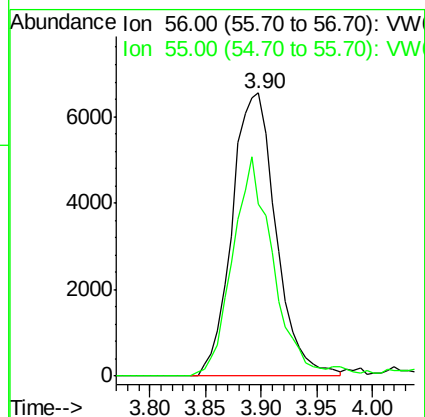
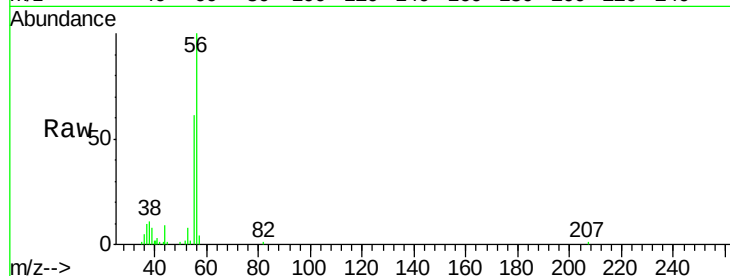
ClientSampleId :

Tot Ion: 56 Resp: 17887

Ion Ratio Lower Upper

56 100

55 70.8 57.5 86.3



#14

Allyl chloride

Concen: 22.018 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

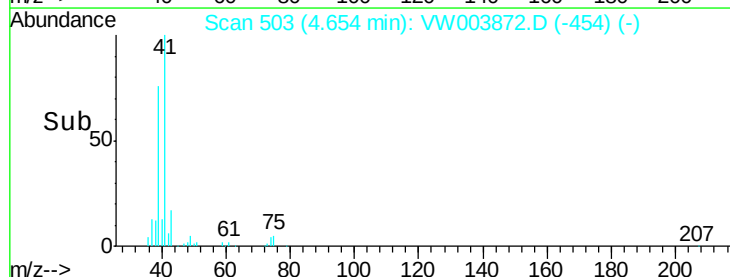
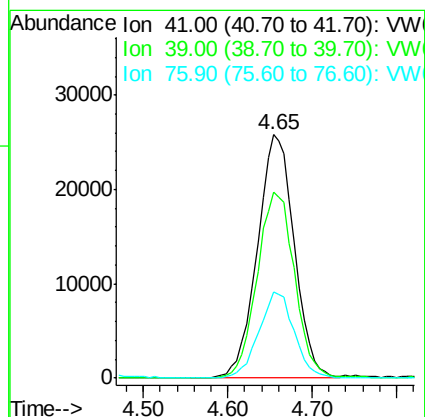
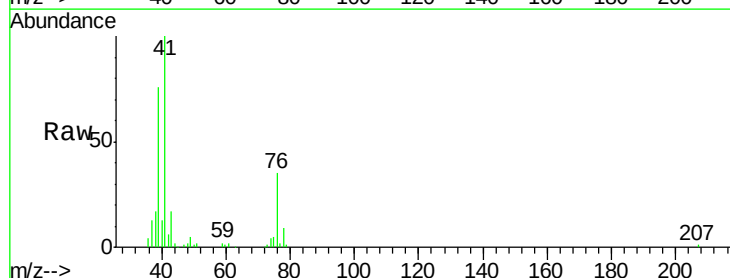
Tgt Ion: 41 Resp: 77591

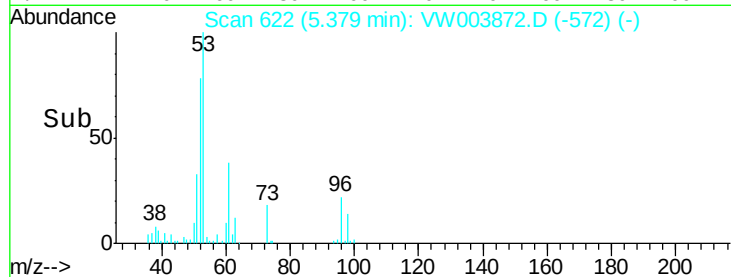
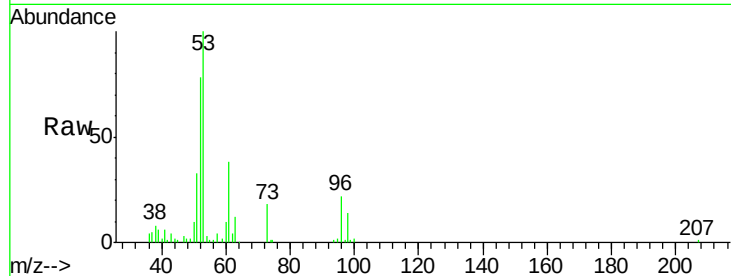
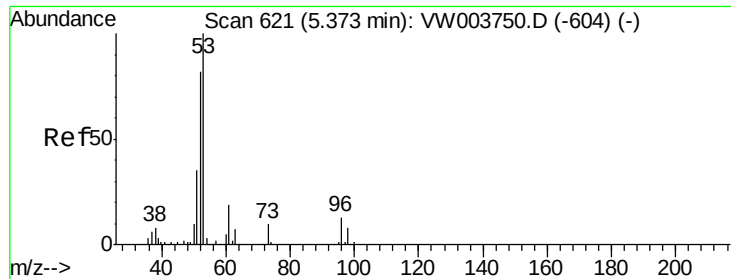
Ion Ratio Lower Upper

41 100

39 77.5 60.9 91.3

76 33.8 27.5 41.3





#15

Acrylonitrile

Concen: 98.937 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

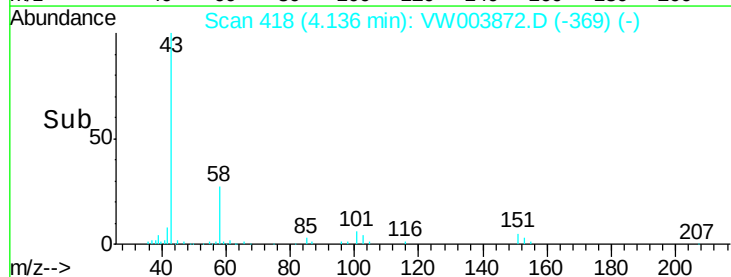
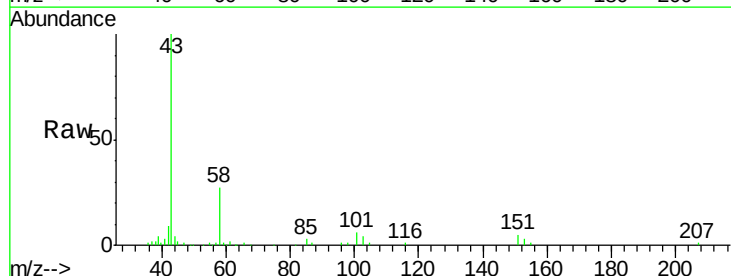
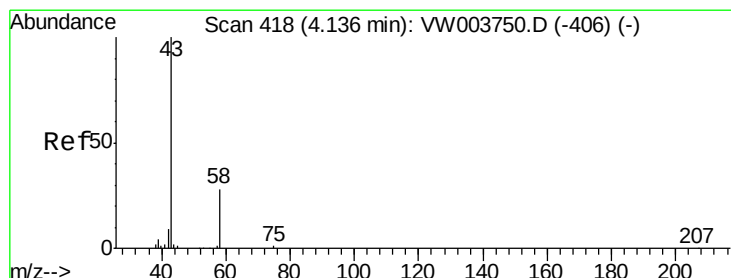
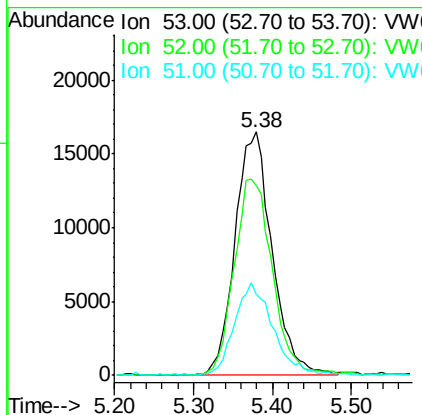
Tot Ion: 53 Resp: 53897

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

51 39.6 30.2 45.4



#16

Acetone

Concen: 105.325 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003872.D

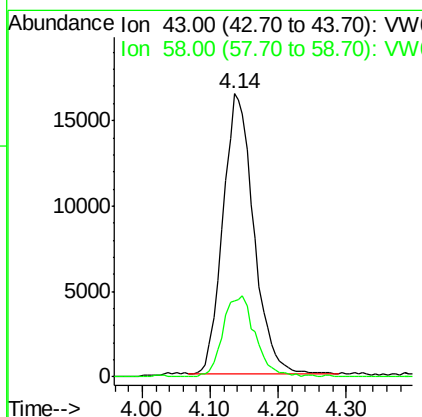
Acq: 11 Jul 2018 19:15

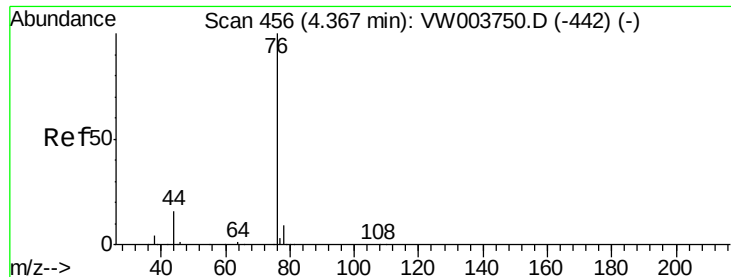
Tgt Ion: 43 Resp: 51561

Ion Ratio Lower Upper

43 100

58 27.3 22.6 34.0





#17

Carbon Disulfide

Concen: 21.789 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

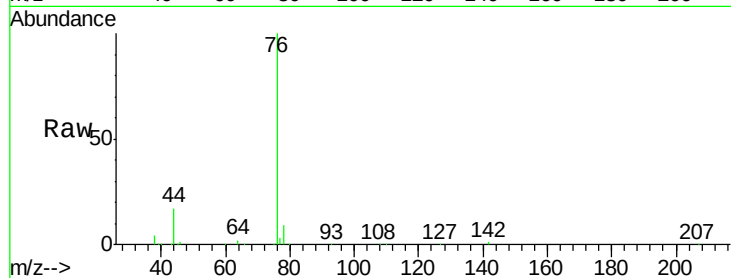
ClientSampleId :

Tot Ion: 76 Resp: 144786

Ion Ratio Lower Upper

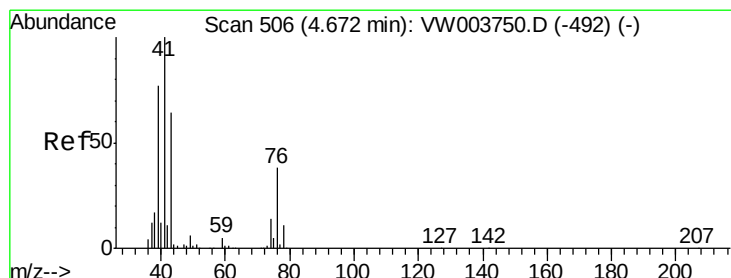
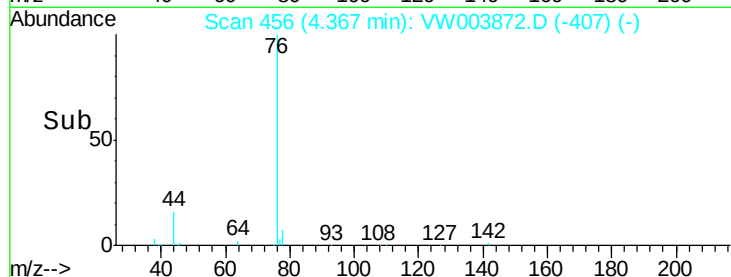
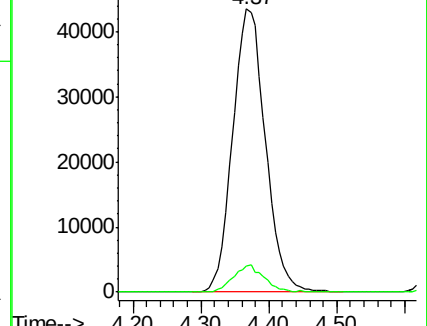
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.009 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003872.D

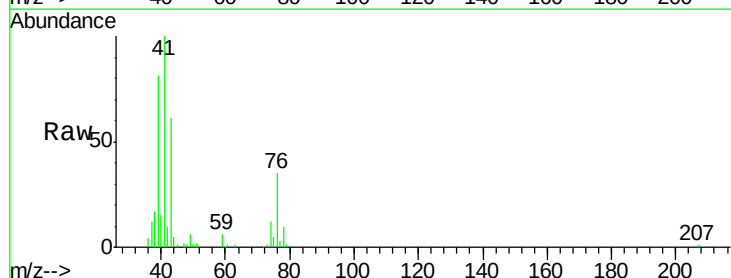
Acq: 11 Jul 2018 19:15

Tgt Ion: 43 Resp: 26236

Ion Ratio Lower Upper

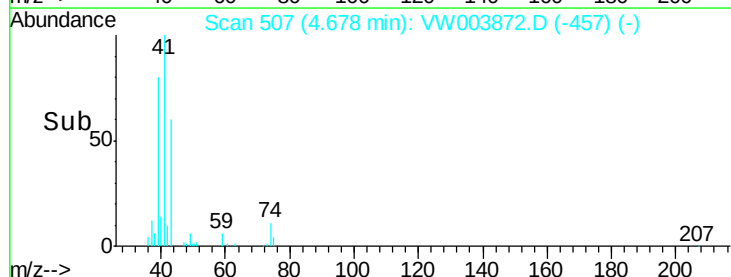
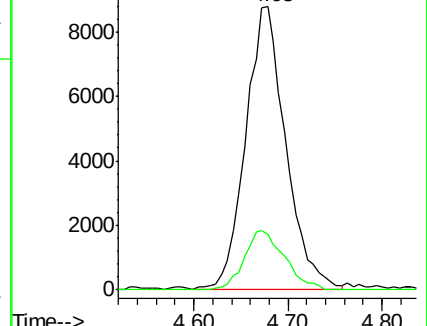
43 100

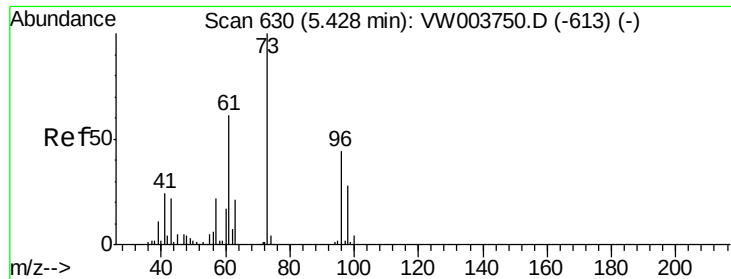
74 20.9 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

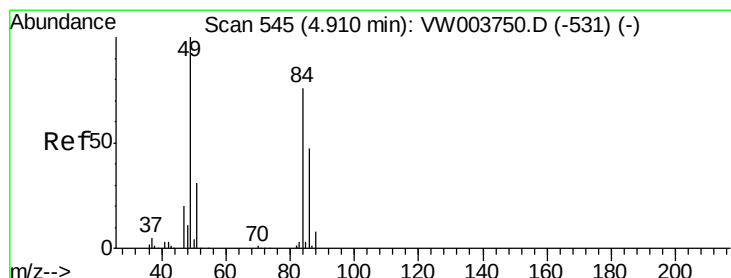
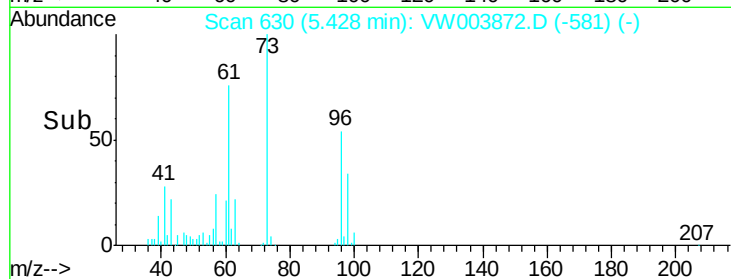
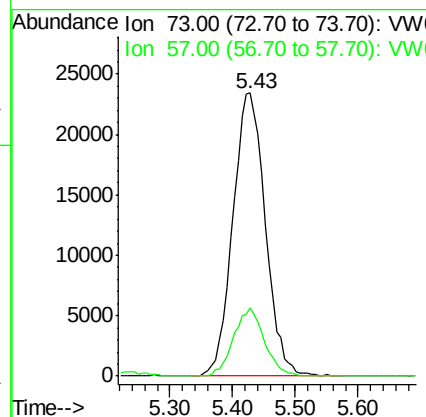
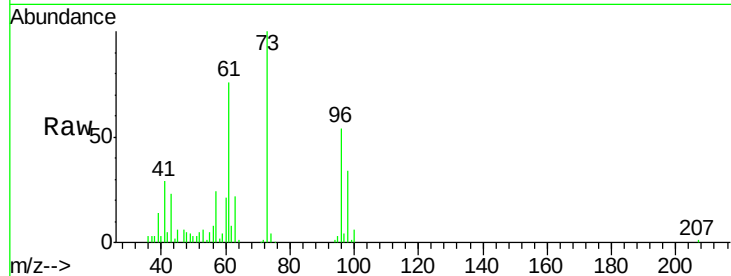




#19
Methyl tert-butyl Ether
Concen: 19.992 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

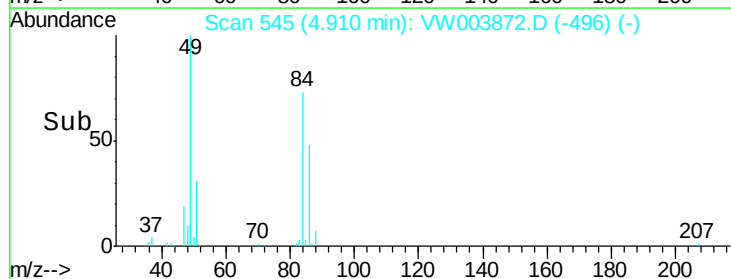
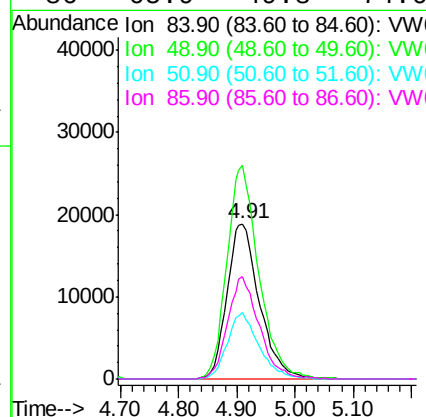
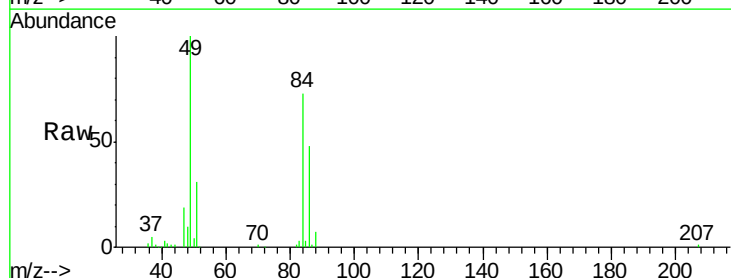
Instrument :
MSVOA_W
ClientSampled :

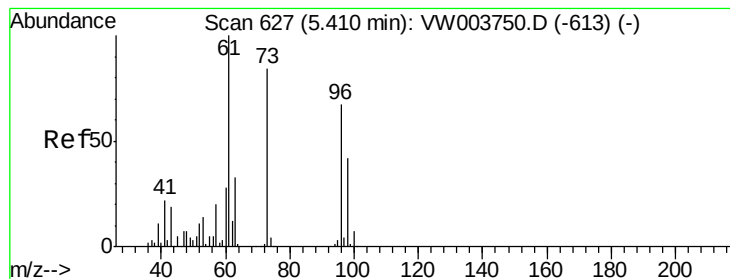
Tot Ion: 73 Resp: 83732
Ion Ratio Lower Upper
73 100
57 24.0 17.9 26.9



#20
Methylene Chloride
Concen: 28.670 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 84 Resp: 72861
Ion Ratio Lower Upper
84 100
49 137.5 105.1 157.7
51 42.9 32.5 48.7
86 65.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.127 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

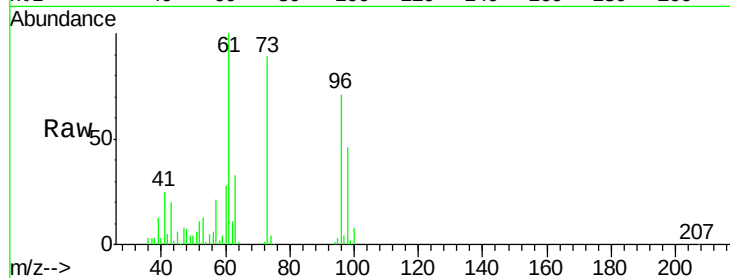
Tot Ion: 96 Resp: 50695

Ion Ratio Lower Upper

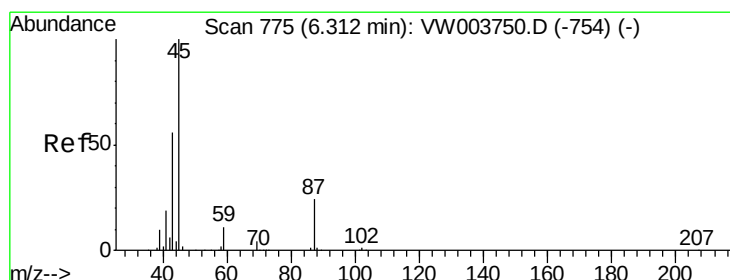
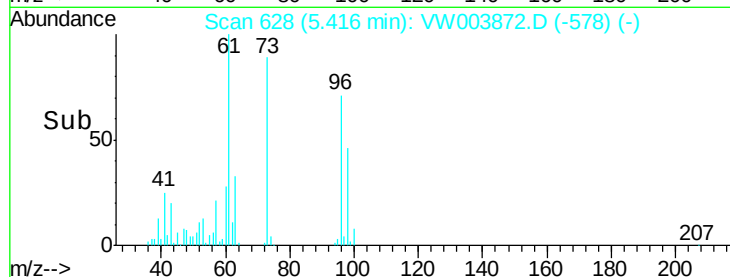
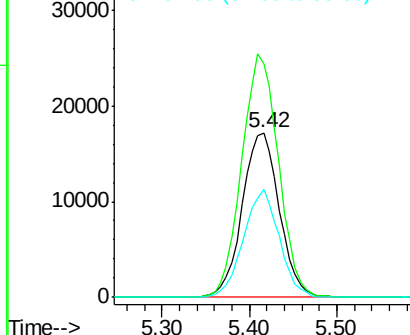
96 100

61 141.7 119.0 178.6

98 65.4 49.8 74.8



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: 20.835 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Tgt Ion: 45 Resp: 161413

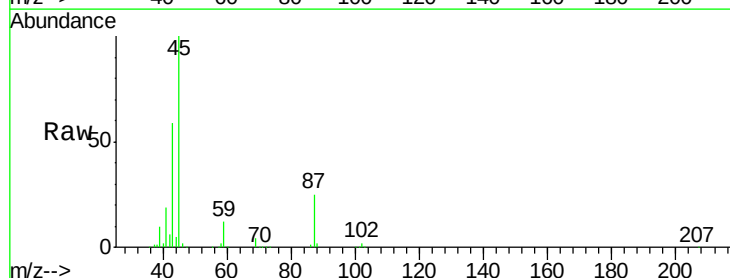
Ion Ratio Lower Upper

45 100

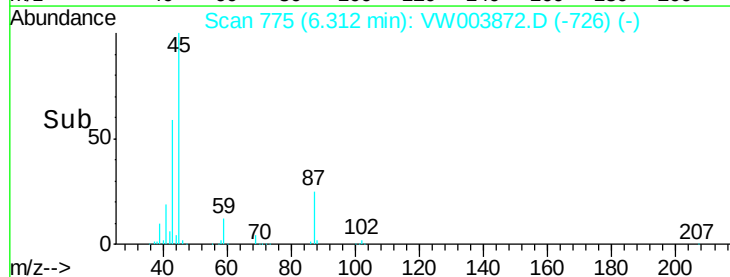
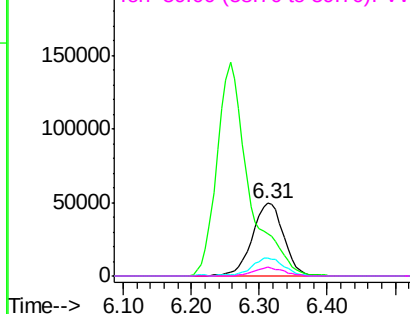
43 58.1 44.5 66.7

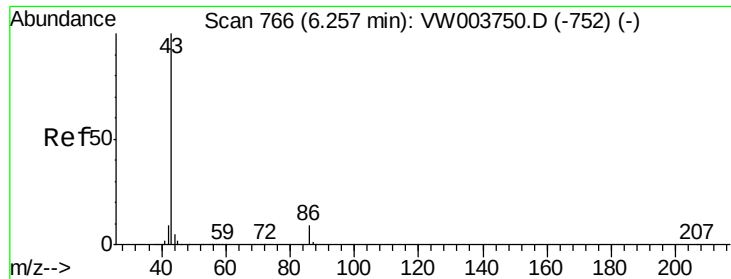
87 24.7 19.6 29.4

59 11.6 9.1 13.7



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: 100.019 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

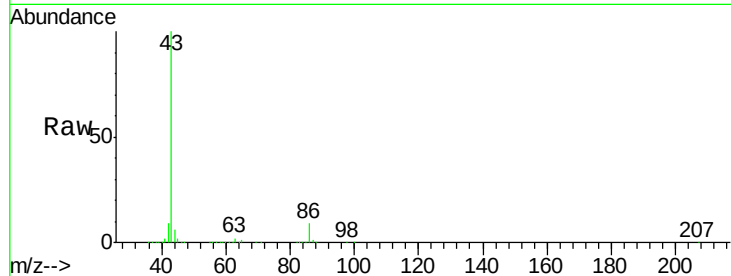
ClientSampleId :

Tot Ion: 43 Resp: 473017

Ion Ratio Lower Upper

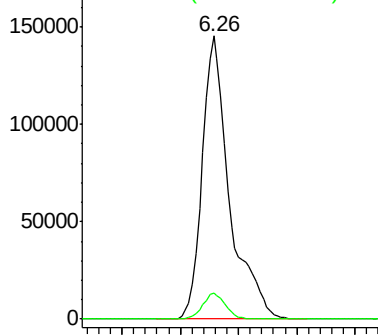
43 100

86 9.0 7.3 10.9

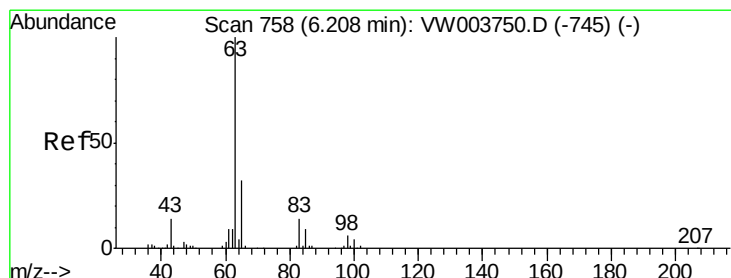
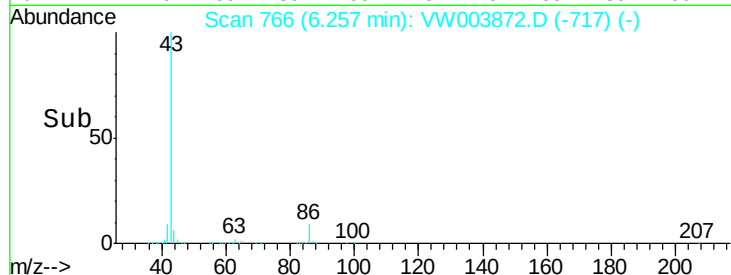


