

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003297.D
 Acq On : 15 Jun 2018 17:35
 Operator : SY/AP
 Sample : J2923-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:48:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	354886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	322866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170796	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	13490	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
35) Dibromofluoromethane	7.88	113	11769	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
50) Toluene-d8	10.33	98	44027	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	
62) 4-Bromofluorobenzene	12.63	95	14948	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	4034	5.876	ug/l	85
3) Chloromethane	2.21	50	10498	6.052	ug/l	90
4) Vinyl Chloride	2.36	62	15009	5.935	ug/l	93
5) Bromomethane	2.78	94	10102	6.010	ug/l	94
6) Chloroethane	2.93	64	10713	6.086	ug/l	93
7) Trichlorofluoromethane	3.26	101	8558	5.649	ug/l	92
8) Diethyl Ether	3.67	74	6465	5.809	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12172	5.786	ug/l	96
10) Methyl Iodide	4.26	142	17953	5.643	ug/l	99
11) Tert butyl alcohol	5.25	59	3708	28.107	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	12086	5.879	ug/l	93
13) Acrolein	3.90	56	5066	26.859	ug/l	91
14) Allyl chloride	4.66	41	19453	5.463	ug/l	100
15) Acrylonitrile	5.39	53	13119	28.651	ug/l	98
16) Acetone	4.15	43	16231	31.461	ug/l	95
17) Carbon Disulfide	4.37	76	36862	6.065	ug/l	99
18) Methyl Acetate	4.67	43	8752	7.151	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	20498	5.324	ug/l	97
20) Methylene Chloride	4.91	84	20984	6.372	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	13174	5.888	ug/l	86
22) Diisopropyl ether	6.31	45	36036	5.028	ug/l #	85
23) Vinyl Acetate	6.26	43	94175	22.803	ug/l	99
24) 1,1-Dichloroethane	6.21	63	24643	5.792	ug/l	98
25) 2-Butanone	7.19	43	18229	28.416	ug/l	93
26) 2,2-Dichloropropane	7.17	77	16512	5.815	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	13409	5.456	ug/l	94
28) Bromochloromethane	7.51	49	9793	5.531	ug/l	94
29) Tetrahydrofuran	7.54	42	10769	27.467	ug/l	95
30) Chloroform	7.68	83	24454	5.642	ug/l	99
31) Cyclohexane	7.96	56	25161	6.330	ug/l #	77
32) 1,1,1-Trichloroethane	7.88	97	19554	5.465	ug/l	96
36) 1,1-Dichloropropene	8.09	75	18994	5.542	ug/l	99
37) Ethyl Acetate	7.27	43	8287	5.837	ug/l	99
38) Carbon Tetrachloride	8.07	117	18659	5.550	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21356	5.385	ug/l	96
40) Benzene	8.33	78	53327	5.645	ug/l	99
41) Methacrylonitrile	7.49	41	4599	5.278	ug/l	94
42) 1,2-Dichloroethane	8.40	62	17194	5.809	ug/l	99
43) Isopropyl Acetate	8.43	43	15034	5.333	ug/l	95
44) Trichloroethene	9.10	130	13855	5.535	ug/l	88
45) 1,2-Dichloropropane	9.38	63	13300	5.529	ug/l	96
46) Dibromomethane	9.46	93	7120	5.782	ug/l	98
47) Bromodichloromethane	9.65	83	17223	5.456	ug/l	99
48) Methyl methacrylate	9.45	41	6818	5.146	ug/l	98
49) 1,4-Dioxane	9.48	88	851	45.767	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	37429	26.054	ug/l	98
52) Toluene	10.39	92	32315	5.334	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	16271	5.046	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	18976	5.170	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	9849	5.676	ug/l	96
56) Ethyl methacrylate	10.65	69	9910	4.703	ug/l	99
57) 1,3-Dichloropropane	10.94	76	16970	5.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	23313	24.679	ug/l	99
59) 2-Hexanone	10.98	43	24206	24.120	ug/l	94
60) Dibromochloromethane	11.13	129	10500	5.088	ug/l	99
61) 1,2-Dibromoethane	11.24	107	8824	5.376	ug/l	99
64) Tetrachloroethene	10.87	164	12591	5.831	ug/l	97
65) Chlorobenzene	11.66	112	35664	5.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11914	5.042	ug/l	93
67) Ethyl Benzene	11.74	91	61728	5.179	ug/l	100
68) m/p-Xylenes	11.85	106	44141	9.743	ug/l	99
69) o-Xylene	12.18	106	20166	4.803	ug/l	96
70) Styrene	12.19	104	33015	4.724	ug/l	99
71) Bromoform	12.36	173	6245	5.100	ug/l #	99
73) Isopropylbenzene	12.47	105	58224	4.901	ug/l	99
74) N-amyl acetate	12.28	43	13367	4.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10940	5.443	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14193	9.721	ug/l #	100
77) Bromobenzene	12.76	156	14847	5.366	ug/l	97
78) n-propylbenzene	12.81	91	70148	4.822	ug/l	99
79) 2-Chlorotoluene	12.90	91	41806	5.086	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	47285	4.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2815	4.436	ug/l	86
82) 4-Chlorotoluene	12.99	91	44179	5.066	ug/l	100
83) tert-Butylbenzene	13.21	119	40976	4.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	49885	4.863	ug/l	100
85) sec-Butylbenzene	13.40	105	60340	4.777	ug/l	99
86) p-Isopropyltoluene	13.51	119	53553	4.807	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	30407	5.350	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	31007	5.488	ug/l	93
89) n-Butylbenzene	13.83	91	52428	4.828	ug/l	99
90) Hexachloroethane	14.10	117	10171	5.047	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	26428	5.308	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1952	5.771	ug/l	94

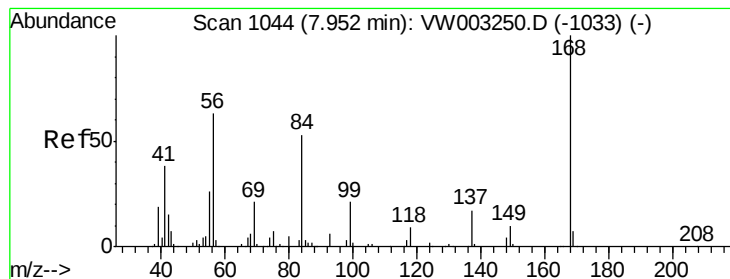
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	17850	5.107	ug/l	100
94) Hexachlorobutadiene	15.25	225	11685	5.558	ug/l	98
95) Naphthalene	15.38	128	27289	4.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	15821	5.143	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

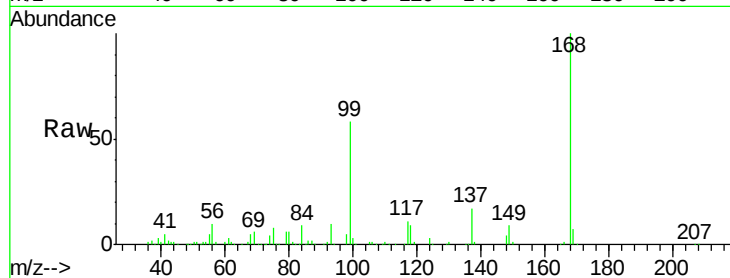
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 227100

Ion Ratio Lower Upper

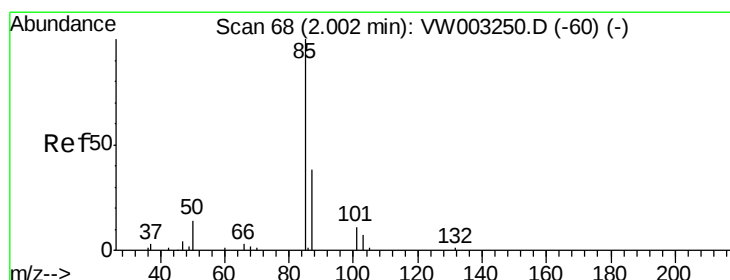
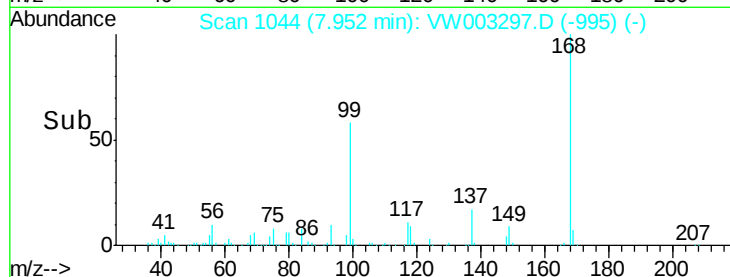
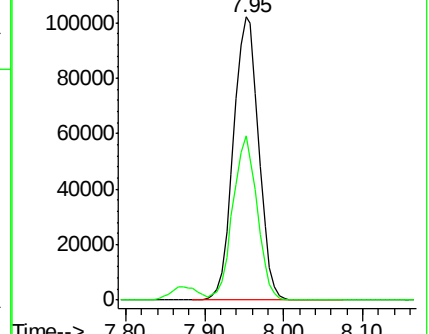
168 100

99 58.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.876 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003297.D

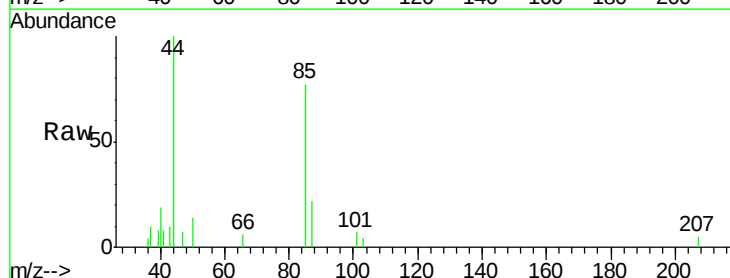
Acq: 15 Jun 2018 17:35

Tgt Ion: 85 Resp: 4034

Ion Ratio Lower Upper

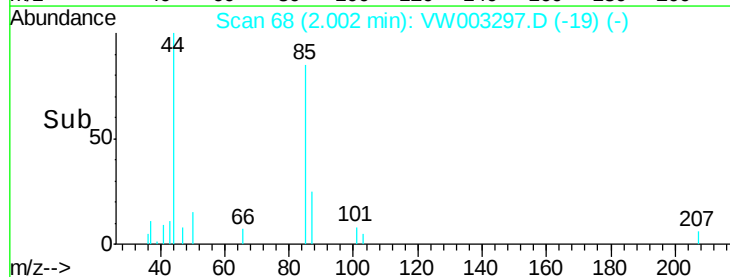
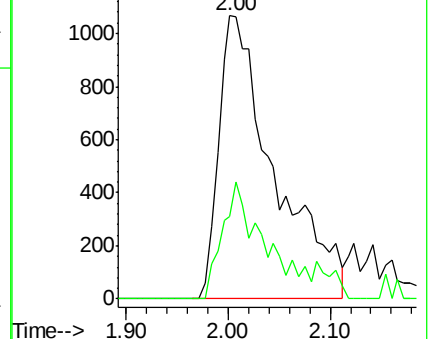
85 100

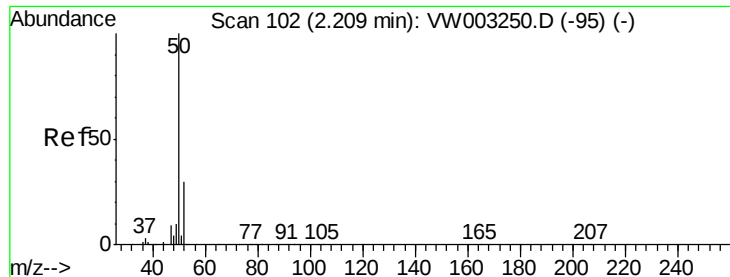
87 29.1 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.052 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

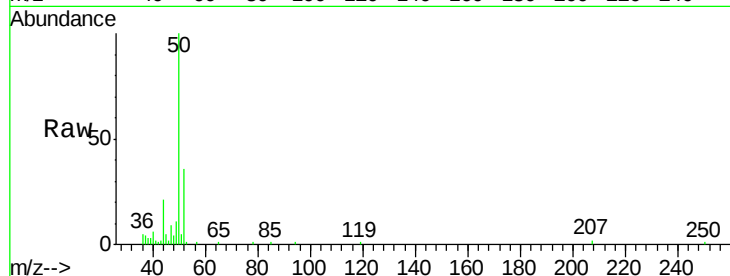
ClientSampleId :

Tot Ion: 50 Resp: 10498

Ion Ratio Lower Upper

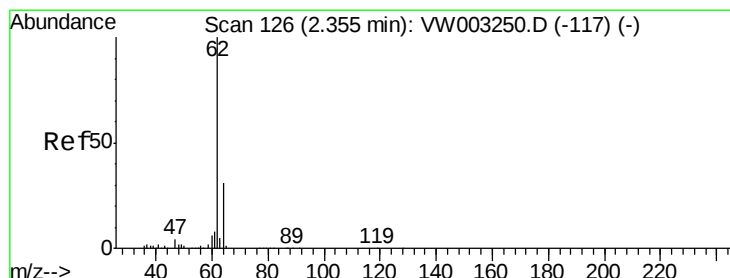
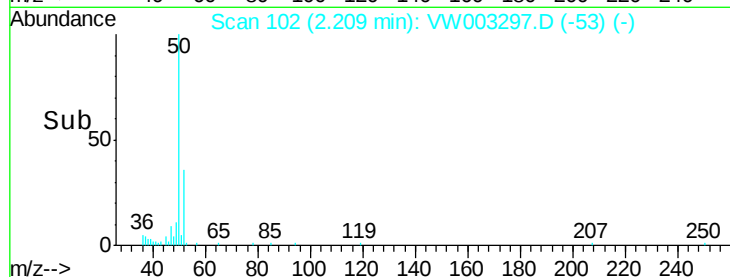
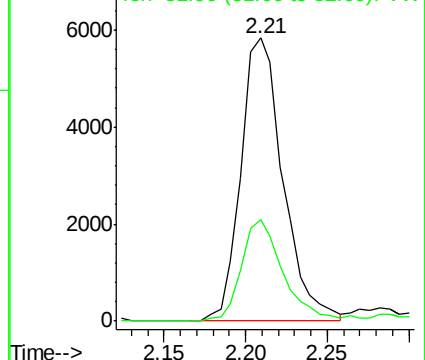
50 100

52 35.8 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.935 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003297.D

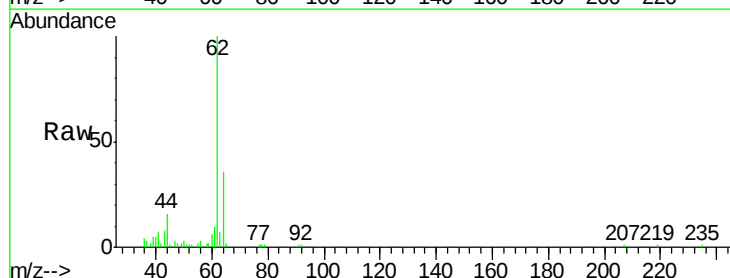
Acq: 15 Jun 2018 17:35

Tgt Ion: 62 Resp: 15009

Ion Ratio Lower Upper

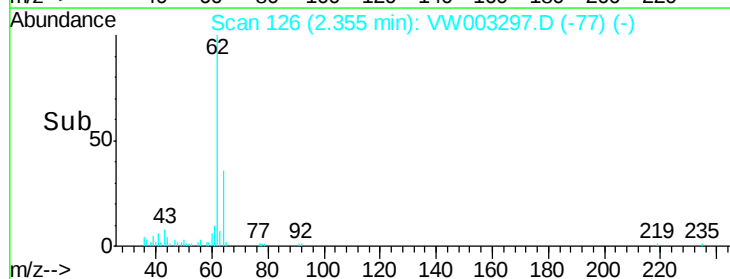
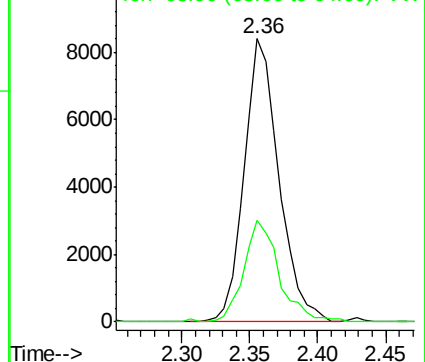
62 100

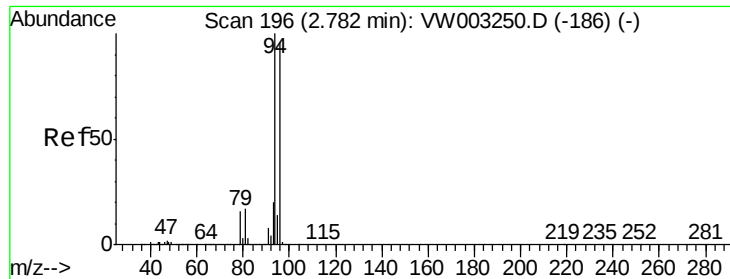
64 35.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 6.010 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

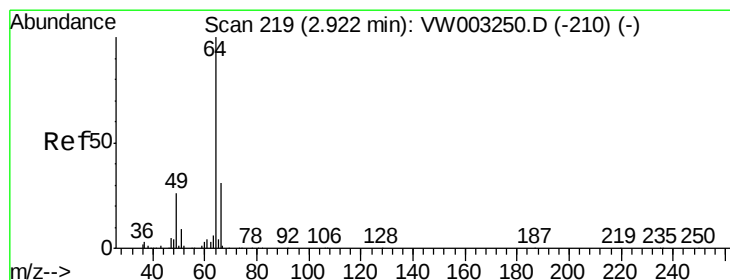
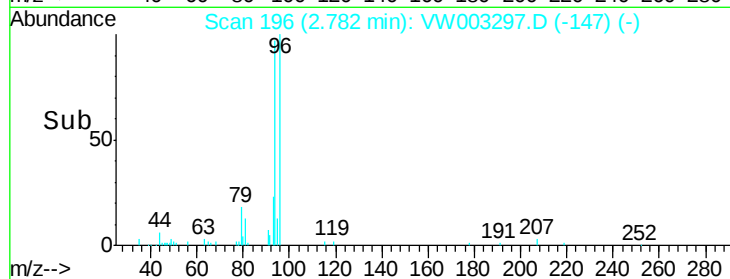
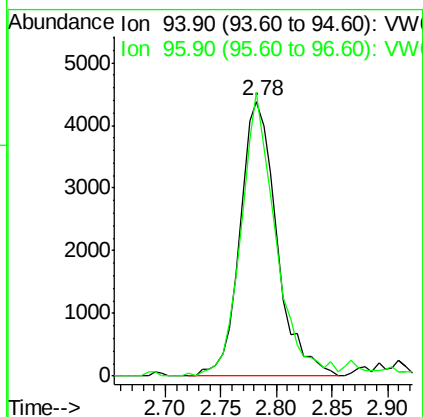
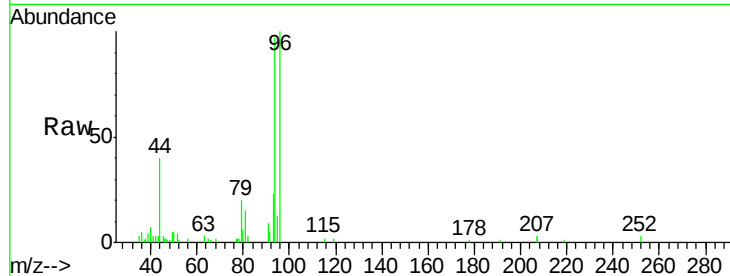
ClientSampled :

Tot Ion: 94 Resp: 10102

Ion Ratio Lower Upper

94 100

96 101.8 76.5 114.7



#6

Chloroethane

Concen: 6.086 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003297.D

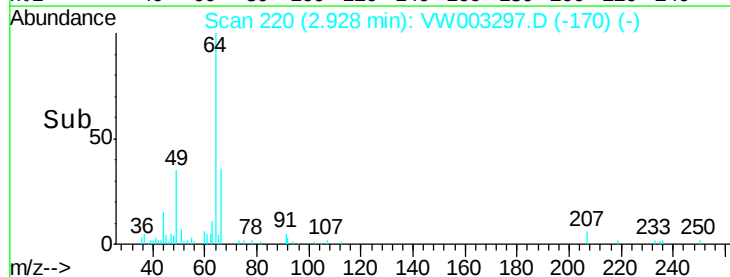
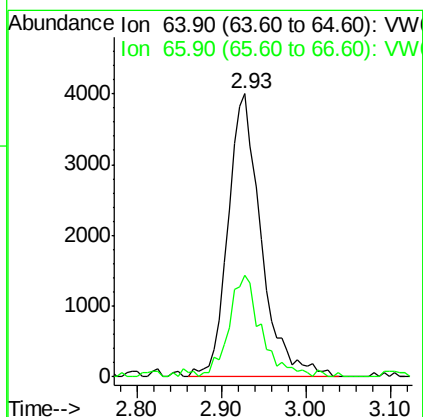
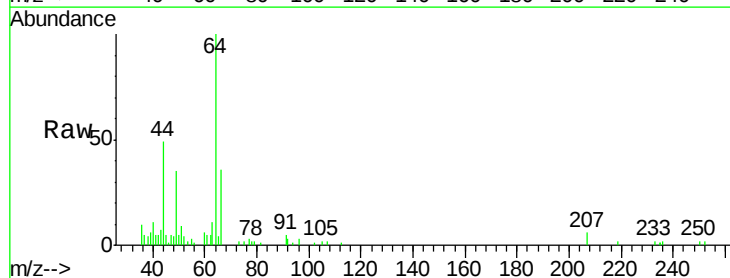
Acq: 15 Jun 2018 17:35

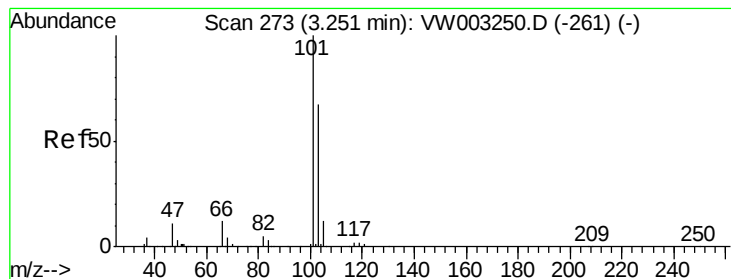
Tgt Ion: 64 Resp: 10713

Ion Ratio Lower Upper

64 100

66 34.3 24.4 36.6



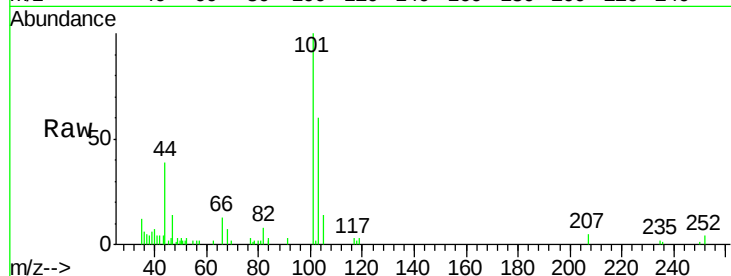


#7

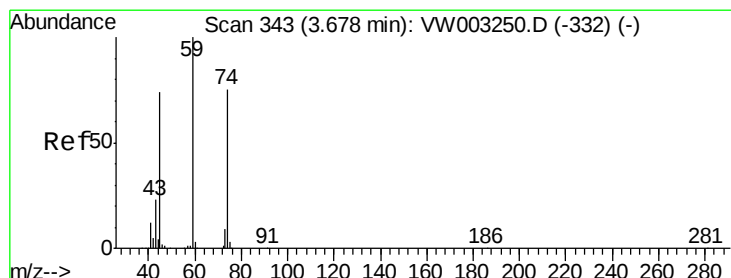
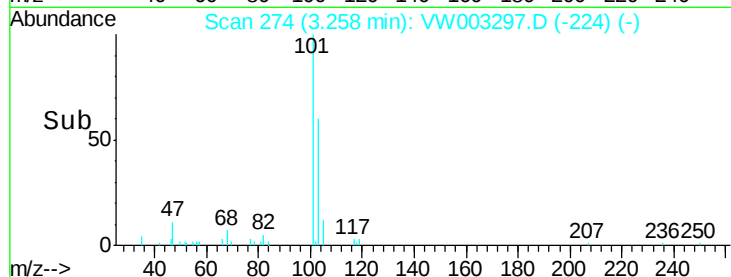
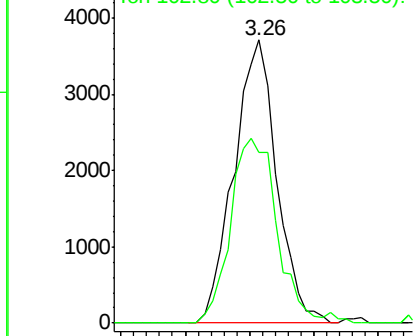
Trichlorofluoromethane
 Concen: 5.649 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:101 Resp: 8558
 Ion Ratio Lower Upper
 101 100
 103 60.2 53.4 80.0



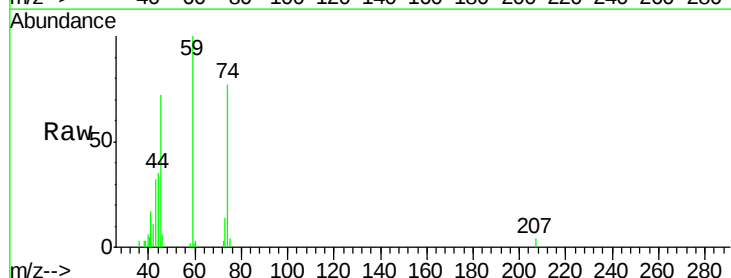
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



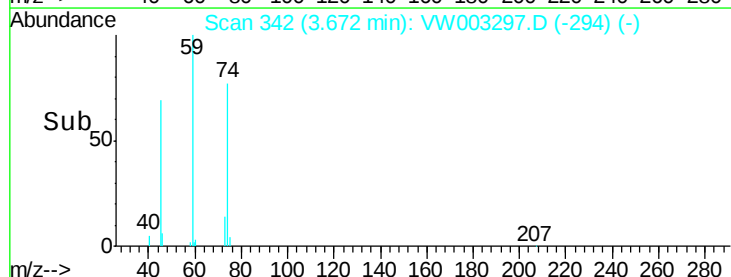
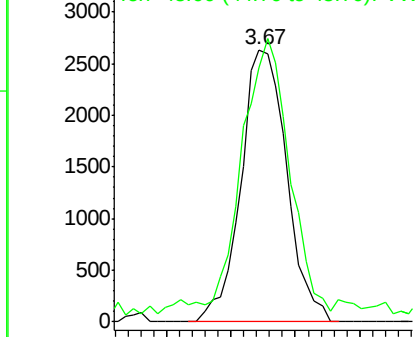
#8

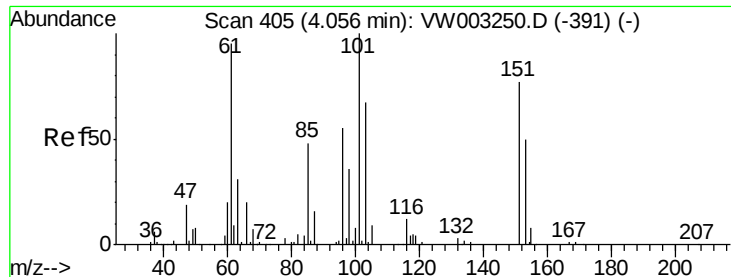
Diethyl Ether
 Concen: 5.809 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 74 Resp: 6465
 Ion Ratio Lower Upper
 74 100
 45 102.8 51.4 154.2



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: 5.786 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

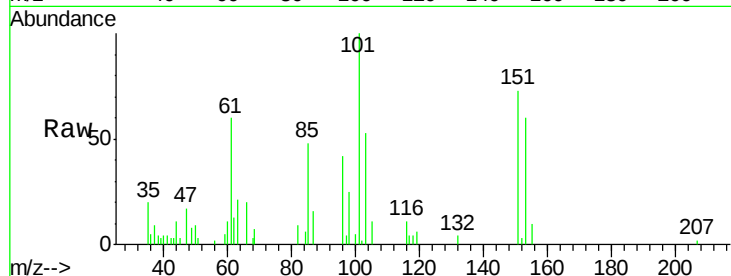
Tot Ion:101 Resp: 12172

Ion Ratio Lower Upper

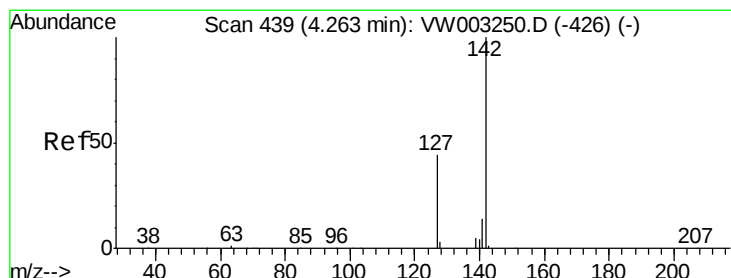
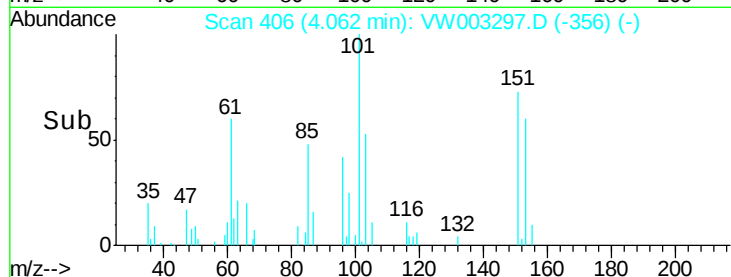
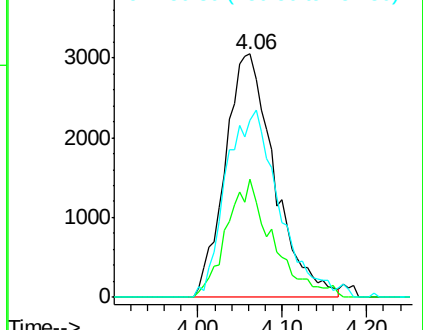
101 100

85 45.3 37.0 55.6

151 83.3 63.3 94.9



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: 5.643 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

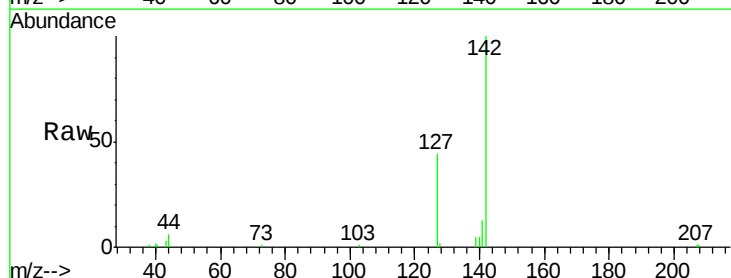
Tgt Ion:142 Resp: 17953

Ion Ratio Lower Upper

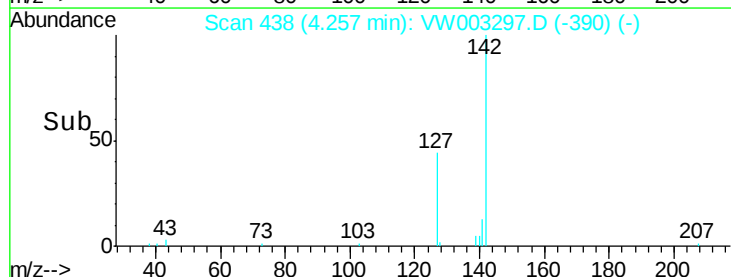
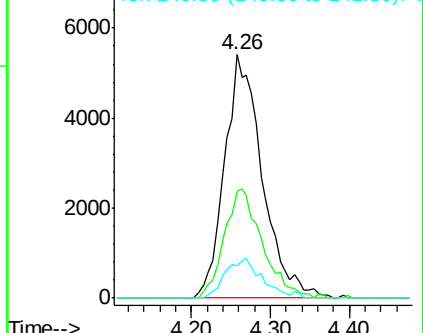
142 100

