

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006172.D
 Acq On : 18 Oct 2018 13:44
 Operator : VA/AP
 Sample : VW1018SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Quant Time: Oct 19 06:00:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	199132	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	109437	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	115228	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.33	98	446858	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	165560	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23856	17.022	ug/l	95
3) Chloromethane	2.21	50	30300	16.795	ug/l	98
4) Vinyl Chloride	2.37	62	49478	19.204	ug/l	99
5) Bromomethane	2.79	94	44685	19.069	ug/l	97
6) Chloroethane	2.93	64	36126	19.566	ug/l	93
7) Trichlorofluoromethane	3.26	101	45660	19.024	ug/l	98
8) Diethyl Ether	3.68	74	23426	18.365	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53604	21.312	ug/l	98
10) Methyl Iodide	4.26	142	86442	20.648	ug/l	99
11) Tert butyl alcohol	5.24	59	12055	76.339	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	48464	20.480	ug/l	92
13) Acrolein	3.90	56	14716	96.307	ug/l	98
14) Allyl chloride	4.67	41	65336	19.310	ug/l	99
15) Acrylonitrile	5.38	53	41600	90.927	ug/l	100
16) Acetone	4.15	43	49758	104.331	ug/l	97
17) Carbon Disulfide	4.37	76	130124	18.220	ug/l	99
18) Methyl Acetate	4.68	43	20434	17.293	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	70301	19.505	ug/l	95
20) Methylene Chloride	4.91	84	57256	22.139	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54789	20.743	ug/l	98
22) Diisopropyl ether	6.32	45	134075	20.052	ug/l	99
23) Vinyl Acetate	6.26	43	363585	92.141	ug/l	99
24) 1,1-Dichloroethane	6.22	63	89097	20.651	ug/l	99
25) 2-Butanone	7.18	43	61585	97.089	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62224	20.449	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60094	20.617	ug/l	99
28) Bromochloromethane	7.51	49	28279	16.978	ug/l	96
29) Tetrahydrofuran	7.54	42	33826	86.756	ug/l	100
30) Chloroform	7.68	83	97591	20.761	ug/l	98
31) Cyclohexane	7.96	56	86985	20.245	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	86833	20.478	ug/l	99
36) 1,1-Dichloropropene	8.09	75	79334	21.567	ug/l	99
37) Ethyl Acetate	7.26	43	23837	17.441	ug/l	98
38) Carbon Tetrachloride	8.07	117	82097	20.358	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103994	21.267	ug/l	97
40) Benzene	8.32	78	211701	20.980	ug/l	99
41) Methacrylonitrile	7.49	41	13882	16.849	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	61484	20.739	ug/l	99
43) Isopropyl Acetate	8.43	43	49720	17.792	ug/l	99
44) Trichloroethene	9.09	130	66388	21.445	ug/l	98
45) 1,2-Dichloropropane	9.37	63	49520	20.509	ug/l	98
46) Dibromomethane	9.46	93	27425	19.928	ug/l	99
47) Bromodichloromethane	9.65	83	65567	19.651	ug/l	99
48) Methyl methacrylate	9.44	41	23702	17.893	ug/l	95
49) 1,4-Dioxane	9.49	88	7325	345.742	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	125482	89.621	ug/l	100
52) Toluene	10.39	92	142849	21.116	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	61520	18.506	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74151	19.435	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	39373	20.444	ug/l	99
56) Ethyl methacrylate	10.65	69	43674	18.498	ug/l	97
57) 1,3-Dichloropropane	10.94	76	64168	20.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	85200	94.442	ug/l	99
59) 2-Hexanone	10.98	43	97106	97.158	ug/l	99
60) Dibromochloromethane	11.13	129	45230	18.855	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38012	19.754	ug/l	99
64) Tetrachloroethene	10.87	164	60185	21.619	ug/l	98
65) Chlorobenzene	11.66	112	165001	21.494	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	56367	20.661	ug/l	100
67) Ethyl Benzene	11.74	91	290496	21.836	ug/l	99
68) m/p-Xylenes	11.84	106	228783	43.508	ug/l	100
69) o-Xylene	12.17	106	109056	21.762	ug/l	97
70) Styrene	12.18	104	172572	21.177	ug/l	99
71) Bromoform	12.35	173	25776	16.939	ug/l #	98
73) Isopropylbenzene	12.47	105	309221	21.980	ug/l	100
74) N-amyl acetate	12.28	43	49194	18.004	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	42007	19.632	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	53783	35.361	ug/l #	100
77) Bromobenzene	12.75	156	73942	21.459	ug/l	97
78) n-propylbenzene	12.81	91	359950	21.992	ug/l	100
79) 2-Chlorotoluene	12.90	91	200122	21.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	258624	21.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10136	15.930	ug/l	90
82) 4-Chlorotoluene	12.99	91	210805	21.883	ug/l	100
83) tert-Butylbenzene	13.21	119	233766	22.031	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	263429	21.951	ug/l	100
85) sec-Butylbenzene	13.39	105	331744	22.130	ug/l	100
86) p-Isopropyltoluene	13.51	119	300421	22.157	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	149034	21.733	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147654	21.625	ug/l	99
89) n-Butylbenzene	13.83	91	278846	22.488	ug/l	99
90) Hexachloroethane	14.10	117	44698	19.462	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	131561	21.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6579	17.173	ug/l	98

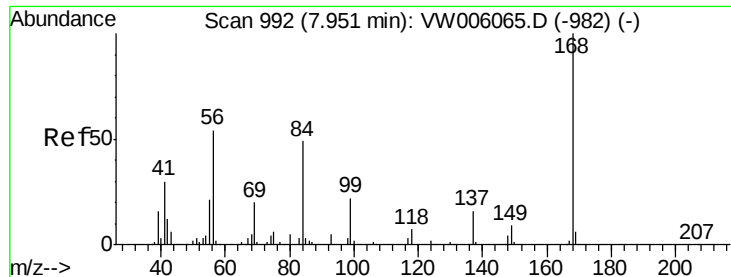
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	101940	21.659	ug/l	99
94) Hexachlorobutadiene	15.24	225	65750	22.238	ug/l	99
95) Naphthalene	15.38	128	154034	19.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	86120	21.155	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

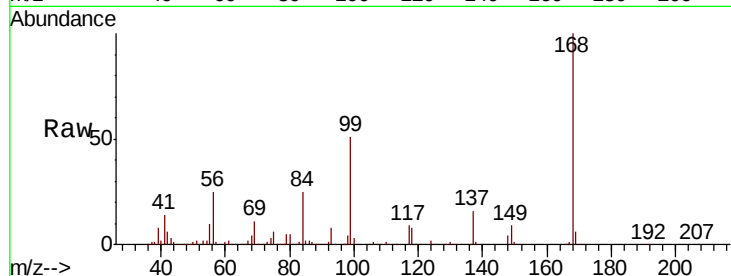
VW1018SBS01

Tot Ion:168 Resp: 283216

Ion Ratio Lower Upper

168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

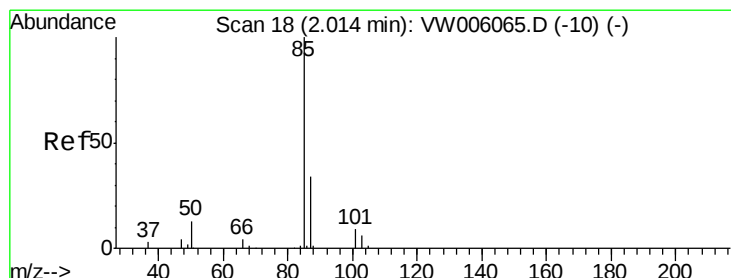
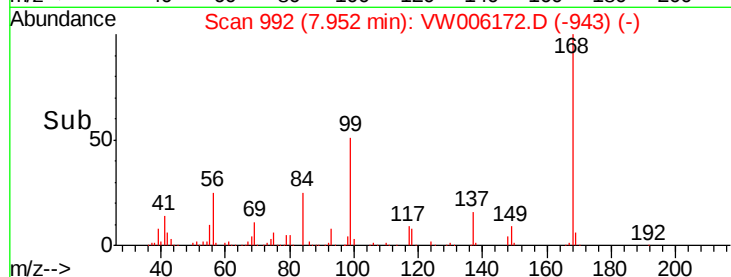
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.022 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006172.D

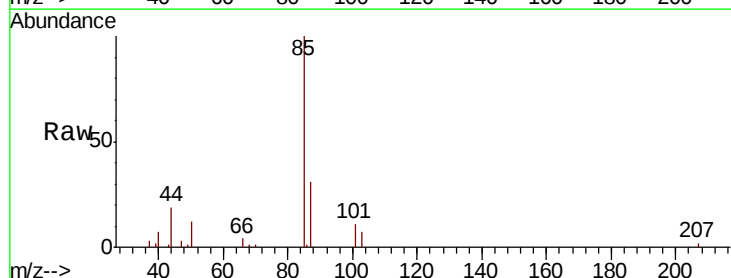
Acq: 18 Oct 2018 13:44

Tgt Ion: 85 Resp: 23856

Ion Ratio Lower Upper

85 100

87 30.8 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

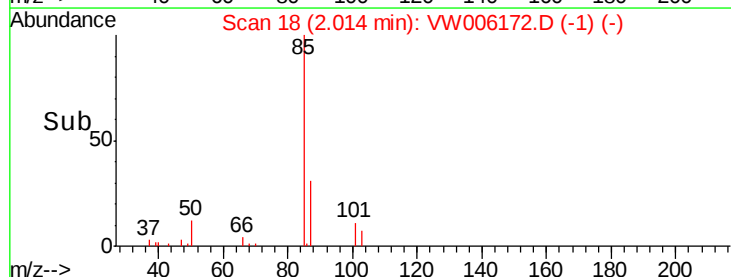
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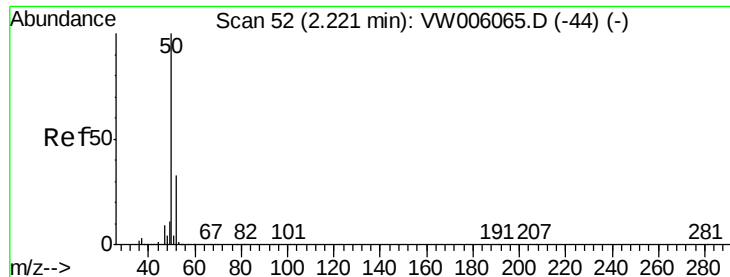
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 16.795 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

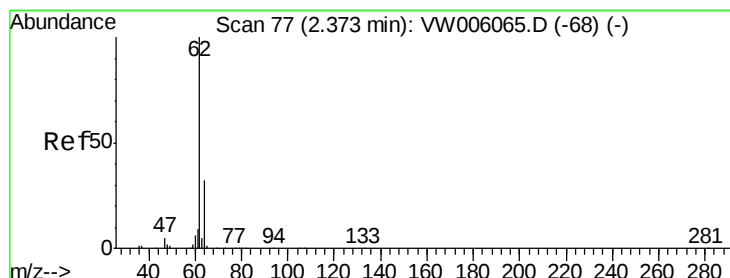
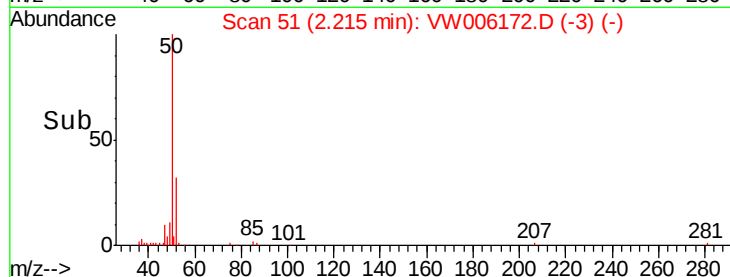
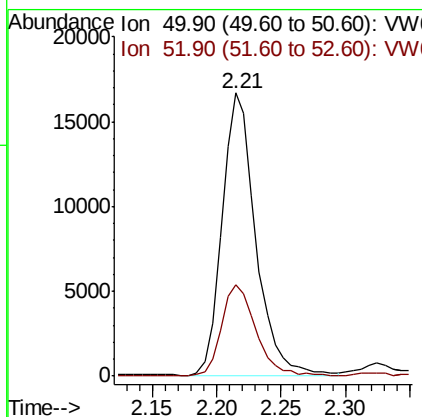
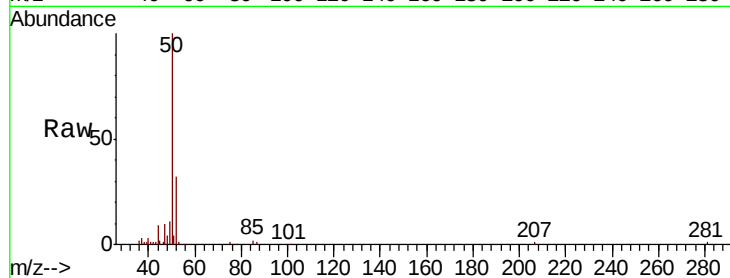
VW1018SBS01

Tot Ion: 50 Resp: 30300

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2



#4

Vinyl Chloride

Concen: 19.204 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006172.D

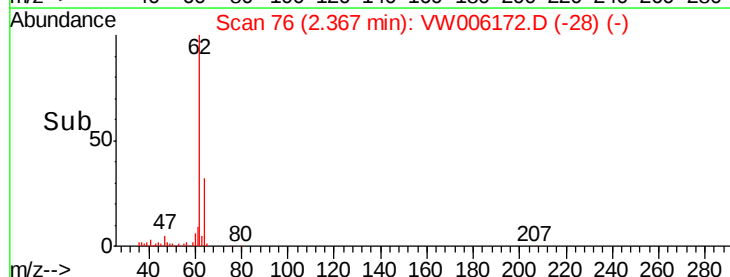
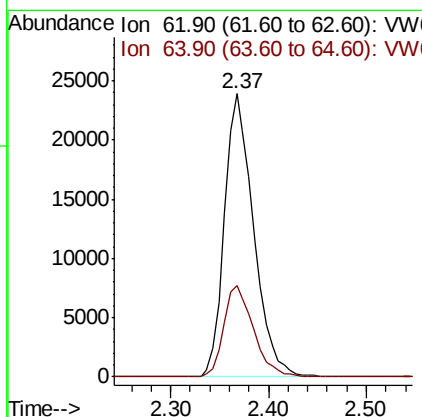
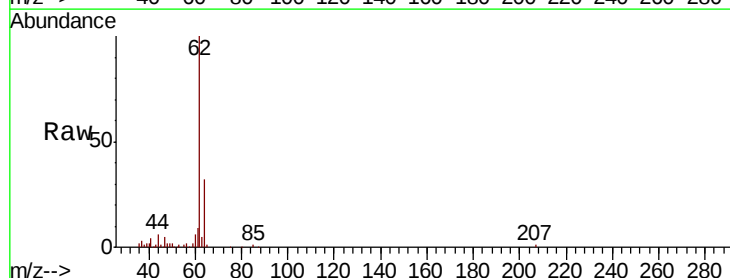
Acq: 18 Oct 2018 13:44

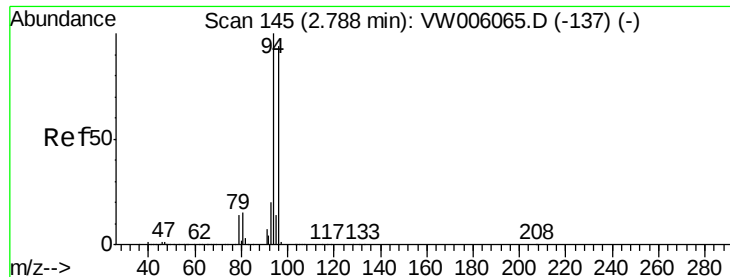
Tgt Ion: 62 Resp: 49478

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 19.069 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

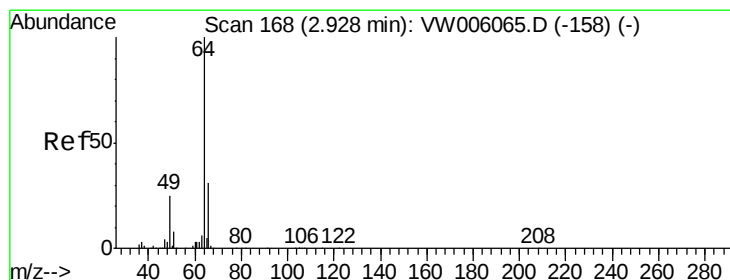
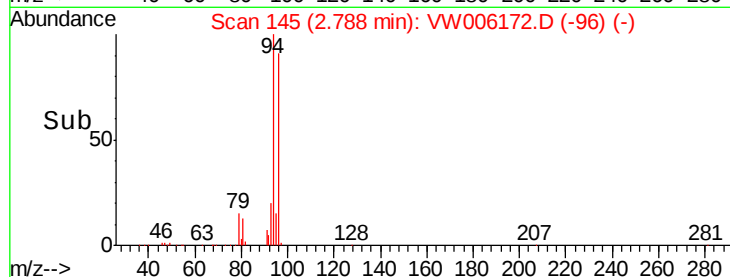
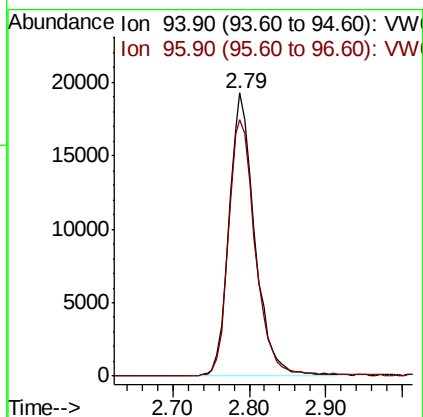
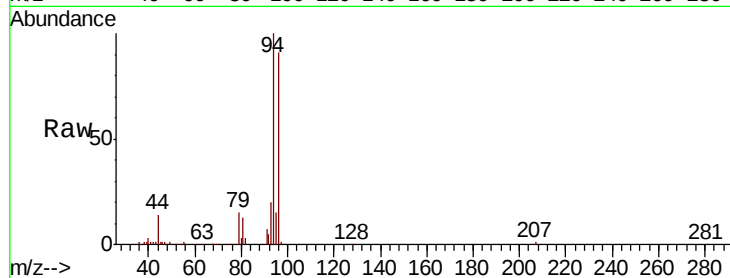
VW1018SBS01

Tot Ion: 94 Resp: 44685

Ion Ratio Lower Upper

94 100

96 90.6 74.9 112.3



#6

Chloroethane

Concen: 19.566 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006172.D

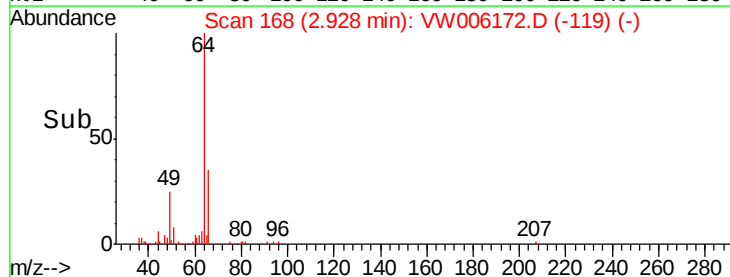
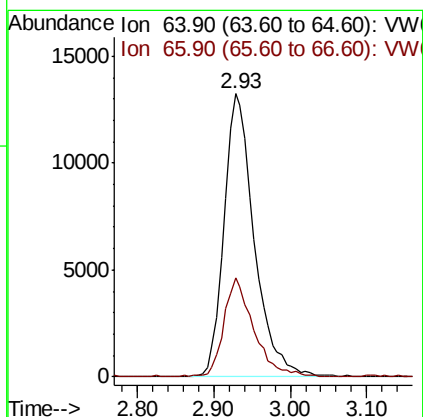
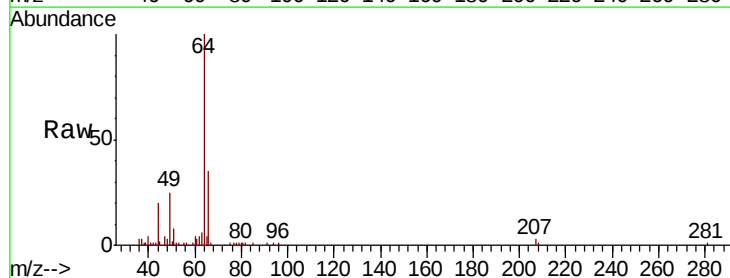
Acq: 18 Oct 2018 13:44

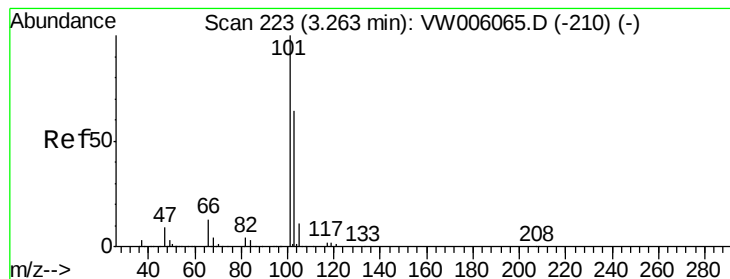
Tgt Ion: 64 Resp: 36126

Ion Ratio Lower Upper

64 100

66 35.1 24.9 37.3



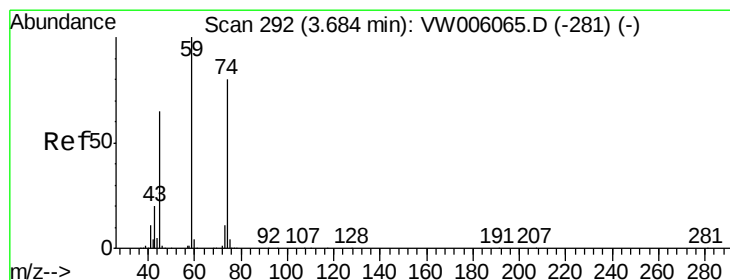
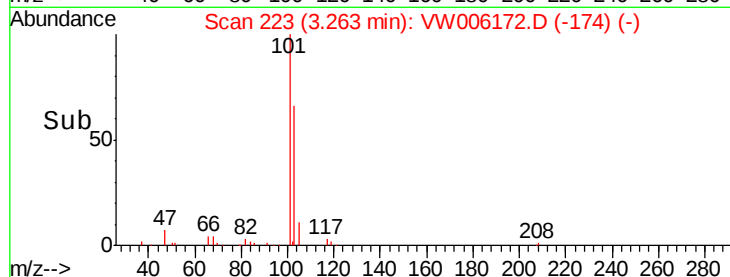
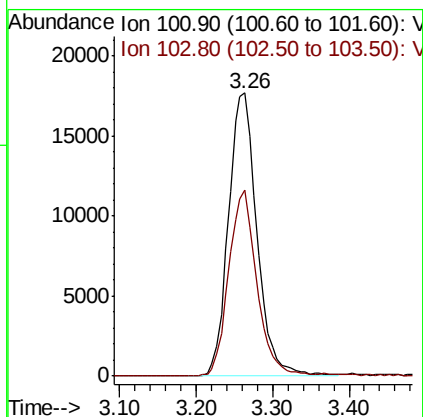
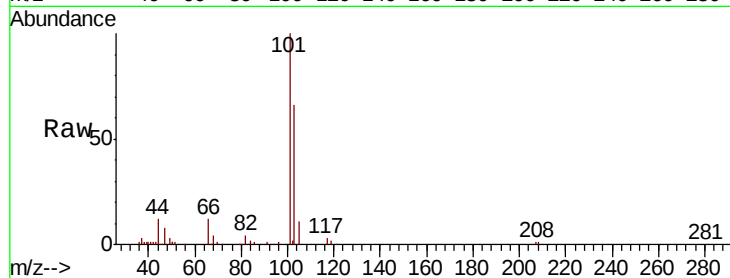


#7

Trichlorofluoromethane
 Concen: 19.024 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

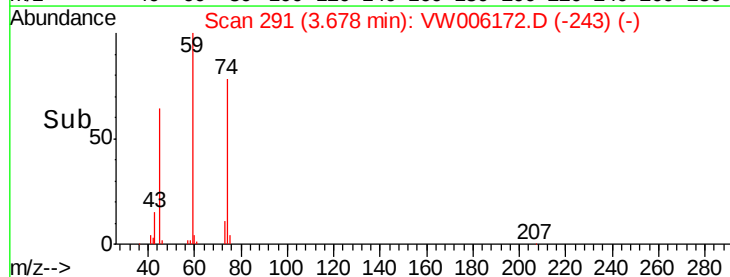
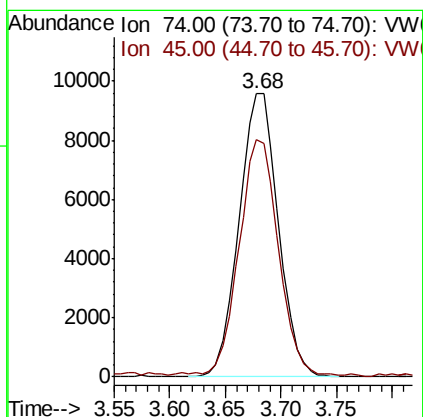
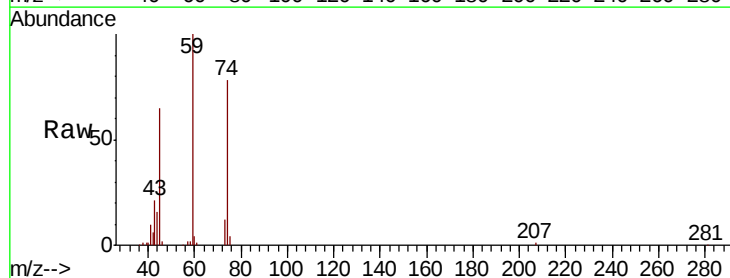
Tot Ion:101 Resp: 45660
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.2 76.8

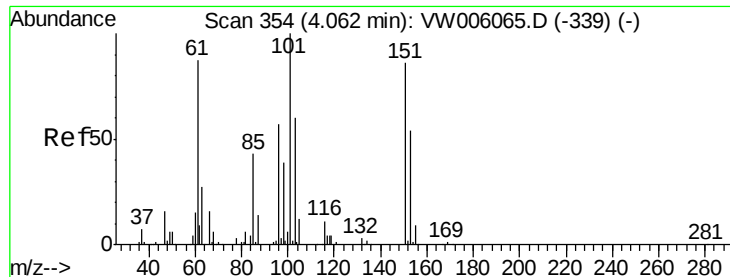


#8

Diethyl Ether
 Concen: 18.365 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 74 Resp: 23426
 Ion Ratio Lower Upper
 74 100
 45 85.4 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.312 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

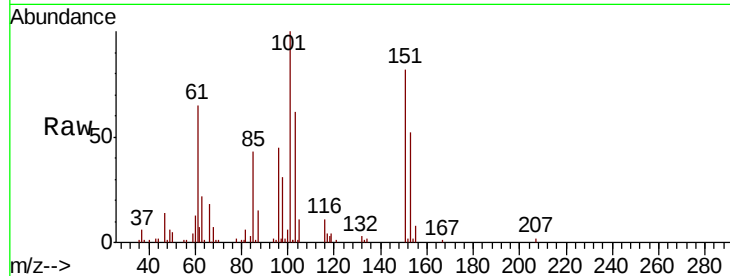
Tot Ion:101 Resp: 53604

Ion Ratio Lower Upper

101 100

85 41.4 34.9 52.3

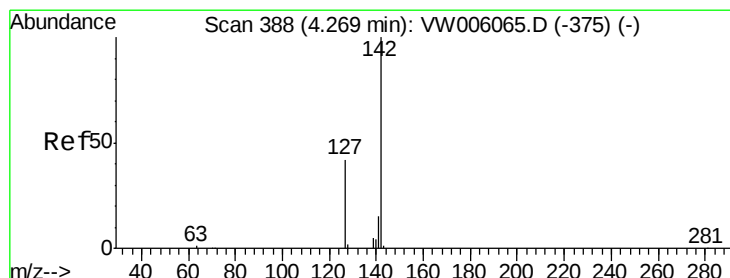
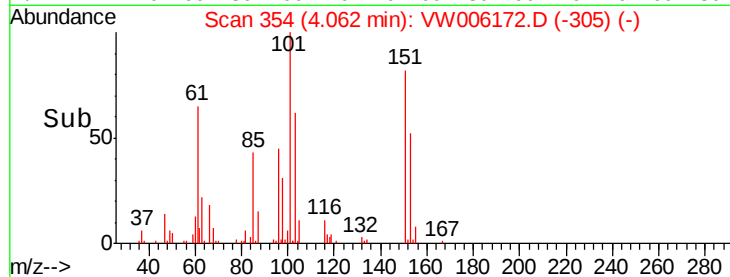
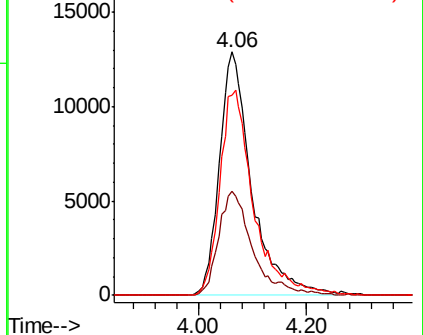
151 87.3 70.4 105.6



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: 20.648 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

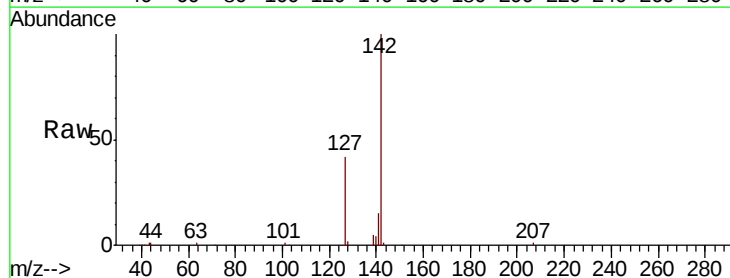
Tgt Ion:142 Resp: 86442

Ion Ratio Lower Upper

142 100

127 42.5 33.6 50.4

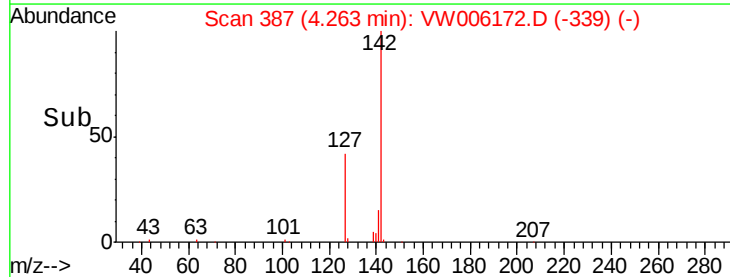
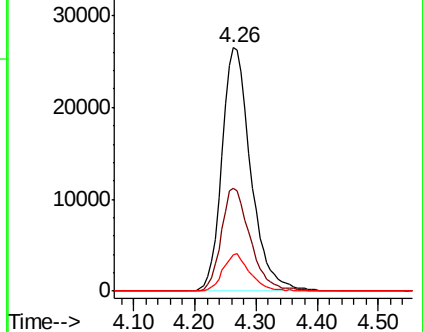
141 14.5 11.6 17.4