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.343 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

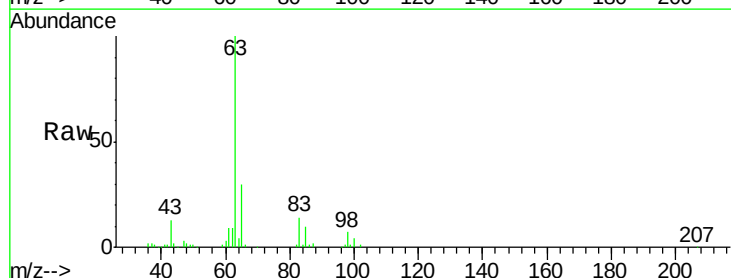
Tgt Ion: 63 Resp: 95321

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

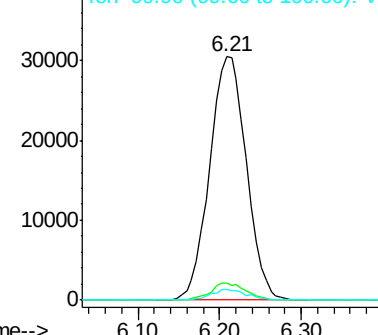
100 4.2 2.1 6.2



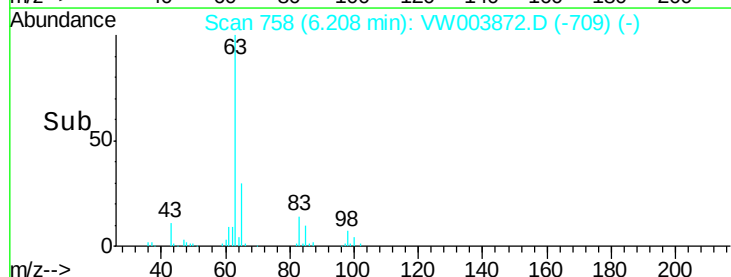
Abundance Ion 62.90 (62.60 to 63.60): VW

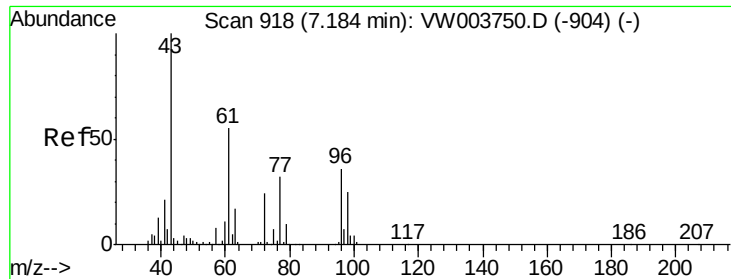
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->

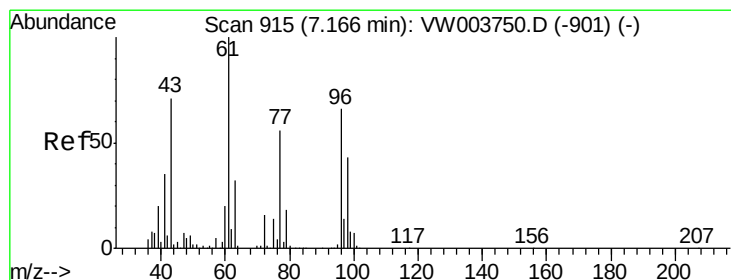
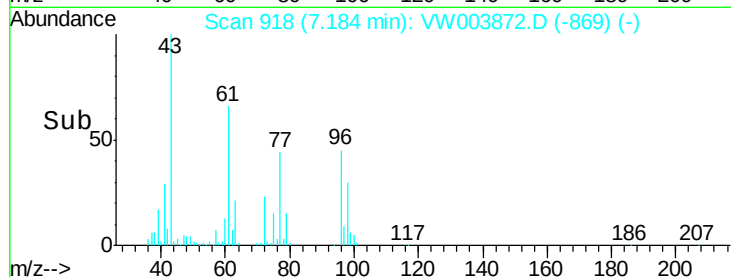
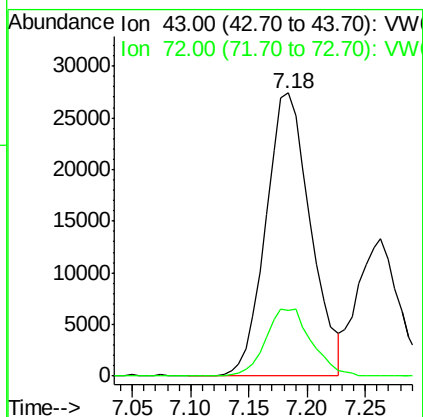
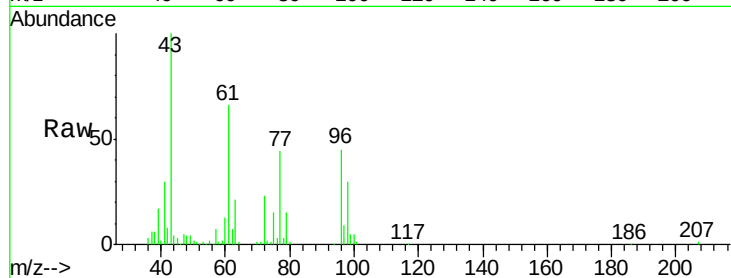




#25
2-Butanone
Concen: 95.454 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

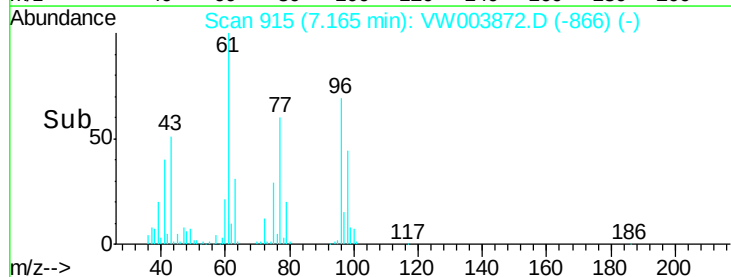
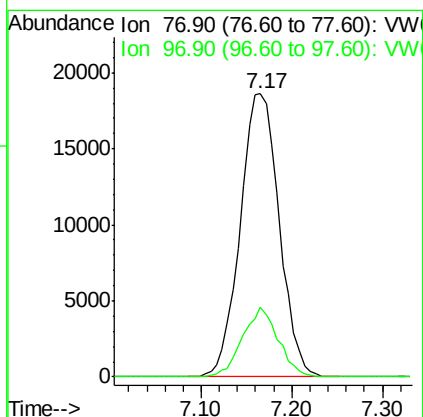
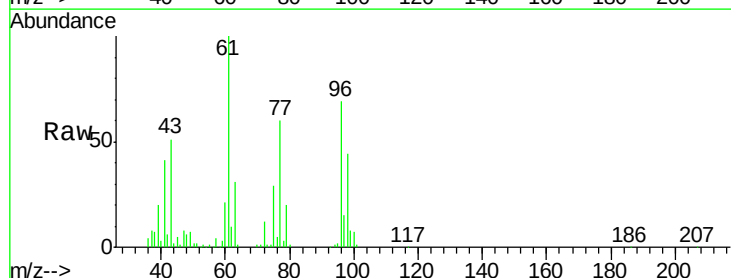
Instrument :
MSVOA_W
ClientSampled :

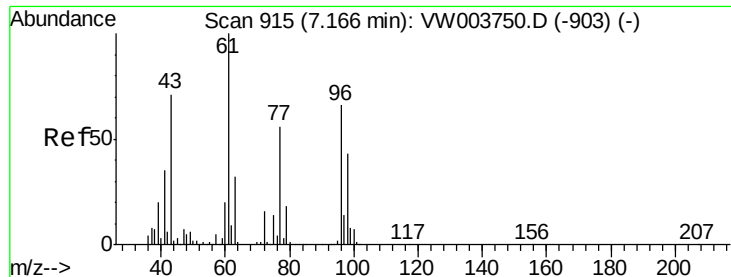
Tot Ion: 43 Resp: 73190
Ion Ratio Lower Upper
43 100
72 23.2 19.4 29.2



#26
2,2-Dichloropropane
Concen: 21.769 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 77 Resp: 55324
Ion Ratio Lower Upper
77 100
97 22.5 11.5 34.5



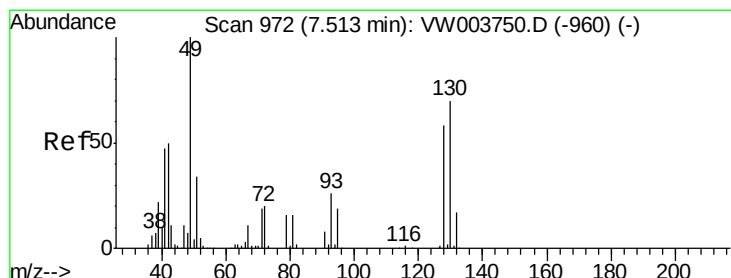
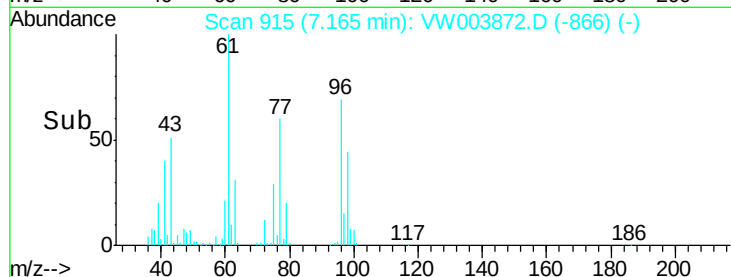
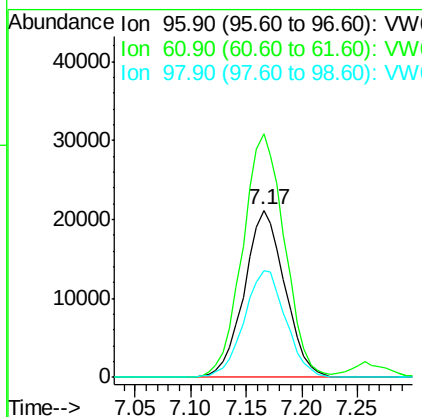
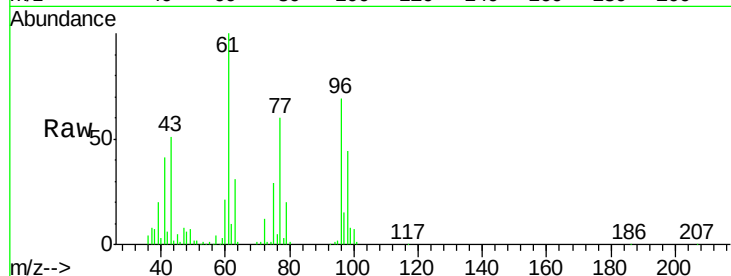


#27

cis-1,2-Dichloroethene
Concen: 20.179 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

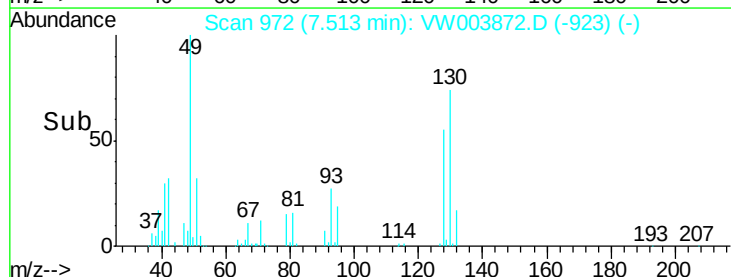
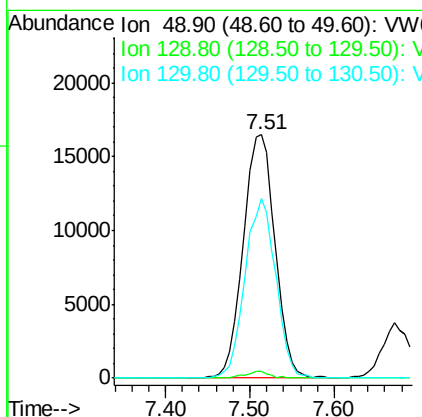
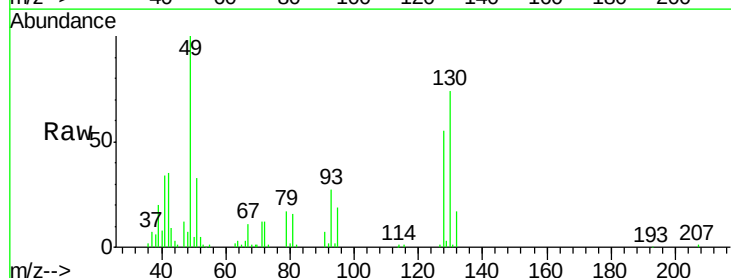
Tot Ion	96	Resp	53544
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.8
98	65.5	0.0	128.6

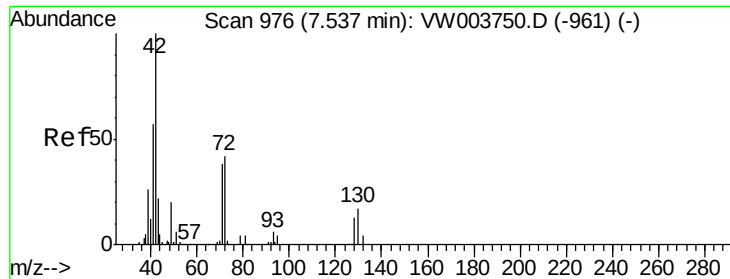


#28

Bromochloromethane
Concen: 20.126 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion	49	Resp	42011
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	71.2	56.9	85.3

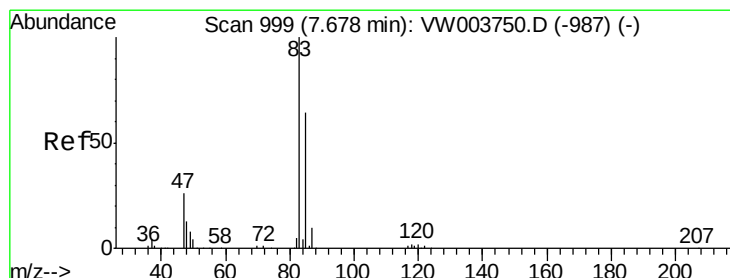
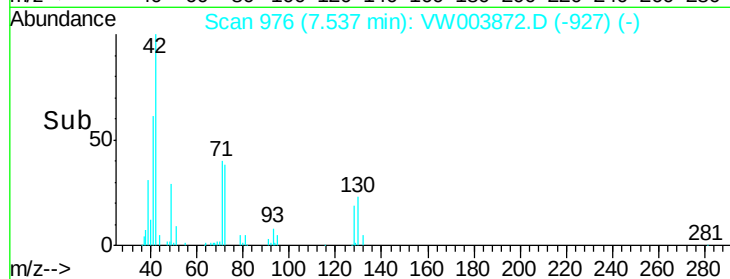
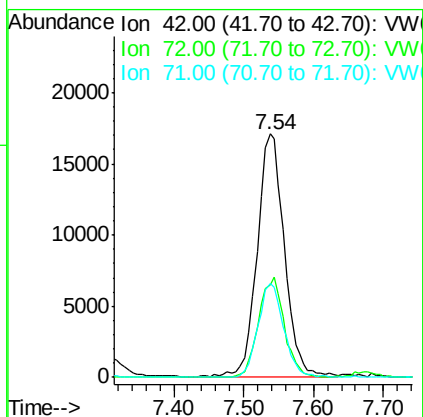
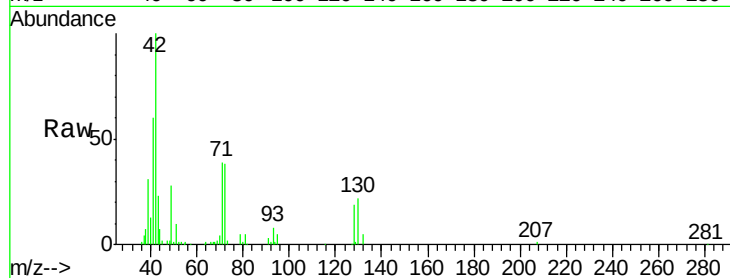




#29
Tetrahydrofuran
Concen: 94.254 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

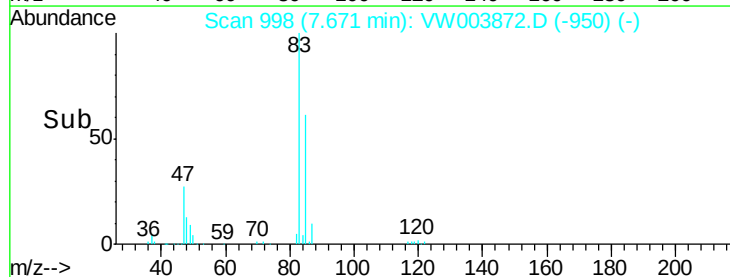
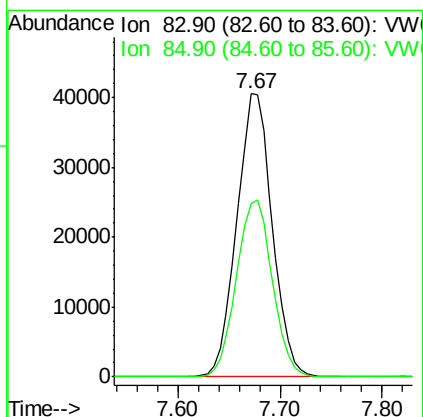
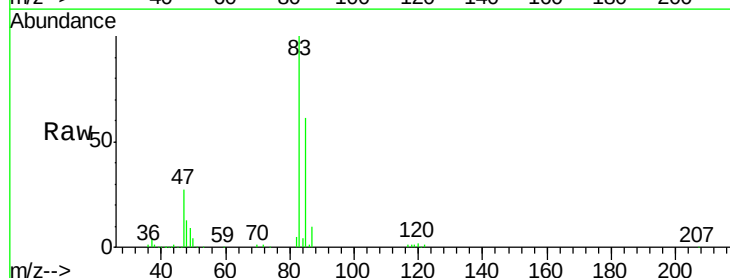
Instrument :
MSVOA_W
ClientSampleId :

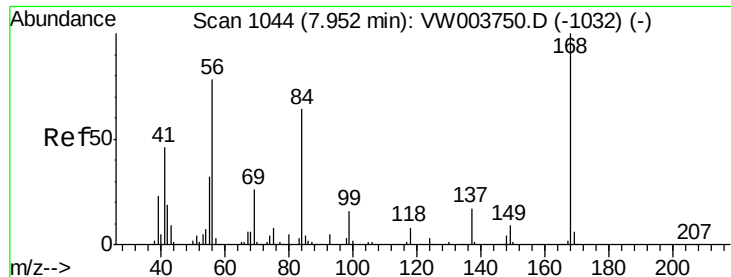
Tot Ion: 42 Resp: 46458
Ion Ratio Lower Upper
42 100
72 38.9 31.8 47.8
71 36.5 30.3 45.5



#30
Chloroform
Concen: 20.416 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 83 Resp: 97587
Ion Ratio Lower Upper
83 100
85 61.4 51.5 77.3





#31

Cyclohexane

Concen: 20.991 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

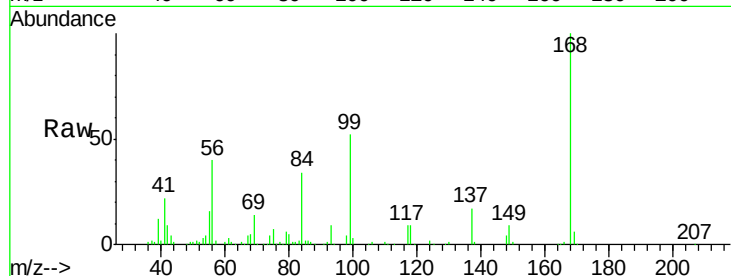
Tot Ion: 56 Resp: 86430

Ion Ratio Lower Upper

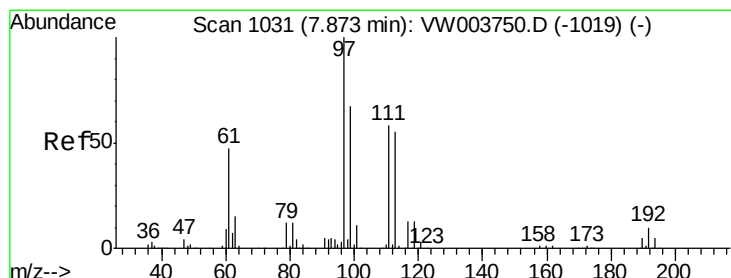
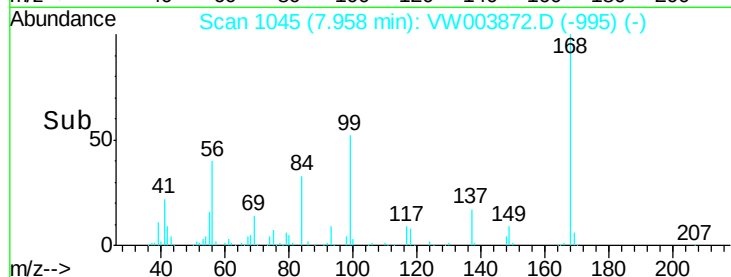
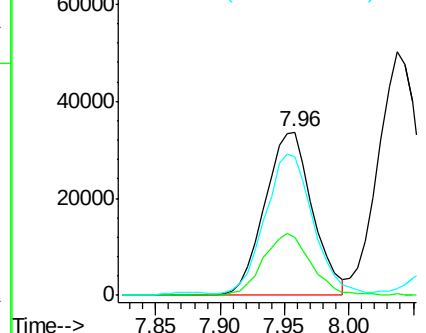
56 100

69 35.9 26.2 39.4

84 83.3 65.5 98.3



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



#32

1,1,1-Trichloroethane

Concen: 20.723 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

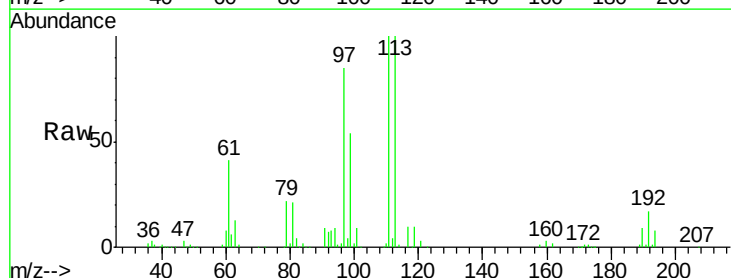
Tgt Ion: 97 Resp: 75388

Ion Ratio Lower Upper

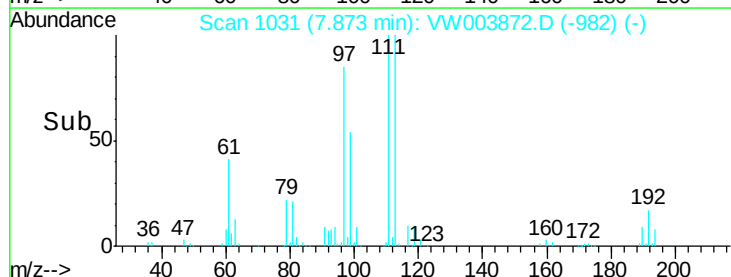
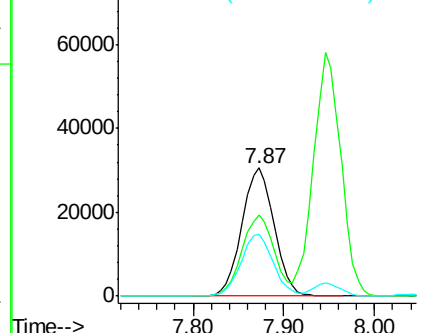
97 100

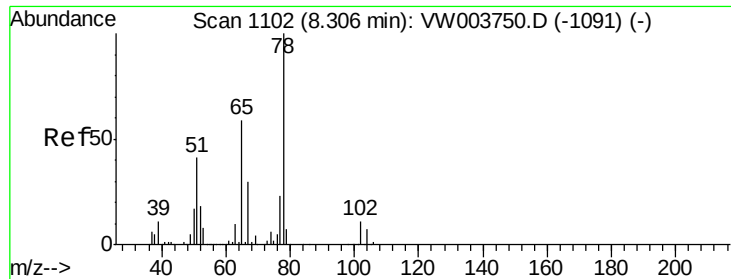
99 63.9 51.2 76.8

61 48.6 37.6 56.4



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

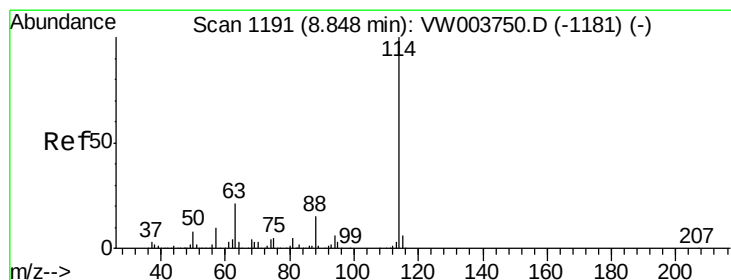
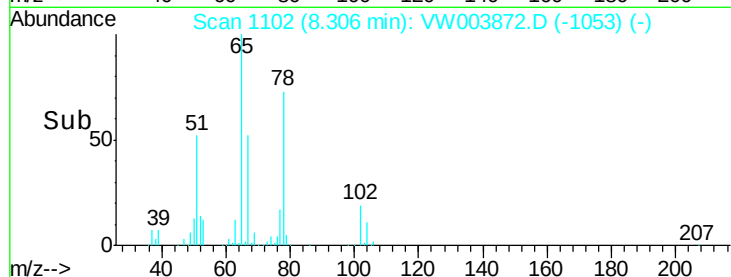
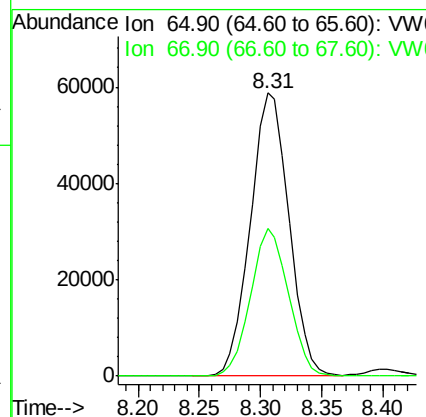
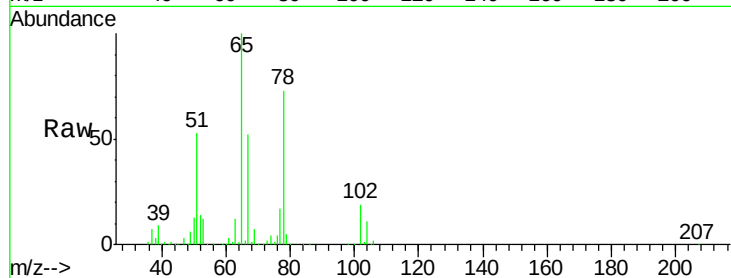




#33
 1,2-Dichloroethane-d4
 Concen: 45.815 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

