

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006043.D
 Acq On : 12 Oct 2018 12:24
 Operator : VA/AP
 Sample : VW1013SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Quant Time: Oct 13 01:06:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	370424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188583	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	109113	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
35) Dibromofluoromethane	7.88	113	115820	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.33	98	448990	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.62	95	162698	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	22388	17.529	ug/l	100
3) Chloromethane	2.21	50	29413	19.578	ug/l	97
4) Vinyl Chloride	2.37	62	46228	19.382	ug/l	100
5) Bromomethane	2.78	94	38807	20.616	ug/l	95
6) Chloroethane	2.93	64	30739	20.228	ug/l	98
7) Trichlorofluoromethane	3.26	101	42866	22.641	ug/l	97
8) Diethyl Ether	3.68	74	21828	18.733	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46268	19.365	ug/l	99
10) Methyl Iodide	4.27	142	73604	18.837	ug/l	100
11) Tert butyl alcohol	5.18	59	14496	78.173	ug/l	97
12) 1,1-Dichloroethene	4.03	96	42902	18.698	ug/l	97
13) Acrolein	3.89	56	13671	82.731	ug/l	100
14) Allyl chloride	4.67	41	61574	15.737	ug/l	97
15) Acrylonitrile	5.37	53	40622	80.108	ug/l	99
16) Acetone	4.12	43	49678	98.297	ug/l	99
17) Carbon Disulfide	4.37	76	112258	16.184	ug/l	99
18) Methyl Acetate	4.67	43	17705	13.882	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	63596	17.816	ug/l	98
20) Methylene Chloride	4.91	84	52901	20.892	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	46081	18.427	ug/l	96
22) Diisopropyl ether	6.31	45	123717	16.914	ug/l	97
23) Vinyl Acetate	6.26	43	352187	78.231	ug/l	97
24) 1,1-Dichloroethane	6.21	63	79975	17.867	ug/l	100
25) 2-Butanone	7.18	43	59452	82.707	ug/l	96
26) 2,2-Dichloropropane	7.17	77	58942	18.711	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52592	18.596	ug/l	97
28) Bromochloromethane	7.51	49	28601	17.311	ug/l	89
29) Tetrahydrofuran	7.53	42	33412	73.529	ug/l	95
30) Chloroform	7.68	83	85202	18.532	ug/l	97
31) Cyclohexane	7.95	56	75996	17.157	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	76369	18.652	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67807	19.104	ug/l	99
37) Ethyl Acetate	7.26	43	24051	16.001	ug/l	98
38) Carbon Tetrachloride	8.07	117	73022	19.149	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88190	18.838	ug/l	95
40) Benzene	8.32	78	185120	19.056	ug/l	99
41) Methacrylonitrile	7.49	41	14764	15.689	ug/l	97
42) 1,2-Dichloroethane	8.40	62	53048	18.075	ug/l	99
43) Isopropyl Acetate	8.43	43	48763	15.531	ug/l	97
44) Trichloroethene	9.10	130	56835	20.164	ug/l	99
45) 1,2-Dichloropropane	9.37	63	44642	18.359	ug/l	99
46) Dibromomethane	9.46	93	24591	18.400	ug/l	98
47) Bromodichloromethane	9.65	83	59209	17.606	ug/l	97
48) Methyl methacrylate	9.44	41	22797	15.242	ug/l	94
49) 1,4-Dioxane	9.45	88	7150	352.214	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	121499	79.465	ug/l	98
52) Toluene	10.39	92	125168	19.613	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58817	16.735	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	67907	17.189	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34590	18.686	ug/l	98
56) Ethyl methacrylate	10.65	69	41121	16.482	ug/l	93
57) 1,3-Dichloropropane	10.94	76	56221	18.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	89157	87.826	ug/l	98
59) 2-Hexanone	10.98	43	91970	83.892	ug/l	98
60) Dibromochloromethane	11.13	129	42039	17.599	ug/l	100
61) 1,2-Dibromoethane	11.24	107	33528	18.126	ug/l	99
64) Tetrachloroethene	10.87	164	50101	20.131	ug/l	98
65) Chlorobenzene	11.66	112	143124	19.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	50399	19.213	ug/l	98
67) Ethyl Benzene	11.74	91	252854	20.003	ug/l	100
68) m/p-Xylenes	11.85	106	197660	40.013	ug/l	99
69) o-Xylene	12.17	106	93387	19.746	ug/l	98
70) Styrene	12.19	104	152771	19.469	ug/l	98
71) Bromoform	12.35	173	25565	16.361	ug/l #	100
73) Isopropylbenzene	12.47	105	265175	19.254	ug/l	100
74) N-amyl acetate	12.28	43	48118	14.711	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	39028	17.289	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50476	29.964	ug/l #	100
77) Bromobenzene	12.76	156	63376	19.423	ug/l	94
78) n-propylbenzene	12.81	91	313262	19.336	ug/l	100
79) 2-Chlorotoluene	12.90	91	173988	19.024	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	225194	19.367	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10675	13.378	ug/l	93
82) 4-Chlorotoluene	12.99	91	182580	18.975	ug/l	98
83) tert-Butylbenzene	13.21	119	204555	19.779	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	228078	19.446	ug/l	100
85) sec-Butylbenzene	13.39	105	291382	20.072	ug/l	100
86) p-Isopropyltoluene	13.51	119	262893	20.138	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	130523	20.135	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	129510	20.105	ug/l	99
89) n-Butylbenzene	13.83	91	245314	19.935	ug/l	99
90) Hexachloroethane	14.10	117	42066	17.133	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	113695	19.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6283	14.935	ug/l	93

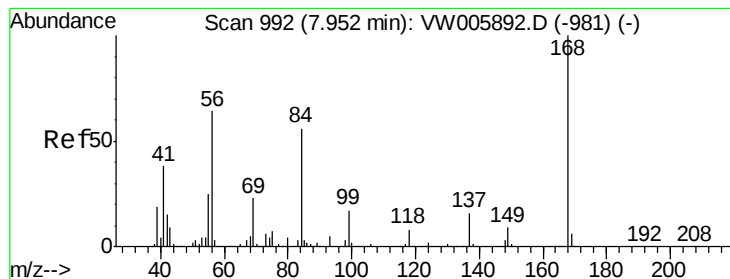
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	85445	19.147	ug/l	99
94) Hexachlorobutadiene	15.24	225	54931	19.721	ug/l	99
95) Naphthalene	15.38	128	134772	17.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72054	18.648	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: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

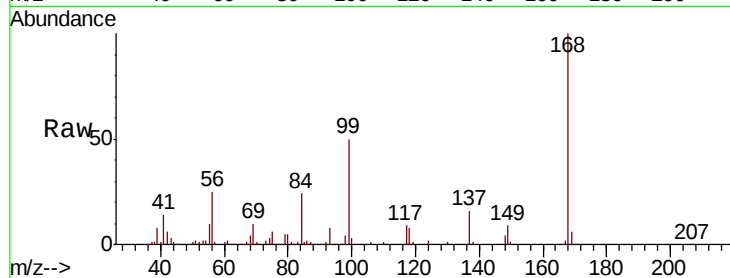
VW1013SBS01

Tgt Ion:168 Resp: 260637

Ion Ratio Lower Upper

168 100

99 49.9 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

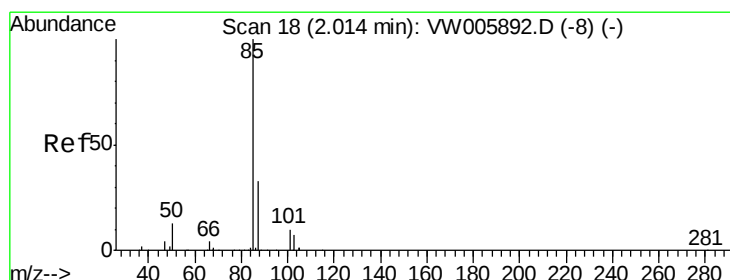
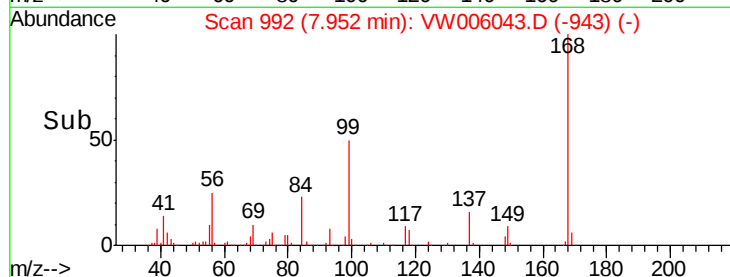
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.529 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006043.D

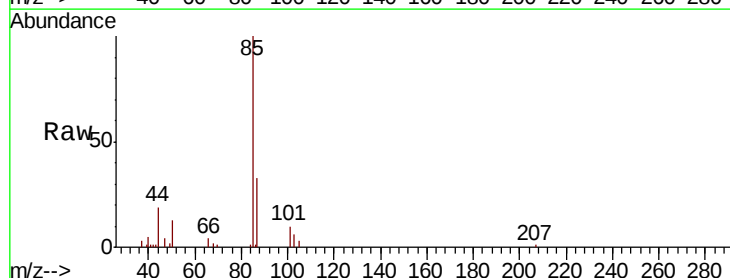
Acq: 12 Oct 2018 12:24

Tgt Ion: 85 Resp: 22388

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

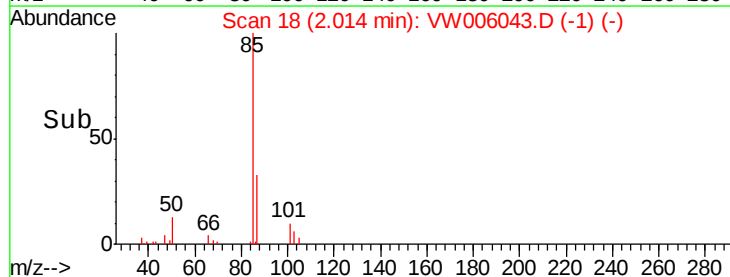
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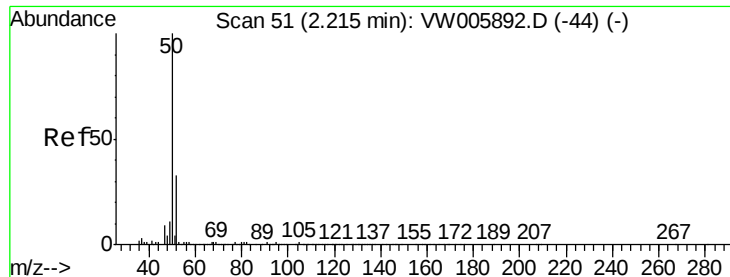
2000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.578 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

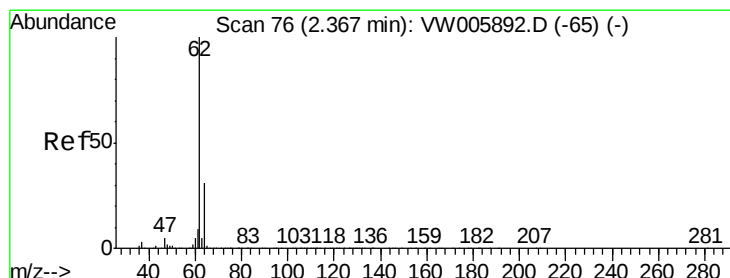
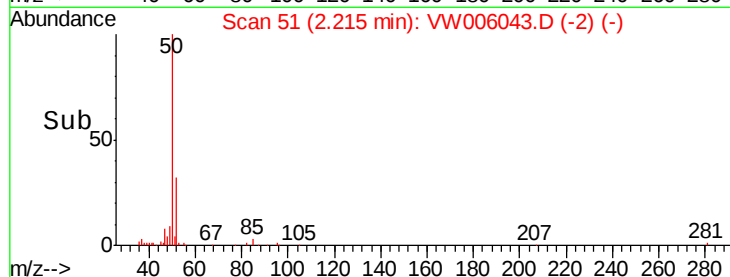
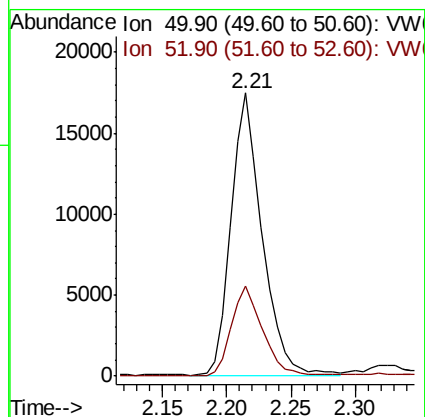
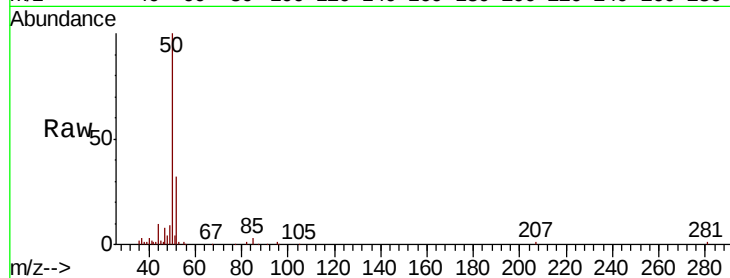
VW1013SBS01

Tgt Ion: 50 Resp: 29413

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



#4

Vinyl Chloride

Concen: 19.382 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW006043.D

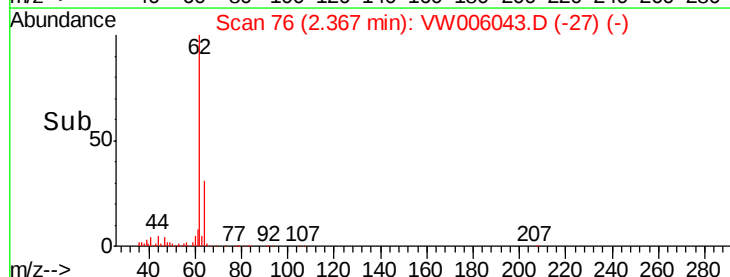
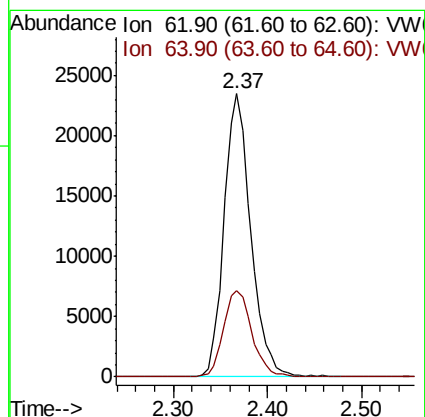
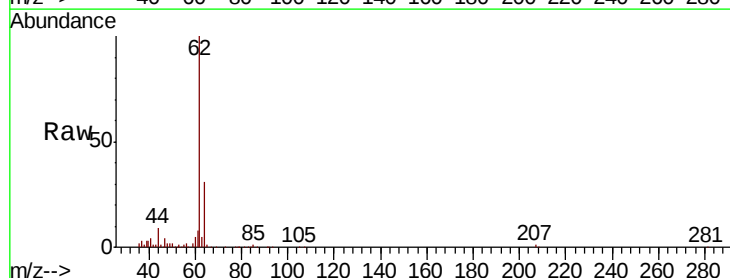
Acq: 12 Oct 2018 12:24

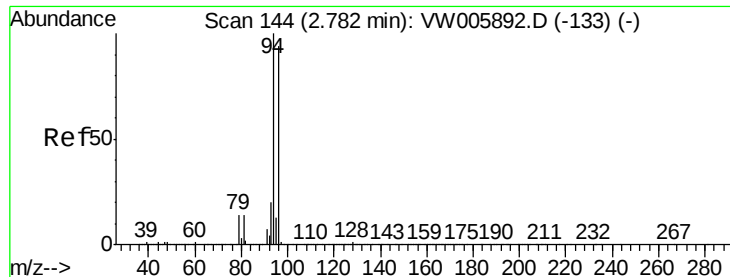
Tgt Ion: 62 Resp: 46228

Ion Ratio Lower Upper

62 100

64 30.6 24.6 36.8





#5

Bromomethane

Concen: 20.616 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

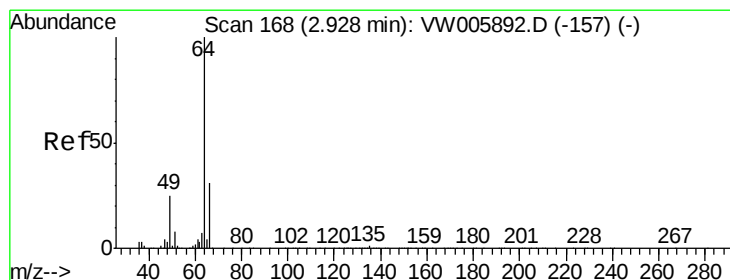
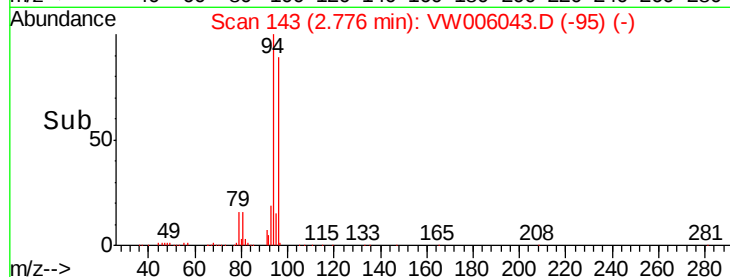
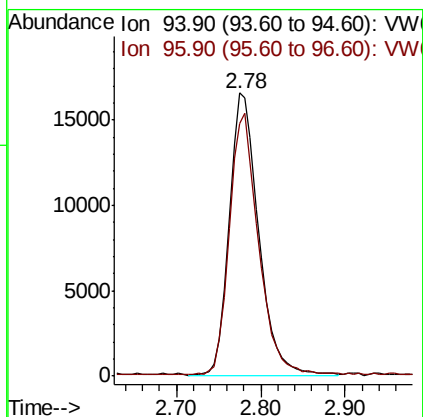
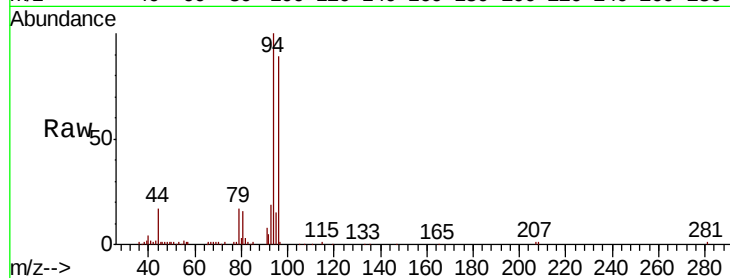
VW1013SBS01