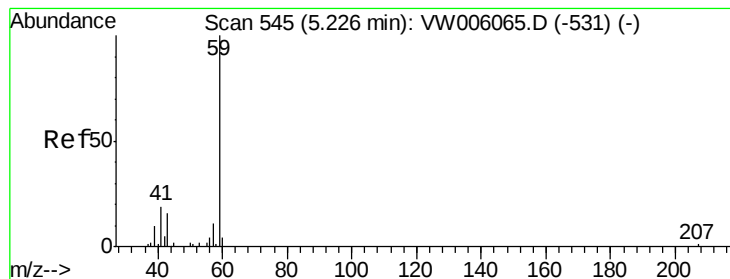


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



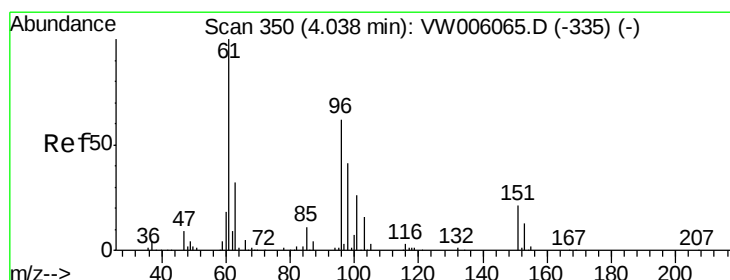
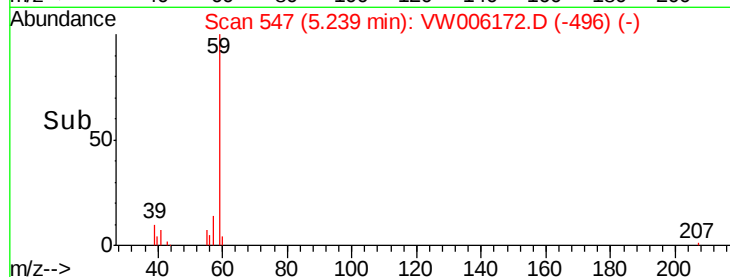
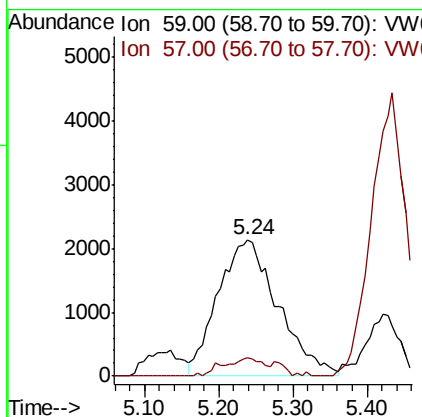
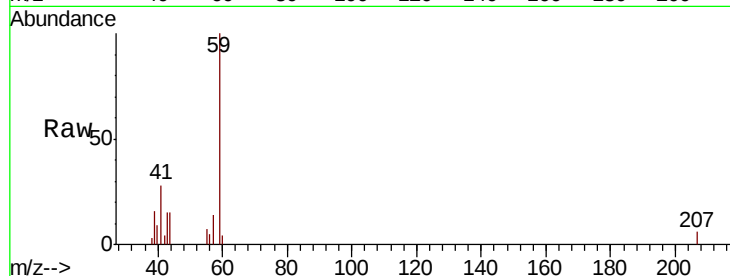


#11

Tert butyl alcohol
Concen: 76.339 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

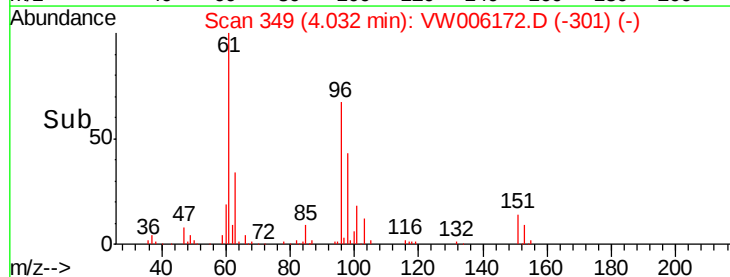
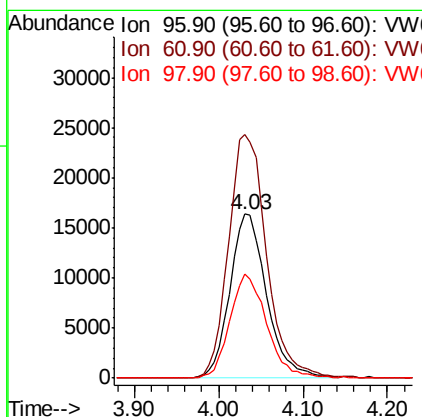
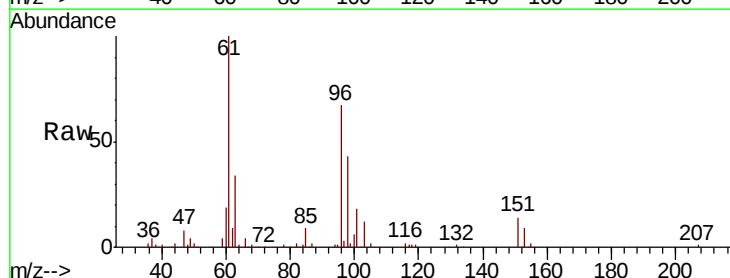
Tot Ion: 59 Resp: 12055
Ion Ratio Lower Upper
59 100
57 5.2 8.7 13.1#

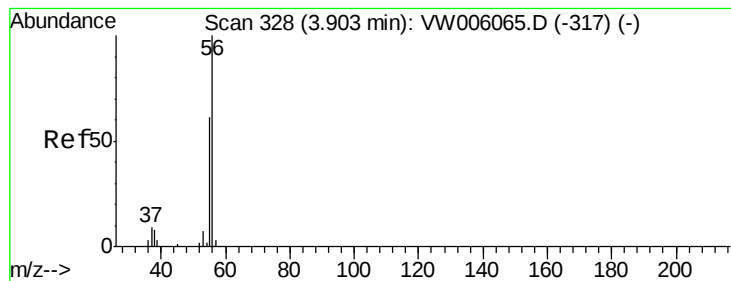


#12

1,1-Dichloroethene
Concen: 20.480 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion: 96 Resp: 48464
Ion Ratio Lower Upper
96 100
61 148.5 129.3 193.9
98 63.7 53.1 79.7





#13

Acrolein

Concen: 96.307 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

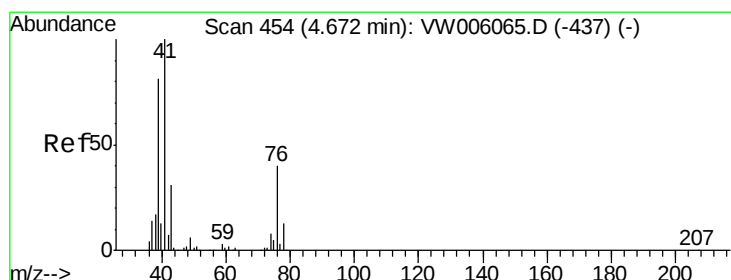
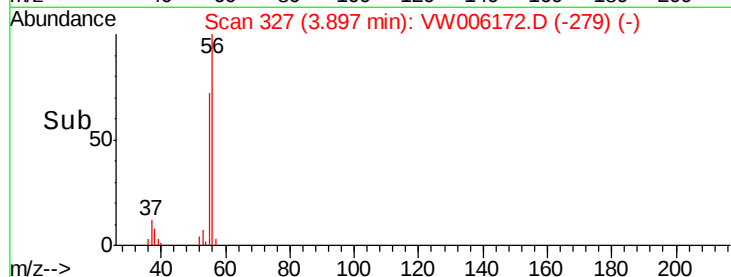
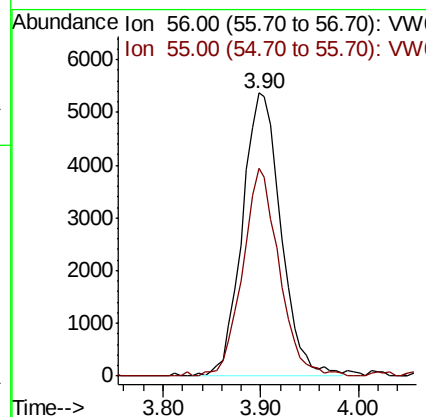
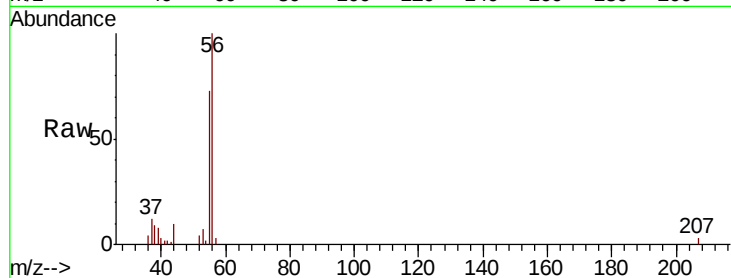
VW1018SBS01

Tot Ion: 56 Resp: 14716

Ion Ratio Lower Upper

56 100

55 69.4 54.5 81.7



#14

Allyl chloride

Concen: 19.310 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

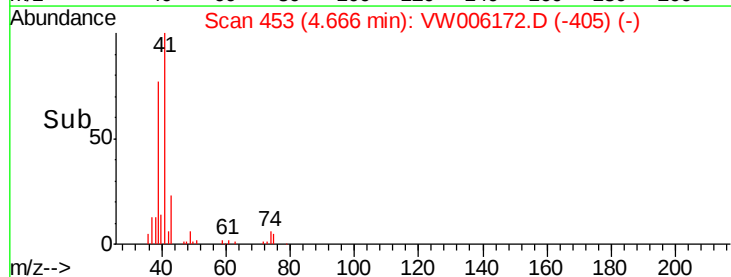
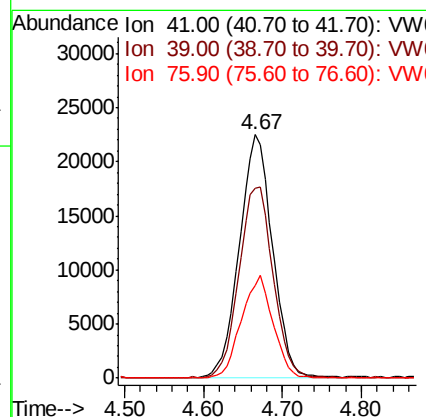
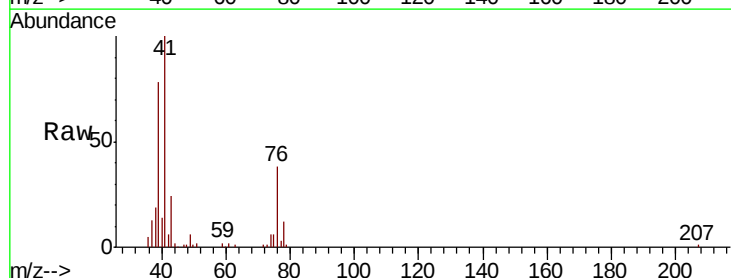
Tgt Ion: 41 Resp: 65336

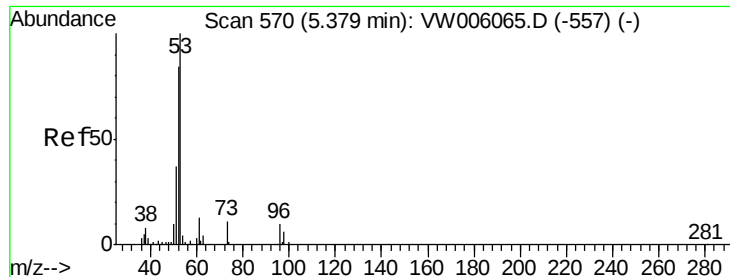
Ion Ratio Lower Upper

41 100

39 81.9 64.1 96.1

76 40.3 32.2 48.4





#15

Acrylonitrile

Concen: 90.927 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

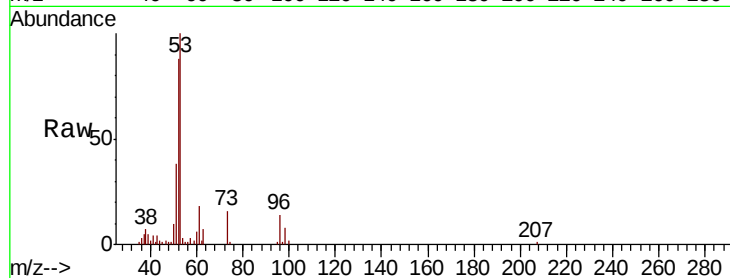
Tot Ion: 53 Resp: 41600

Ion Ratio Lower Upper

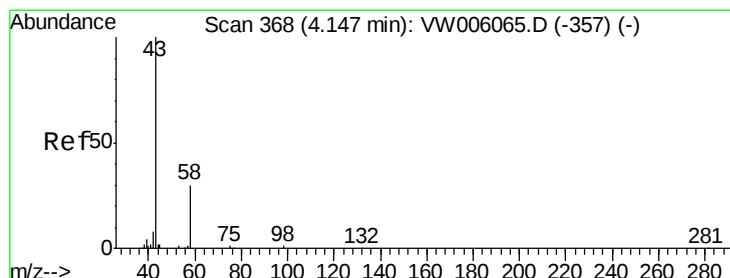
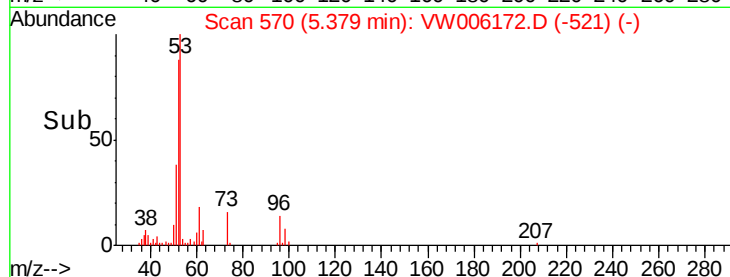
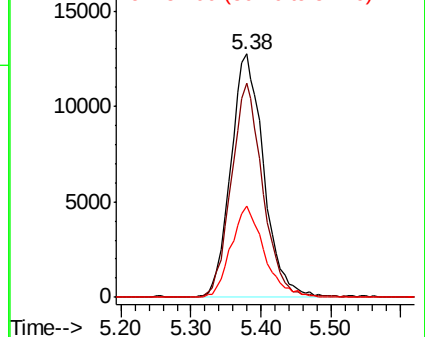
53 100

52 84.2 66.9 100.3

51 37.6 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.331 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006172.D

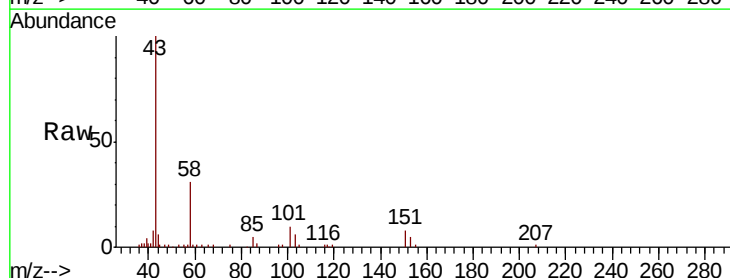
Acq: 18 Oct 2018 13:44

Tgt Ion: 43 Resp: 49758

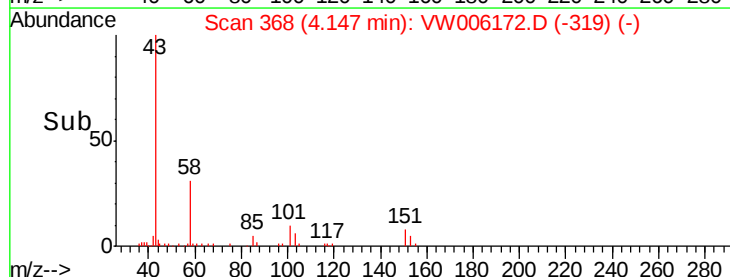
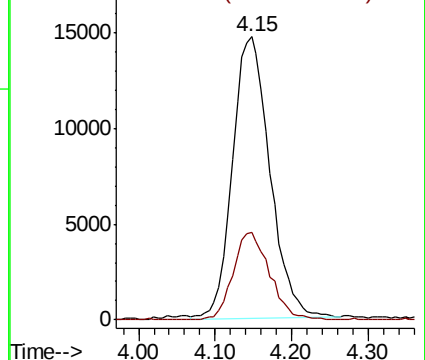
Ion Ratio Lower Upper

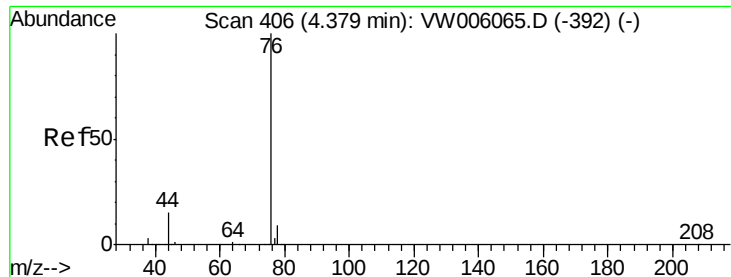
43 100

58 31.4 24.0 36.0



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

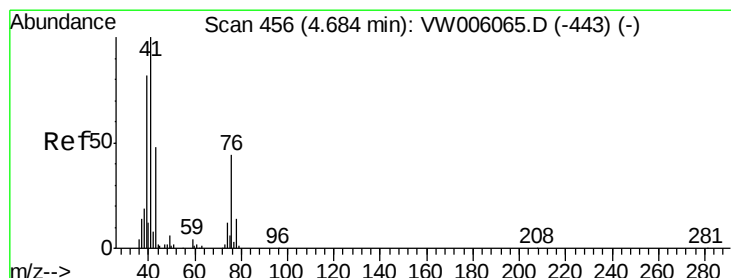
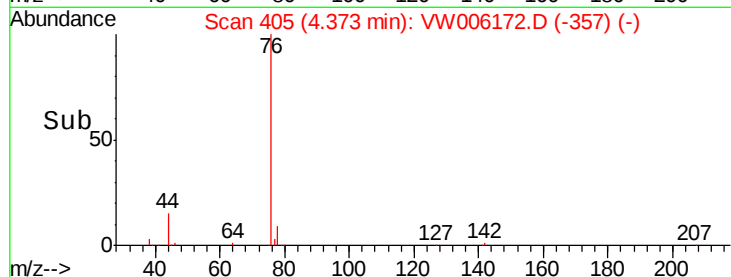
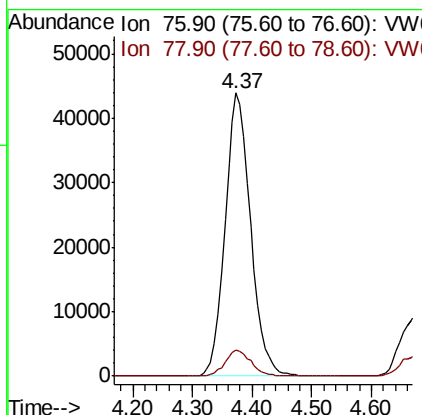
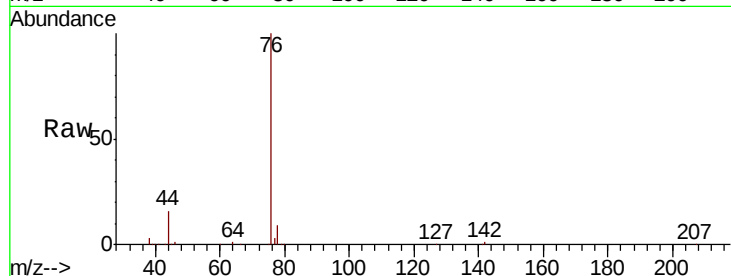




#17
Carbon Disulfide
Concen: 18.220 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

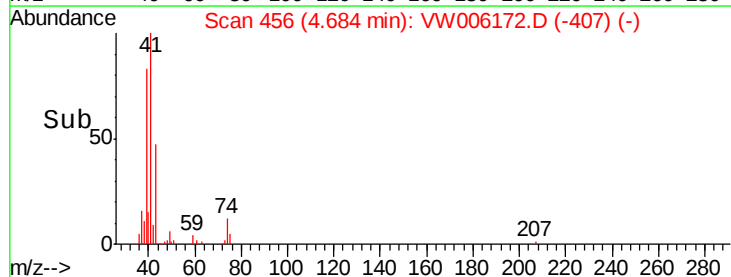
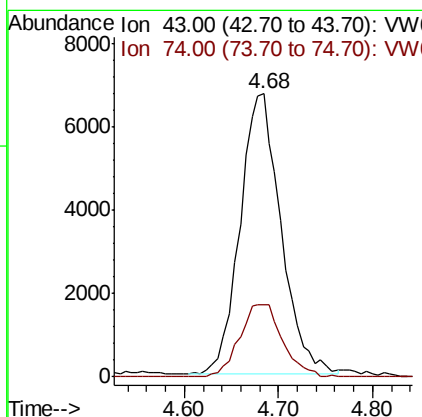
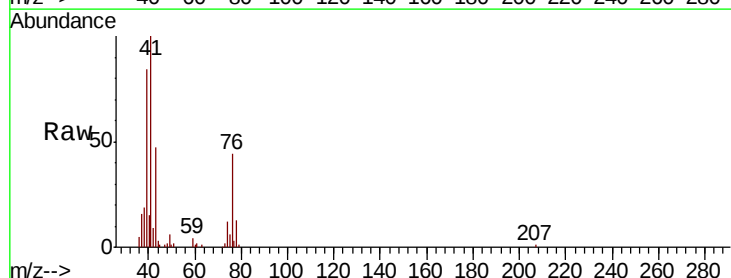
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

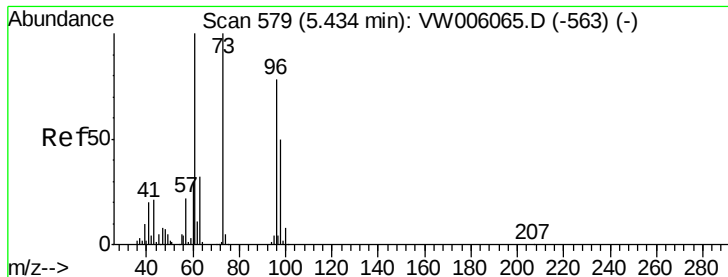
Tot Ion: 76 Resp: 130124
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 17.293 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion: 43 Resp: 20434
Ion Ratio Lower Upper
43 100
74 26.9 20.5 30.7



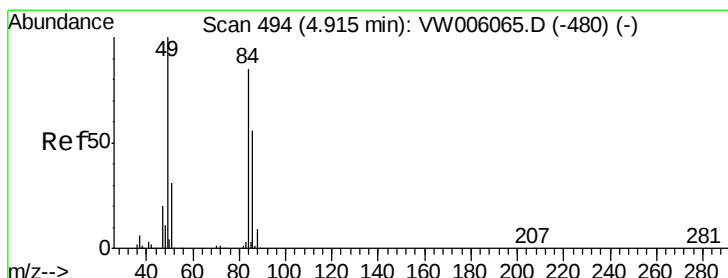
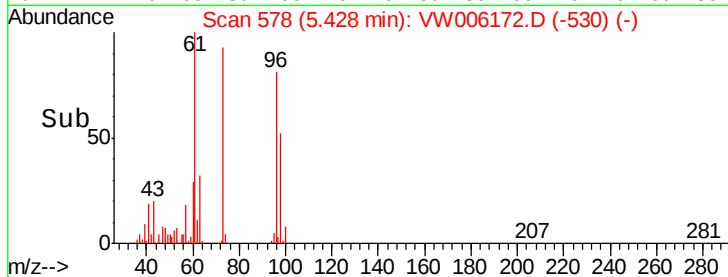
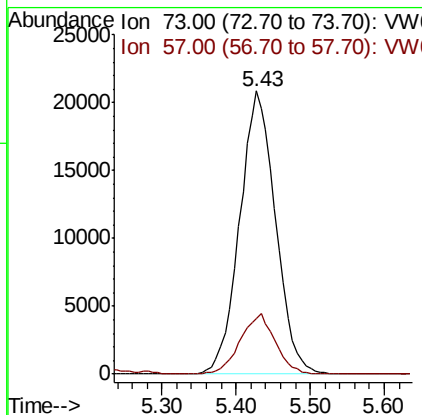
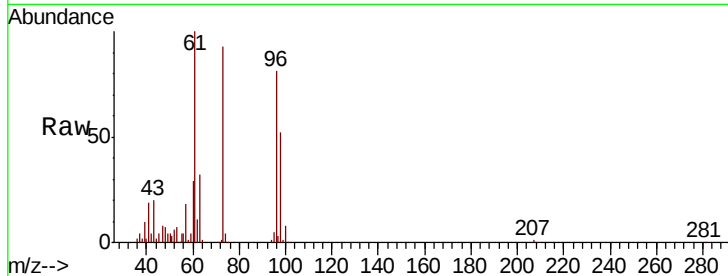


#19

Methyl tert-butyl Ether
 Concen: 19.505 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

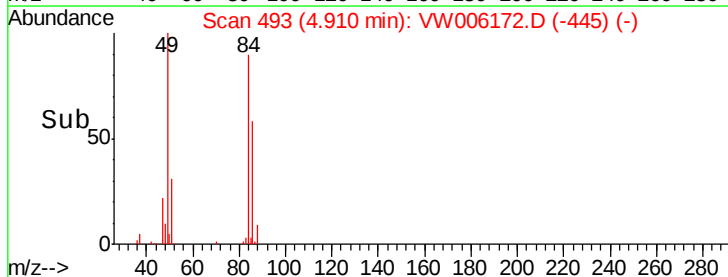
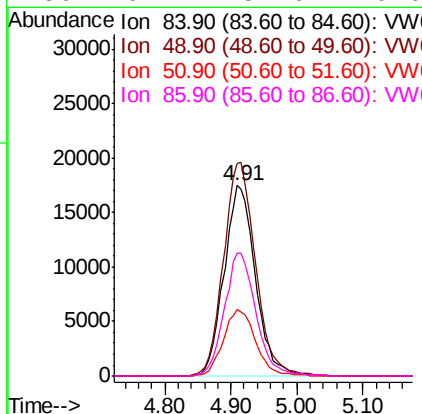
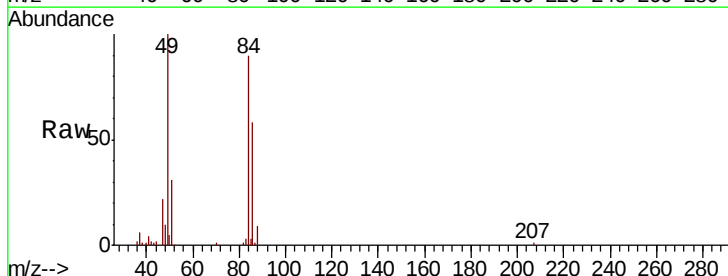
Tot Ion: 73 Resp: 70301
 Ion Ratio Lower Upper
 73 100
 57 19.6 17.4 26.2

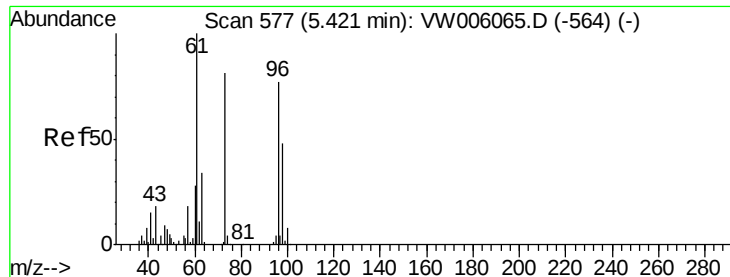


#20

Methylene Chloride
 Concen: 22.139 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 84 Resp: 57256
 Ion Ratio Lower Upper
 84 100
 49 111.4 93.6 140.4
 51 34.8 29.0 43.4
 86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.743 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

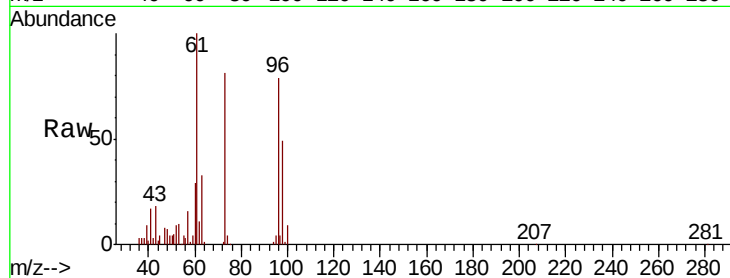
Tot Ion: 96 Resp: 54789

Ion Ratio Lower Upper

96 100

61 127.4 104.5 156.7

98 62.6 50.6 75.8

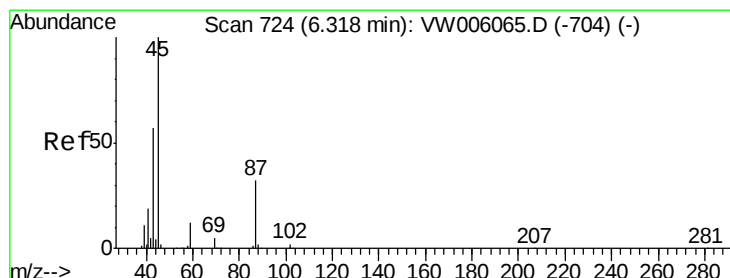
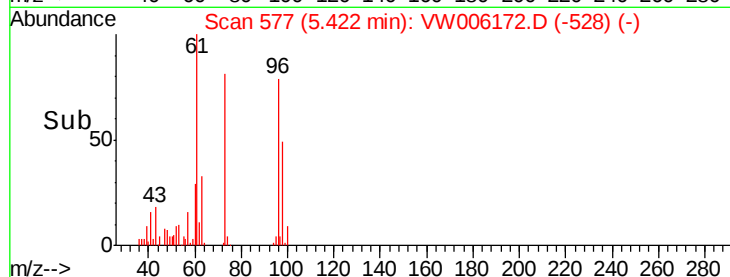
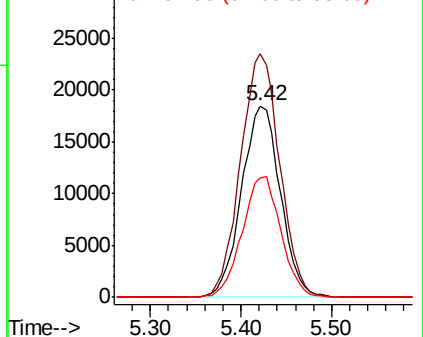


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.052 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Tgt Ion: 45 Resp: 134075

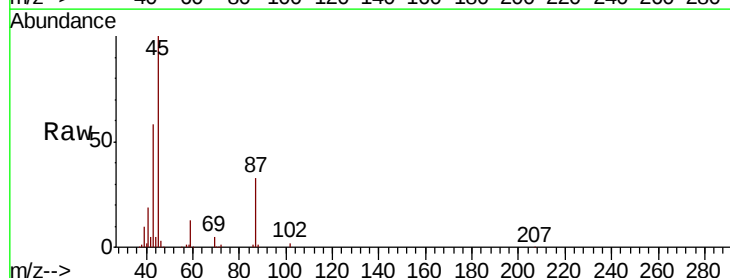
Ion Ratio Lower Upper

45 100

43 56.7 45.7 68.5

87 32.6 25.9 38.9

59 12.5 9.6 14.4



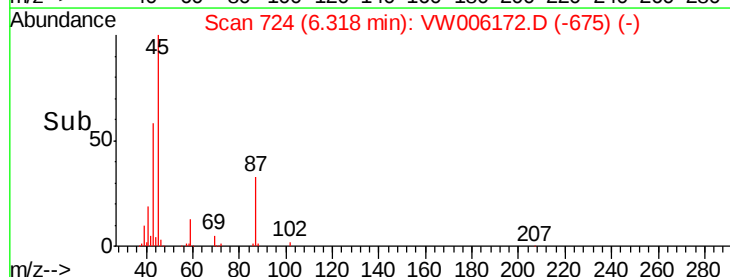
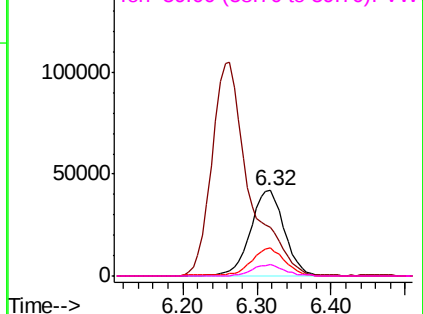
Abundance

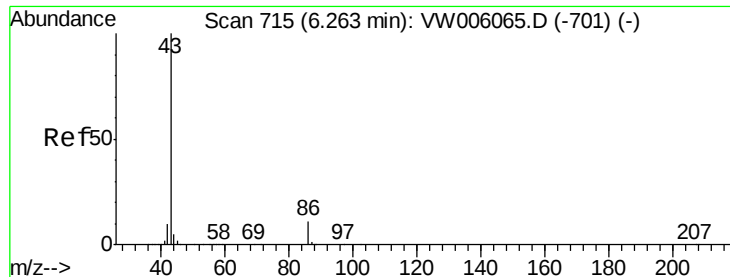
Ion 45.00 (44.70 to 45.70): VW

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: 92.141 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