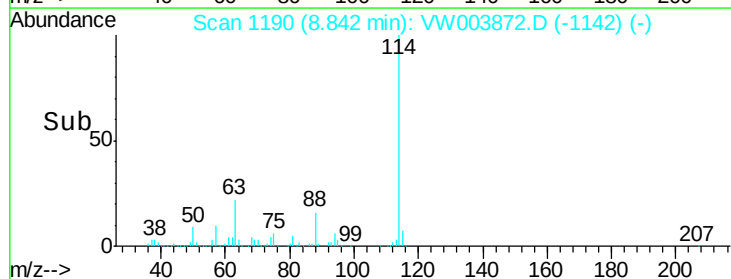
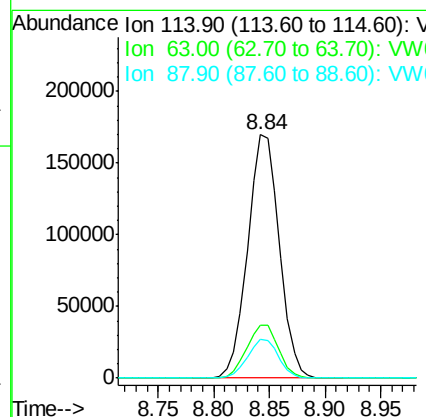
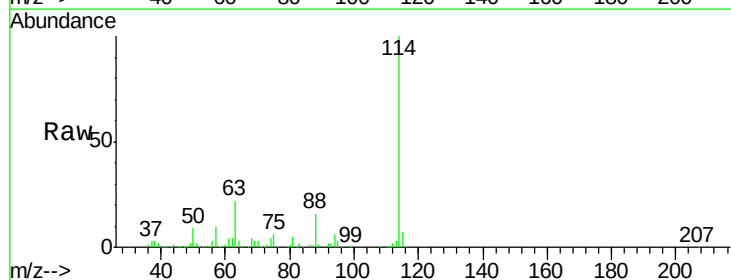
Instrument :
 MSVOA_W
 ClientSampleId :

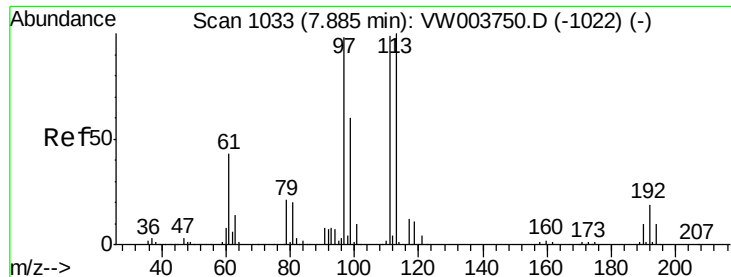
Tot Ion: 65 Resp: 129273
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion: 114 Resp: 335127
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.8
 88 15.7 0.0 30.2

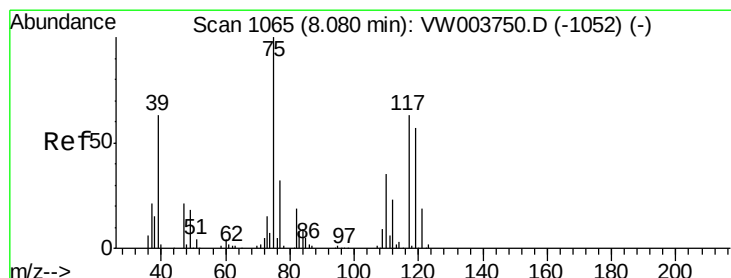
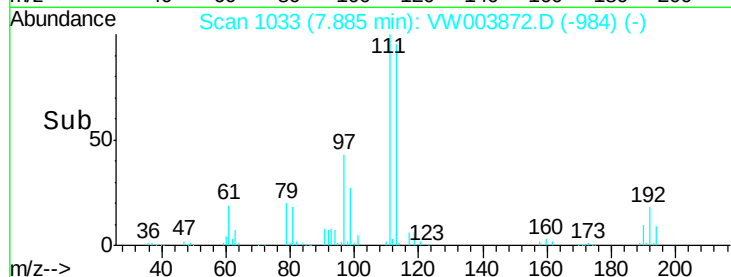
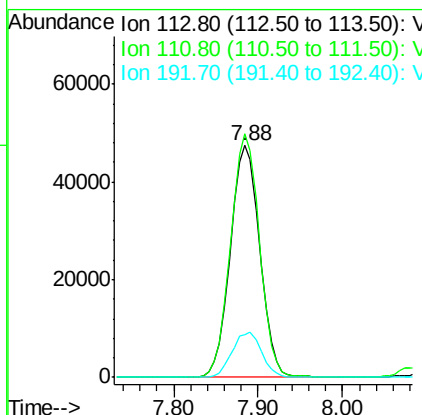
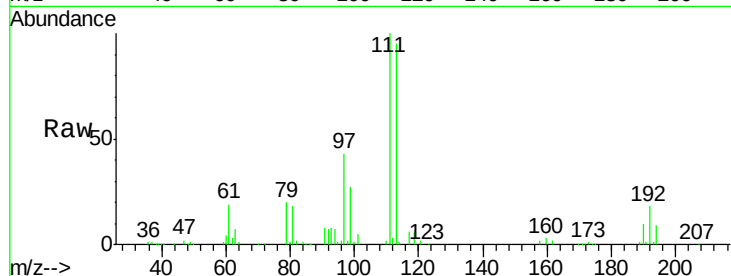




#35
 Dibromofluoromethane
 Concen: 47.774 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

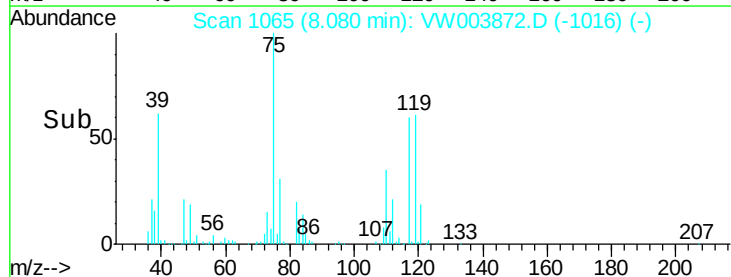
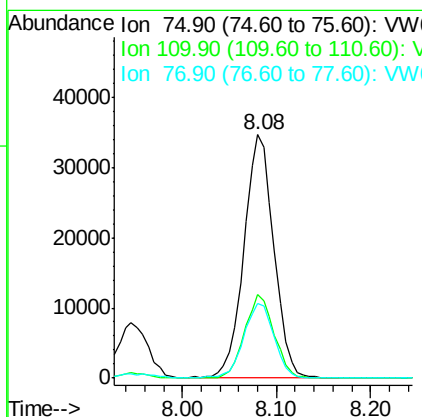
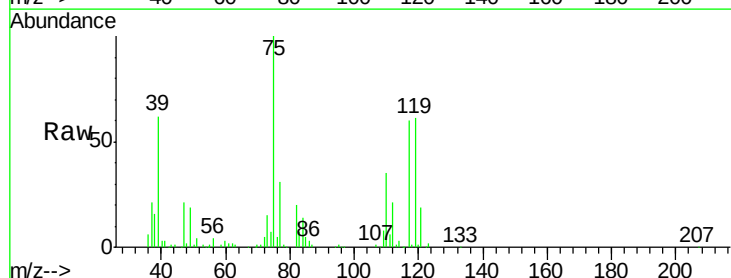
Instrument :
 MSVOA_W
 ClientSampleId :

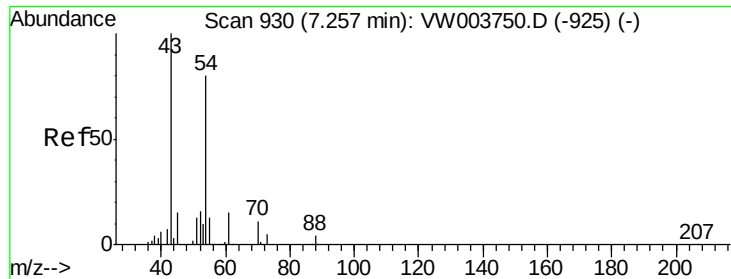
Tot Ion:113 Resp: 112053
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 19.5 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 21.701 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion: 75 Resp: 77167
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.9 50.6
 77 31.4 24.8 37.2

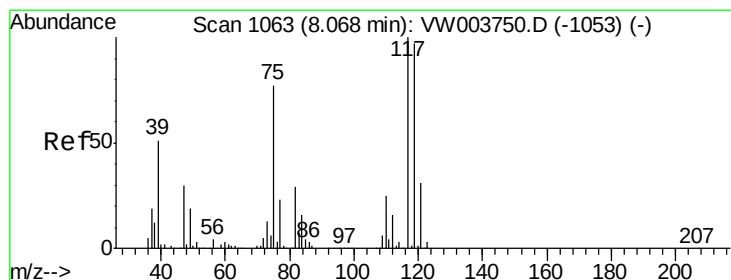
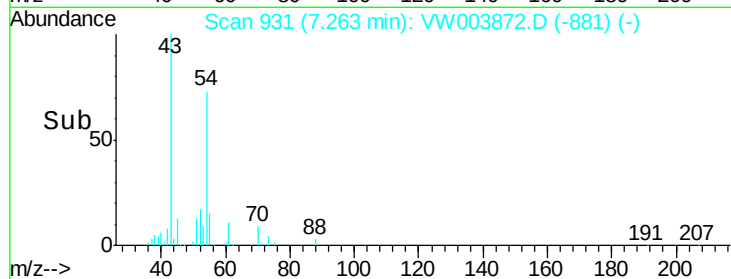
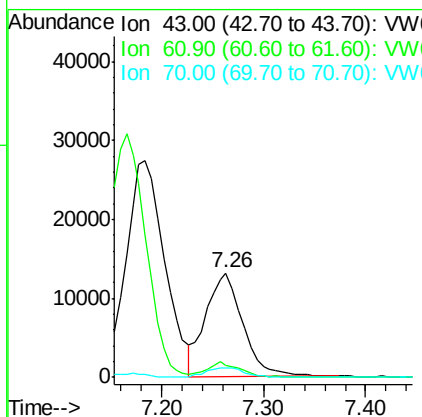
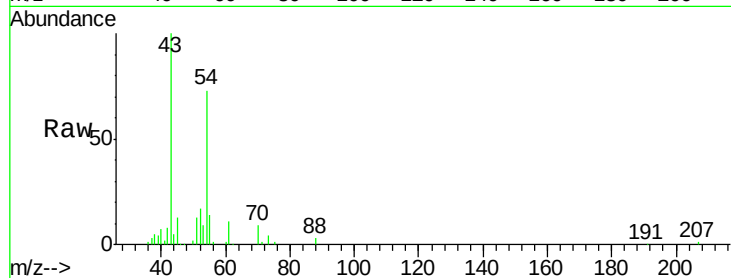




#37
Ethyl Acetate
Concen: 19.370 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

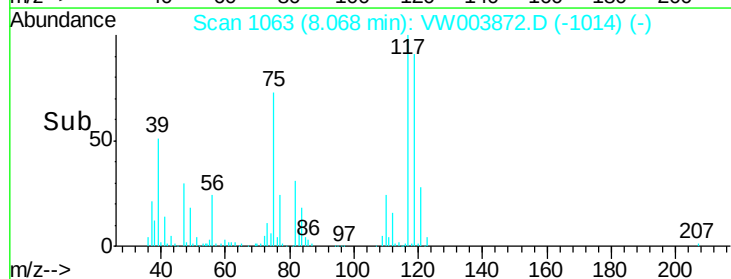
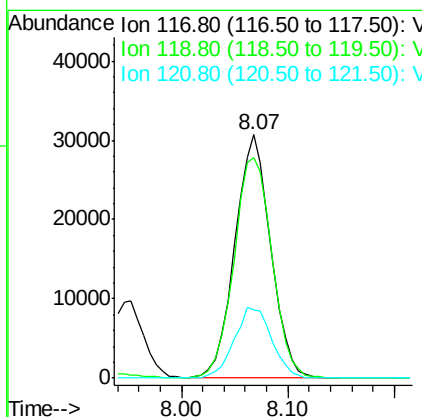
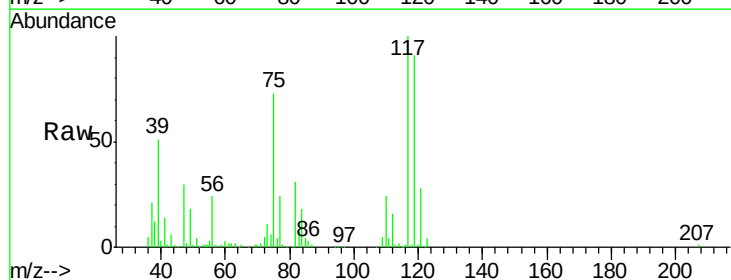
Instrument :
MSVOA_W
ClientSampleId :

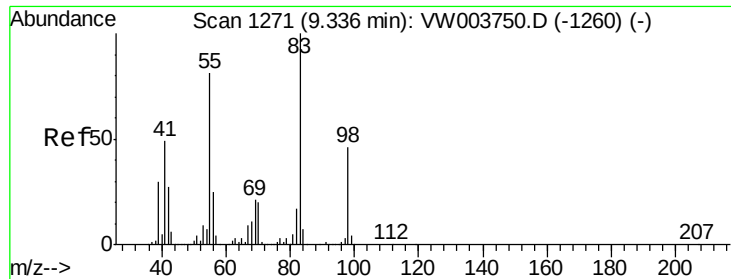
Tot Ion: 43 Resp: 33513
Ion Ratio Lower Upper
43 100
61 12.9 10.6 15.8
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.386 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 117 Resp: 72302
Ion Ratio Lower Upper
117 100
119 90.6 77.4 116.2
121 27.8 24.6 37.0

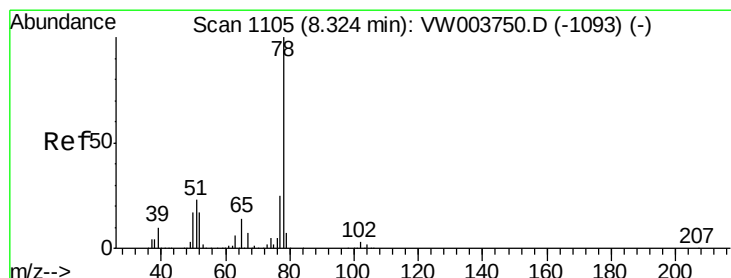
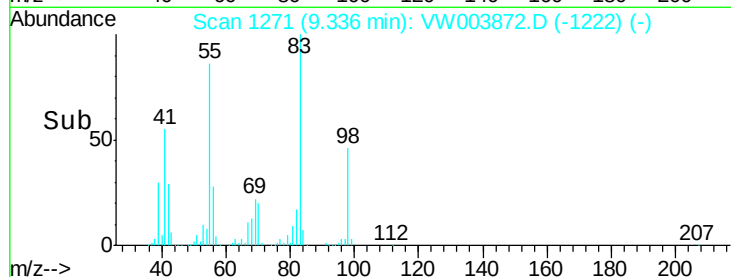
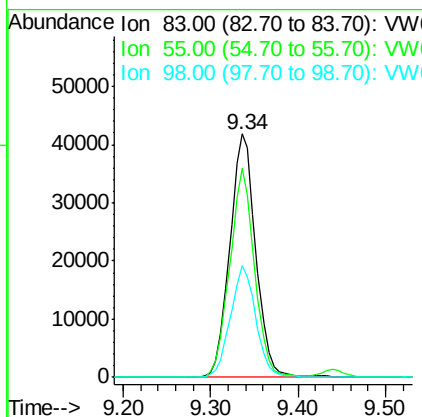
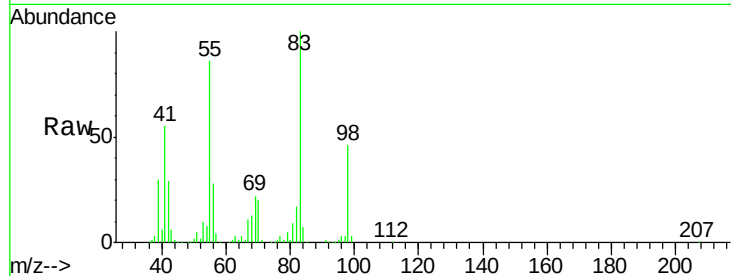




#39
Methylvlcyclohexane
Concen: 22.220 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

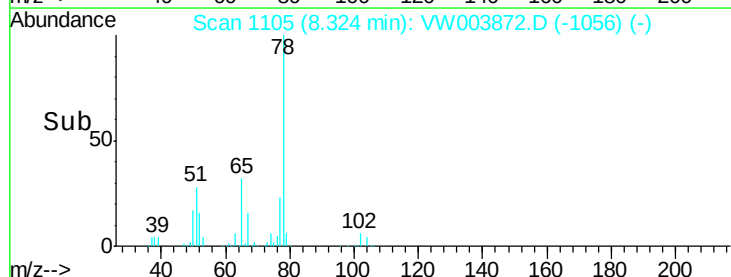
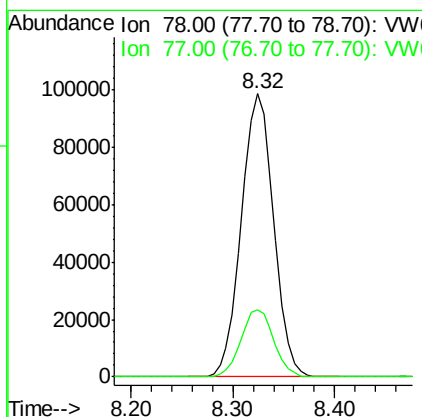
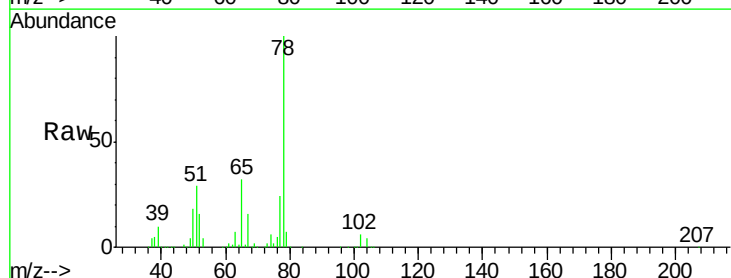
Instrument :
MSVOA_W
ClientSampled :

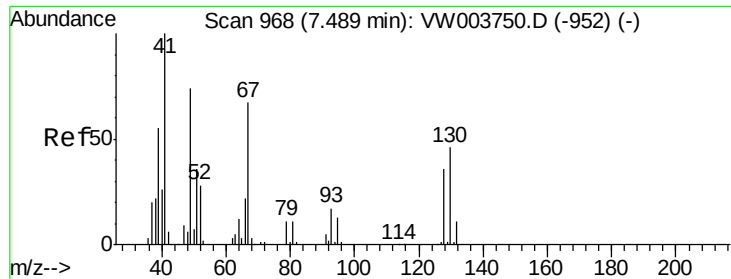
Tot Ion: 83 Resp: 86537
Ion Ratio Lower Upper
83 100
55 85.8 65.1 97.7
98 45.7 36.7 55.1



#40
Benzene
Concen: 21.385 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 78 Resp: 217398
Ion Ratio Lower Upper
78 100
77 23.7 19.7 29.5

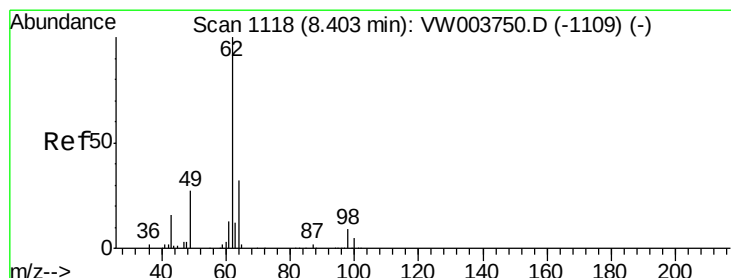
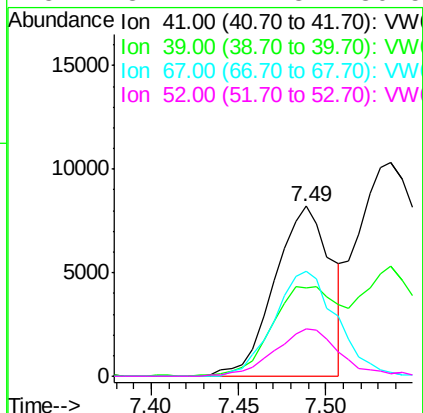
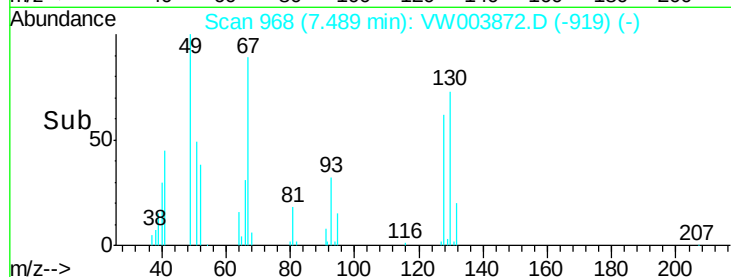
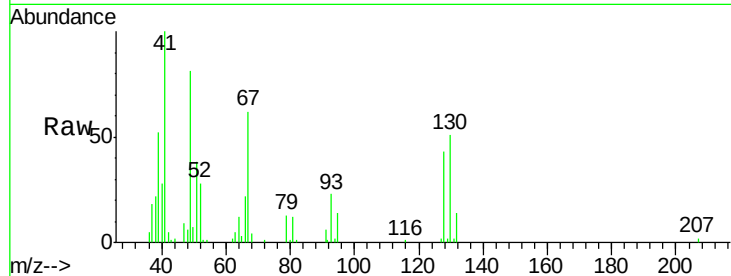




#41
Methacrylonitrile
Concen: 18.599 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

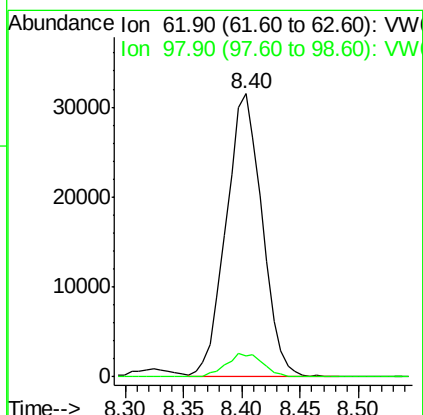
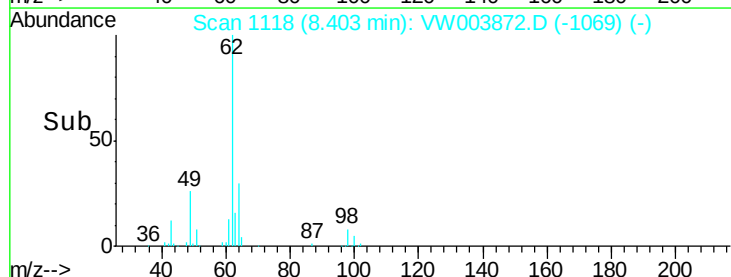
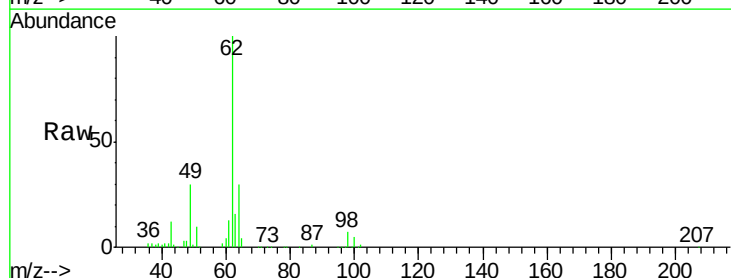
Instrument :
MSVOA_W
ClientSampled :

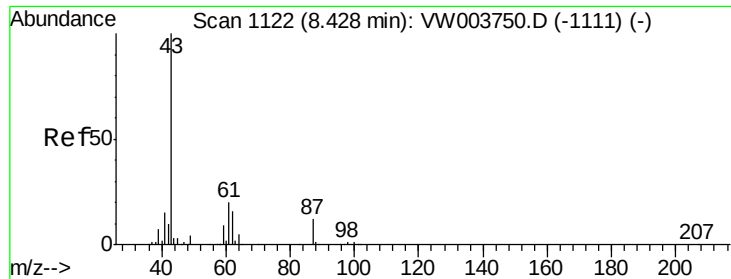
Tot Ion:	41	Resp:	18511
Ion	Ratio	Lower	Upper
41	100		
39	65.3	49.5	74.3
67	68.7	53.8	80.8
52	32.1	24.3	36.5



#42
1,2-Dichloroethane
Concen: 20.616 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion:	62	Resp:	67827
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.199 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

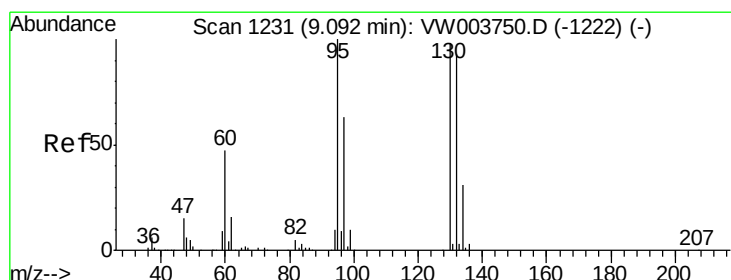
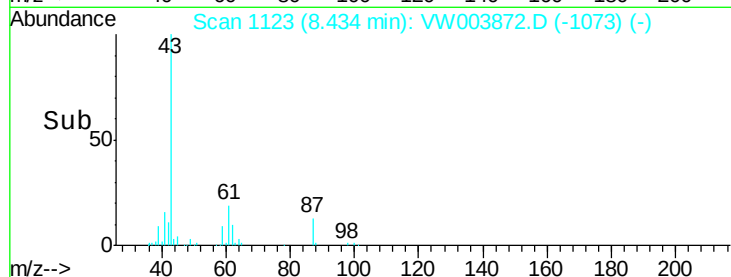
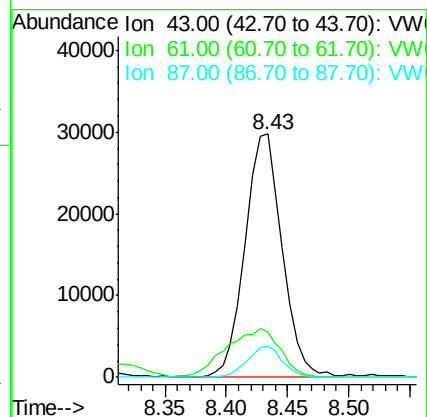
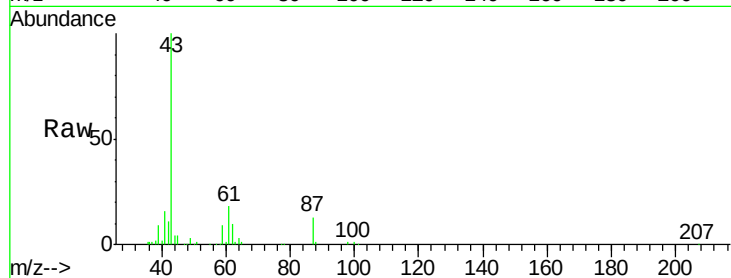
Tot Ion: 43 Resp: 62957