Tgt Ion: 94 Resp: 38807

Ion Ratio Lower Upper

94 100

96 88.8 75.0 112.4



#6

Chloroethane

Concen: 20.228 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006043.D

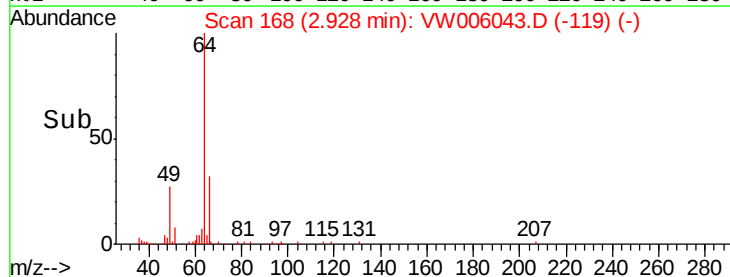
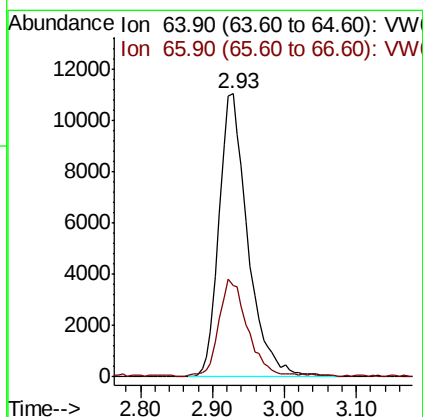
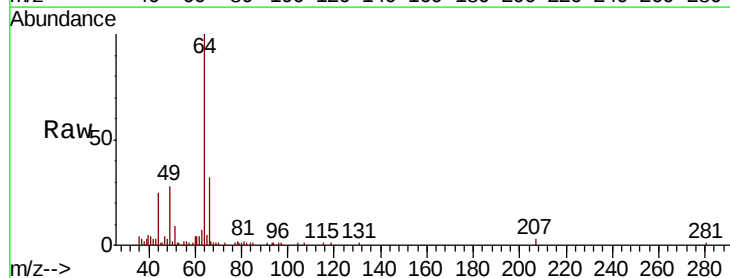
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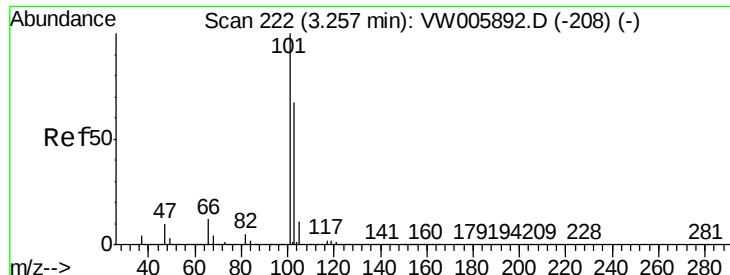
Tgt Ion: 64 Resp: 30739

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4



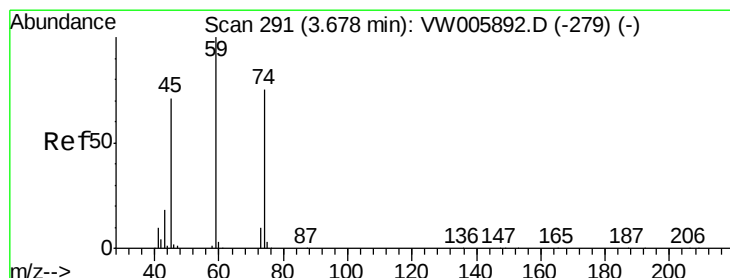
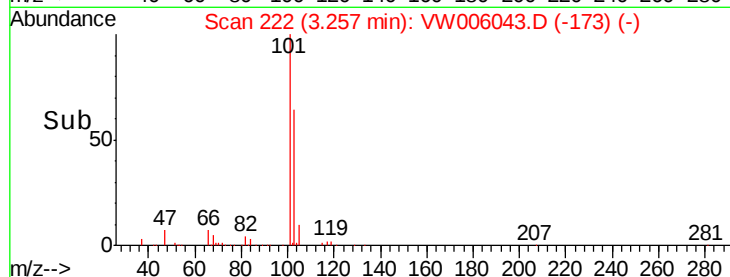
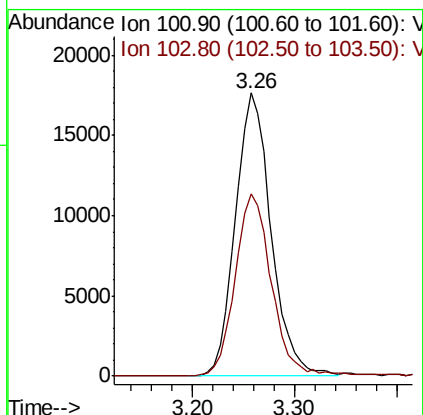
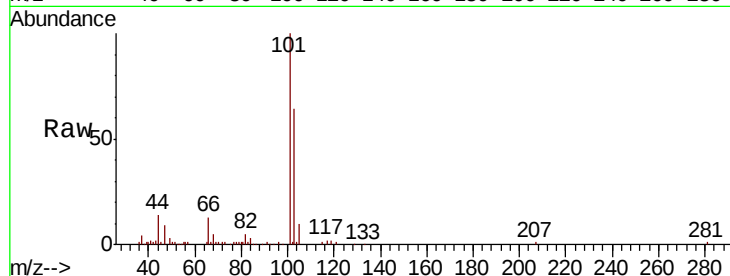


#7

Trichlorofluoromethane
Concen: 22.641 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Instrument :
MSVOA_W
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VW1013SBS01

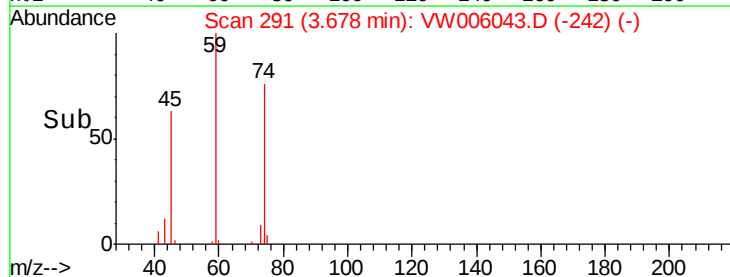
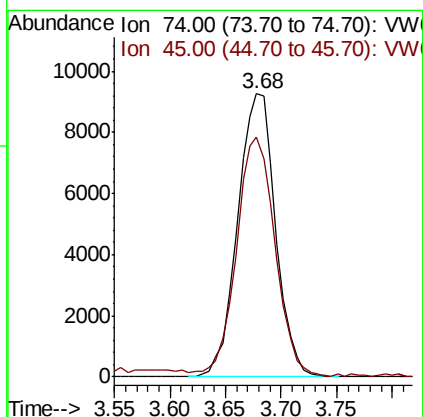
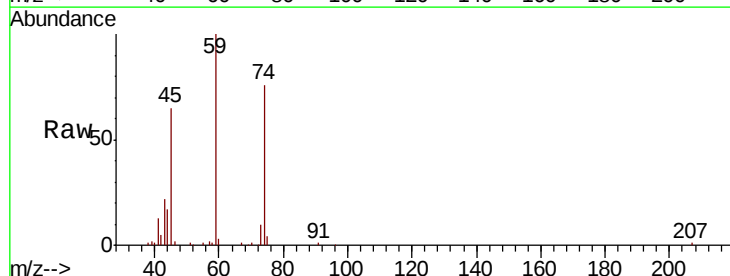
Tgt Ion: 101 Resp: 42866
Ion Ratio Lower Upper
101 100
103 64.1 53.5 80.3

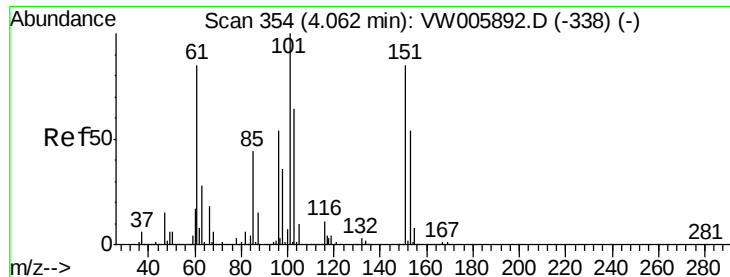


#8

Diethyl Ether
Concen: 18.733 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 74 Resp: 21828
Ion Ratio Lower Upper
74 100
45 87.2 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.365 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

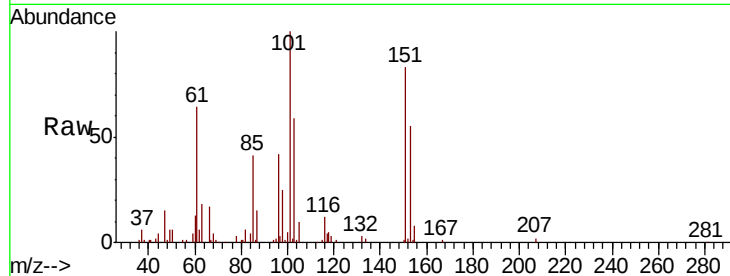
Tgt Ion:101 Resp: 46268

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

151 86.1 67.7 101.5

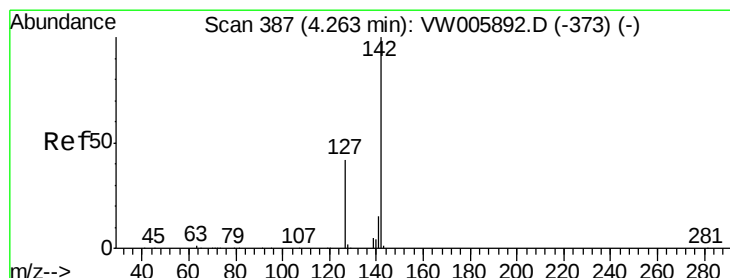
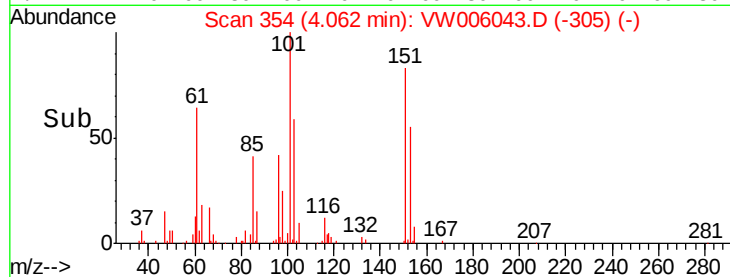
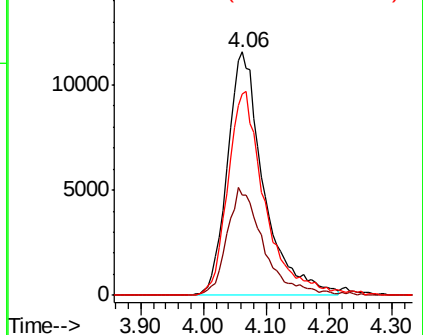


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.837 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

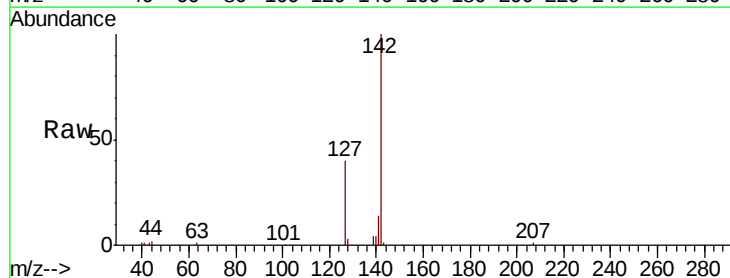
Tgt Ion:142 Resp: 73604

Ion Ratio Lower Upper

142 100

127 42.3 33.7 50.5

141 14.4 11.5 17.3

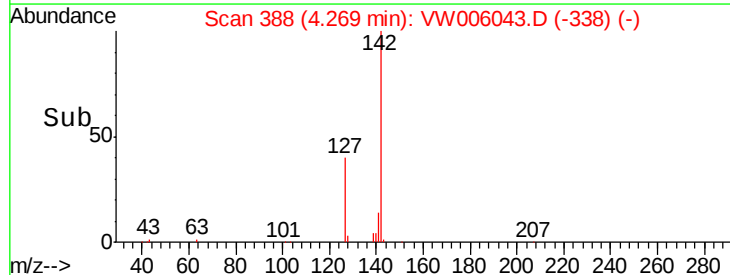
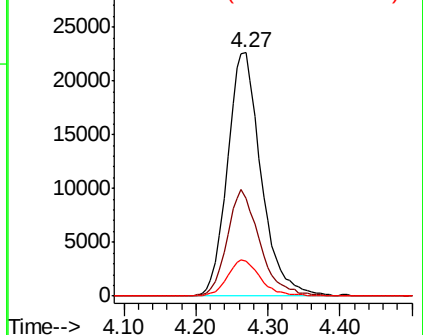


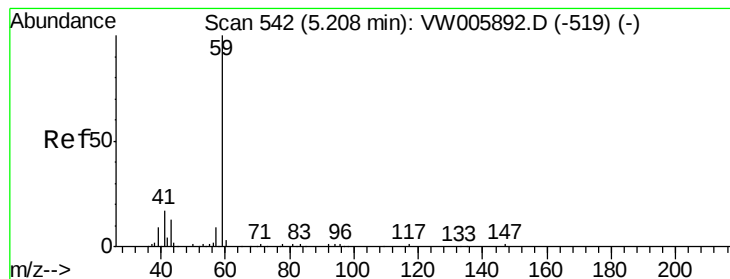
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



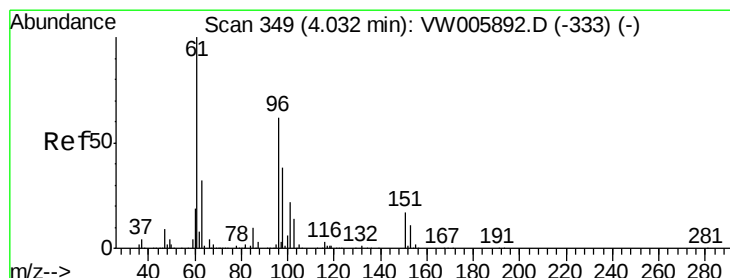
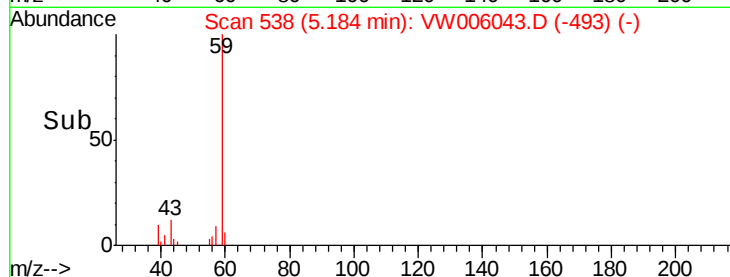
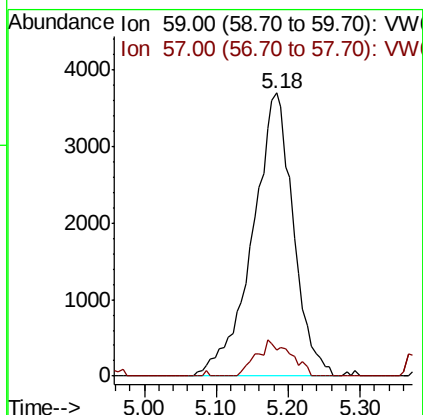
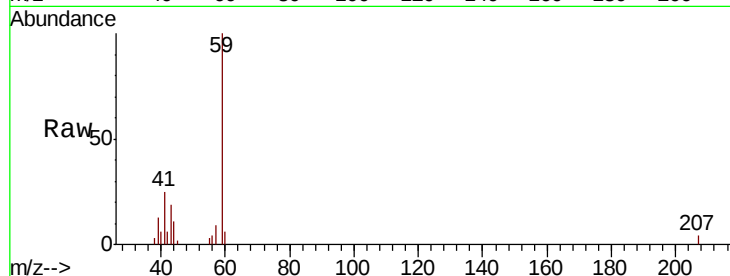


#11

Tert butyl alcohol
 Concen: 78.173 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

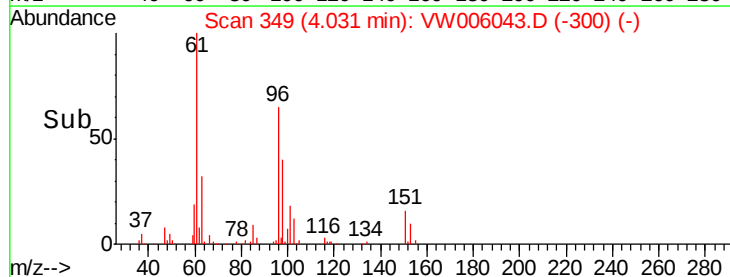
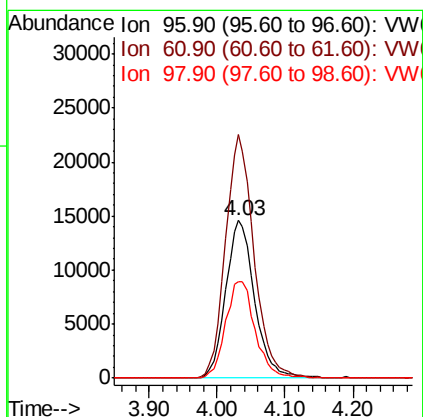
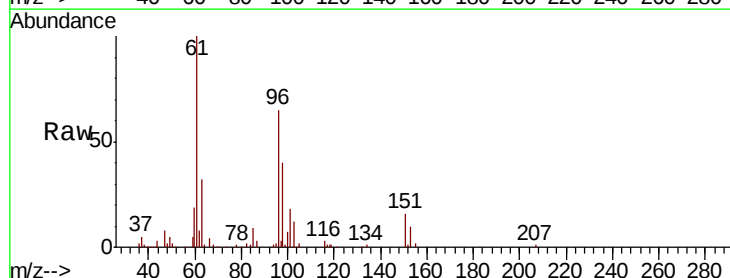
Tgt Ion: 59 Resp: 14496
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.7 11.5

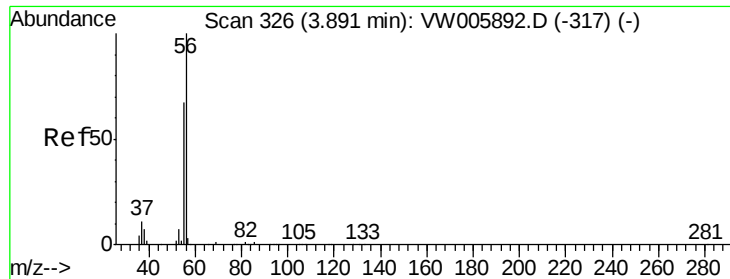


#12

1,1-Dichloroethene
 Concen: 18.698 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion: 96 Resp: 42902
 Ion Ratio Lower Upper
 96 100
 61 154.7 128.6 193.0
 98 61.5 49.4 74.0