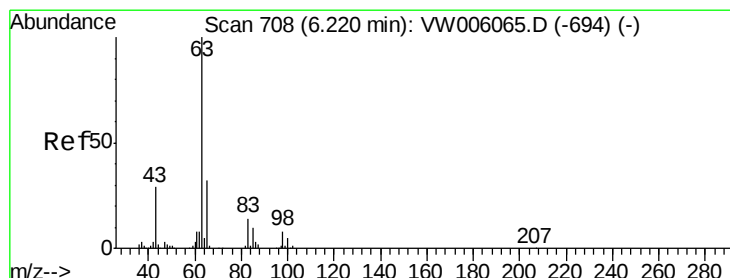
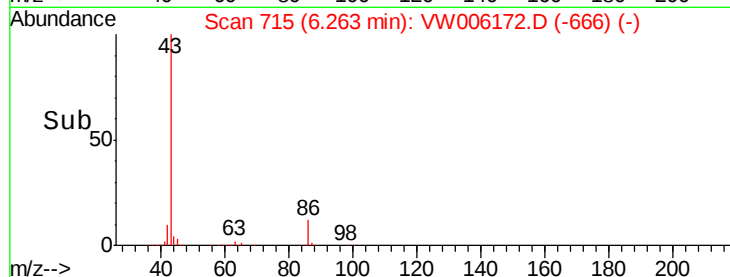
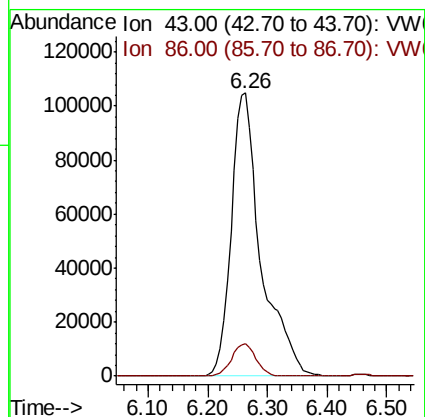
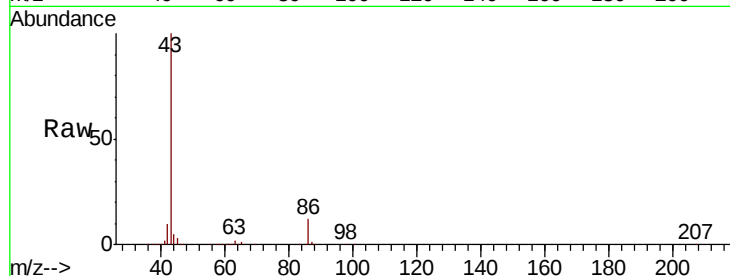
VW1018SBS01

Tot Ion: 43 Resp: 363585

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.651 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

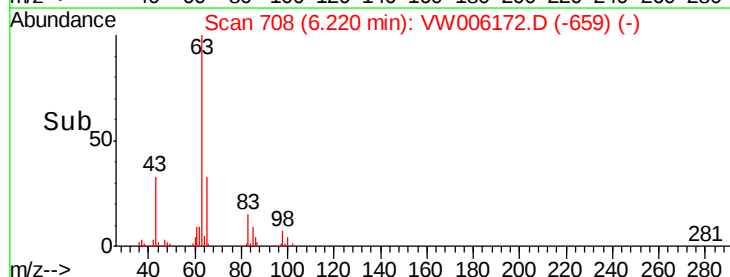
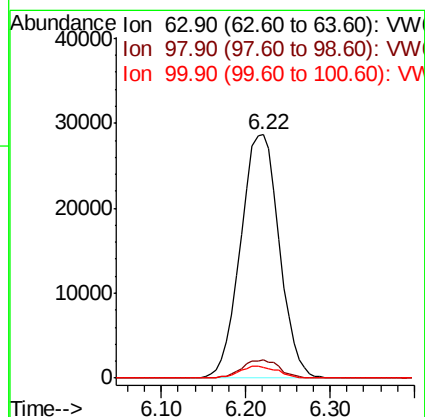
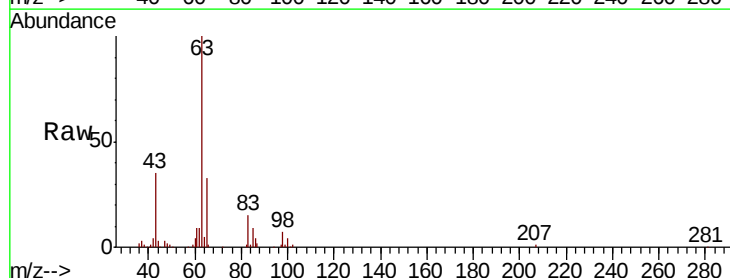
Tgt Ion: 63 Resp: 89097

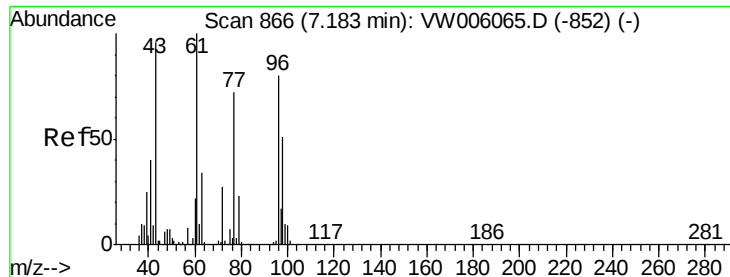
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.3 2.5 7.5





#25

2-Butanone

Concen: 97.089 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

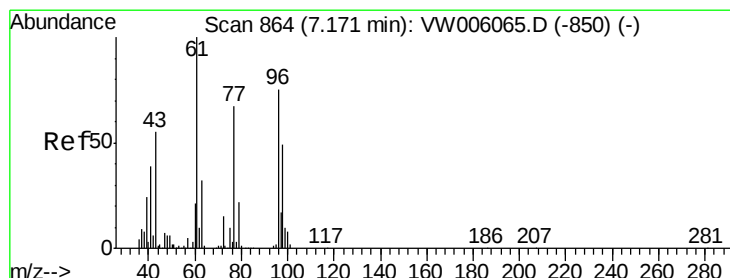
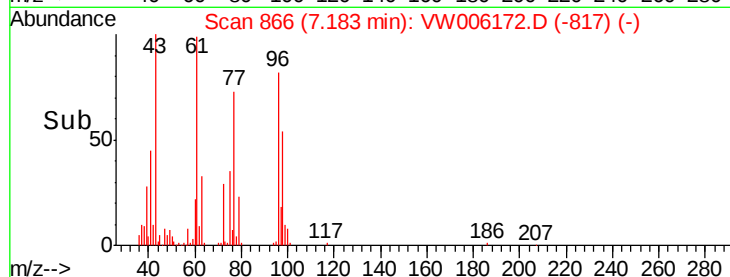
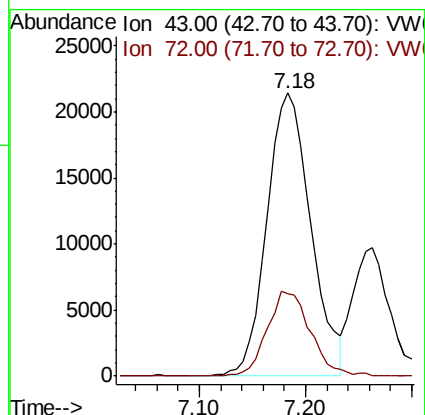
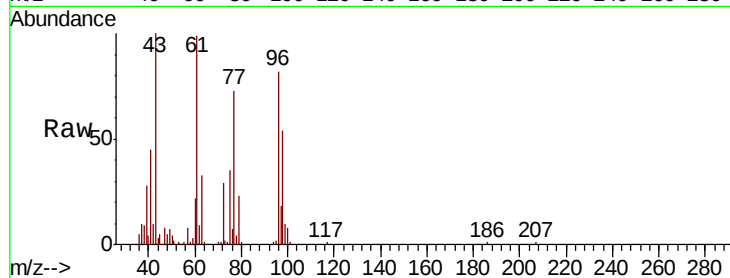
VW1018SBS01

Tot Ion: 43 Resp: 61585

Ion Ratio Lower Upper

43 100

72 29.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 20.449 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006172.D

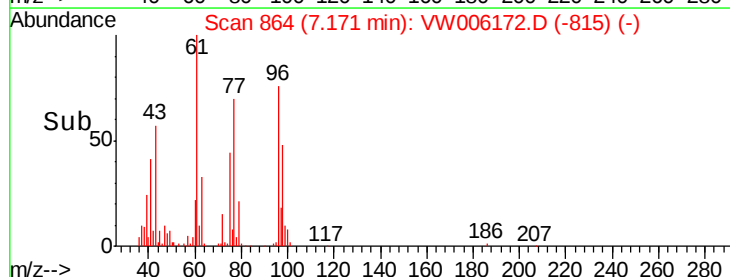
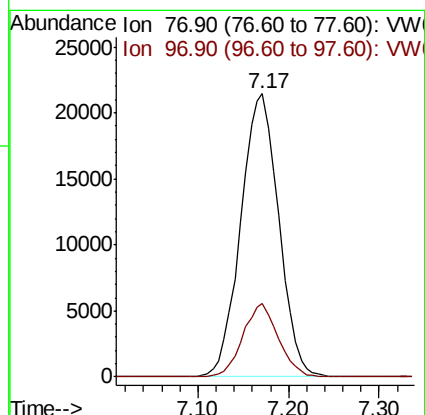
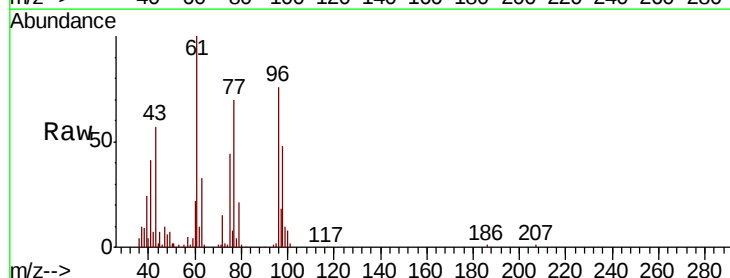
Acq: 18 Oct 2018 13:44

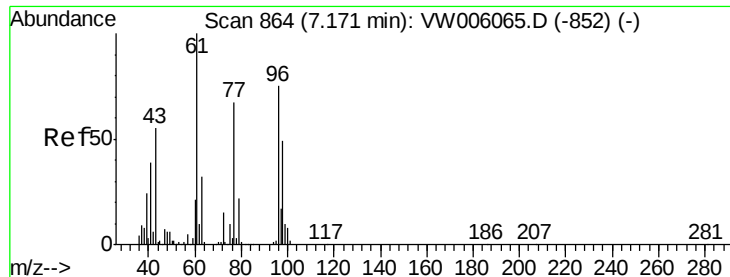
Tgt Ion: 77 Resp: 62224

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4



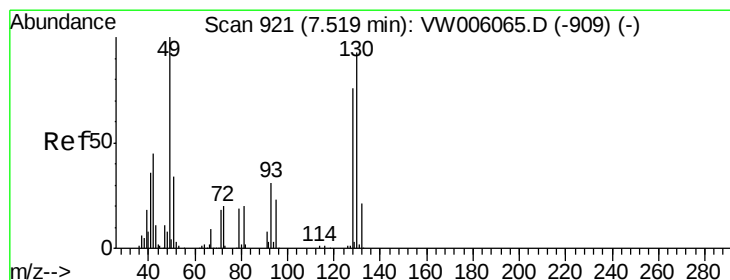
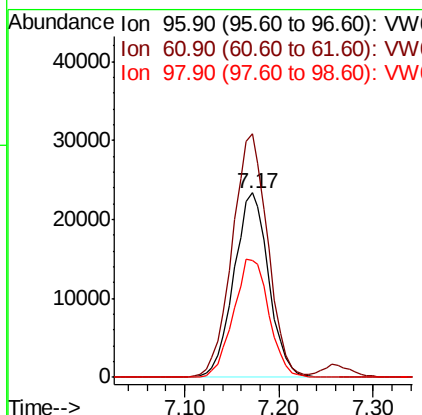
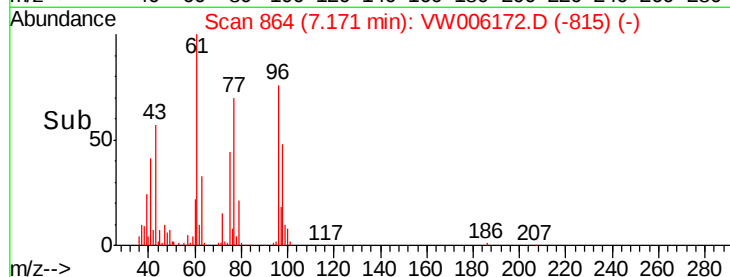
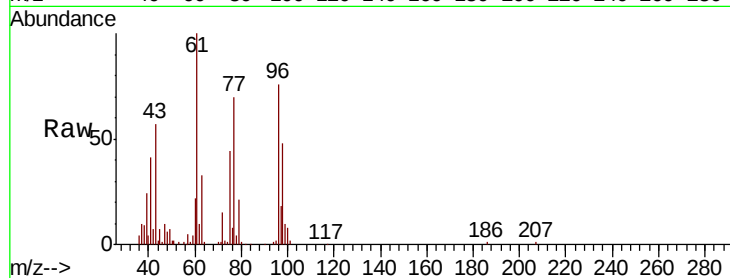


#27

cis-1,2-Dichloroethene
 Concen: 20.617 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

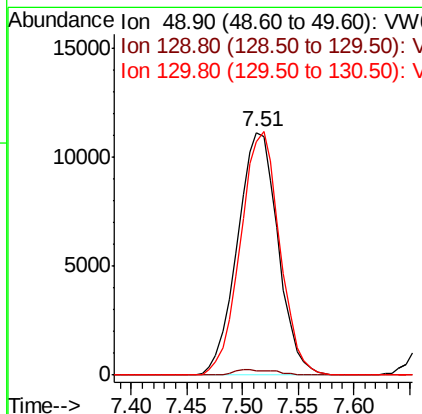
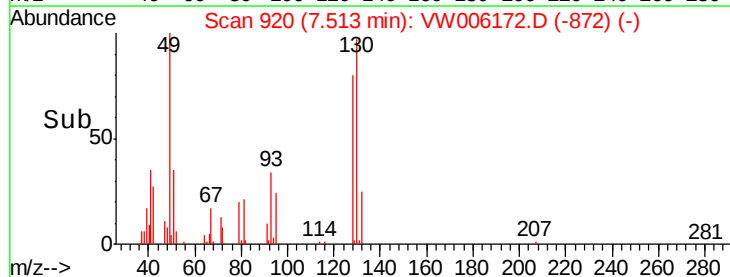
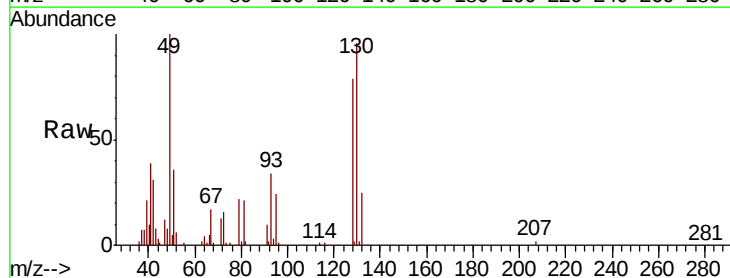
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	267.2
98	65.4	0.0	128.6

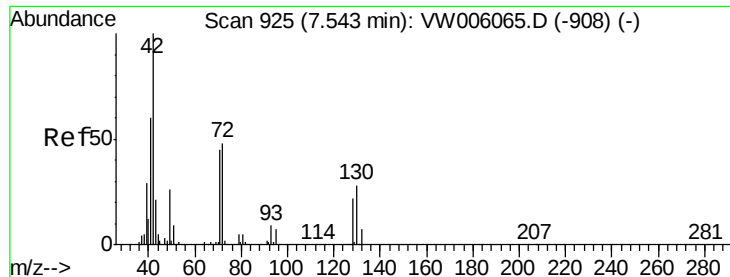


#28

Bromochloromethane
 Concen: 16.978 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	96.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 86.756 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

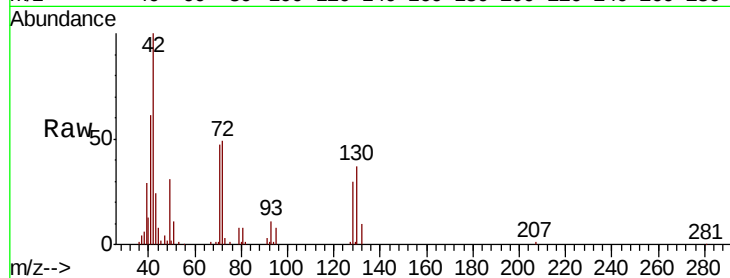
Tot Ion: 42 Resp: 33826

Ion Ratio Lower Upper

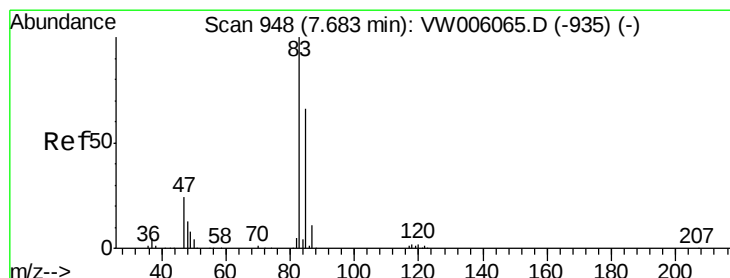
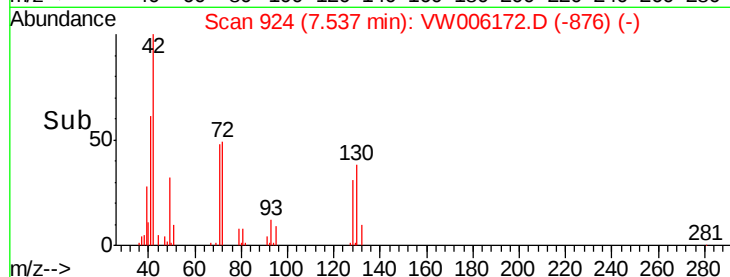
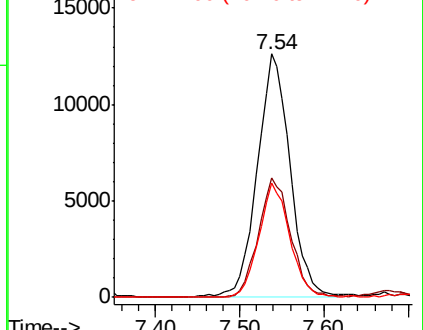
42 100

72 47.8 38.0 57.0

71 44.2 35.3 52.9



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



#30

Chloroform

Concen: 20.761 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006172.D

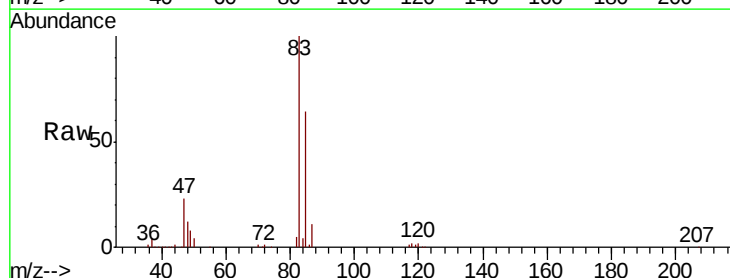
Acq: 18 Oct 2018 13:44

Tgt Ion: 83 Resp: 97591

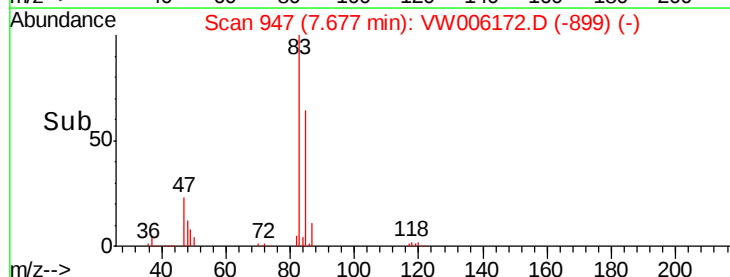
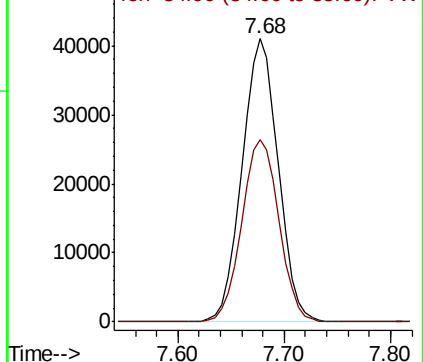
Ion Ratio Lower Upper

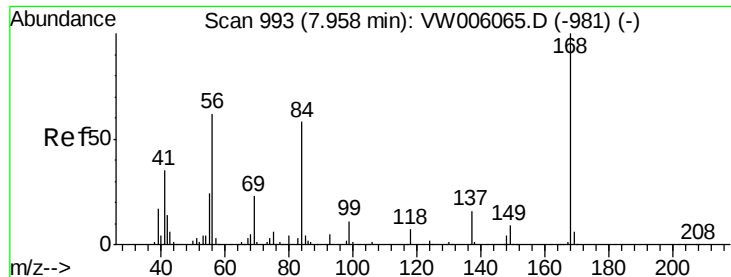
83 100

85 64.3 52.6 79.0



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

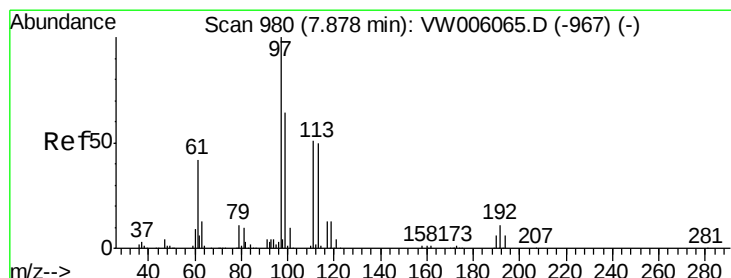
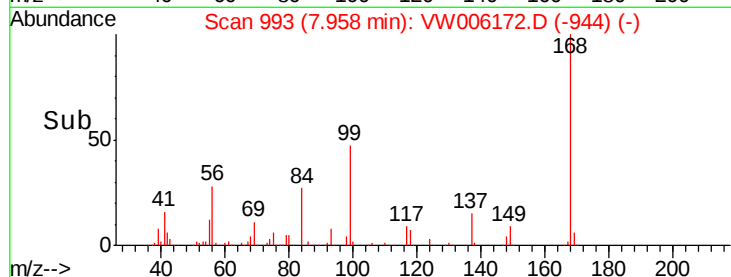
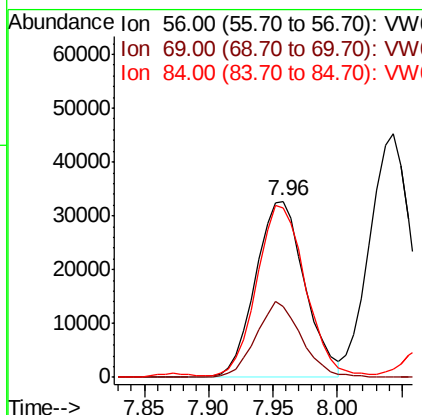
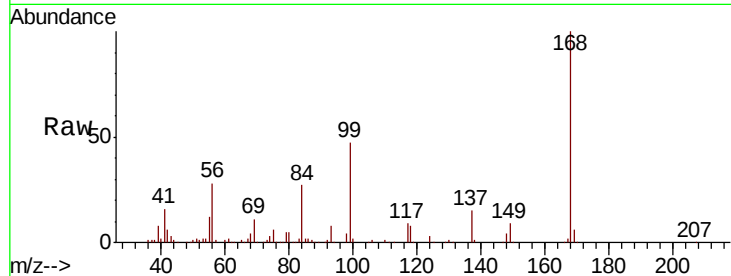




#31
Cyclohexane
Concen: 20.245 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

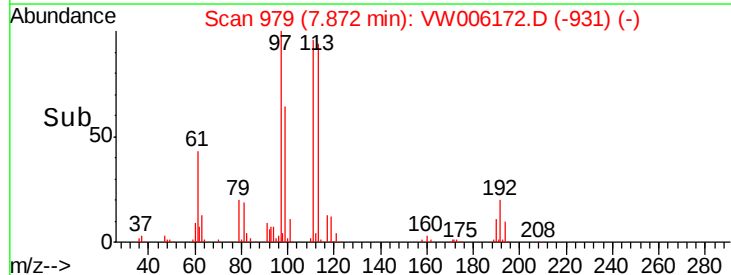
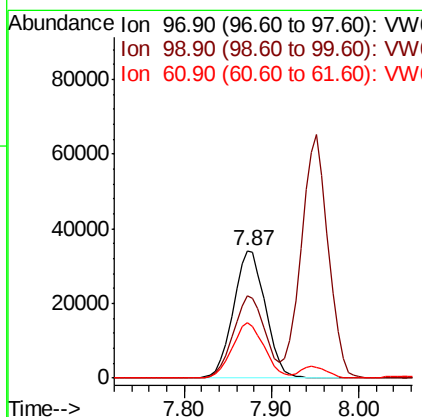
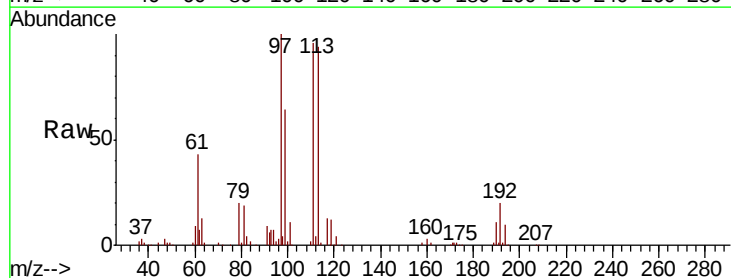
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

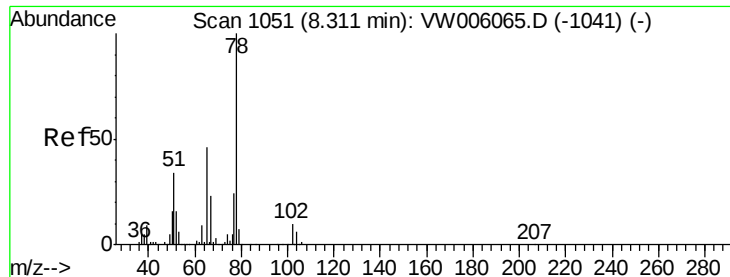
Tot Ion	56	Resp	86985
Ion Ratio	Lower	Upper	
56	100		
69	40.4	29.4	44.0
84	94.9	74.0	111.0



#32
1,1,1-Trichloroethane
Concen: 20.478 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion	97	Resp	86833
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.9	76.3
61	43.3	33.7	50.5

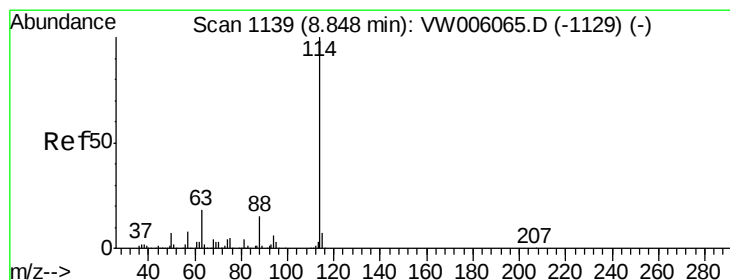
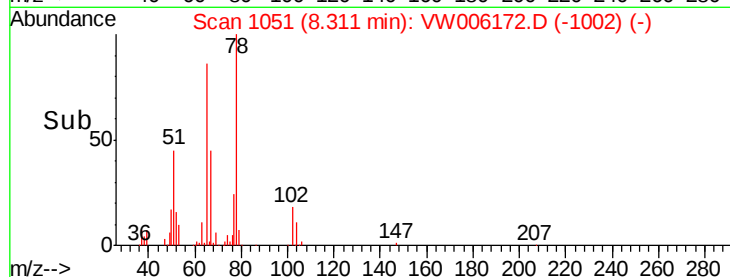
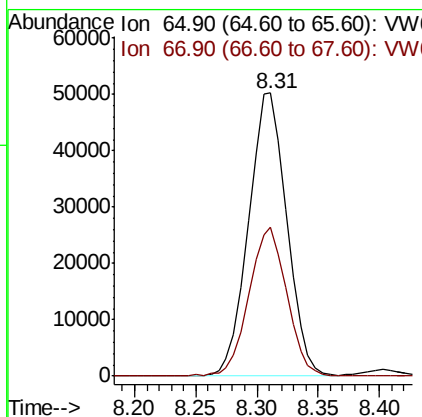
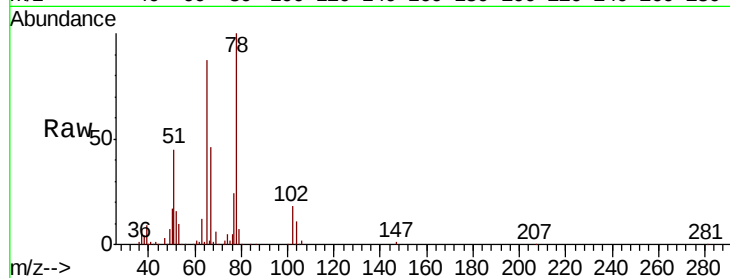




#33
 1,2-Dichloroethane-d4
 Concen: 46.608 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

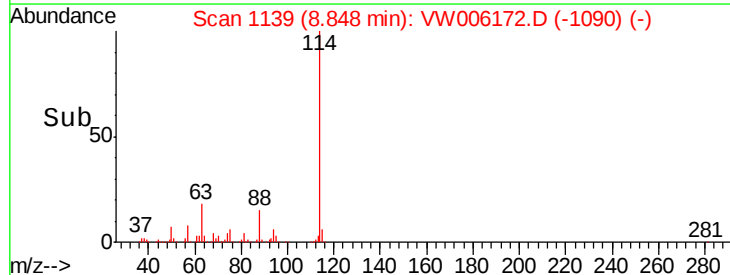
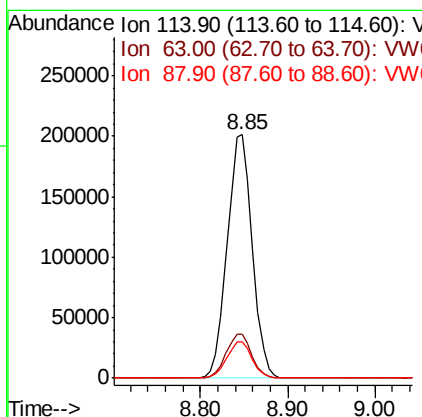
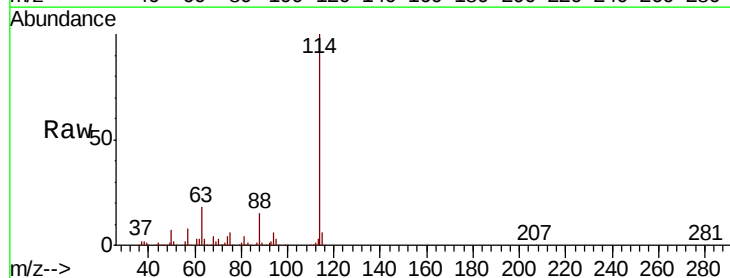
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

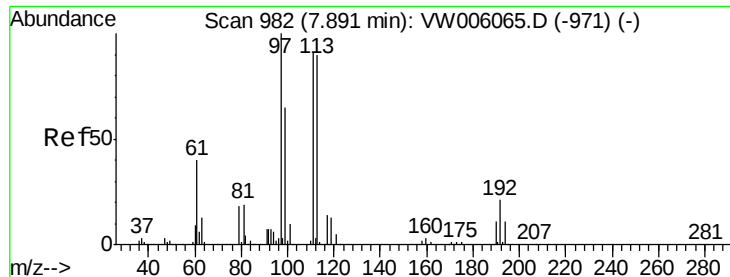
Tot Ion: 65 Resp: 109437
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 114 Resp: 399098
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.8
 88 14.7 0.0 29.0