Ion Ratio Lower Upper

43 100

61 29.5 22.8 34.2

87 12.0 9.5 14.3



#44

Trichloroethene

Concen: 21.148 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003872.D

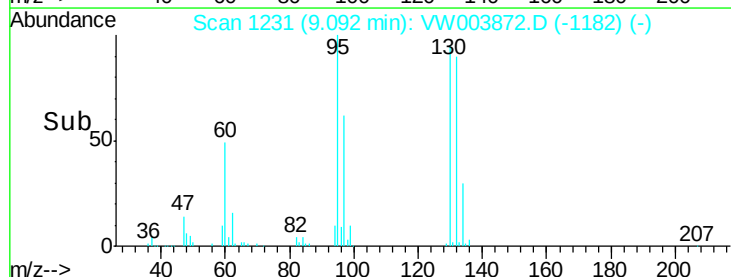
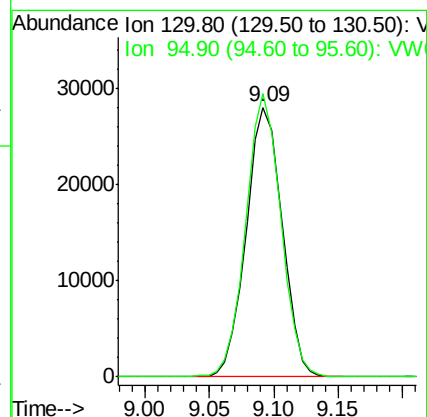
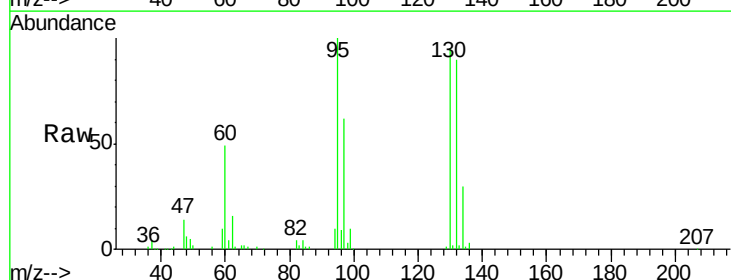
Acq: 11 Jul 2018 19:15

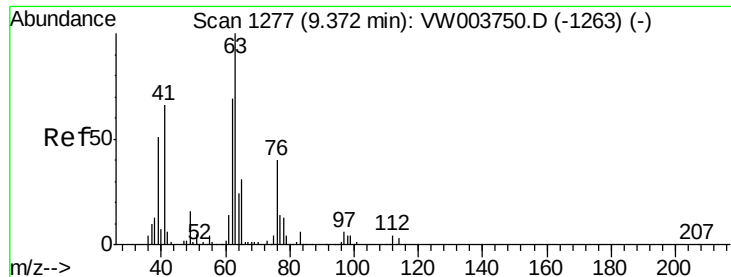
Tgt Ion: 130 Resp: 54198

Ion Ratio Lower Upper

130 100

95 105.0 0.0 203.8





#45

1,2-Dichloropropane

Concen: 20.936 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

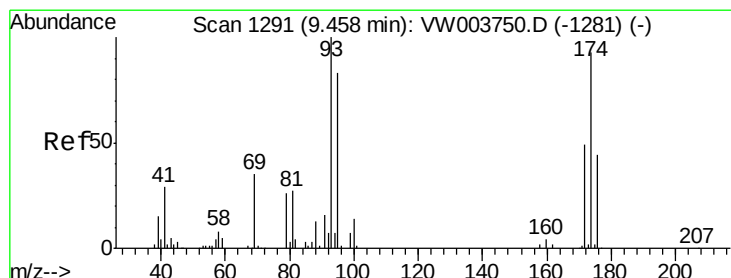
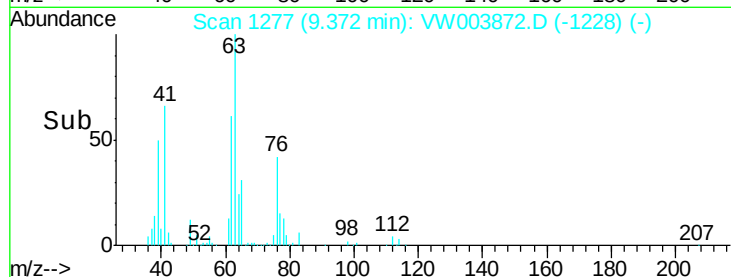
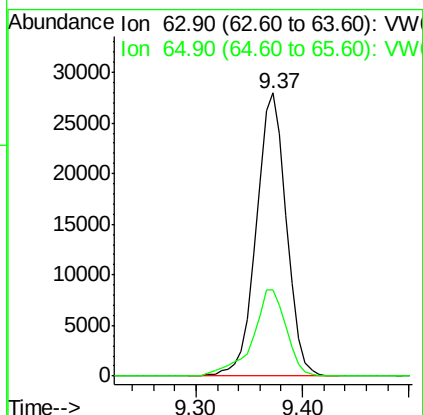
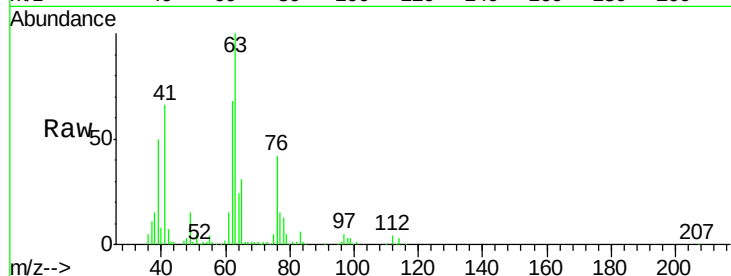
ClientSampled :

Tot Ion: 63 Resp: 55338

Ion Ratio Lower Upper

63 100

65 30.5 24.9 37.3



#46

Dibromomethane

Concen: 20.213 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

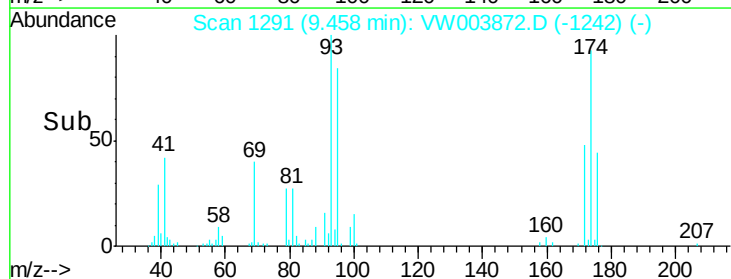
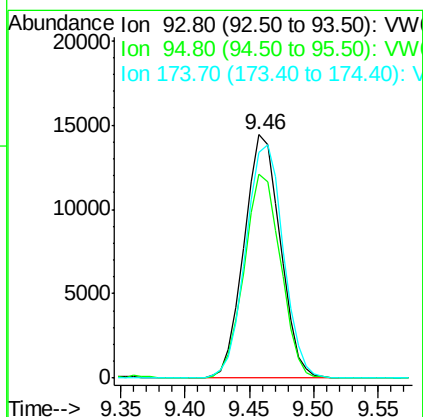
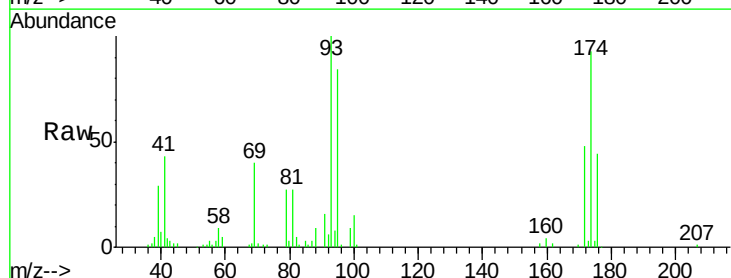
Tgt Ion: 93 Resp: 28093

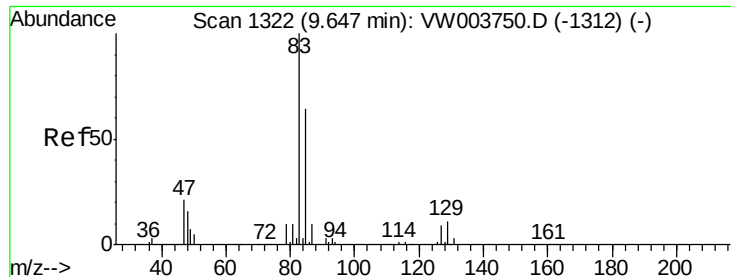
Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

174 99.3 78.1 117.1





#47

Bromodichloromethane

Concen: 20.573 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

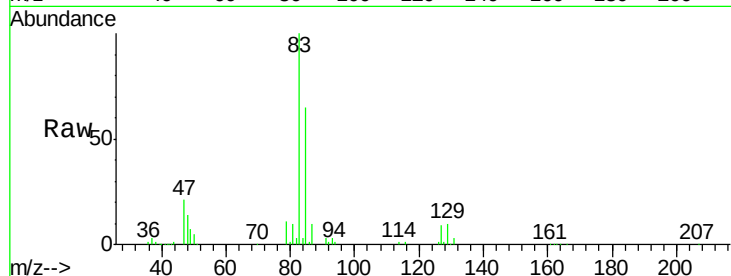
Tot Ion: 83 Resp: 70342

Ion Ratio Lower Upper

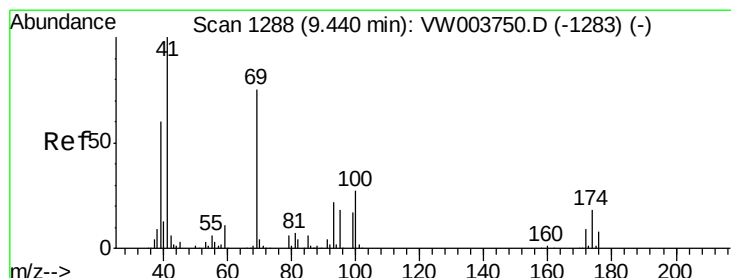
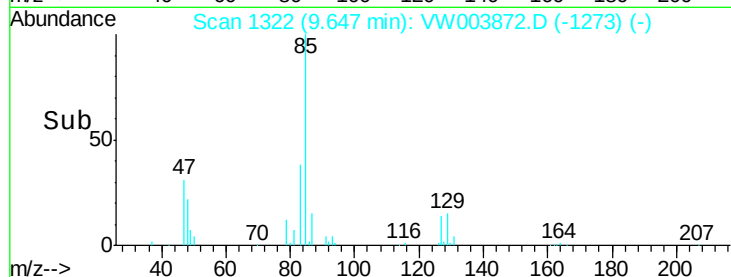
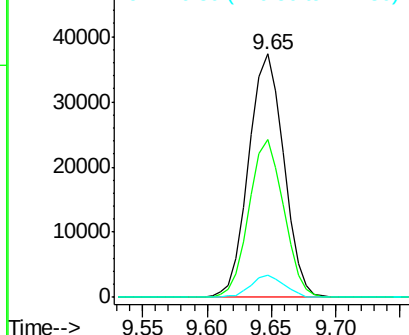
83 100

85 65.0 51.4 77.0

127 9.1 6.8 10.2



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



#48

Methyl methacrylate

Concen: 18.982 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

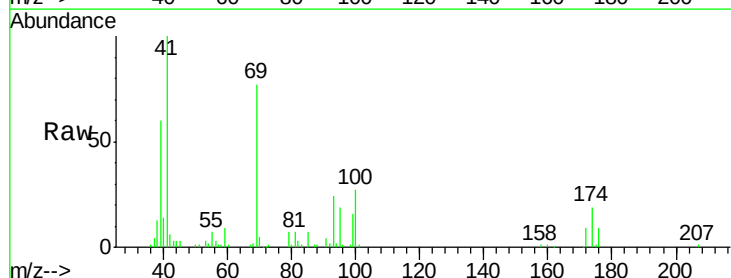
Tgt Ion: 41 Resp: 29643

Ion Ratio Lower Upper

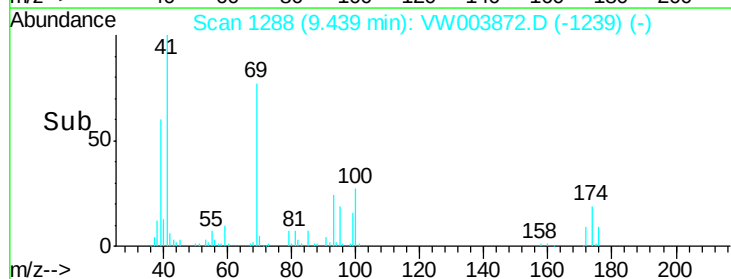
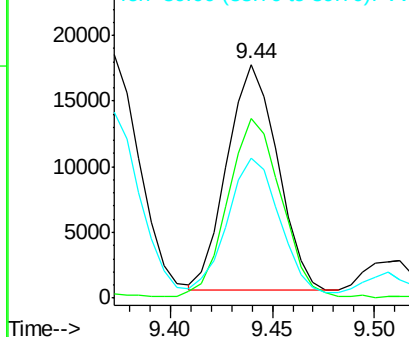
41 100

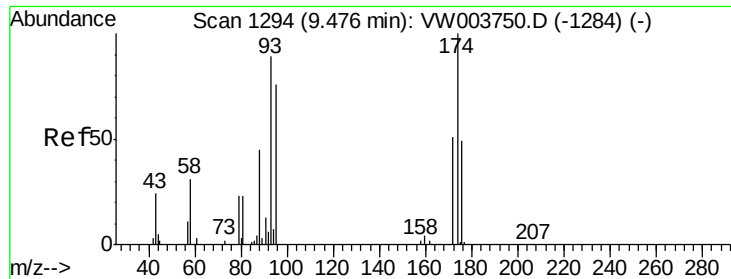
69 84.4 63.8 95.8

39 65.4 50.2 75.2



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





#49

1,4-Dioxane

Concen: 371.364 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

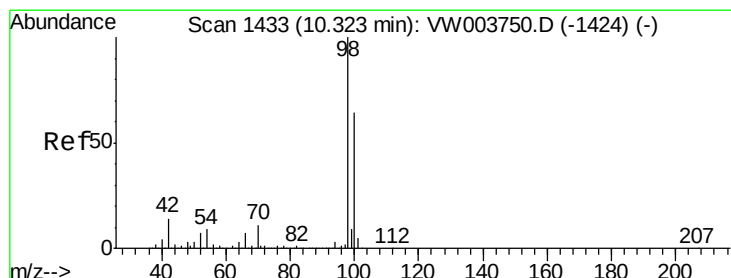
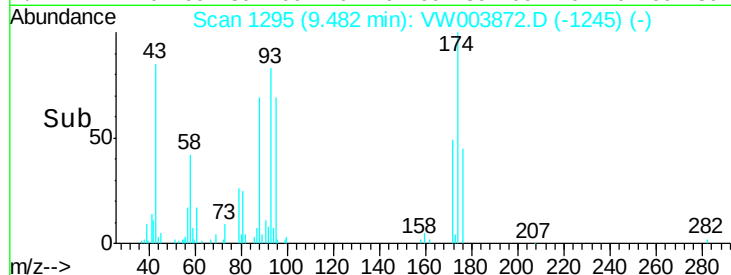
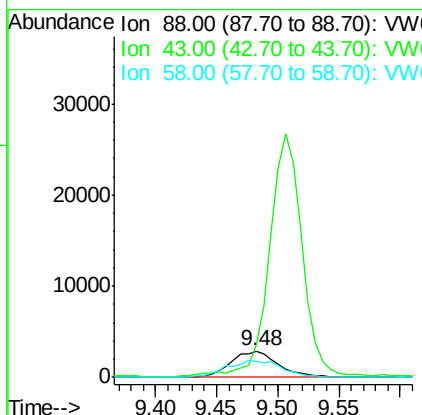
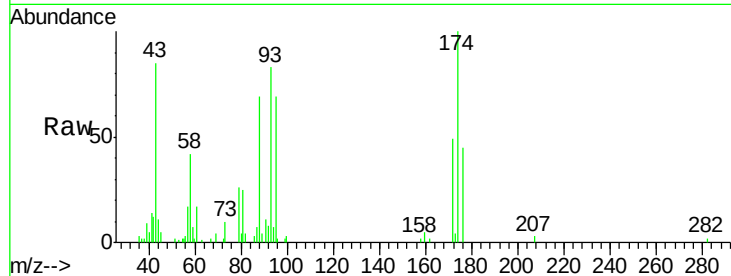
Tot Ion: 88 Resp: 7714

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 77.1 59.7 89.5



#50

Toluene-d8

Concen: 49.084 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003872.D

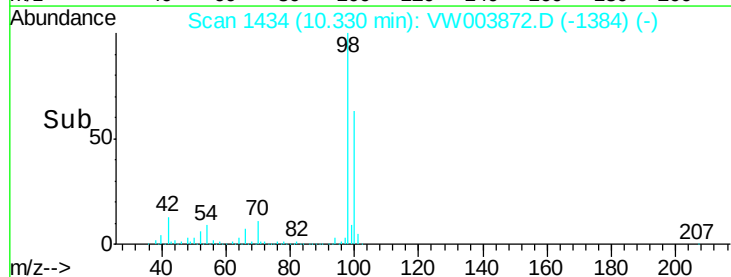
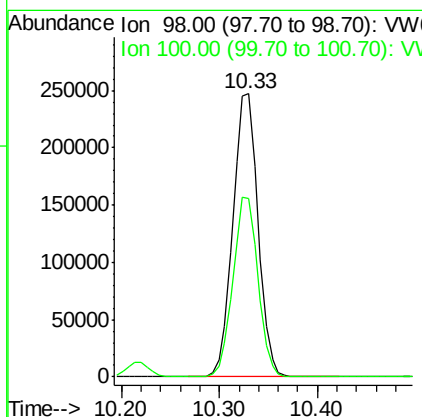
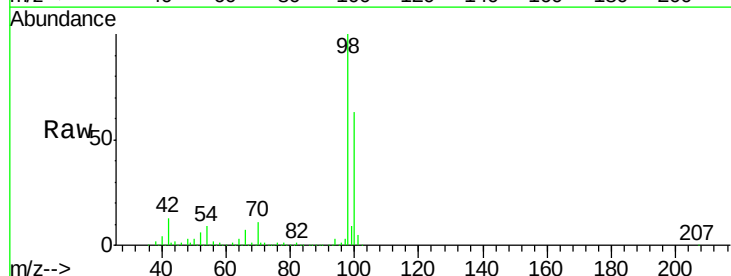
Acq: 11 Jul 2018 19:15

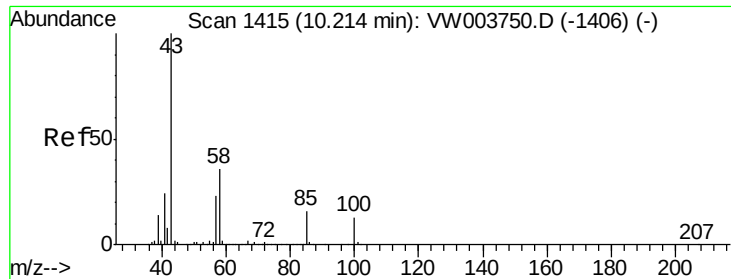
Tgt Ion: 98 Resp: 440385

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2

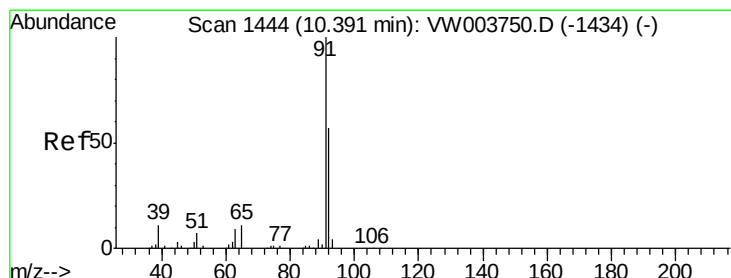
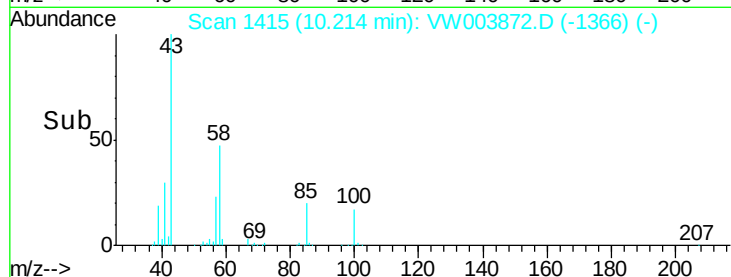
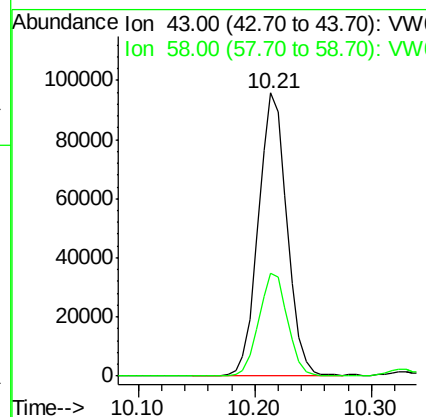
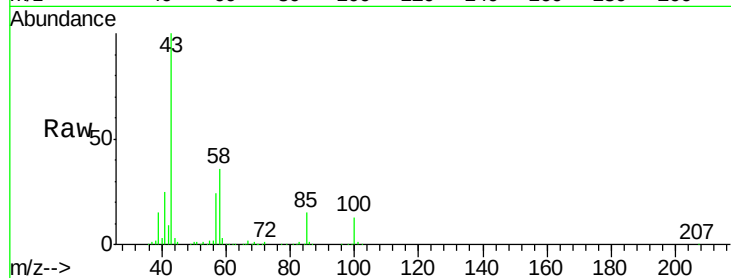




#51
 4-Methyl-2-Pentanone
 Concen: 97.156 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

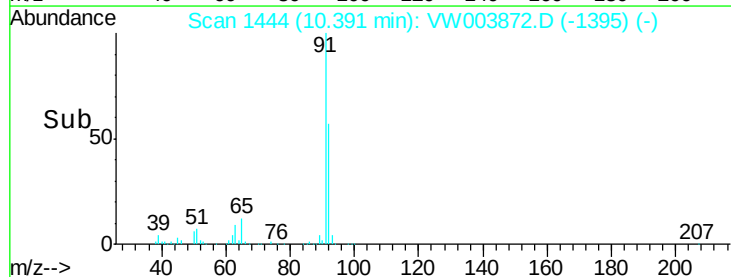
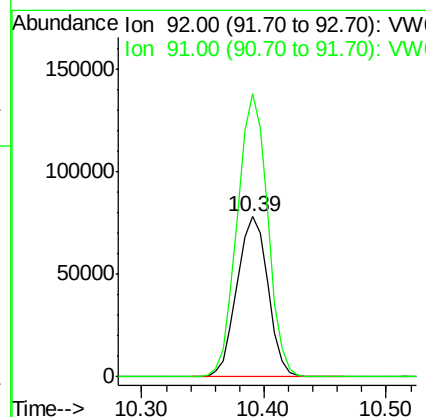
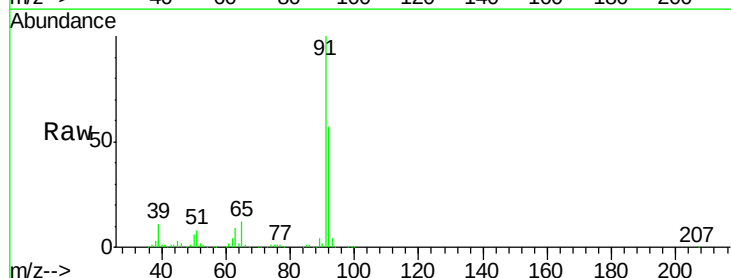
Instrument :
 MSVOA_W
 ClientSampled :

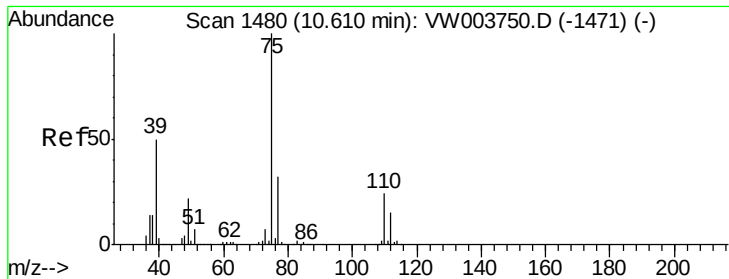
Tot Ion: 43 Resp: 164862
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.3 43.9



#52
 Toluene
 Concen: 21.735 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion: 92 Resp: 137009
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 20.141 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

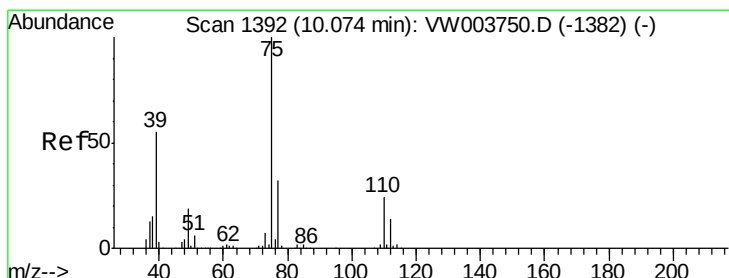
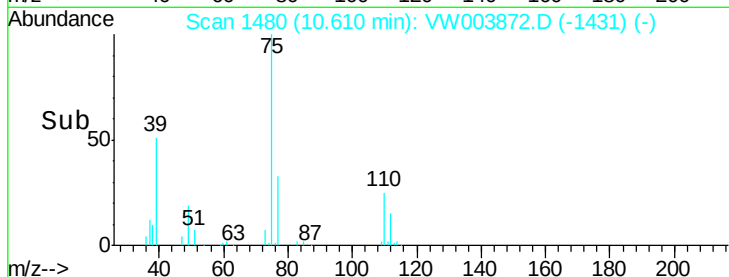
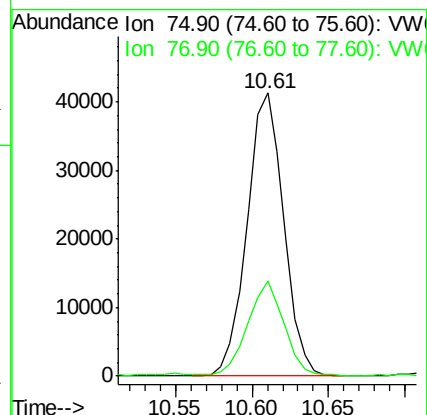
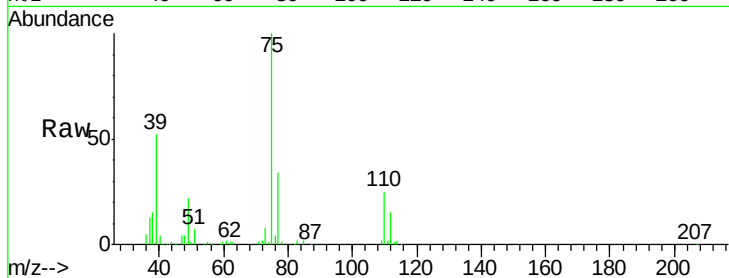
ClientSampleId :

Tot Ion: 75 Resp: 68758

Ion Ratio Lower Upper

75 100

77 33.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.712 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

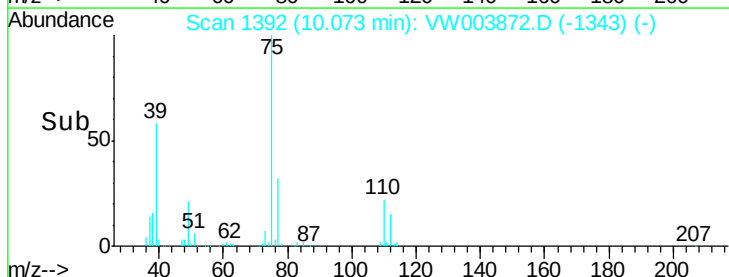
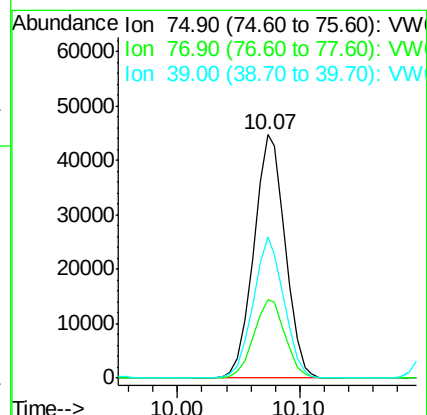
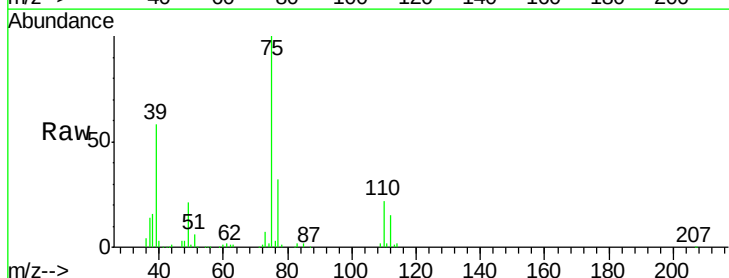
Tgt Ion: 75 Resp: 79820