#13

Acrolein

Concen: 82.731 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

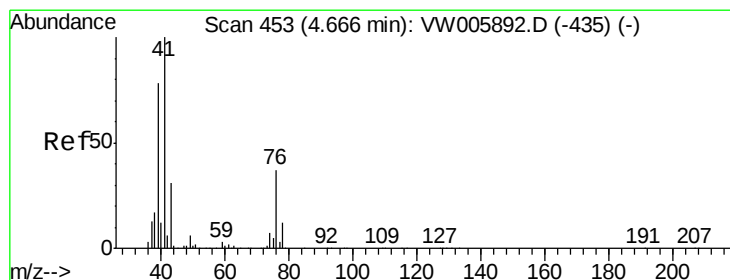
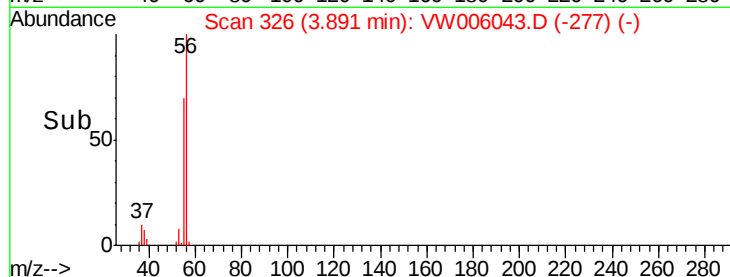
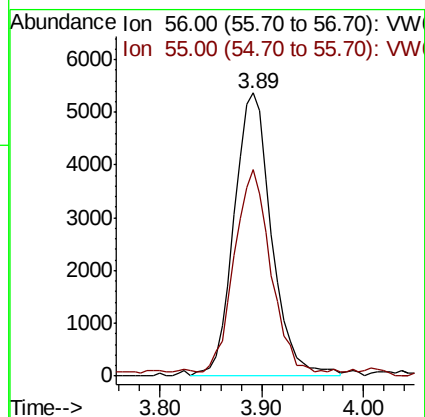
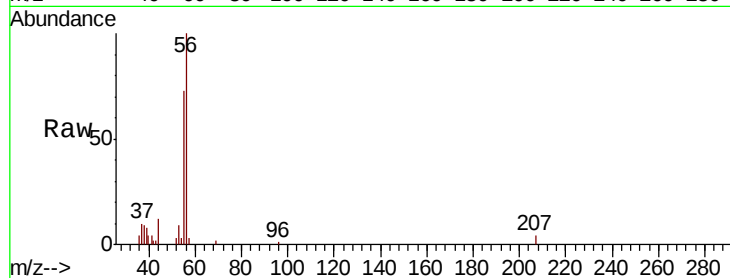
VW1013SBS01

Tgt Ion: 56 Resp: 13671

Ion Ratio Lower Upper

56 100

55 68.6 54.6 82.0



#14

Allyl chloride

Concen: 15.737 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

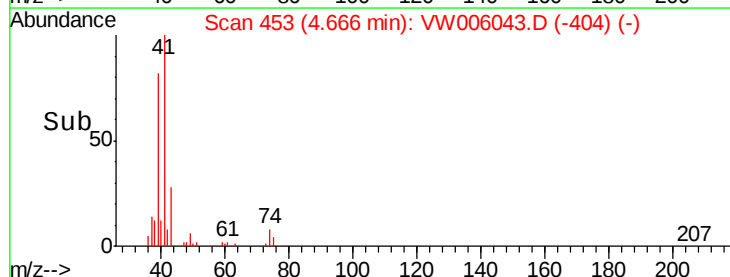
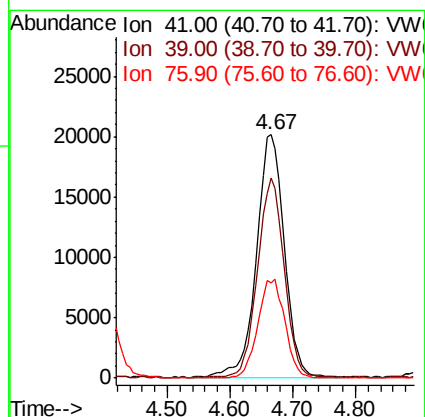
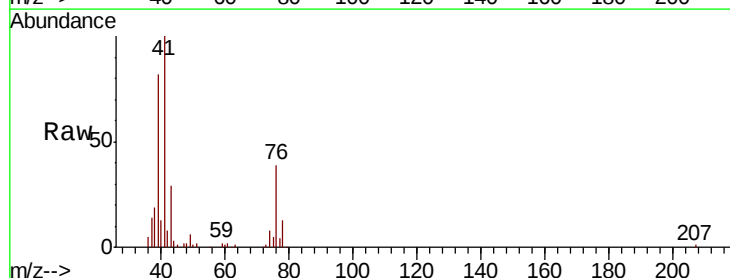
Tgt Ion: 41 Resp: 61574

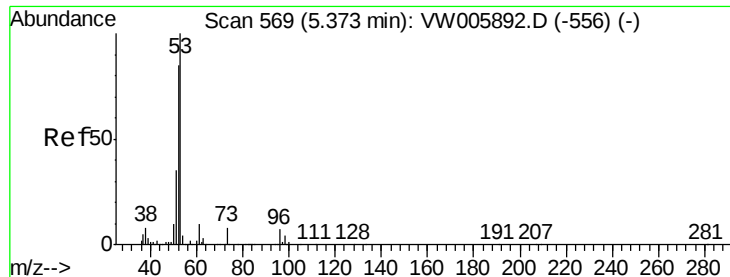
Ion Ratio Lower Upper

41 100

39 78.4 60.8 91.2

76 39.5 29.6 44.4





#15

Acrylonitrile

Concen: 80.108 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

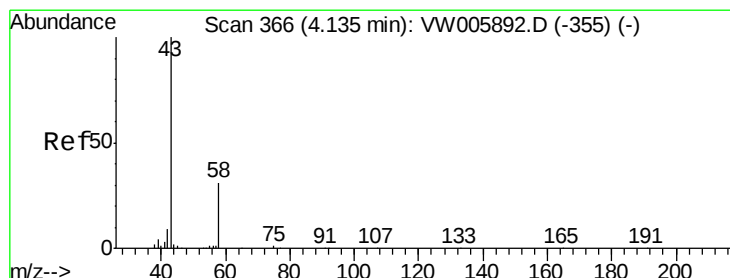
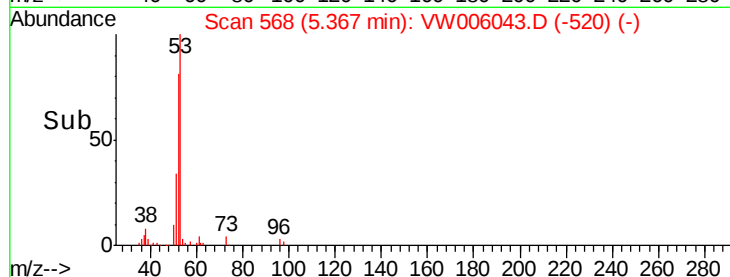
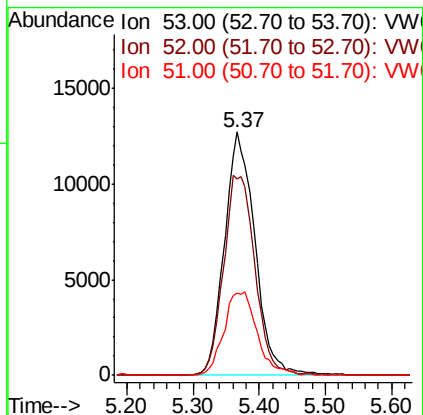
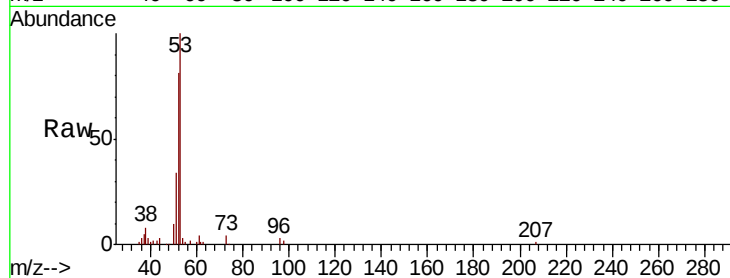
Tgt Ion: 53 Resp: 40622

Ion Ratio Lower Upper

53 100

52 84.4 66.8 100.2

51 37.5 29.8 44.6



#16

Acetone

Concen: 98.297 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006043.D

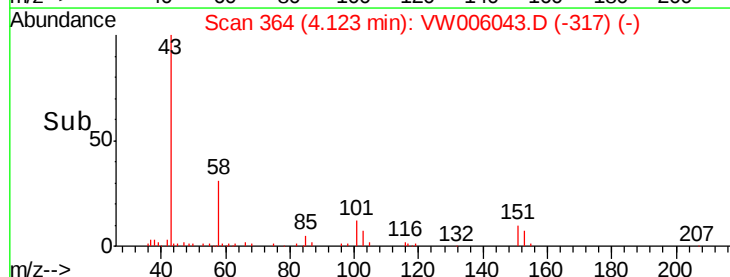
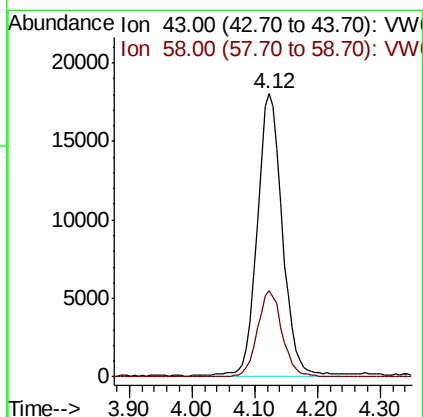
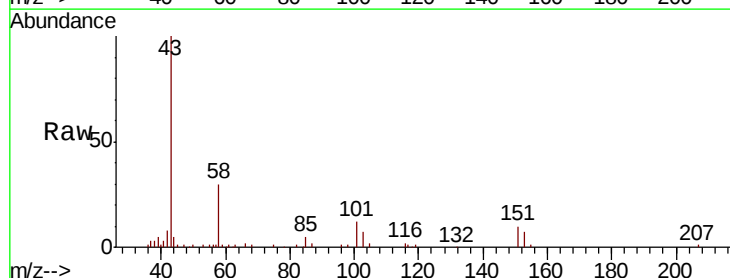
Acq: 12 Oct 2018 12:24

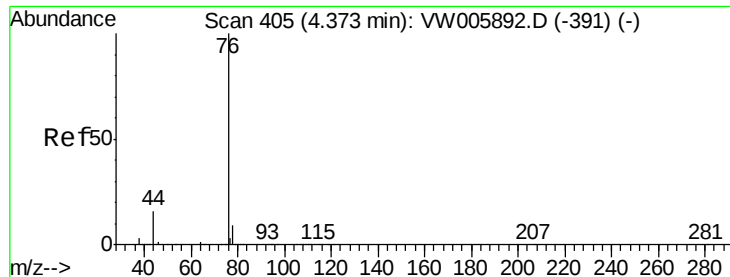
Tgt Ion: 43 Resp: 49678

Ion Ratio Lower Upper

43 100

58 30.4 24.7 37.1

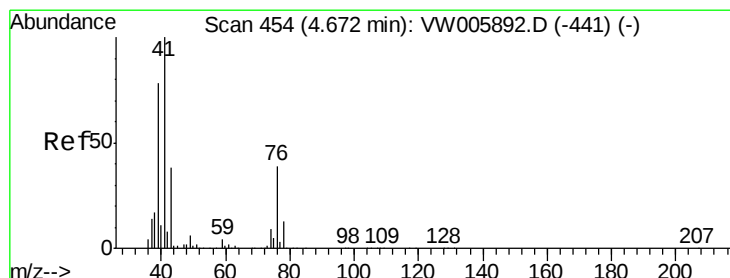
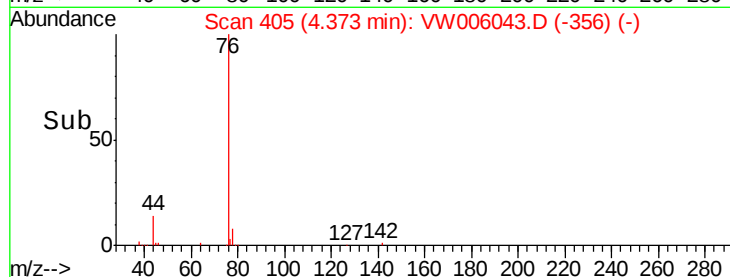
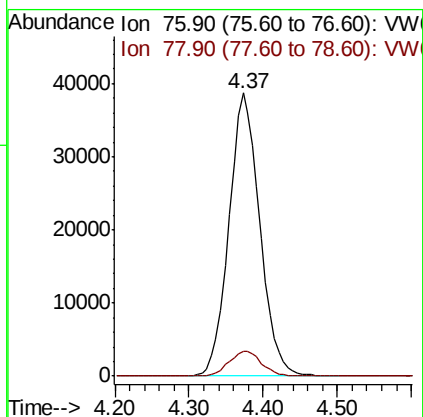
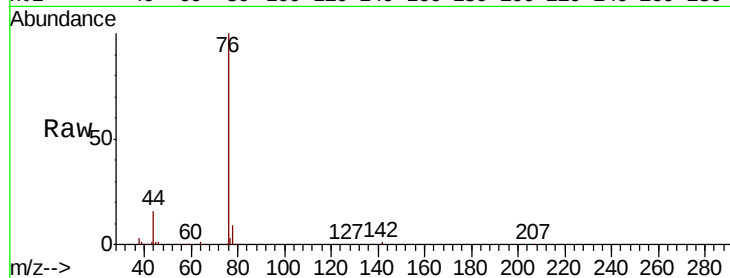




#17
Carbon Disulfide
Concen: 16.184 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

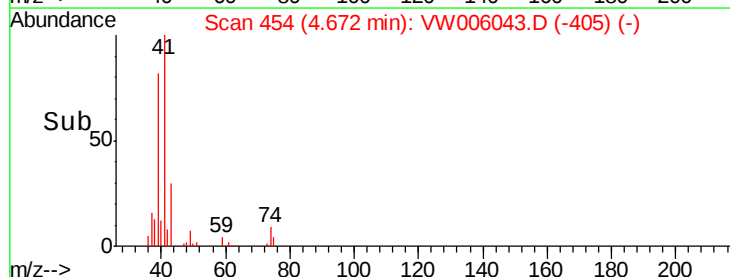
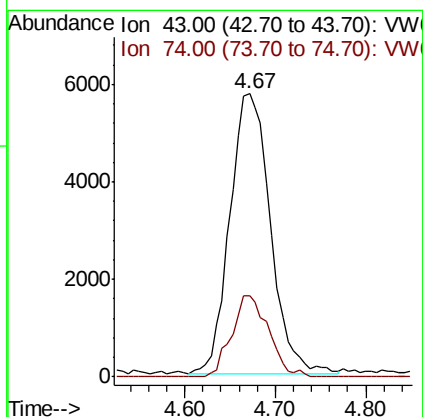
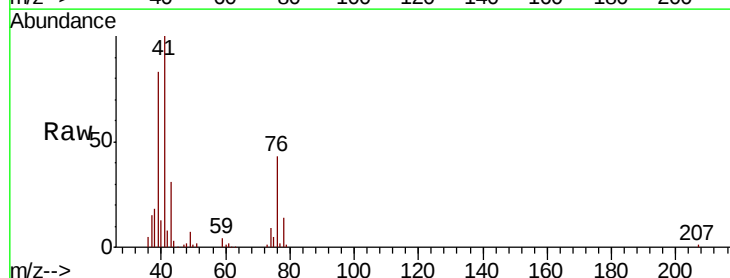
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

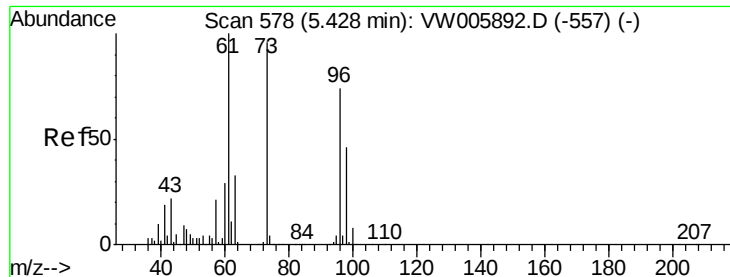
Tgt Ion: 76 Resp: 112258
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 13.882 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 43 Resp: 17705
Ion Ratio Lower Upper
43 100
74 26.8 19.2 28.8

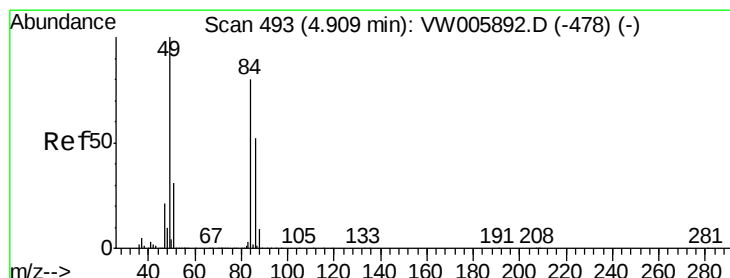
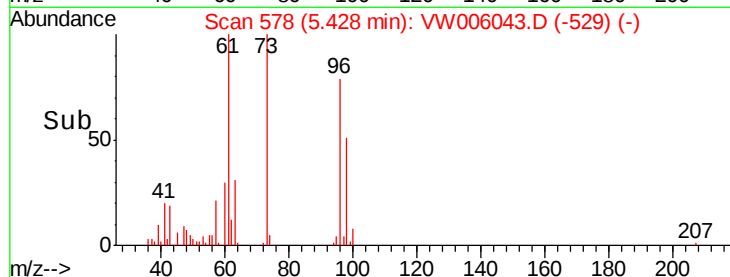
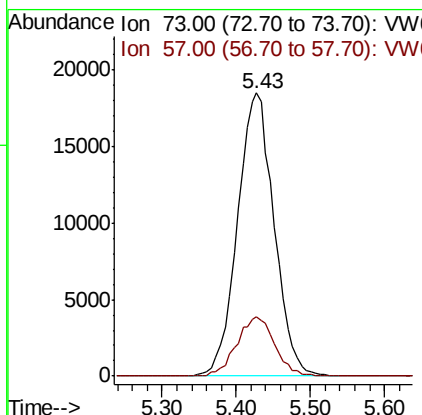
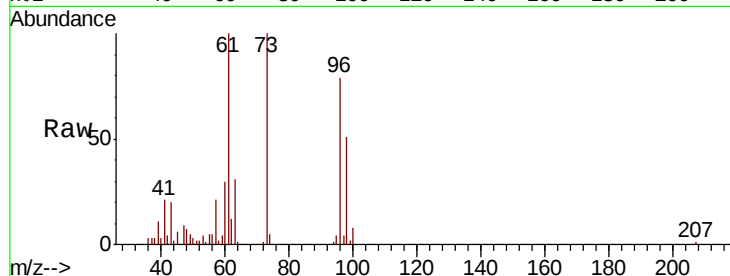




#19
Methyl tert-butyl Ether
Concen: 17.816 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

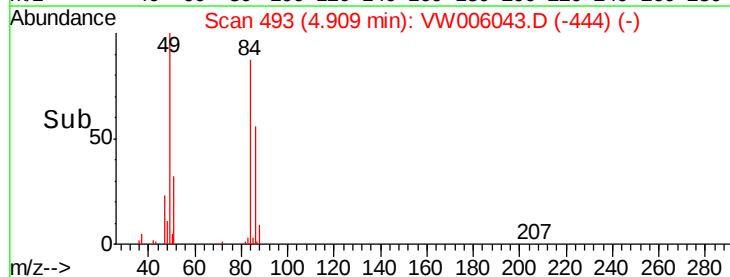
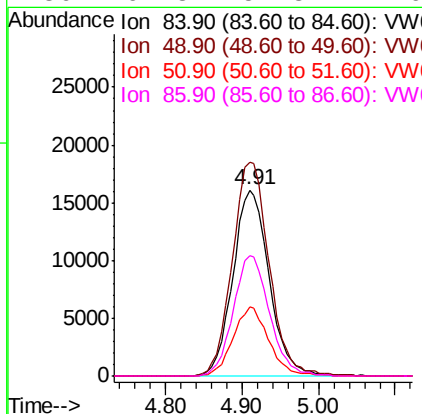
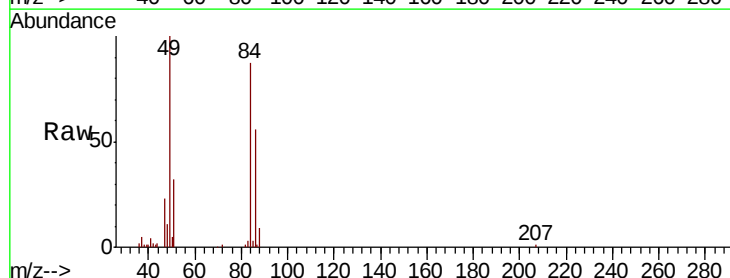
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