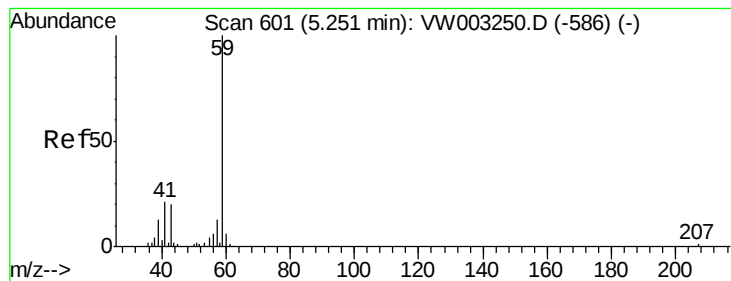
127 45.3 36.5 54.7

141 15.7 12.1 18.1



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



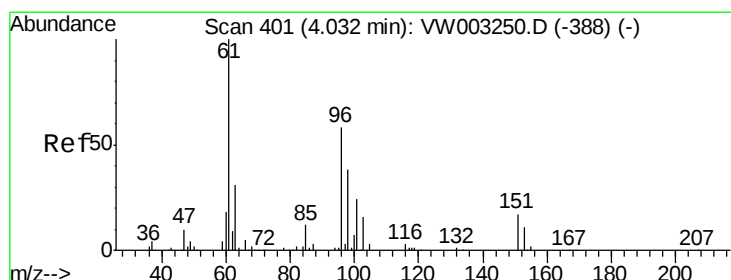
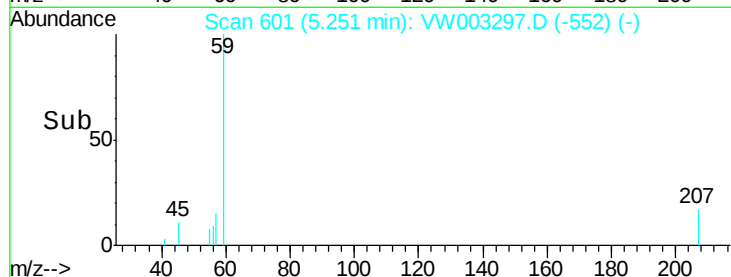
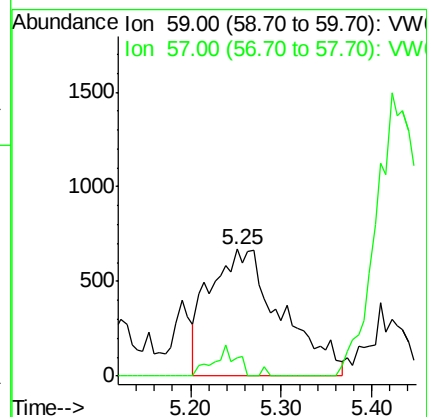
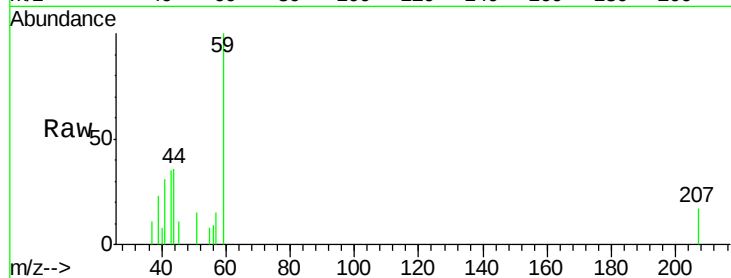


#11

Tert butyl alcohol
Concen: 28.107 ug/l
RT: 5.25 min Scan# 601
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

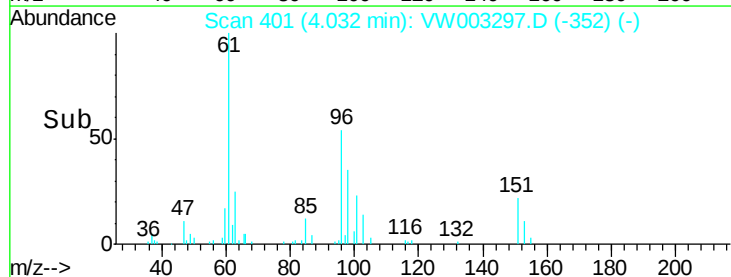
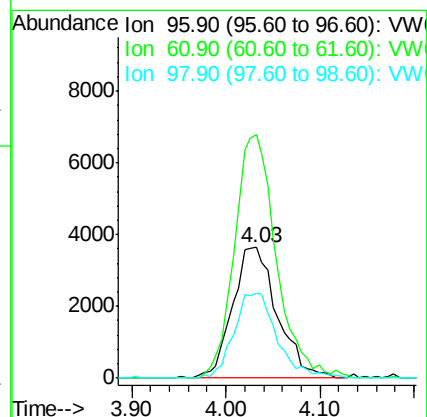
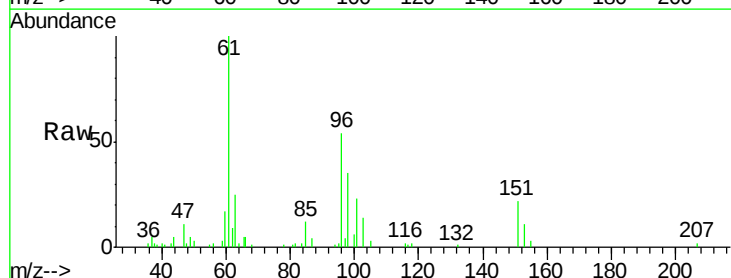
Tot Ion: 59 Resp: 3708
Ion Ratio Lower Upper
59 100
57 7.7 4.2 6.2#

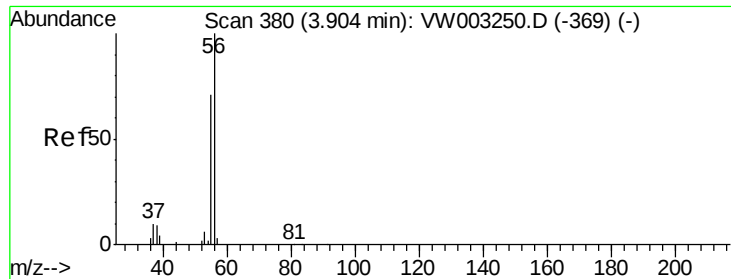


#12

1,1-Dichloroethene
Concen: 5.879 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 96 Resp: 12086
Ion Ratio Lower Upper
96 100
61 186.8 139.0 208.4
98 65.4 53.3 79.9





#13

Acrolein

Concen: 26.859 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

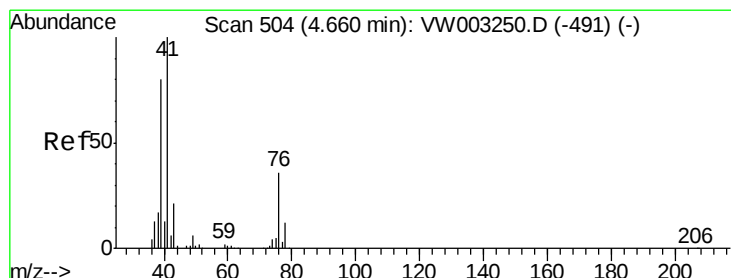
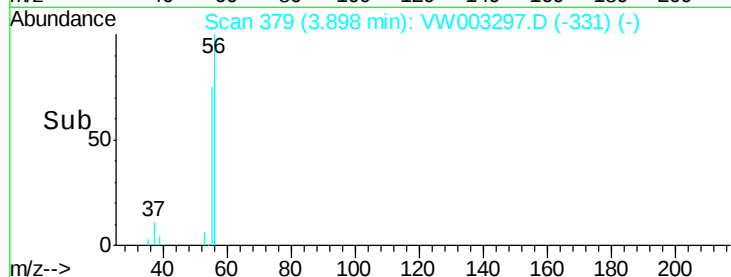
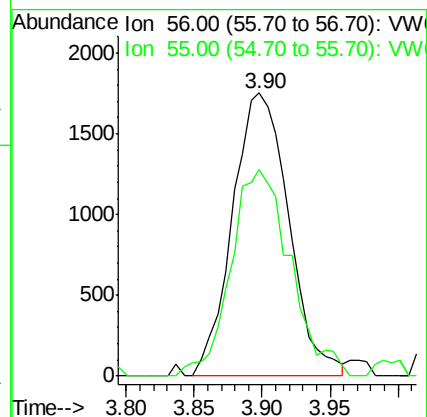
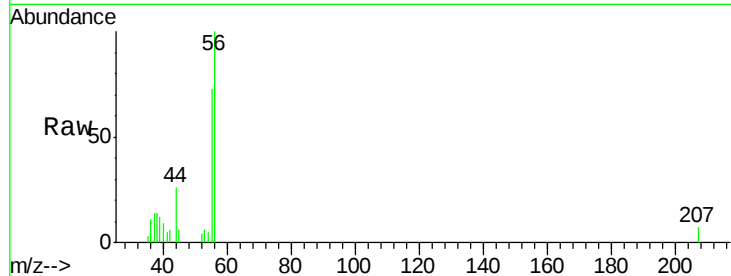
ClientSampleId :

Tot Ion: 56 Resp: 5066

Ion Ratio Lower Upper

56 100

55 76.8 55.4 83.2



#14

Allyl chloride

Concen: 5.463 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

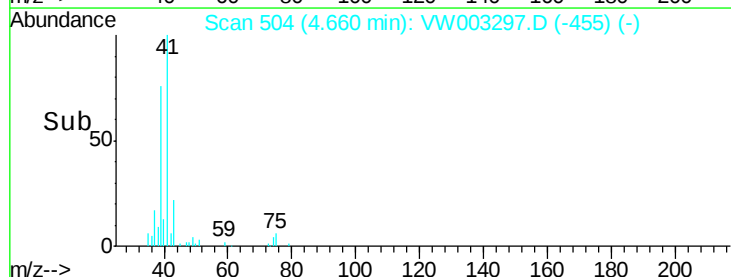
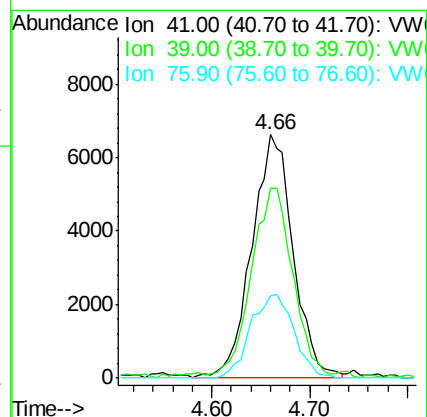
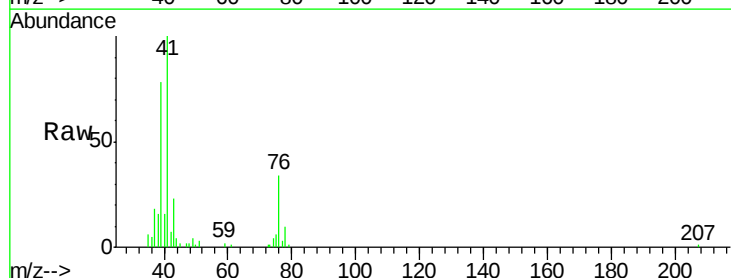
Tgt Ion: 41 Resp: 19453

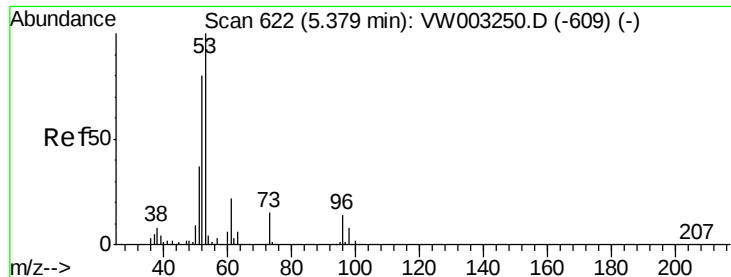
Ion Ratio Lower Upper

41 100

39 79.0 63.2 94.8

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 28.651 ug/l

RT: 5.39 min Scan# 623

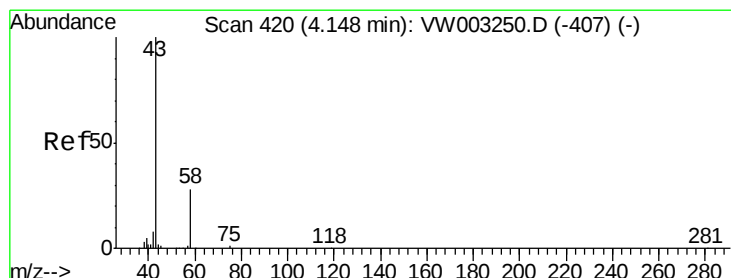
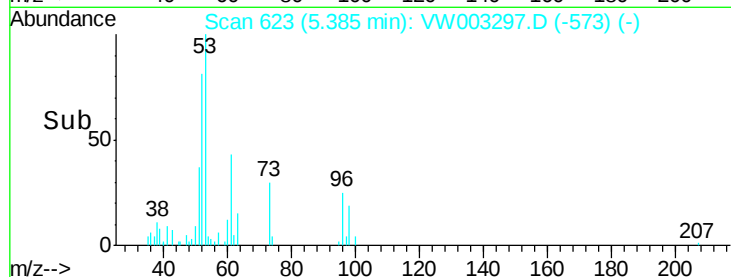
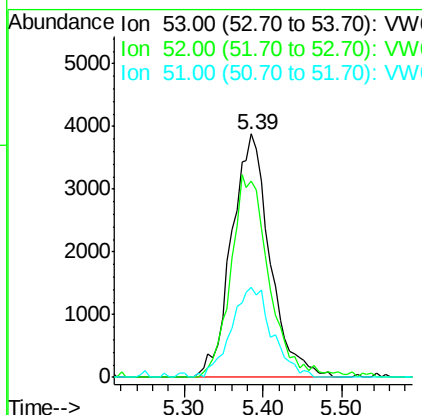
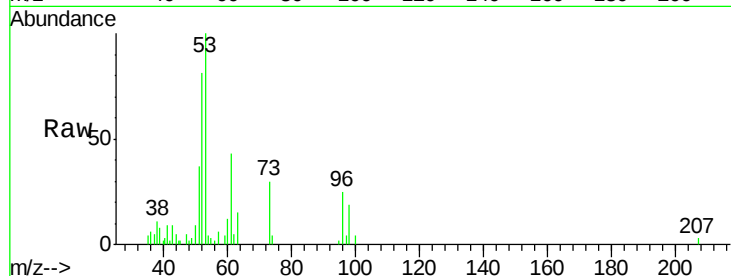
Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	53	Resp:	13119
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	100.0
51	39.5	30.6	46.0



#16

Acetone

Concen: 31.461 ug/l

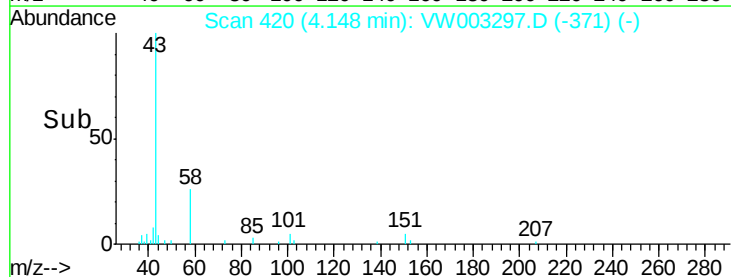
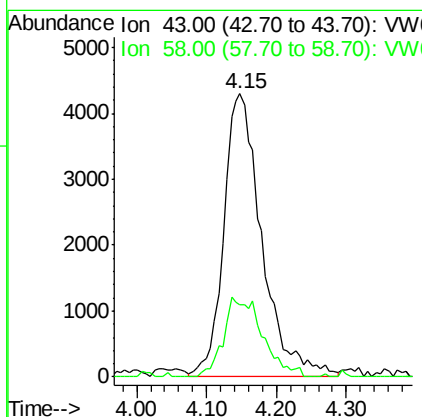
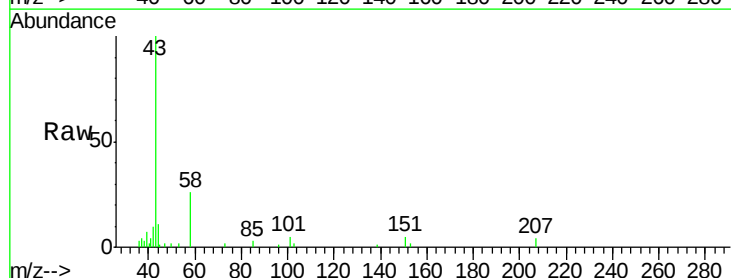
RT: 4.15 min Scan# 420

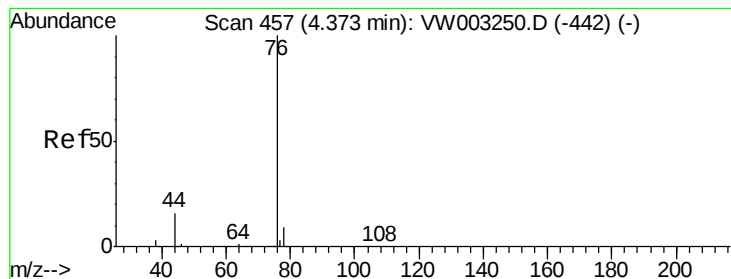
Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Tgt Ion:	43	Resp:	16231
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.6	34.0





#17

Carbon Disulfide

Concen: 6.065 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

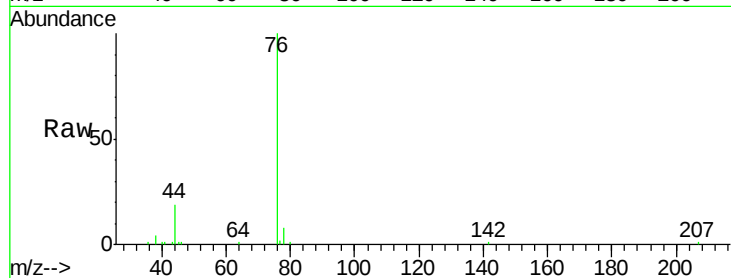
ClientSampled :

Tot Ion: 76 Resp: 36862

Ion Ratio Lower Upper

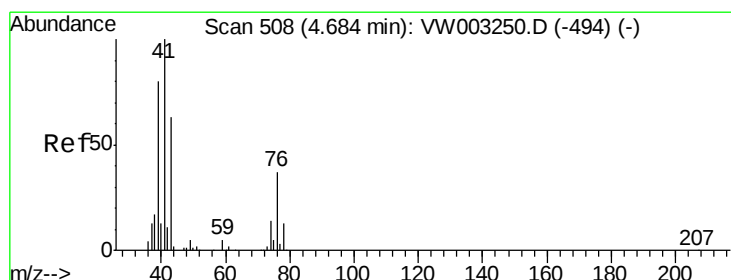
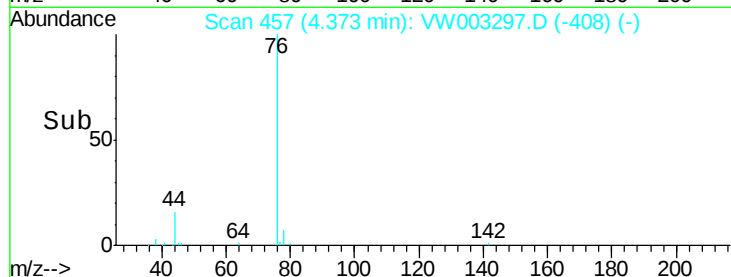
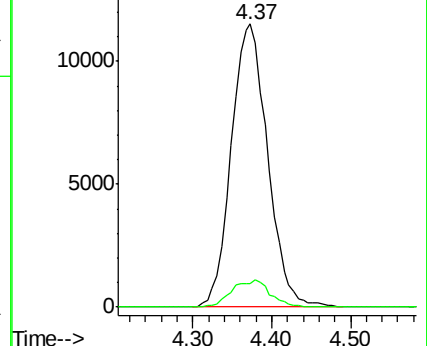
76 100

78 8.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 7.151 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW003297.D

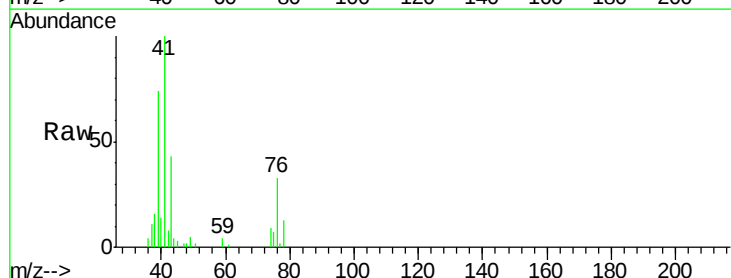
Acq: 15 Jun 2018 17:35

Tgt Ion: 43 Resp: 8752

Ion Ratio Lower Upper

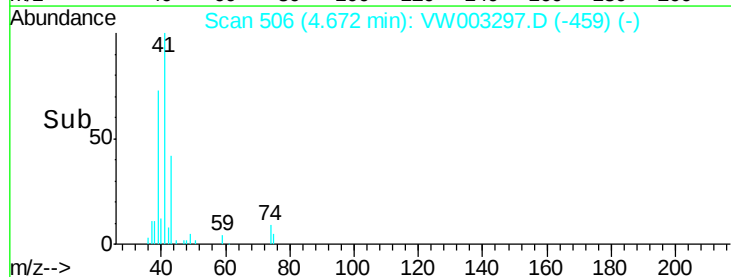
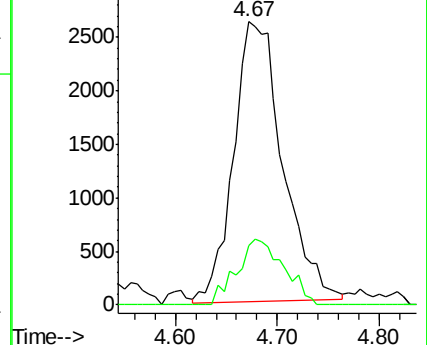
43 100

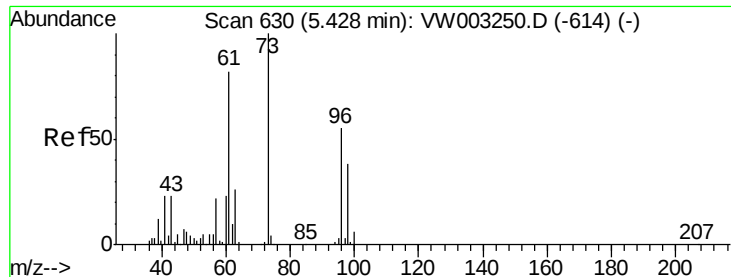
74 22.5 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

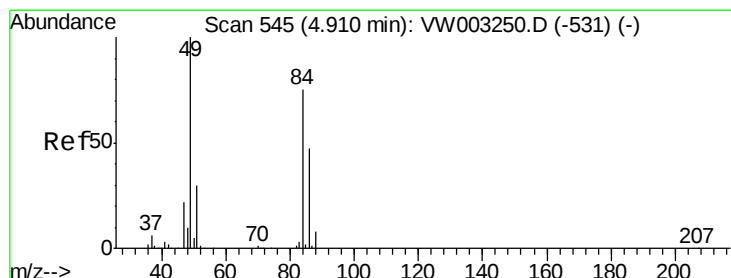
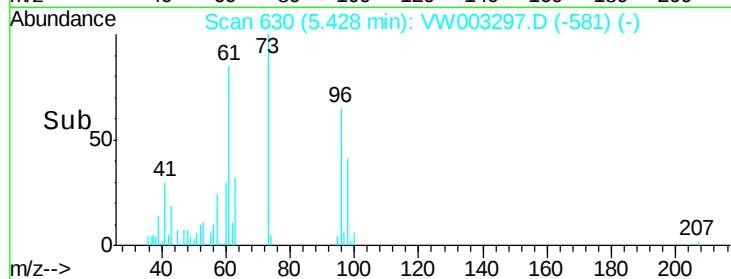
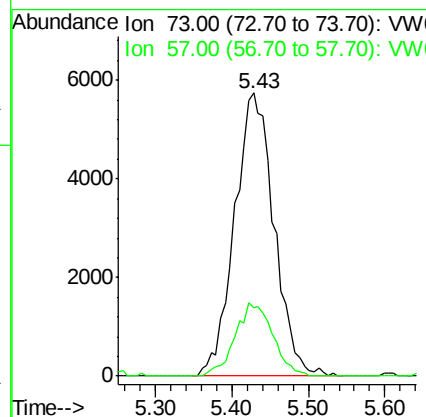
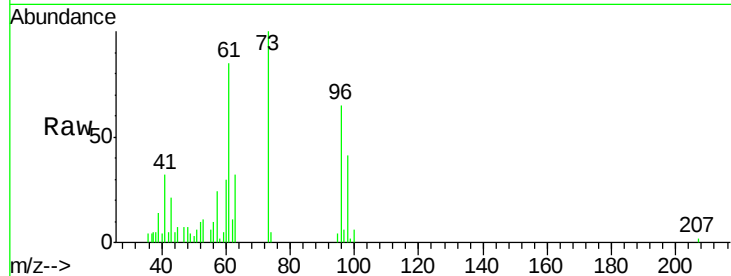




#19
Methvl tert-butvl Ether
Concen: 5.324 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

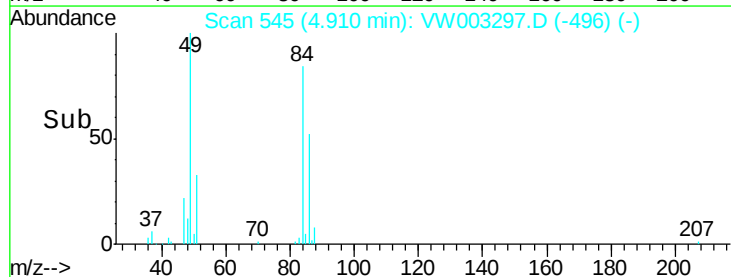
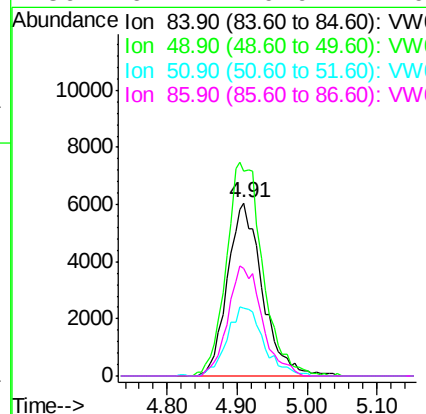
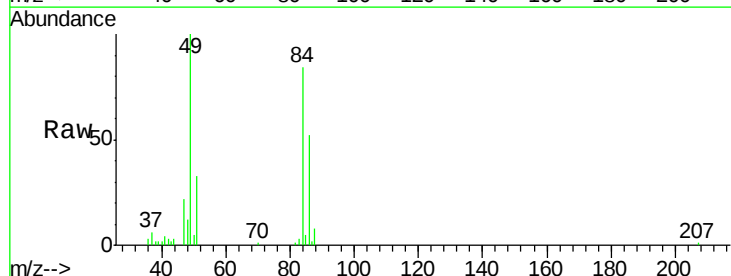
Instrument :
MSVOA_W
ClientSampleId :

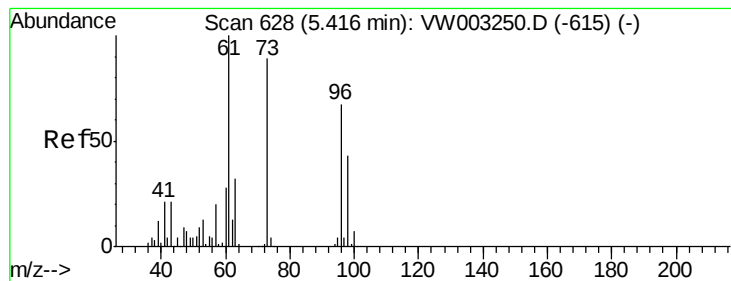
Tot Ion: 73 Resp: 20498
Ion Ratio Lower Upper
73 100
57 24.0 18.0 27.0



#20
Methylene Chloride
Concen: 6.372 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 84 Resp: 20984
Ion Ratio Lower Upper
84 100
49 118.4 106.3 159.5
51 39.3 32.0 48.0
86 61.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.888 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

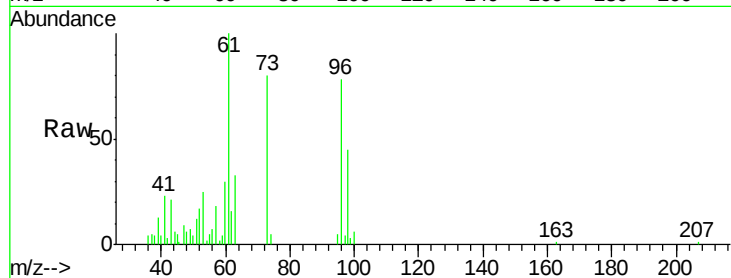
Tot Ion: 96 Resp: 13174

Ion Ratio Lower Upper

96 100

61 127.5 118.7 178.1

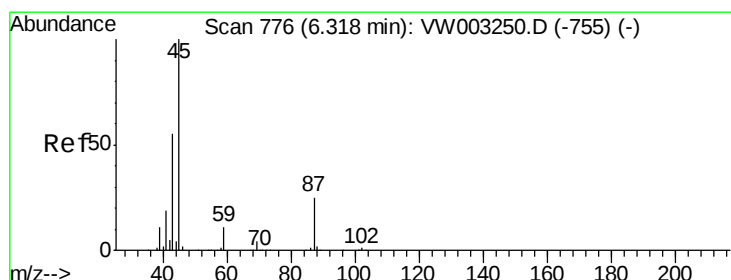
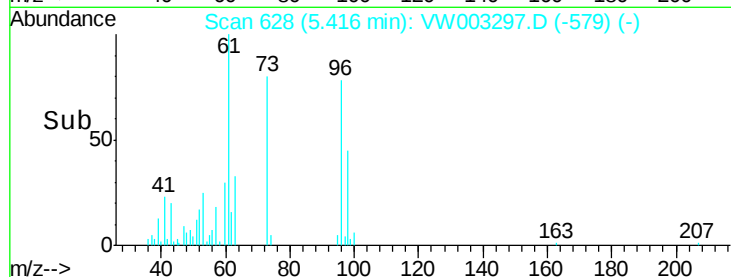
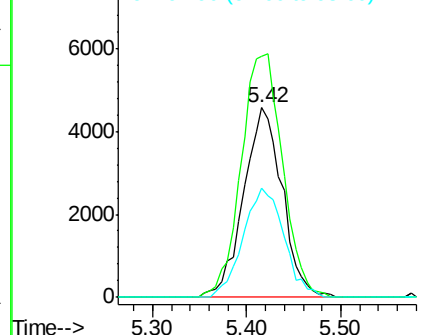
98 58.0 51.0 76.6



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: 5.028 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Tgt Ion: 45 Resp: 36036

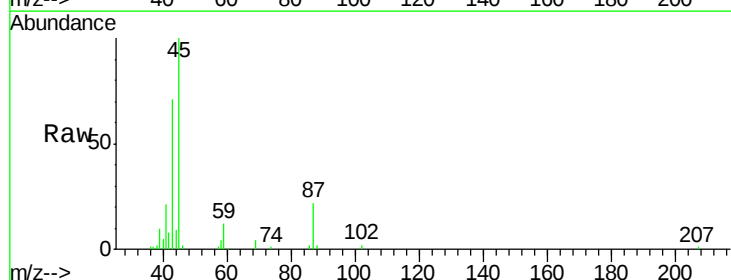
Ion Ratio Lower Upper

45 100

43 69.9 44.0 66.0#

87 22.3 20.6 31.0

59 12.4 8.8 13.2

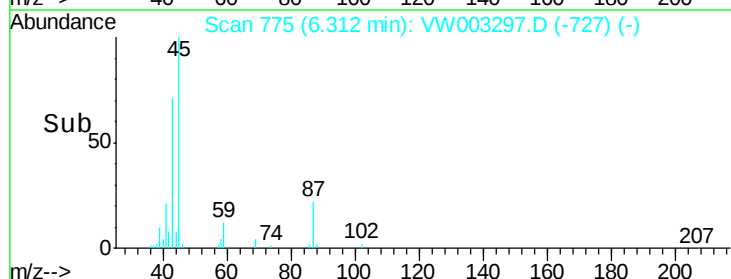
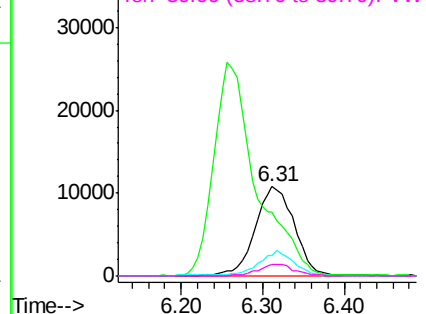


Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 22.803 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

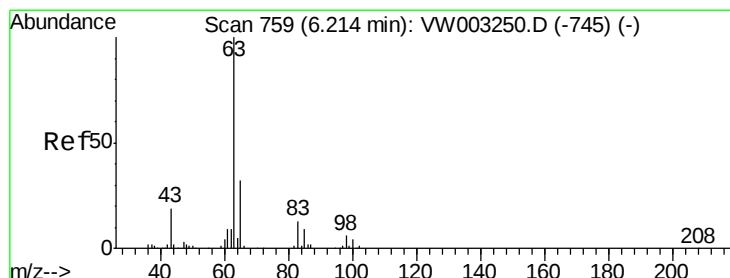
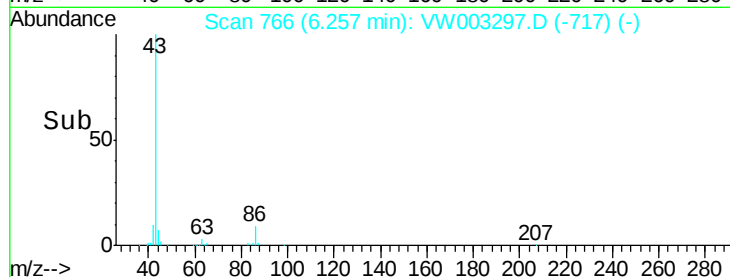
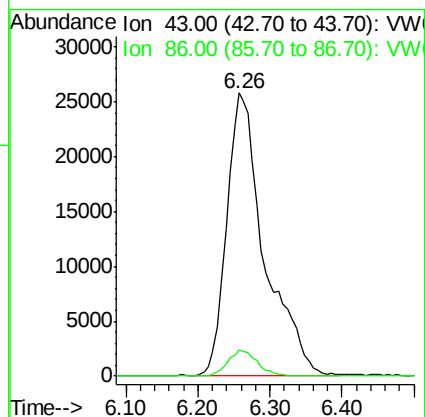
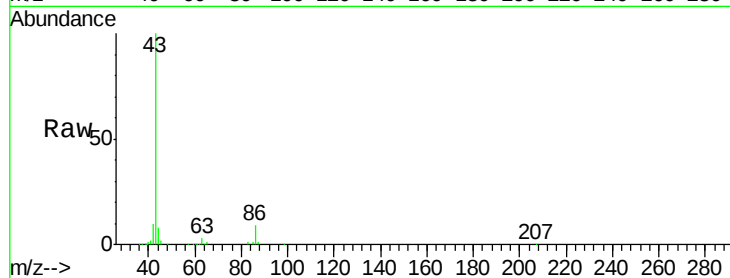
ClientSampleId :

Tot Ion: 43 Resp: 94175

Ion Ratio Lower Upper

43 100

86 9.1 7.5 11.3



#24

1,1-Dichloroethane

Concen: 5.792 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

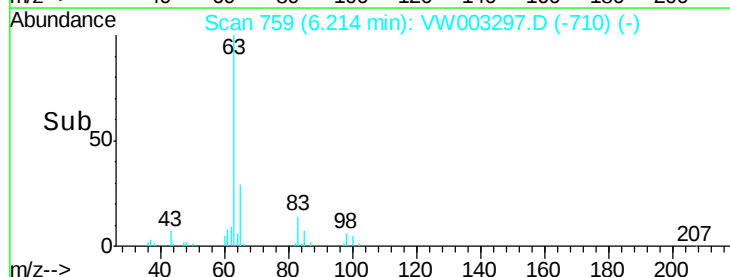
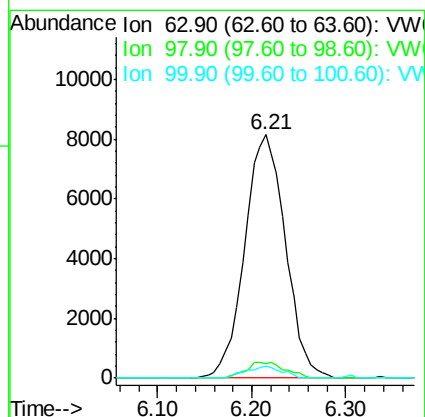
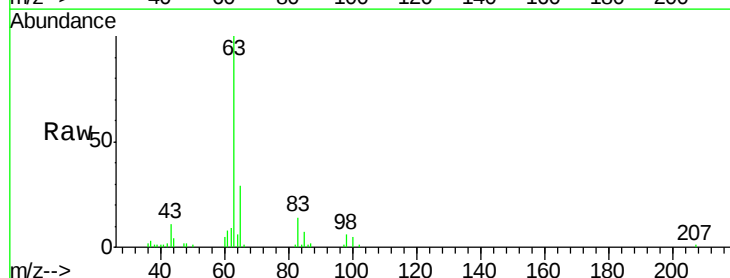
Tgt Ion: 63 Resp: 24643

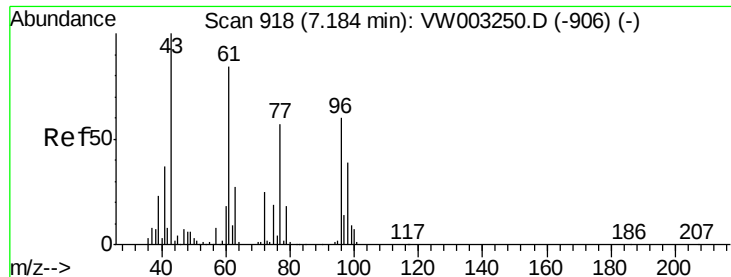
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

100 5.0 2.1 6.5





#25

2-Butanone

Concen: 28.416 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

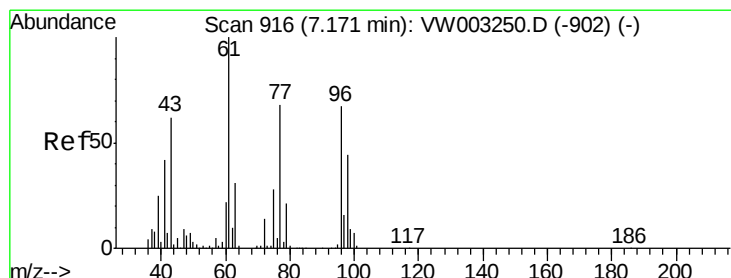
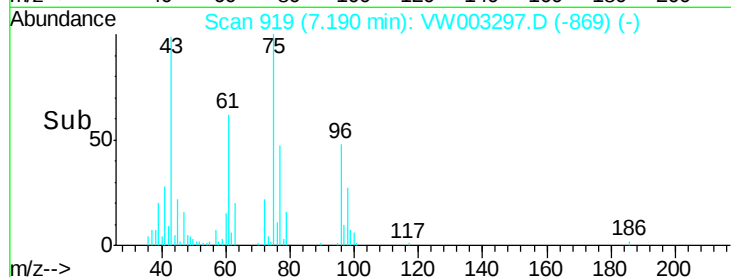
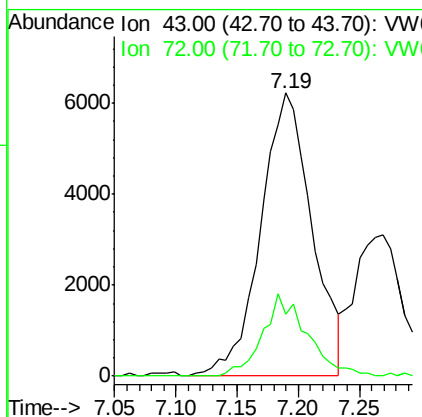
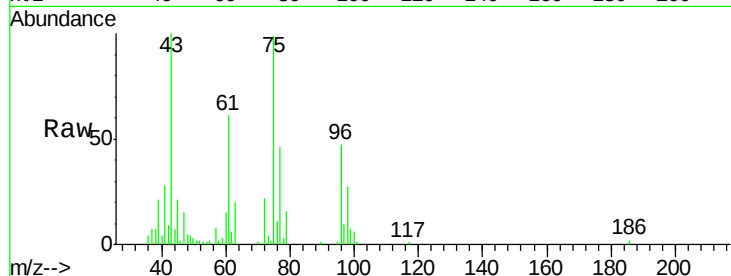
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 18229

Ion Ratio Lower Upper

43 100

72 21.8 20.3 30.5



#26

2,2-Dichloropropane

Concen: 5.815 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003297.D

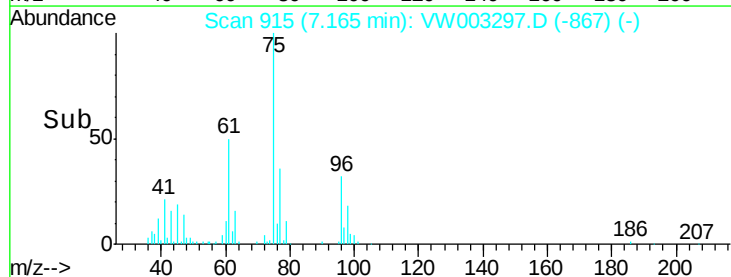
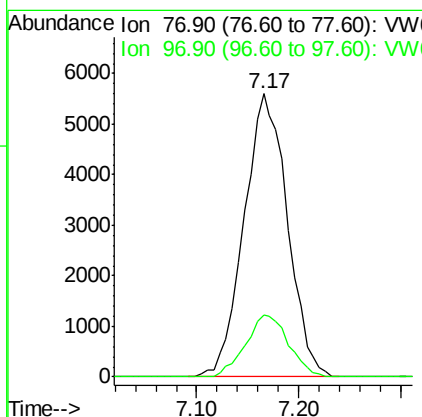
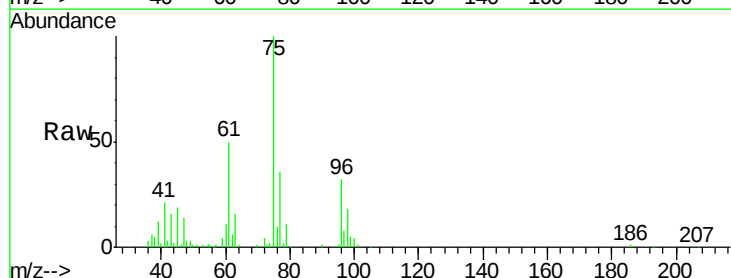
Acq: 15 Jun 2018 17:35

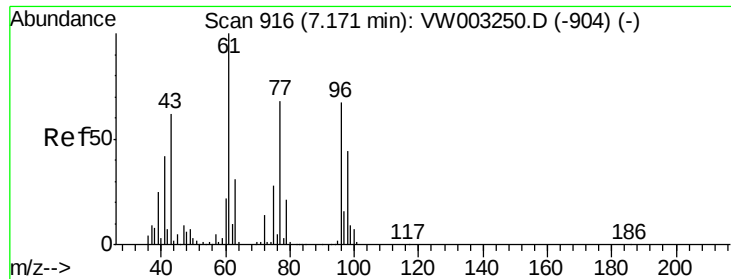
Tgt Ion: 77 Resp: 16512

Ion Ratio Lower Upper

77 100

97 21.6 11.3 33.9



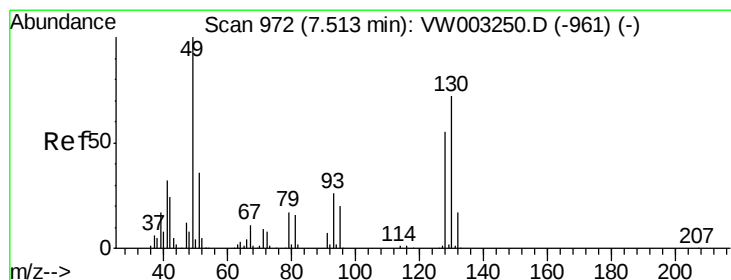
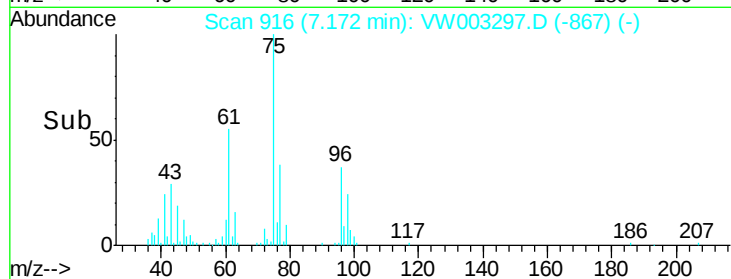
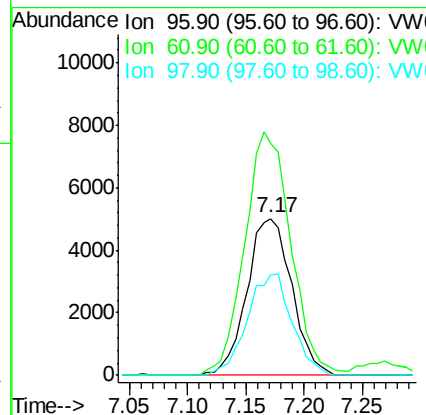
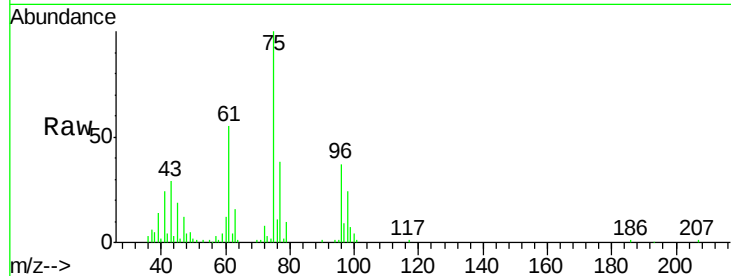


#27

cis-1,2-Dichloroethene
Concen: 5.456 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

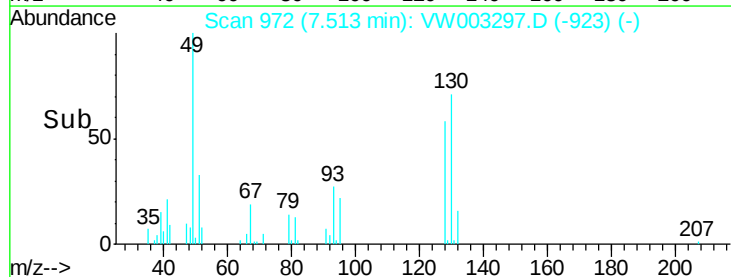
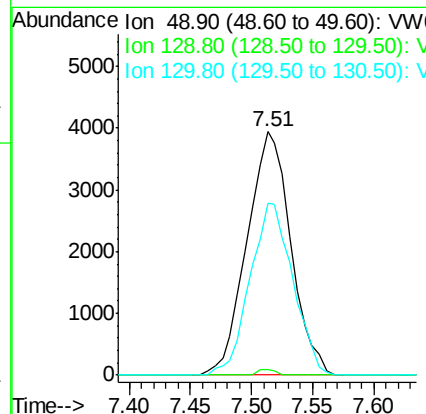
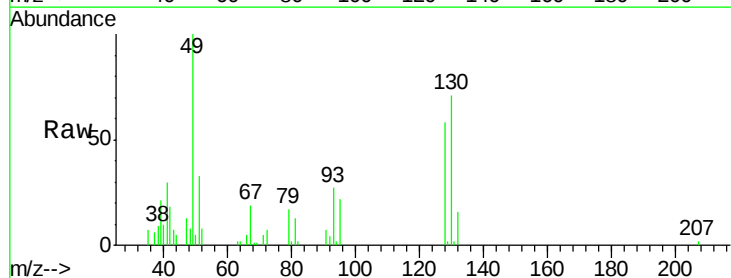
Tot Ion	96	Resp	13409
Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	298.8
98	64.5	0.0	130.4

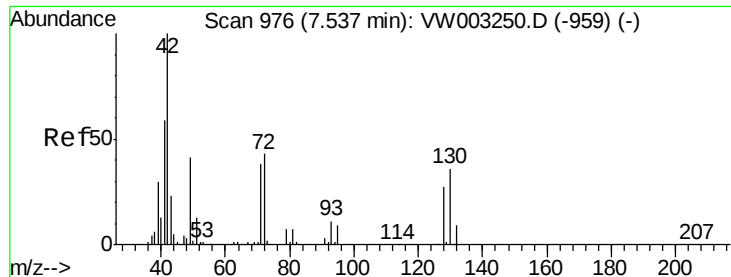


#28

Bromochloromethane
Concen: 5.531 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion	49	Resp	9793
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	69.3	59.4	89.2

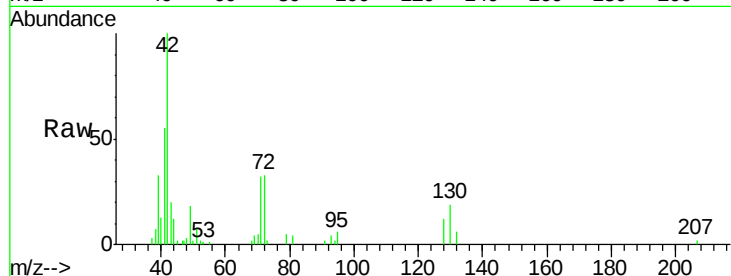




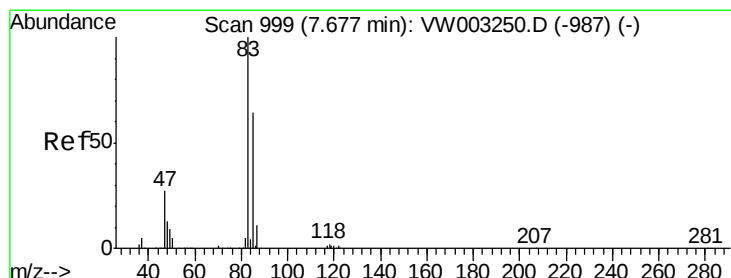
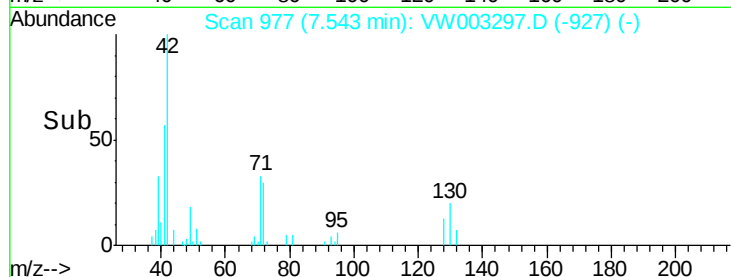
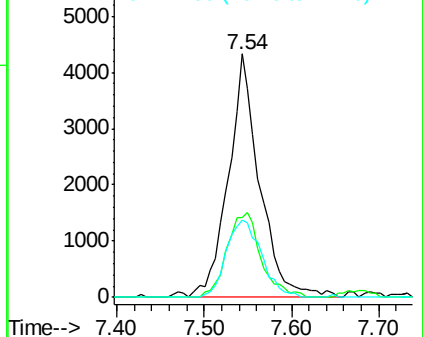
#29
Tetrahydrofuran
Concen: 27.467 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 10769
Ion Ratio Lower Upper
42 100
72 37.8 32.4 48.6
71 35.4 31.2 46.8

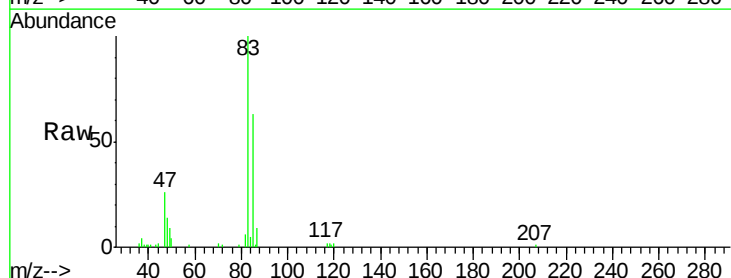


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

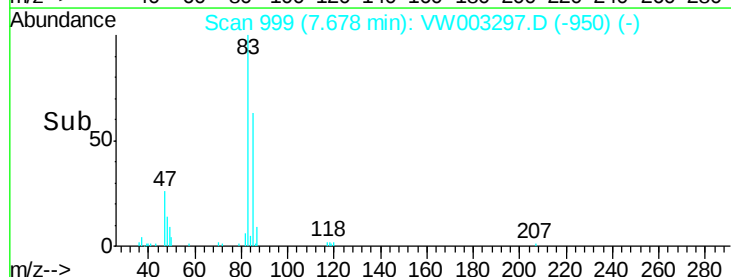
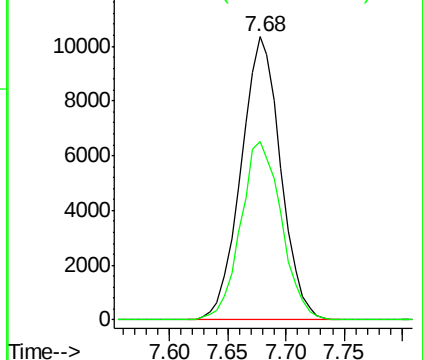


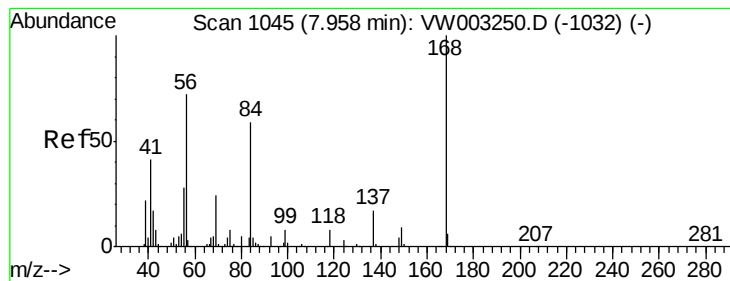
#30
Chloroform
Concen: 5.642 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 83 Resp: 24454
Ion Ratio Lower Upper
83 100
85 63.1 51.3 76.9



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





#31

Cyclohexane

Concen: 6.330 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

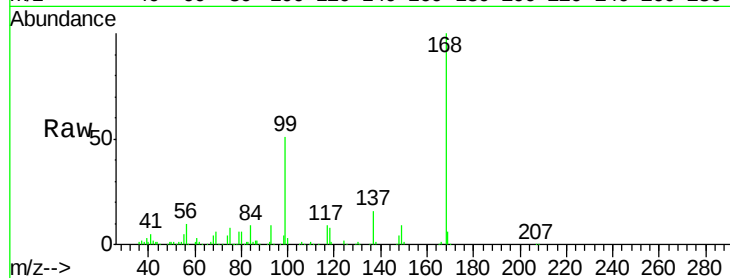
Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

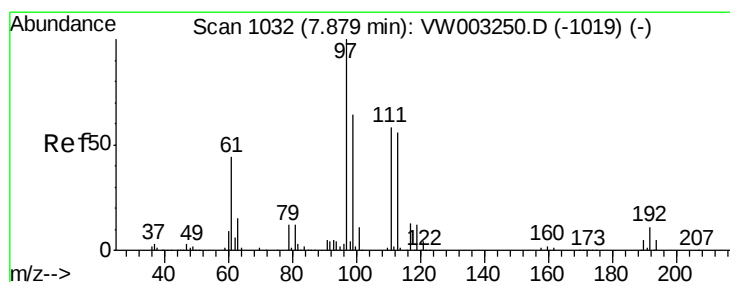
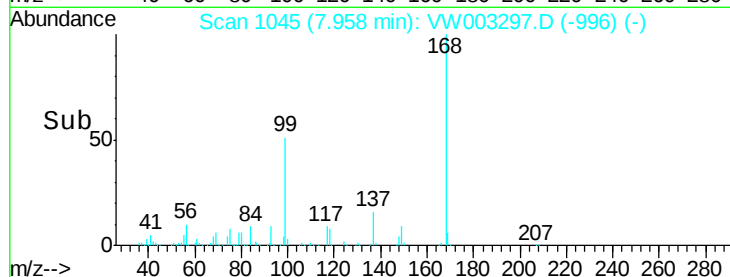
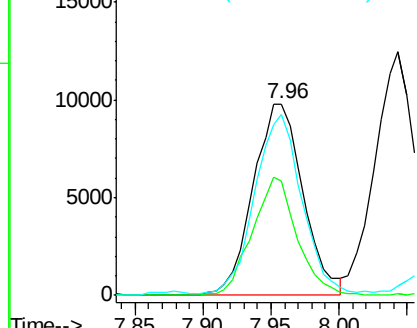
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 25161

Ion	Ratio	Lower	Upper
56	100		
69	59.6	26.3	39.5#
84	93.8	65.7	98.5



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: 5.465 ug/l

RT: 7.88 min Scan# 1032

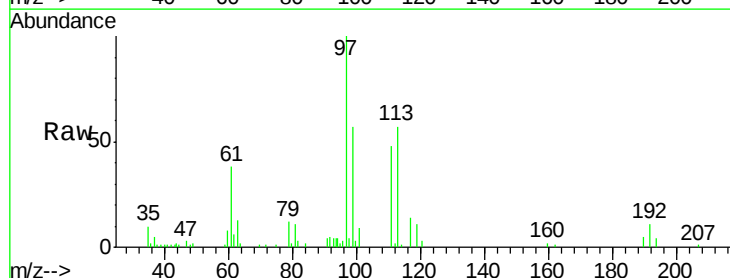
Delta R.T. 0.00 min

Lab File: VW003297.D

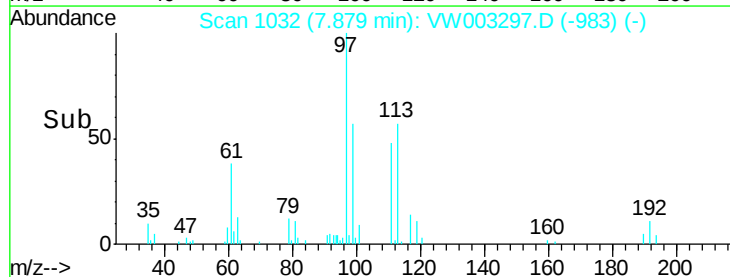
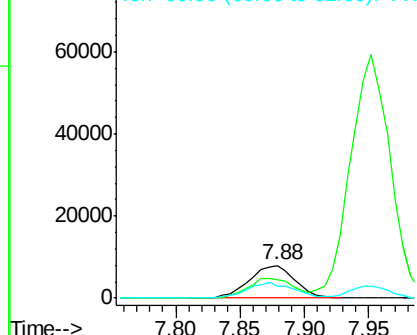
Acq: 15 Jun 2018 17:35

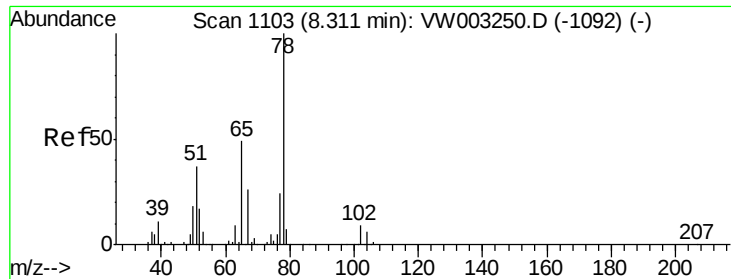
Tgt Ion: 97 Resp: 19554

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.7	77.5
61	48.5	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

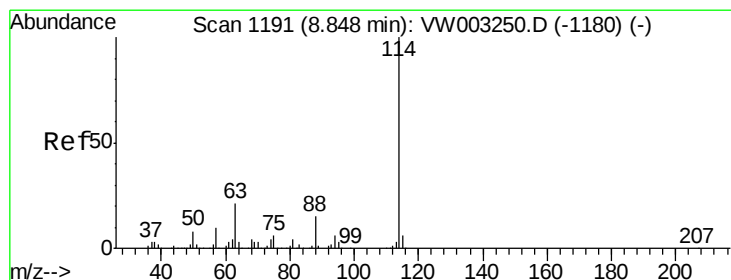
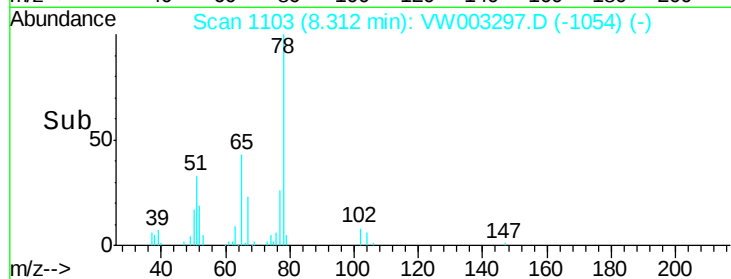
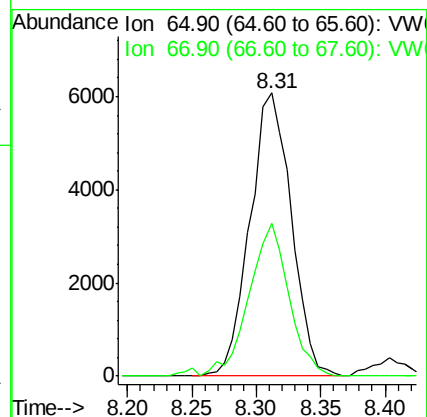
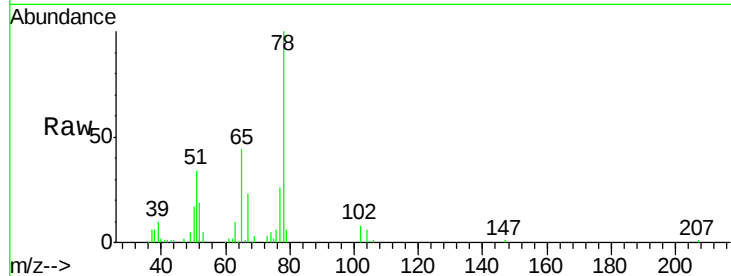




#33
 1,2-Dichloroethane-d4
 Concen: 5.484 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

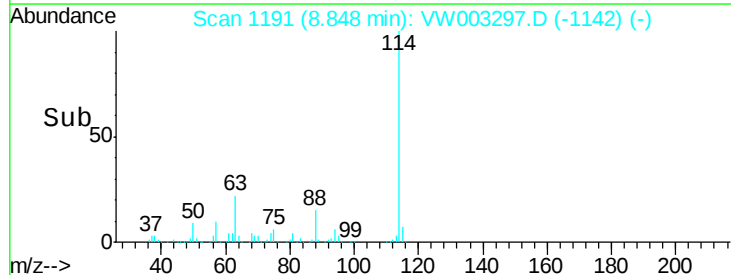
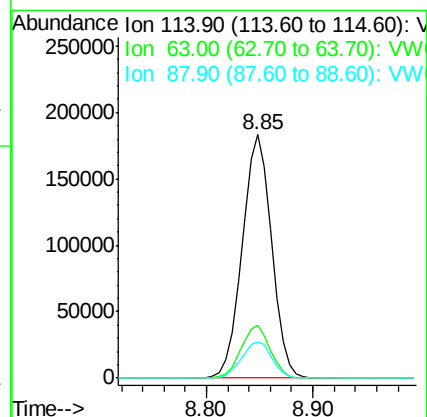
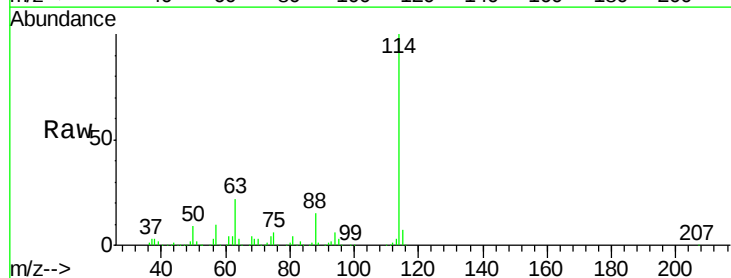
Instrument :
 MSVOA_W
 ClientSampleId :