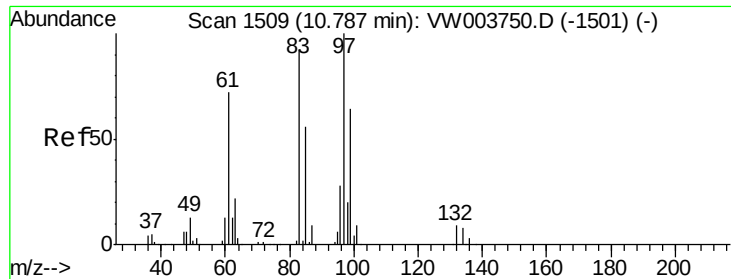
Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 57.7 43.6 65.4

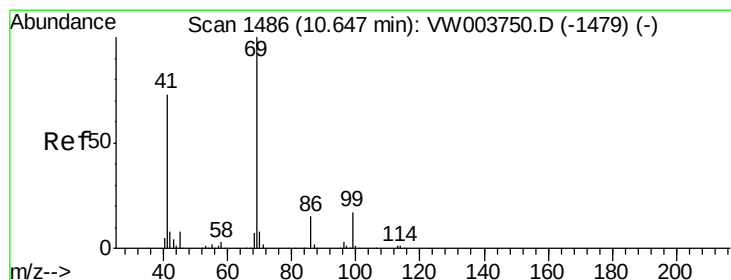
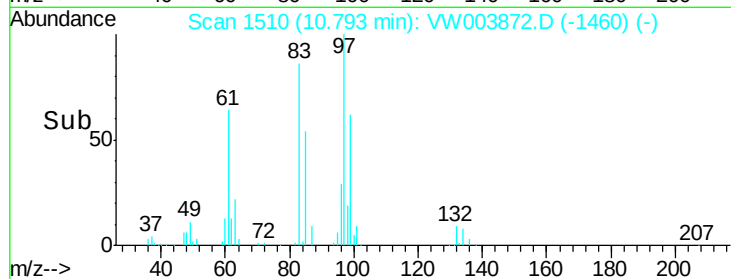
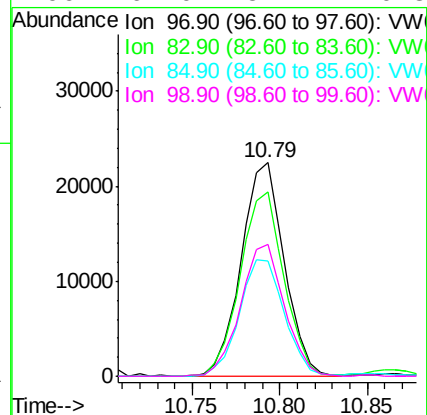
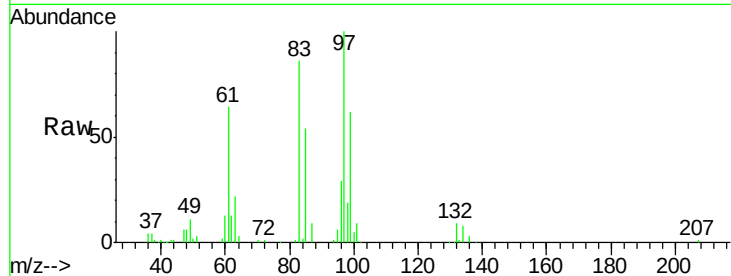




#55
 1,1,2-Trichloroethane
 Concen: 19.942 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

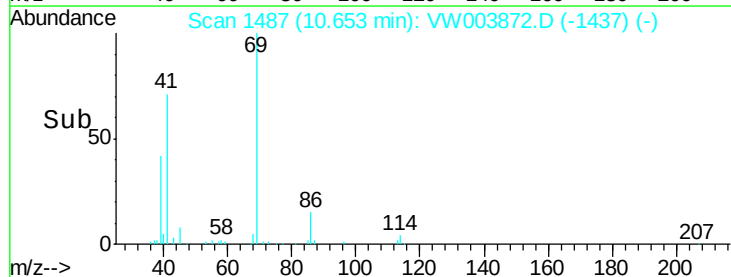
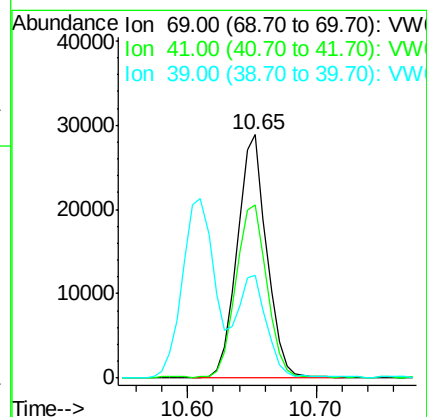
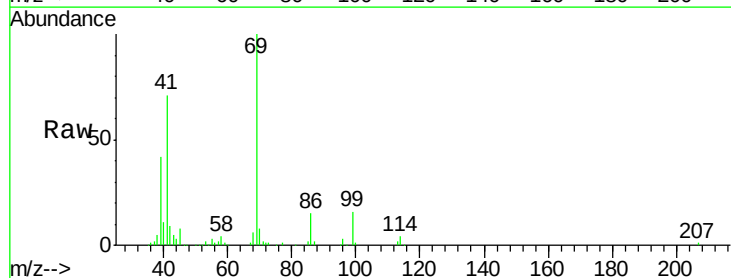
Instrument :
 MSVOA_W
 ClientSampleId :

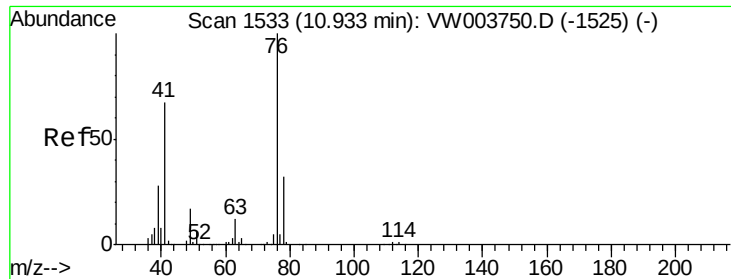
Tot Ion:	97	Resp:	38494
Ion	Ratio	Lower	Upper
97	100		
83	86.1	73.8	110.6
85	53.9	45.0	67.4
99	62.0	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 19.555 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion:	69	Resp:	46064
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.0	88.4
39	38.2	32.8	49.2

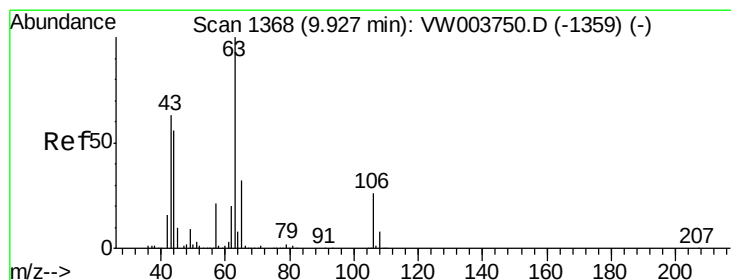
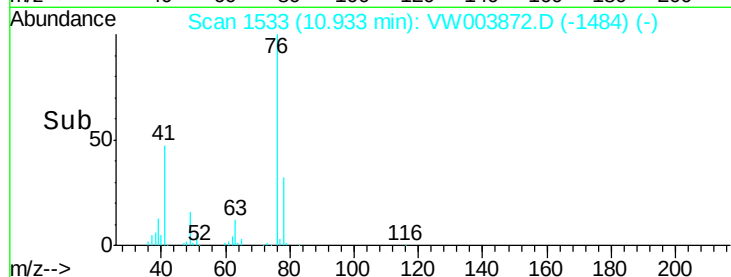
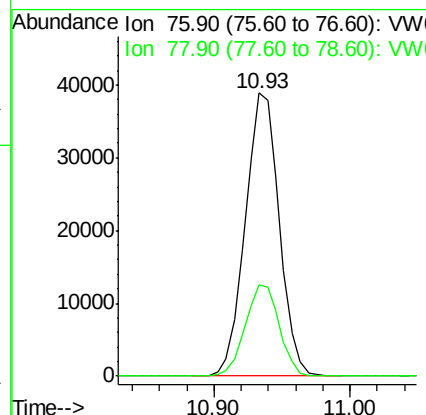
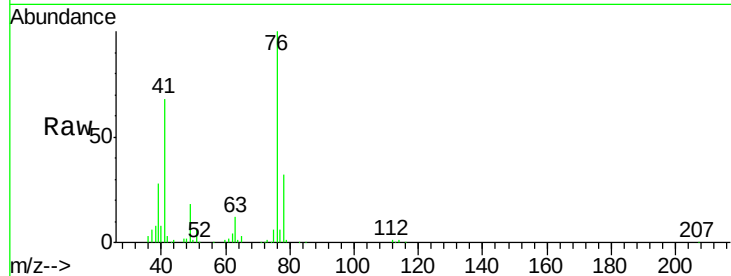




#57
 1,3-Dichloropropane
 Concen: 20.161 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

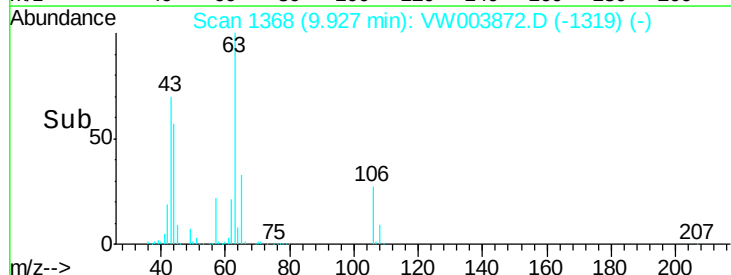
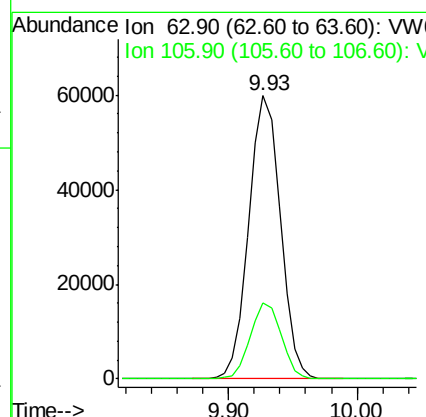
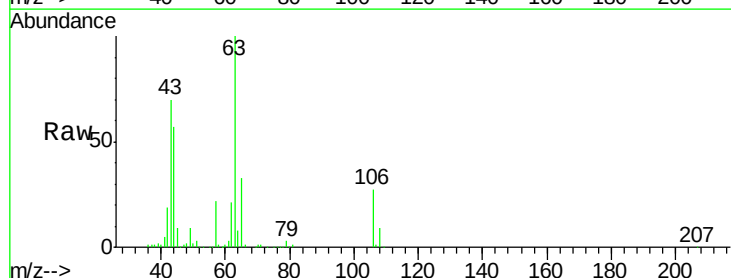
Instrument :
 MSVOA_W
 ClientSampled :

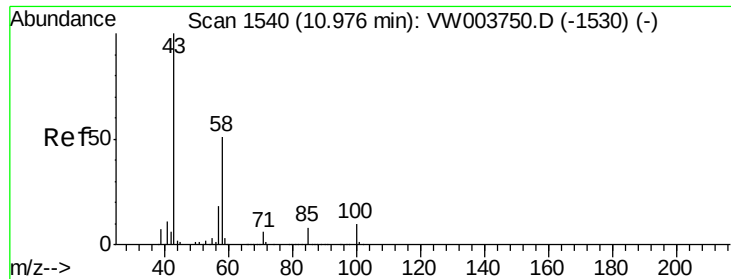
Tot Ion: 76 Resp: 67832
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.617 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion: 63 Resp: 101398
 Ion Ratio Lower Upper
 63 100
 106 26.4 20.9 31.3

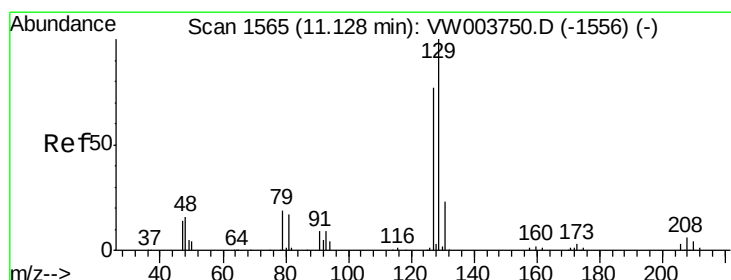
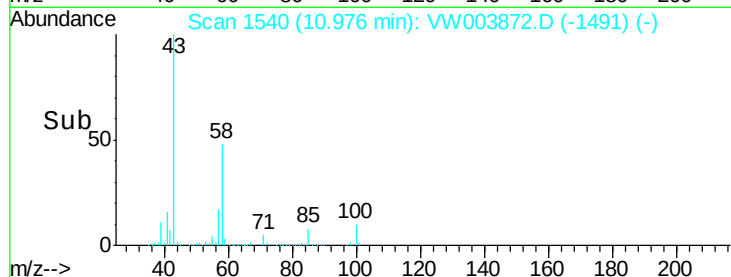
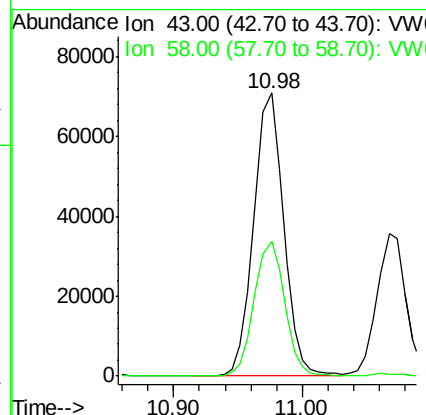
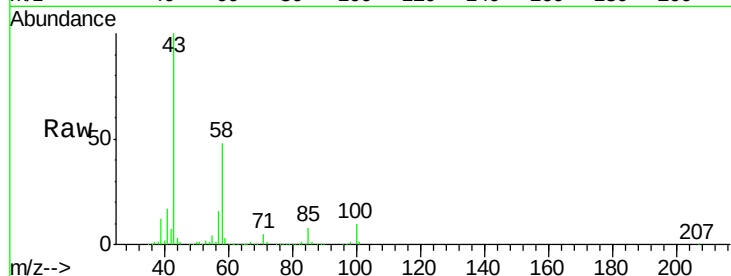




#59
2-Hexanone
Concen: 98.090 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

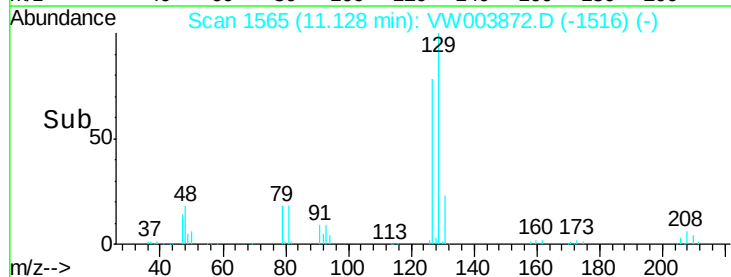
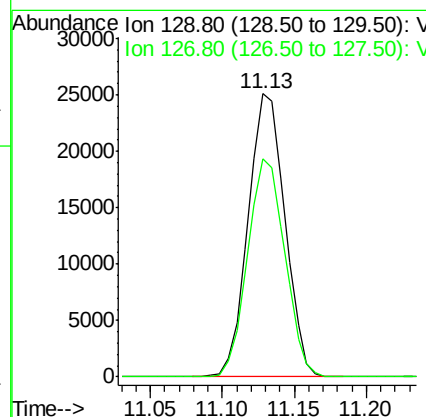
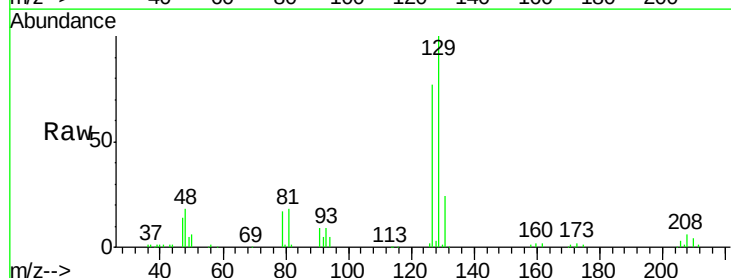
Instrument :
MSVOA_W
ClientSampleId :

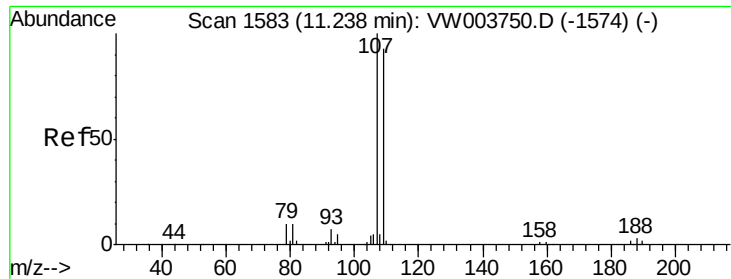
Tot Ion: 43 Resp: 114297
Ion Ratio Lower Upper
43 100
58 48.4 25.4 76.2



#60
Dibromochloromethane
Concen: 19.646 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 129 Resp: 44269
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6

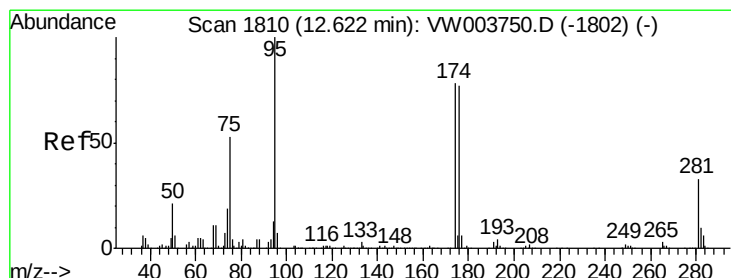
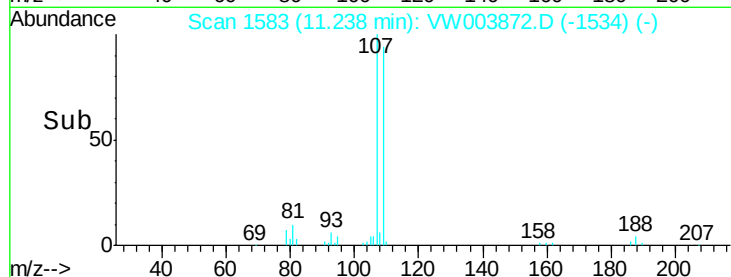
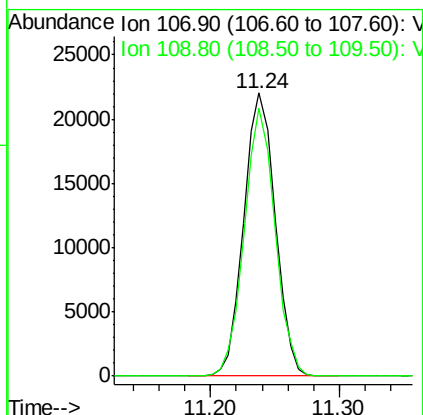
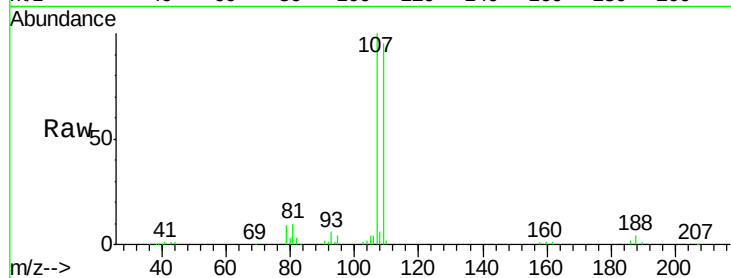




#61
 1,2-Dibromoethane
 Concen: 20.146 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

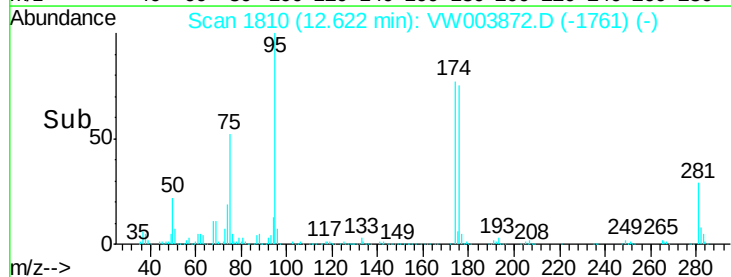
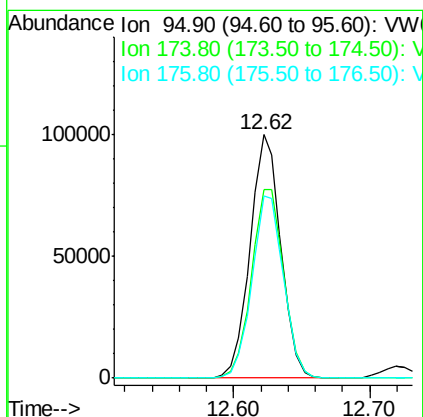
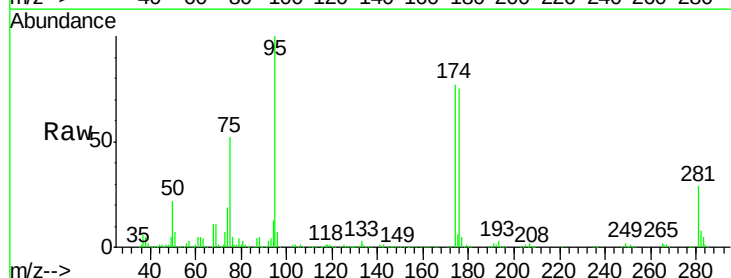
Instrument :
 MSVOA_W
 ClientSampleId :

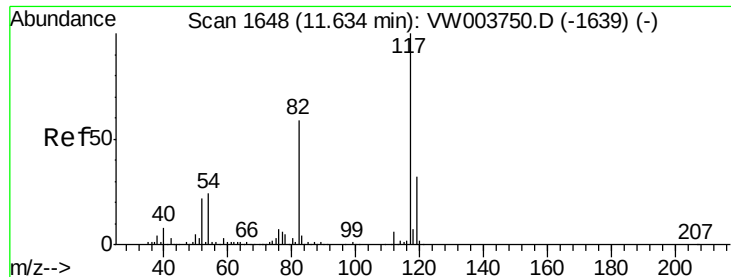
Tot Ion: 107 Resp: 37190
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.772 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion: 95 Resp: 158326
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 163.4
 176 76.7 0.0 156.8

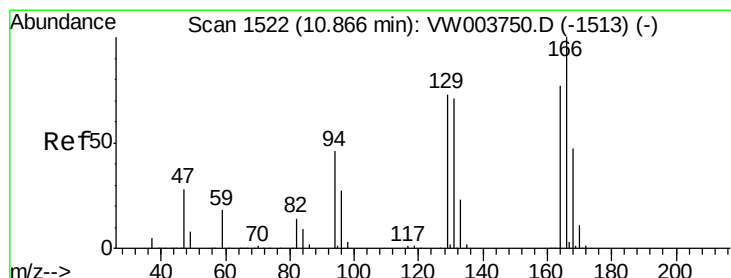
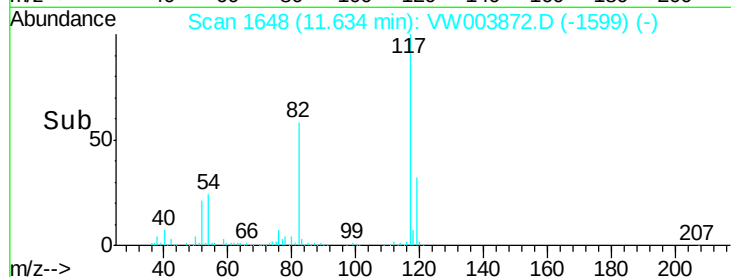
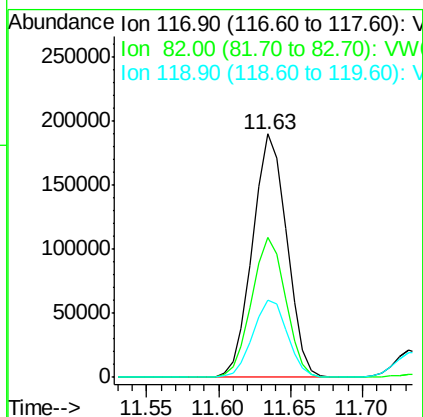
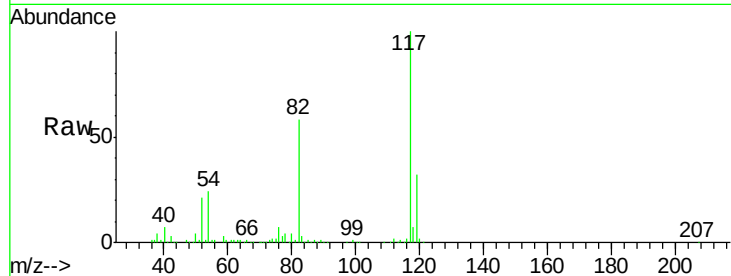




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

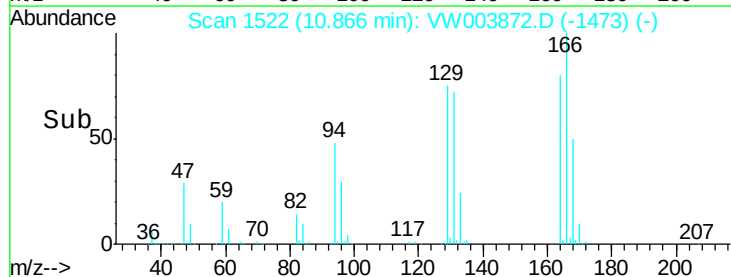
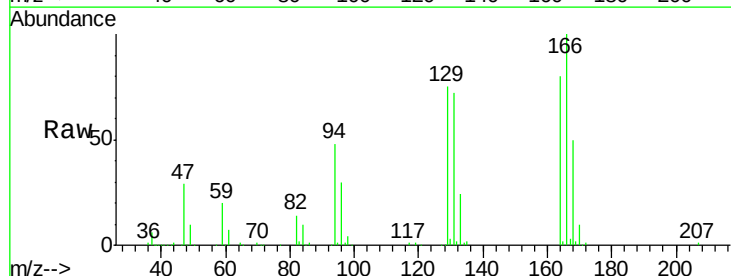
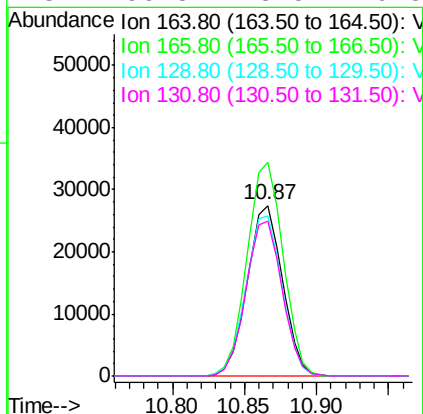
Instrument :
MSVOA_W
ClientSampleId :