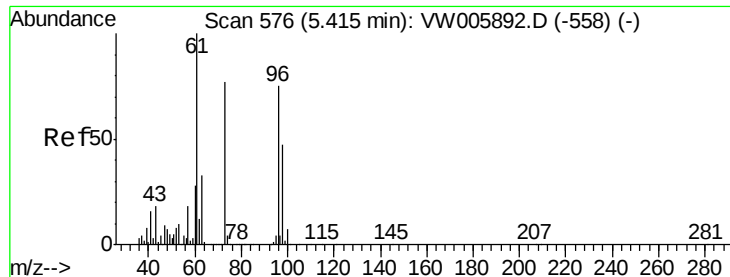
Tgt Ion: 73 Resp: 63596
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 20.892 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 84 Resp: 52901
Ion Ratio Lower Upper
84 100
49 114.8 99.9 149.9
51 37.3 31.1 46.7
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.427 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

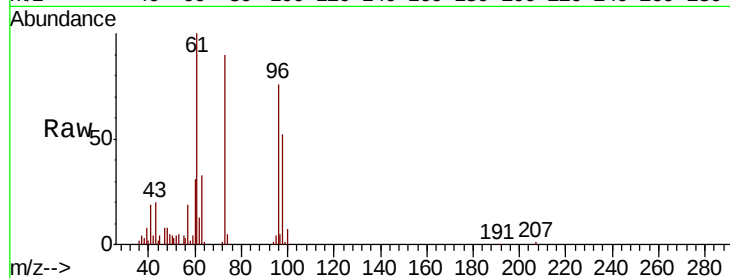
Tgt Ion: 96 Resp: 46081

Ion Ratio Lower Upper

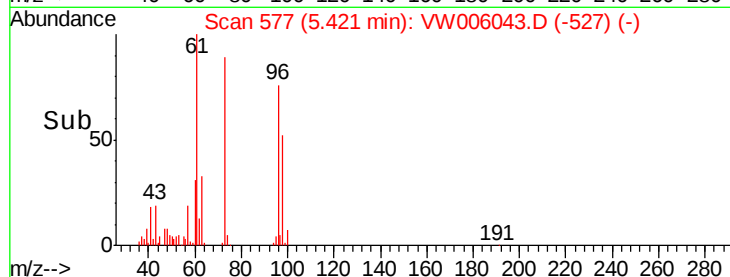
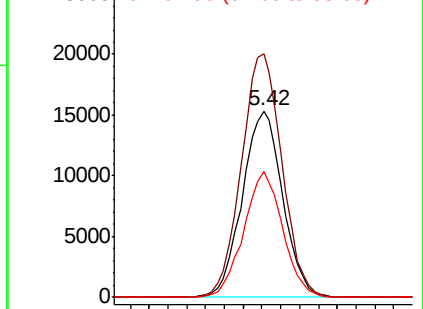
96 100

61 130.8 107.4 161.0

98 67.8 50.8 76.2



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



#22

Diisopropyl ether

Concen: 16.914 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Tgt Ion: 45 Resp: 123717

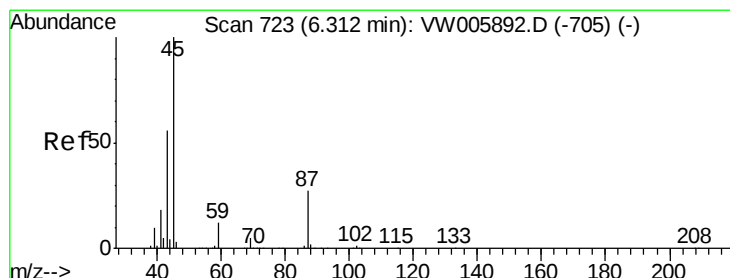
Ion Ratio Lower Upper

45 100

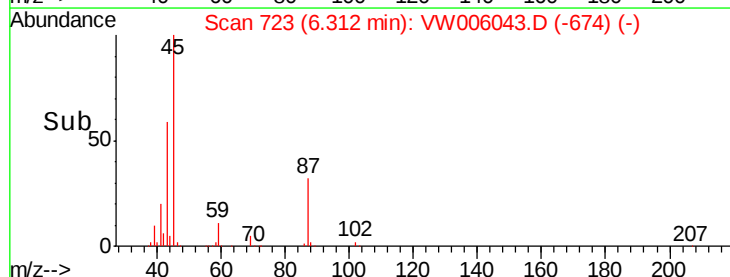
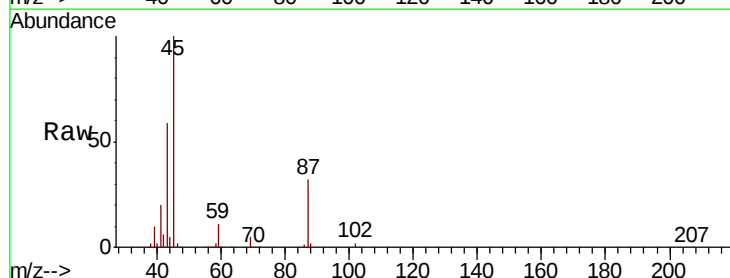
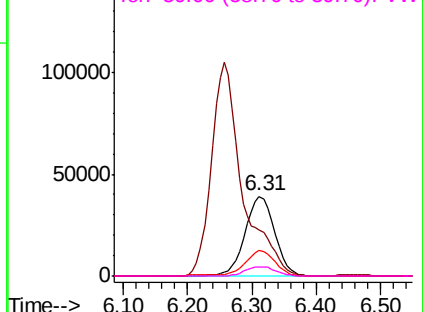
43 57.2 45.9 68.9

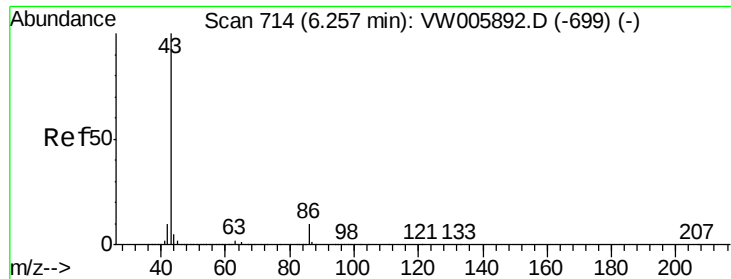
87 32.2 22.2 33.4

59 11.2 9.4 14.0



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: 78.231 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

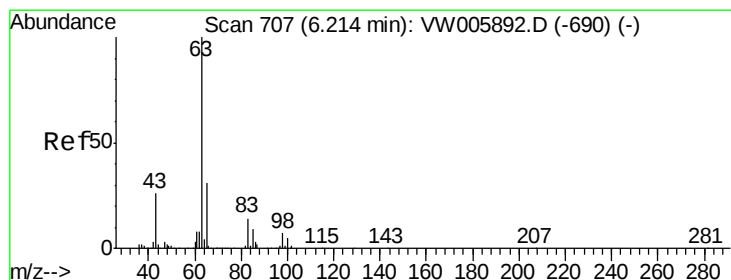
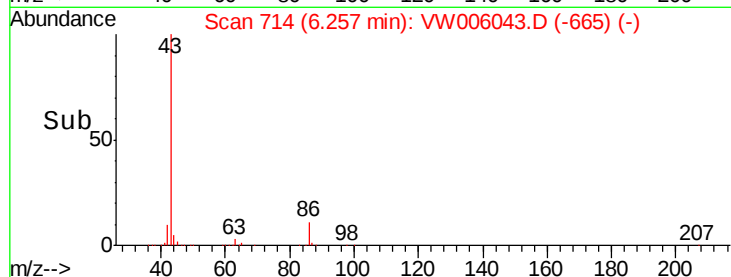
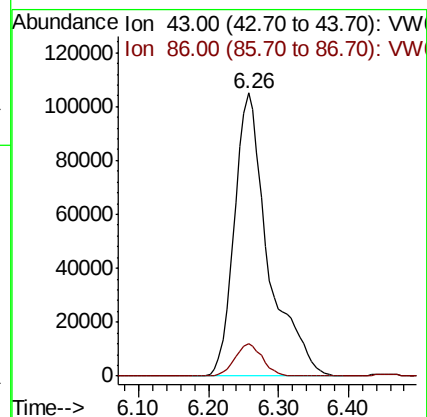
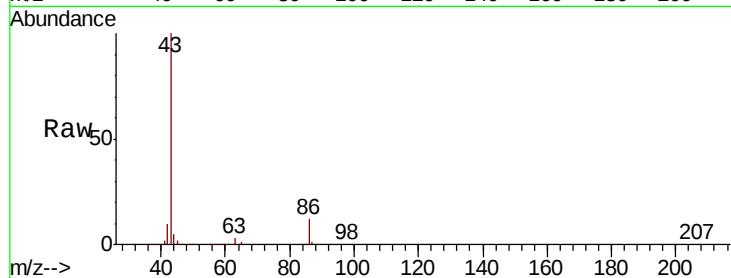
VW1013SBS01

Tgt Ion: 43 Resp: 352187

Ion Ratio Lower Upper

43 100

86 11.6 8.2 12.4



#24

1,1-Dichloroethane

Concen: 17.867 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

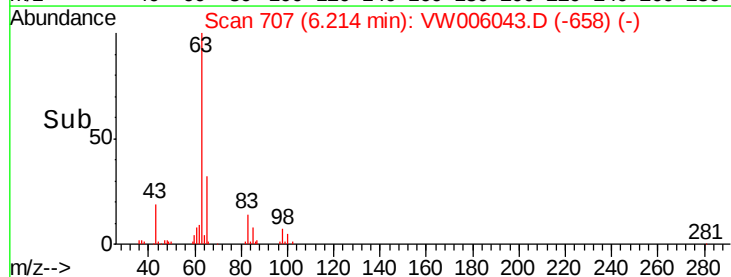
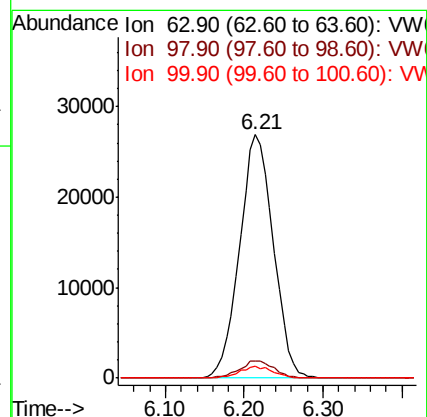
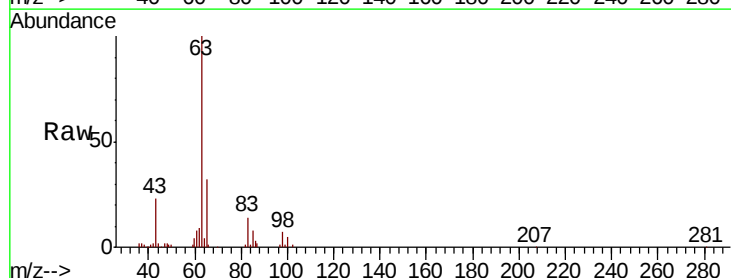
Tgt Ion: 63 Resp: 79975

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 82.707 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

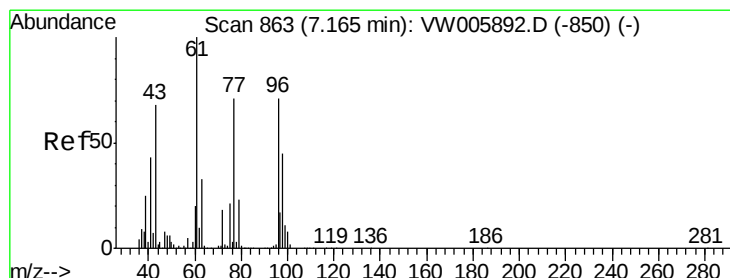
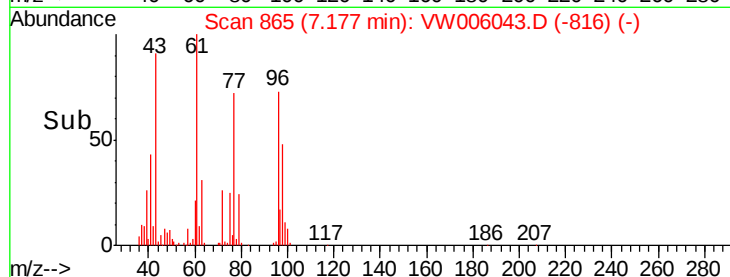
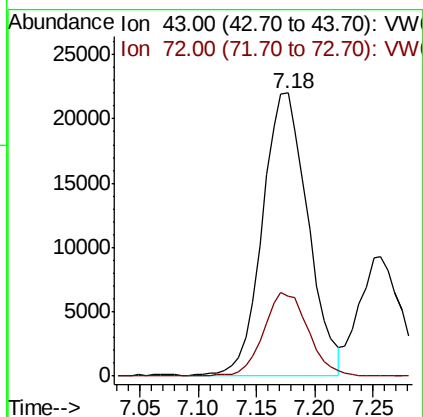
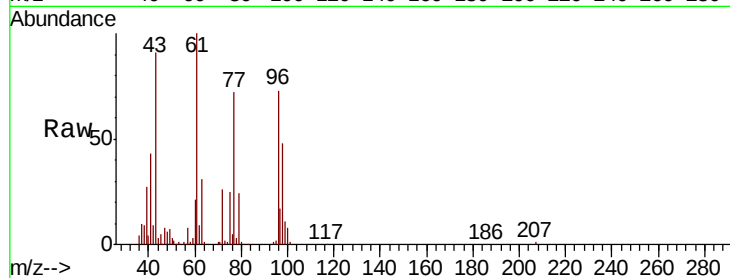
VW1013SBS01

Tgt Ion: 43 Resp: 59452

Ion Ratio Lower Upper

43 100

72 28.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.711 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW006043.D

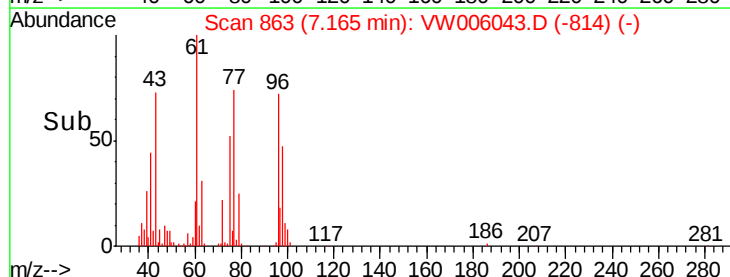
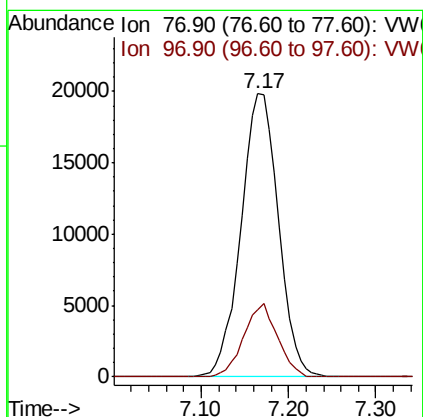
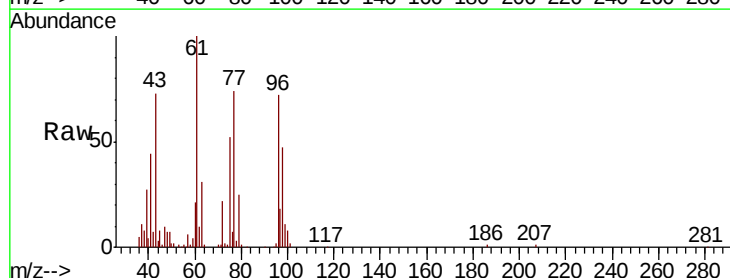
Acq: 12 Oct 2018 12:24

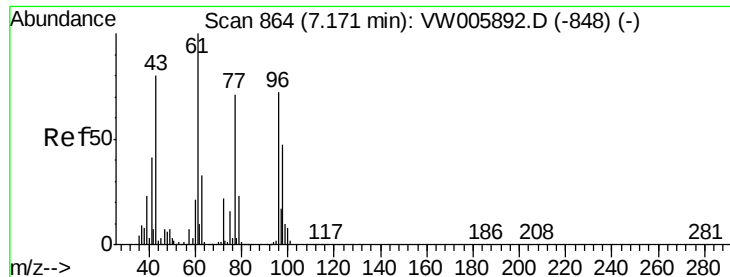
Tgt Ion: 77 Resp: 58942

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.7



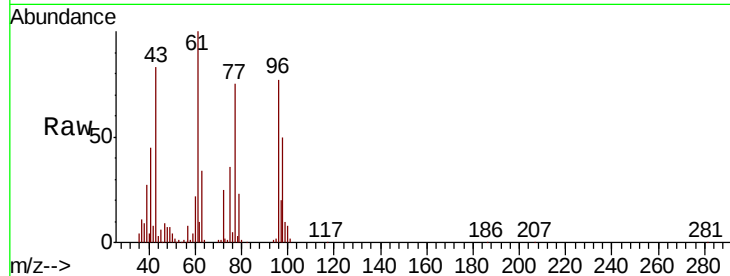


#27

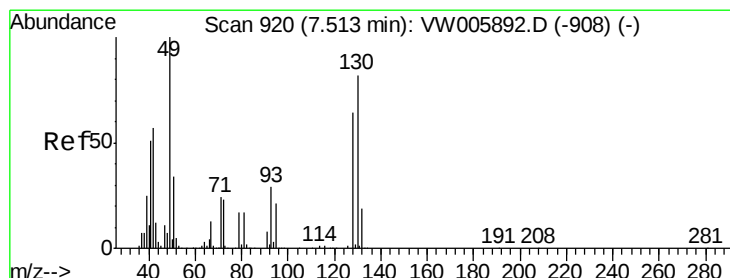
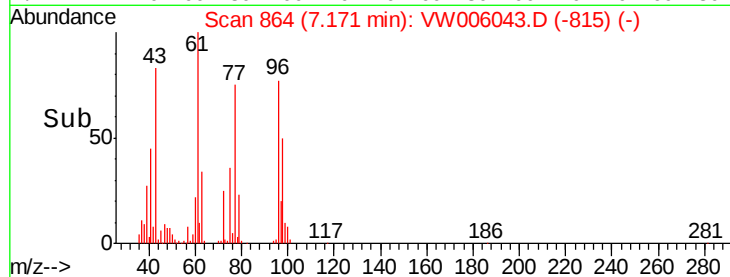
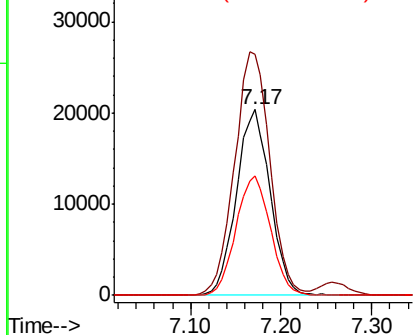
cis-1,2-Dichloroethene
 Concen: 18.596 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Tgt Ion: 96 Resp: 52592
 Ion Ratio Lower Upper
 96 100
 61 137.1 0.0 284.0
 98 65.5 0.0 129.8