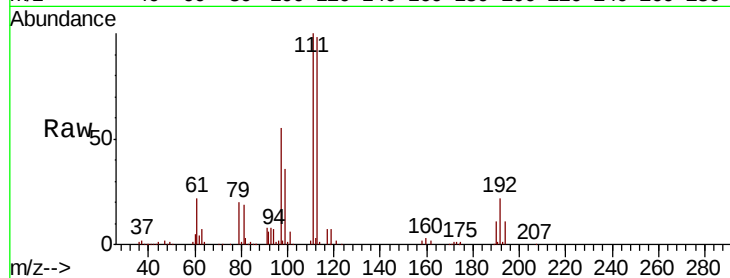




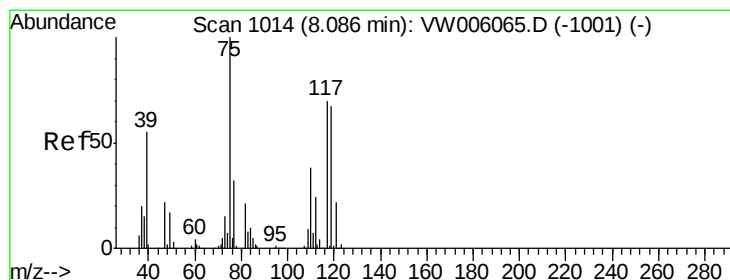
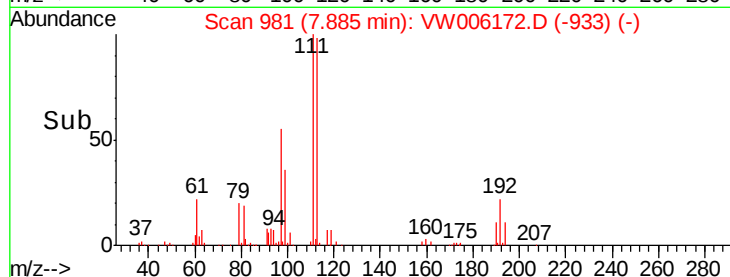
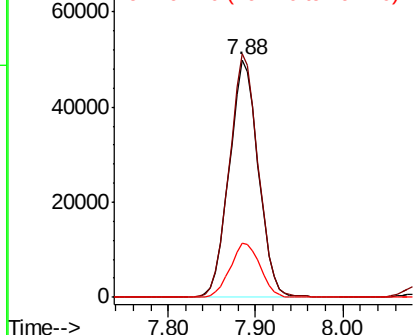
#35
 Dibromofluoromethane
 Concen: 48.862 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Tot Ion:113 Resp: 115228
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 23.4 18.7 28.1

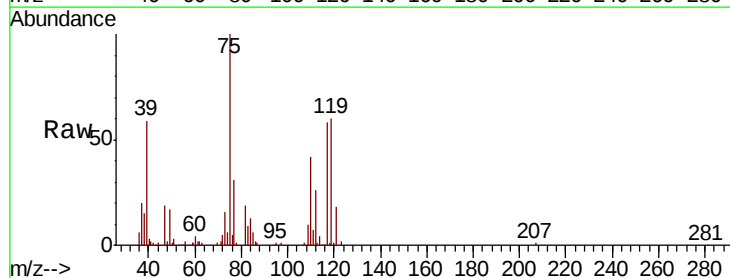


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

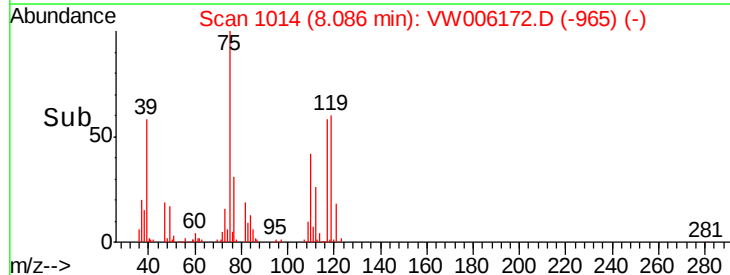
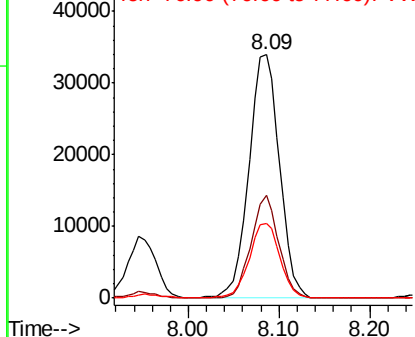


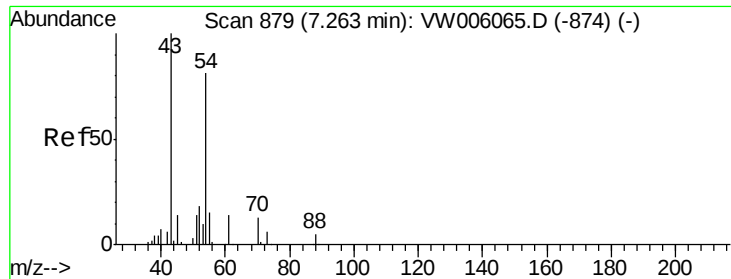
#36
 1,1-Dichloropropene
 Concen: 21.567 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 75 Resp: 79334
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.1 57.1
 77 30.8 25.0 37.4



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

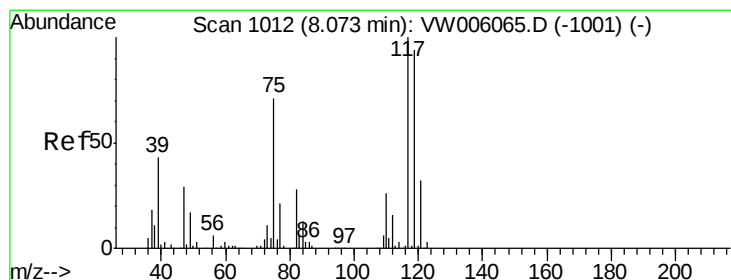
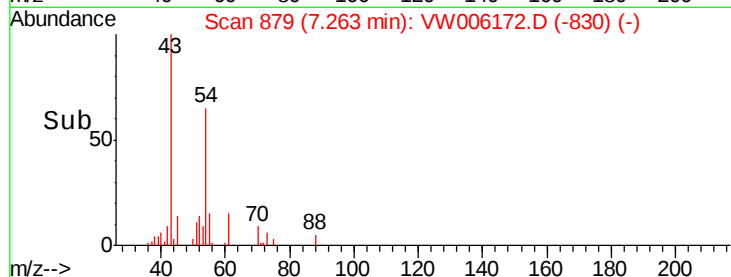
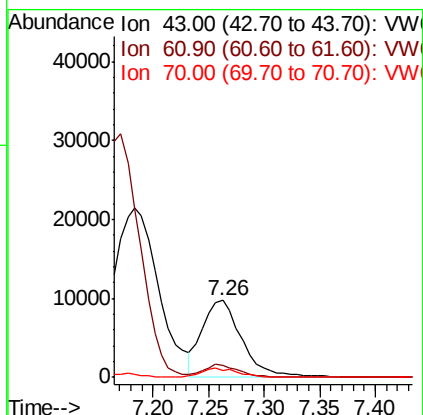
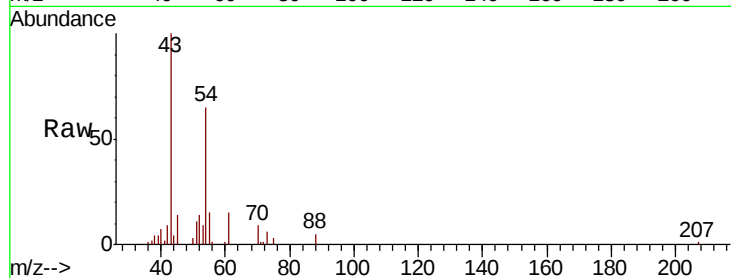




#37
Ethyl Acetate
Concen: 17.441 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

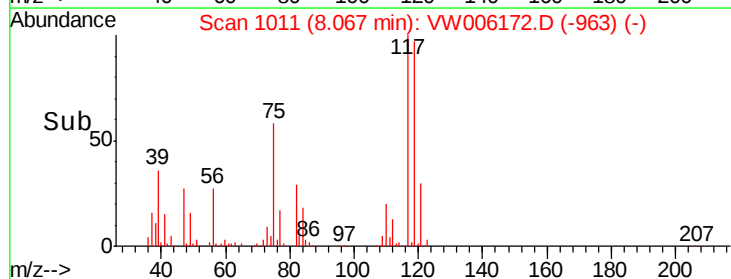
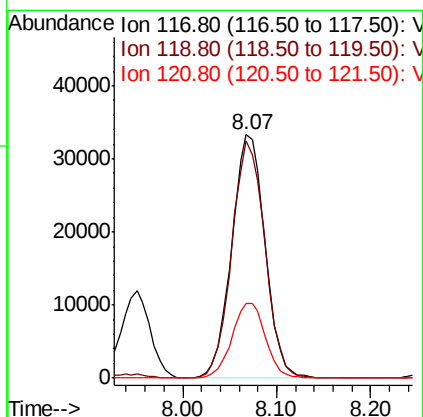
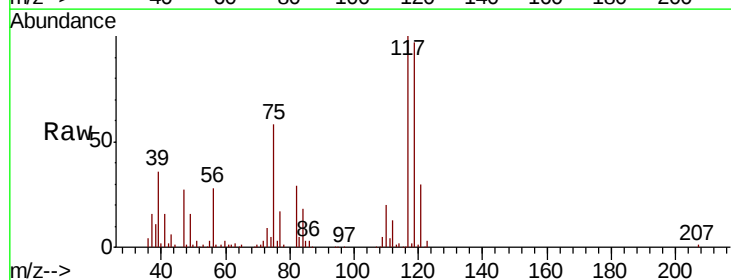
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

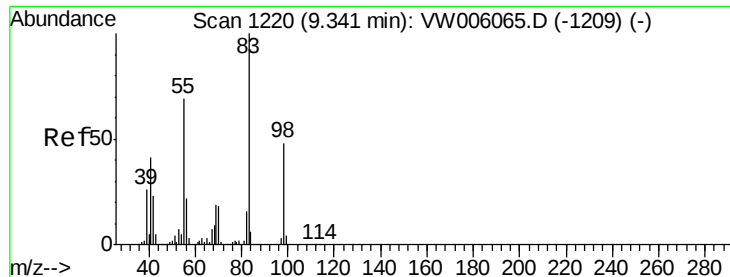
Tot Ion: 43 Resp: 23837
Ion Ratio Lower Upper
43 100
61 15.7 11.5 17.3
70 11.3 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.358 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion: 117 Resp: 82097
Ion Ratio Lower Upper
117 100
119 97.2 75.2 112.8
121 30.4 25.3 37.9

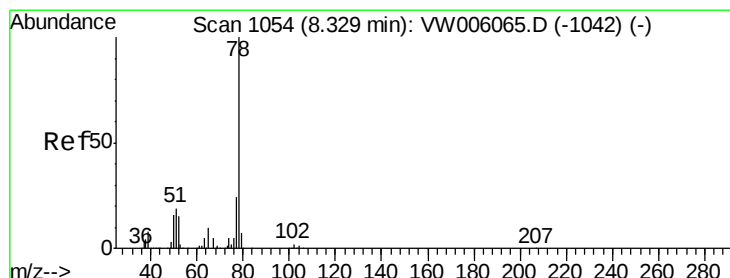
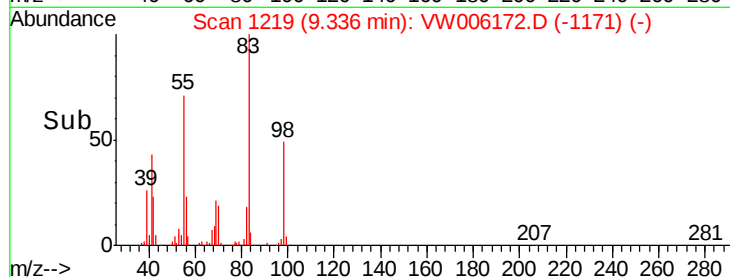
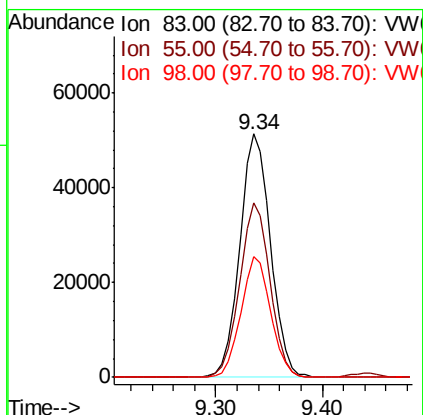
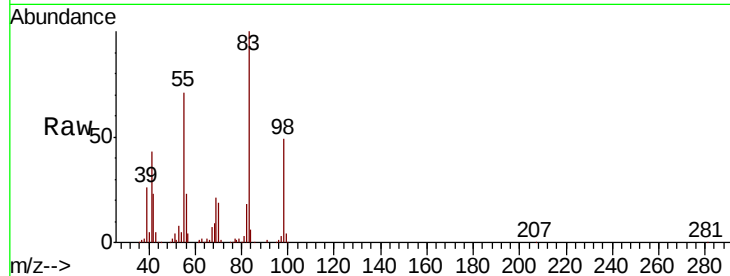




#39
Methylcyclohexane
Concen: 21.267 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

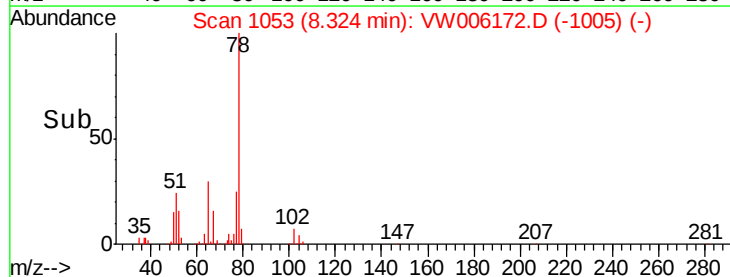
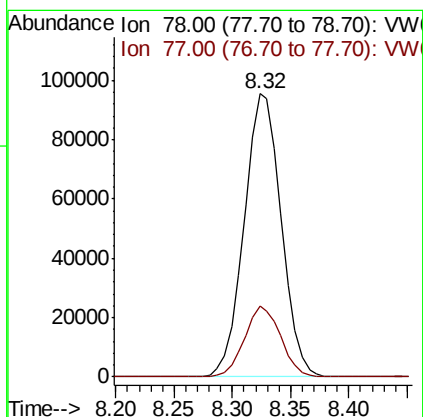
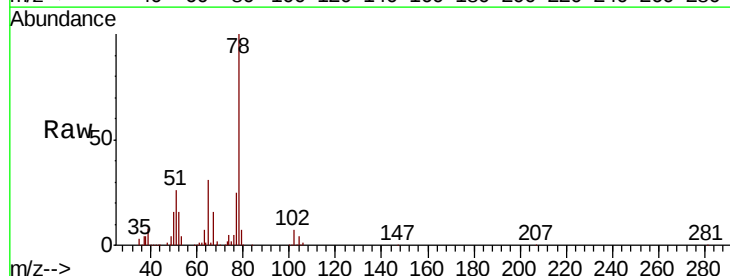
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

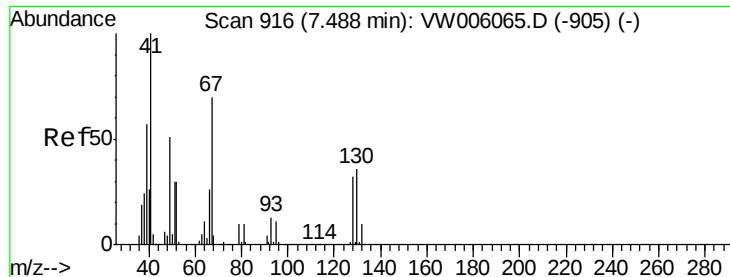
Tot Ion: 83 Resp: 103994
Ion Ratio Lower Upper
83 100
55 71.4 55.0 82.6
98 49.4 38.6 57.8



#40
Benzene
Concen: 20.980 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion: 78 Resp: 211701
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

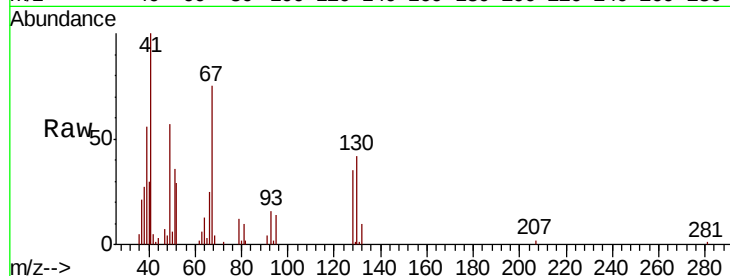




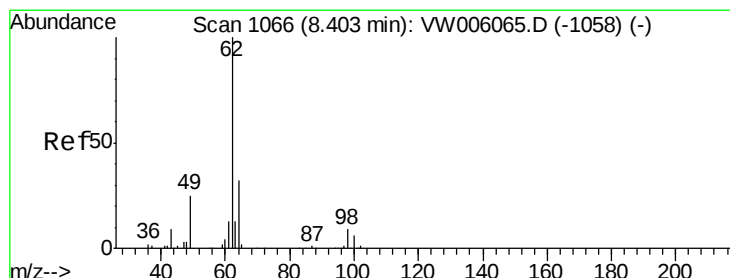
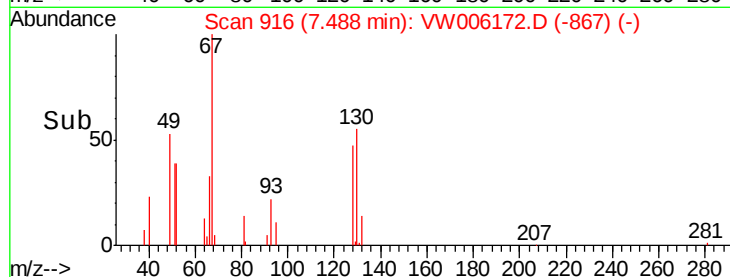
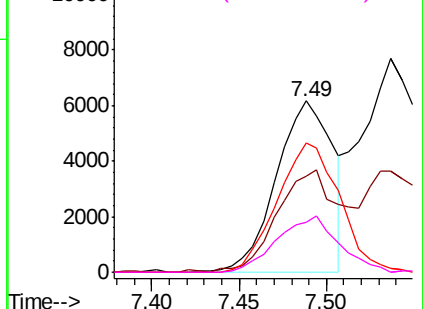
#41
Methacrylonitrile
Concen: 16.849 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

Tot Ion:	41	Resp:	13882
Ion	Ratio	Lower	Upper
41	100		
39	71.1	46.2	69.4#
67	83.5	57.7	86.5
52	36.0	24.7	37.1

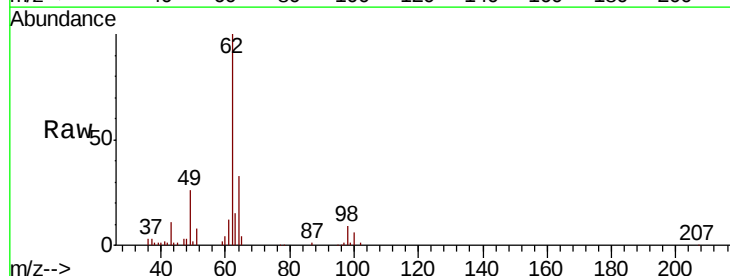


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

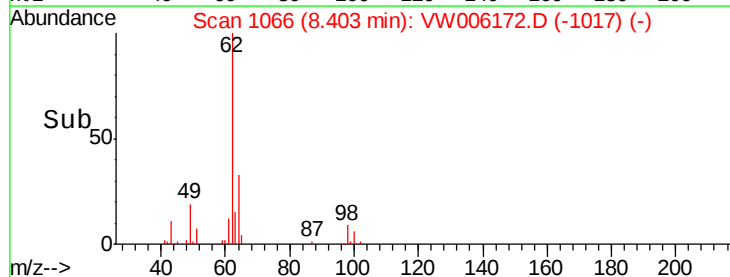
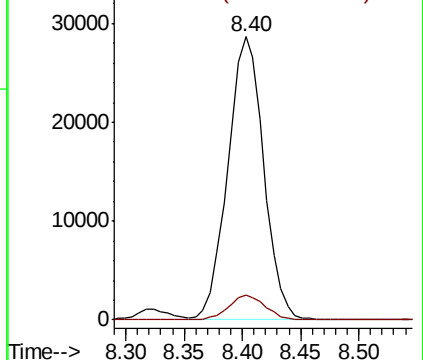


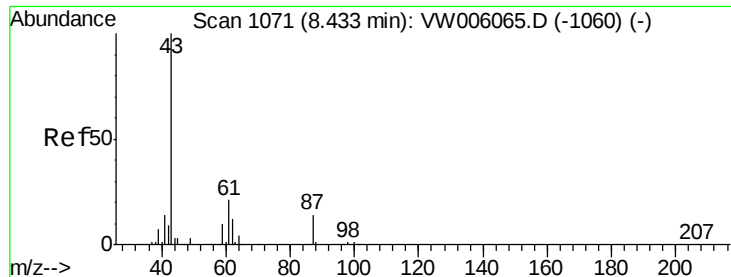
#42
1,2-Dichloroethane
Concen: 20.739 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion:	62	Resp:	61484
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 17.792 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

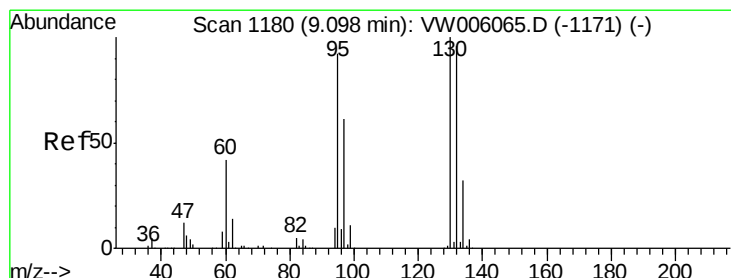
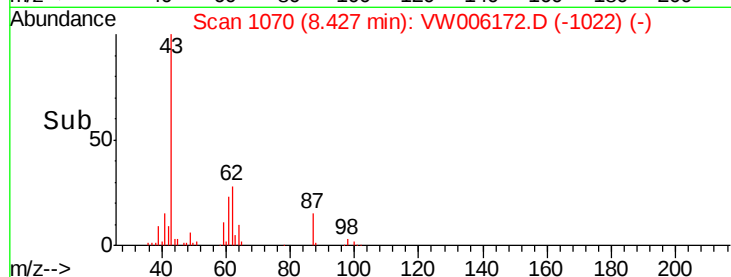
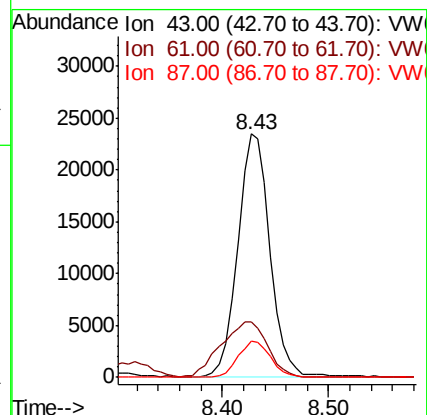
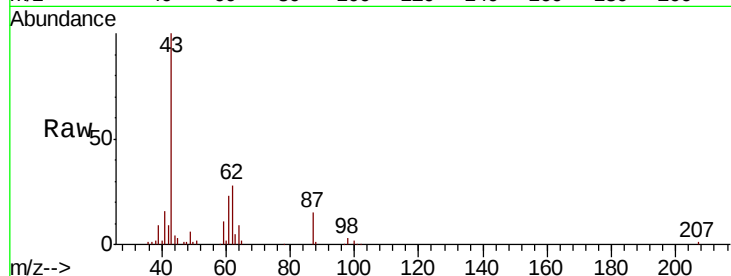
Tot Ion: 43 Resp: 49720

Ion Ratio Lower Upper

43 100

61 32.7 25.5 38.3

87 14.9 11.7 17.5



#44

Trichloroethene

Concen: 21.445 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006172.D

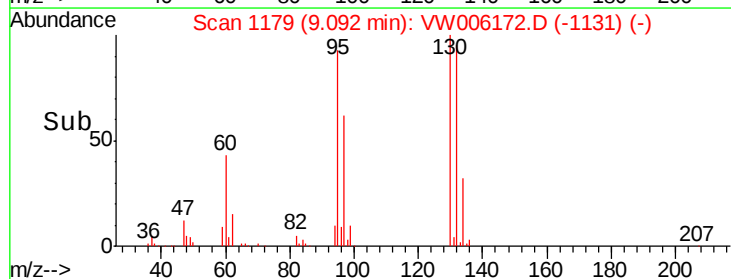
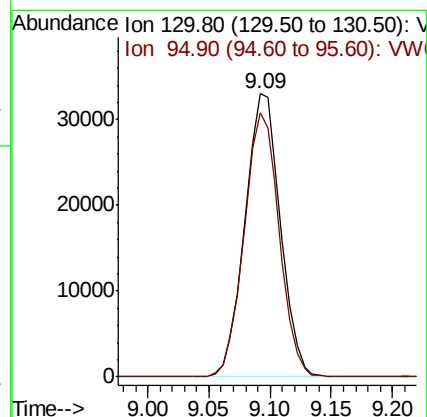
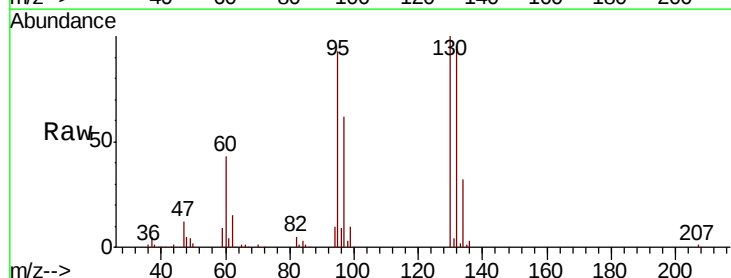
Acq: 18 Oct 2018 13:44

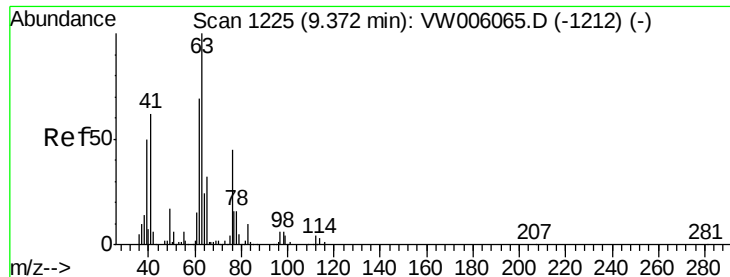
Tgt Ion: 130 Resp: 66388

Ion Ratio Lower Upper

130 100

95 93.4 0.0 183.2

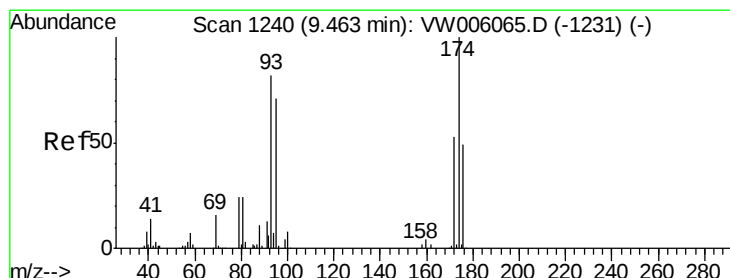
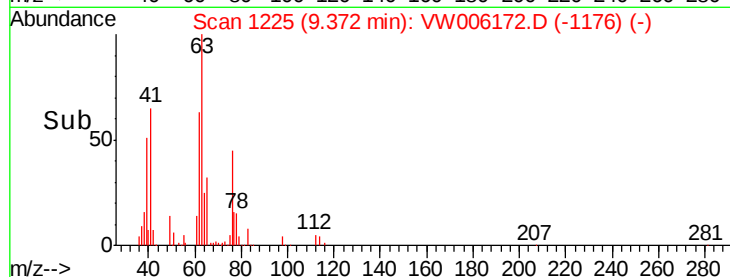
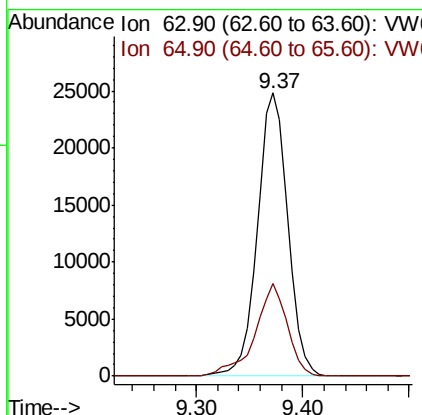
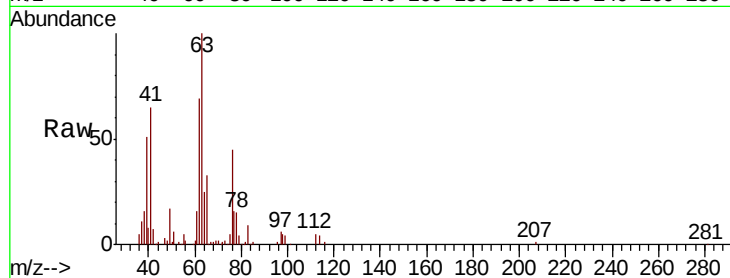




#45
 1,2-Dichloropropane
 Concen: 20.509 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

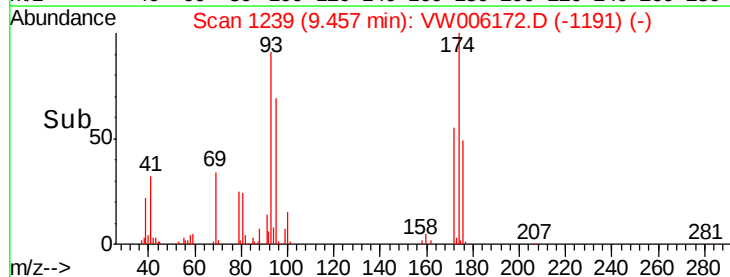
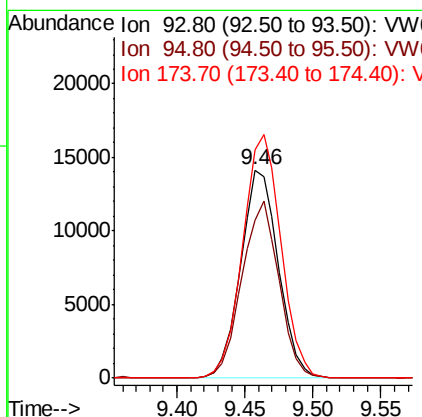
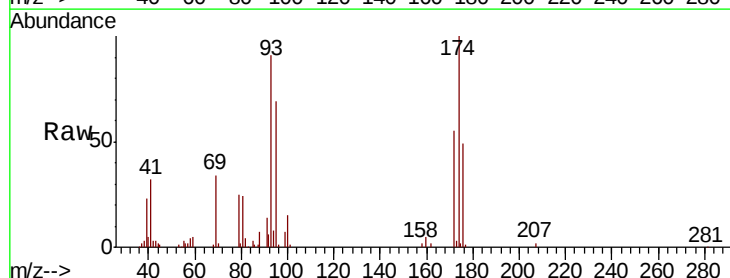
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

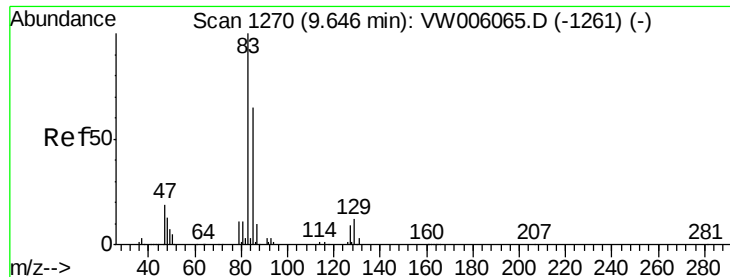
Tot Ion: 63 Resp: 49520
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.0



#46
 Dibromomethane
 Concen: 19.928 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 93 Resp: 27425
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.7 101.5
 174 118.9 93.7 140.5