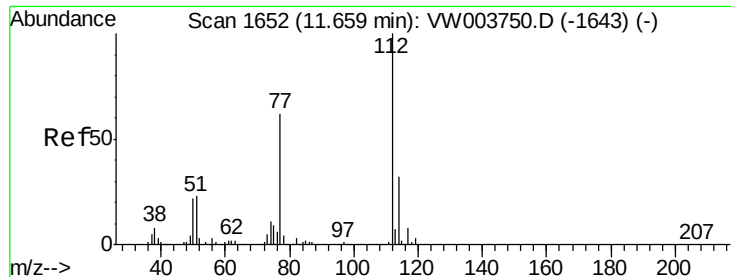
Tot Ion:117 Resp: 312112
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 20.141 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion:164 Resp: 46500
Ion Ratio Lower Upper
164 100
166 125.3 104.2 156.4
129 93.7 75.8 113.8
131 90.8 73.5 110.3





#65

Chlorobenzene

Concen: 21.317 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

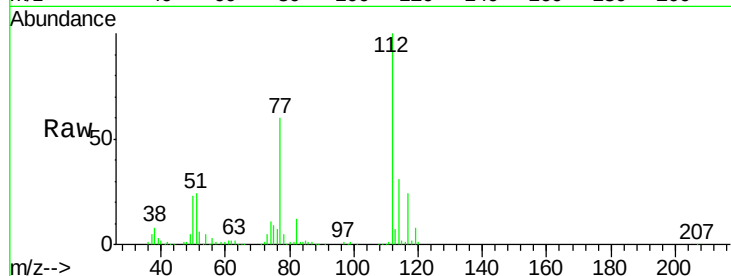
ClientSampleId :

Tot Ion:112 Resp: 146669

Ion Ratio Lower Upper

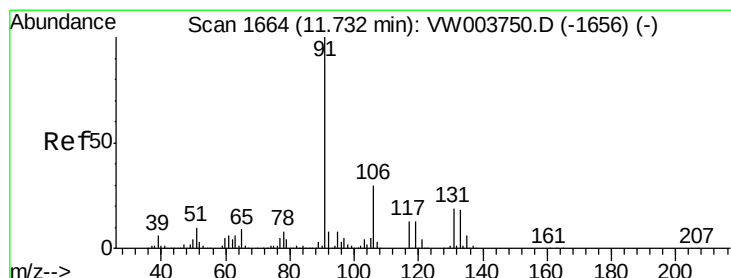
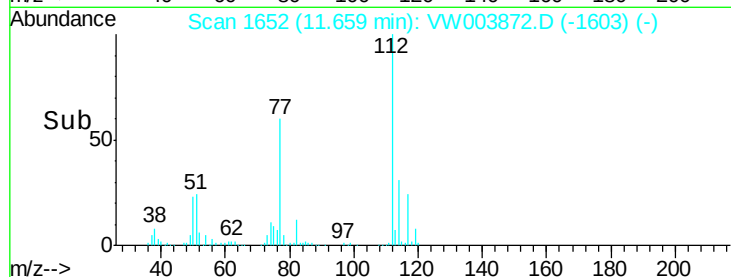
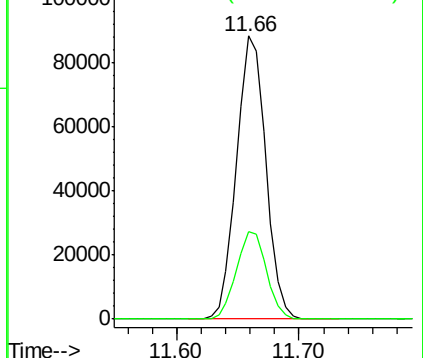
112 100

114 31.0 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.902 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

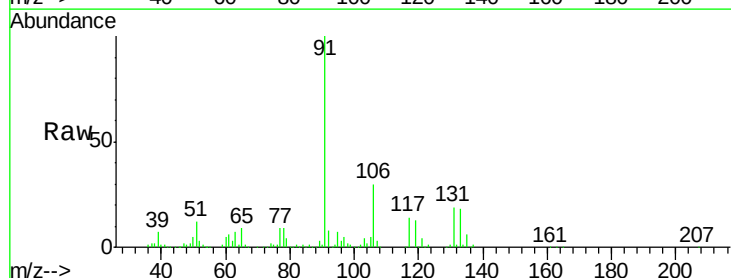
Tgt Ion:131 Resp: 50256

Ion Ratio Lower Upper

131 100

133 92.1 48.0 144.2

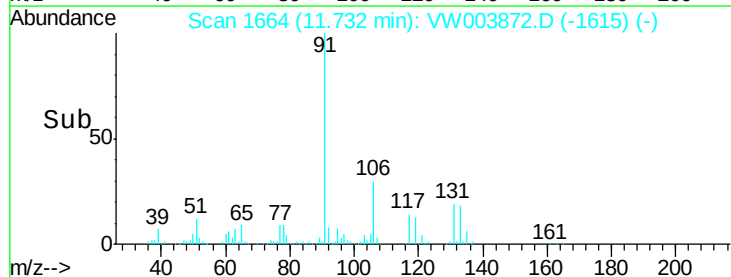
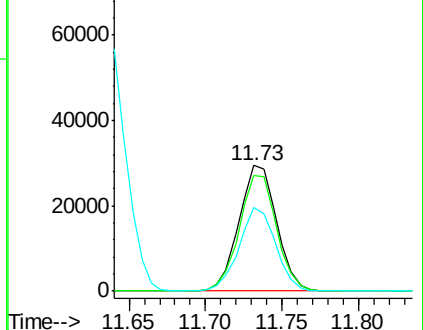
119 64.9 33.2 99.6

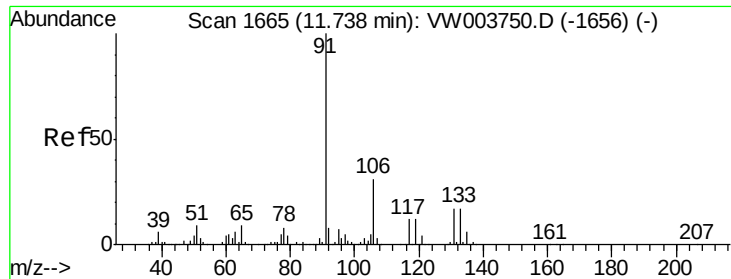


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

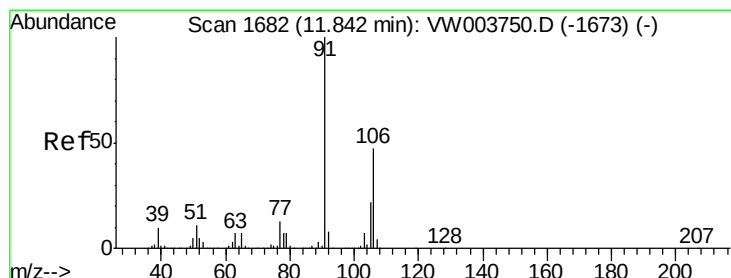
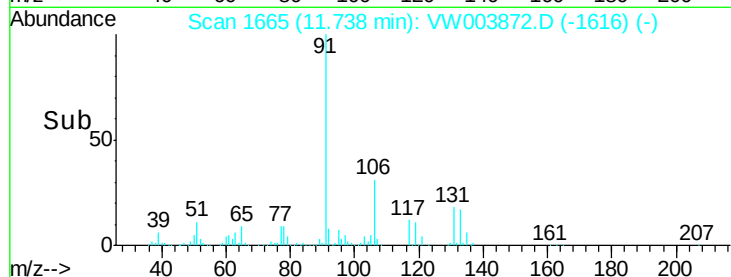
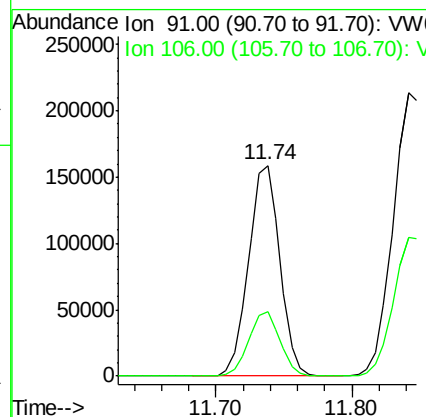
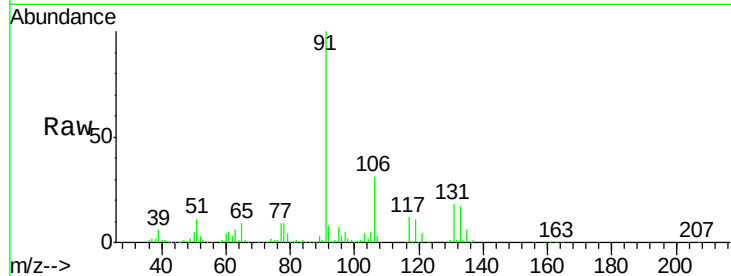




#67
Ethyl Benzene
Concen: 21.780 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

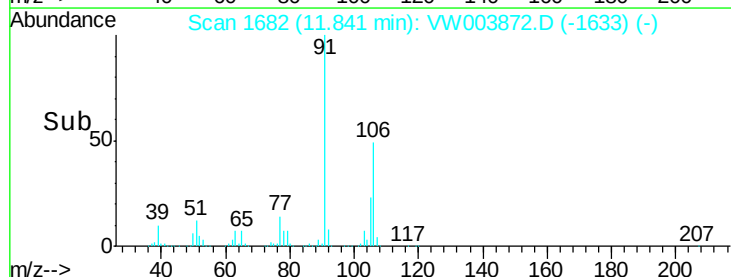
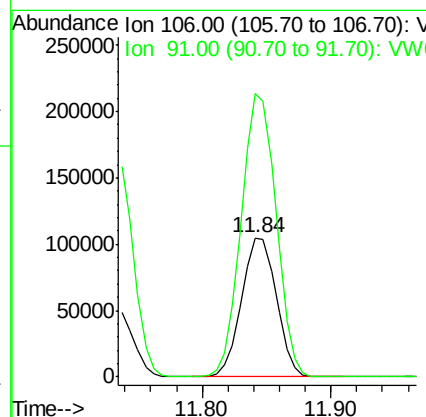
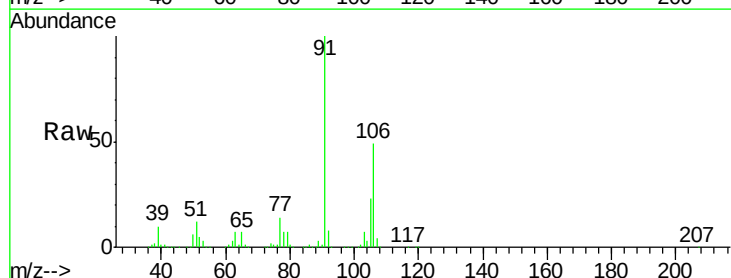
Instrument :
MSVOA_W
ClientSampled :

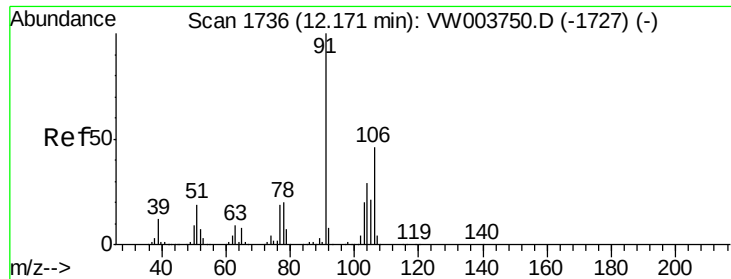
Tot Ion: 91 Resp: 256243
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 43.656 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion: 106 Resp: 196680
Ion Ratio Lower Upper
106 100
91 203.7 164.3 246.5

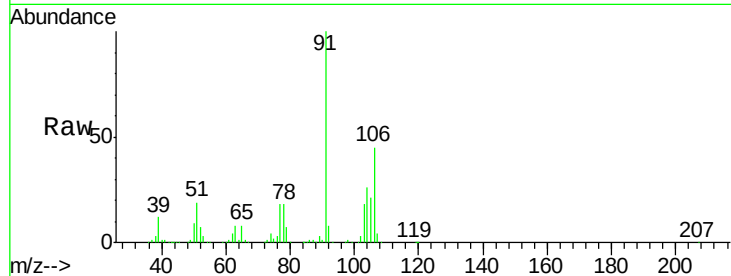




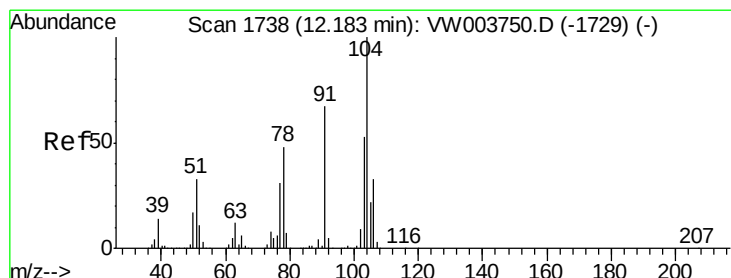
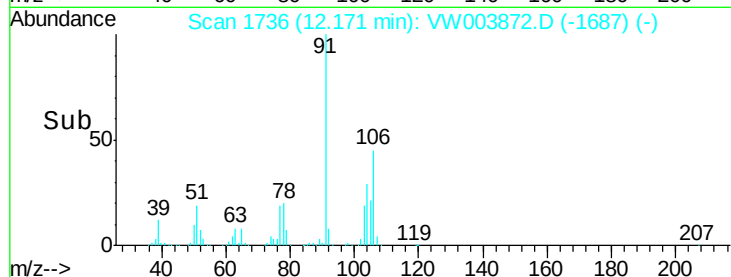
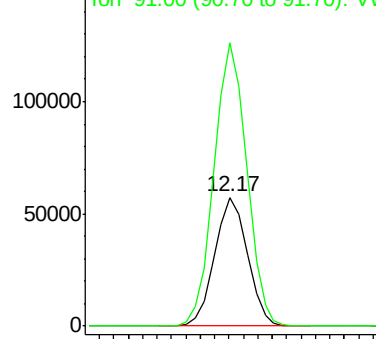
#69
o-Xylene
Concen: 21.751 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 90421
Ion Ratio Lower Upper
106 100
91 220.1 109.1 327.2

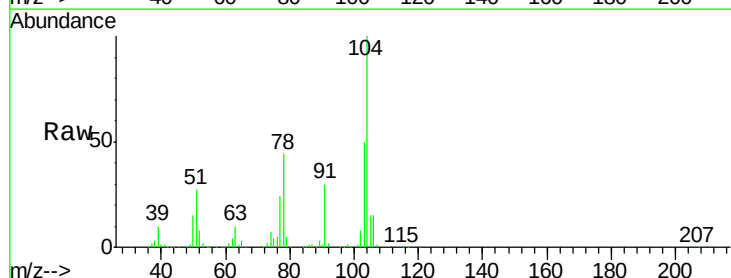


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

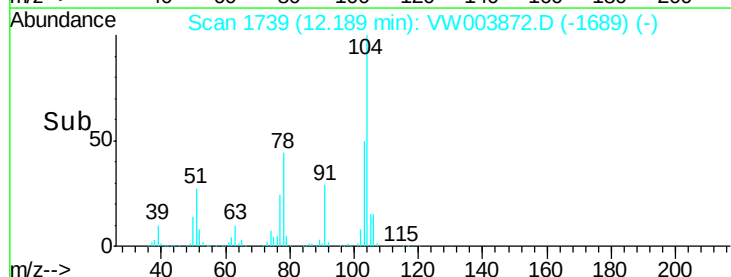
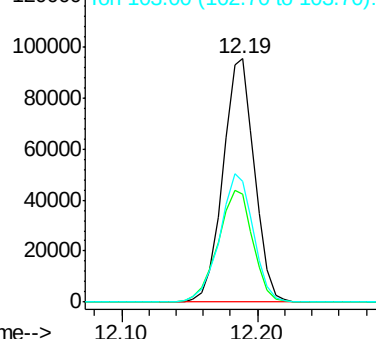


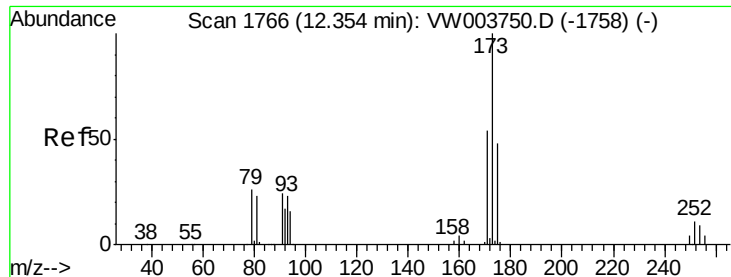
#70
Styrene
Concen: 21.893 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion:104 Resp: 154762
Ion Ratio Lower Upper
104 100
78 50.8 41.1 61.7
103 56.2 44.6 67.0



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





#71

Bromoform

Concen: 19.983 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

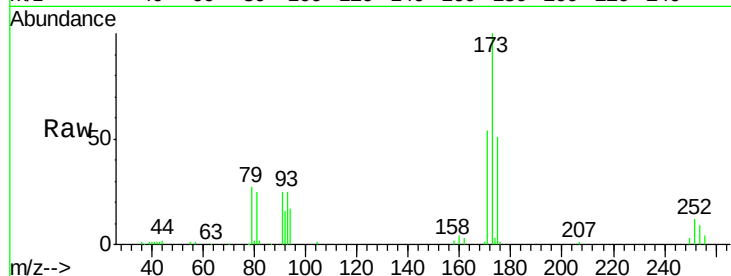
Tot Ion:173 Resp: 26516

Ion Ratio Lower Upper

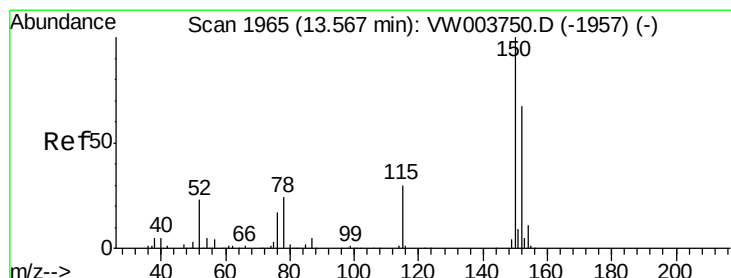
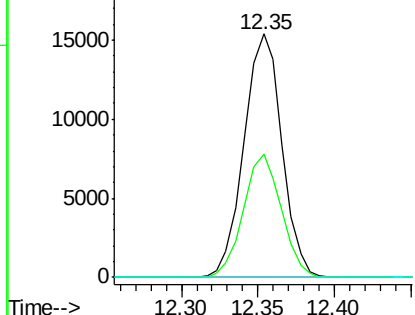
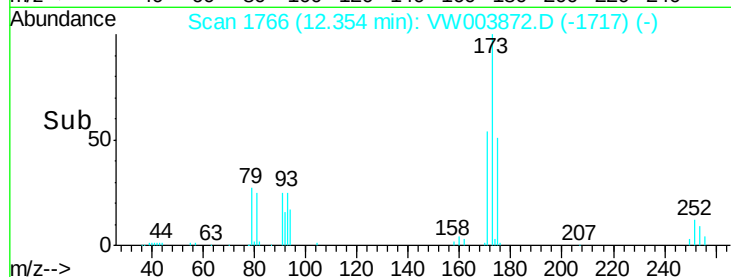
173 100

175 50.6 24.1 72.4

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: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

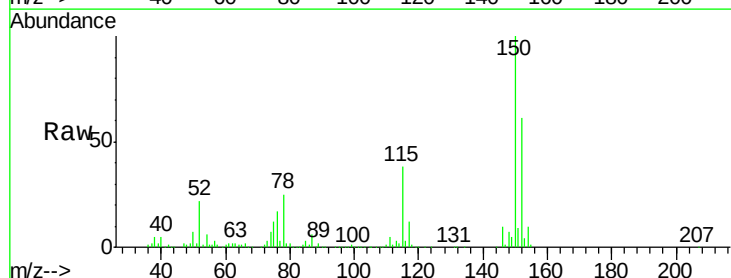
Tgt Ion:152 Resp: 169192

Ion Ratio Lower Upper

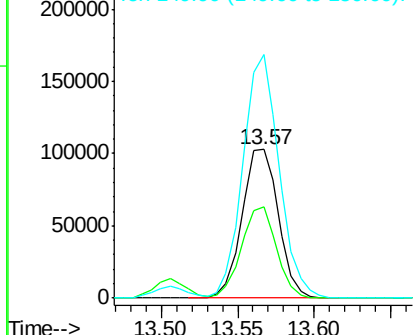
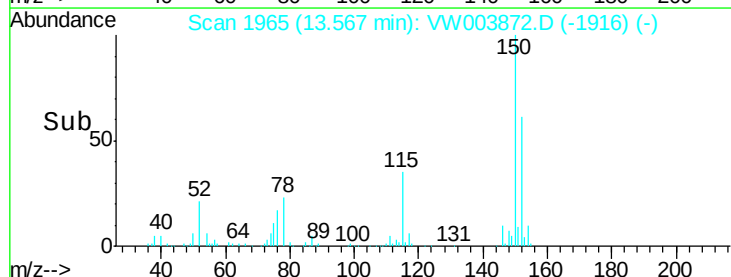
152 100

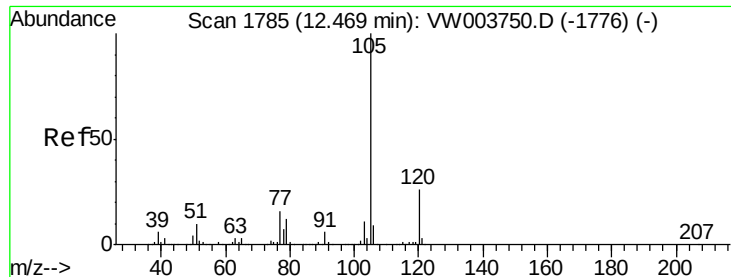
115 59.3 28.9 86.8

150 163.4 0.0 342.4



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





#73

Isopropylbenzene

Concen: 21.921 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

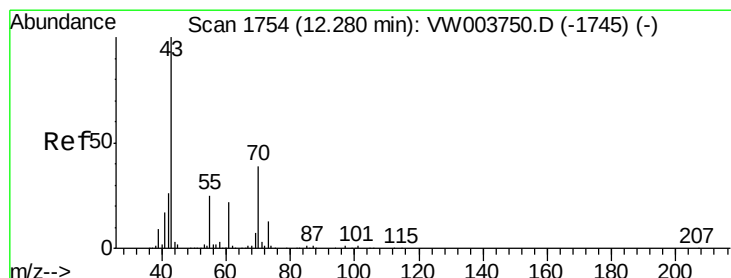
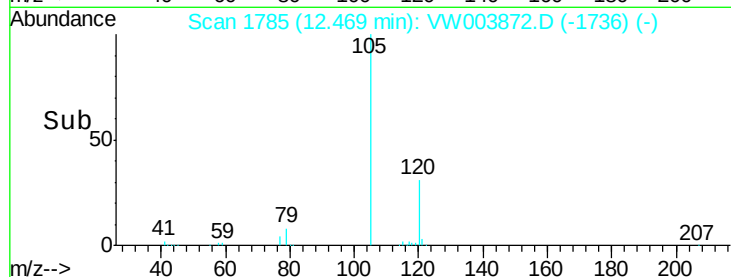
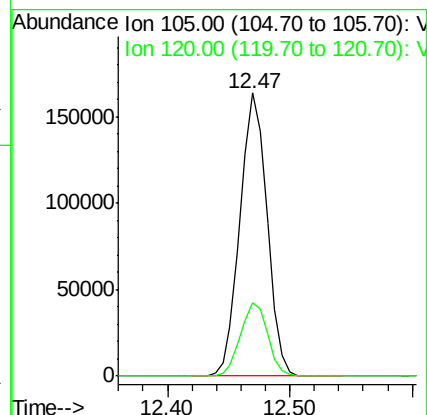
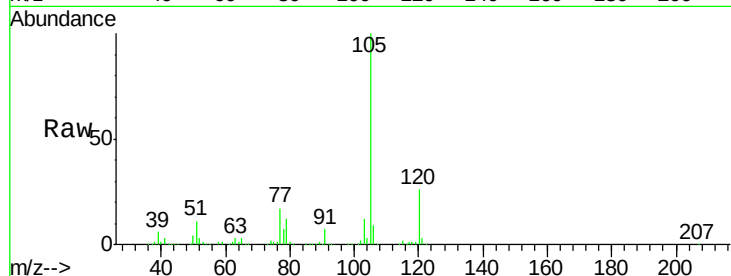
ClientSampleId :

Tot Ion:105 Resp: 251176

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 19.589 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Tgt Ion: 43 Resp: 60839

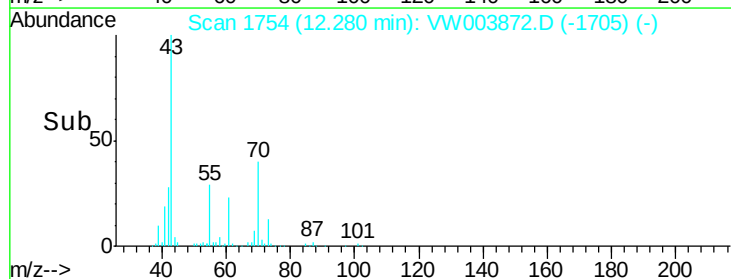
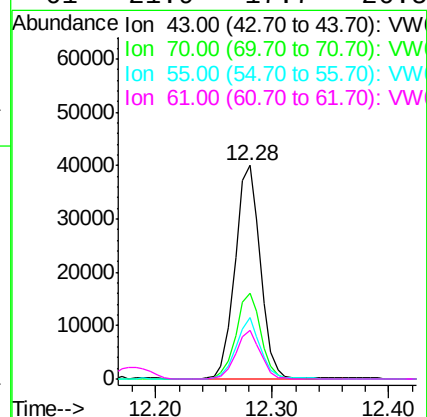
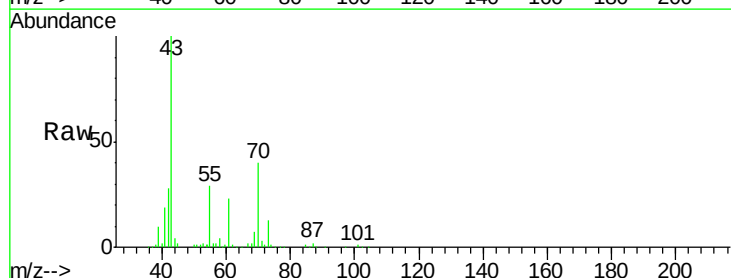
Ion Ratio Lower Upper

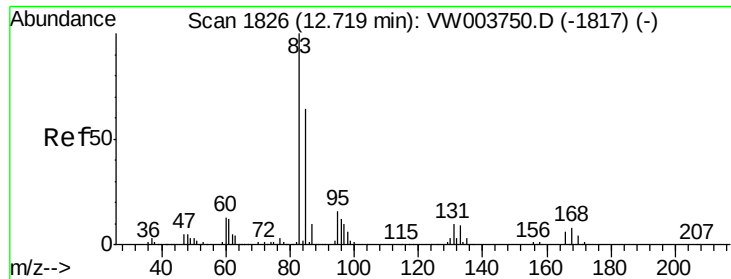
43 100

70 39.9 31.3 46.9

55 27.7 20.1 30.1

61 21.9 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.384 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