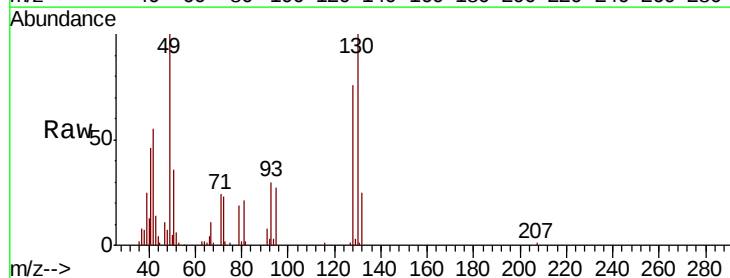
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



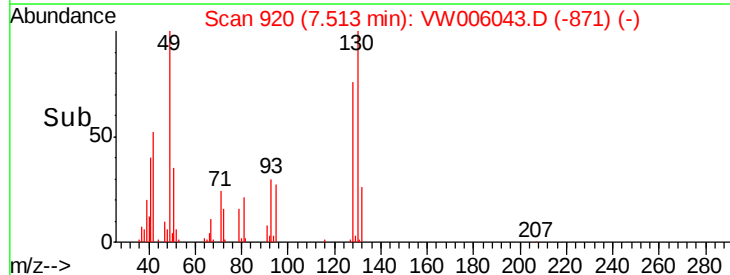
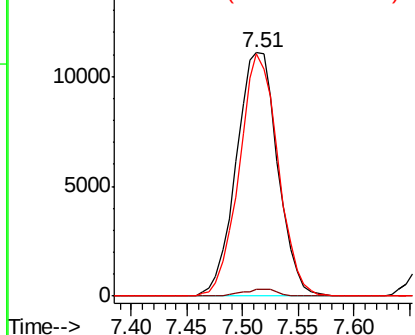
#28

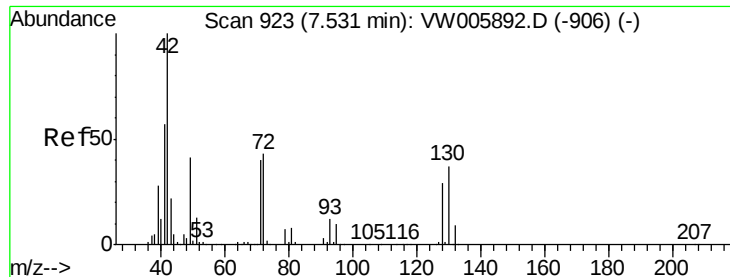
Bromochloromethane
 Concen: 17.311 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion: 49 Resp: 28601
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.0
 130 93.6 66.9 100.3



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

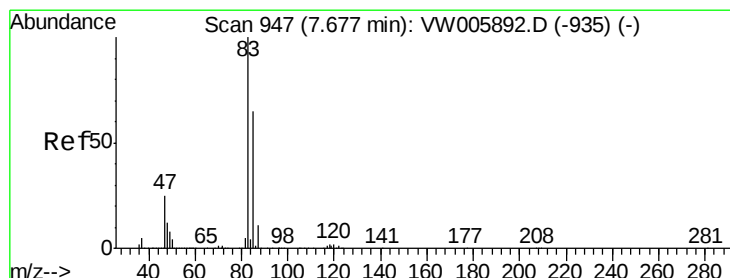
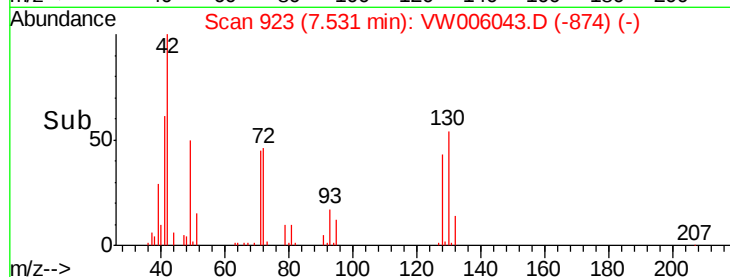
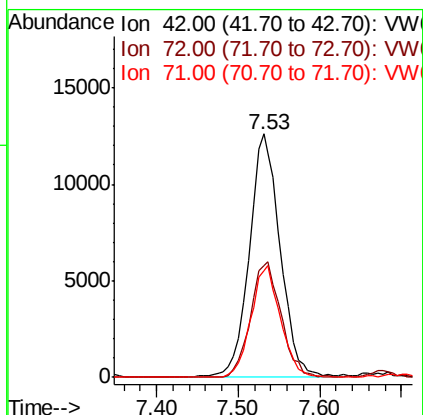
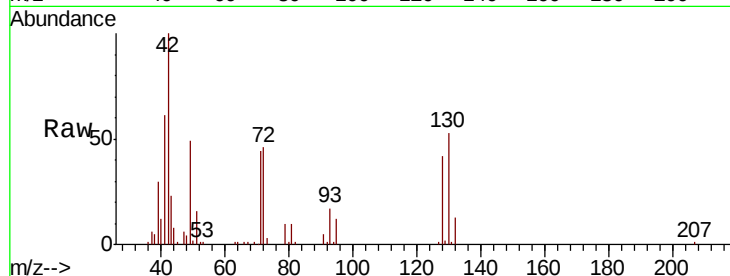




#29
Tetrahydrofuran
Concen: 73.529 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

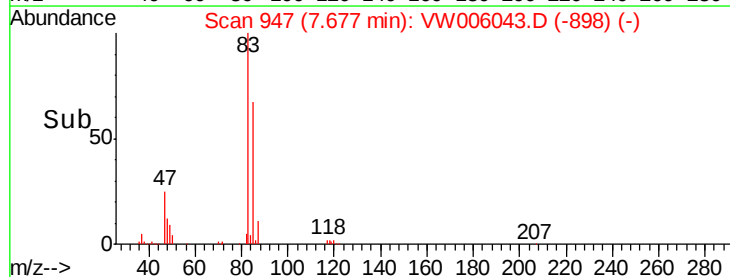
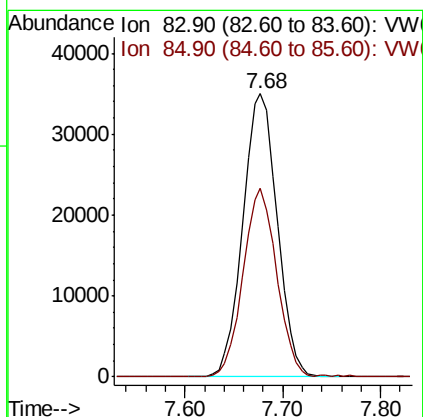
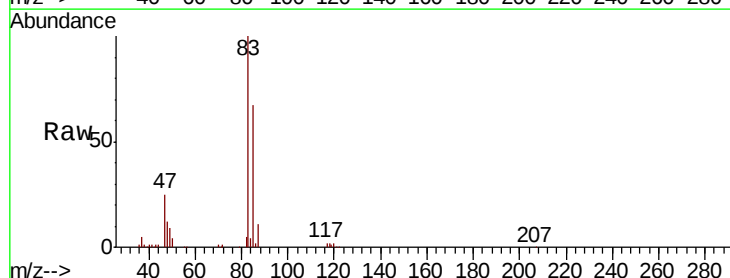
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

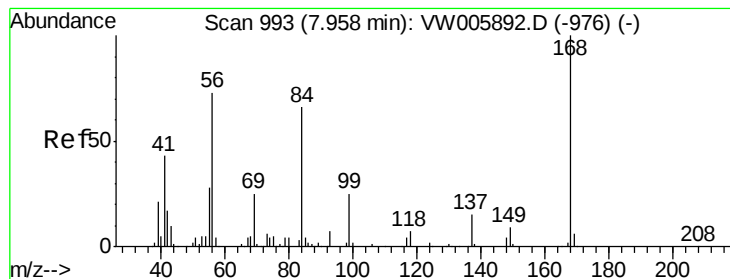
Tgt Ion: 42 Resp: 33412
Ion Ratio Lower Upper
42 100
72 46.5 34.6 51.8
71 43.4 32.6 49.0



#30
Chloroform
Concen: 18.532 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 83 Resp: 85202
Ion Ratio Lower Upper
83 100
85 66.5 51.6 77.4





#31

Cyclohexane

Concen: 17.157 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

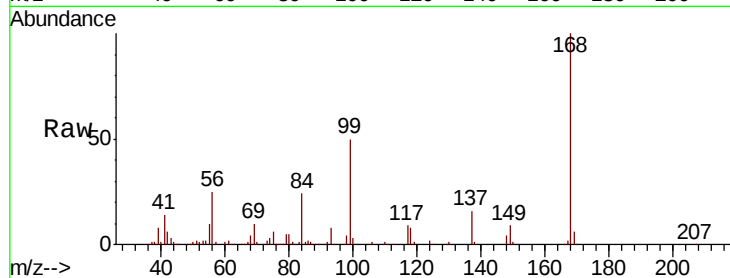
Tgt Ion: 56 Resp: 75996

Ion Ratio Lower Upper

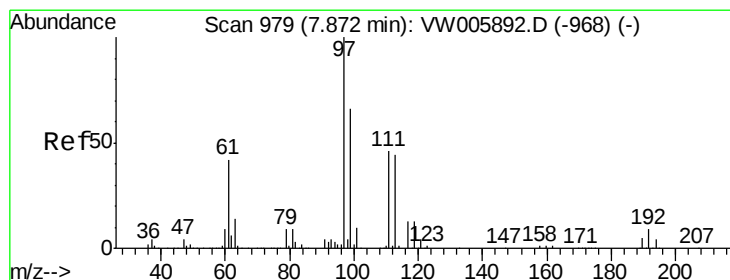
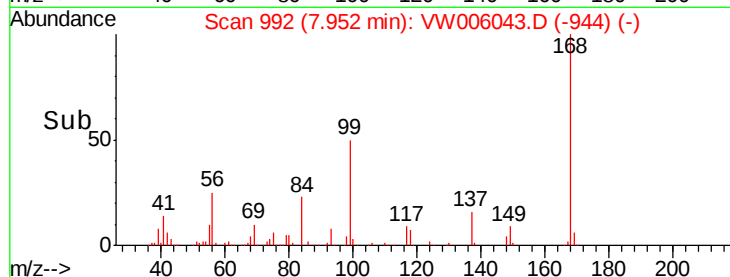
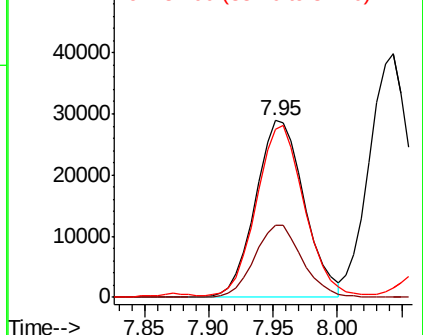
56 100

69 40.8 27.9 41.9

84 93.5 72.3 108.5



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



#32

1,1,1-Trichloroethane

Concen: 18.652 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

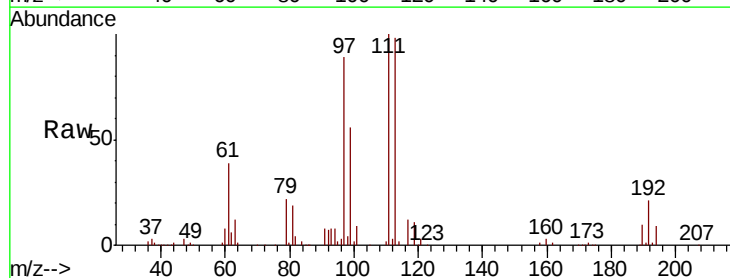
Tgt Ion: 97 Resp: 76369

Ion Ratio Lower Upper

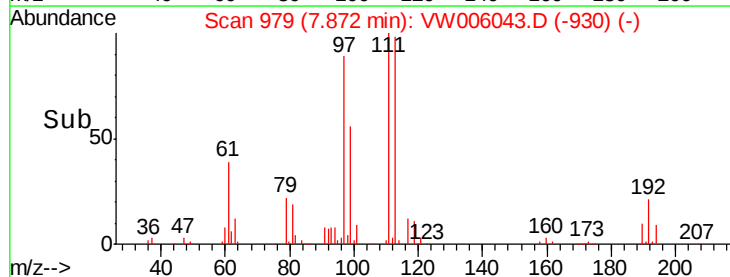
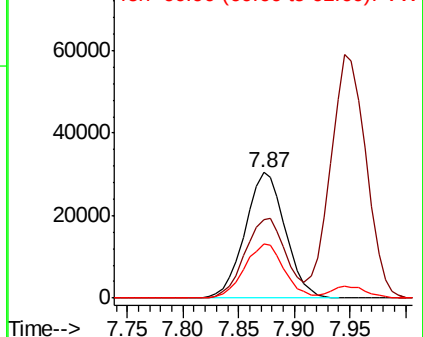
97 100

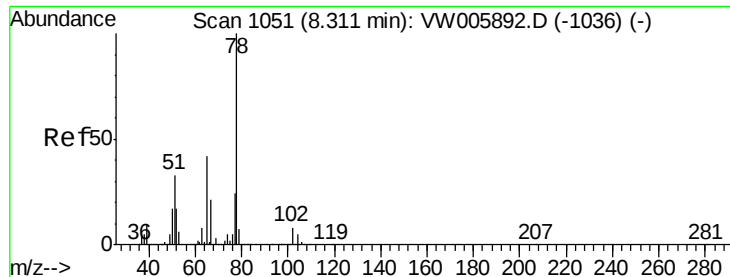
99 64.8 51.6 77.4

61 43.0 34.5 51.7



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

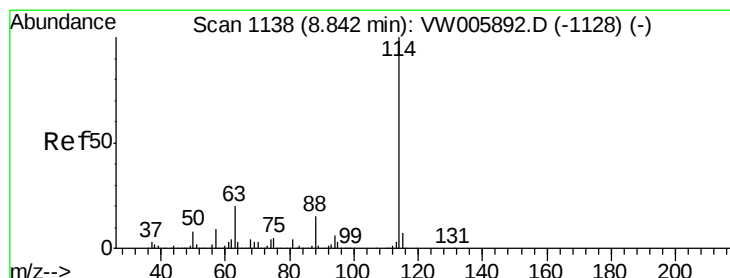
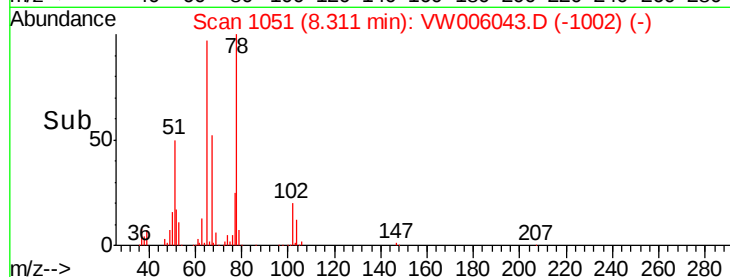
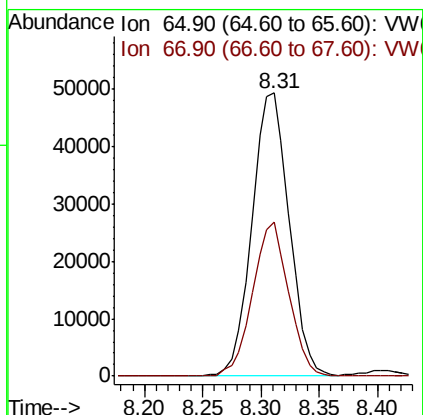
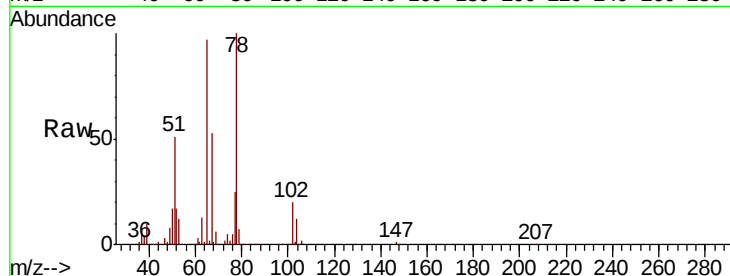




#33
 1,2-Dichloroethane-d4
 Concen: 43.124 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

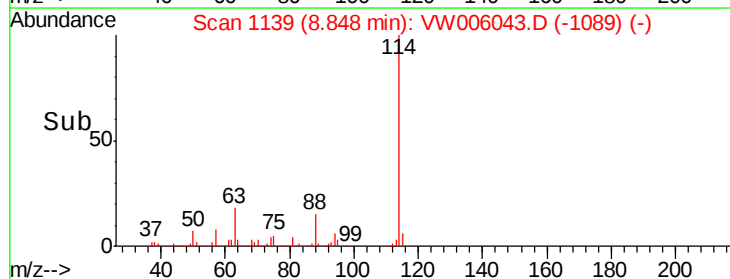
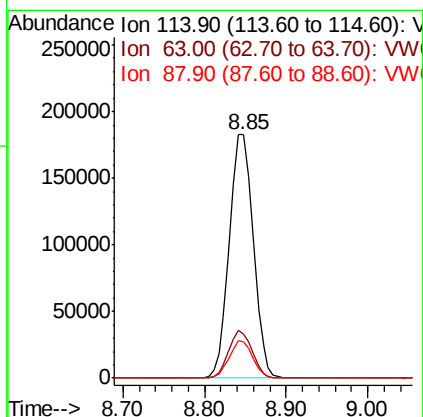
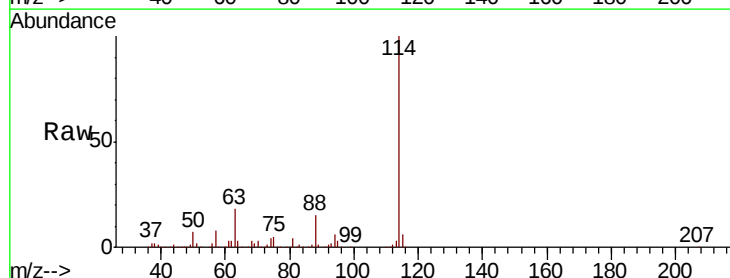
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

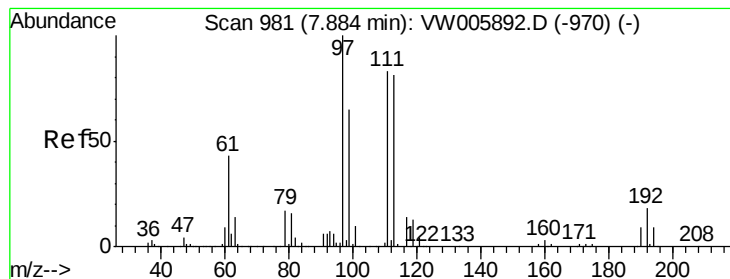
Tgt Ion: 65 Resp: 109113
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion: 114 Resp: 370424
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.2
 88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.973 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