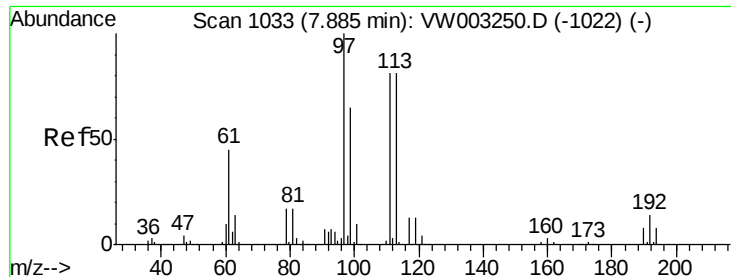
Tot Ion: 65 Resp: 13490
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 114 Resp: 354886
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.0
 88 14.9 0.0 29.6

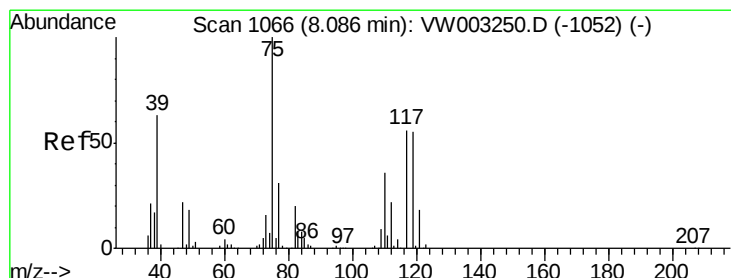
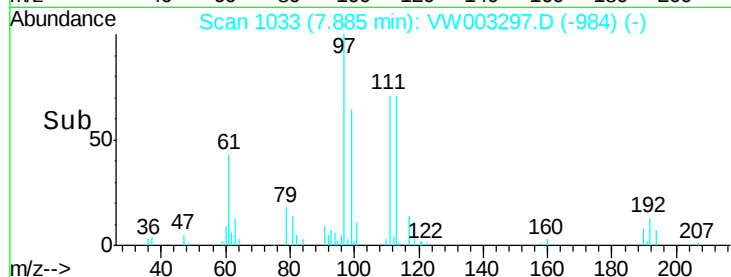
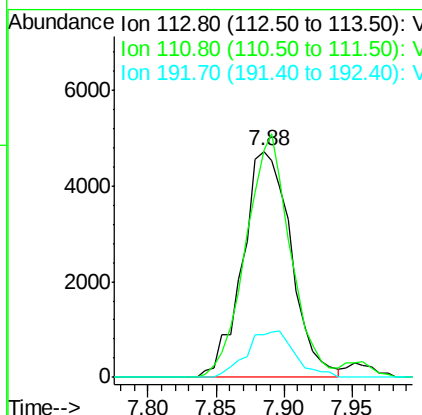
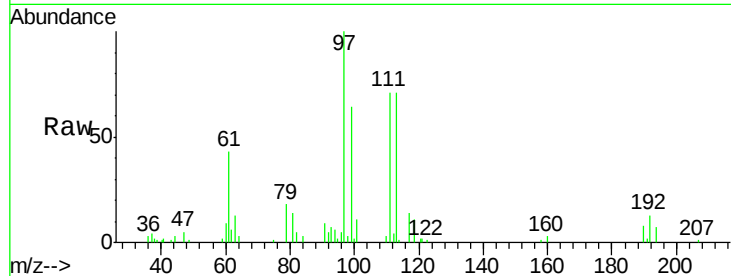




#35
 Dibromofluoromethane
 Concen: 5.337 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

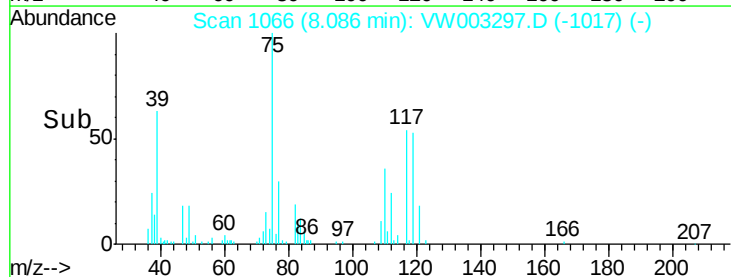
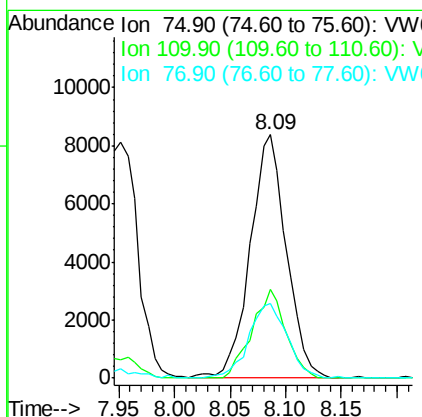
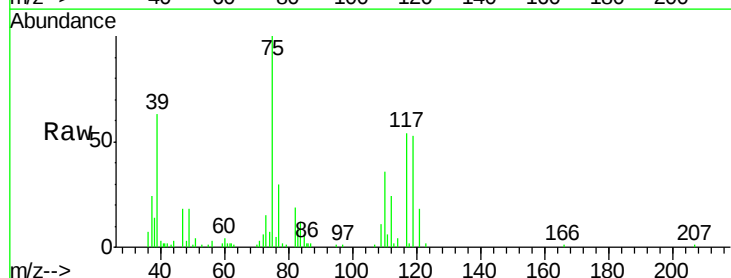
Instrument :
 MSVOA_W
 ClientSampleId :

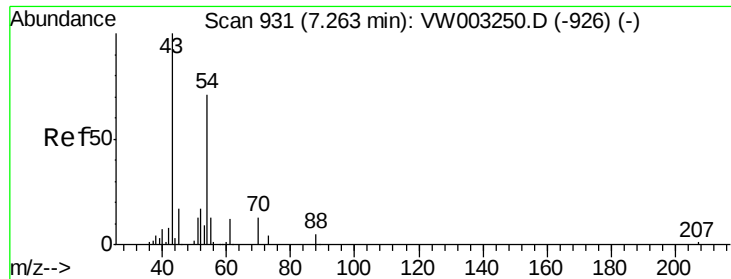
Tot Ion:113 Resp: 11769
 Ion Ratio Lower Upper
 113 100
 111 98.9 82.2 123.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.542 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 75 Resp: 18994
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.1 51.3
 77 32.4 24.9 37.3

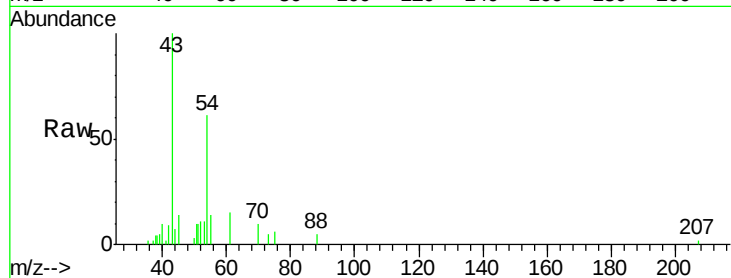




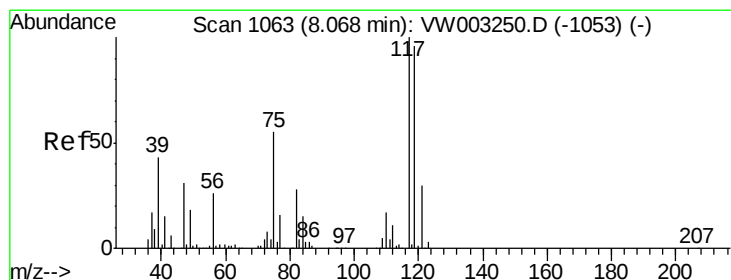
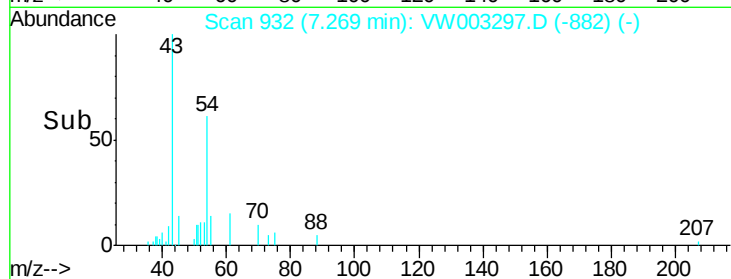
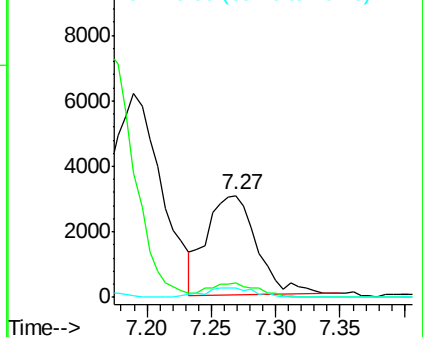
#37
Ethyl Acetate
Concen: 5.837 ug/l
RT: 7.27 min Scan# 932
Delta R.T. 0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 8287
Ion Ratio Lower Upper
43 100
61 13.2 10.8 16.2
70 10.3 7.8 11.6

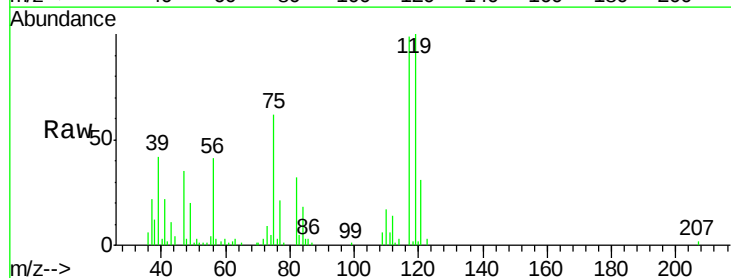


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

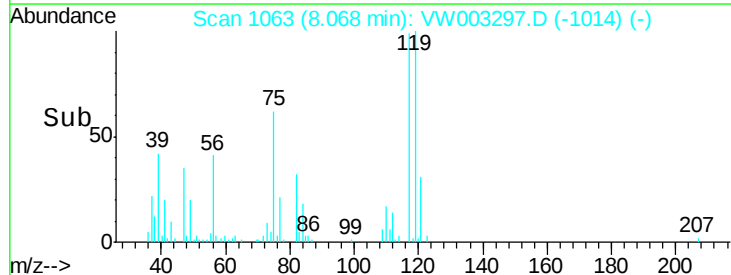
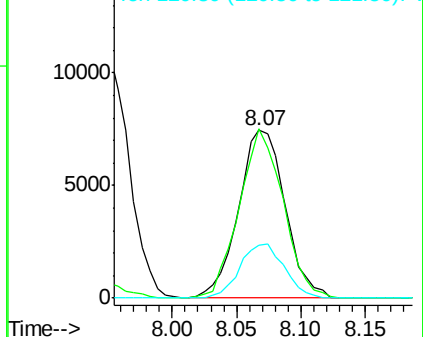


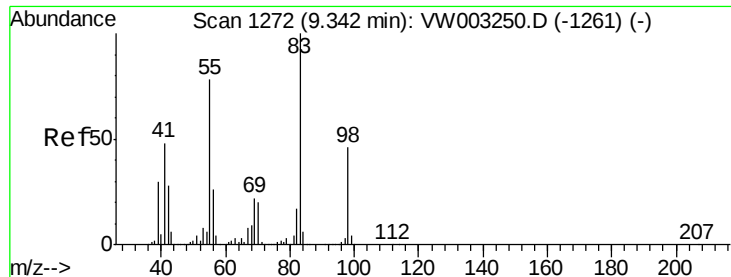
#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 117 Resp: 18659
Ion Ratio Lower Upper
117 100
119 101.2 76.6 115.0
121 31.5 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

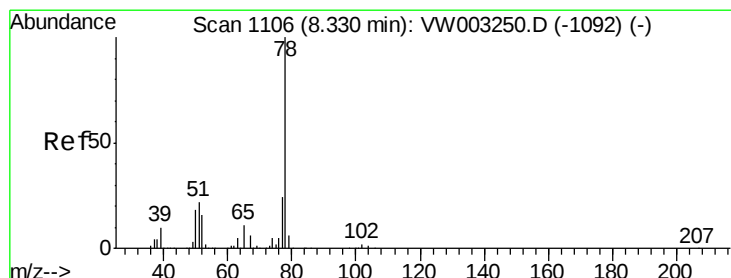
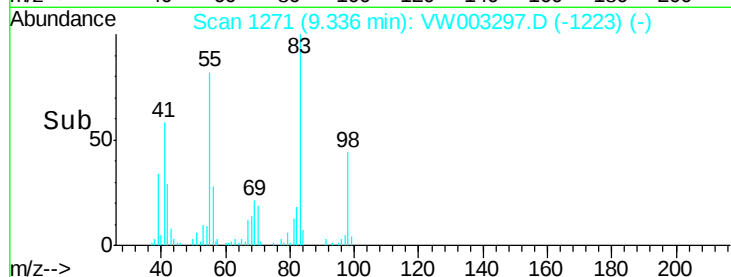
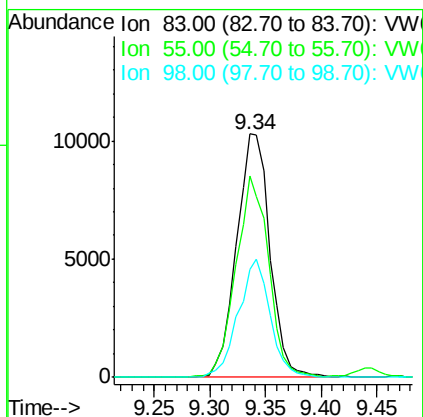
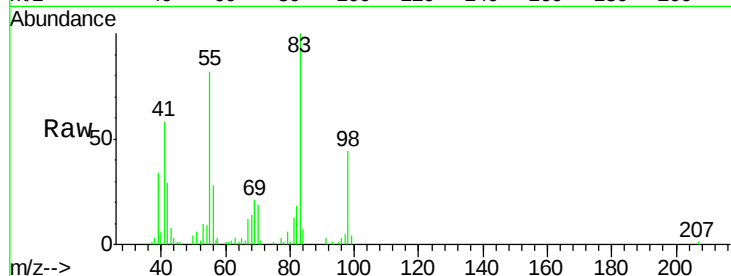




#39
Methvlcvclohexane
Concen: 5.385 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

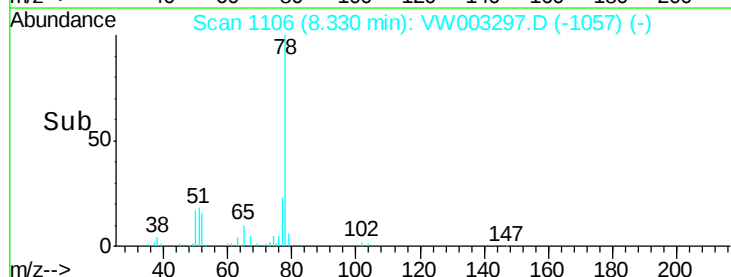
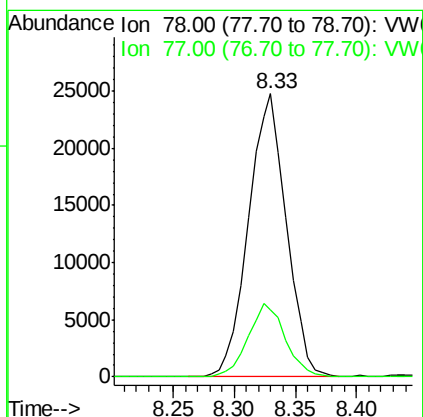
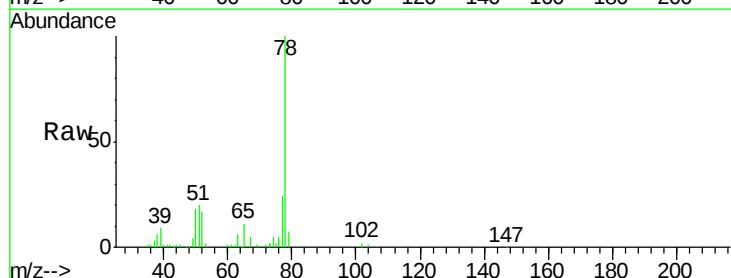
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 21356
Ion Ratio Lower Upper
83 100
55 82.5 62.6 93.8
98 44.3 37.0 55.4



#40
Benzene
Concen: 5.645 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 78 Resp: 53327
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6

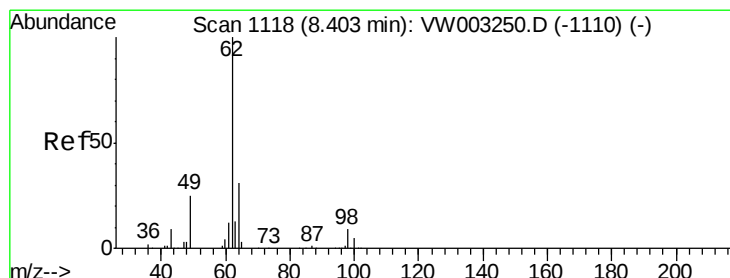
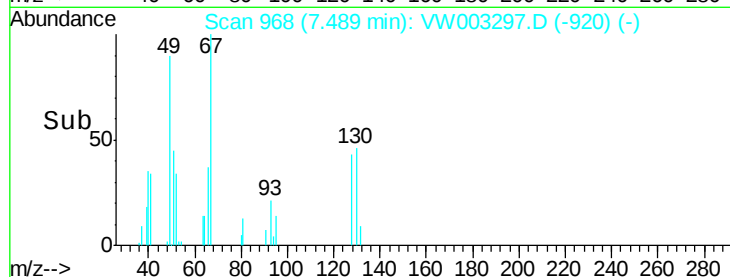
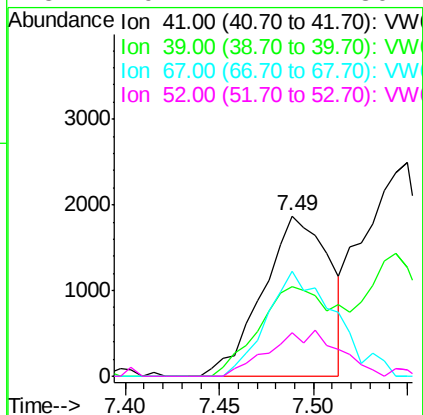
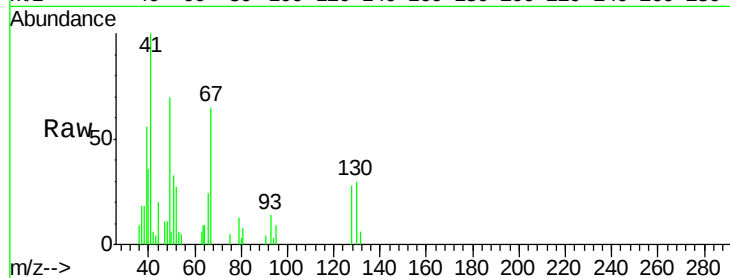




#41
Methacrylonitrile
Concen: 5.278 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

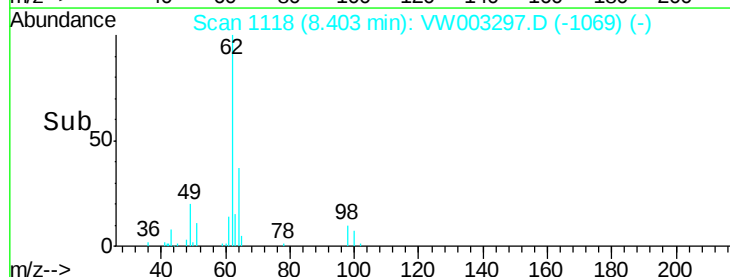
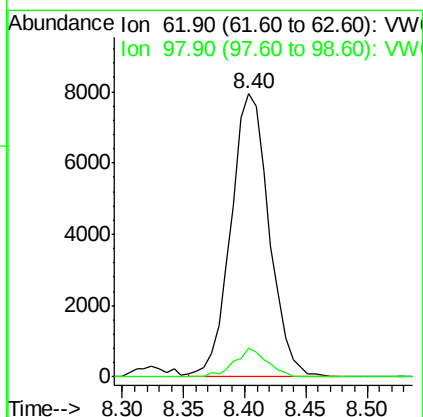
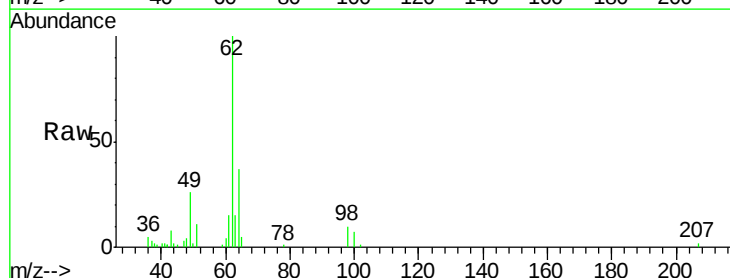
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	4599
Ion	Ratio	Lower	Upper
41	100		
39	66.3	45.8	68.8
67	67.3	52.3	78.5
52	29.4	24.1	36.1



#42
1,2-Dichloroethane
Concen: 5.809 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion:	62	Resp:	17194
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 5.333 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

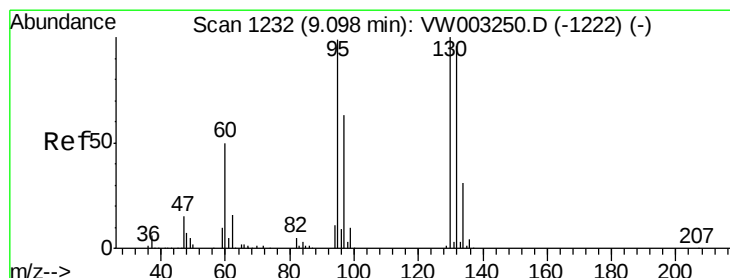
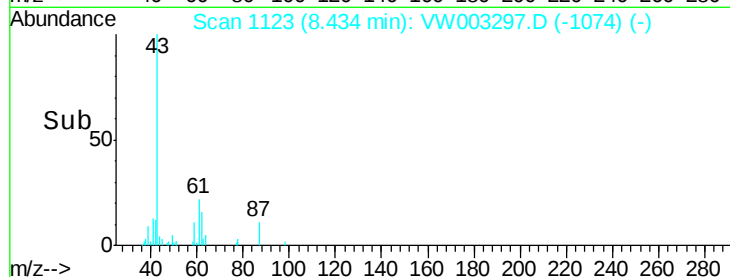
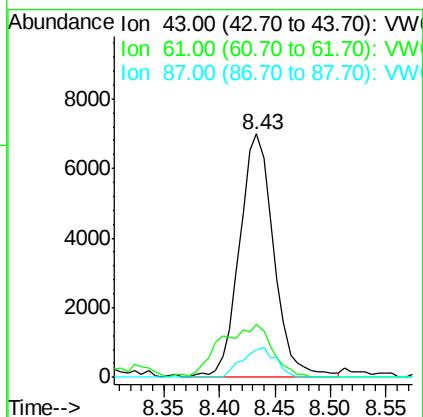
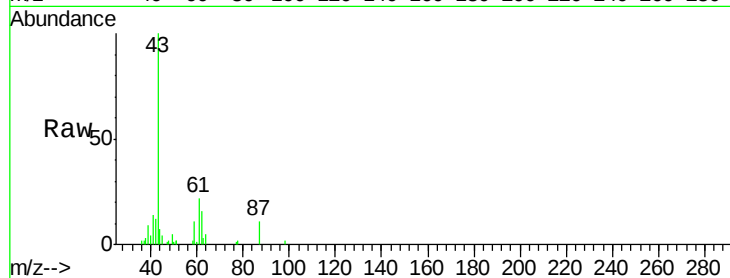
Tot Ion: 43 Resp: 15034

Ion Ratio Lower Upper

43 100

61 32.8 23.1 34.7

87 11.8 9.8 14.6



#44

Trichloroethene

Concen: 5.535 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003297.D

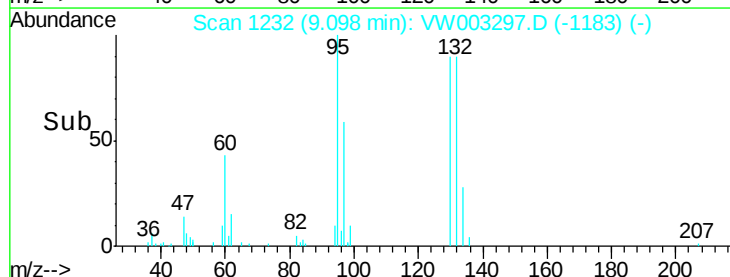
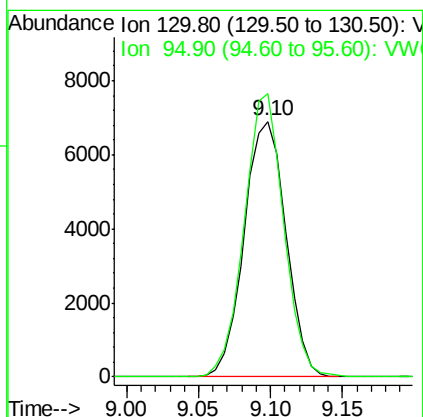
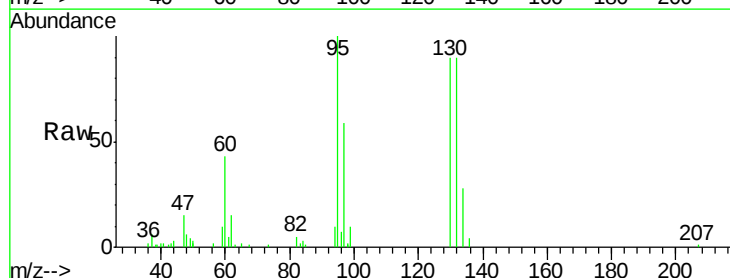
Acq: 15 Jun 2018 17:35

Tgt Ion: 130 Resp: 13855

Ion Ratio Lower Upper

130 100

95 110.9 0.0 198.0





#45

1,2-Dichloropropane

Concen: 5.529 ug/l

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

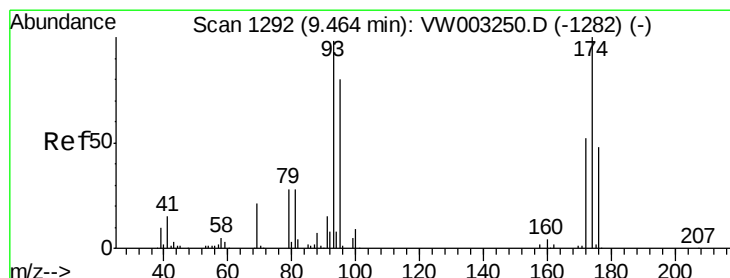
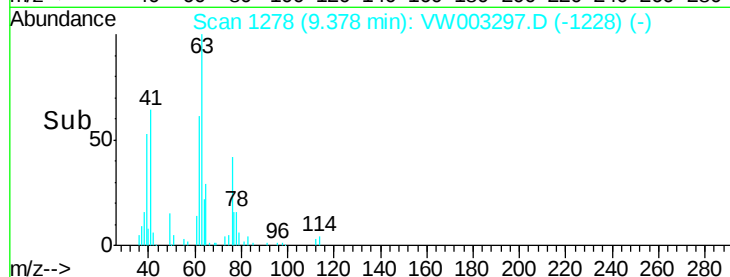
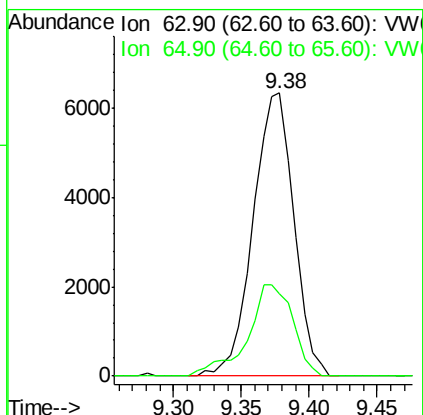
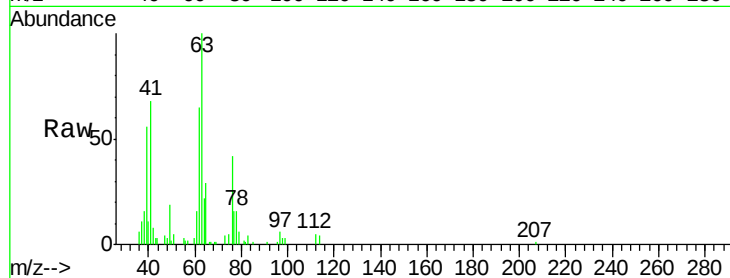
ClientSampleId :

Tot Ion: 63 Resp: 13300

Ion Ratio Lower Upper

63 100

65 29.3 25.1 37.7



#46

Dibromomethane

Concen: 5.782 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

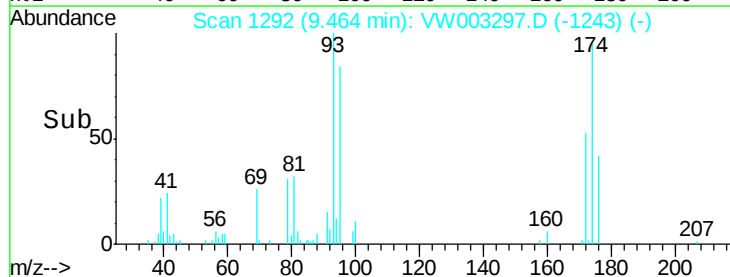
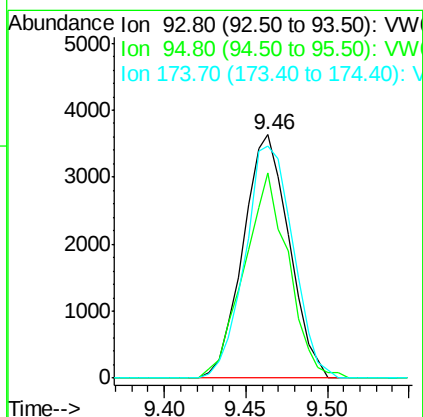
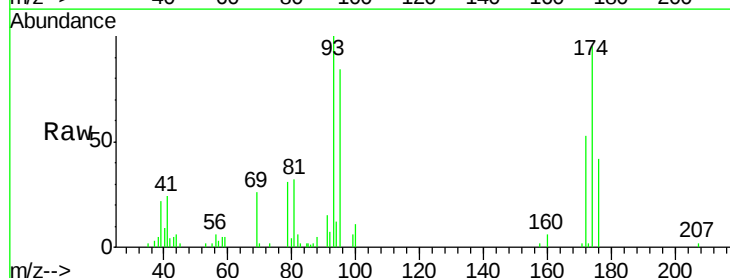
Tgt Ion: 93 Resp: 7120