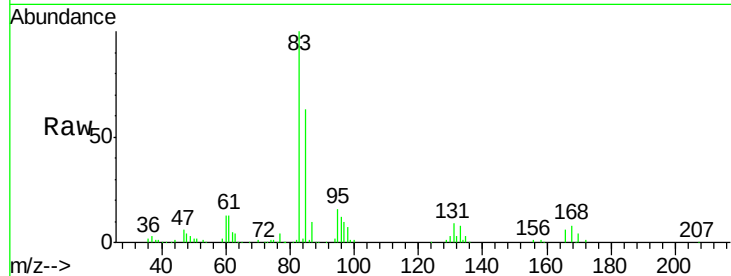
Tot Ion: 83 Resp: 47348

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

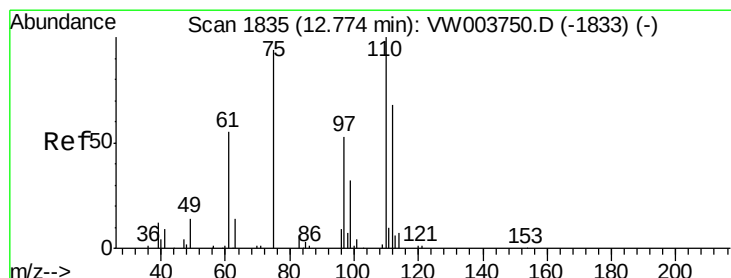
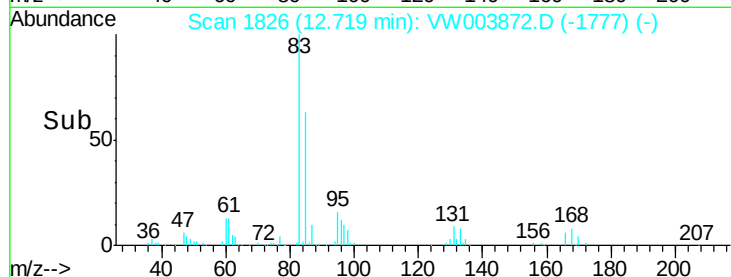
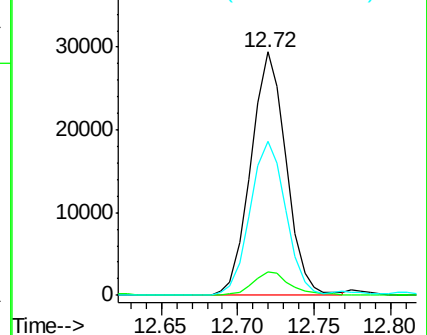
85 64.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.699 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003872.D

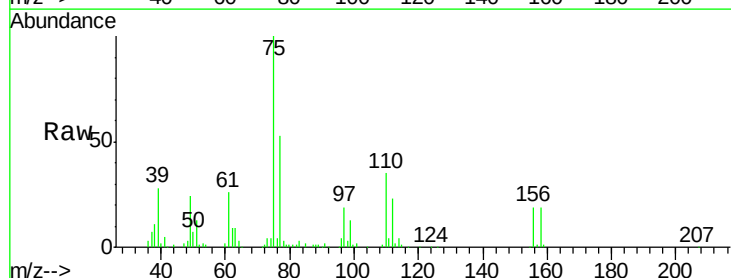
Acq: 11 Jul 2018 19:15

Tgt Ion: 75 Resp: 62635

Ion Ratio Lower Upper

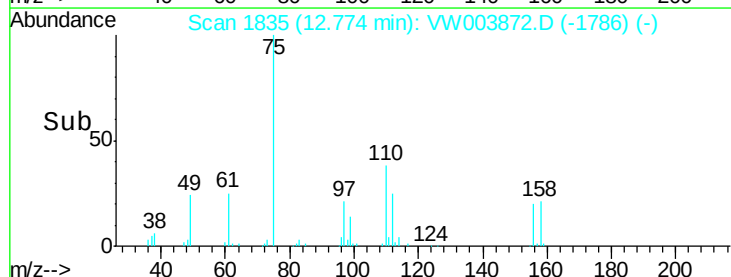
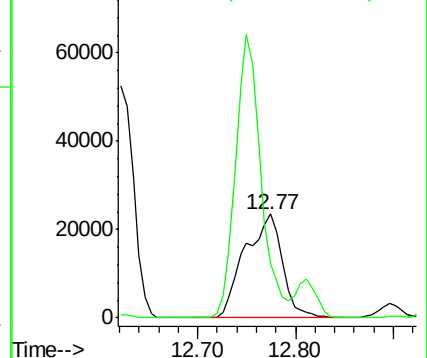
75 100

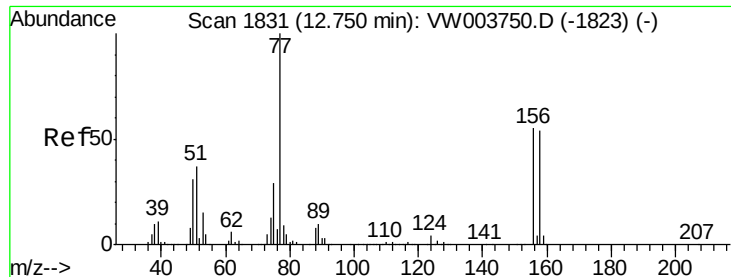
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.976 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

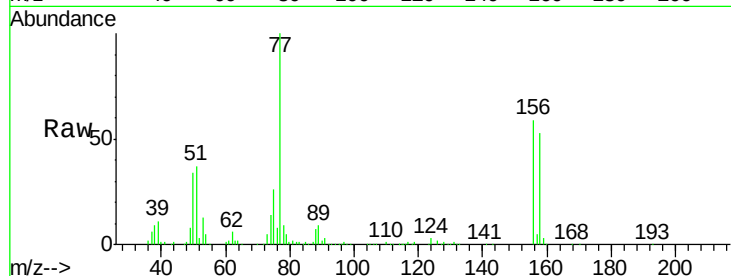
Tot Ion:156 Resp: 59667

Ion Ratio Lower Upper

156 100

77 195.1 98.7 296.0

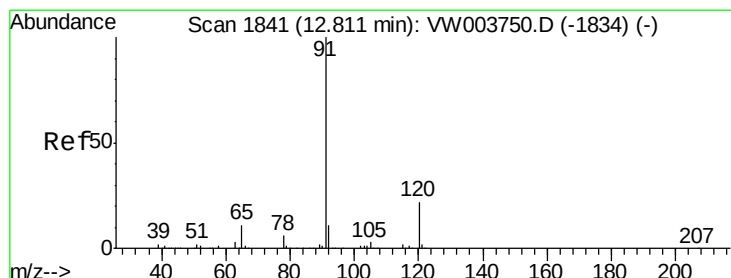
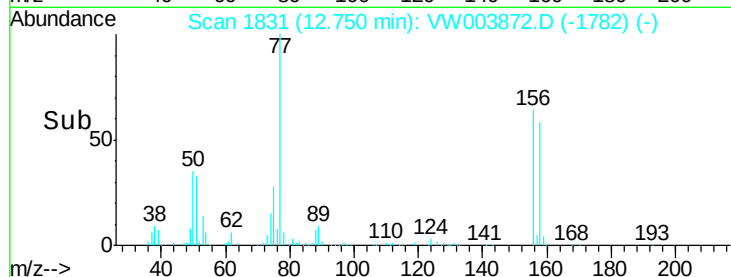
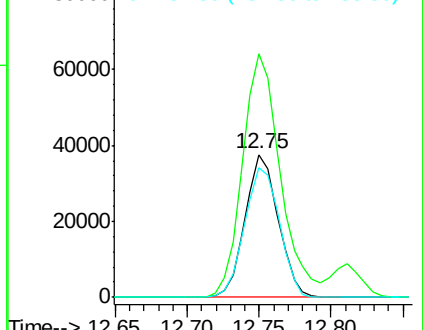
158 96.2 49.0 147.0



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: 22.182 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003872.D

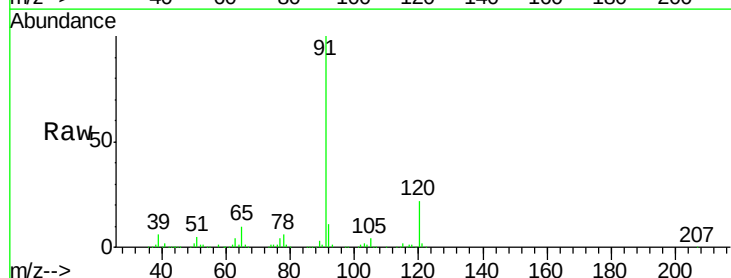
Acq: 11 Jul 2018 19:15

Tgt Ion: 91 Resp: 319056

Ion Ratio Lower Upper

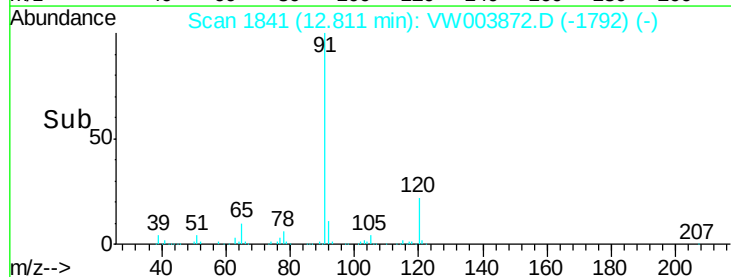
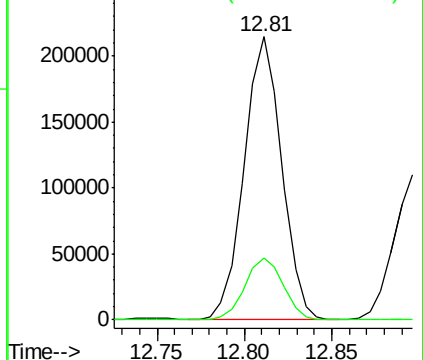
91 100

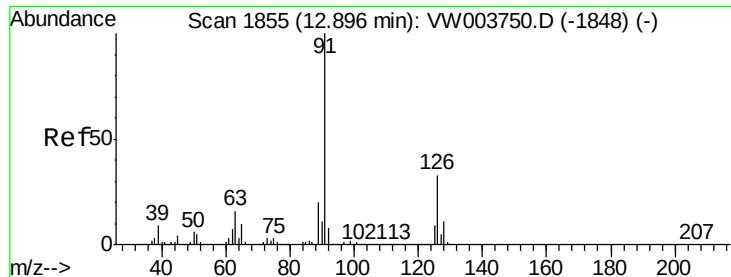
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.592 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

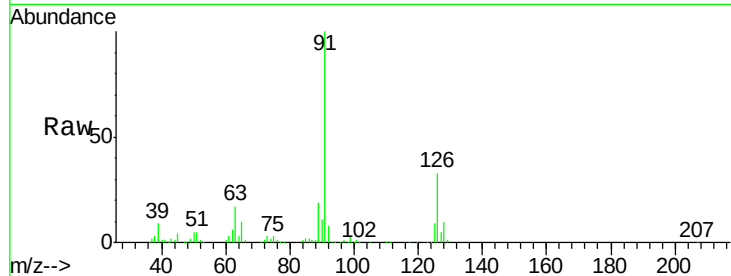
ClientSampleId :

Tot Ion: 91 Resp: 178422

Ion Ratio Lower Upper

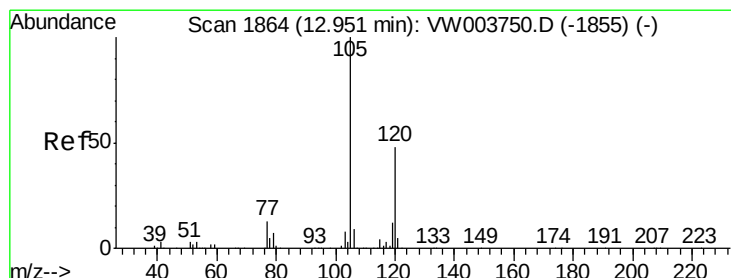
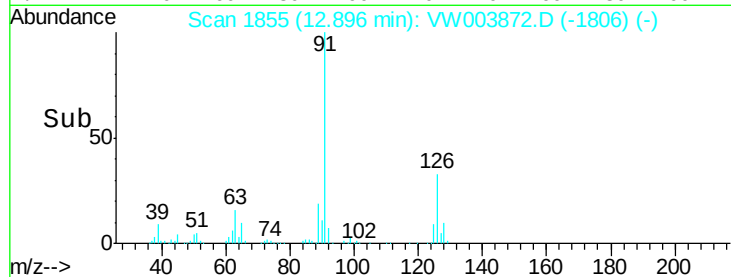
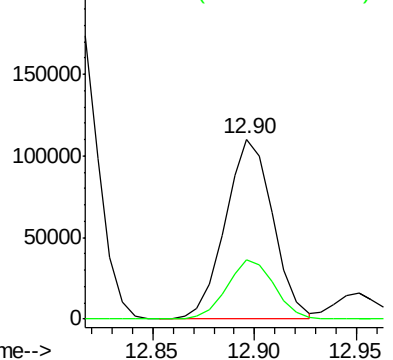
91 100

126 33.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.354 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003872.D

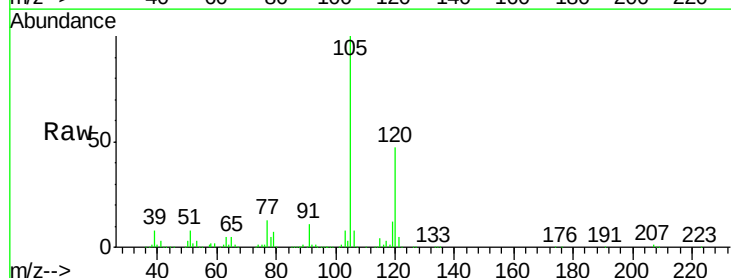
Acq: 11 Jul 2018 19:15

Tgt Ion:105 Resp: 220760

Ion Ratio Lower Upper

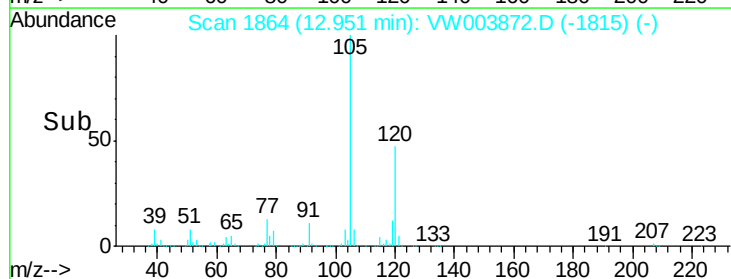
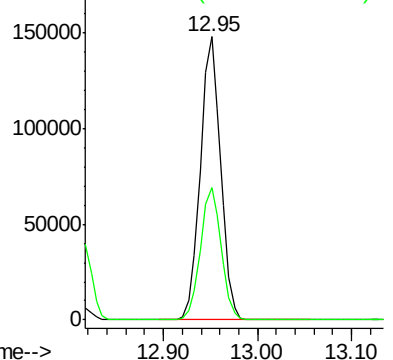
105 100

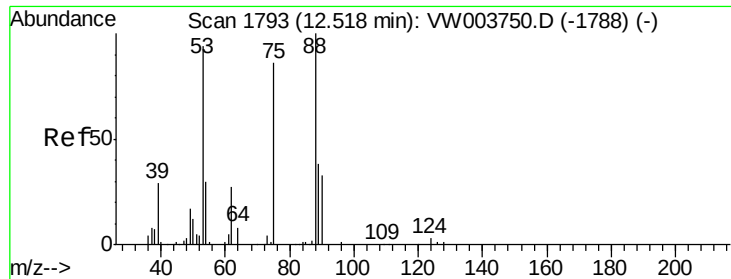
120 47.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.623 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

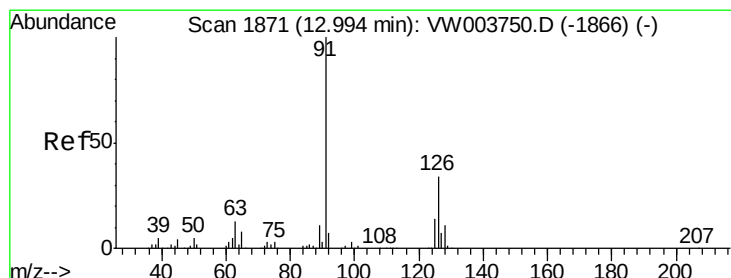
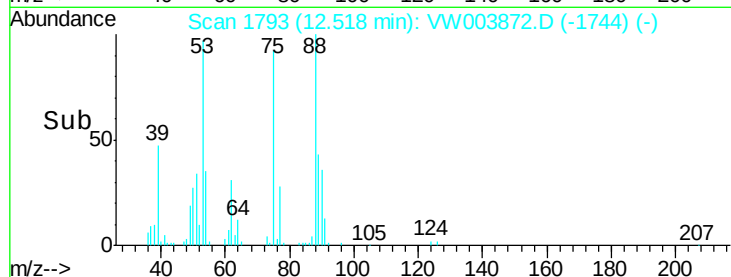
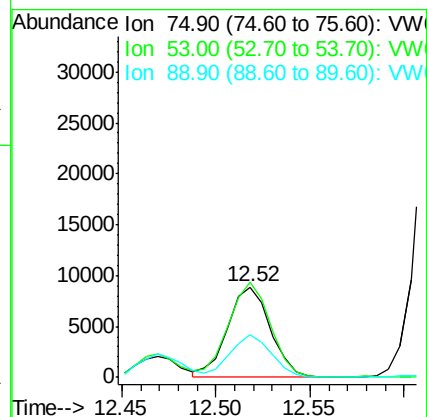
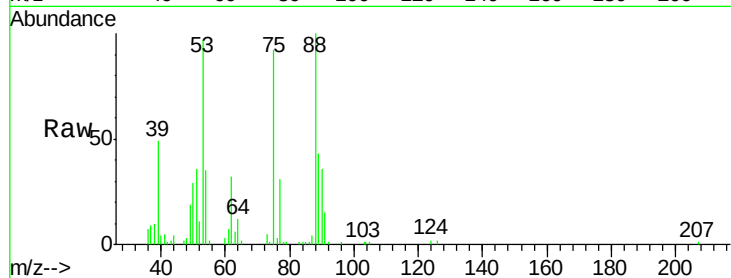
Tot Ion: 75 Resp: 14007

Ion Ratio Lower Upper

75 100

53 102.5 85.0 127.6

89 45.8 36.3 54.5



#82

4-Chlorotoluene

Concen: 21.839 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003872.D

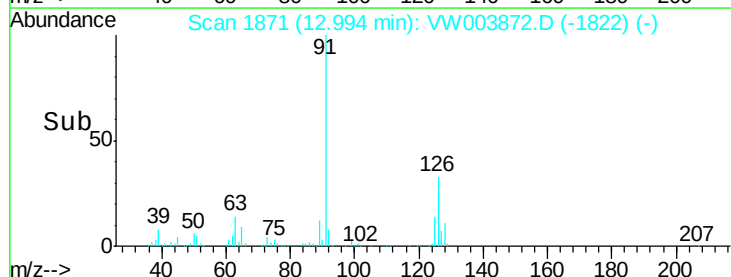
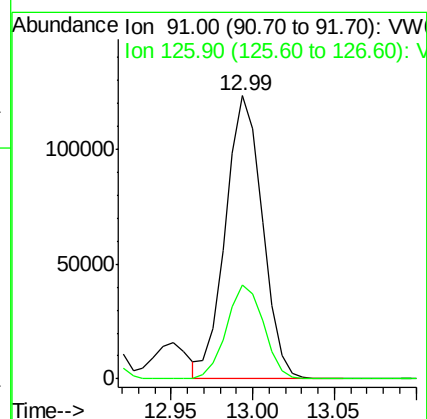
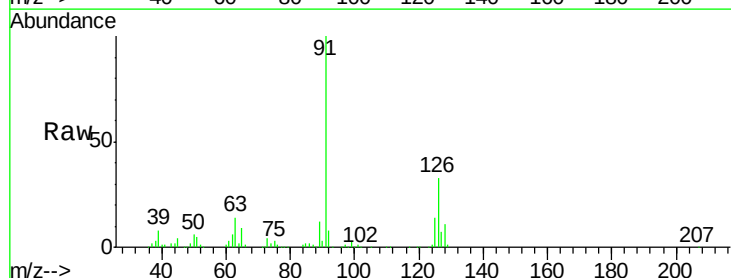
Acq: 11 Jul 2018 19:15

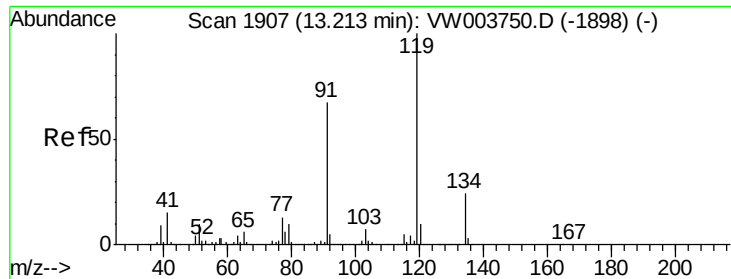
Tgt Ion: 91 Resp: 194056

Ion Ratio Lower Upper

91 100

126 33.3 16.5 49.5

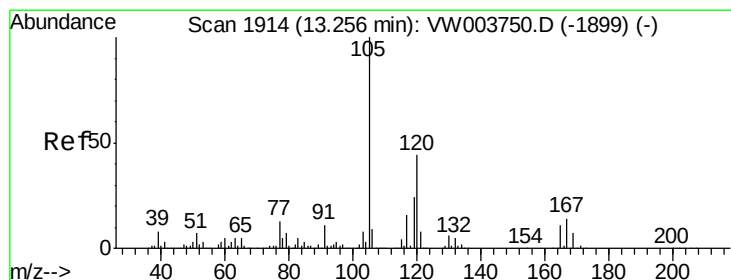
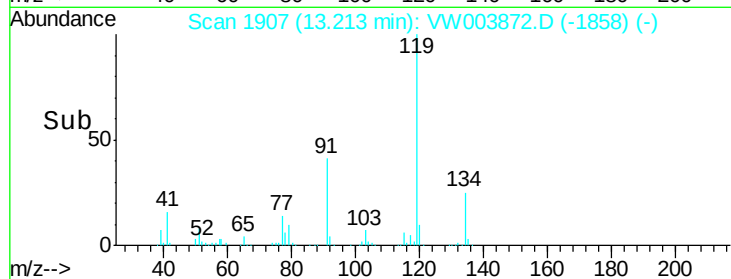
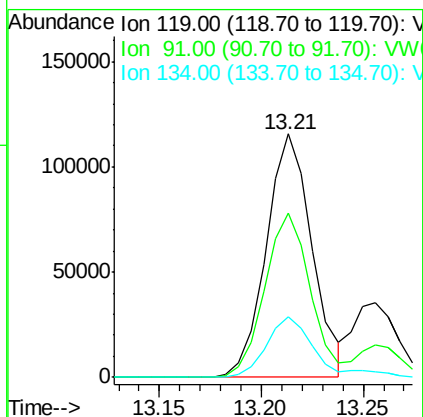
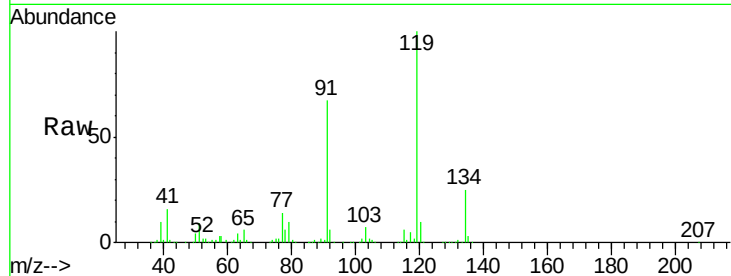




#83
tert-Butylbenzene
Concen: 22.198 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

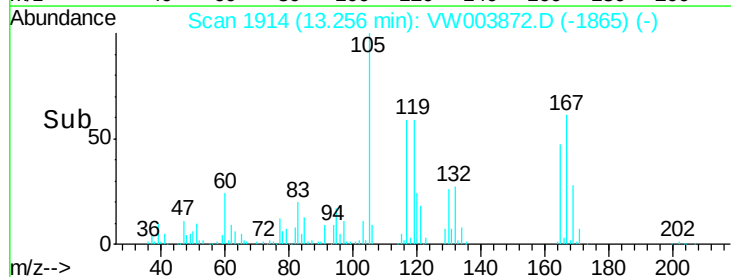
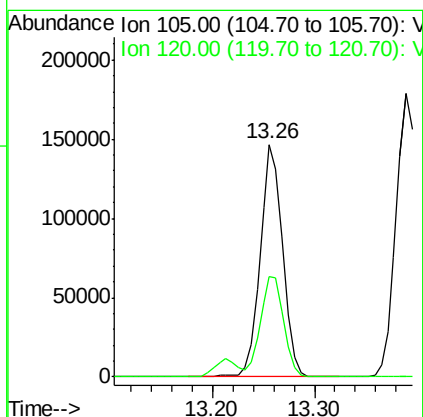
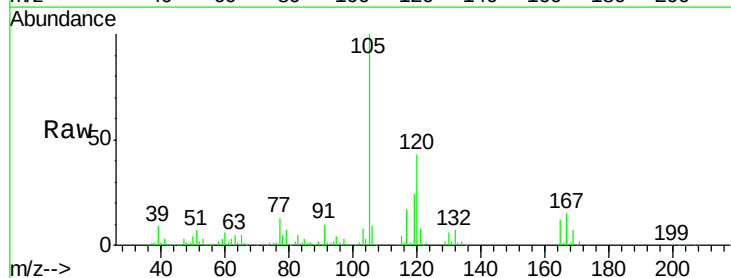
Instrument :
MSVOA_W
ClientSampled :

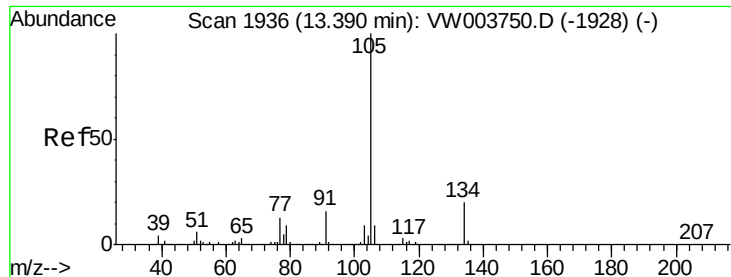
Tot Ion:119 Resp: 180791
Ion Ratio Lower Upper
119 100
91 66.6 33.0 98.9
134 26.7 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 22.003 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion:105 Resp: 225734
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0

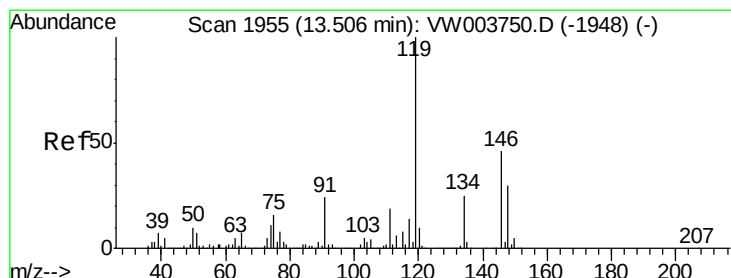
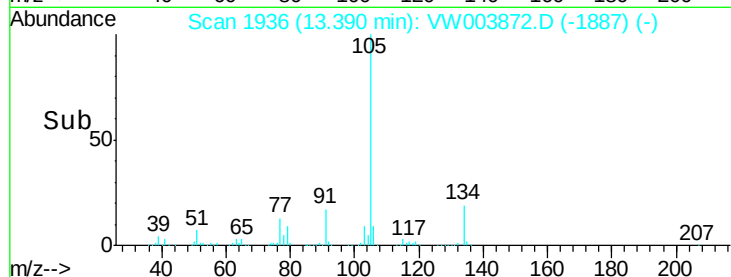
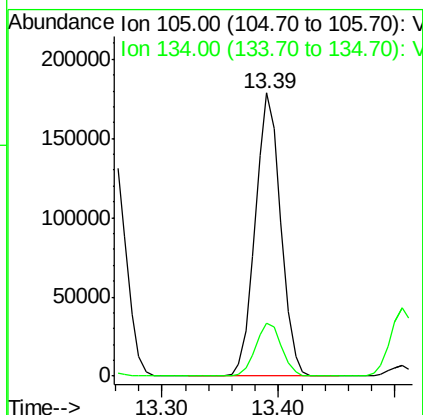
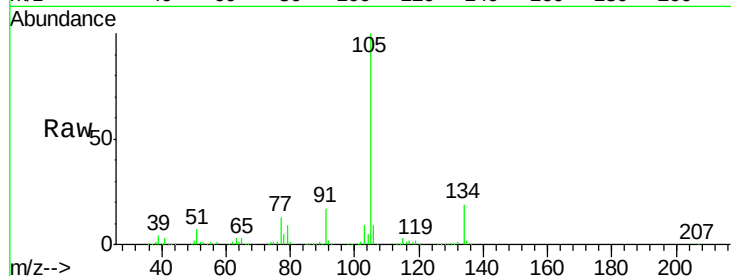