#47

Bromodichloromethane

Concen: 19.651 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

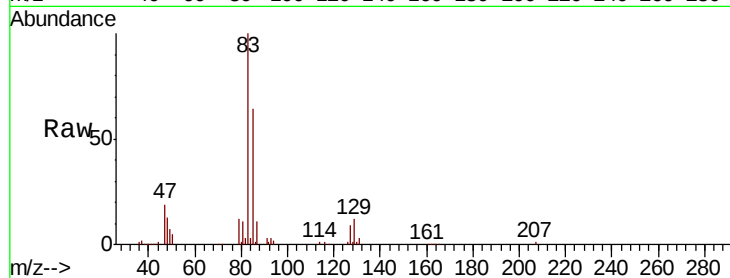
Tot Ion: 83 Resp: 65567

Ion Ratio Lower Upper

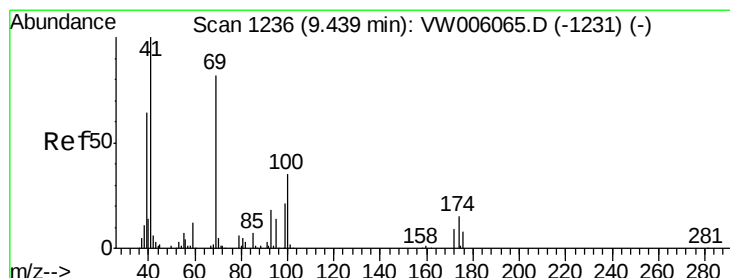
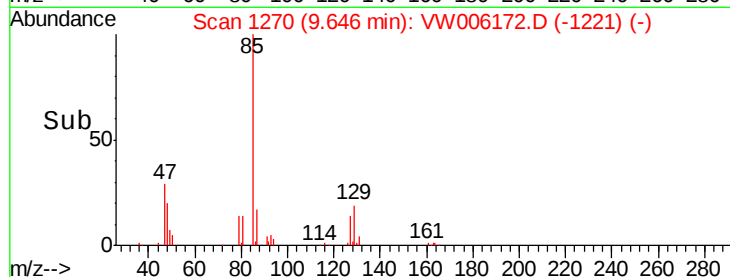
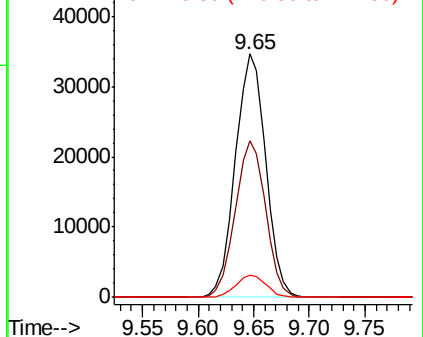
83 100

85 64.4 51.8 77.8

127 8.9 6.9 10.3



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



#48

Methyl methacrylate

Concen: 17.893 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

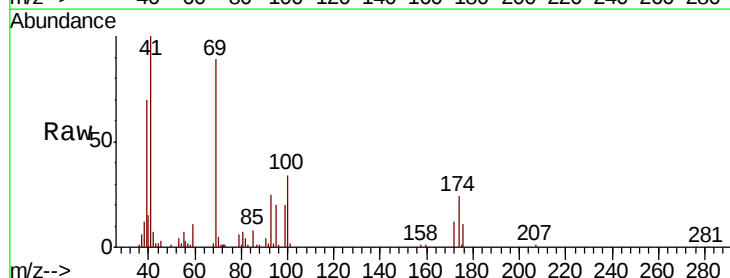
Tgt Ion: 41 Resp: 23702

Ion Ratio Lower Upper

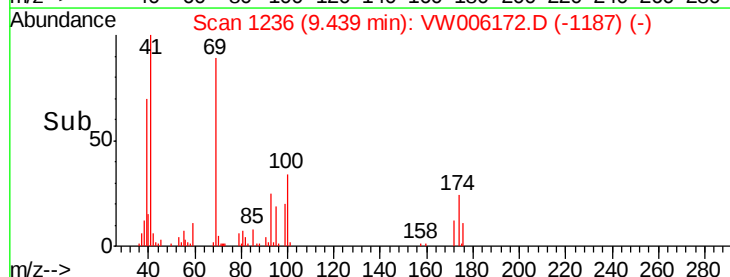
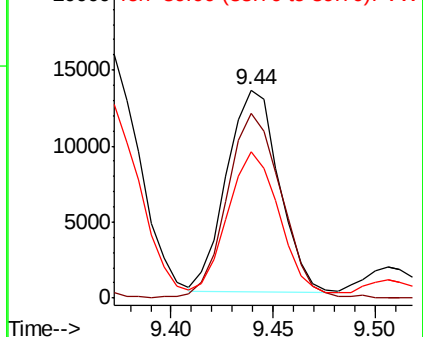
41 100

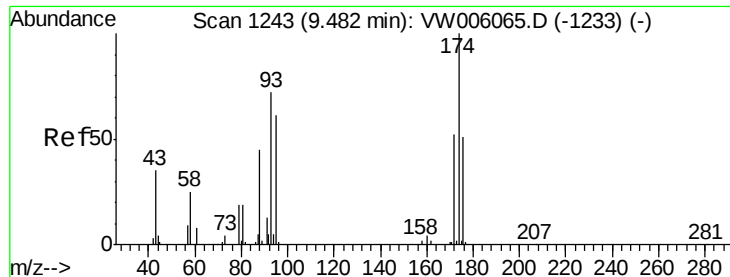
69 95.3 71.8 107.8

39 67.9 52.5 78.7



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: 345.742 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

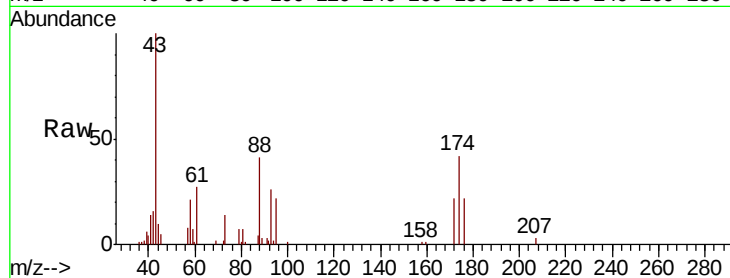
Tot Ion: 88 Resp: 7325

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 63.2 51.2 76.8

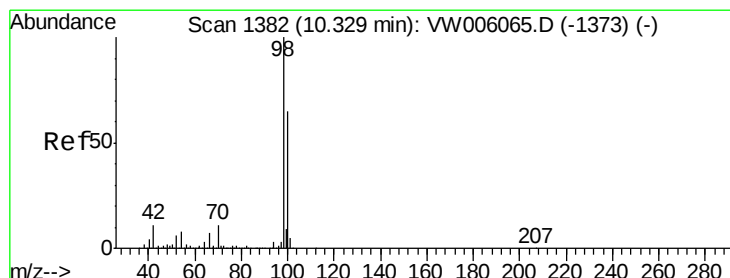
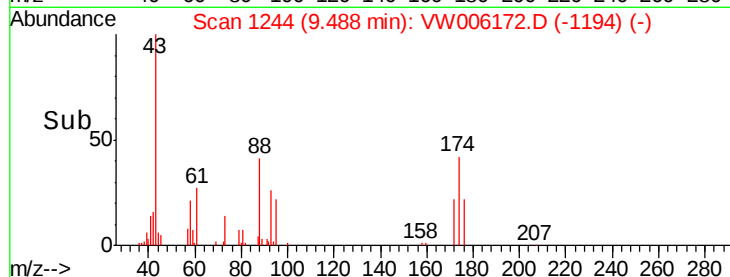
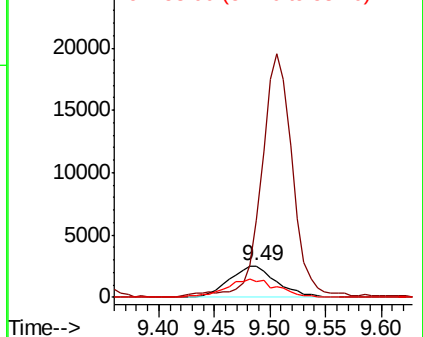


Abundance

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: 49.806 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006172.D

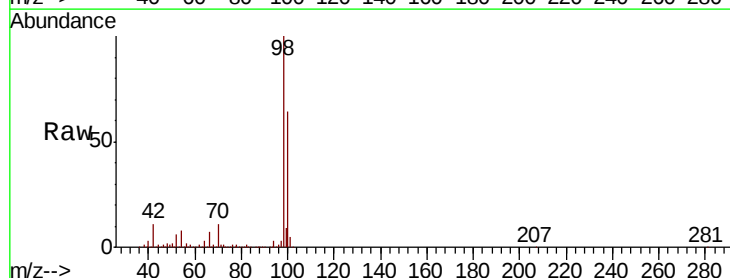
Acq: 18 Oct 2018 13:44

Tgt Ion: 98 Resp: 446858

Ion Ratio Lower Upper

98 100

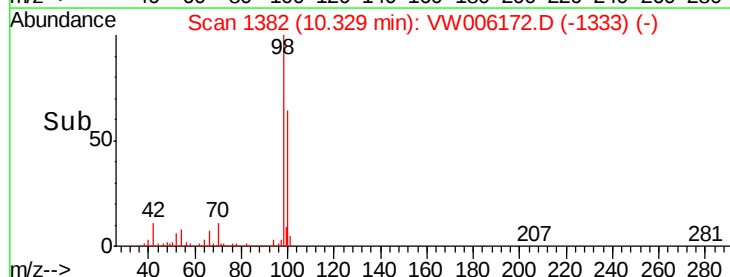
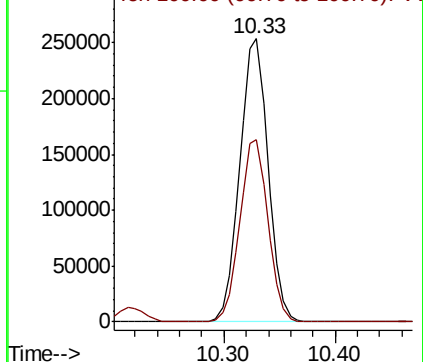
100 64.2 51.6 77.4

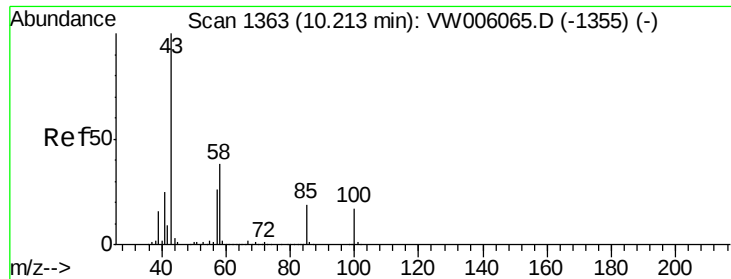


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 89.621 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

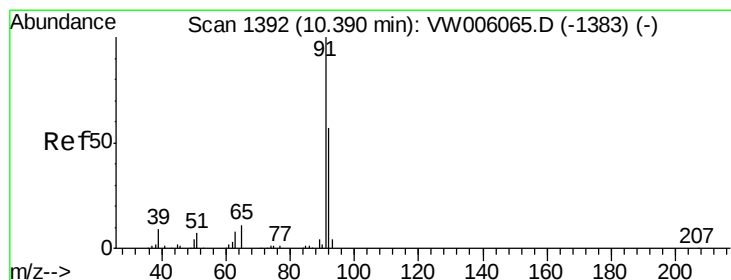
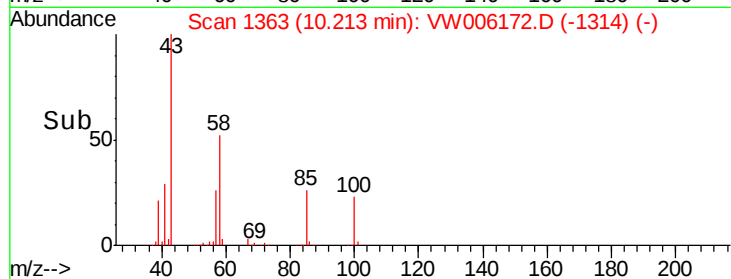
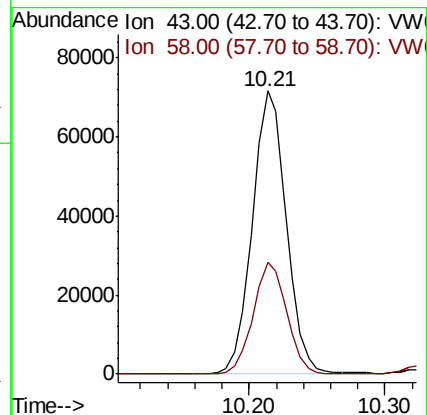
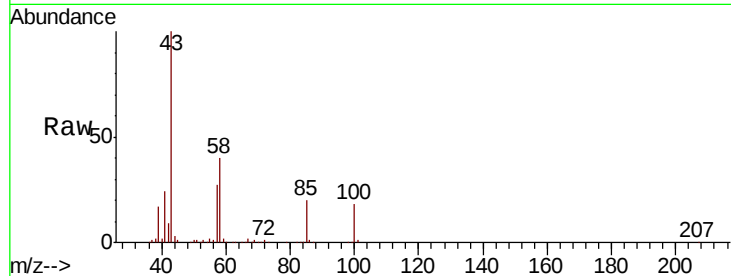
VW1018SBS01

Tot Ion: 43 Resp: 125482

Ion Ratio Lower Upper

43 100

58 39.2 31.5 47.3



#52

Toluene

Concen: 21.116 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006172.D

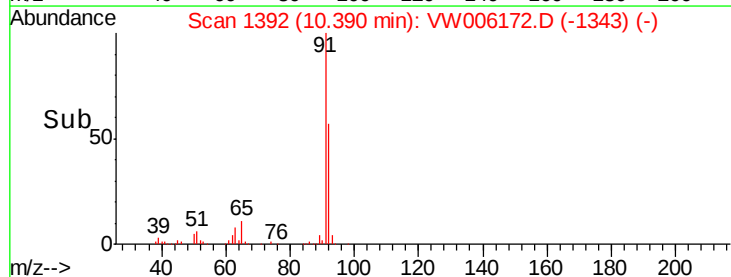
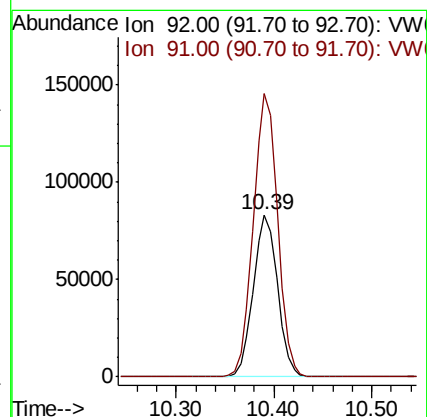
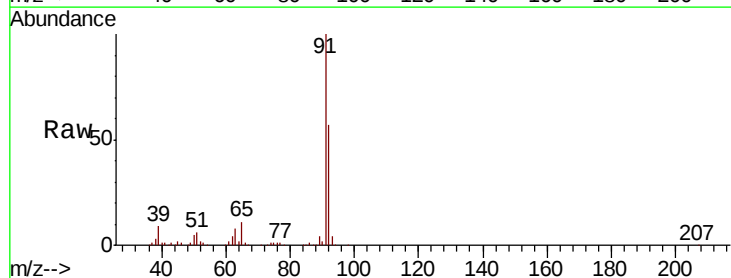
Acq: 18 Oct 2018 13:44

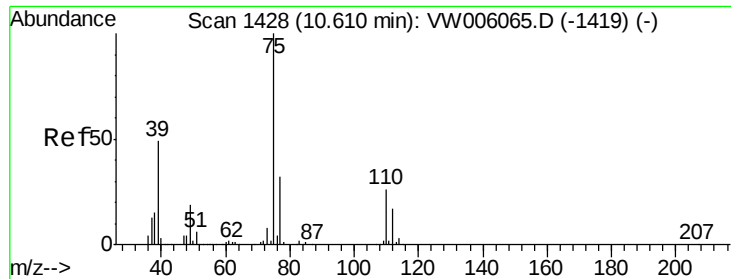
Tgt Ion: 92 Resp: 142849

Ion Ratio Lower Upper

92 100

91 175.6 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 18.506 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

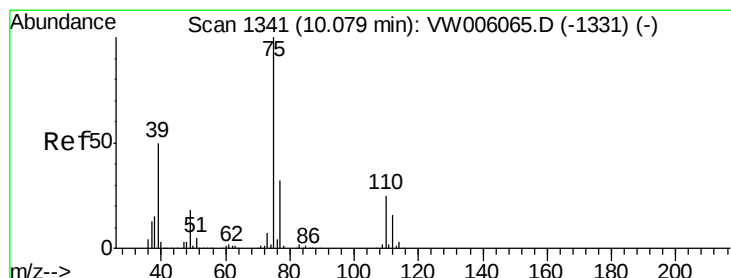
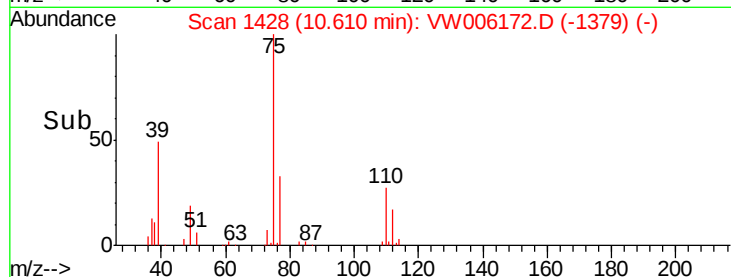
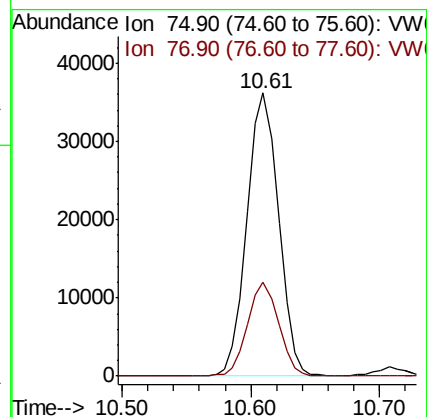
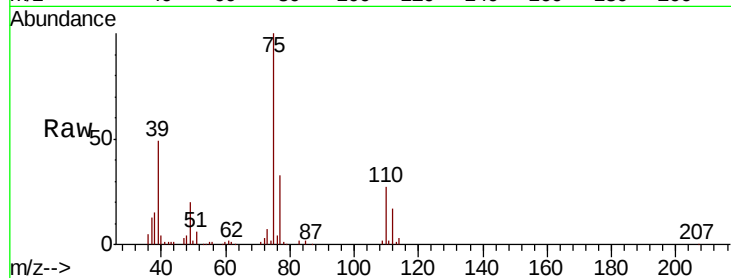
VW1018SBS01

Tot Ion: 75 Resp: 61520

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.435 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

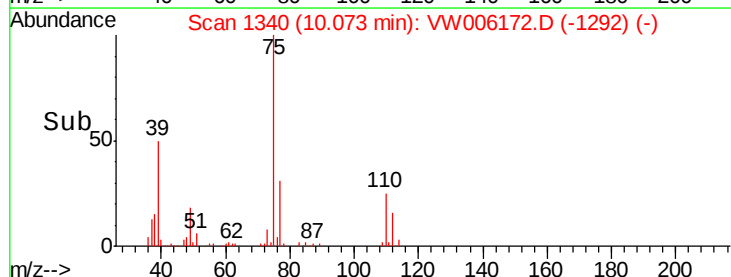
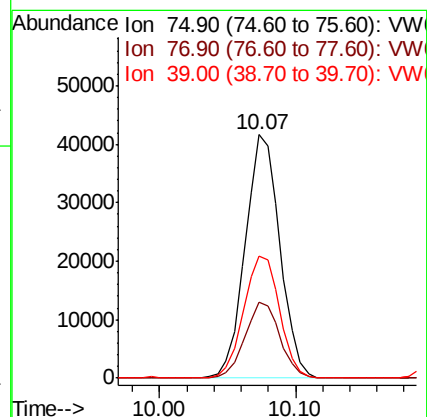
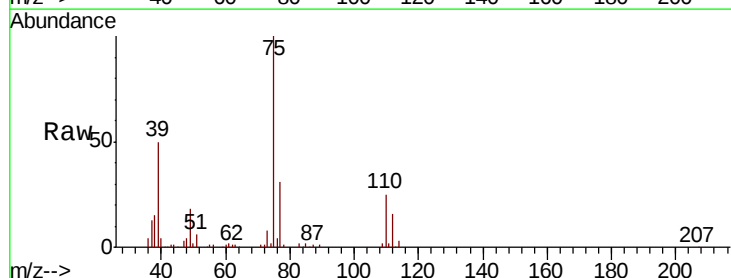
Tgt Ion: 75 Resp: 74151

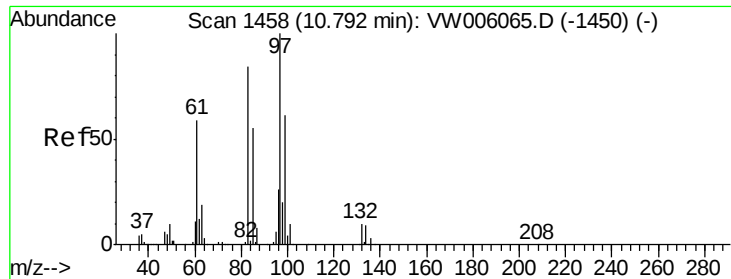
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 49.9 39.9 59.9

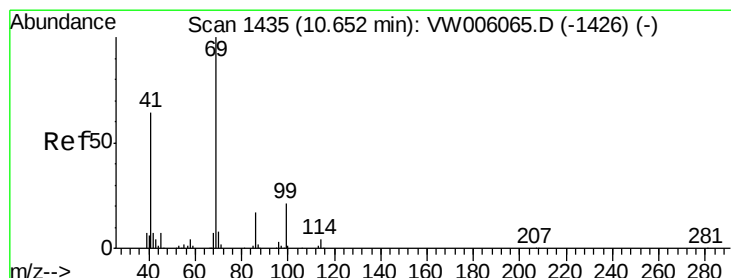
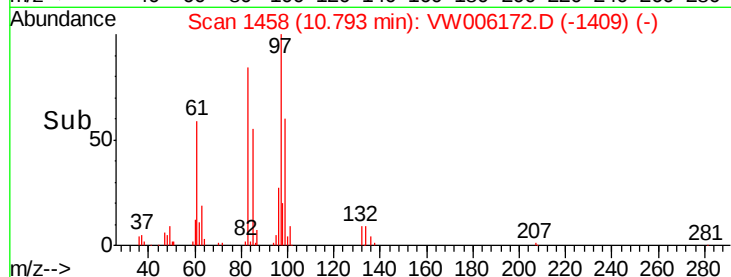
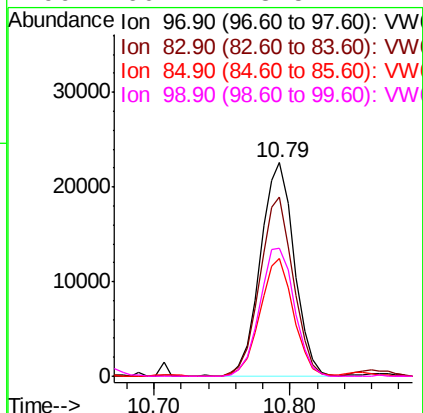
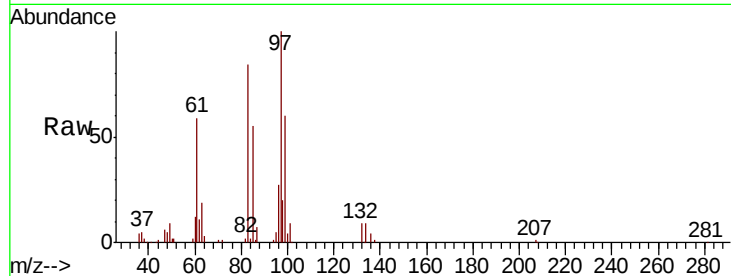




#55
 1,1,2-Trichloroethane
 Concen: 20.444 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

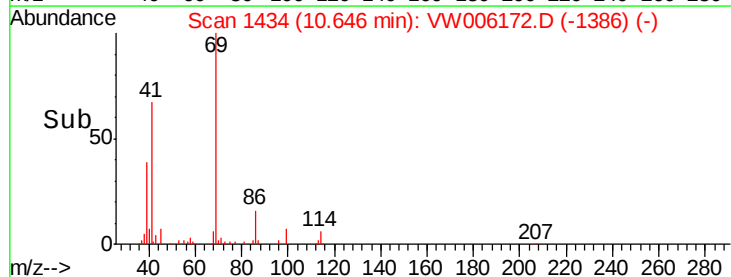
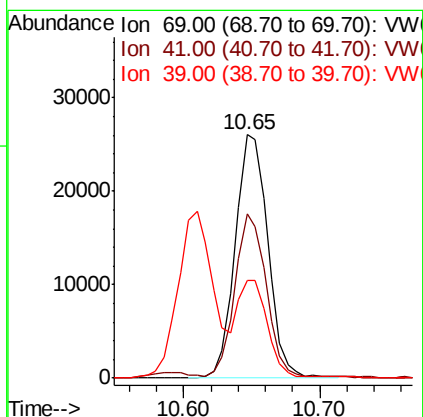
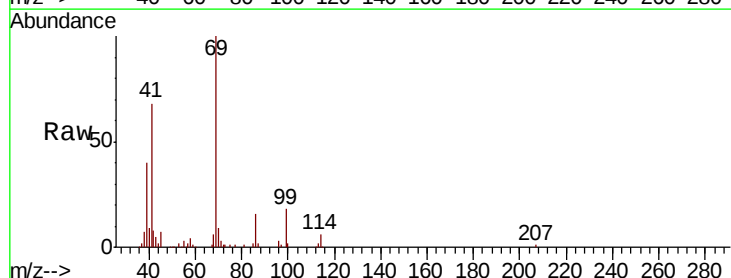
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

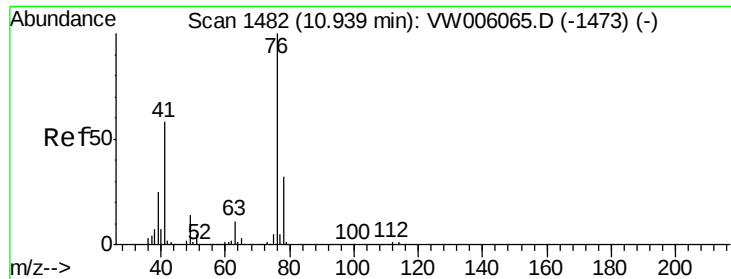
Tot Ion:	97	Resp:	39373
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.2	100.8
85	54.9	43.7	65.5
99	60.1	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 18.498 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion:	69	Resp:	43674
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.8	79.2
39	35.6	30.6	45.8

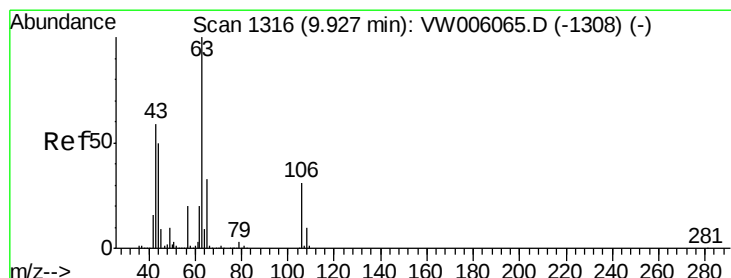
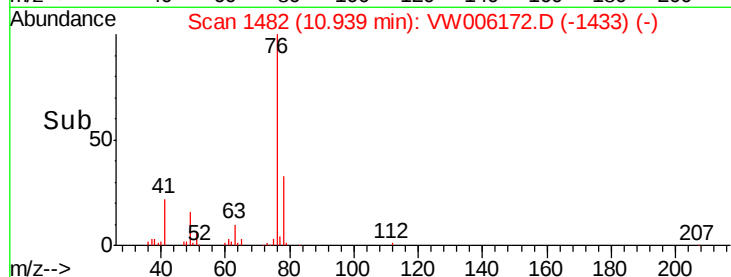
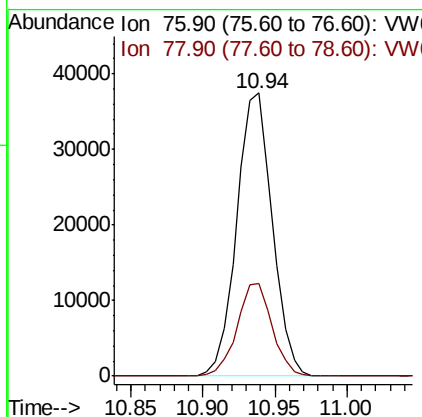
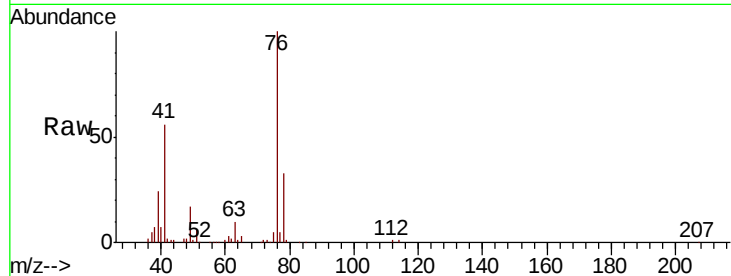




#57
 1,3-Dichloropropane
 Concen: 20.128 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

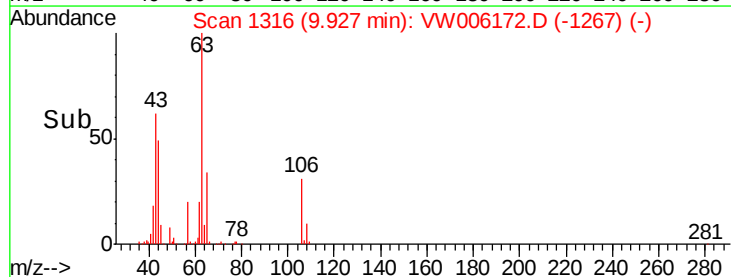
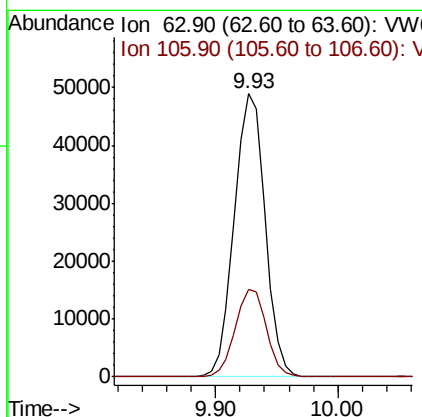
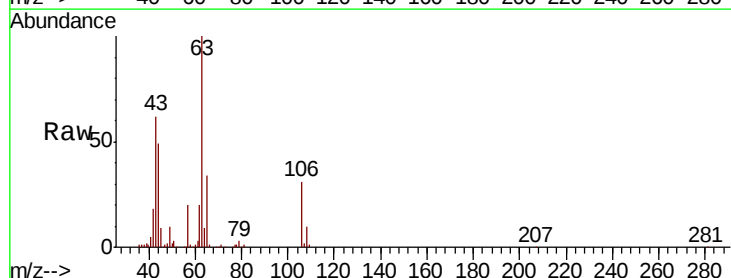
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

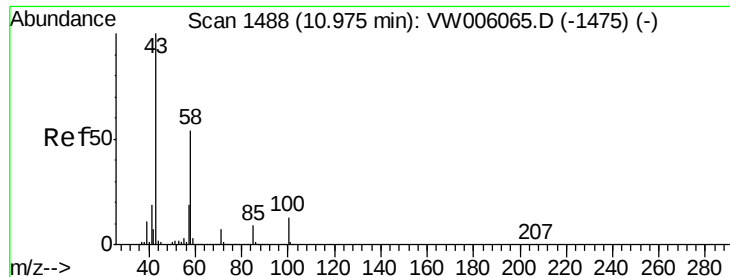
Tot Ion: 76 Resp: 64168
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.442 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 63 Resp: 85200
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7