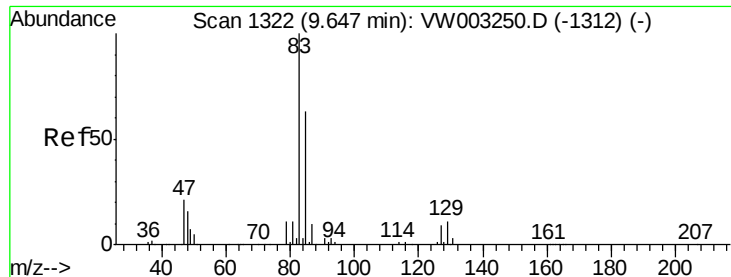
Ion Ratio Lower Upper

93 100

95 81.5 65.8 98.8

174 99.3 81.4 122.0





#47

Bromodichloromethane

Concen: 5.456 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

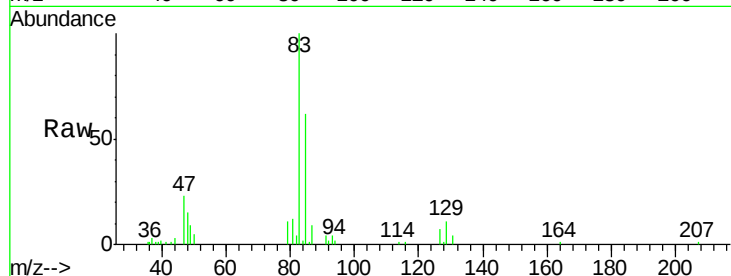
Tot Ion: 83 Resp: 17223

Ion Ratio Lower Upper

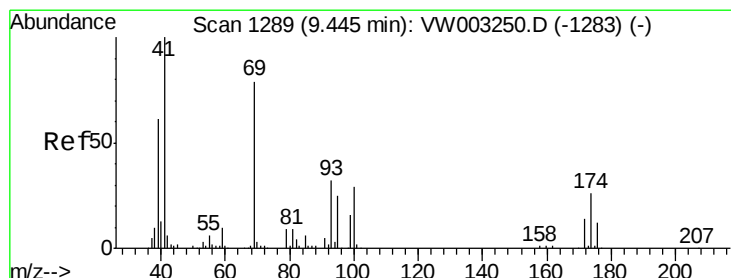
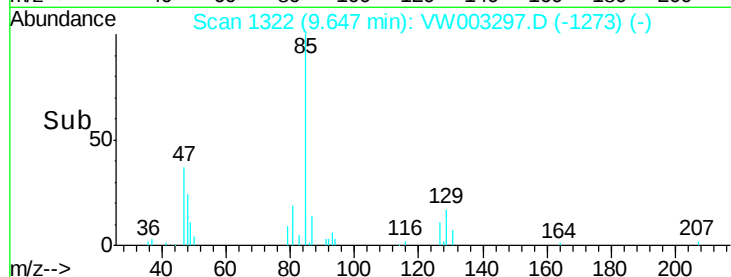
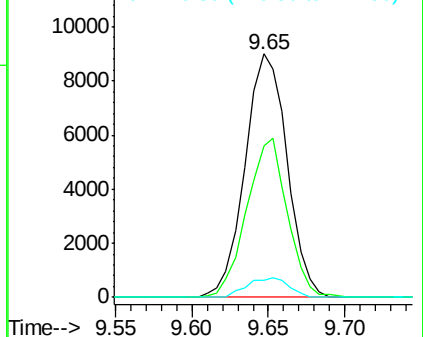
83 100

85 62.4 50.6 75.8

127 7.1 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: 5.146 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

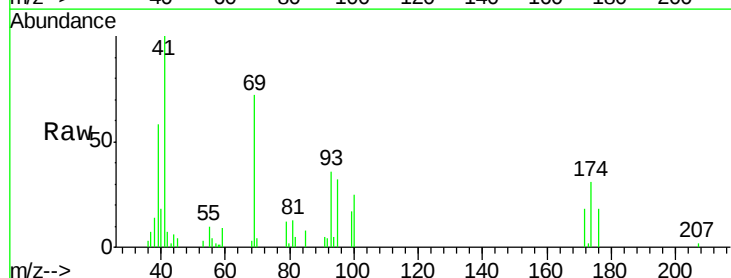
Tgt Ion: 41 Resp: 6818

Ion Ratio Lower Upper

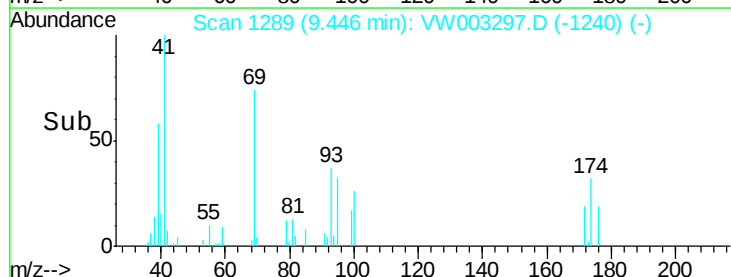
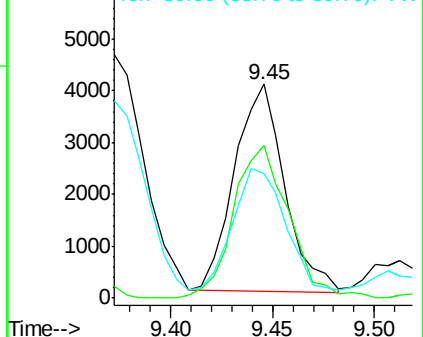
41 100

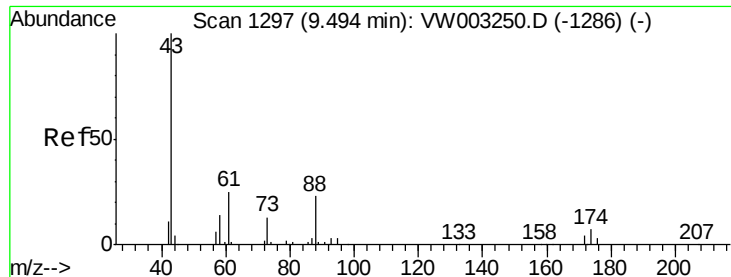
69 81.2 65.4 98.2

39 70.6 54.2 81.2



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

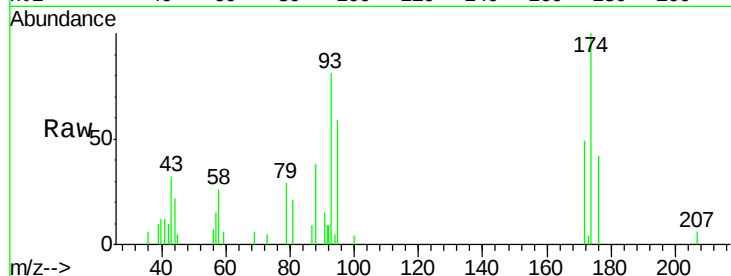




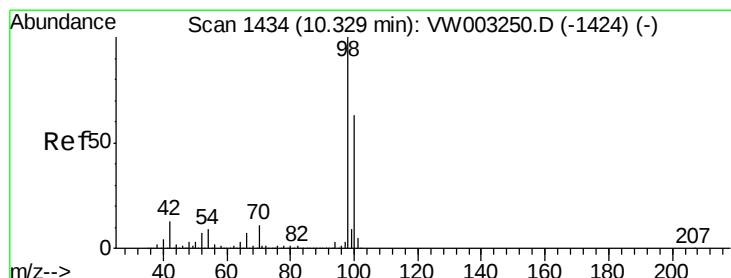
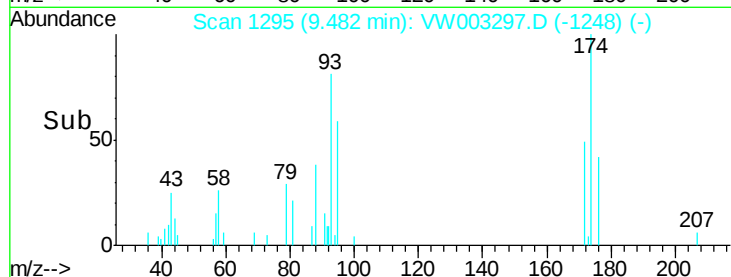
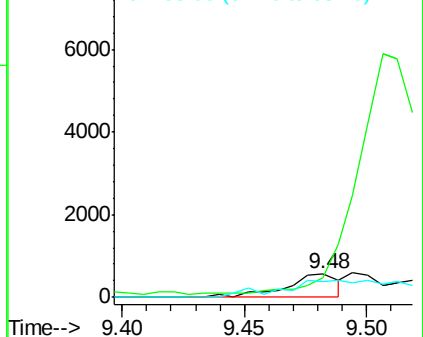
#49
1,4-Dioxane
Concen: 45.767 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 851
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 62.0 58.6 88.0

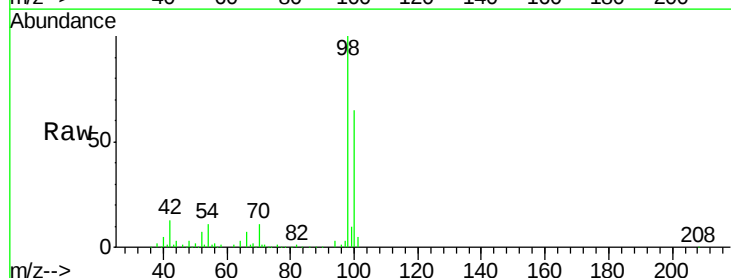


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

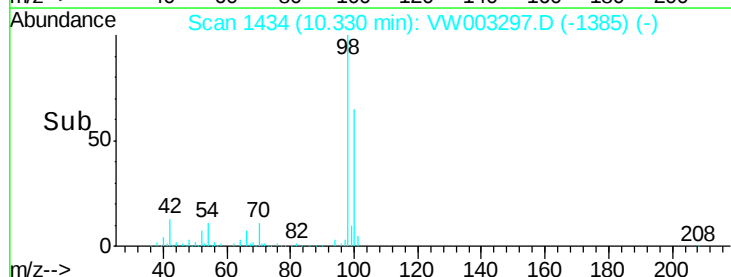
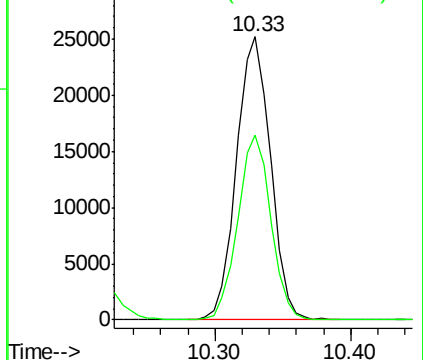


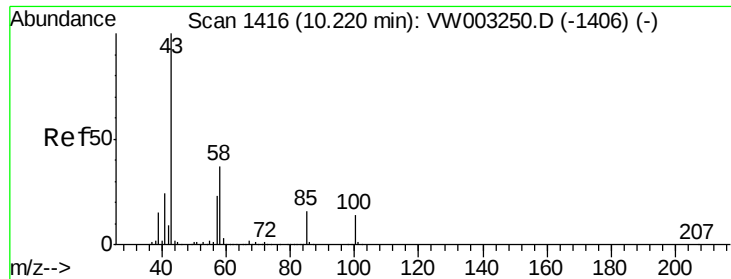
#50
Toluene-d8
Concen: 5.035 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 98 Resp: 44027
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2



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

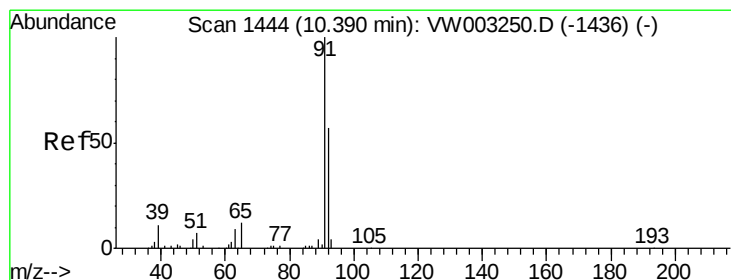
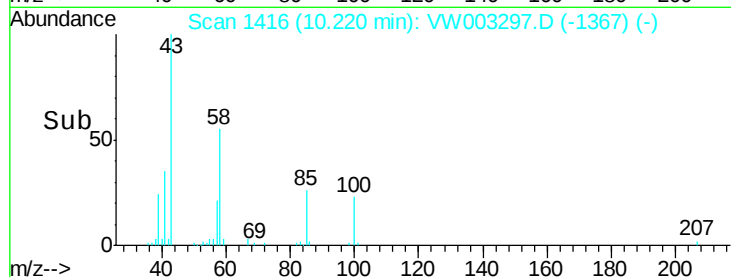
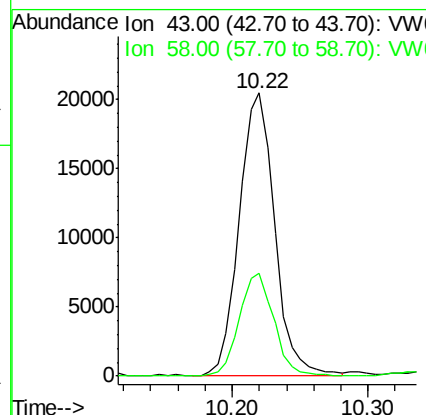
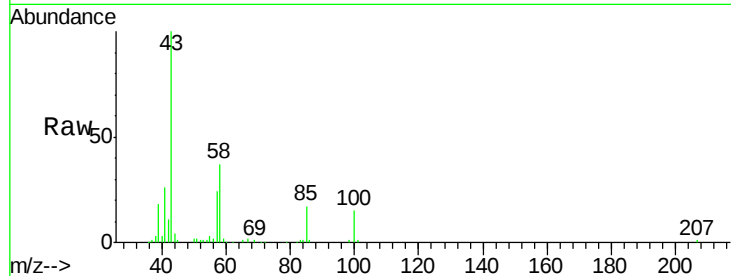




#51
 4-Methyl-2-Pentanone
 Concen: 26.054 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

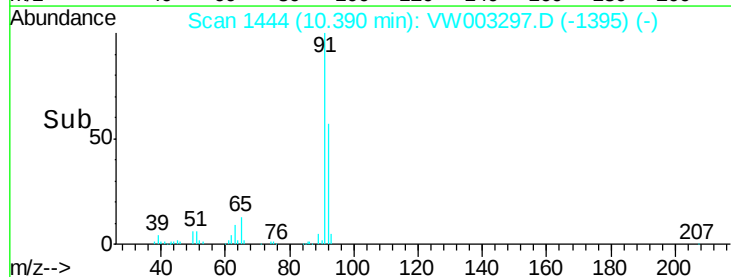
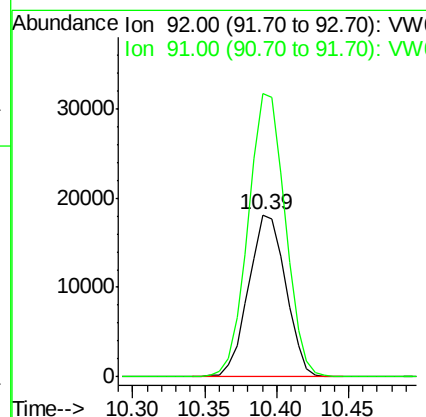
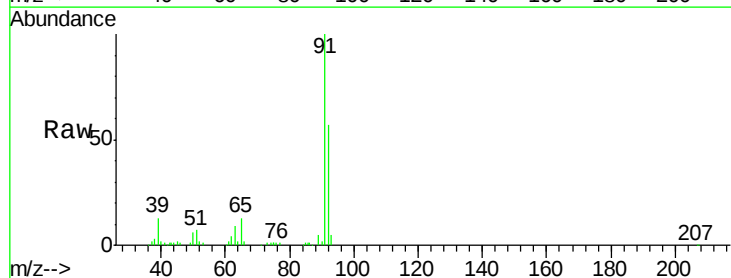
Instrument :
 MSVOA_W
 ClientSampled :

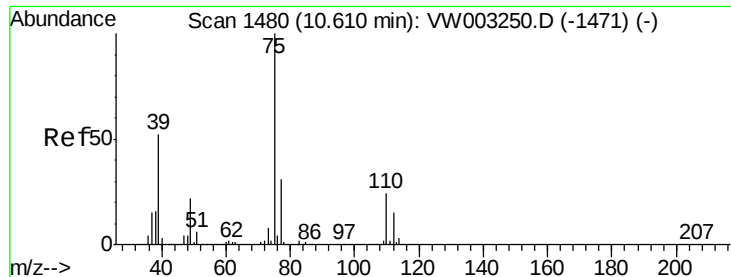
Tot Ion: 43 Resp: 37429
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.0 43.4



#52
 Toluene
 Concen: 5.334 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 92 Resp: 32315
 Ion Ratio Lower Upper
 92 100
 91 174.1 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 5.046 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

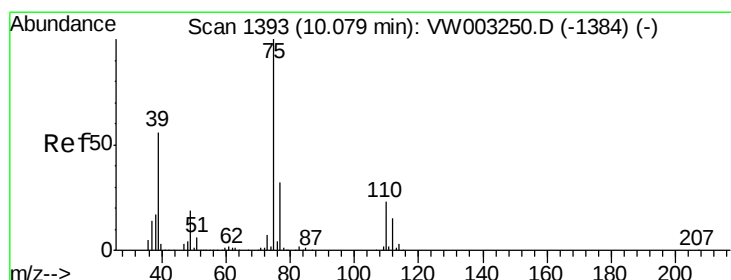
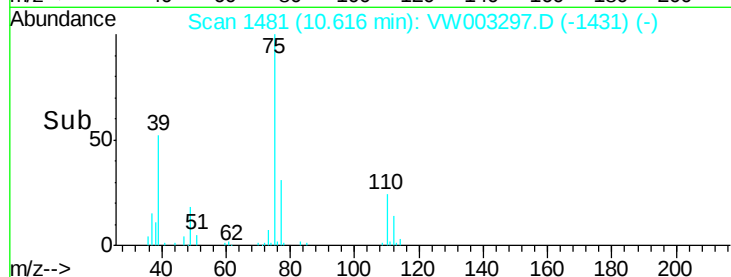
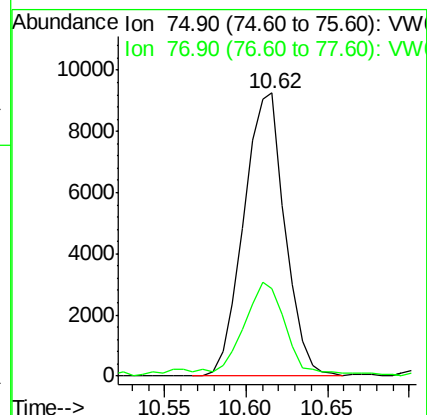
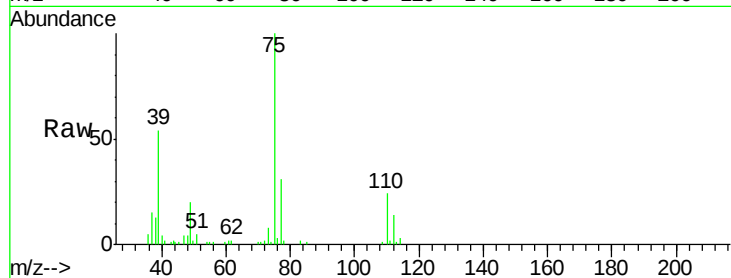
ClientSampled :

Tot Ion: 75 Resp: 16271

Ion Ratio Lower Upper

75 100

77 29.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 5.170 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

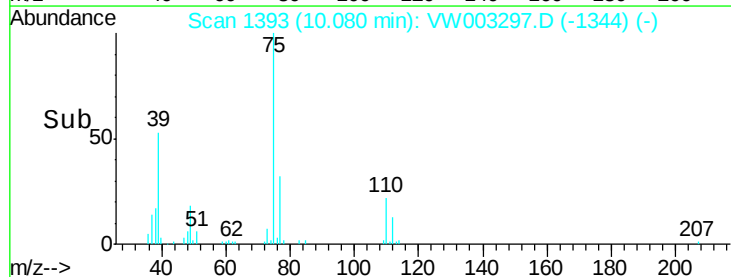
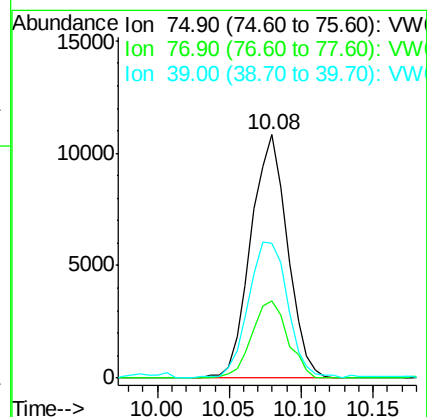
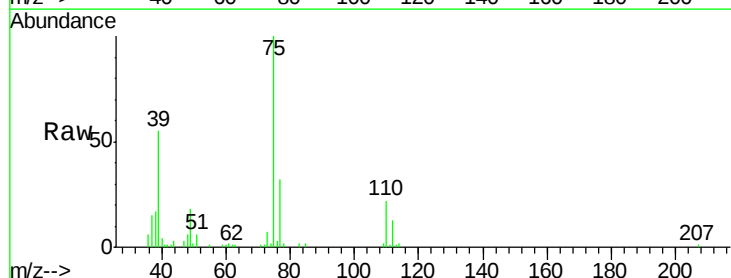
Tgt Ion: 75 Resp: 18976

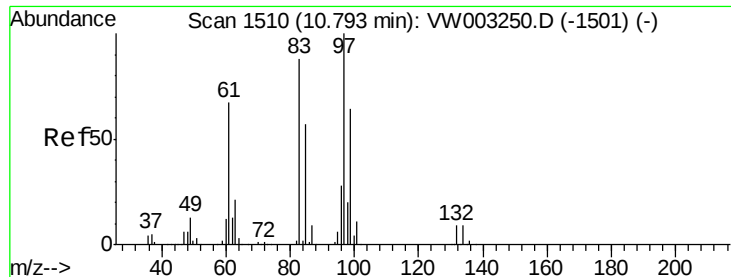
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

39 55.4 45.2 67.8

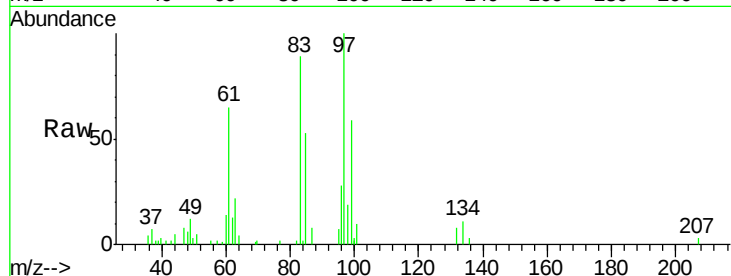




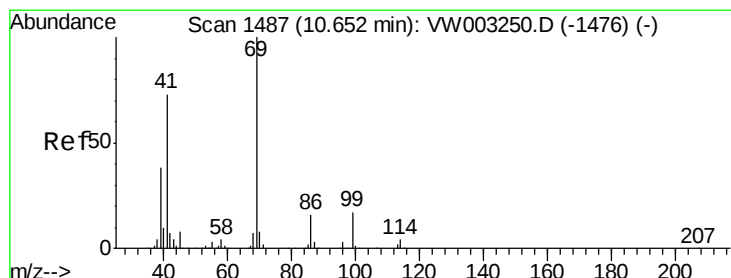
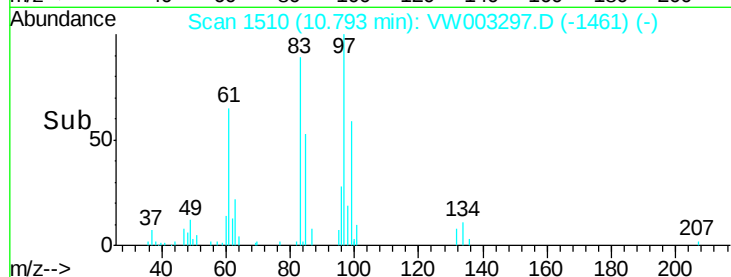
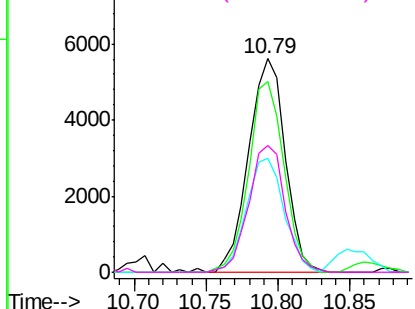
#55
 1,1,2-Trichloroethane
 Concen: 5.676 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	9849
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.2	105.2
85	53.4	45.6	68.4
99	59.3	51.2	76.8

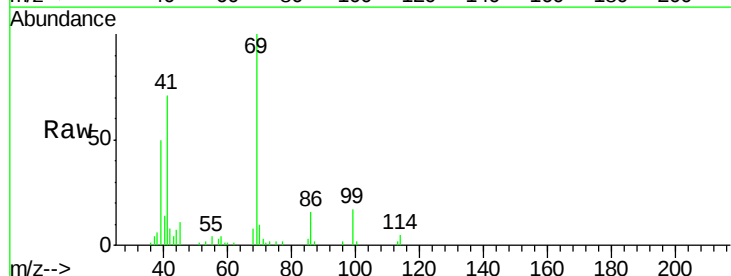


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

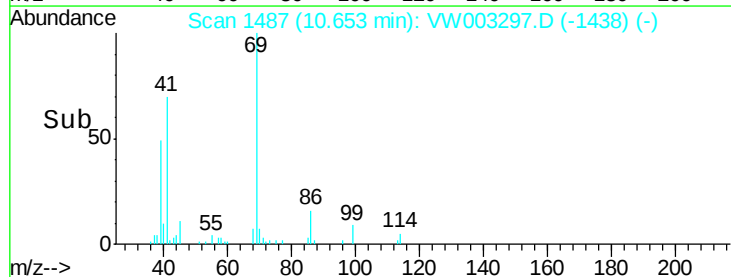
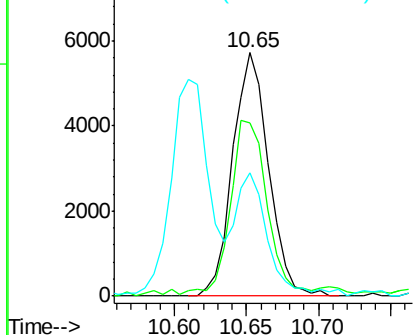


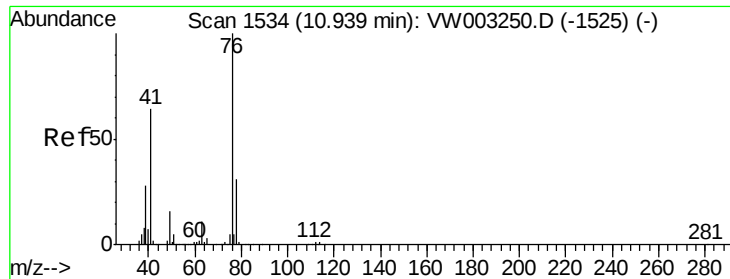
#56
 Ethyl methacrylate
 Concen: 4.703 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion:	69	Resp:	9910
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.8	86.6
39	41.7	32.7	49.1



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

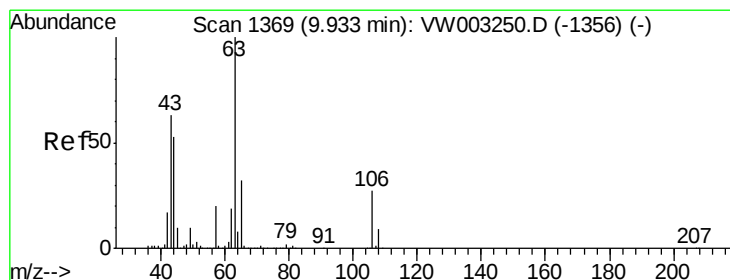
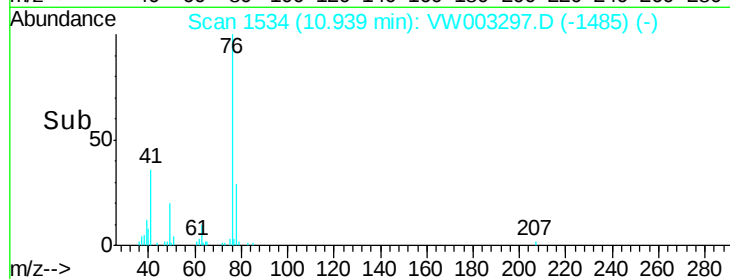
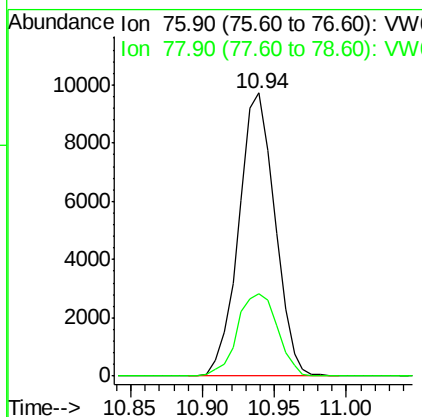
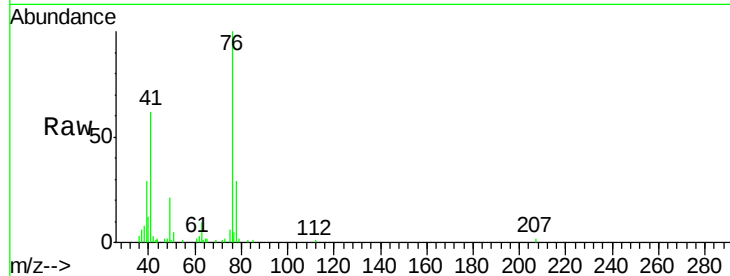




#57
 1,3-Dichloropropane
 Concen: 5.670 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

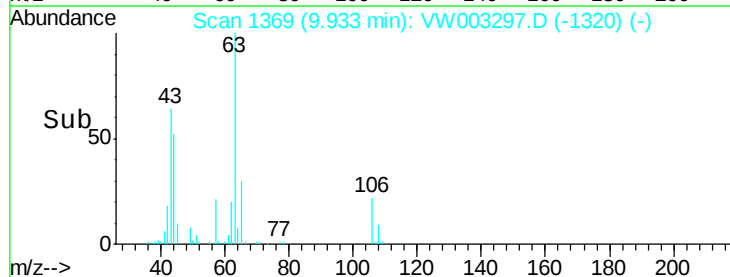
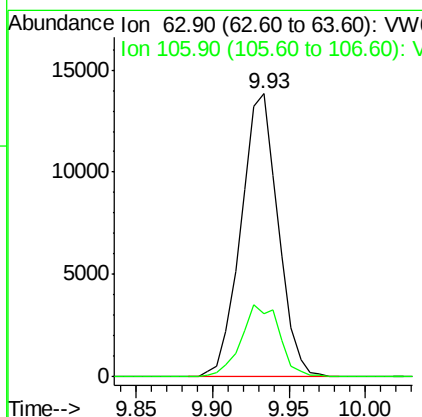
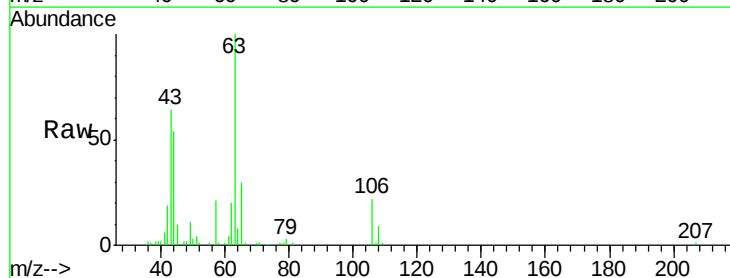
Instrument :
 MSVOA_W
 ClientSampled :

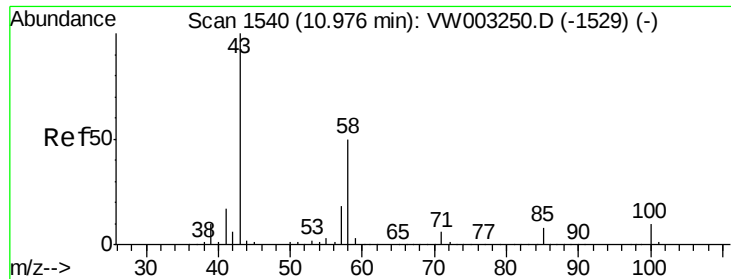
Tot Ion: 76 Resp: 16970
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.679 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion: 63 Resp: 23313
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.8 32.8