#85
 sec-Butylbenzene
 Concen: 22.251 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

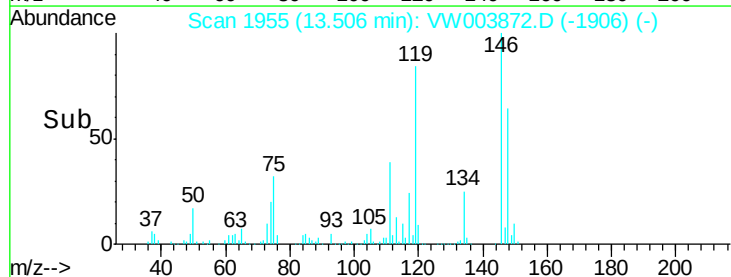
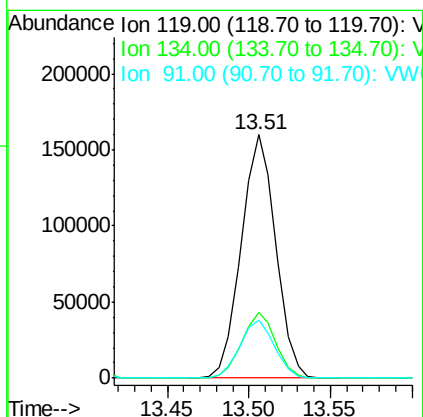
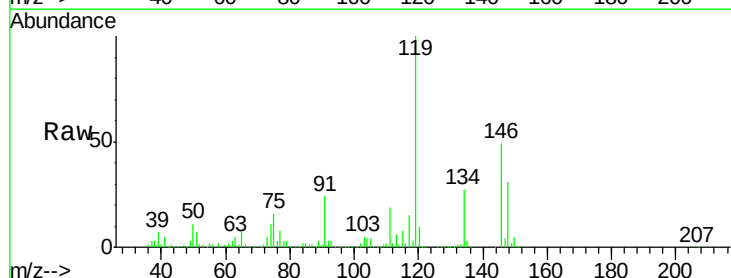
Instrument :
 MSVOA_W
 ClientSampleId :

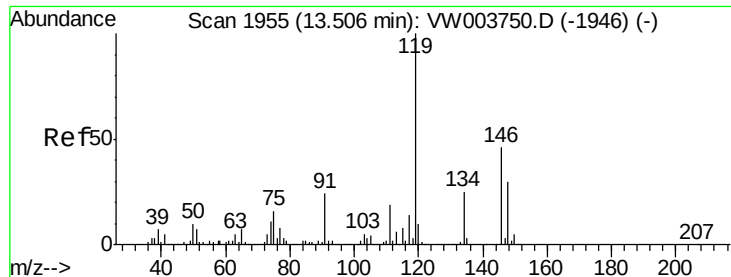
Tot Ion:105 Resp: 271103
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 22.150 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion:119 Resp: 235814
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 24.0 11.9 35.9

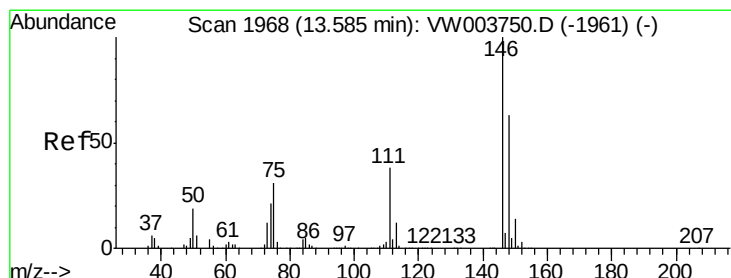
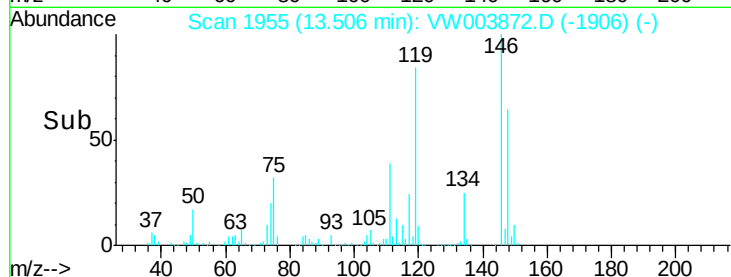
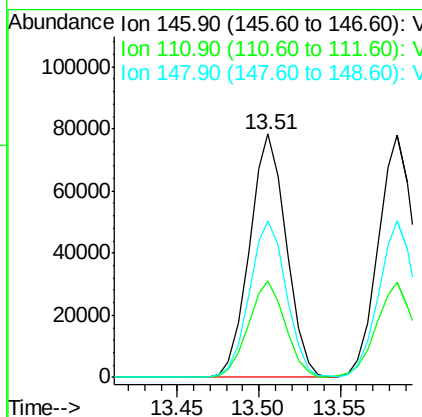
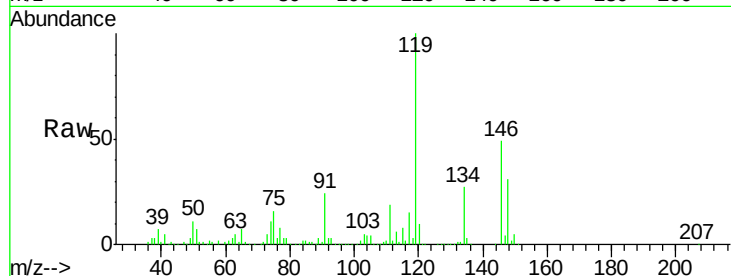




#87
 1,3-Dichlorobenzene
 Concen: 21.295 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

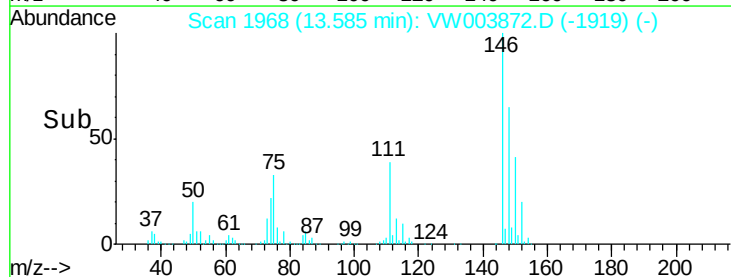
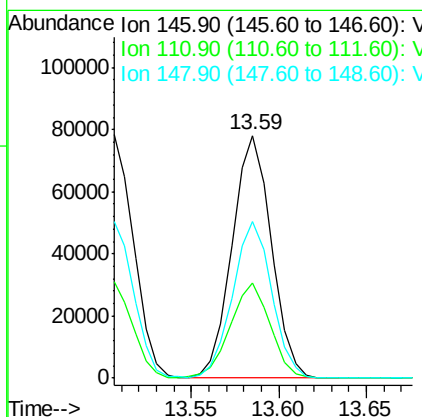
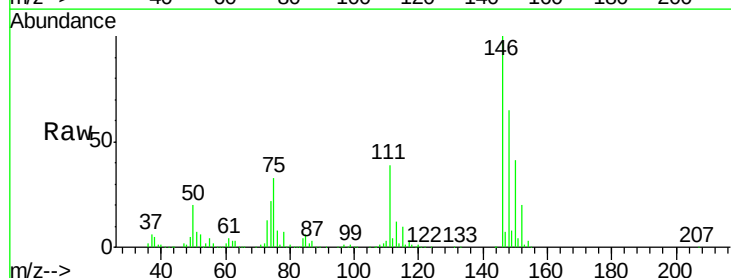
Instrument :
 MSVOA_W
 ClientSampled :

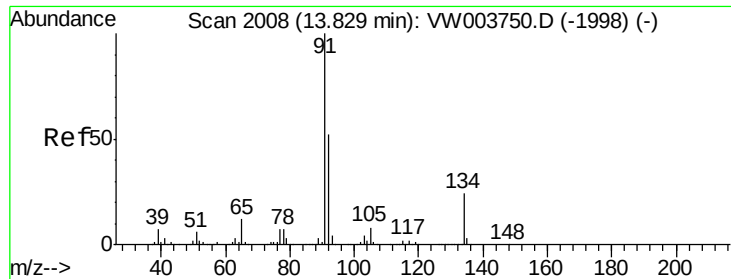
Tot Ion:146 Resp: 122728
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.5
 148 64.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion:146 Resp: 121935
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.4 58.4
 148 64.3 31.9 95.7





#89

n-Butylbenzene

Concen: 22.106 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW003872.D

Acq: 11 Jul 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

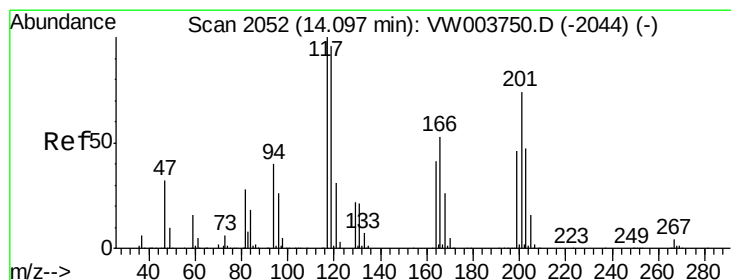
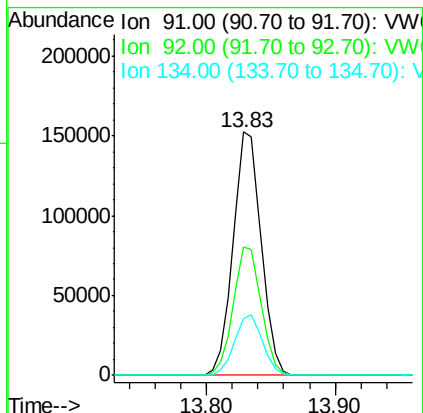
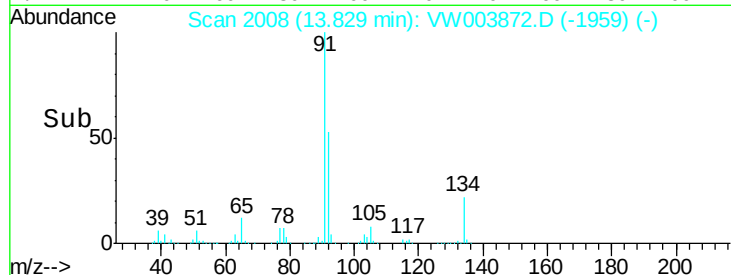
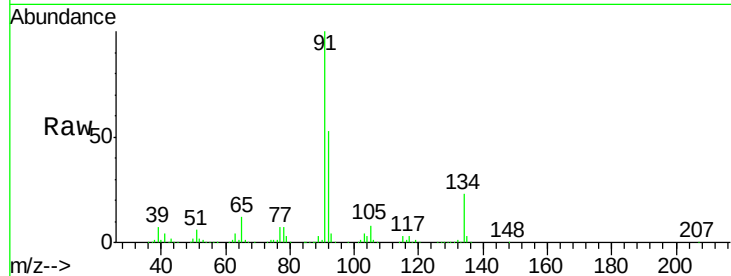
Tot Ion: 91 Resp: 231502

Ion Ratio Lower Upper

91 100

92 52.8 26.1 78.3

134 24.8 12.4 37.4



#90

Hexachloroethane

Concen: 21.113 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VW003872.D

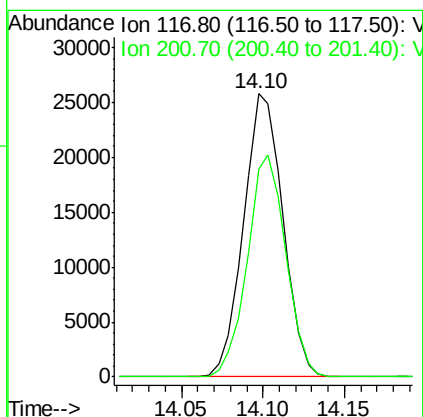
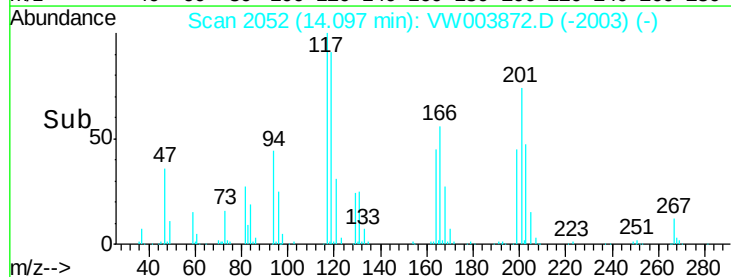
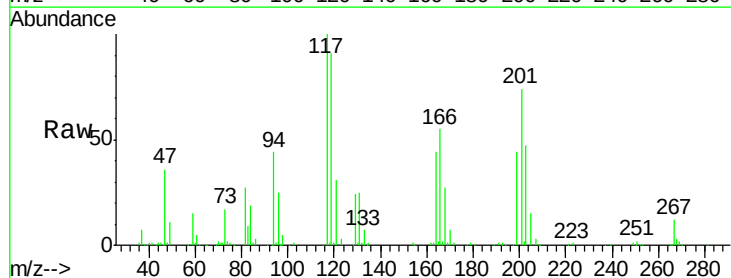
Acq: 11 Jul 2018 19:15

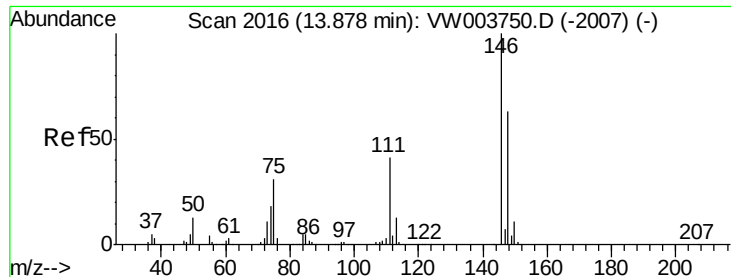
Tgt Ion: 117 Resp: 43298

Ion Ratio Lower Upper

117 100

201 76.6 39.2 117.6

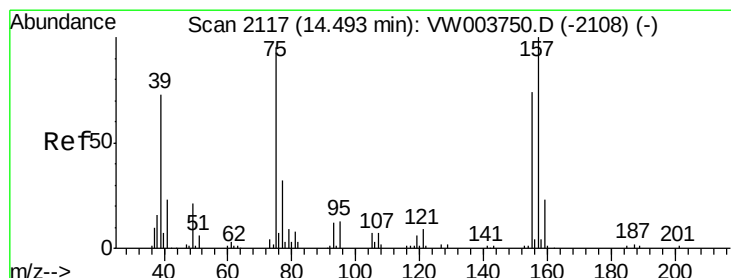
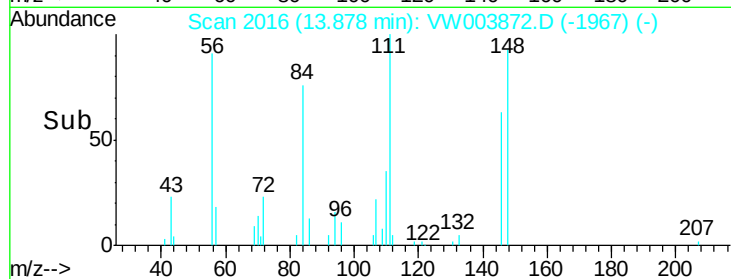
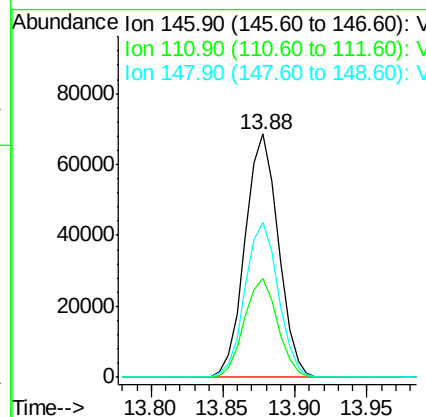
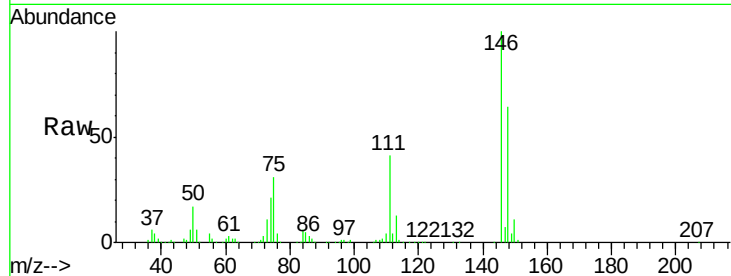




#91
 1,2-Dichlorobenzene
 Concen: 21.216 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

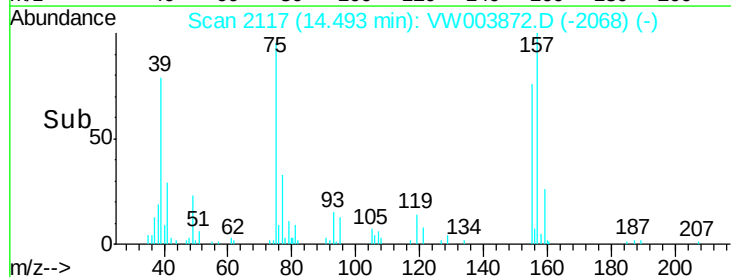
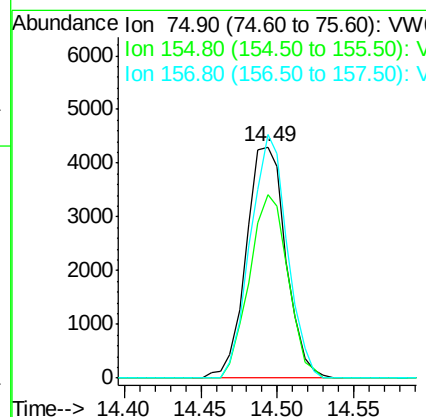
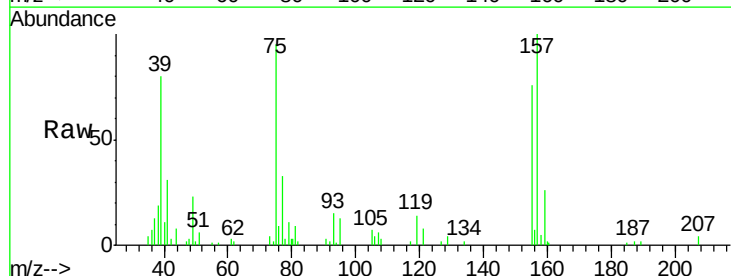
Instrument :
 MSVOA_W
 ClientSampled :

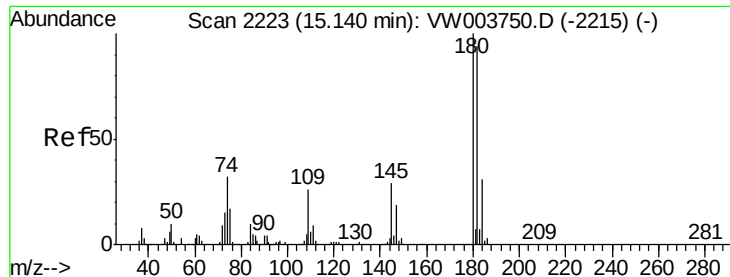
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.277 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	39.2	117.6
157	97.6	50.7	152.1

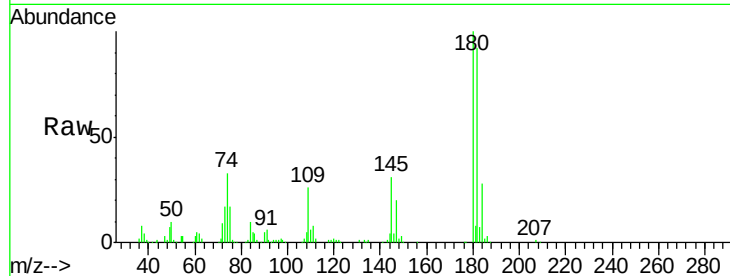




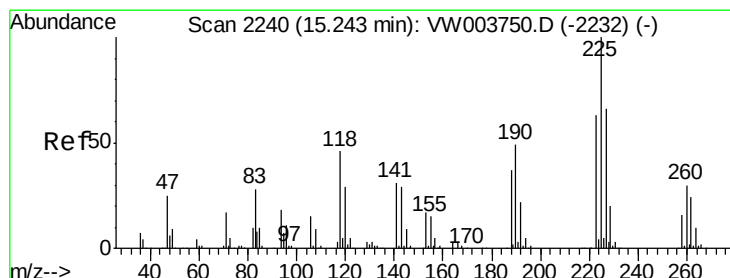
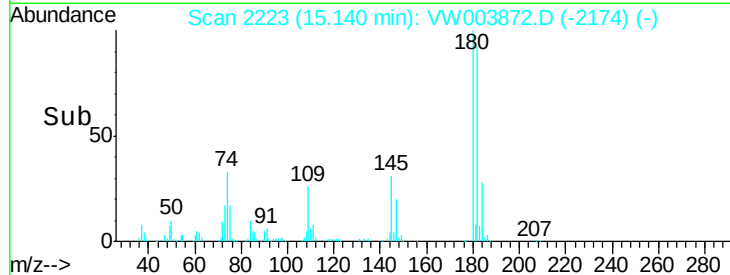
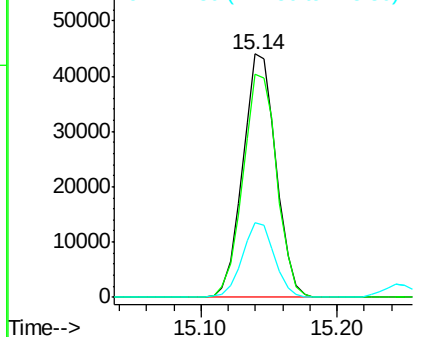
#93
 1,2,4-Trichlorobenzene
 Concen: 21.368 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.2
145	29.5	15.0	45.0

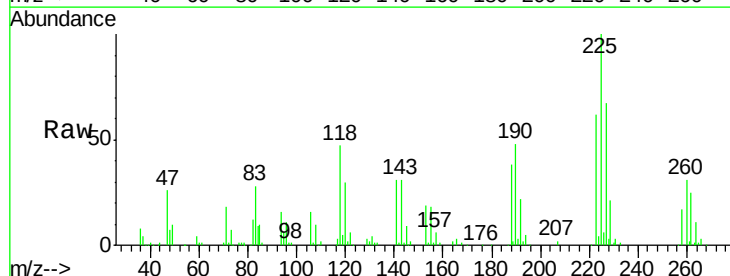


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

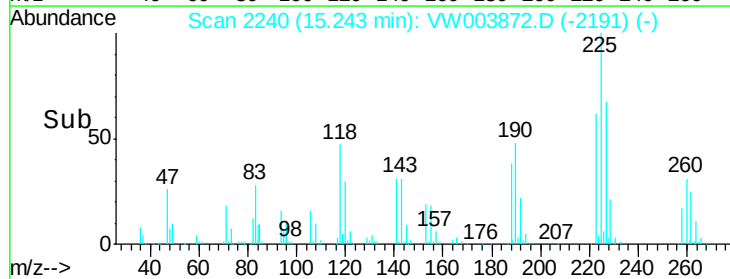
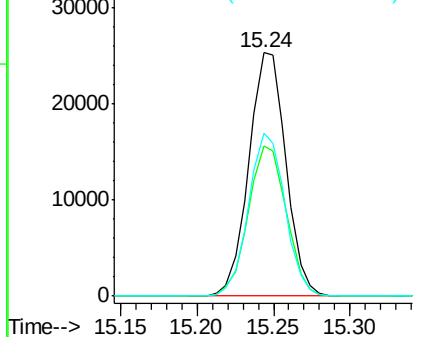


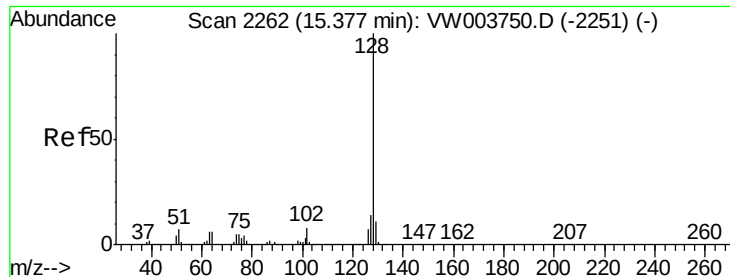
#94
 Hexachlorobutadiene
 Concen: 21.305 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW003872.D
 Acq: 11 Jul 2018 19:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.6	97.7
227	65.9	32.5	97.5



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

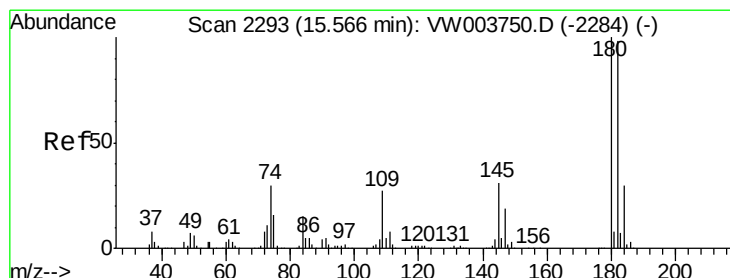
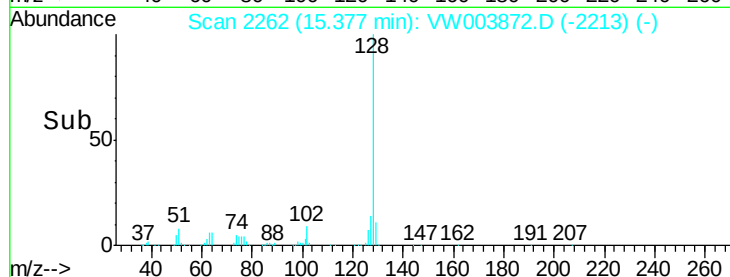
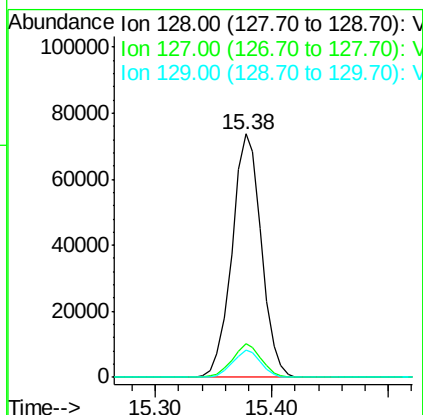
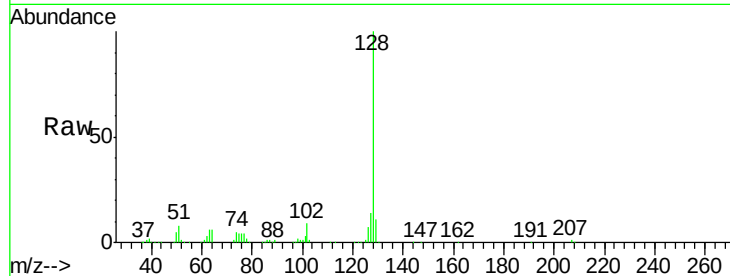




#95
Naphthalene
Concen: 20.559 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 129012
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.760 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003872.D
Acq: 11 Jul 2018 19:15

Tgt Ion:180 Resp: 68412
Ion Ratio Lower Upper
180 100
182 93.2 47.4 142.3
145 31.0 15.8 47.4