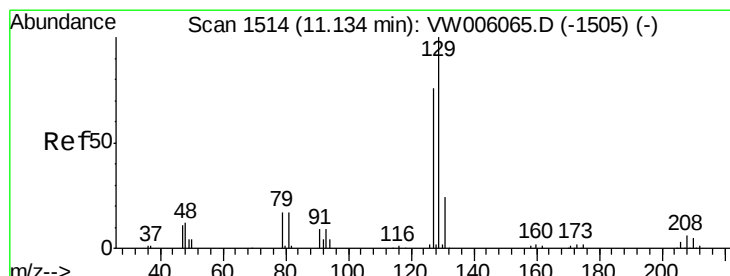
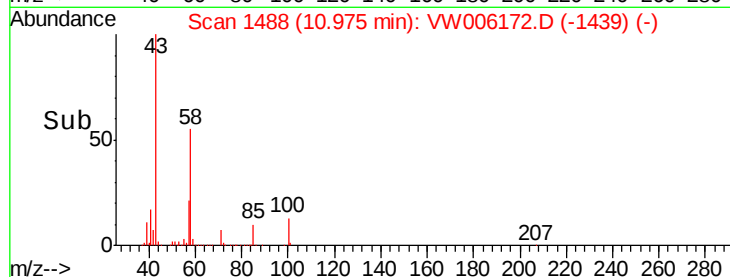
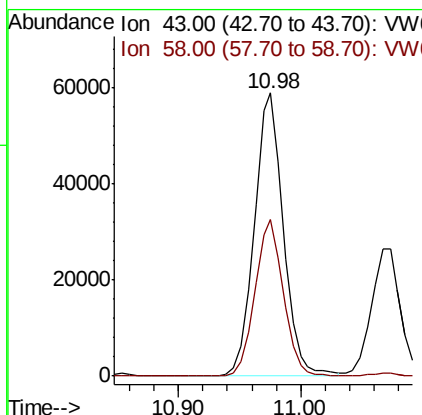
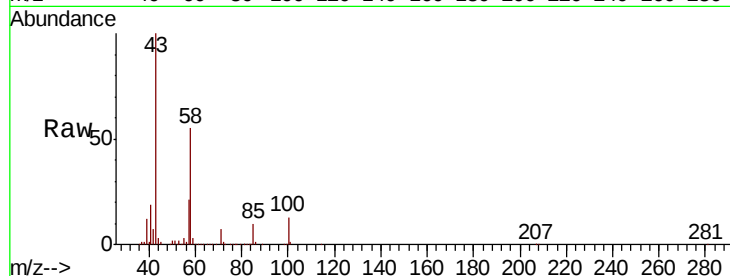




#59
2-Hexanone
Concen: 97.158 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

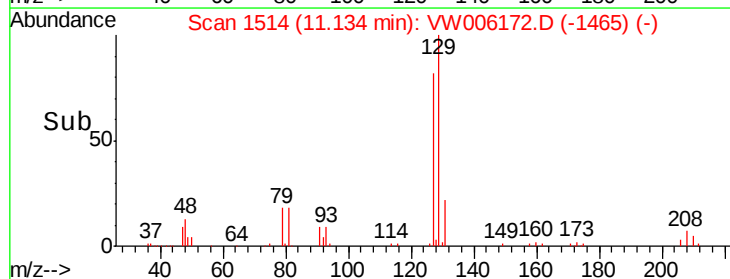
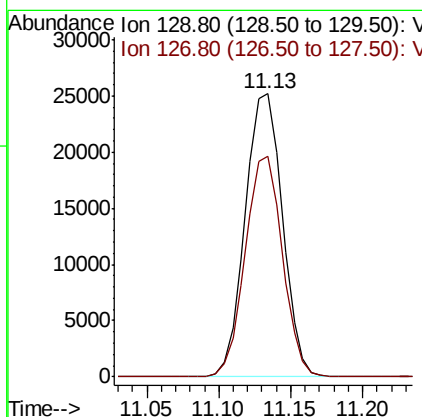
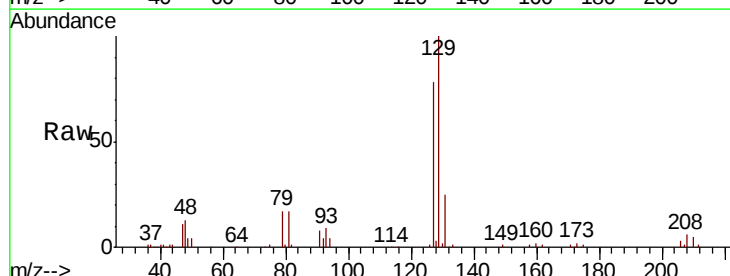
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

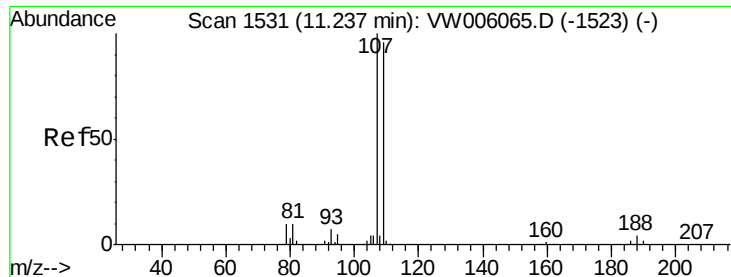
Tot Ion: 43 Resp: 97106
Ion Ratio Lower Upper
43 100
58 54.1 26.9 80.6



#60
Dibromochloromethane
Concen: 18.855 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion: 129 Resp: 45230
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.7

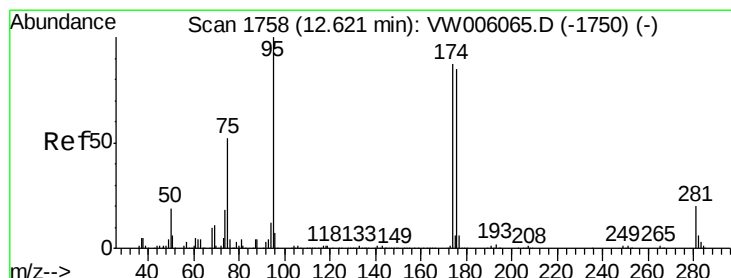
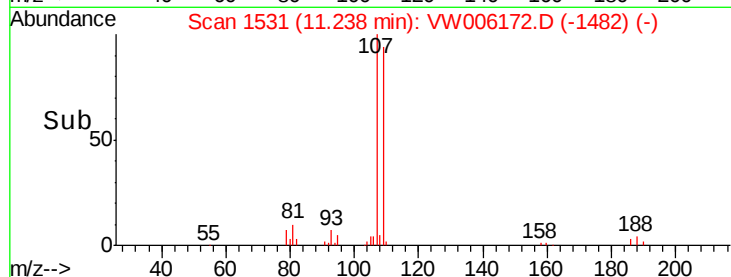
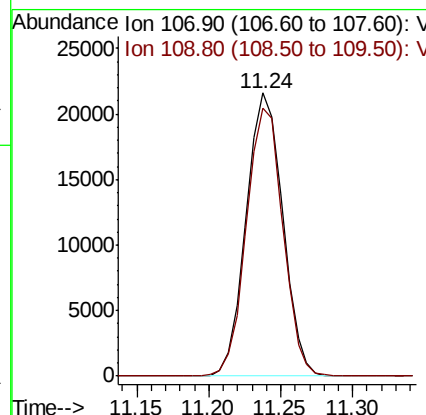
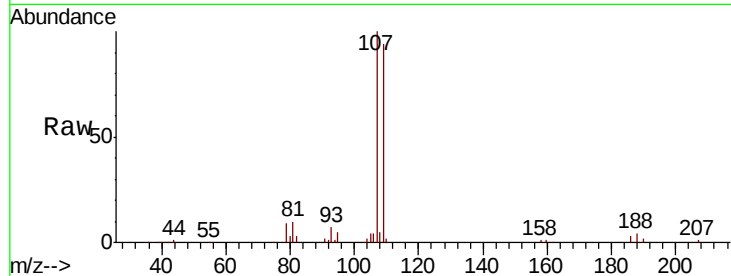




#61
 1,2-Dibromoethane
 Concen: 19.754 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

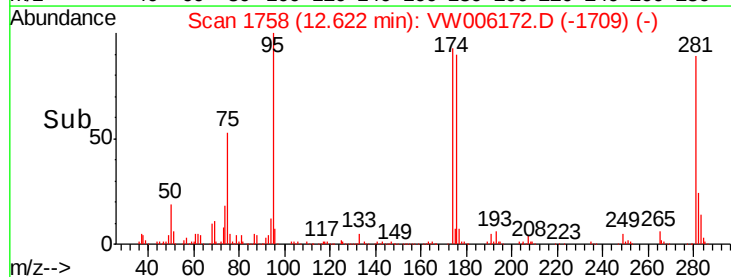
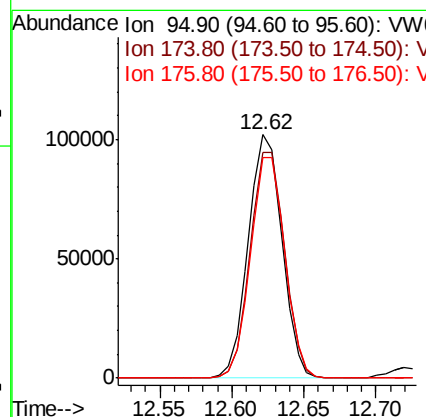
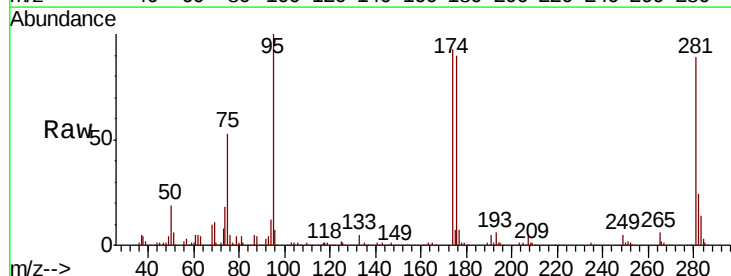
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

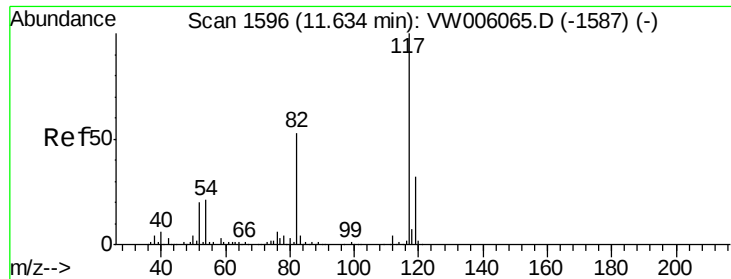
Tot Ion:107 Resp: 38012
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.131 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion: 95 Resp: 165560
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 186.0
 176 92.1 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

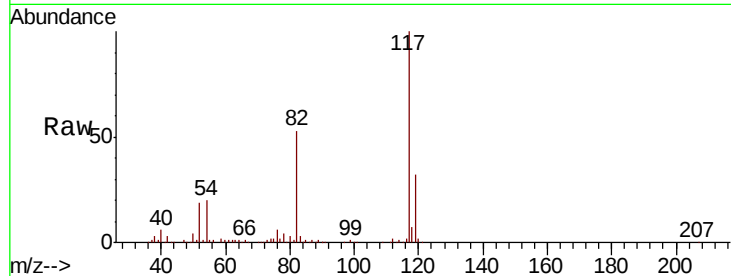
Tot Ion:117 Resp: 358602

Ion Ratio Lower Upper

117 100

82 52.9 42.1 63.1

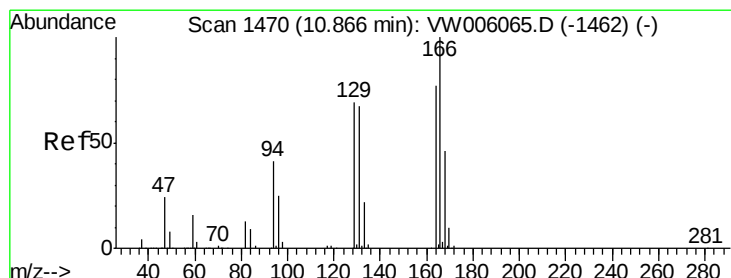
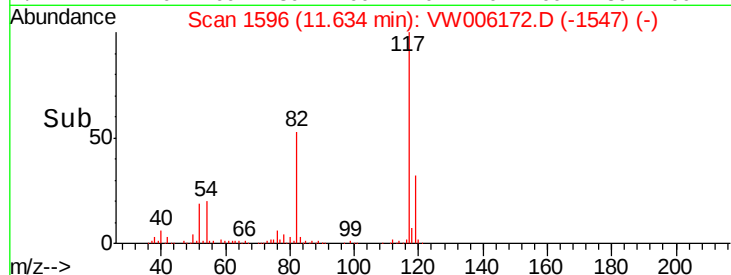
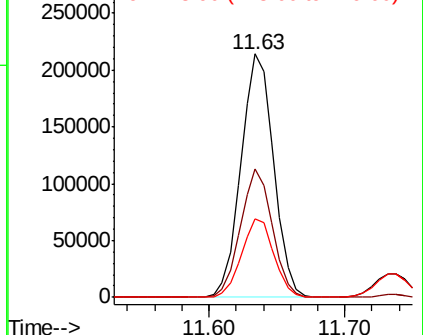
119 32.3 25.8 38.6



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: 21.619 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Tgt Ion:164 Resp: 60185

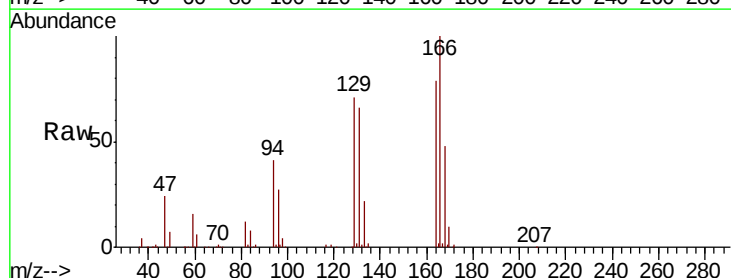
Ion Ratio Lower Upper

164 100

166 126.7 103.4 155.0

129 89.5 71.8 107.8

131 83.9 69.5 104.3

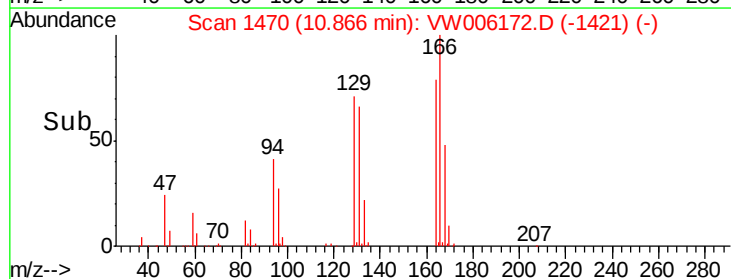
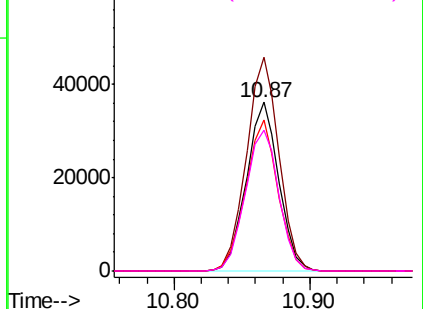


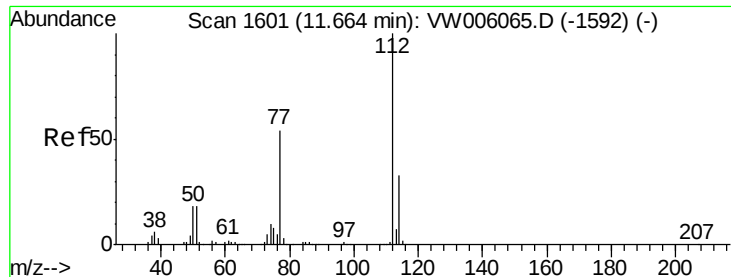
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.494 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

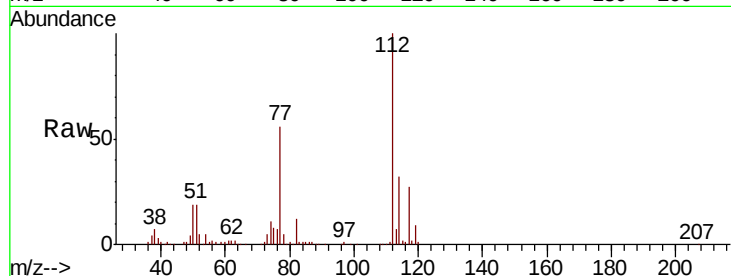
VW1018SBS01

Tot Ion:112 Resp: 165001

Ion Ratio Lower Upper

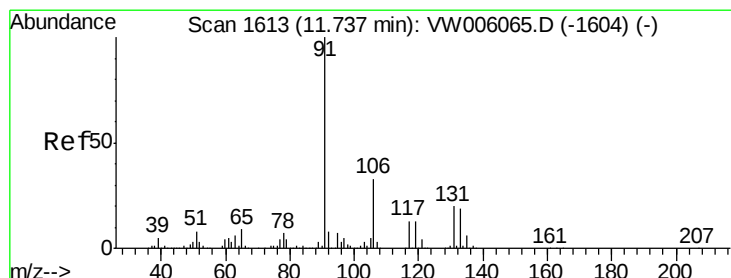
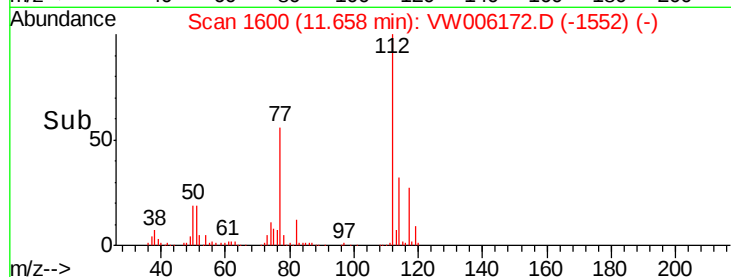
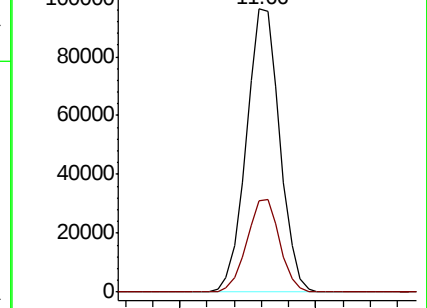
112 100

114 32.3 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.661 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

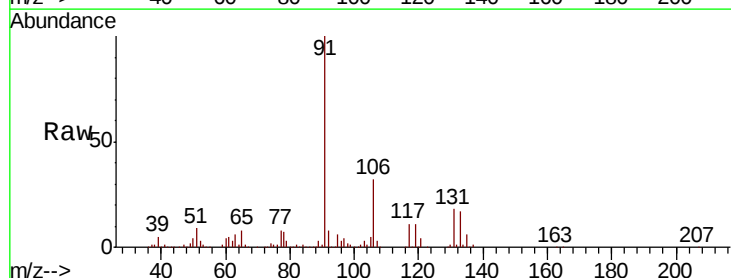
Tgt Ion:131 Resp: 56367

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.3

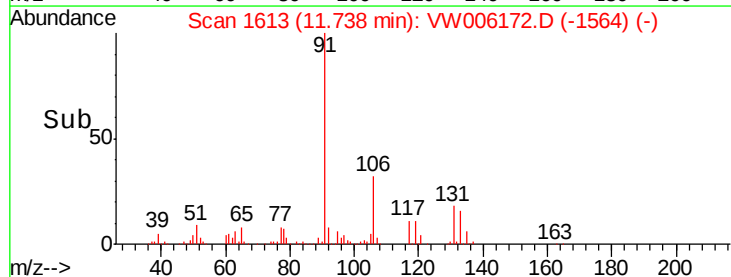
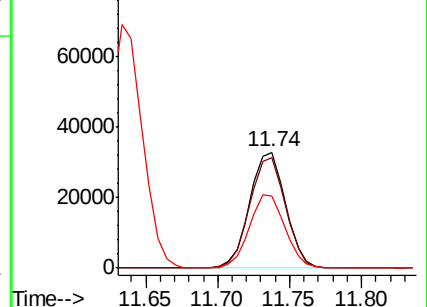
119 63.2 31.6 94.7

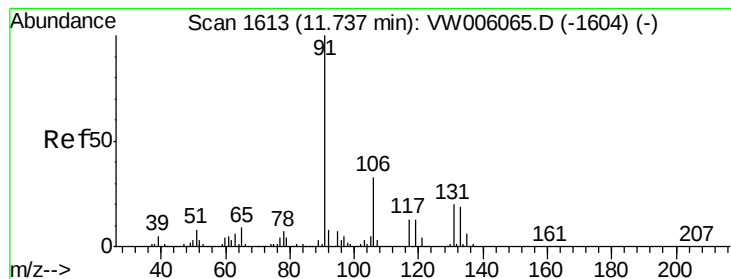


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.836 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

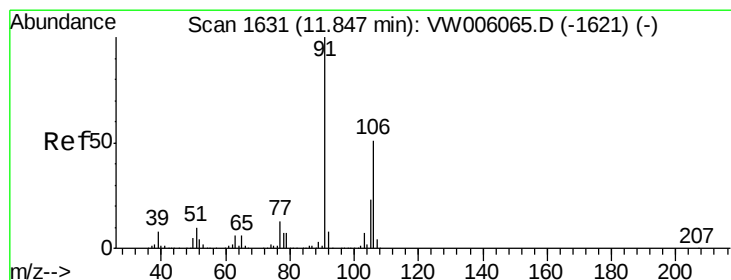
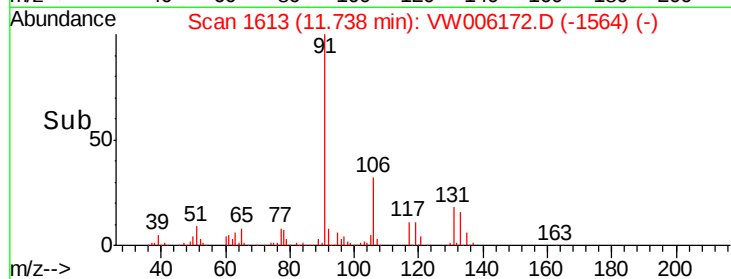
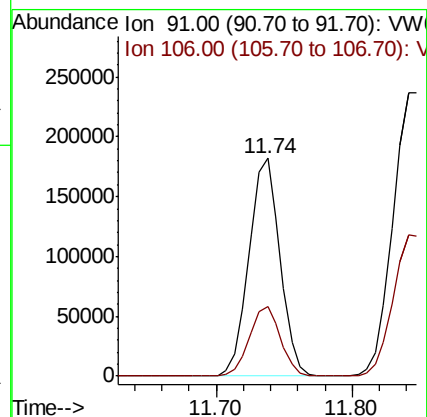
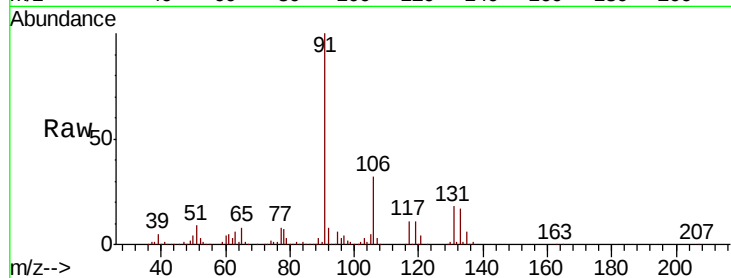
VW1018SBS01

Tot Ion: 91 Resp: 290496

Ion Ratio Lower Upper

91 100

106 31.8 26.1 39.1



#68

m/p-Xylenes

Concen: 43.508 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006172.D

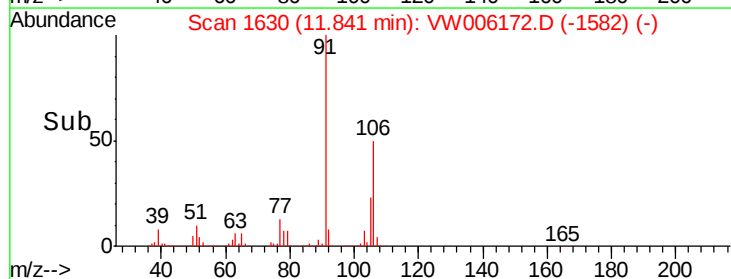
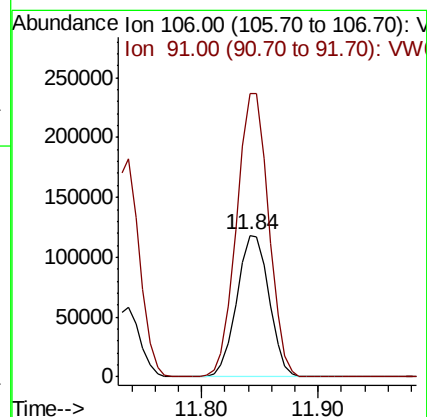
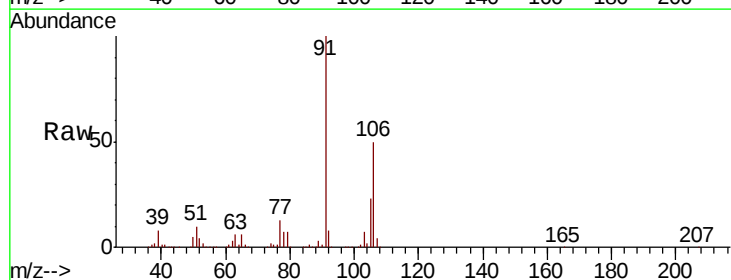
Acq: 18 Oct 2018 13:44

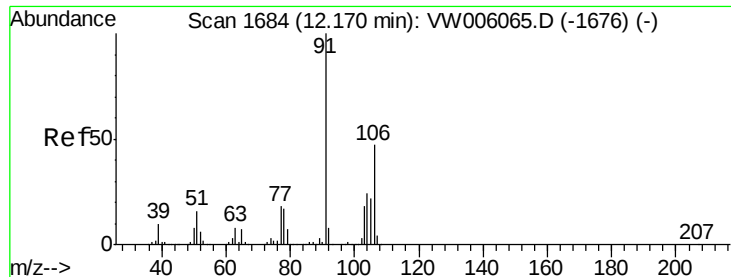
Tgt Ion:106 Resp: 228783

Ion Ratio Lower Upper

106 100

91 199.1 159.1 238.7

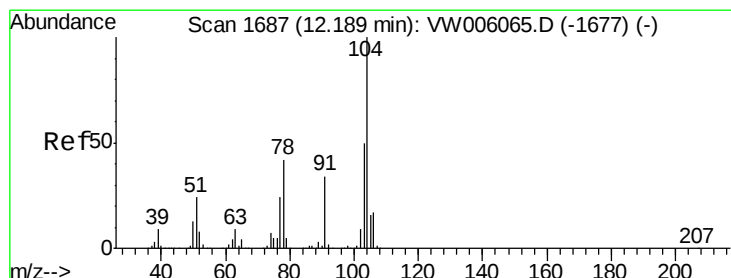
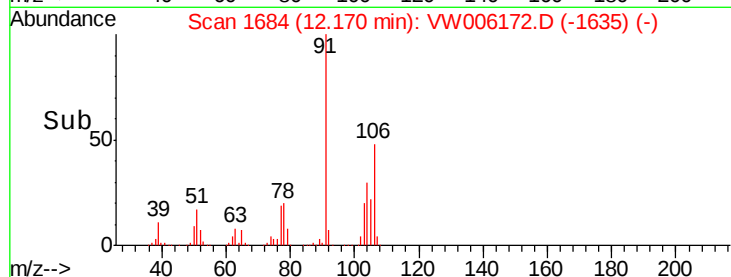
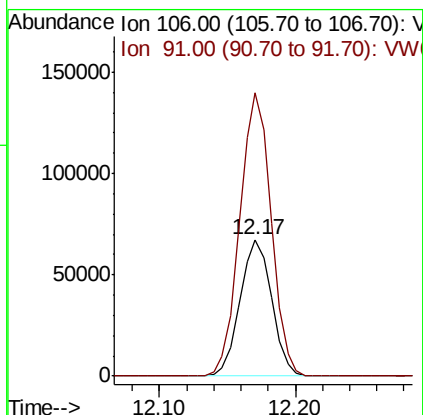
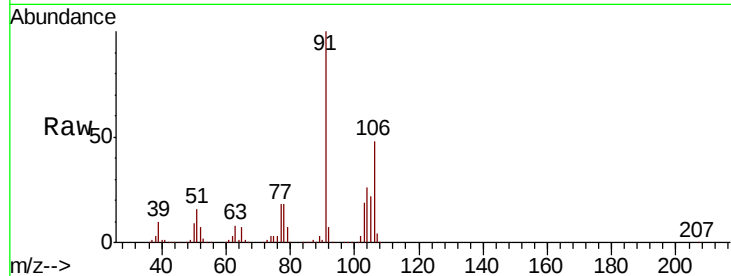




#69
o-Xylene
Concen: 21.762 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

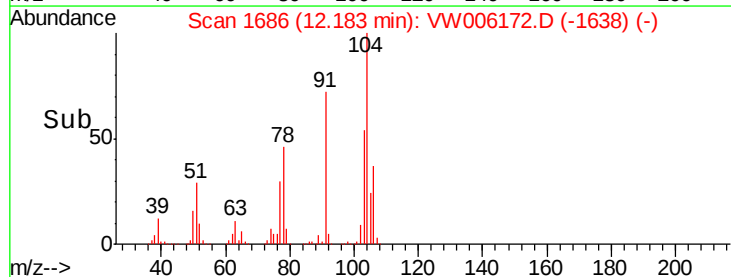
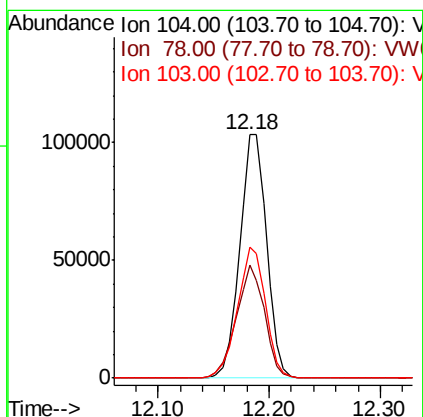
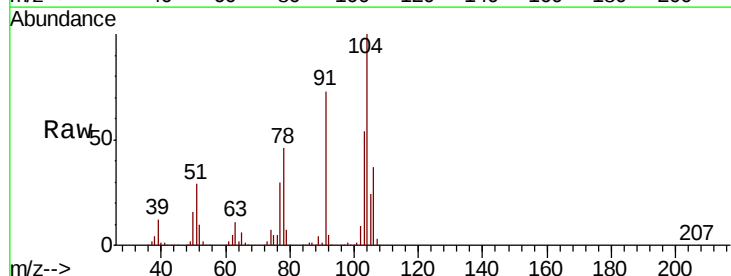
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

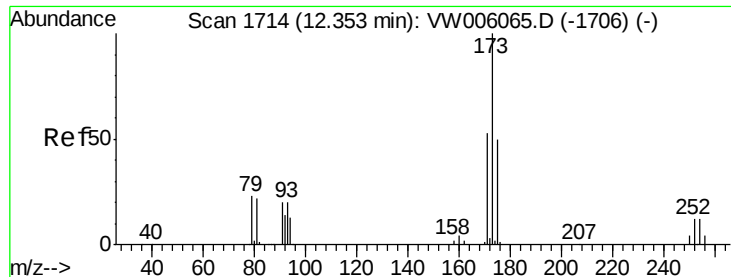
Tot Ion:106 Resp: 109056
Ion Ratio Lower Upper
106 100
91 206.6 105.4 316.1



#70
Styrene
Concen: 21.177 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion:104 Resp: 172572
Ion Ratio Lower Upper
104 100
78 48.4 39.1 58.7
103 56.0 44.3 66.5