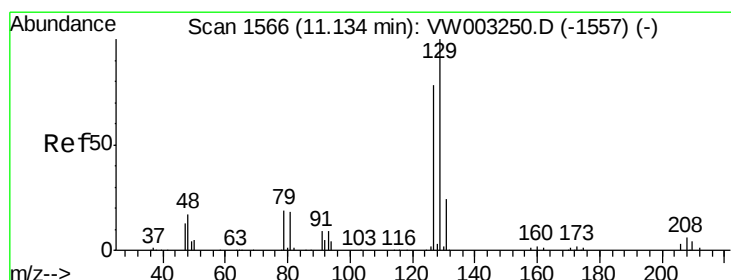
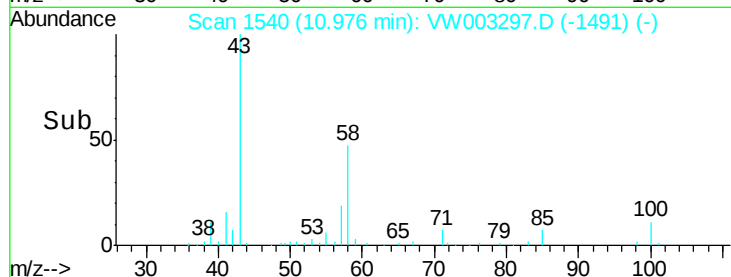
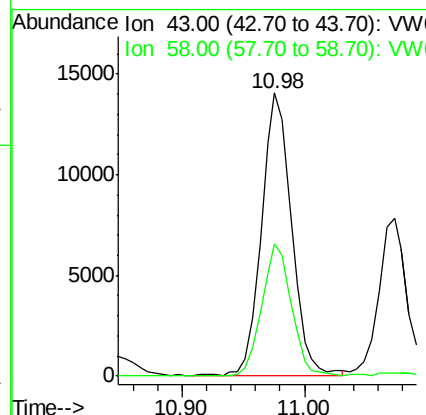
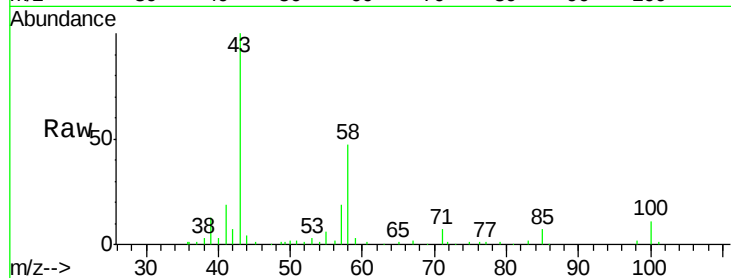




#59
2-Hexanone
Concen: 24.120 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

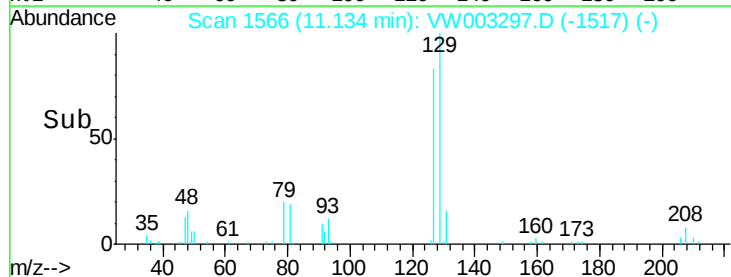
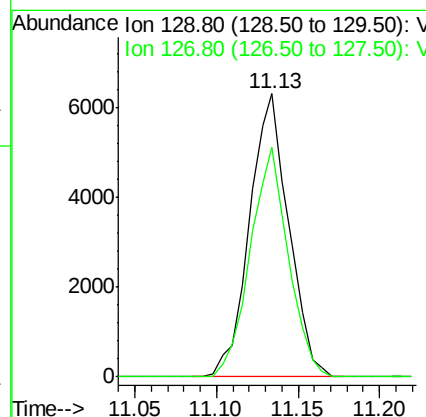
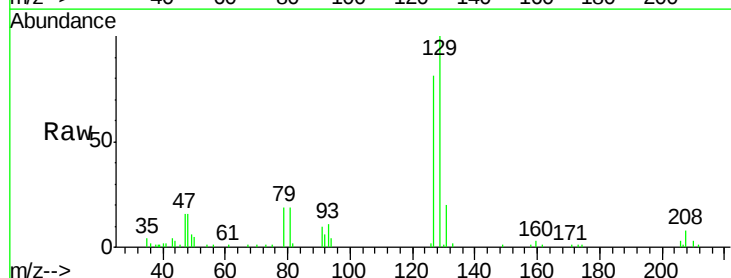
Instrument :
MSVOA_W
ClientSampleId :

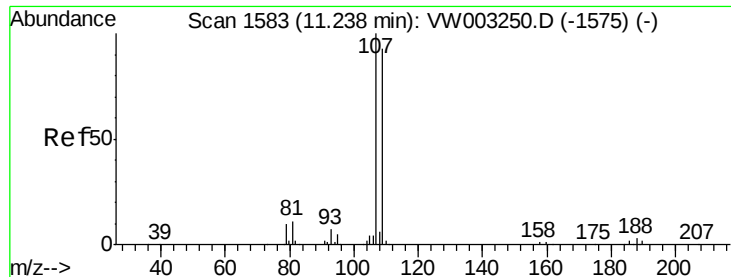
Tot Ion: 43 Resp: 24206
Ion Ratio Lower Upper
43 100
58 45.7 25.0 75.0



#60
Dibromochloromethane
Concen: 5.088 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 129 Resp: 10500
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.5





#61

1,2-Dibromoethane

Concen: 5.376 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

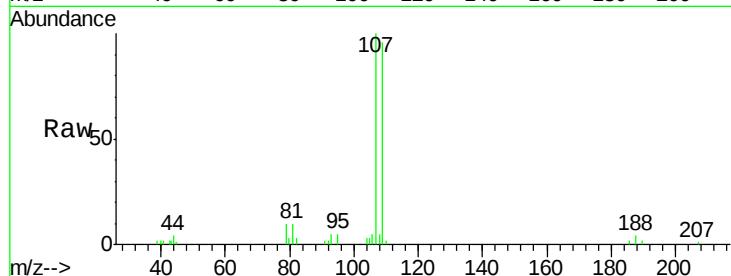
ClientSampleId :

Tot Ion: 107 Resp: 8824

Ion Ratio Lower Upper

107 100

109 95.4 75.8 113.6

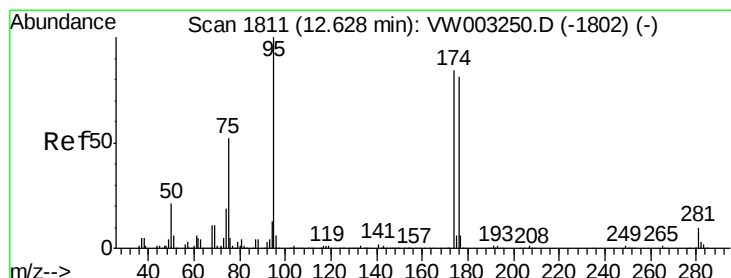
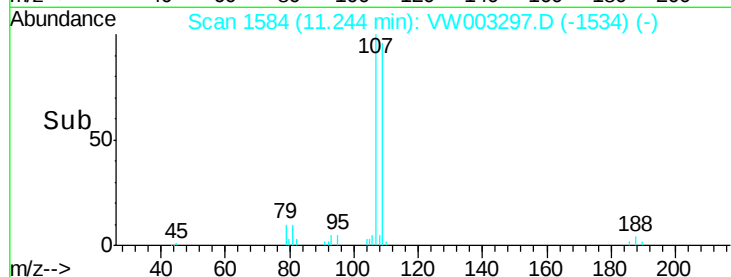


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.831 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

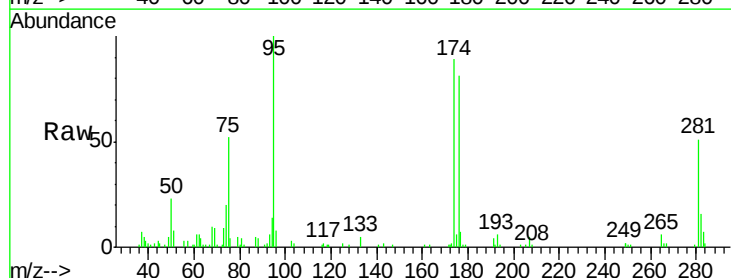
Tgt Ion: 95 Resp: 14948

Ion Ratio Lower Upper

95 100

174 82.3 0.0 166.4

176 80.7 0.0 162.0



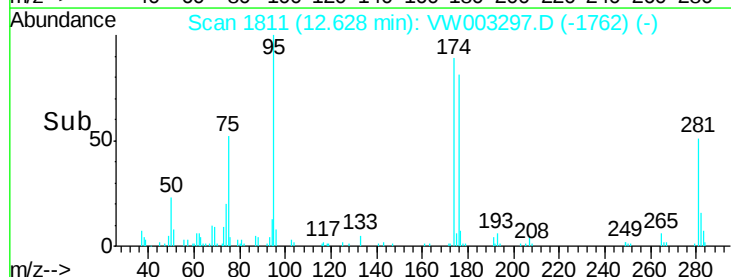
Abundance Ion 94.90 (94.60 to 95.60): VW

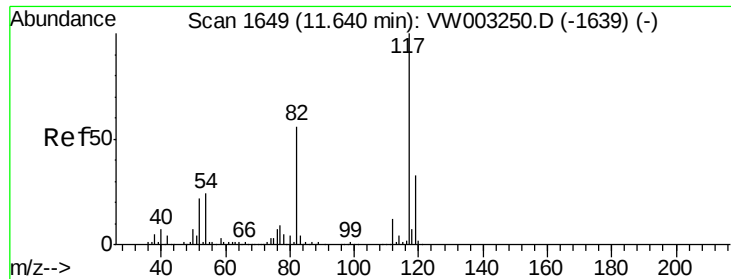
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time--> 12.55 12.60 12.65 12.70

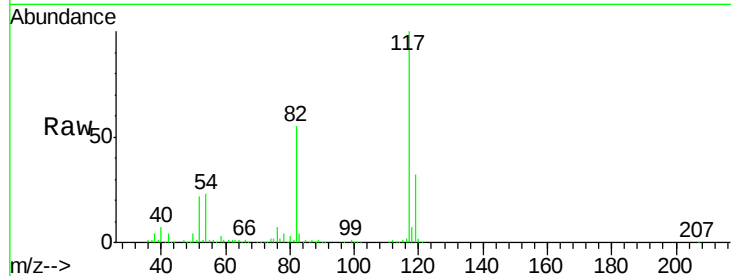




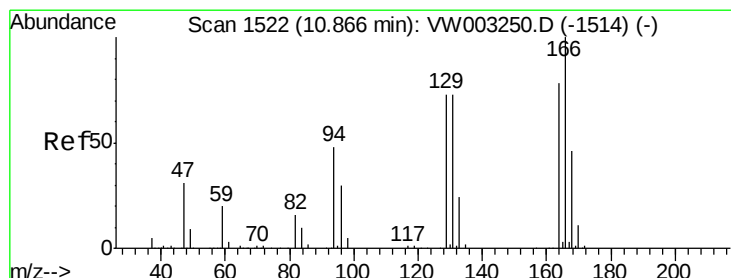
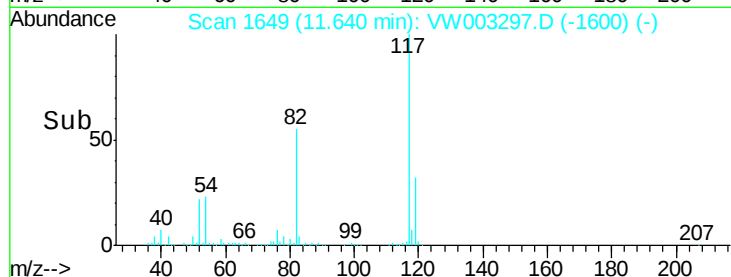
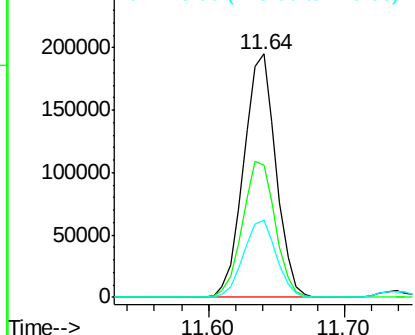
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 322866
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.6 26.7 40.1

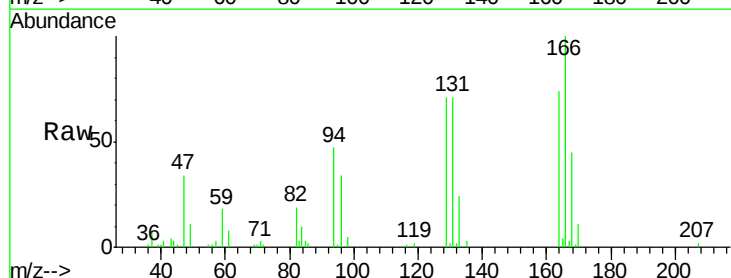


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

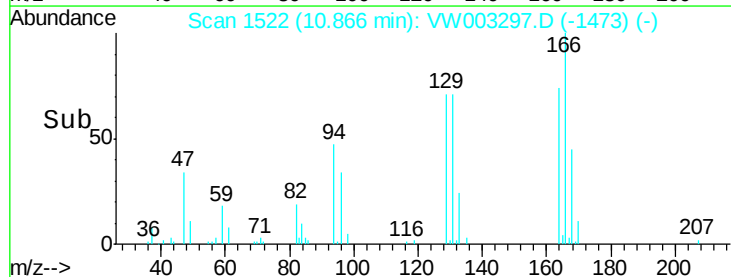
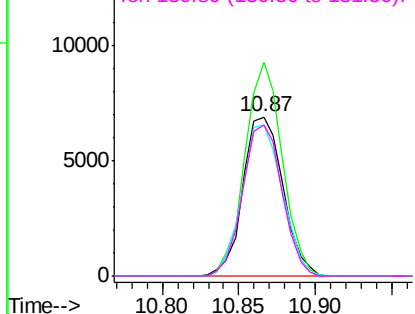


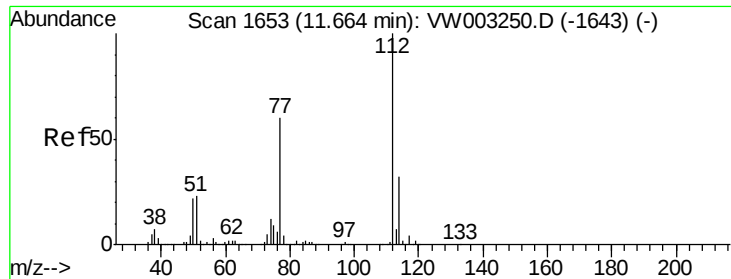
#64
Tetrachloroethene
Concen: 5.831 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion:164 Resp: 12591
Ion Ratio Lower Upper
164 100
166 134.6 102.6 154.0
129 95.3 75.2 112.8
131 95.4 75.0 112.4



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





#65

Chlorobenzene

Concen: 5.304 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

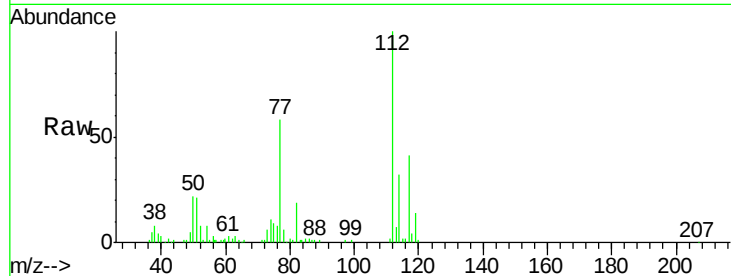
ClientSampleId :

Tot Ion:112 Resp: 35664

Ion Ratio Lower Upper

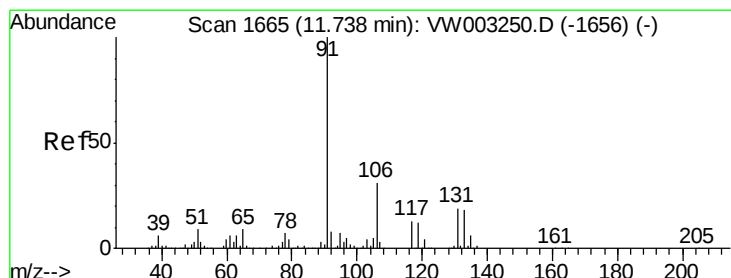
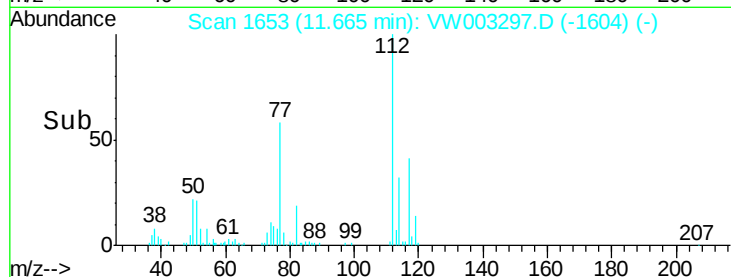
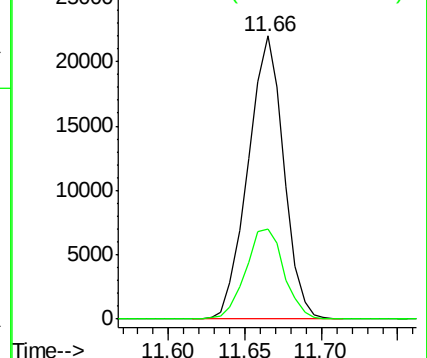
112 100

114 32.0 25.9 38.9



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: 5.042 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

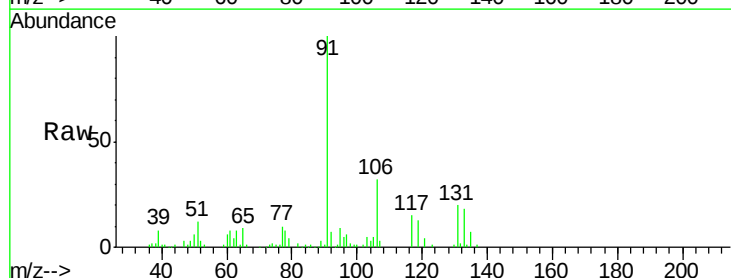
Tgt Ion:131 Resp: 11914

Ion Ratio Lower Upper

131 100

133 100.3 47.3 142.0

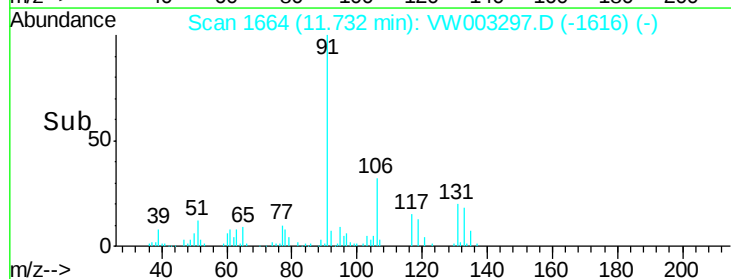
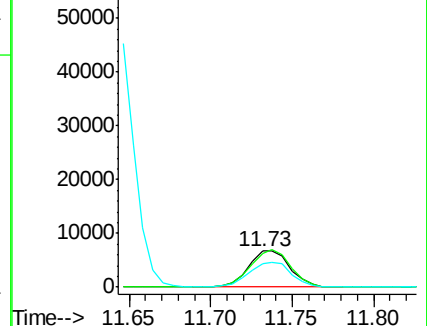
119 71.7 32.5 97.4

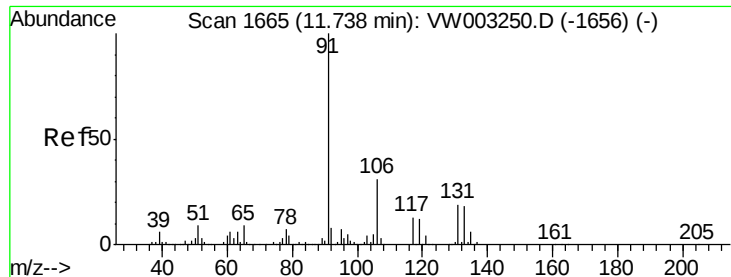


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

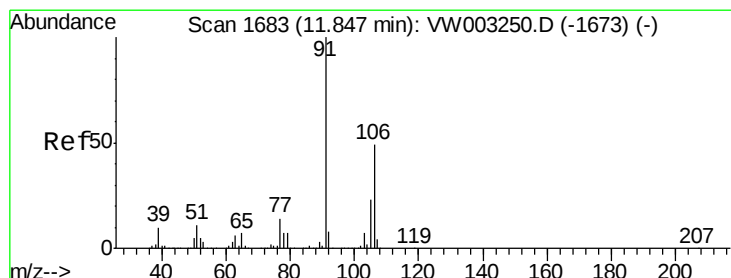
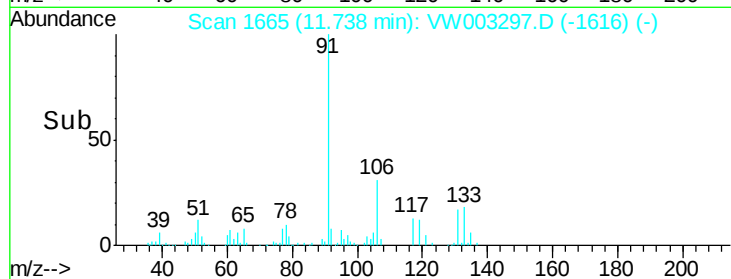
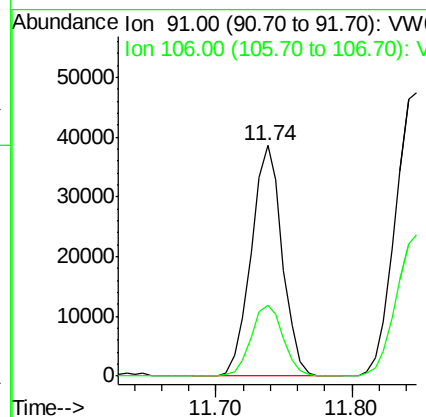
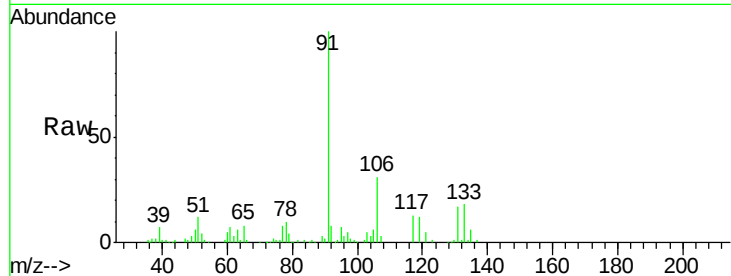




#67
Ethyl Benzene
Concen: 5.179 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

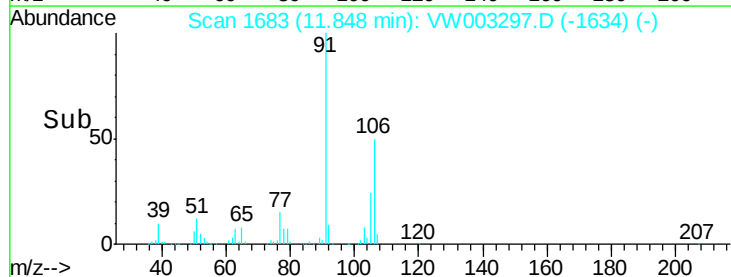
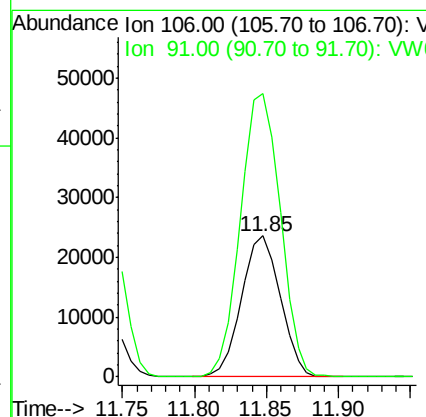
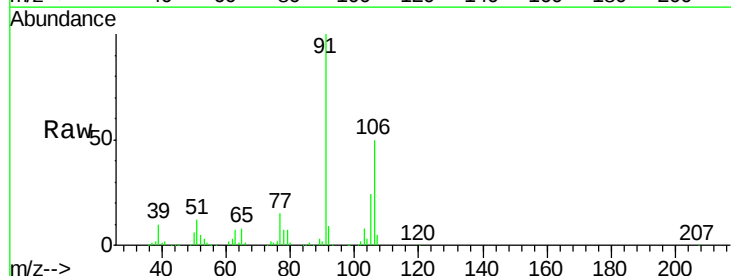
Instrument :
MSVOA_W
ClientSampleId :

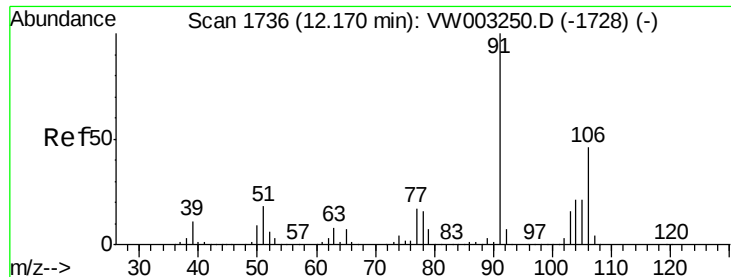
Tot Ion: 91 Resp: 61728
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 9.743 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion: 106 Resp: 44141
Ion Ratio Lower Upper
106 100
91 207.5 165.4 248.0

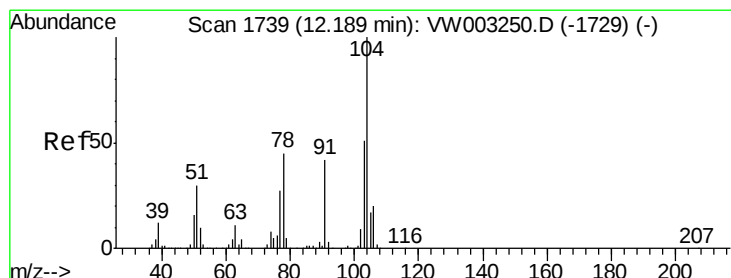
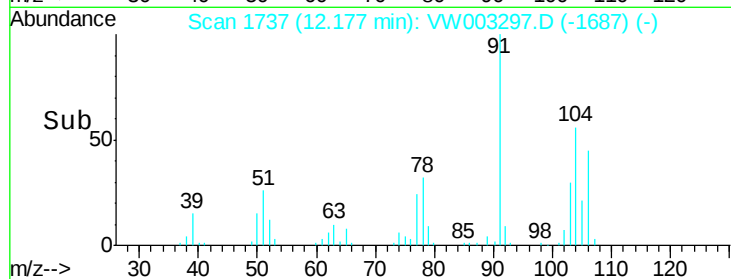
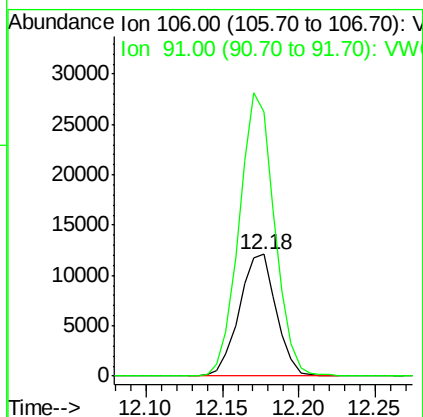
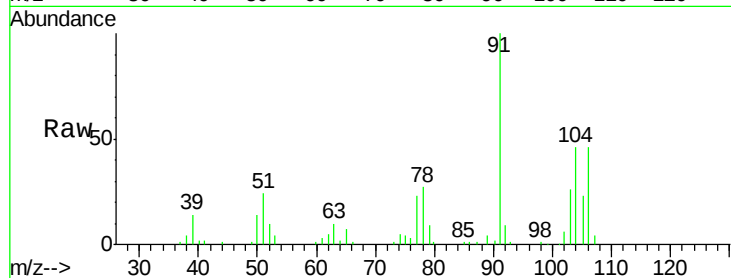




#69
o-Xylene
Concen: 4.803 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

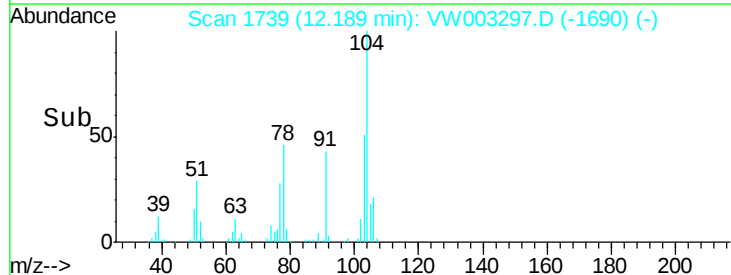
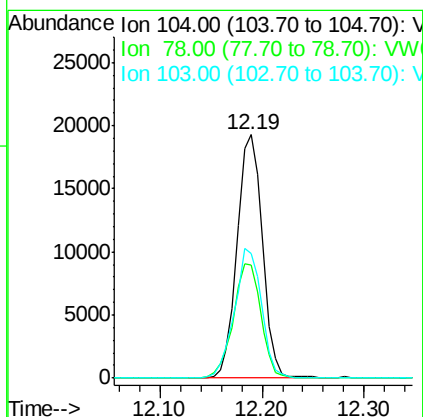
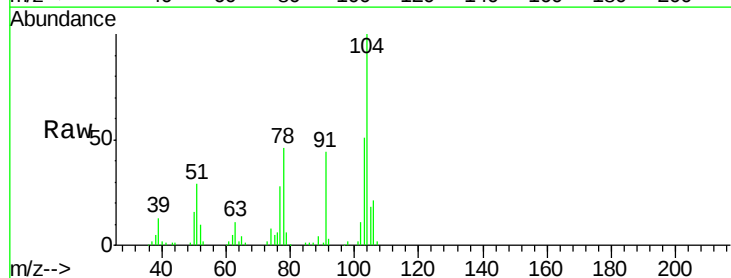
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 20166
Ion Ratio Lower Upper
106 100
91 223.1 108.6 325.6



#70
Styrene
Concen: 4.724 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion:104 Resp: 33015
Ion Ratio Lower Upper
104 100
78 51.4 41.3 61.9
103 56.8 45.0 67.4

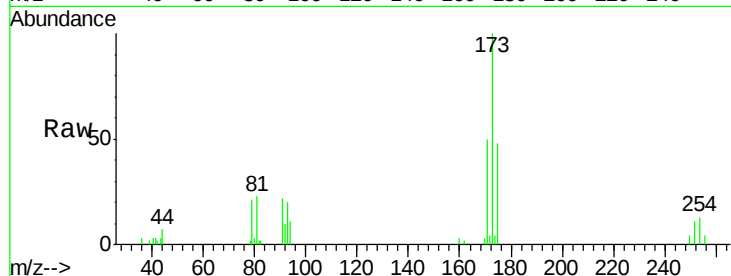




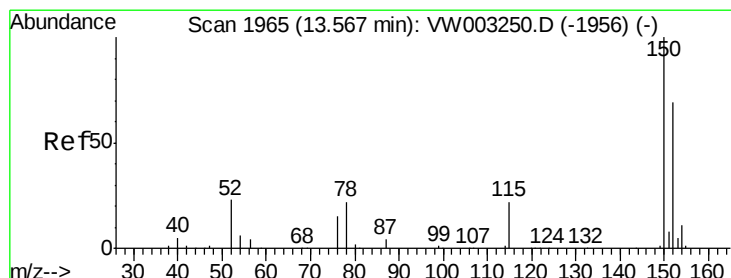
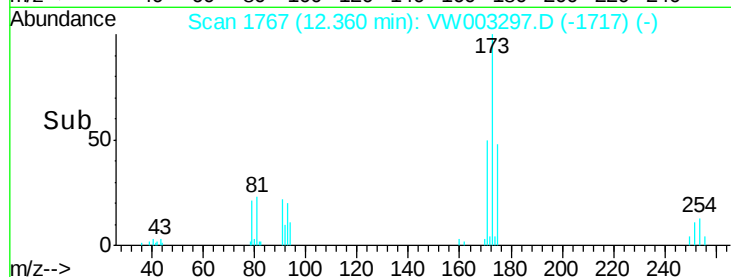
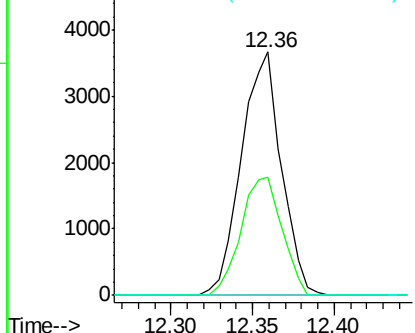
#71
Bromoform
Concen: 5.100 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.01 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 6245
Ion Ratio Lower Upper
173 100
175 49.9 24.4 73.4
254 0.0 0.1 0.1#