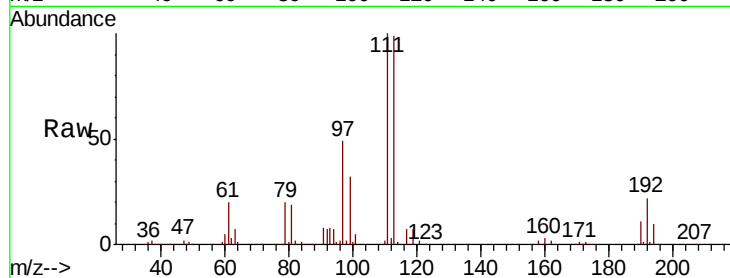
Tgt Ion:113 Resp: 115820

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

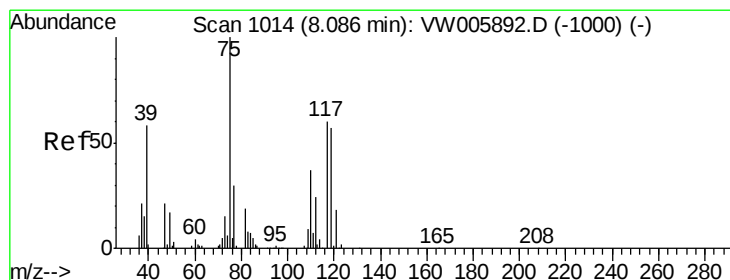
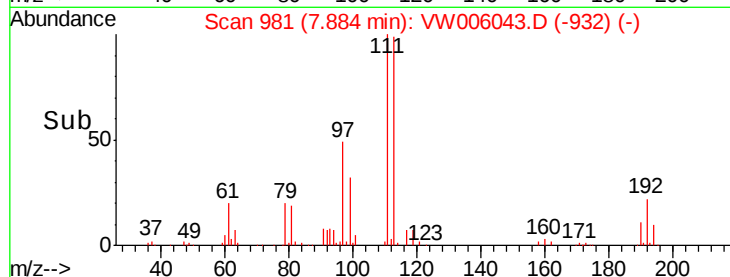
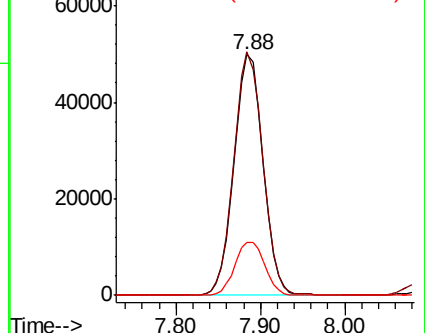
192 22.7 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.104 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

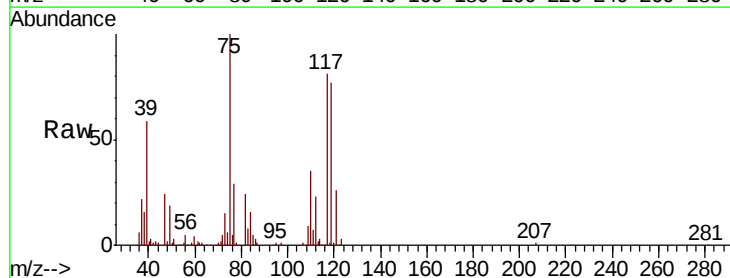
Tgt Ion: 75 Resp: 67807

Ion Ratio Lower Upper

75 100

110 37.8 18.6 56.0

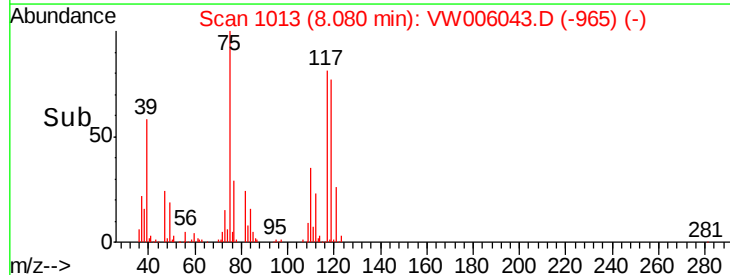
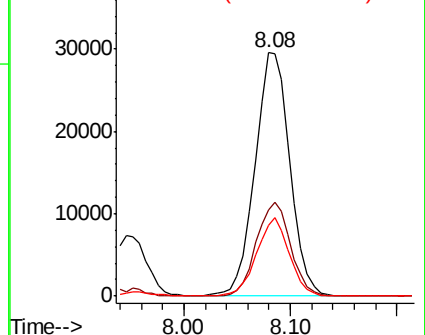
77 30.3 24.7 37.1



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

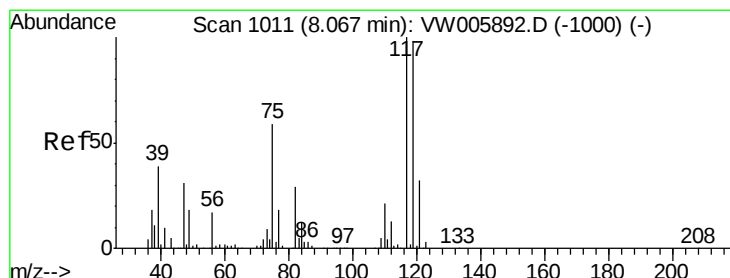
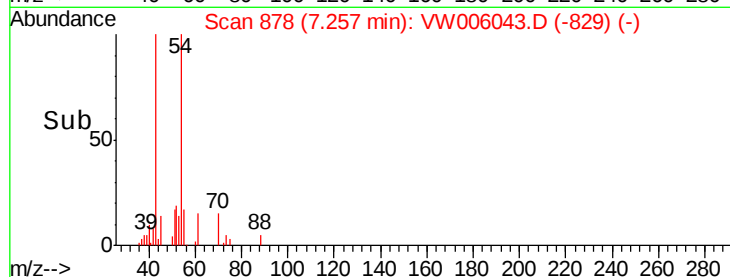
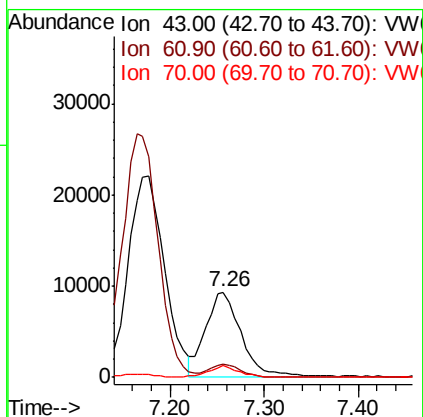
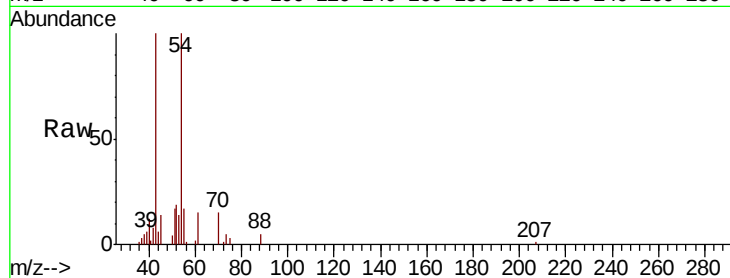




#37
 Ethyl Acetate
 Concen: 16.001 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

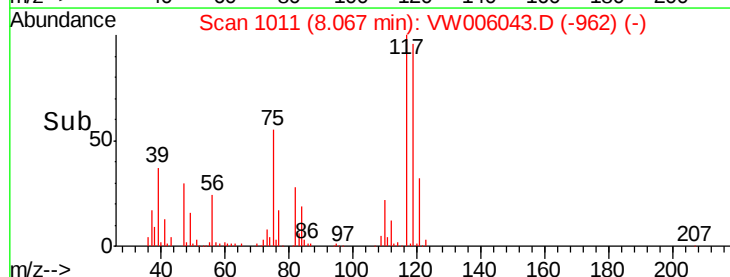
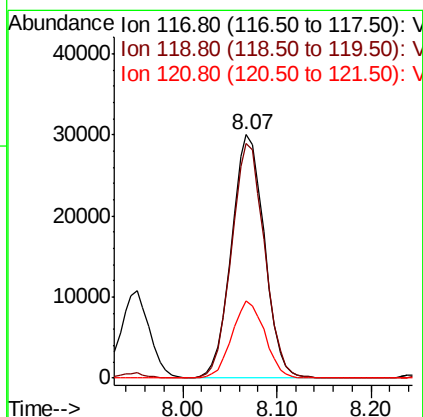
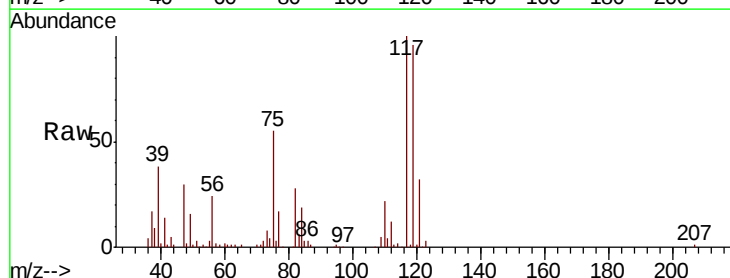
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

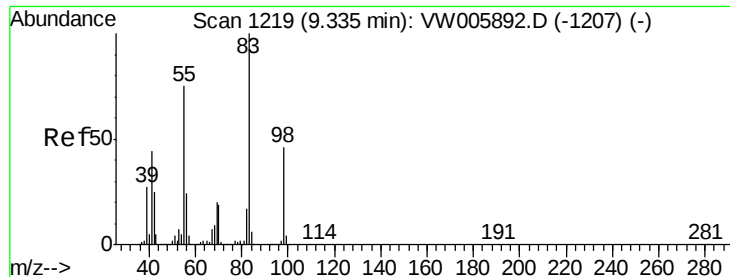
Tgt Ion:	43	Resp:	24051
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	16.0
70	11.9	8.6	13.0



#38
 Carbon Tetrachloride
 Concen: 19.149 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:	117	Resp:	73022
Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.6	117.8
121	31.7	25.3	37.9

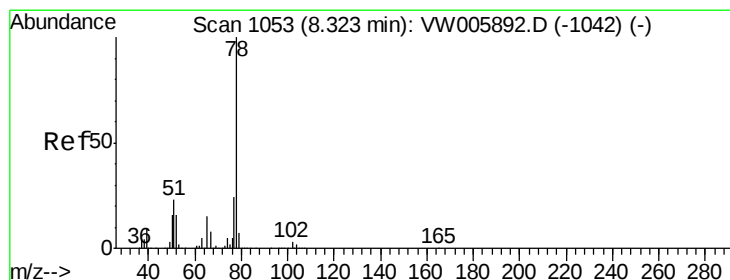
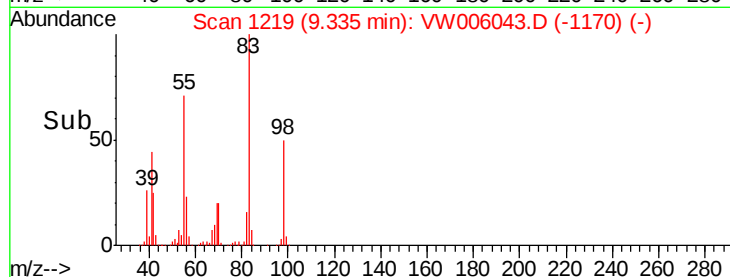
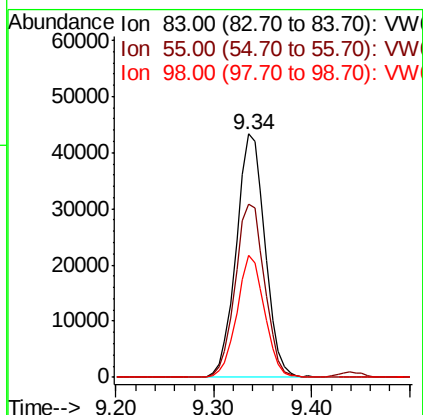
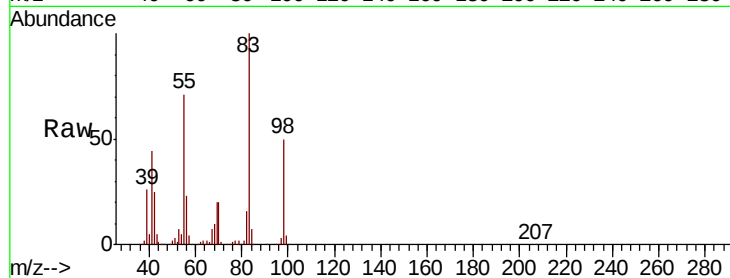




#39
Methylcyclohexane
Concen: 18.838 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

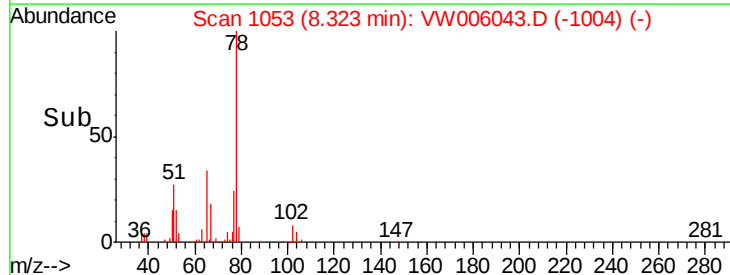
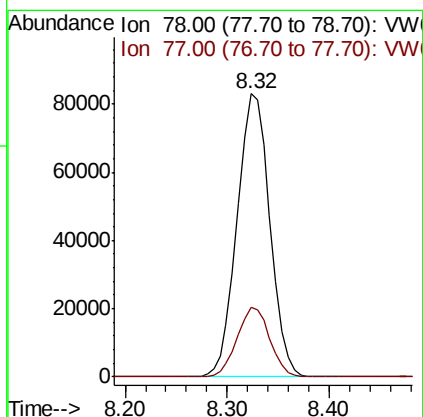
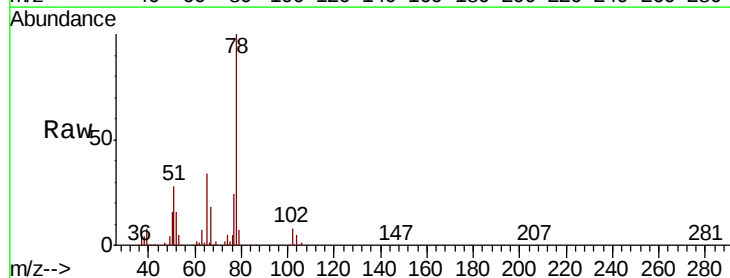
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

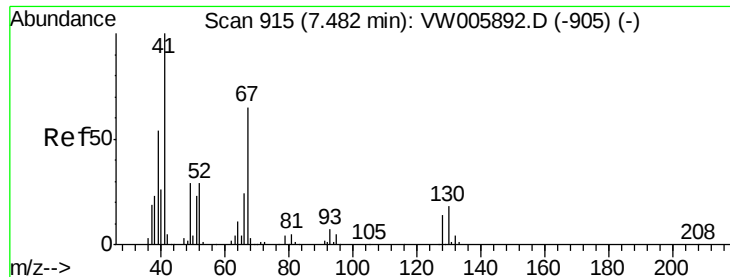
Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.8	89.6
98	50.1	37.1	55.7



#40
Benzene
Concen: 19.056 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 15.689 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

Tgt Ion: 41 Resp: 14764

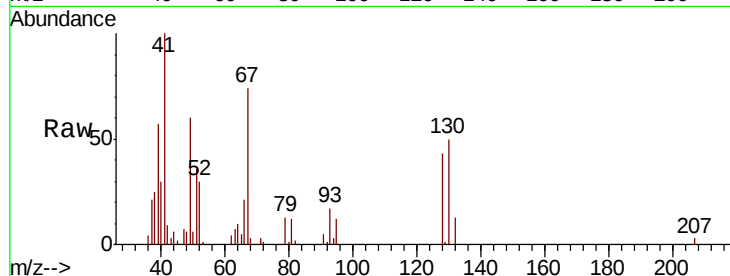
Ion Ratio Lower Upper

41 100

39 55.3 45.0 67.4

67 74.0 55.8 83.8

52 31.9 25.3 37.9



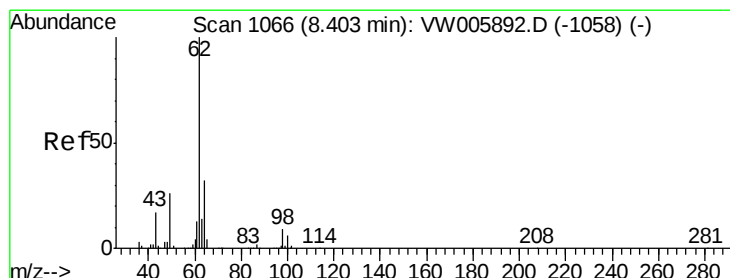
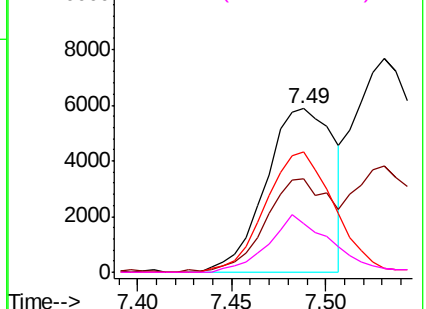
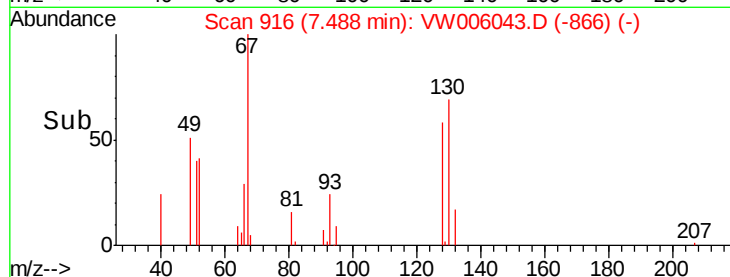
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 18.075 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006043.D

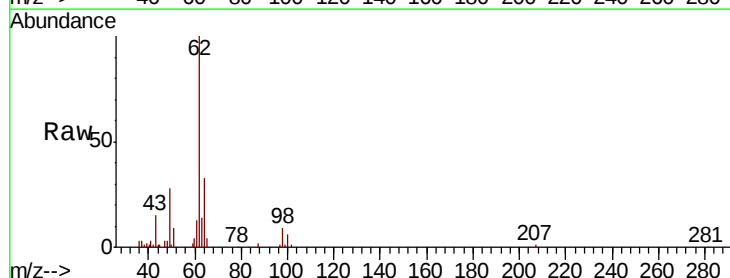
Acq: 12 Oct 2018 12:24

Tgt Ion: 62 Resp: 53048

Ion Ratio Lower Upper

62 100

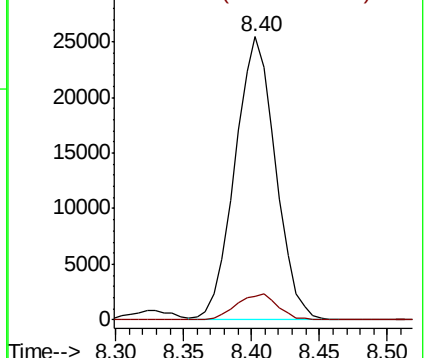
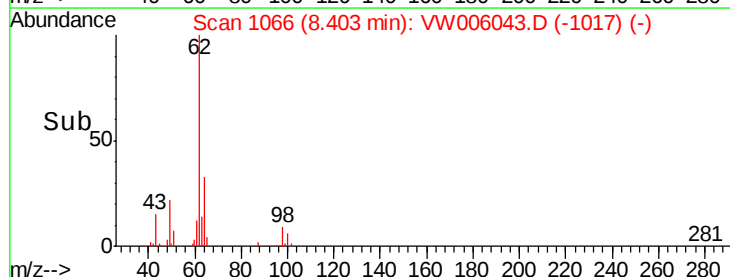
98 9.4 0.0 18.0