#71

Bromoform

Concen: 16.939 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

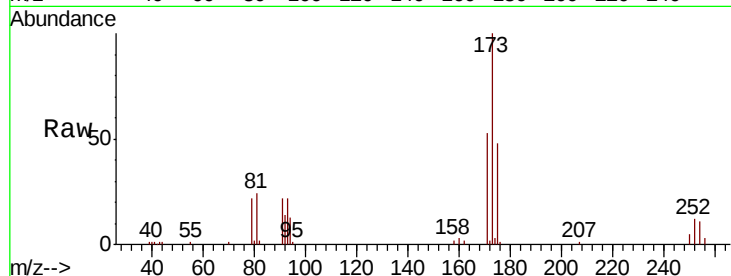
Tot Ion:173 Resp: 25776

Ion Ratio Lower Upper

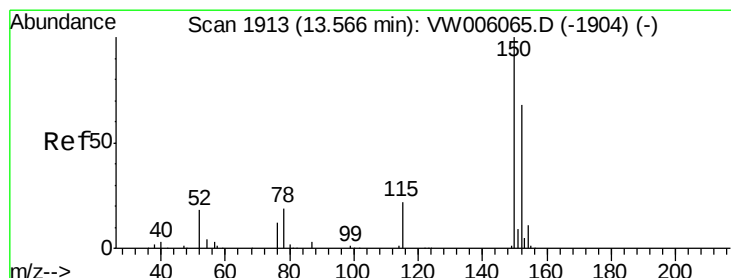
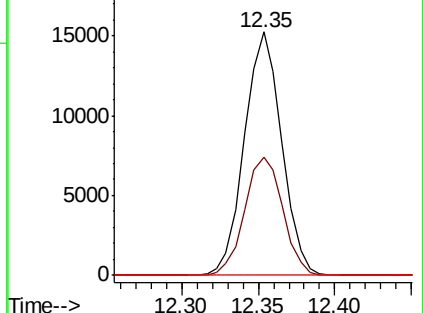
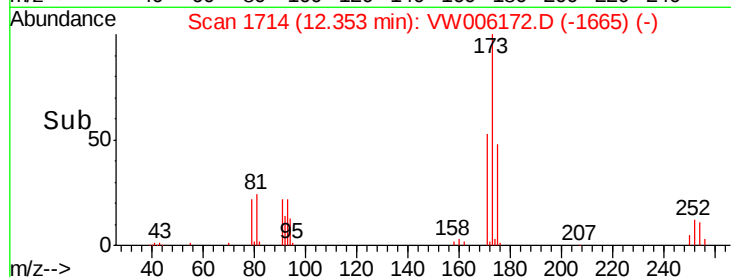
173 100

175 49.5 24.2 72.6

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# 1913

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

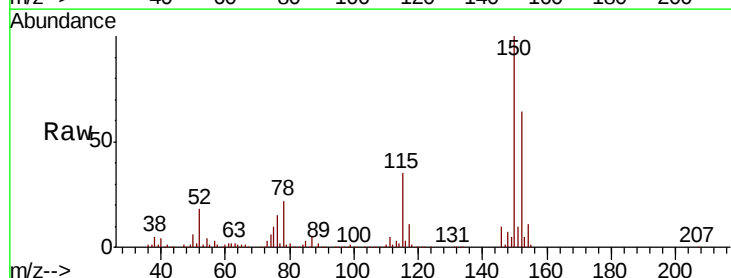
Tgt Ion:152 Resp: 199132

Ion Ratio Lower Upper

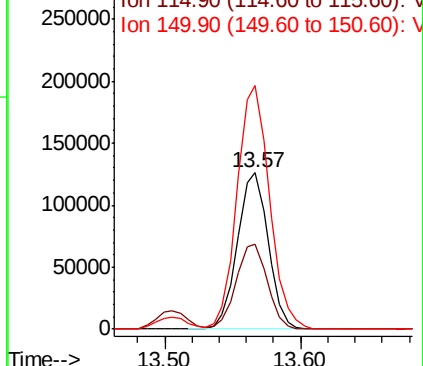
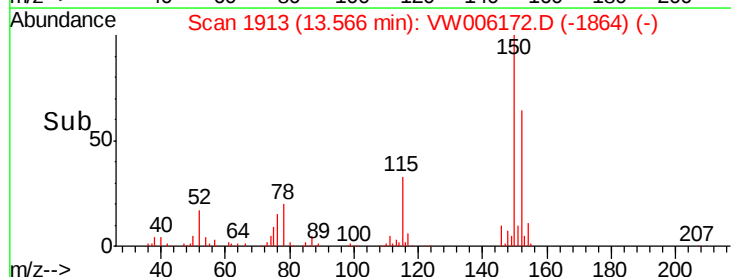
152 100

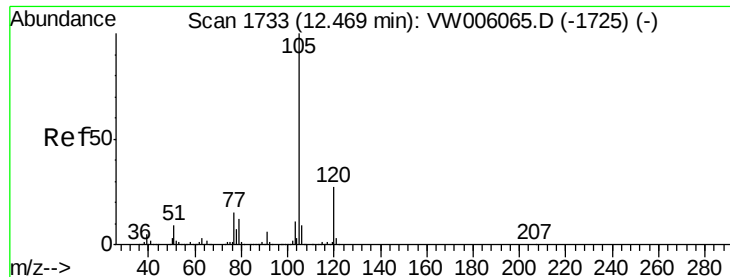
115 54.7 27.8 83.3

150 164.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.980 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

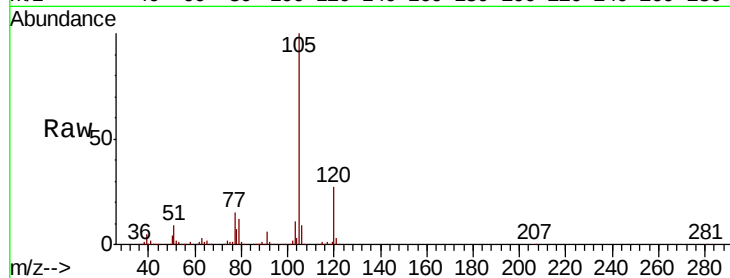
VW1018SBS01

Tot Ion: 105 Resp: 309221

Ion Ratio Lower Upper

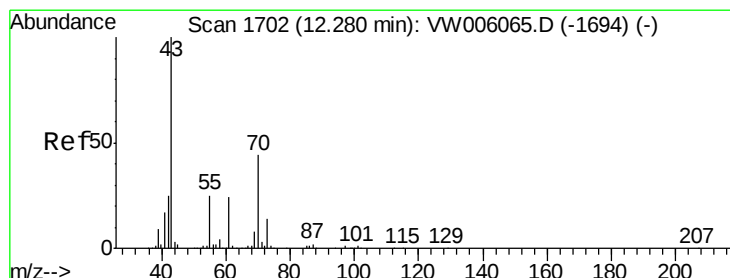
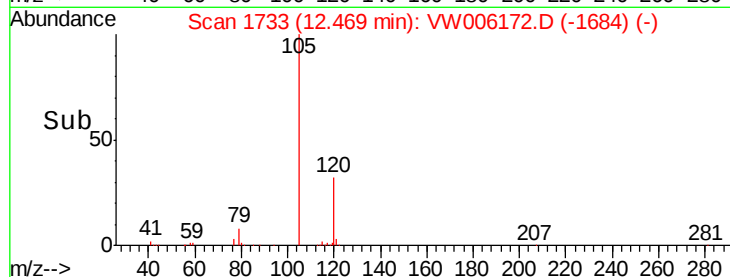
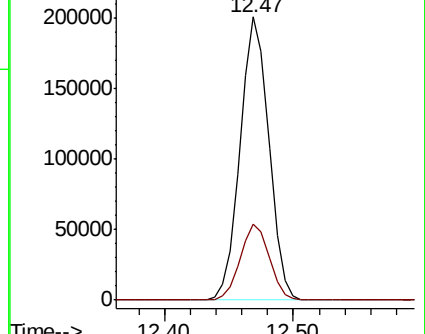
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.004 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Tgt Ion: 43 Resp: 49194

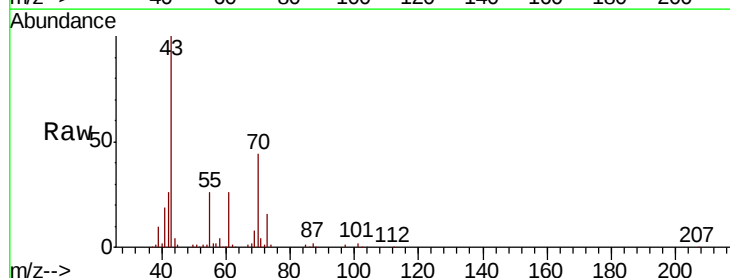
Ion Ratio Lower Upper

43 100

70 44.5 34.2 51.4

55 24.7 19.2 28.8

61 24.8 19.0 28.6

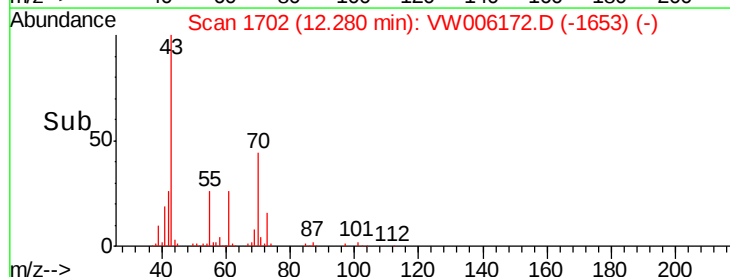
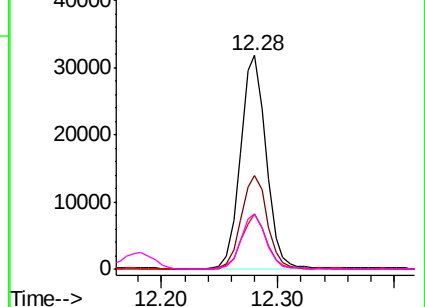


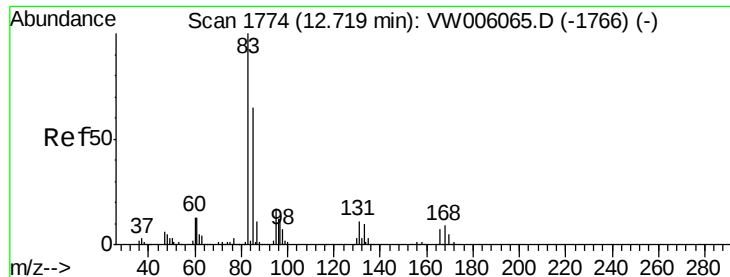
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.632 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

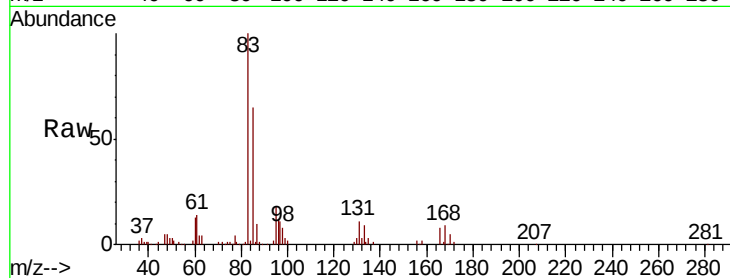
Tot Ion: 83 Resp: 42007

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.7

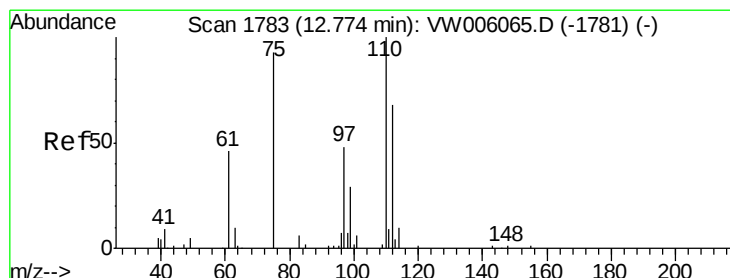
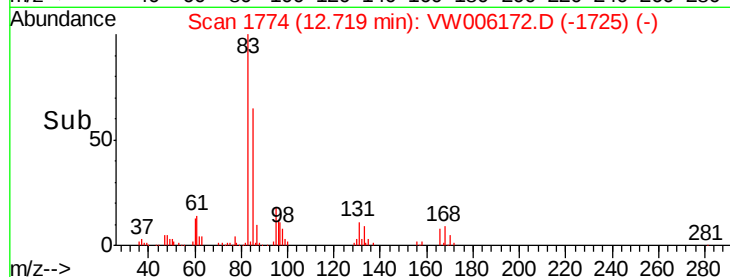
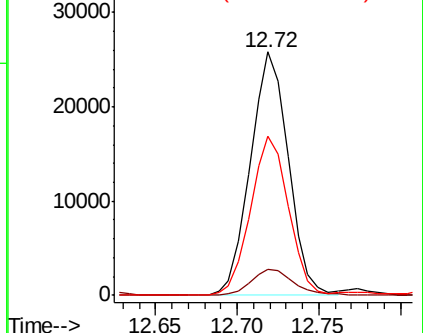
85 65.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.361 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006172.D

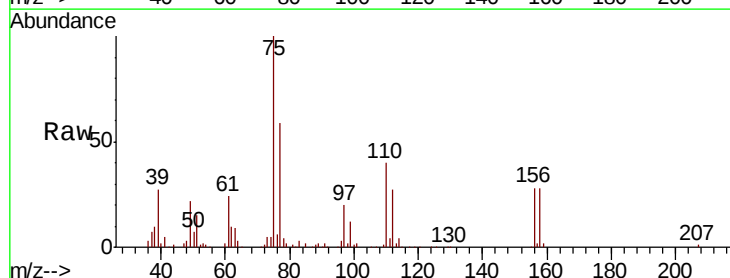
Acq: 18 Oct 2018 13:44

Tgt Ion: 75 Resp: 53783

Ion Ratio Lower Upper

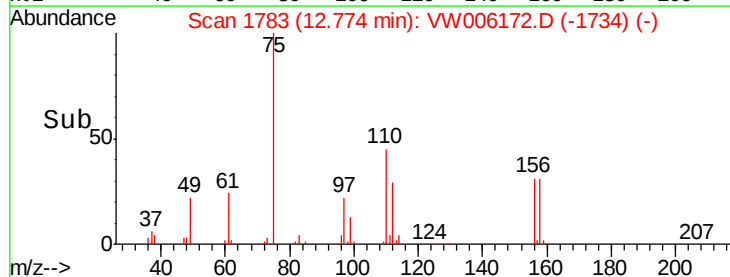
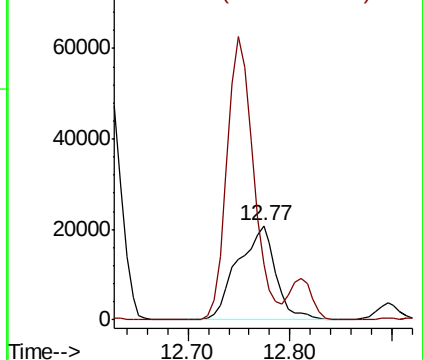
75 100

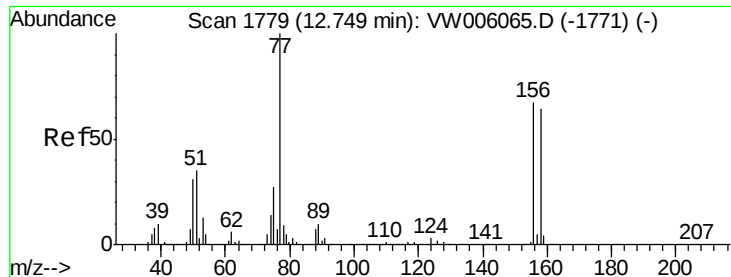
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.459 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

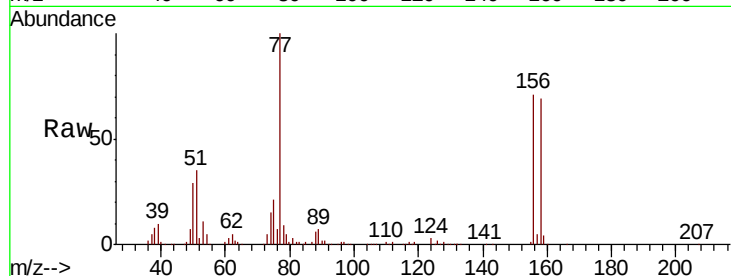
Tot Ion:156 Resp: 73942

Ion Ratio Lower Upper

156 100

77 153.6 79.1 237.4

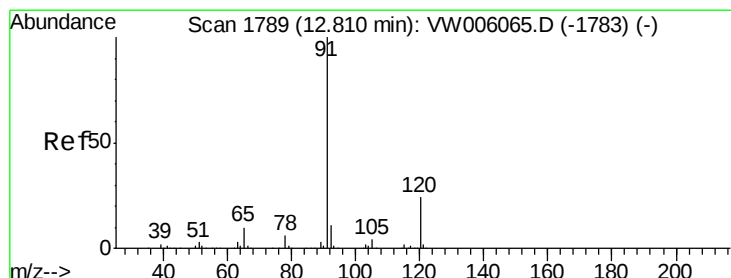
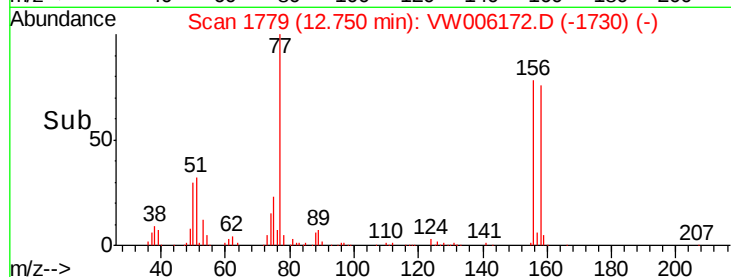
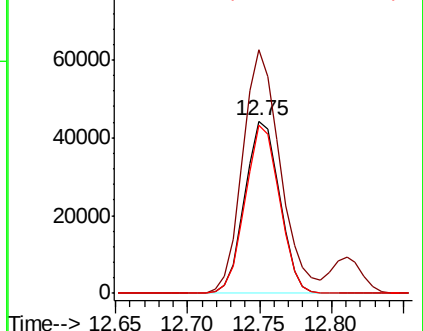
158 96.0 48.5 145.6



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: 21.992 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006172.D

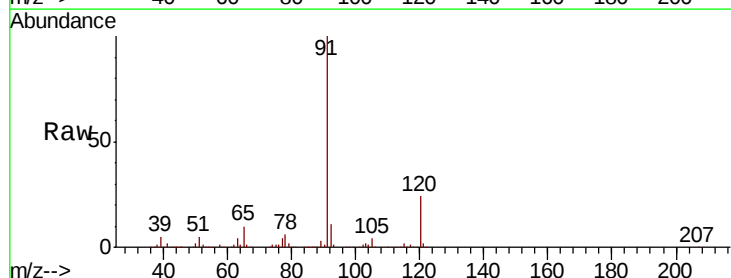
Acq: 18 Oct 2018 13:44

Tgt Ion: 91 Resp: 359950

Ion Ratio Lower Upper

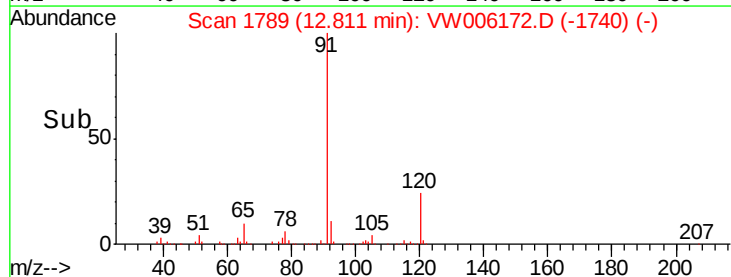
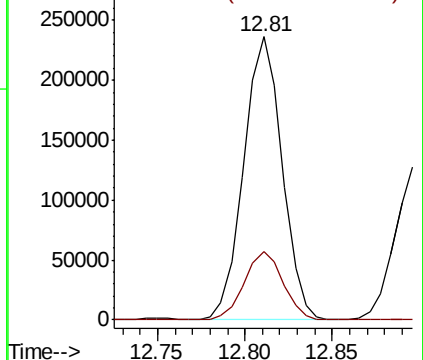
91 100

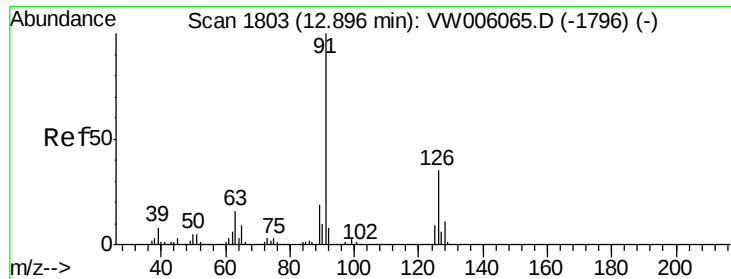
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.762 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

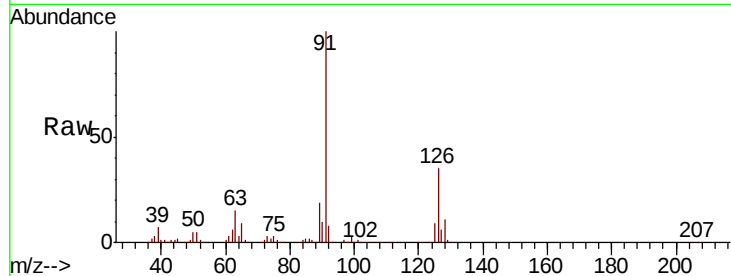
VW1018SBS01

Tot Ion: 91 Resp: 200122

Ion Ratio Lower Upper

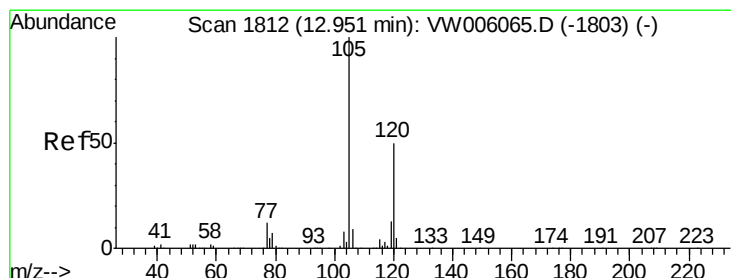
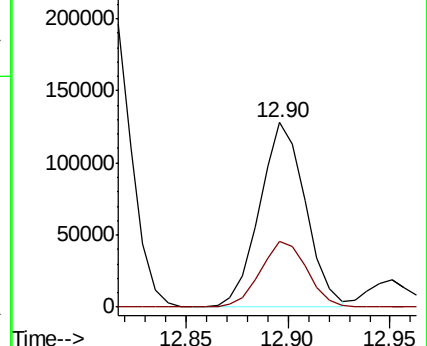
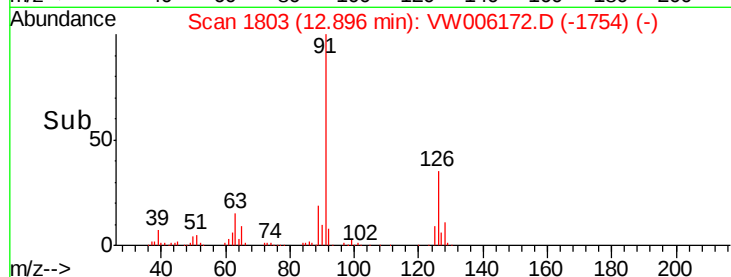
91 100

126 36.4 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.807 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006172.D

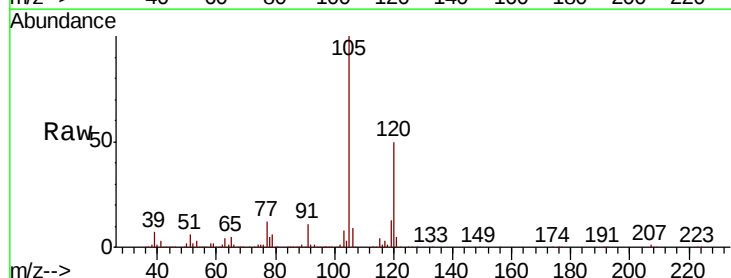
Acq: 18 Oct 2018 13:44

Tgt Ion:105 Resp: 258624

Ion Ratio Lower Upper

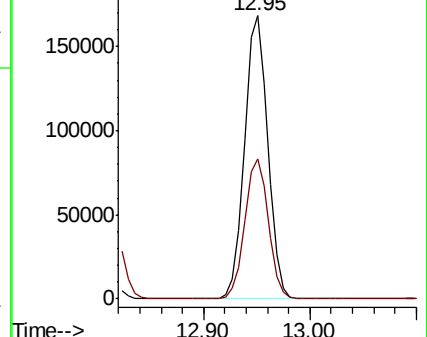
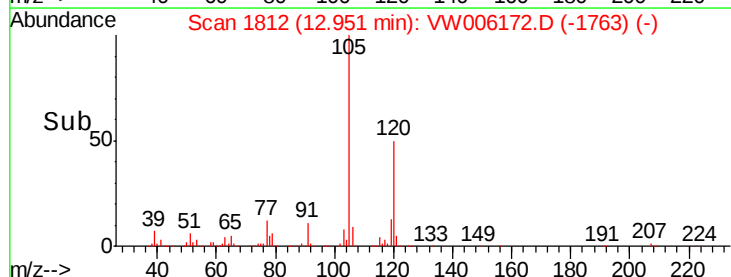
105 100

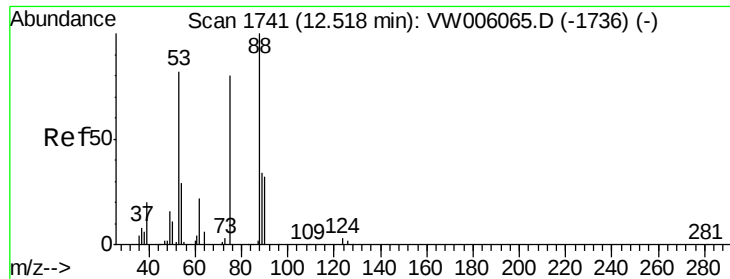
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.930 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

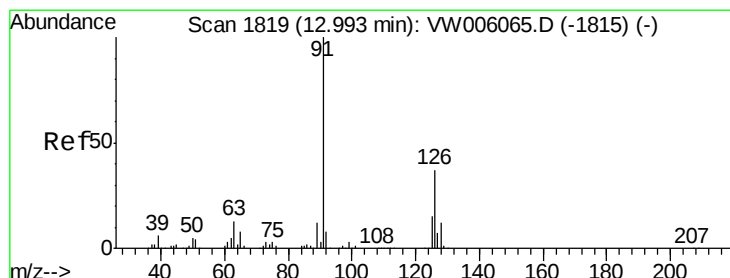
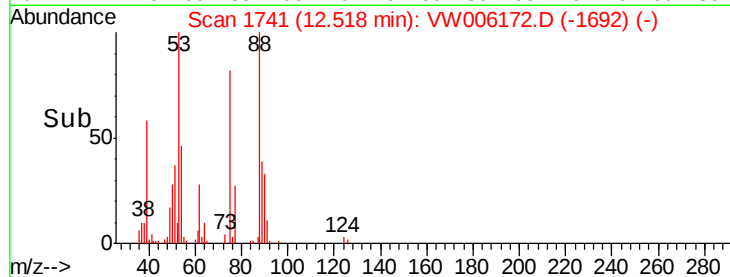
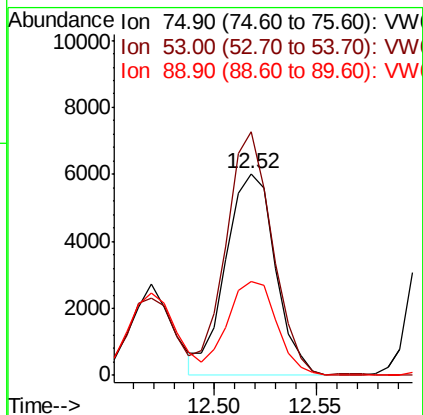
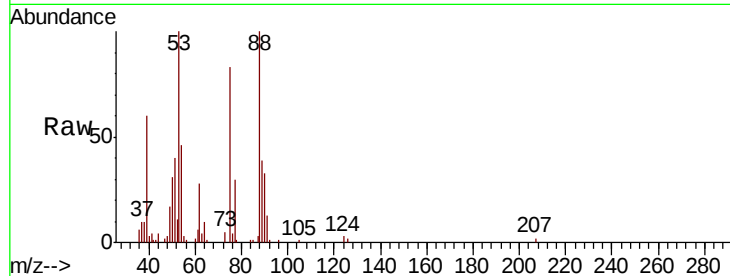
Tot Ion: 75 Resp: 10136

Ion Ratio Lower Upper

75 100

53 113.2 79.8 119.6

89 46.2 37.5 56.3



#82

4-Chlorotoluene

Concen: 21.883 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006172.D

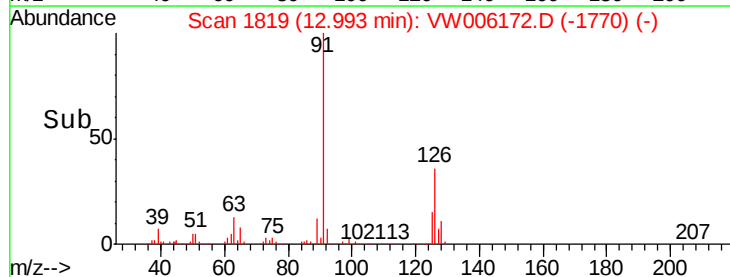
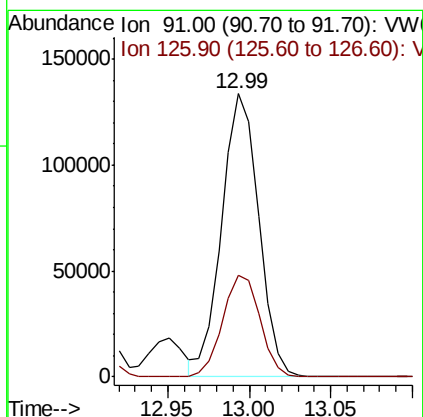
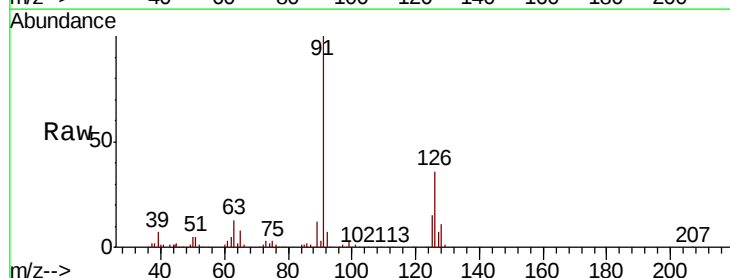
Acq: 18 Oct 2018 13:44

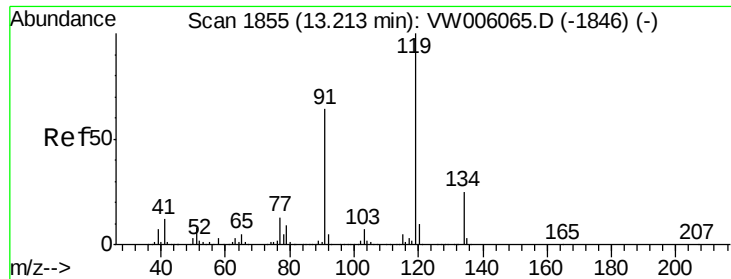
Tgt Ion: 91 Resp: 210805

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3

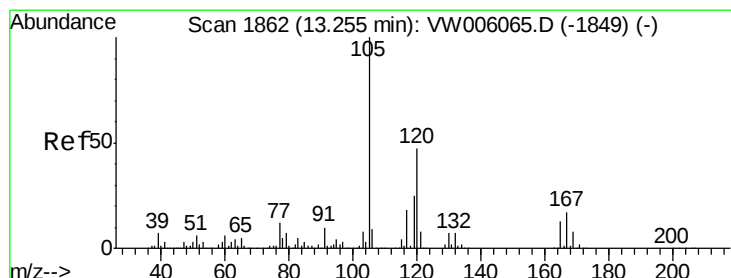
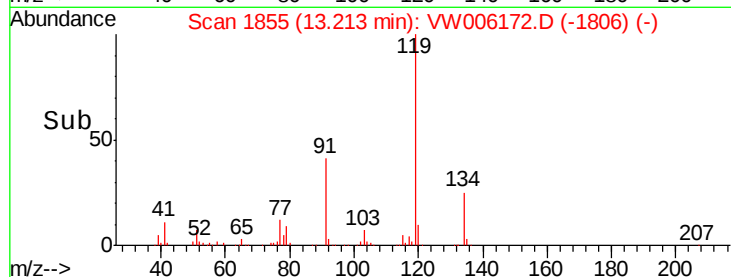
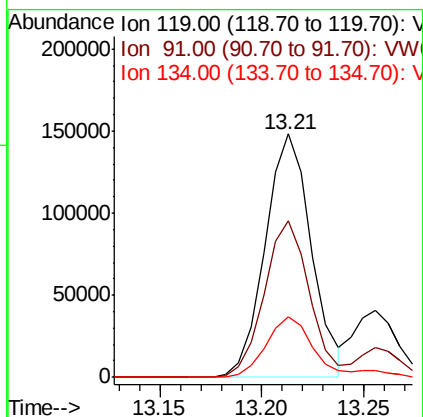
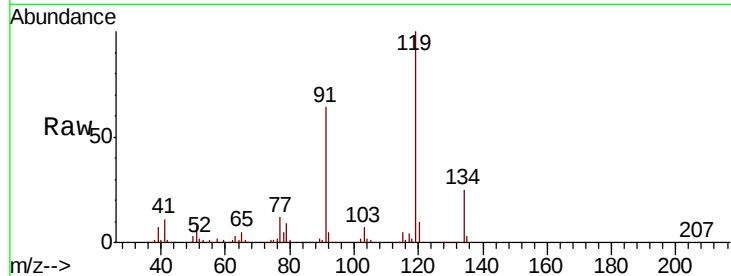