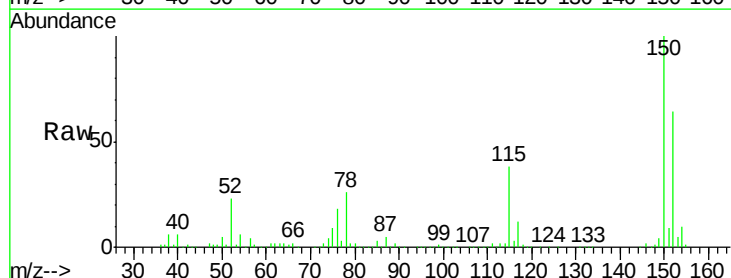


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

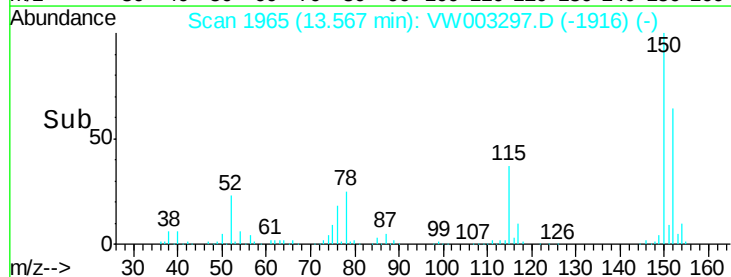
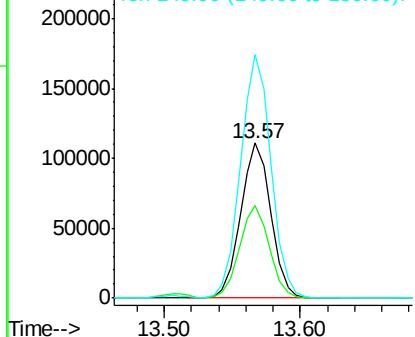


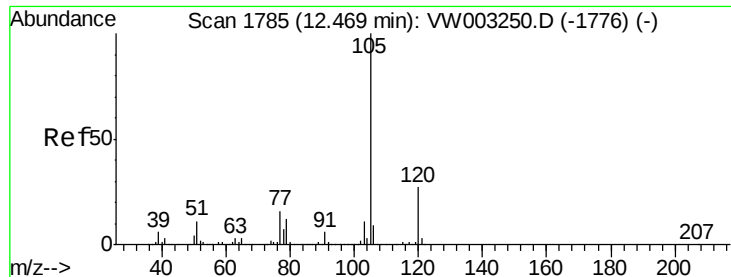
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion:152 Resp: 170796
Ion Ratio Lower Upper
152 100
115 59.1 29.3 88.0
150 159.0 0.0 349.6



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: 4.901 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

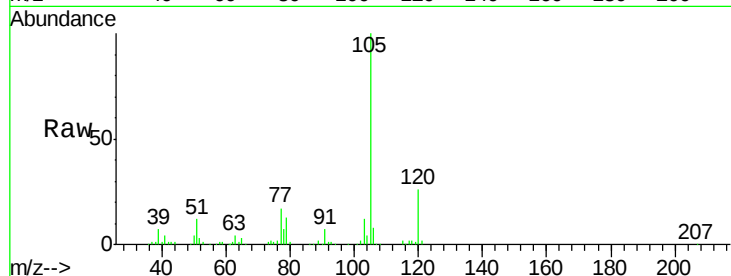
ClientSampleId :

Tot Ion:105 Resp: 58224

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

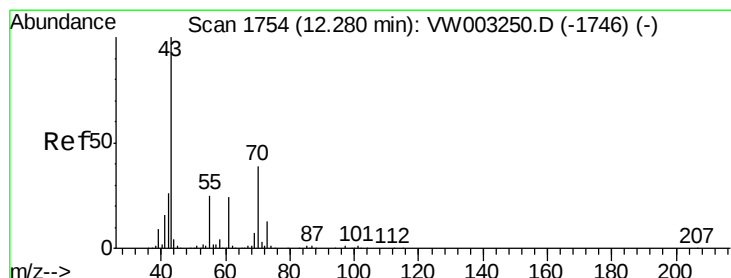
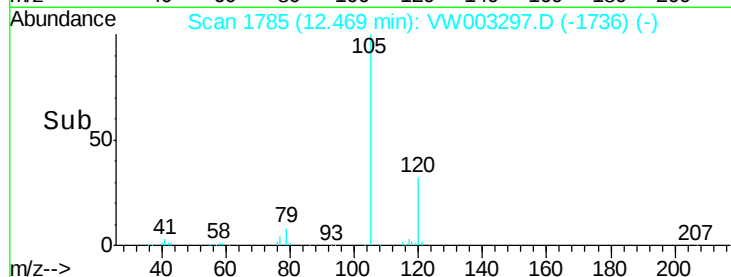
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.944 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Tgt Ion: 43 Resp: 13367

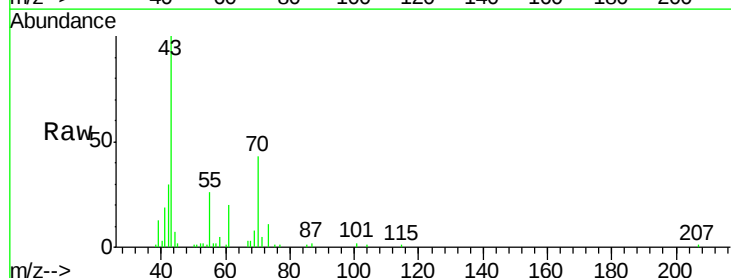
Ion Ratio Lower Upper

43 100

70 37.4 31.0 46.6

55 25.8 19.7 29.5

61 22.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12000

10000

8000

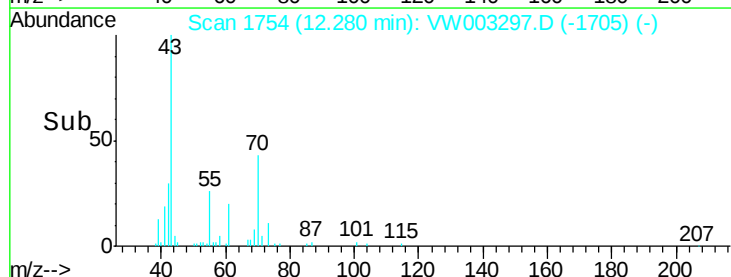
6000

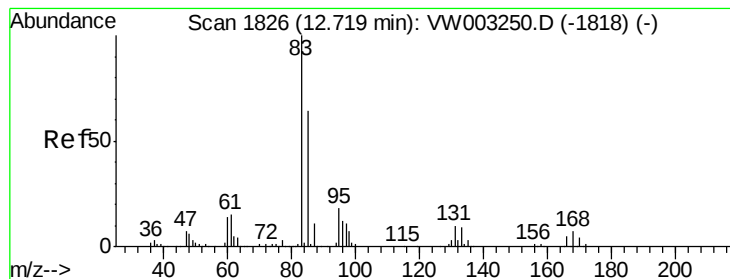
4000

2000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 5.443 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

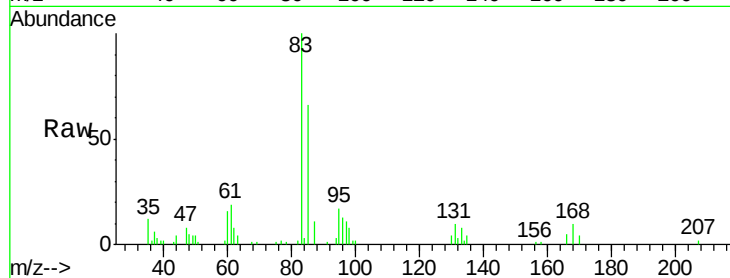
Tot Ion: 83 Resp: 10940

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

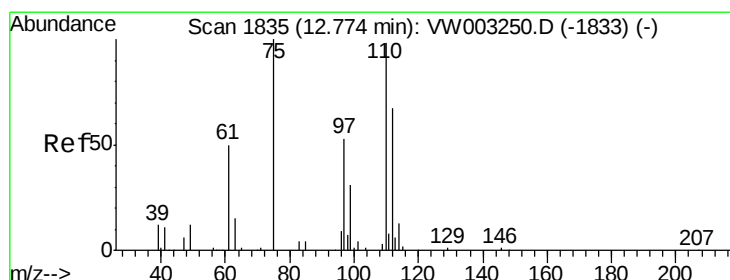
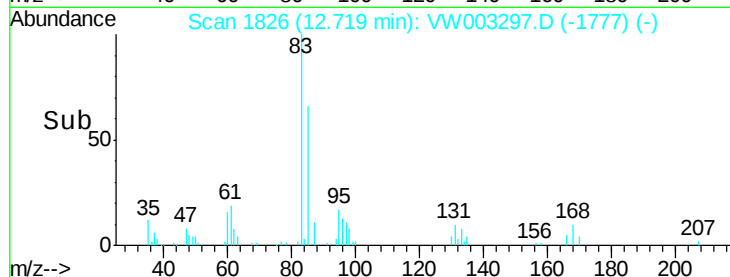
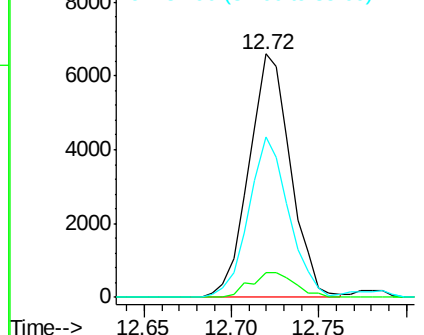
85 63.3 31.9 95.7



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: 9.721 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003297.D

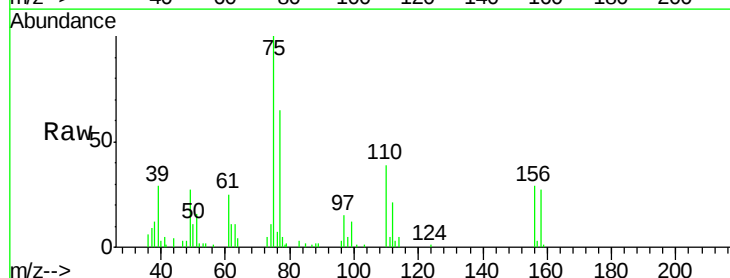
Acq: 15 Jun 2018 17:35

Tgt Ion: 75 Resp: 14193

Ion Ratio Lower Upper

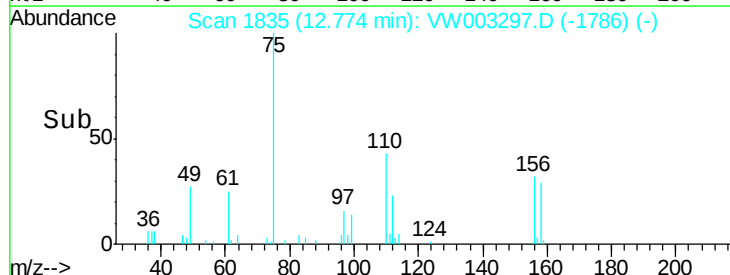
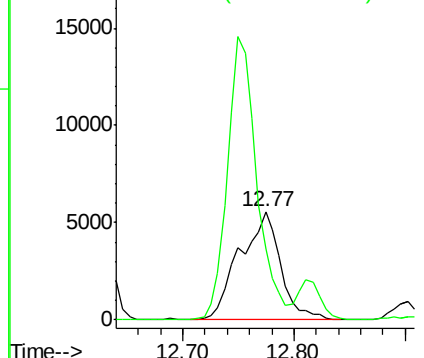
75 100

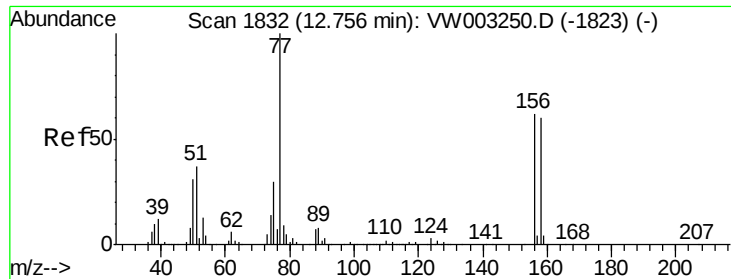
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.366 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

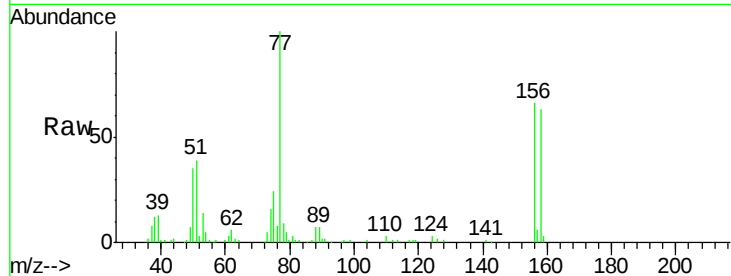
Tot Ion:156 Resp: 14847

Ion Ratio Lower Upper

156 100

77 178.8 92.3 276.9

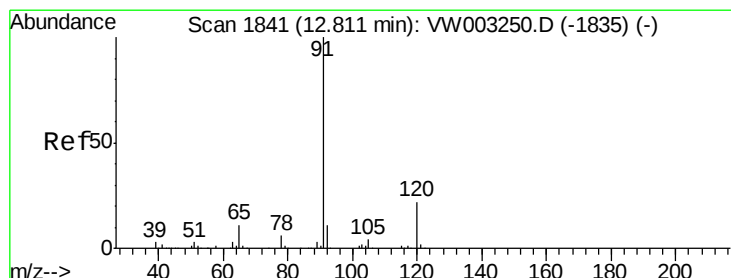
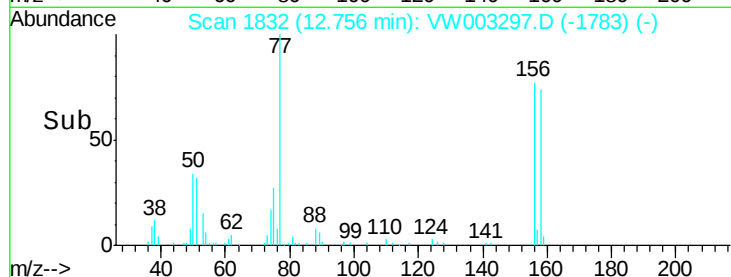
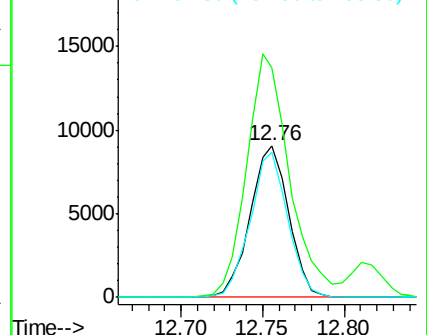
158 94.2 47.5 142.6



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: 4.822 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003297.D

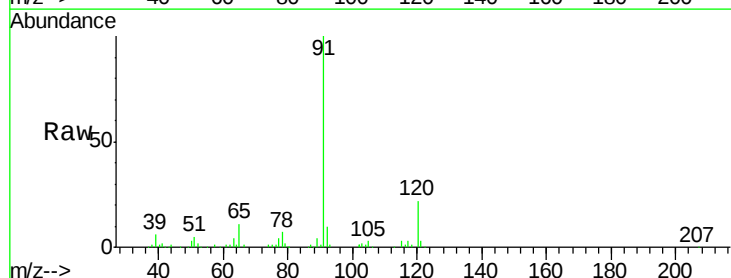
Acq: 15 Jun 2018 17:35

Tgt Ion: 91 Resp: 70148

Ion Ratio Lower Upper

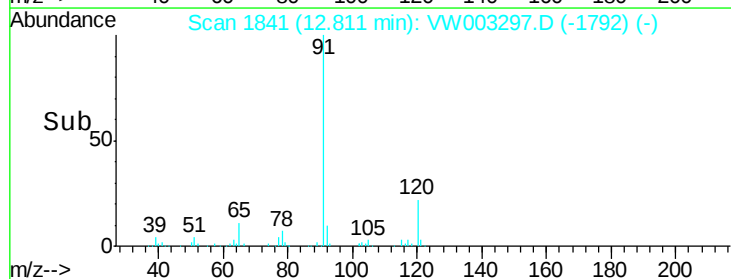
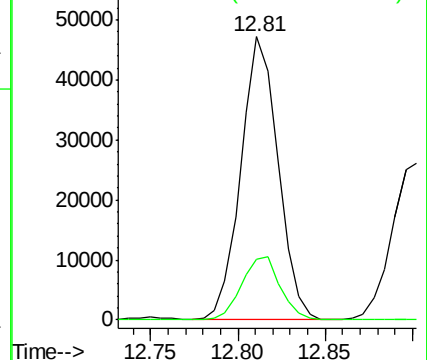
91 100

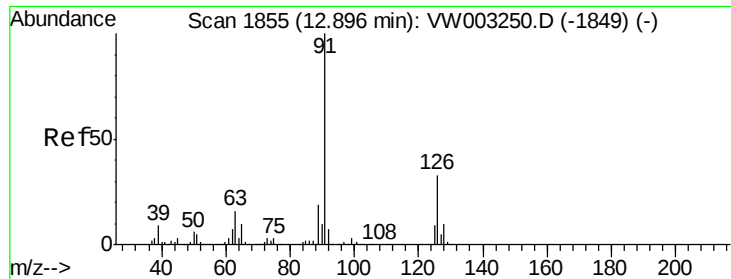
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.086 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

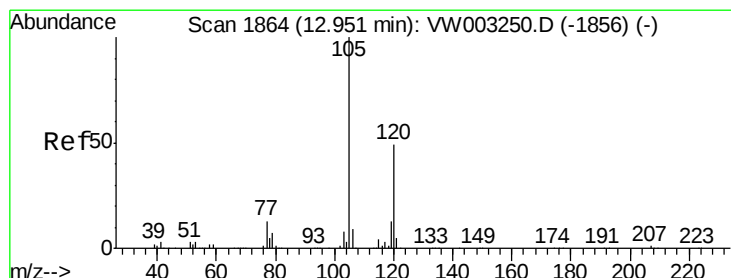
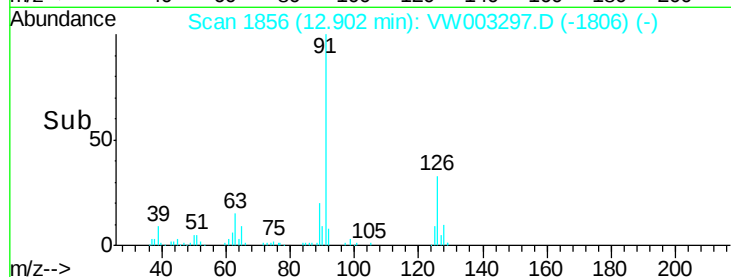
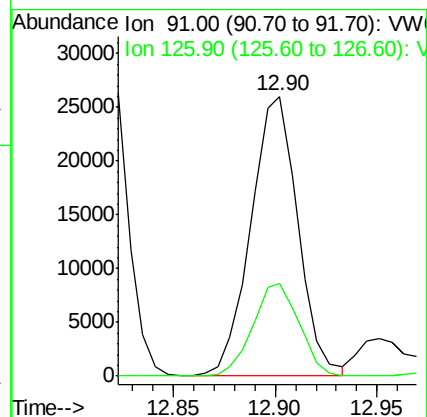
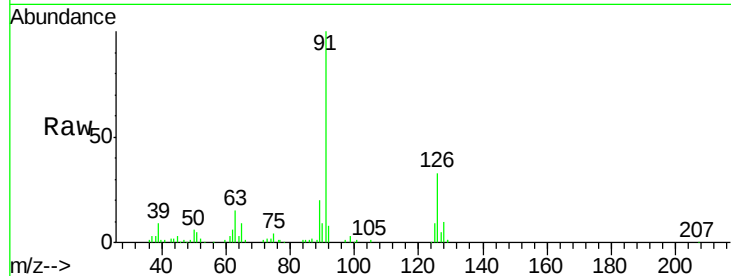
ClientSampled :

Tot Ion: 91 Resp: 41806

Ion Ratio Lower Upper

91 100

126 32.7 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 4.742 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003297.D

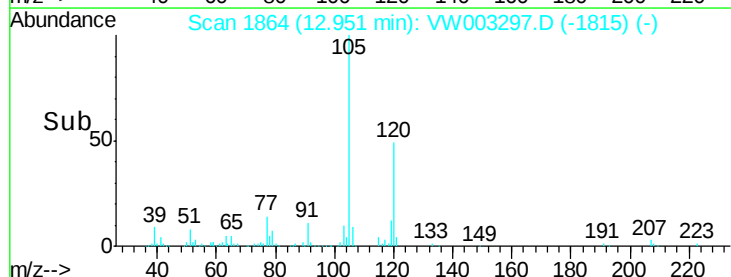
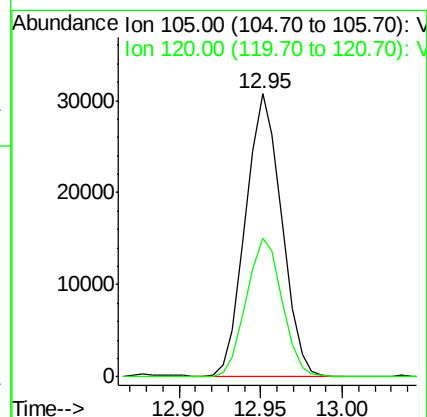
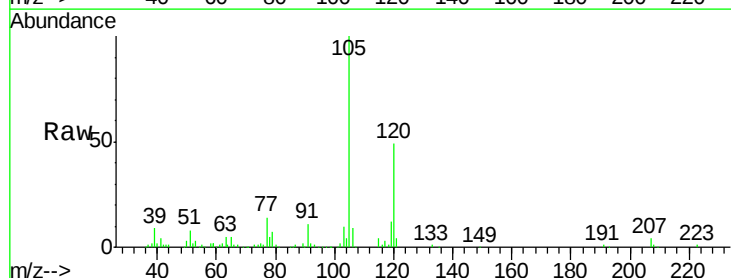
Acq: 15 Jun 2018 17:35

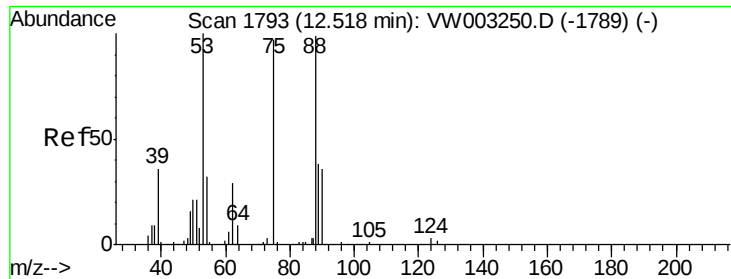
Tgt Ion:105 Resp: 47285

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 4.436 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

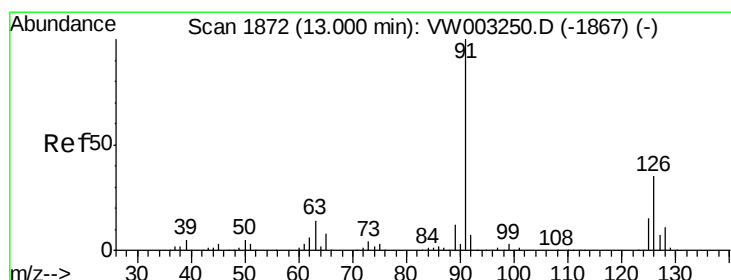
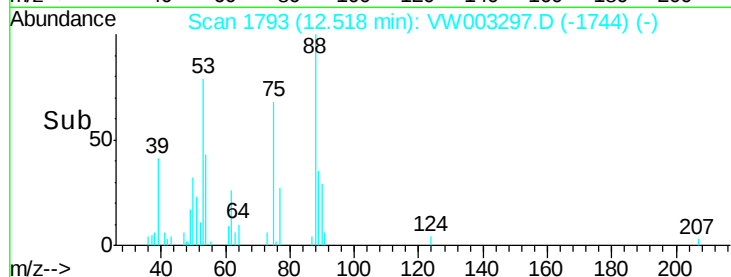
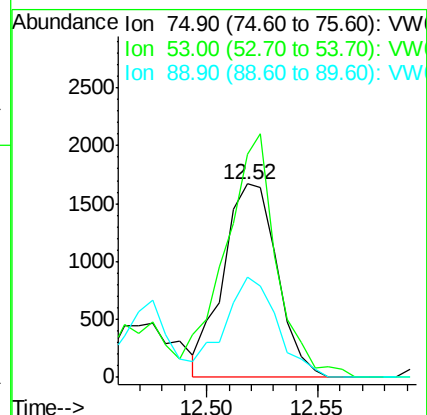
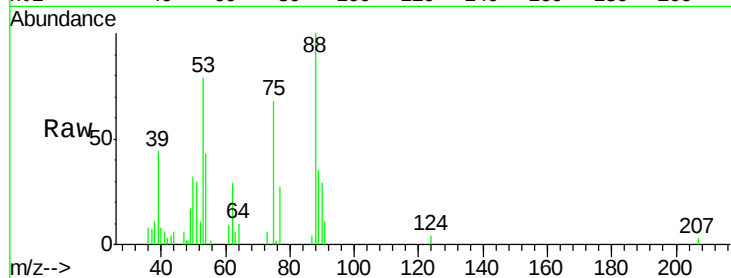
Tot Ion: 75 Resp: 2815

Ion Ratio Lower Upper

75 100

53 120.8 82.9 124.3

89 50.6 36.7 55.1



#82

4-Chlorotoluene

Concen: 5.066 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003297.D

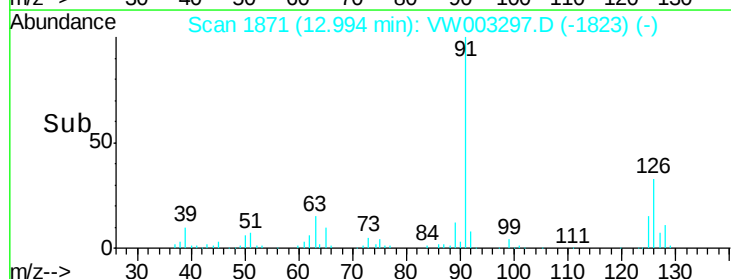
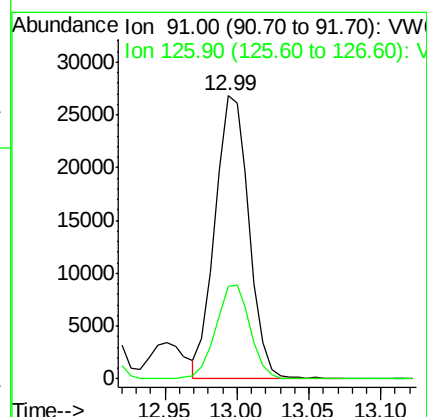
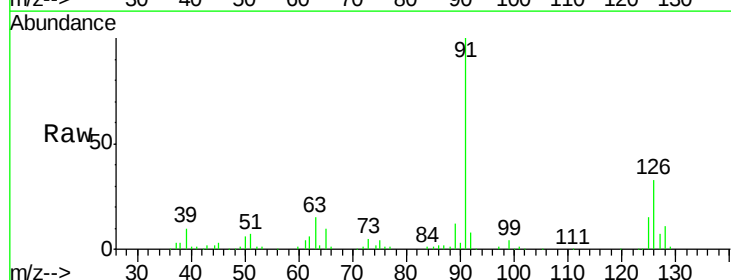
Acq: 15 Jun 2018 17:35

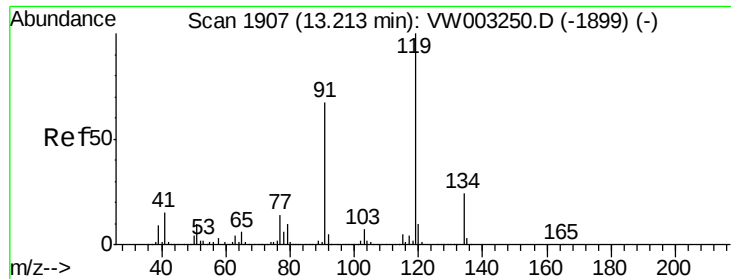
Tgt Ion: 91 Resp: 44179

Ion Ratio Lower Upper

91 100

126 33.4 16.8 50.3

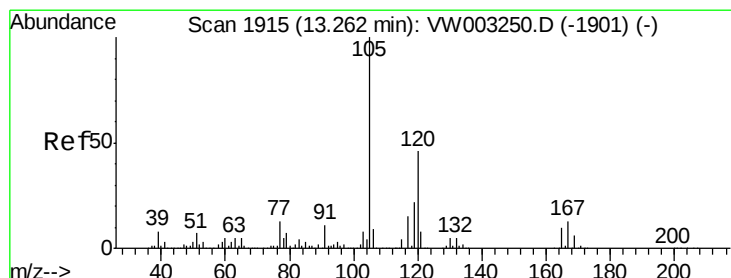
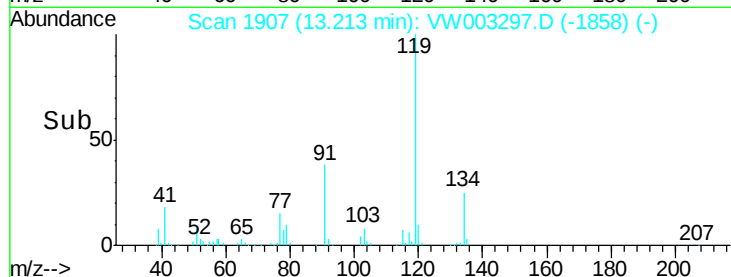
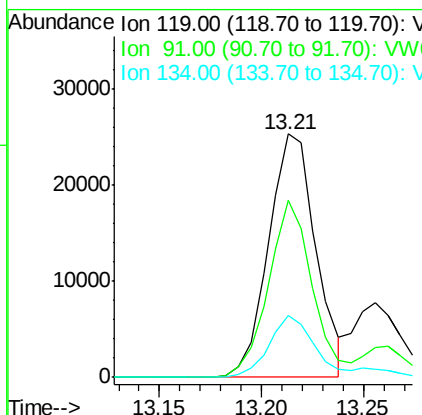
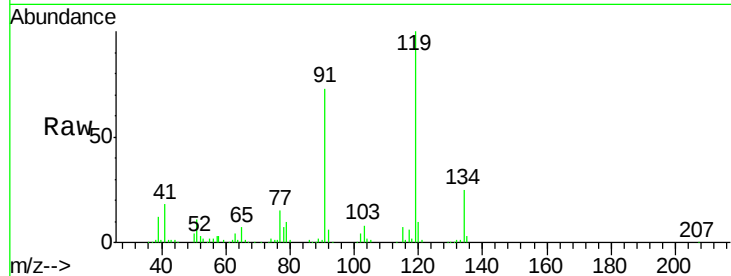




#83
tert-Butylbenzene
Concen: 4.822 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