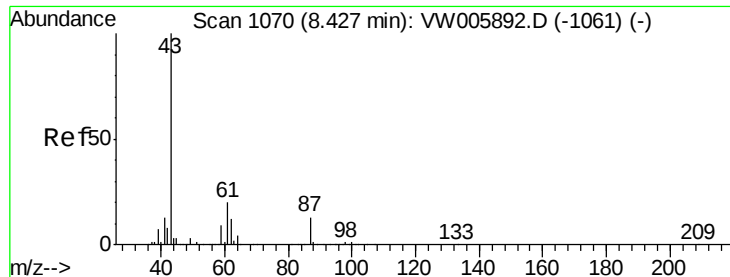


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 15.531 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

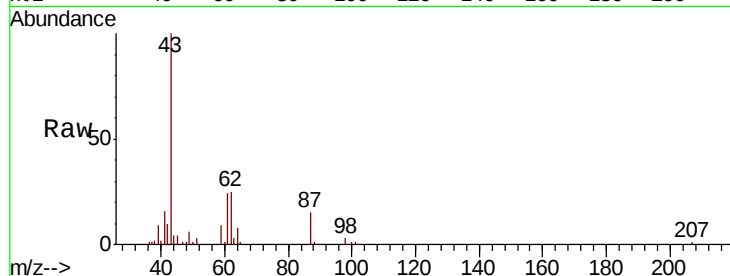
Tgt Ion: 43 Resp: 48763

Ion Ratio Lower Upper

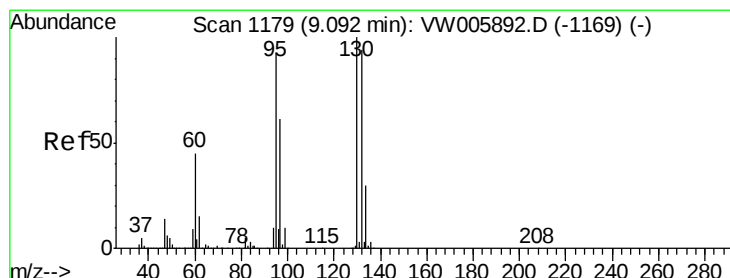
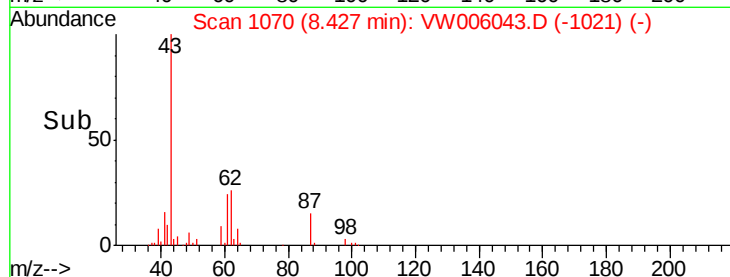
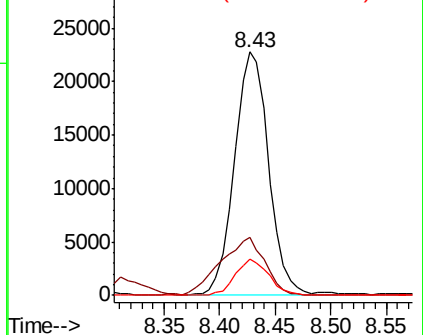
43 100

61 30.5 23.1 34.7

87 14.4 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.164 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006043.D

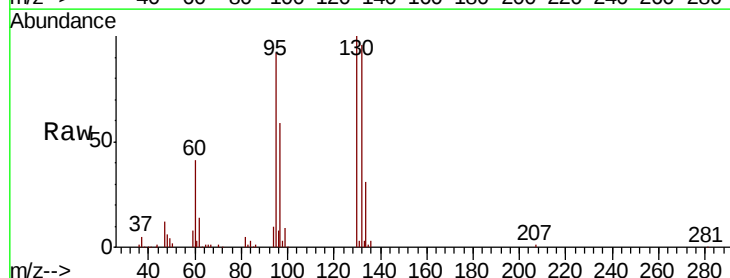
Acq: 12 Oct 2018 12:24

Tgt Ion: 130 Resp: 56835

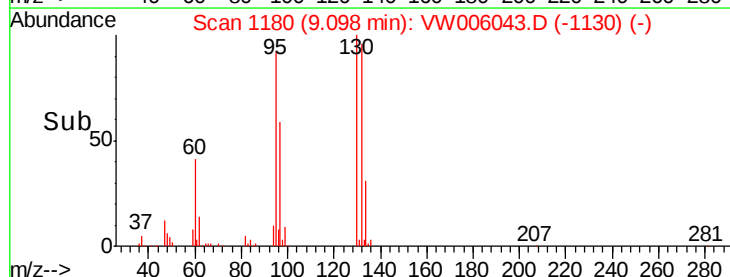
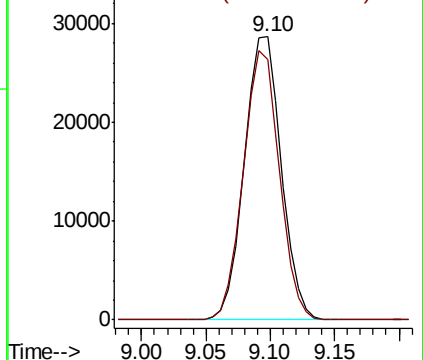
Ion Ratio Lower Upper

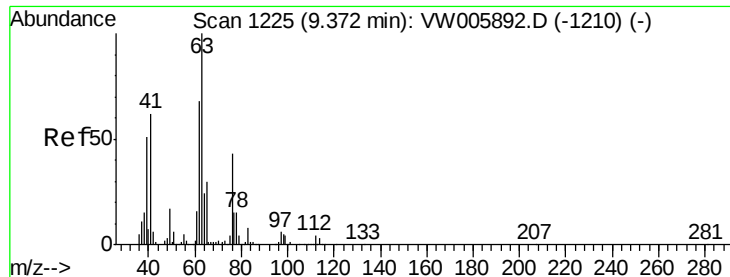
130 100

95 91.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

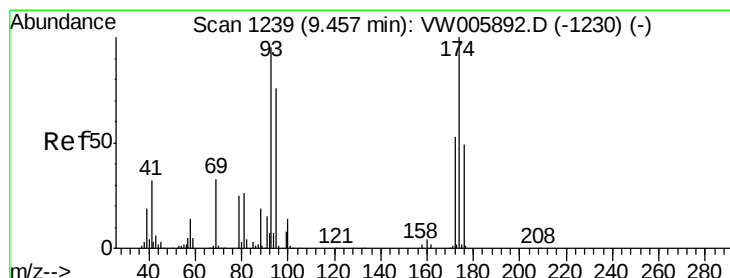
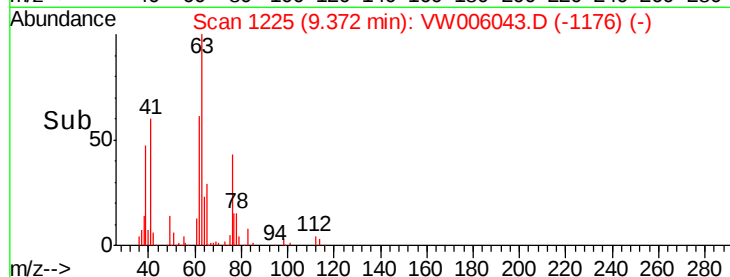
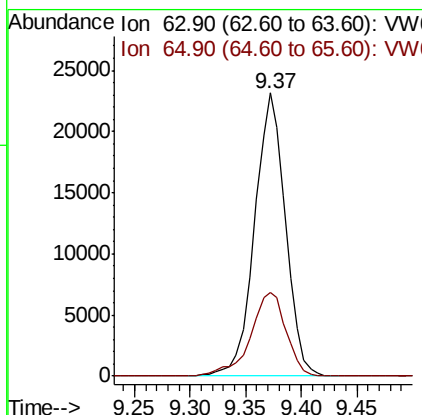
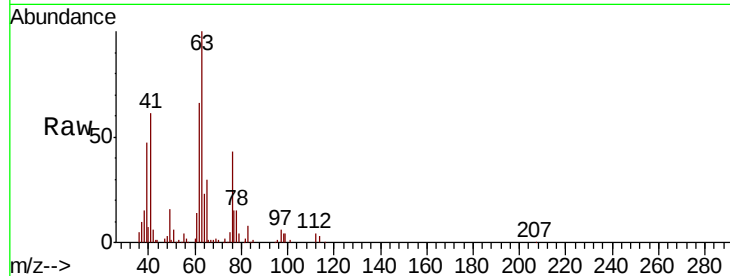




#45
 1,2-Dichloropropane
 Concen: 18.359 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

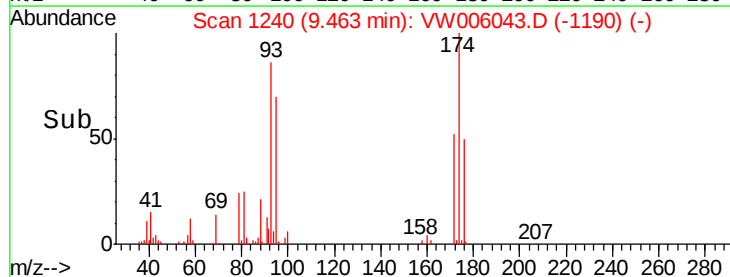
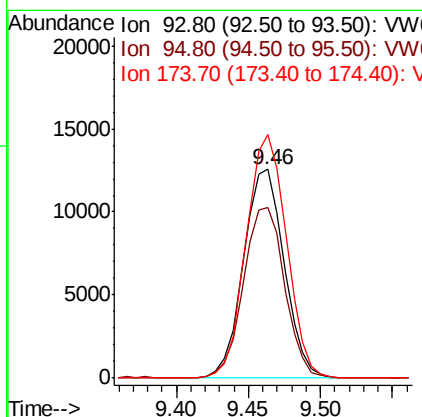
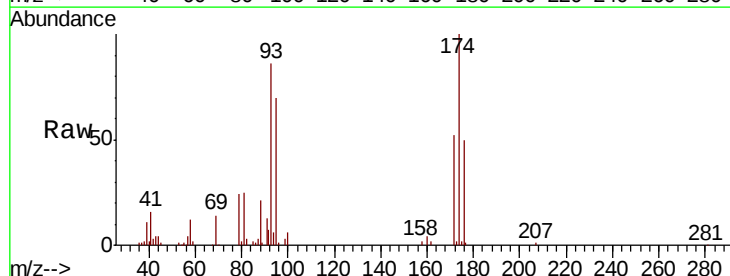
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

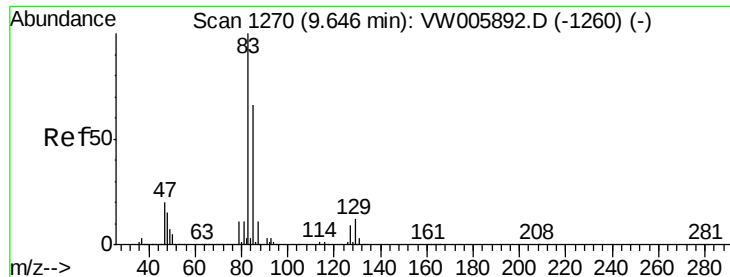
Tgt Ion: 63 Resp: 44642
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.3 36.5



#46
 Dibromomethane
 Concen: 18.400 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion: 93 Resp: 24591
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 99.8
 174 115.6 90.4 135.6





#47

Bromodichloromethane

Concen: 17.606 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

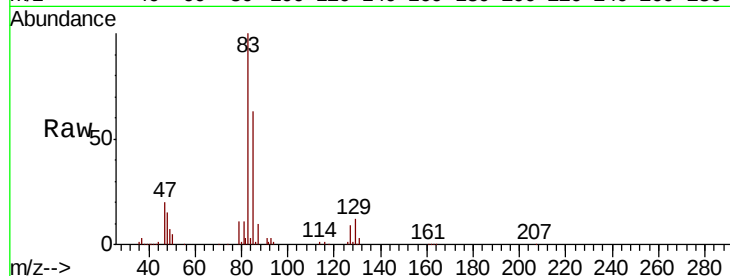
Tgt Ion: 83 Resp: 59209

Ion Ratio Lower Upper

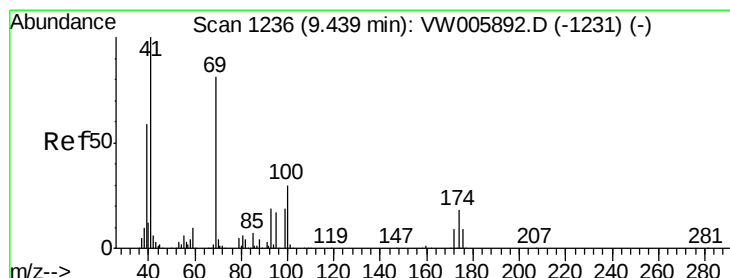
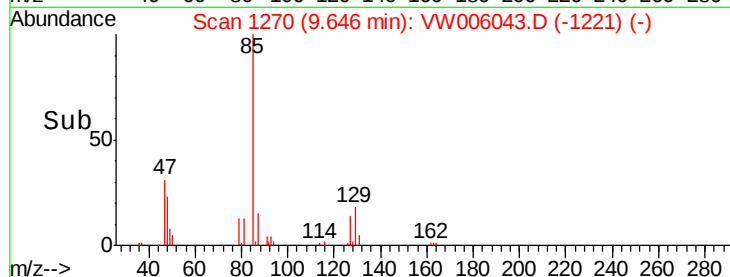
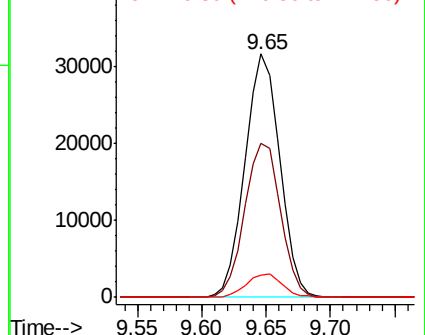
83 100

85 63.5 53.0 79.6

127 9.1 7.4 11.0



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): VW



#48

Methyl methacrylate

Concen: 15.242 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

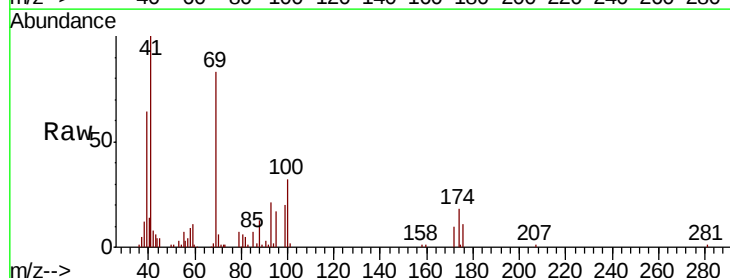
Tgt Ion: 41 Resp: 22797

Ion Ratio Lower Upper

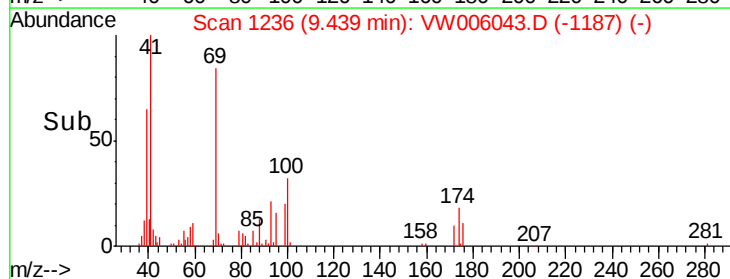
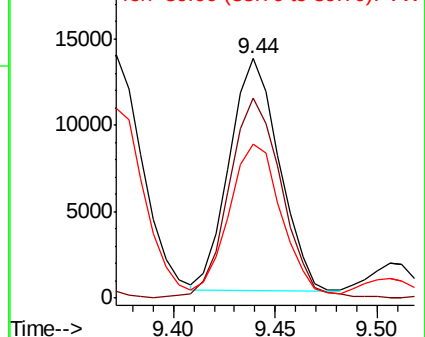
41 100

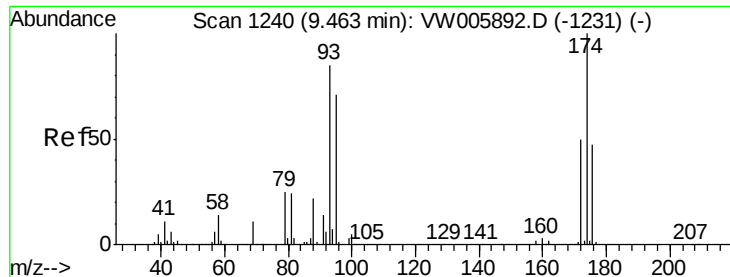
69 91.4 68.7 103.1

39 67.0 50.0 75.0



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: 352.214 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

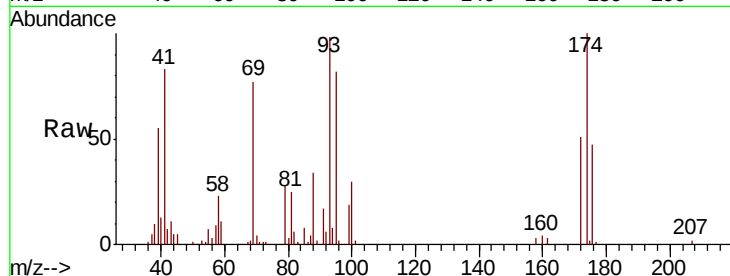
Tgt Ion: 88 Resp: 7150

Ion Ratio Lower Upper

88 100

43 25.6 0.0 0.0#

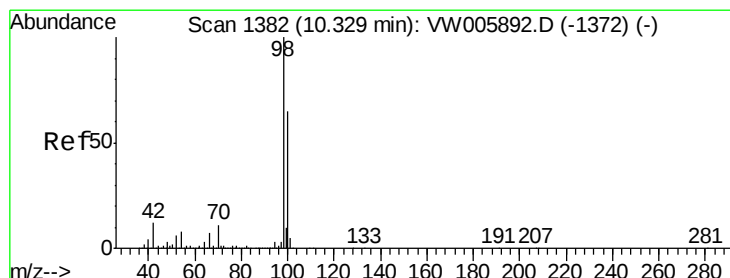
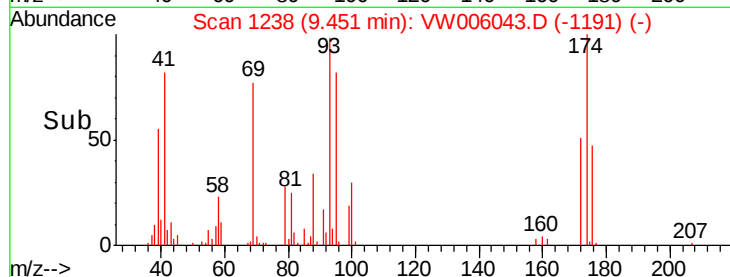
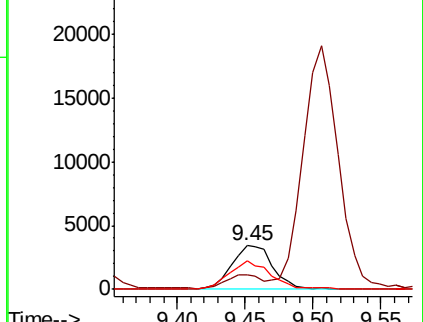
58 65.0 57.7 86.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.344 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006043.D