#83
tert-Butylbenzene
Concen: 22.031 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

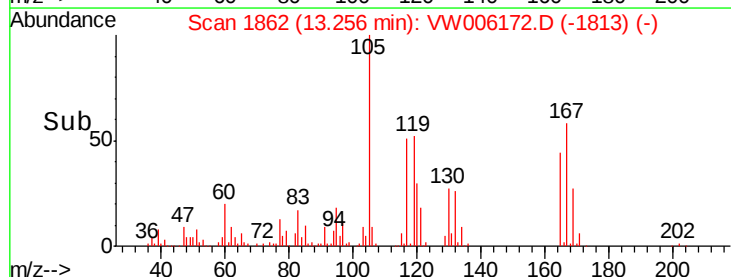
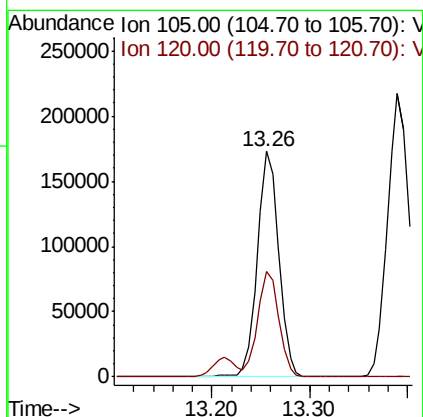
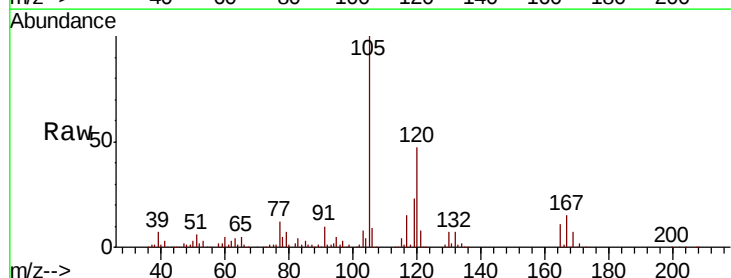
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

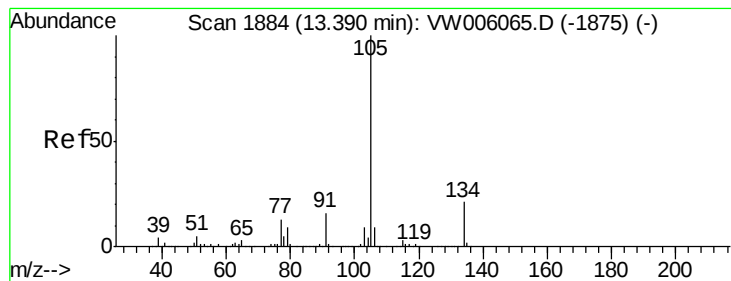
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.3	96.9
134	24.9	13.6	40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.951 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3





#85

sec-Butylbenzene

Concen: 22.130 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

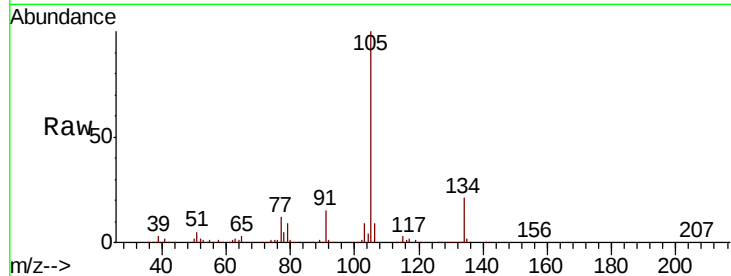
VW1018SBS01

Tot Ion:105 Resp: 331744

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

250000

200000

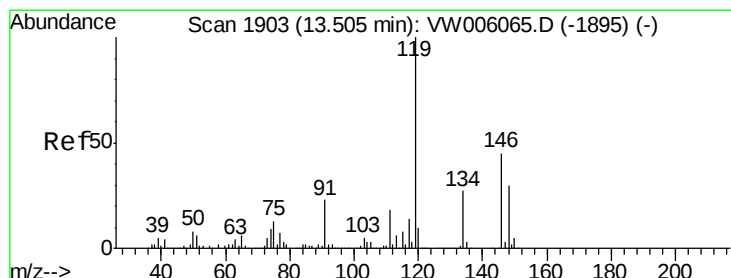
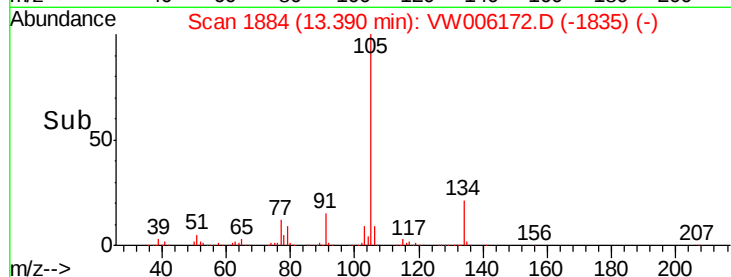
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.157 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

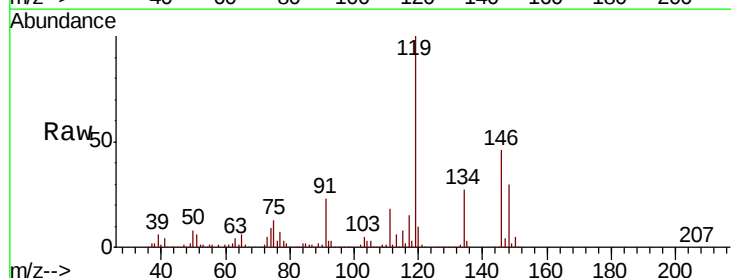
Tgt Ion:119 Resp: 300421

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

250000

200000

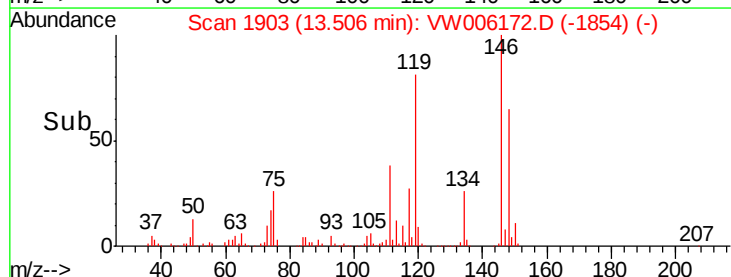
150000

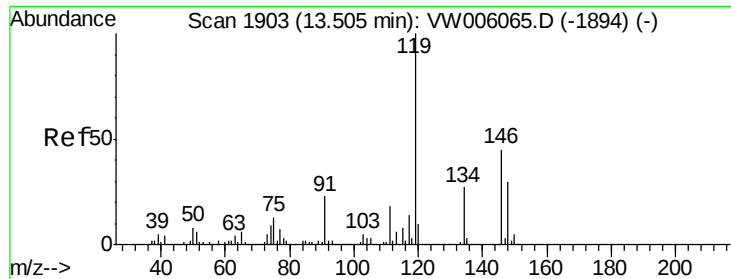
100000

50000

0

Time-->

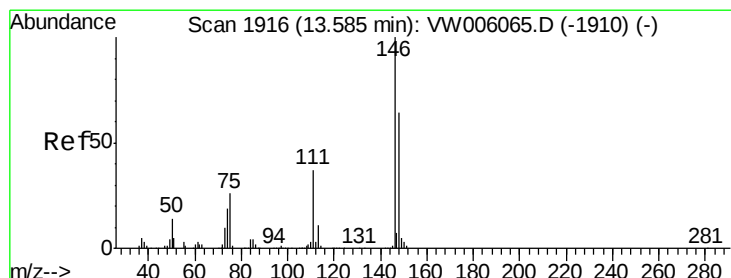
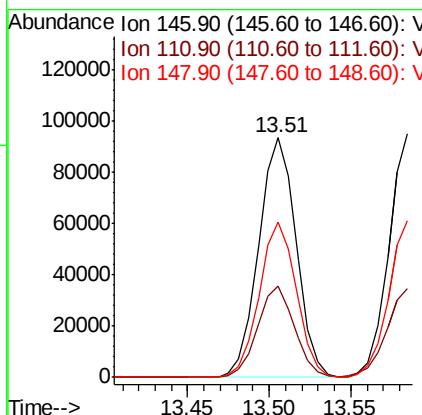
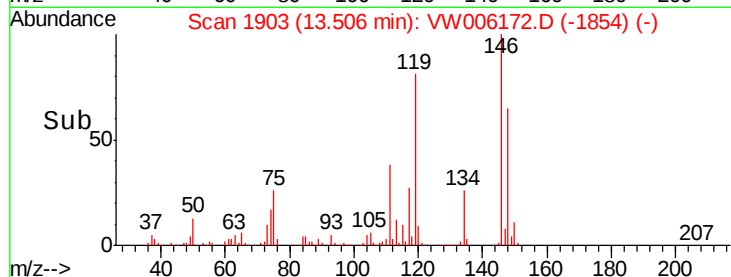
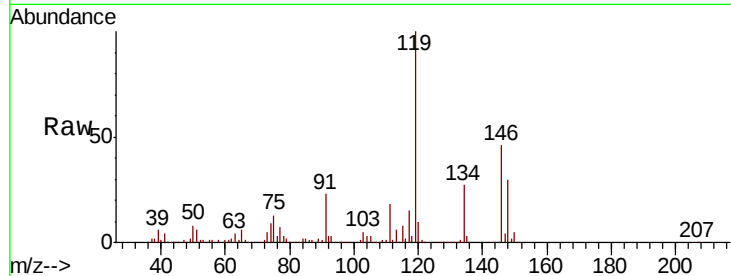




#87
 1,3-Dichlorobenzene
 Concen: 21.733 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

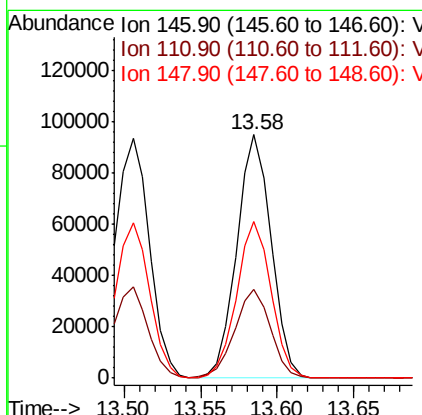
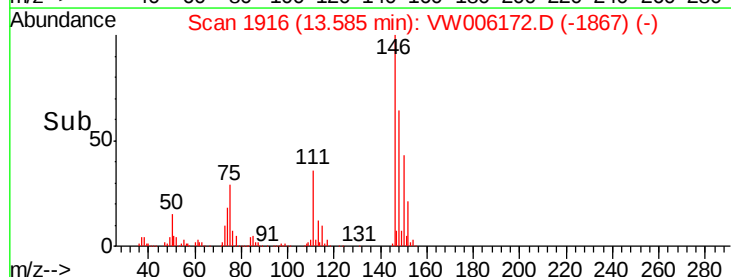
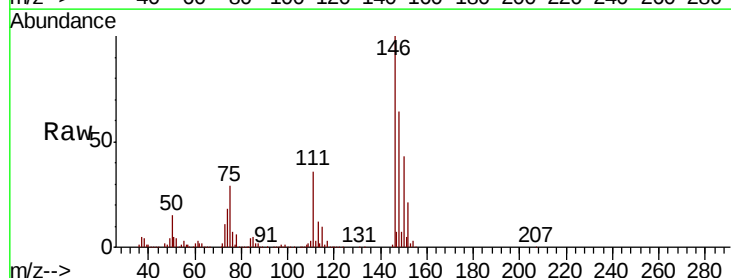
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

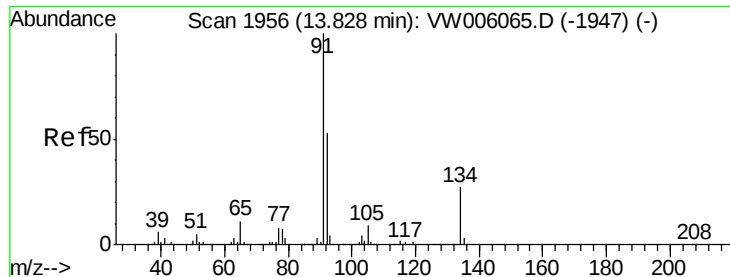
Tot Ion:146 Resp: 149034
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.625 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion:146 Resp: 147654
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 56.0
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 22.488 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

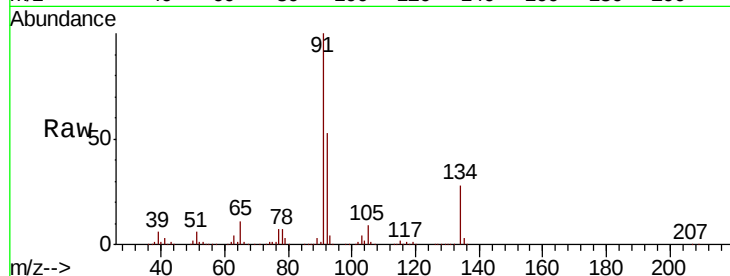
Tot Ion: 91 Resp: 278846

Ion Ratio Lower Upper

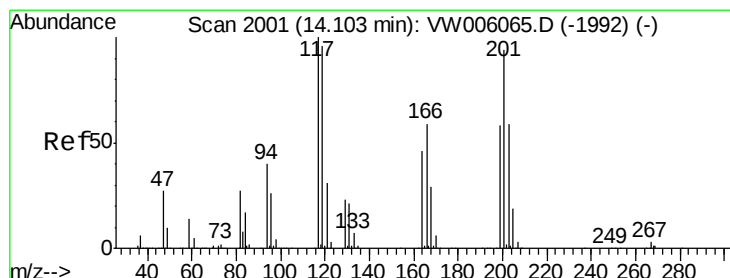
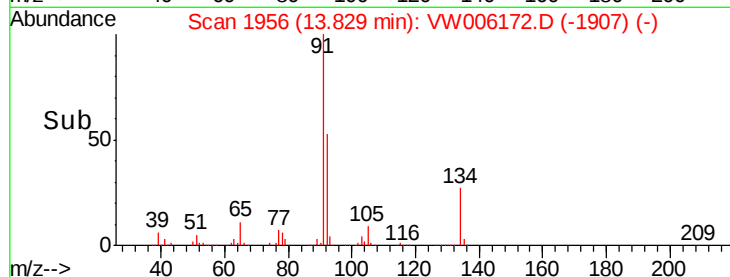
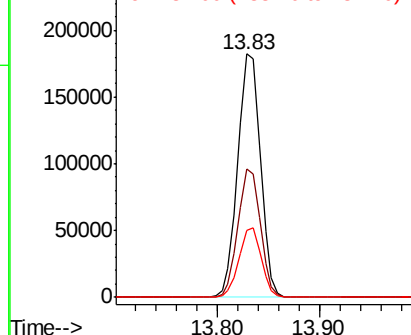
91 100

92 52.1 26.6 79.7

134 28.0 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.462 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006172.D

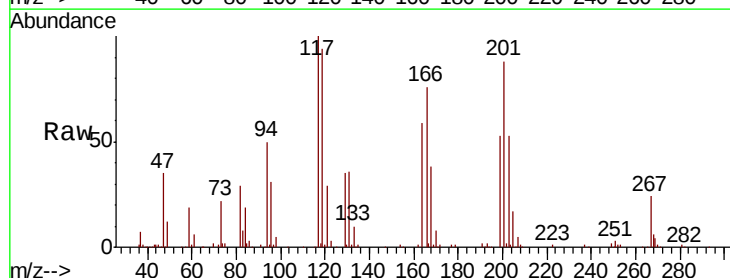
Acq: 18 Oct 2018 13:44

Tgt Ion: 117 Resp: 44698

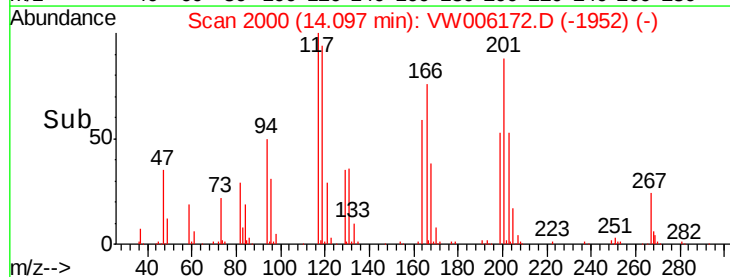
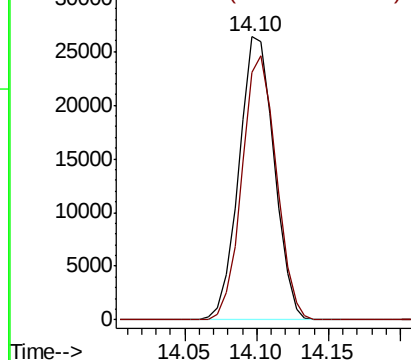
Ion Ratio Lower Upper

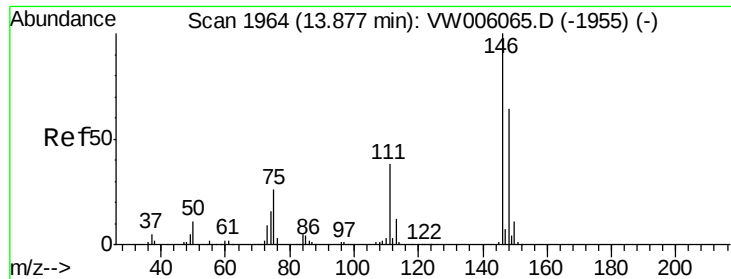
117 100

201 90.7 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.508 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

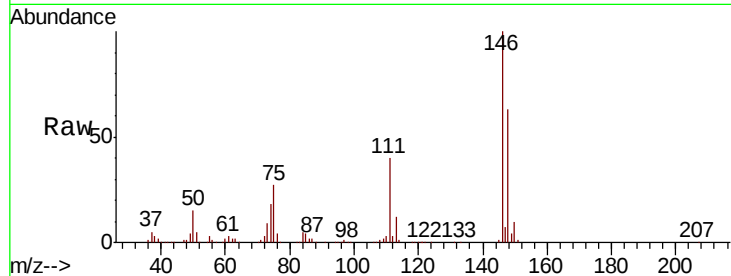
Tot Ion:146 Resp: 131561

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

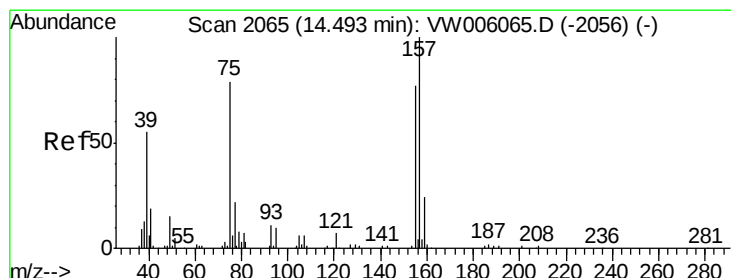
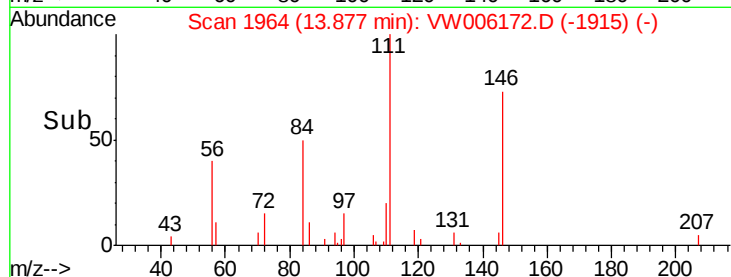
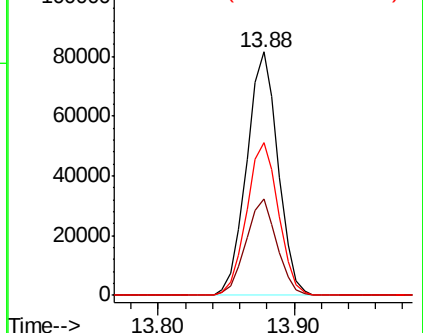
148 63.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.173 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006172.D

Acq: 18 Oct 2018 13:44

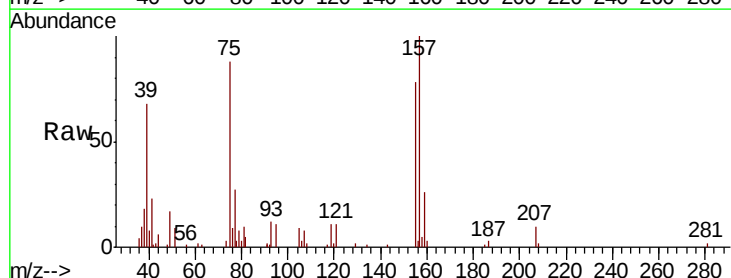
Tgt Ion: 75 Resp: 6579

Ion Ratio Lower Upper

75 100

155 90.8 46.5 139.5

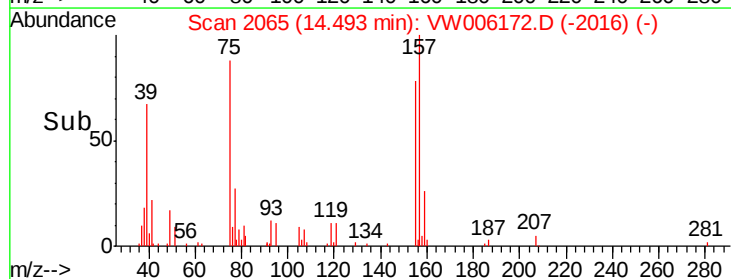
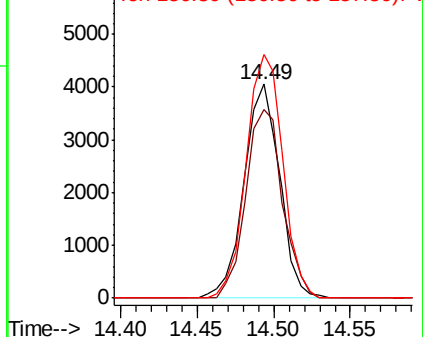
157 116.8 59.8 179.4

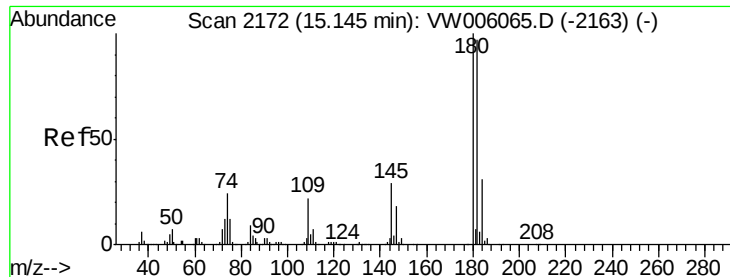


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

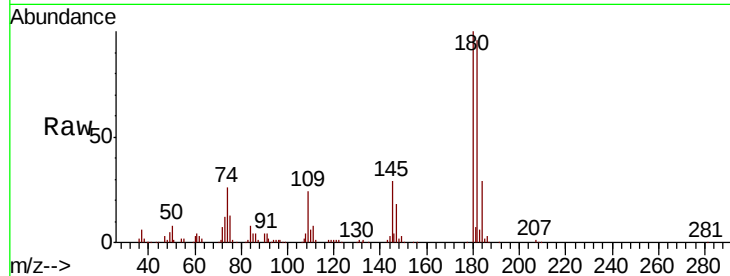




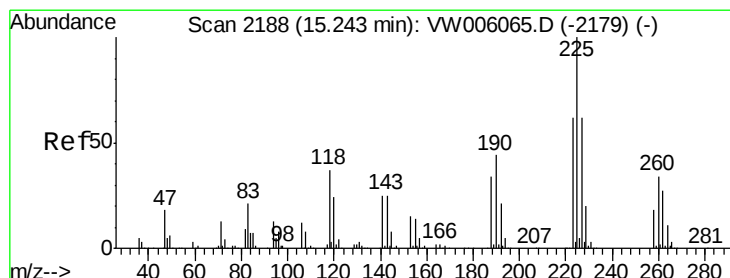
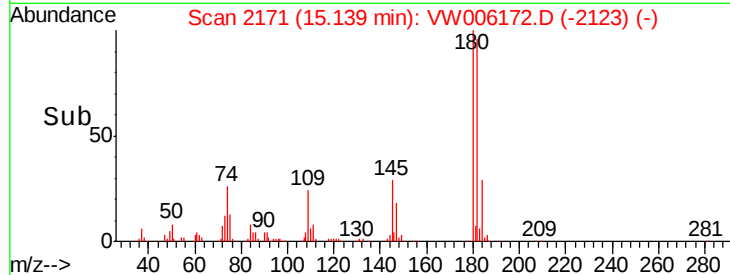
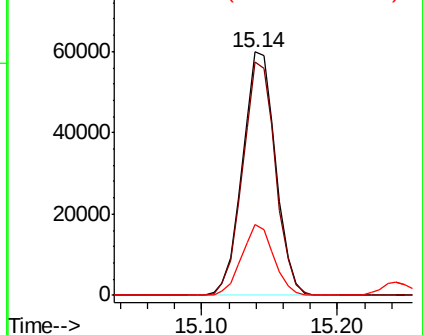
#93
 1,2,4-Trichlorobenzene
 Concen: 21.659 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	28.1	14.2	42.8

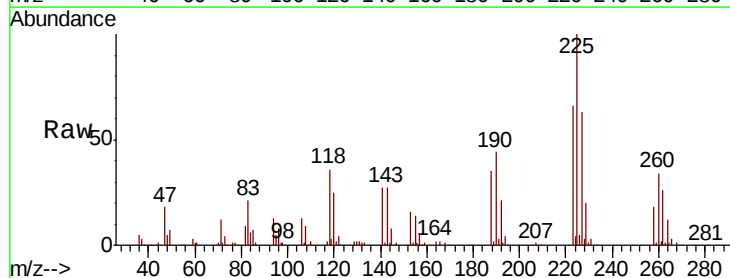


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

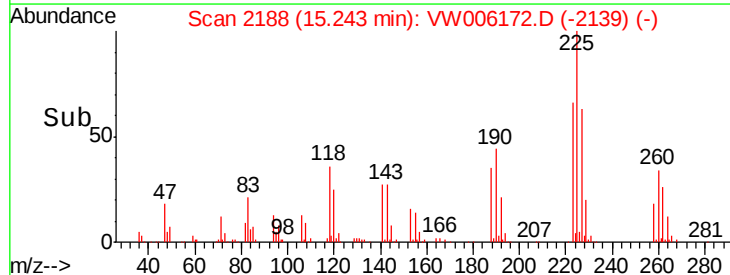
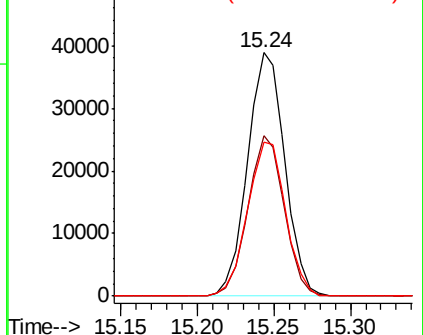


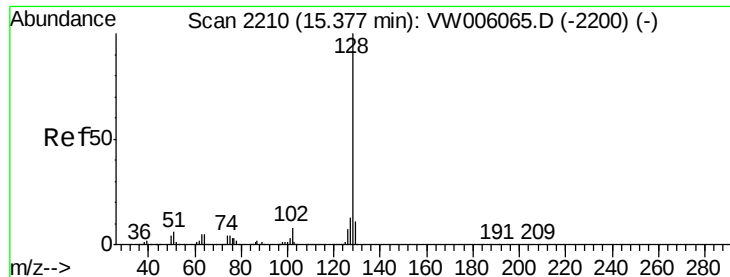
#94
 Hexachlorobutadiene
 Concen: 22.238 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006172.D
 Acq: 18 Oct 2018 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.5
227	64.7	32.4	97.0



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

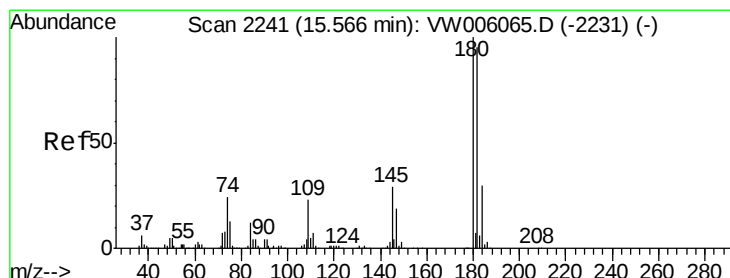
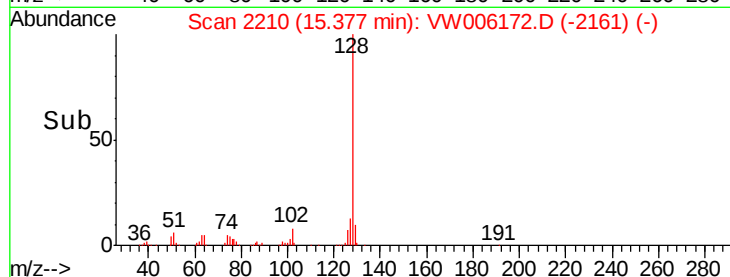
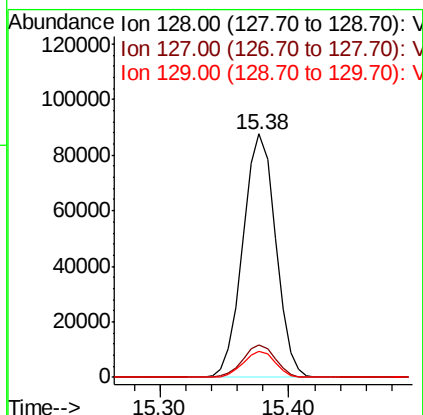
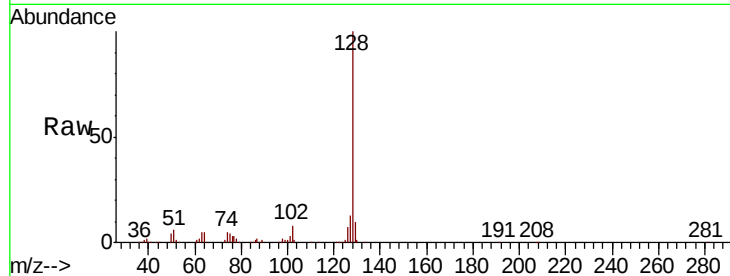




#95
Naphthalene
Concen: 19.674 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

Tot Ion:128 Resp: 154034
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.155 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006172.D
Acq: 18 Oct 2018 13:44

Tgt Ion:180 Resp: 86120
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 30.6 15.0 45.1