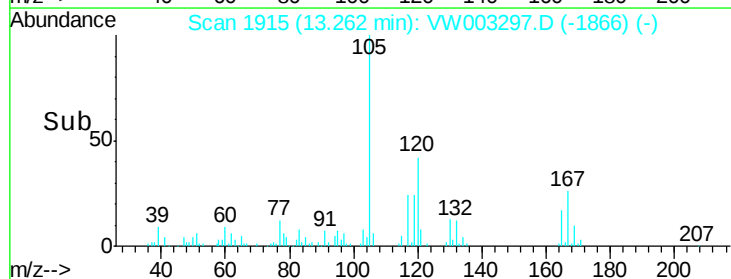
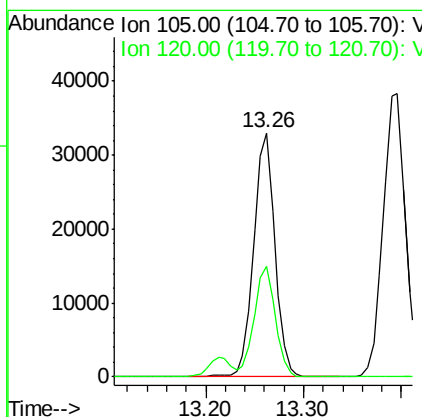
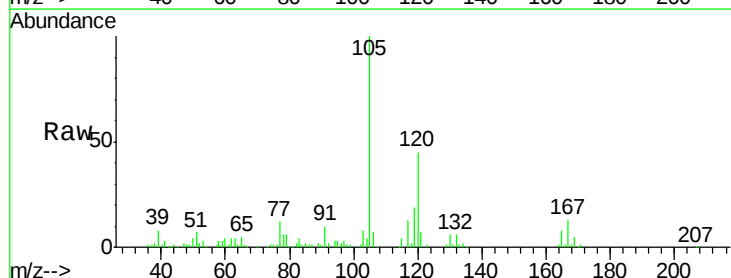
Instrument :
MSVOA_W
ClientSampleId :

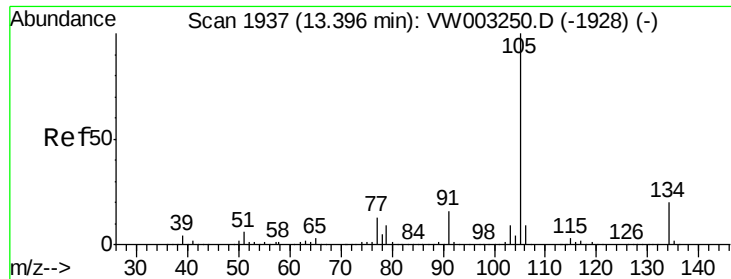
Tot Ion:119 Resp: 40976
Ion Ratio Lower Upper
119 100
91 67.8 33.9 101.7
134 24.3 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 4.863 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003297.D
Acq: 15 Jun 2018 17:35

Tgt Ion:105 Resp: 49885
Ion Ratio Lower Upper
105 100
120 44.8 22.5 67.5

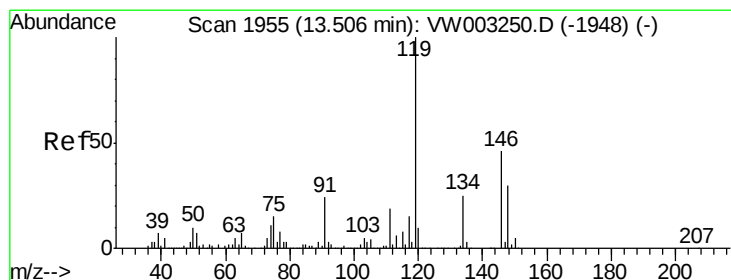
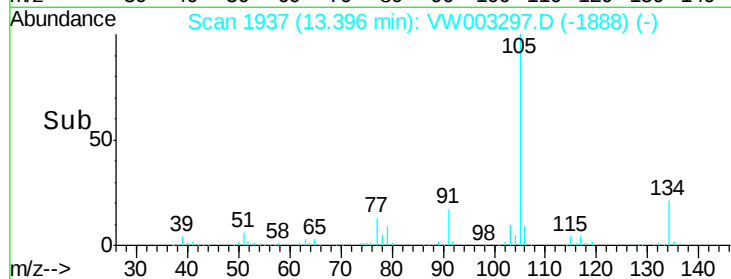
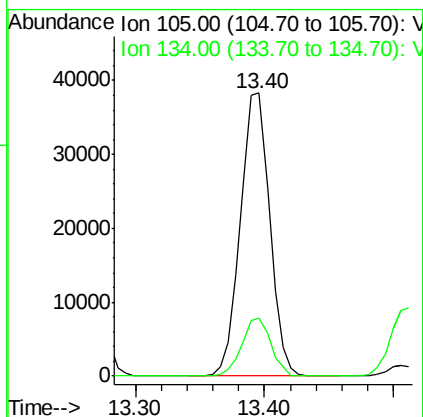
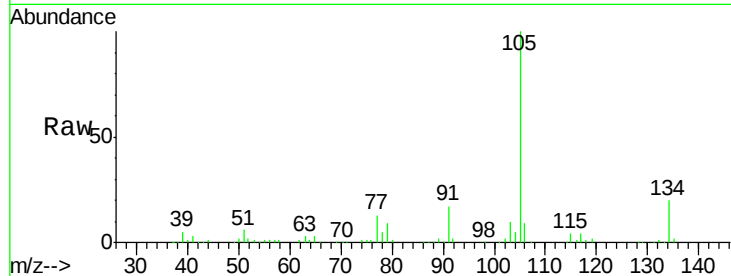




#85
 sec-Butylbenzene
 Concen: 4.777 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

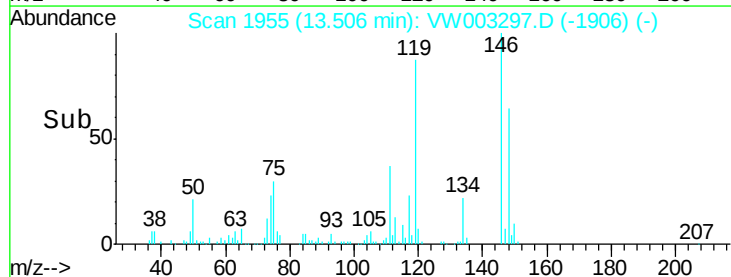
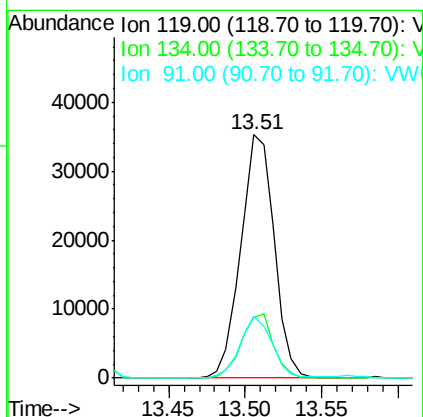
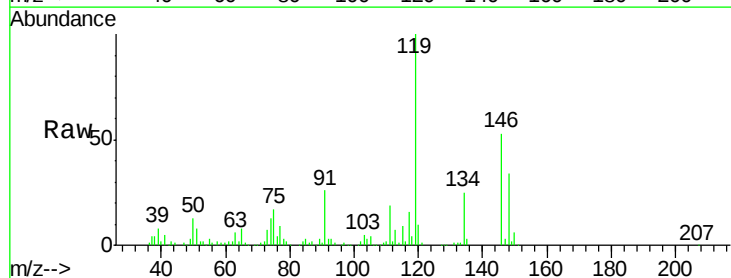
Instrument :
 MSVOA_W
 ClientSampled :

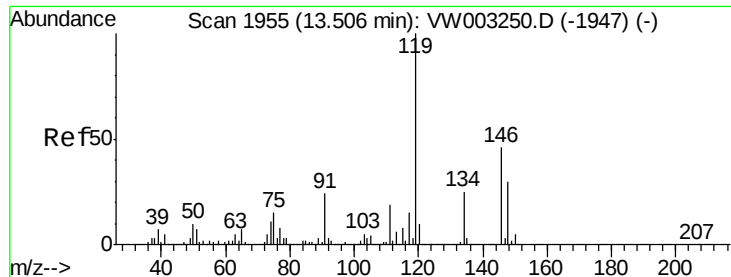
Tot Ion:105 Resp: 60340
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 4.807 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion:119 Resp: 53553
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 24.9 11.8 35.3

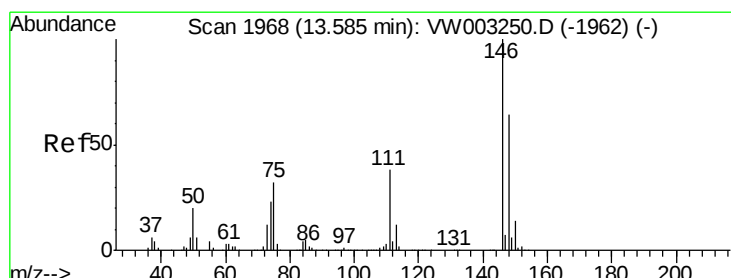
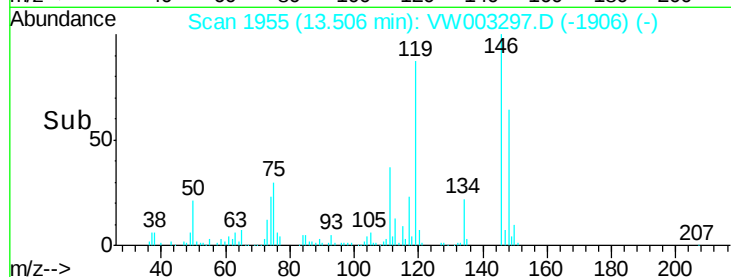
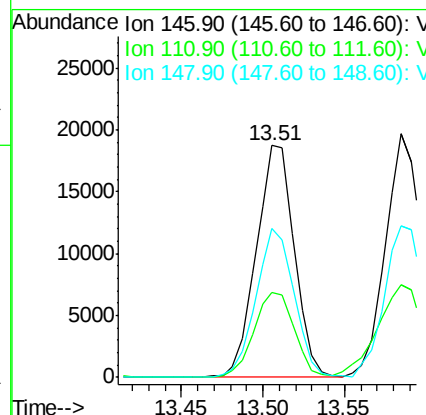
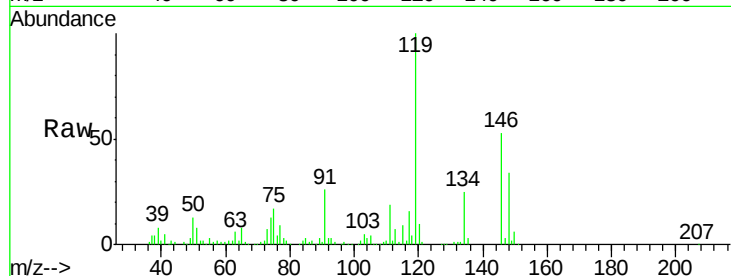




#87
 1,3-Dichlorobenzene
 Concen: 5.350 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

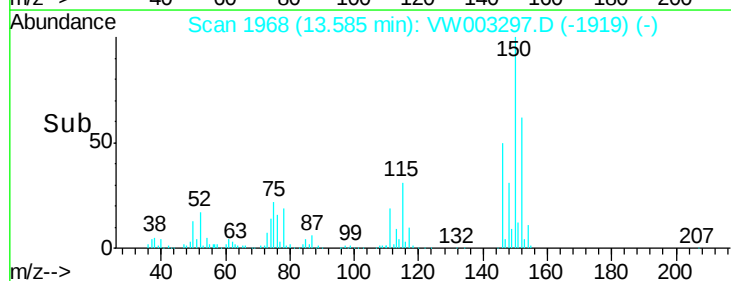
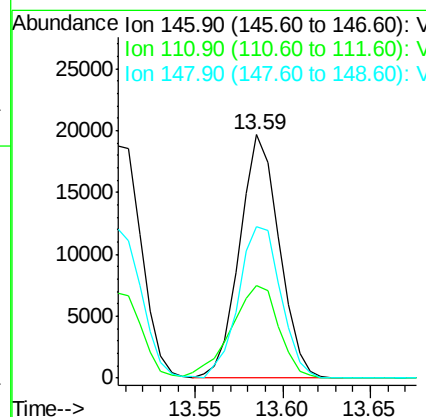
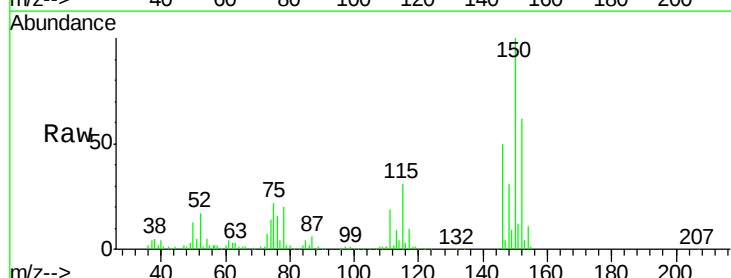
Instrument :
 MSVOA_W
 ClientSampleId :

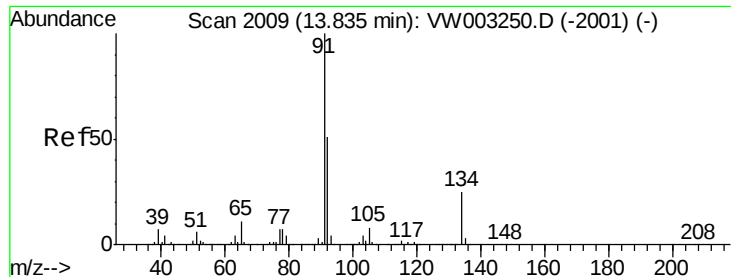
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.488 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	19.2	57.6
148	66.8	31.8	95.4





#89

n-Butylbenzene

Concen: 4.828 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampled :

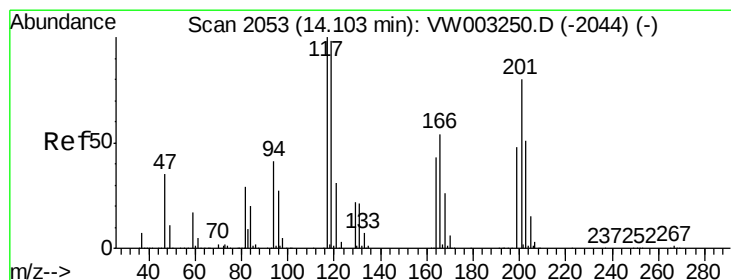
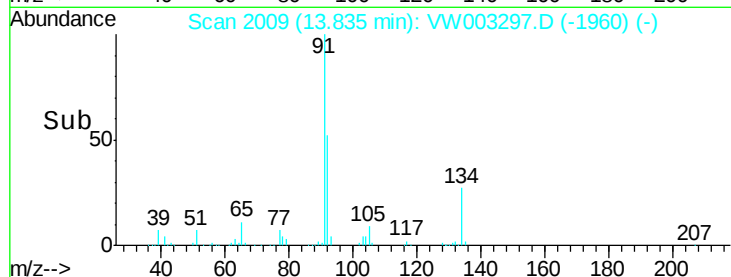
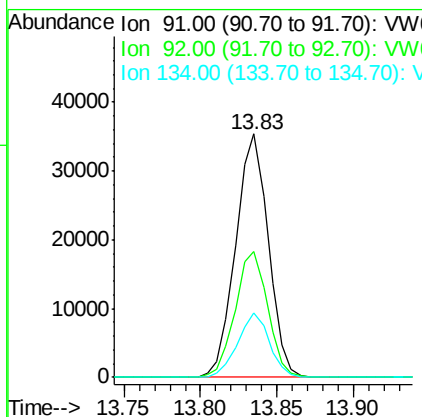
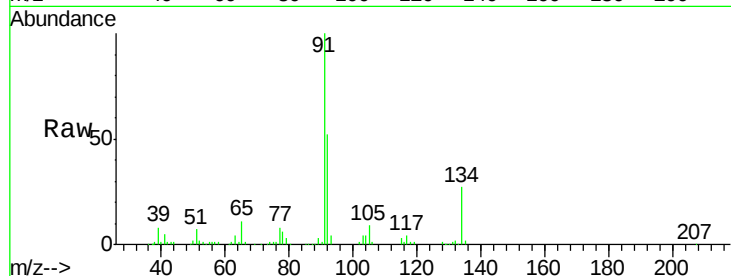
Tot Ion: 91 Resp: 52428

Ion Ratio Lower Upper

91 100

92 51.6 26.0 78.0

134 25.8 12.7 38.0



#90

Hexachloroethane

Concen: 5.047 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003297.D

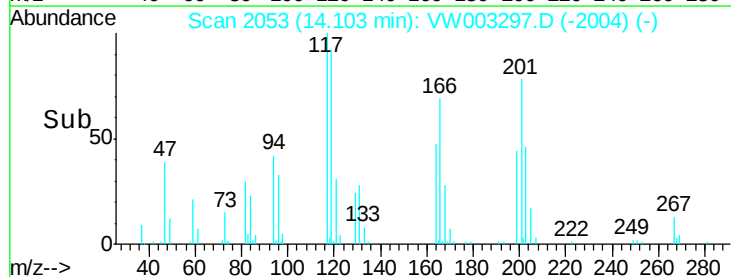
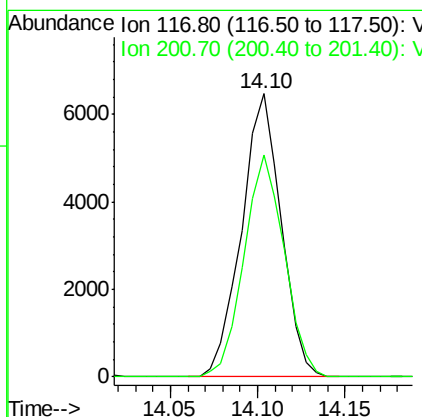
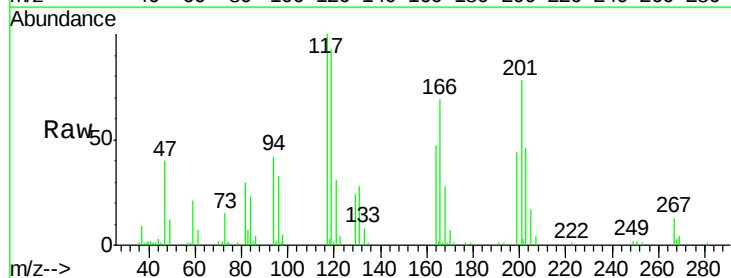
Acq: 15 Jun 2018 17:35

Tgt Ion: 117 Resp: 10171

Ion Ratio Lower Upper

117 100

201 79.6 39.5 118.5

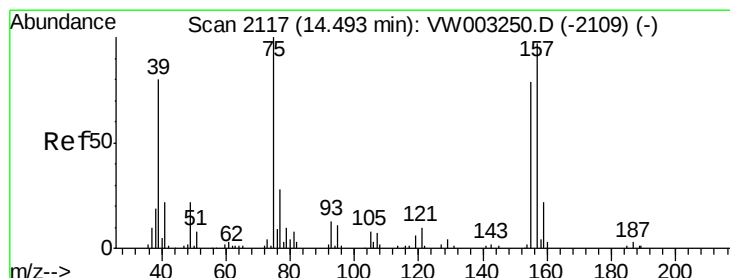
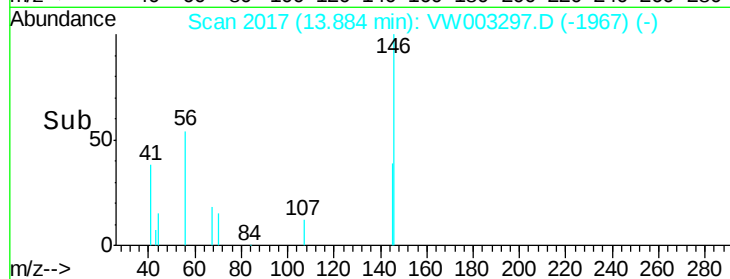
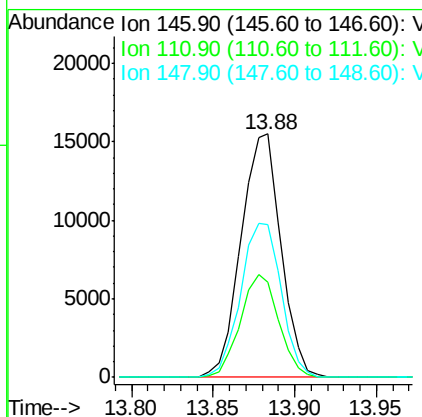
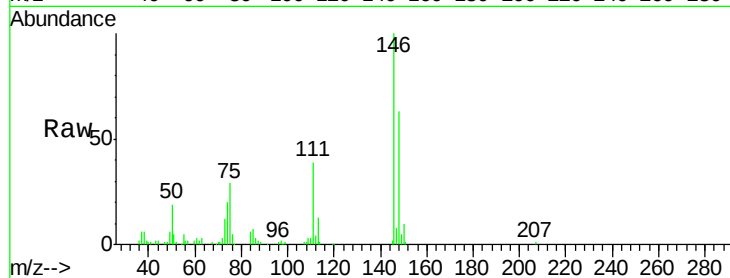




#91
 1,2-Dichlorobenzene
 Concen: 5.308 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

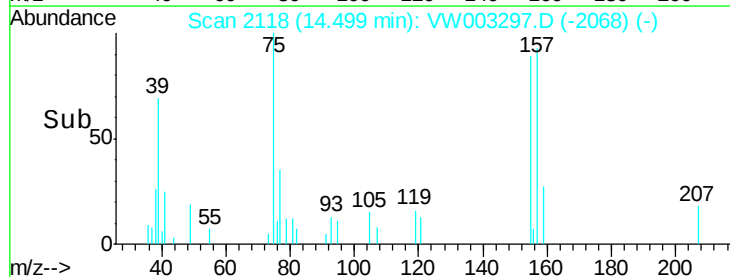
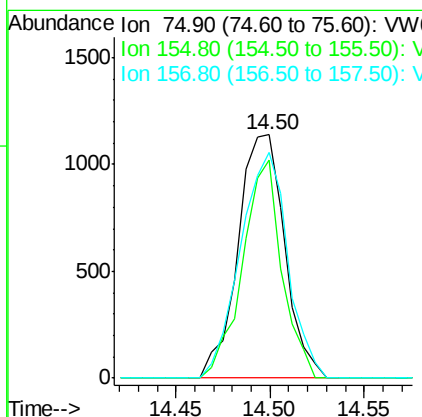
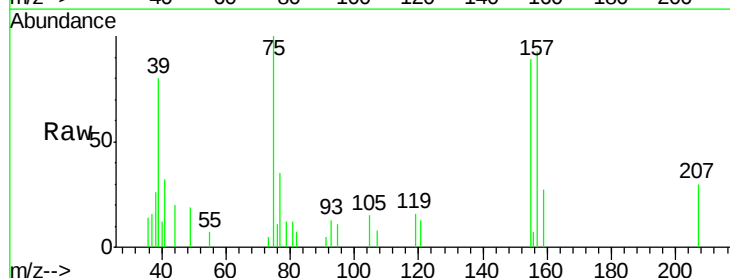
Instrument :
 MSVOA_W
 ClientSampleId :

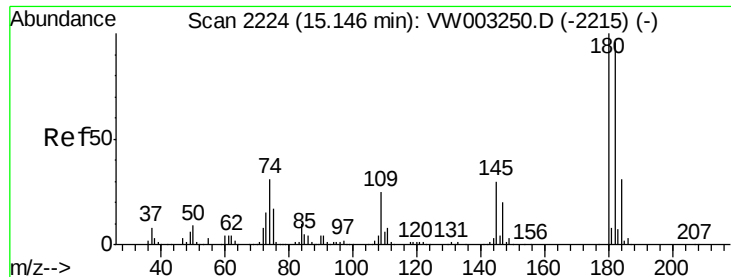
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	64.3	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.771 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	39.4	118.2
157	94.3	51.5	154.5

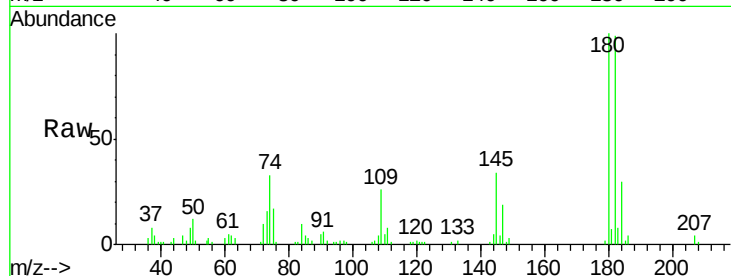




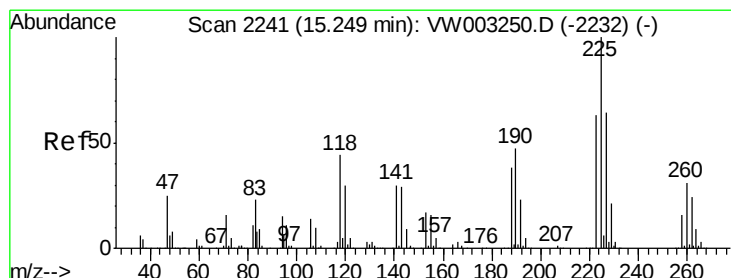
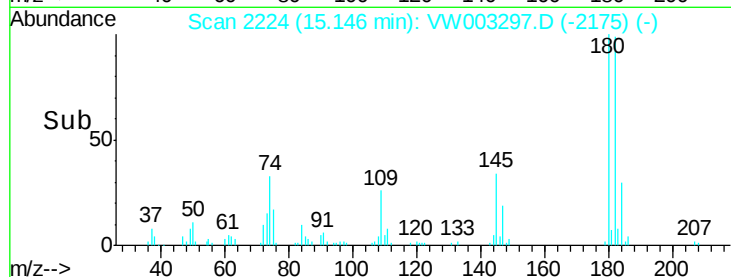
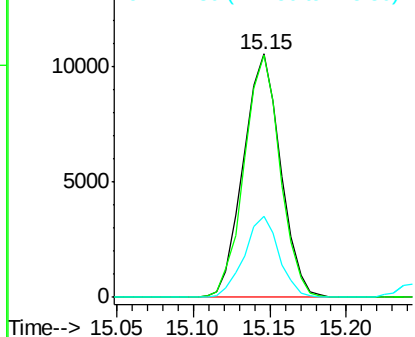
#93
 1,2,4-Trichlorobenzene
 Concen: 5.107 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.6
145	31.0	15.2	45.5

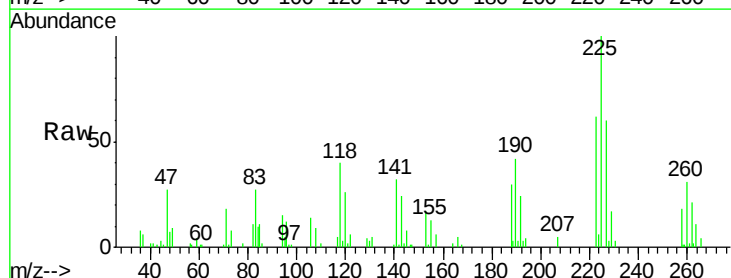


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

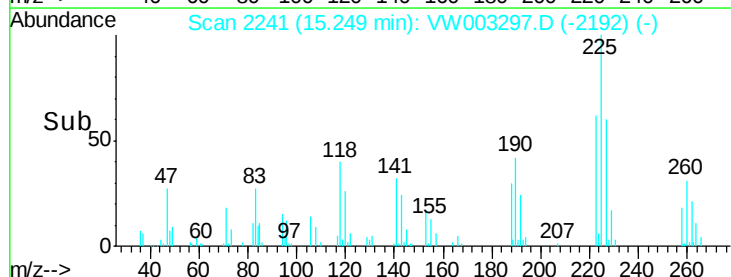
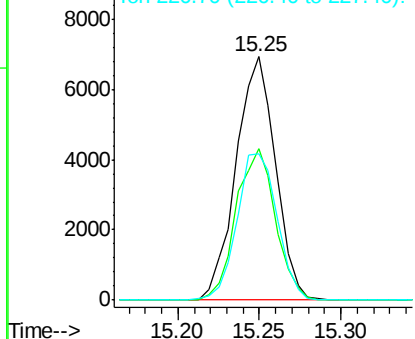


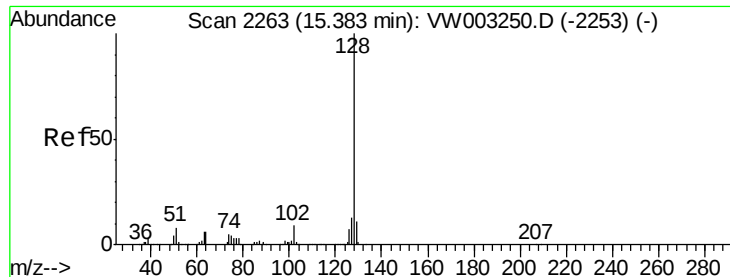
#94
 Hexachlorobutadiene
 Concen: 5.558 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003297.D
 Acq: 15 Jun 2018 17:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.6	92.0
227	61.3	31.7	95.1



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





#95

Naphthalene

Concen: 4.603 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

Instrument :

MSVOA_W

ClientSampleId :

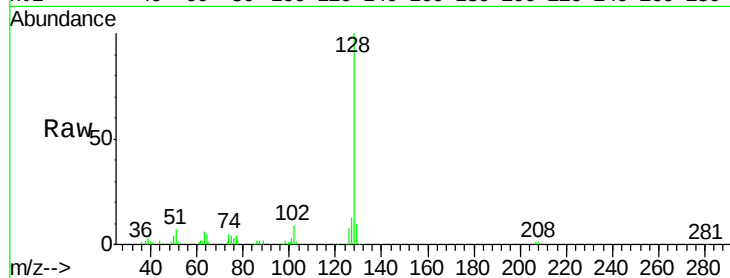
Tot Ion:128 Resp: 27289

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

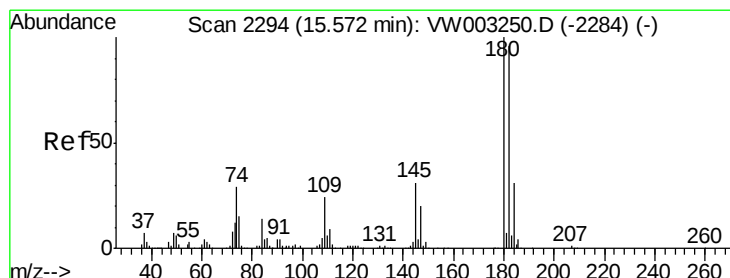
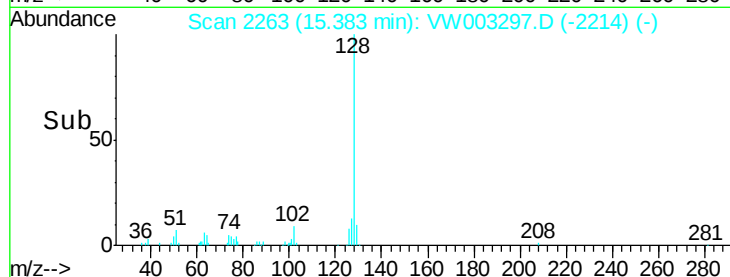
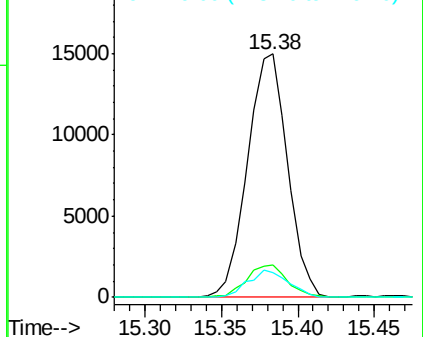
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.143 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003297.D

Acq: 15 Jun 2018 17:35

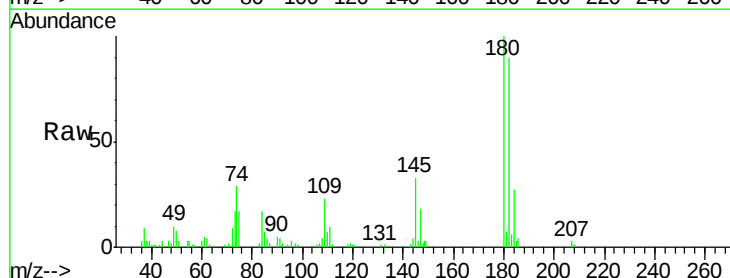
Tgt Ion:180 Resp: 15821

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.6

145 32.0 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