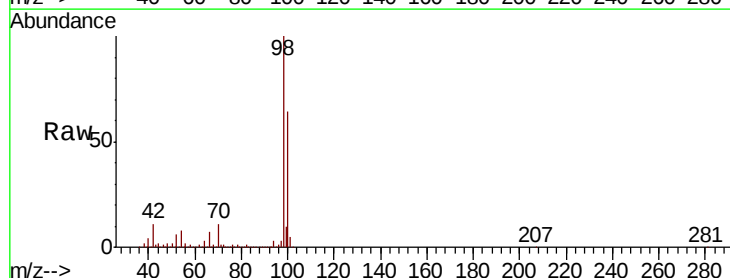
Acq: 12 Oct 2018 12:24

Tgt Ion: 98 Resp: 448990

Ion Ratio Lower Upper

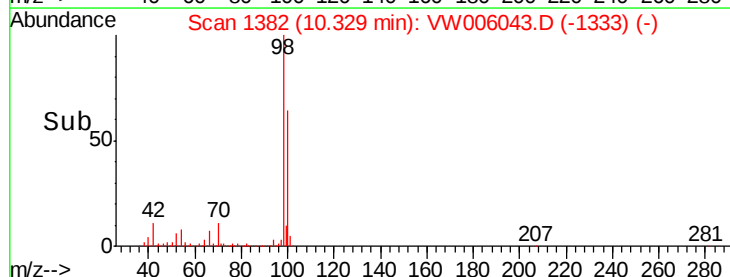
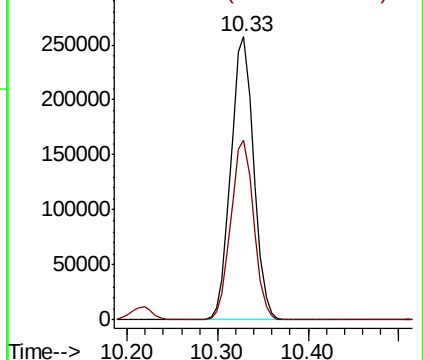
98 100

100 63.9 51.9 77.9



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: 79.465 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

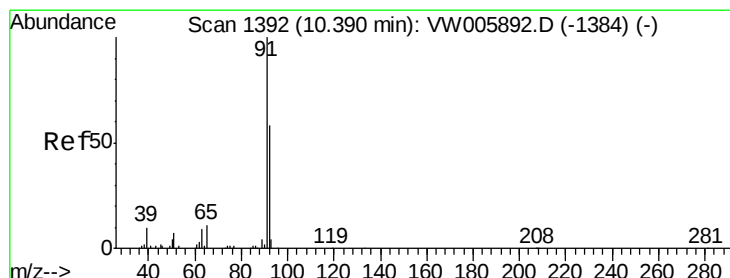
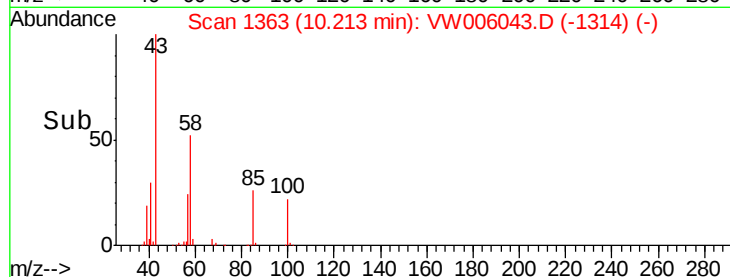
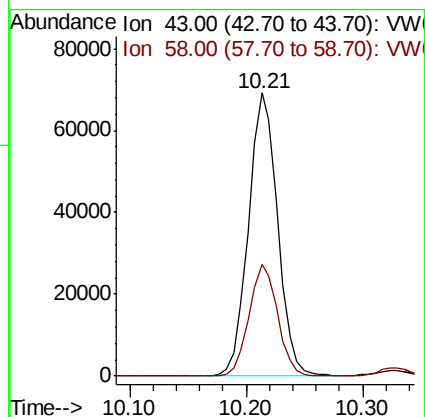
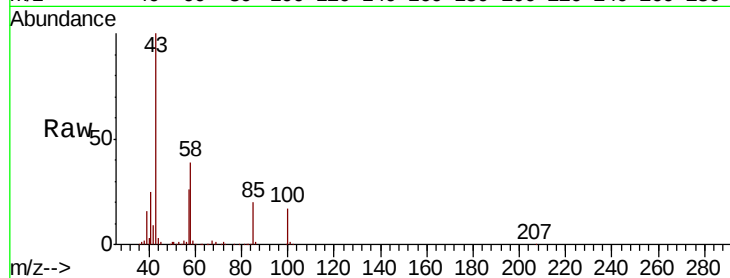
VW1013SBS01

Tgt Ion: 43 Resp: 121499

Ion Ratio Lower Upper

43 100

58 38.8 30.2 45.4



#52

Toluene

Concen: 19.613 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006043.D

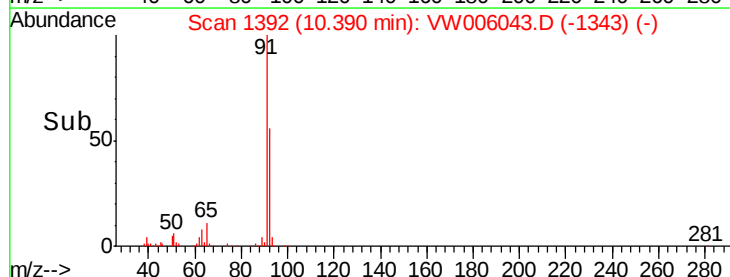
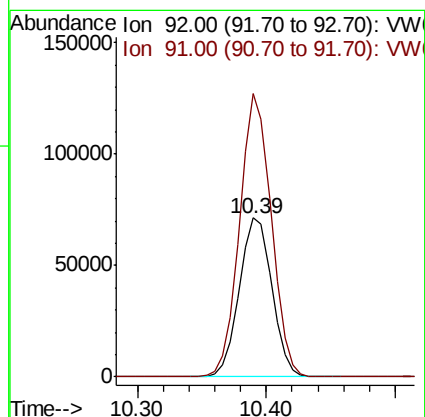
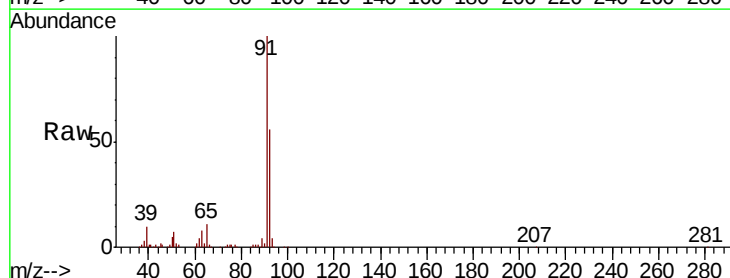
Acq: 12 Oct 2018 12:24

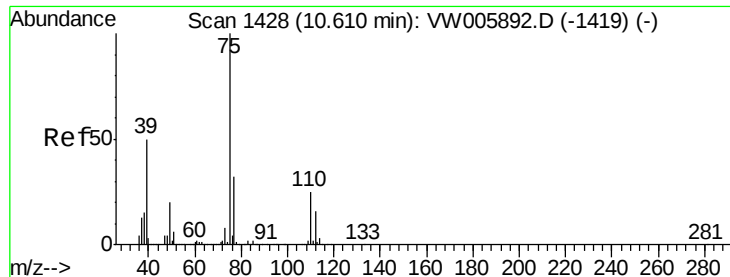
Tgt Ion: 92 Resp: 125168

Ion Ratio Lower Upper

92 100

91 173.0 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 16.735 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

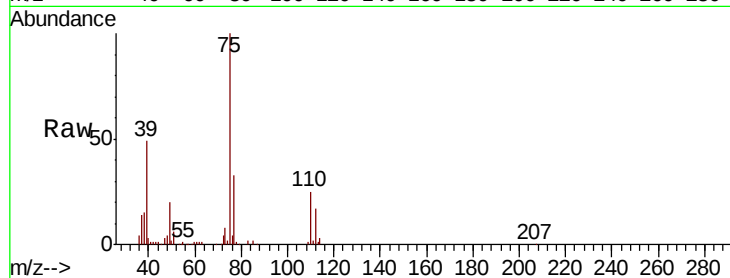
VW1013SBS01

Tgt Ion: 75 Resp: 58817

Ion Ratio Lower Upper

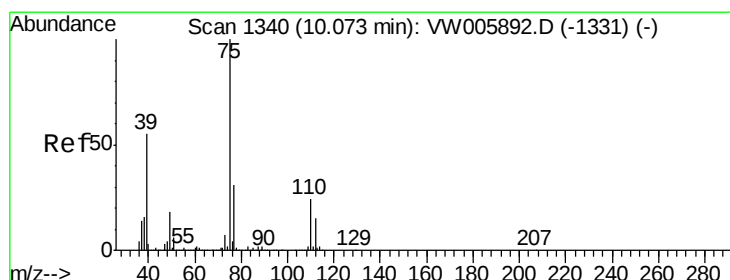
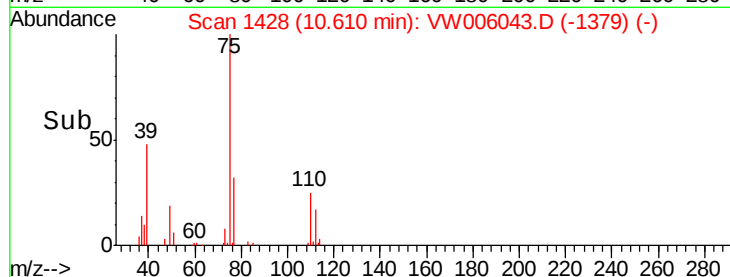
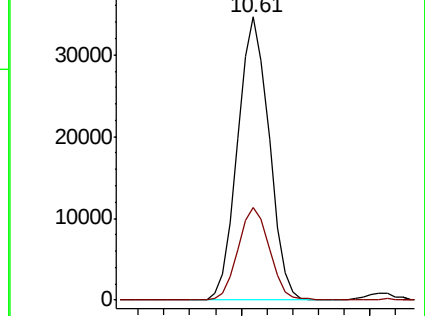
75 100

77 32.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 17.189 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

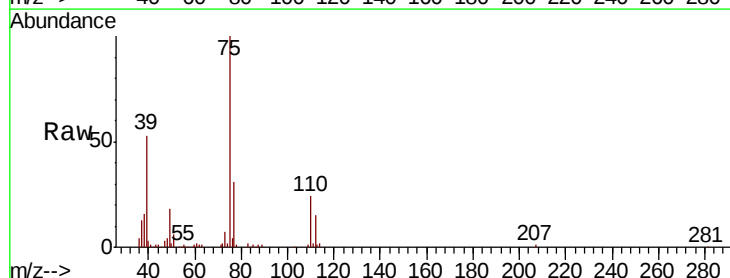
Tgt Ion: 75 Resp: 67907

Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0

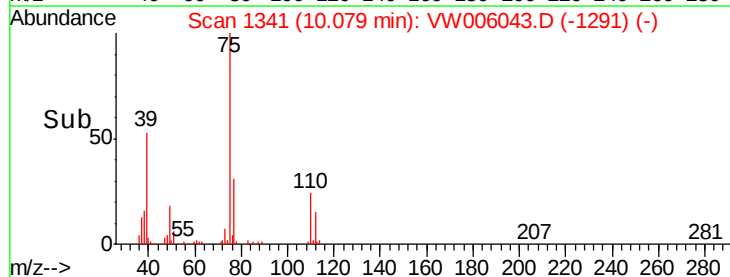
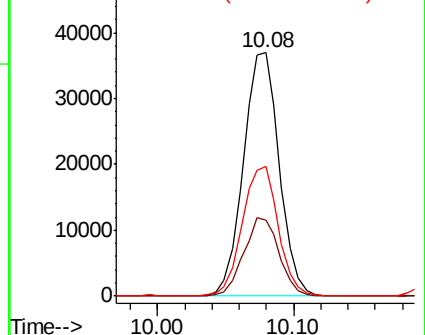
39 53.0 44.2 66.4

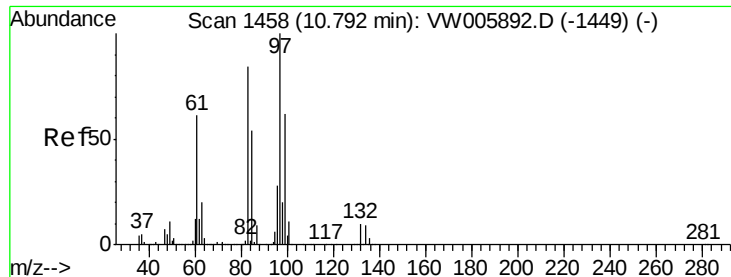


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

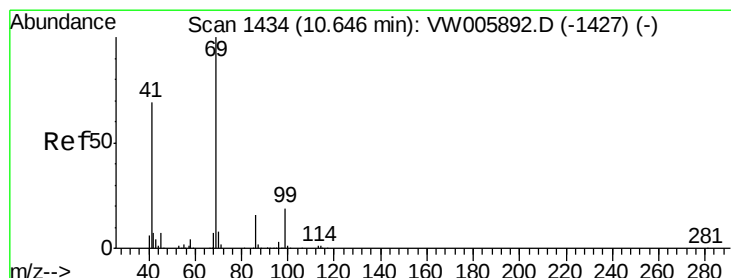
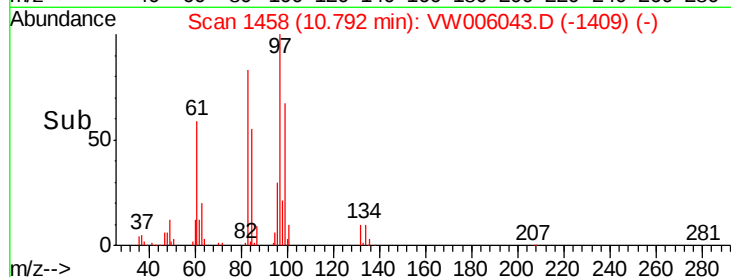
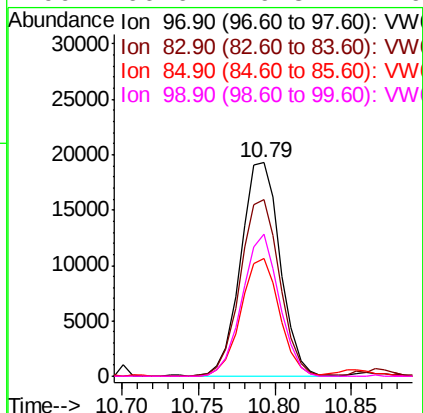
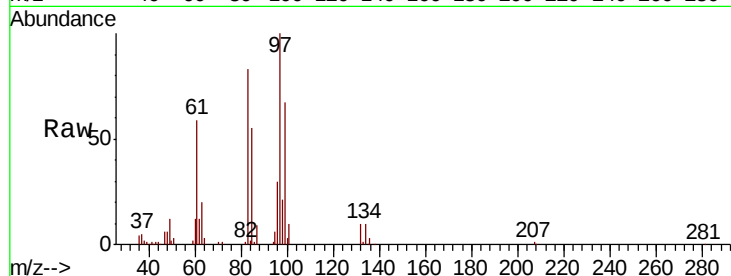




#55
 1,1,2-Trichloroethane
 Concen: 18.686 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

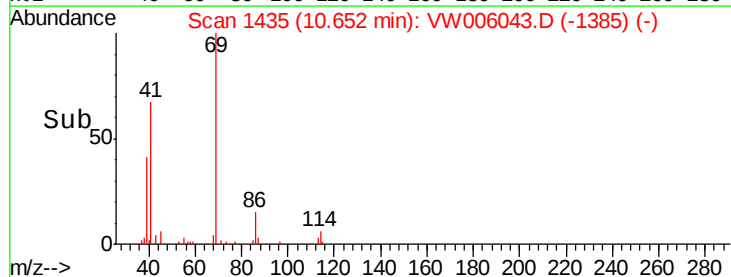
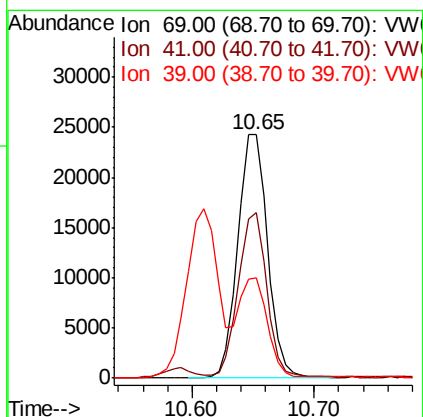
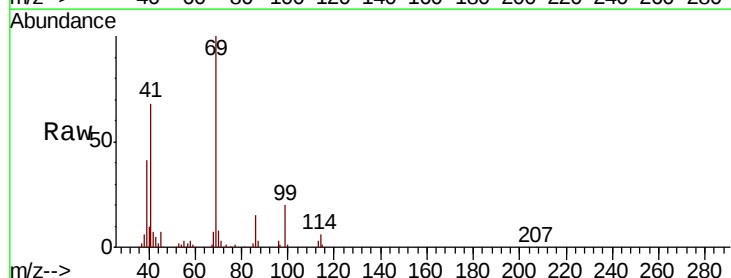
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

Tgt Ion:	97	Resp:	34590
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.9	100.3
85	55.3	43.4	65.0
99	66.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 16.482 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:	69	Resp:	41121
Ion	Ratio	Lower	Upper
69	100		
41	64.2	56.0	84.0
39	36.8	33.5	50.3





#57

1,3-Dichloropropane

Concen: 18.054 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

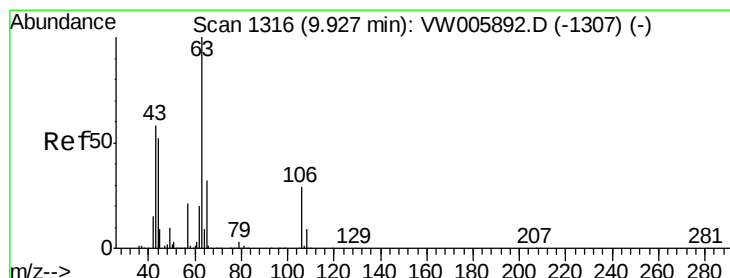
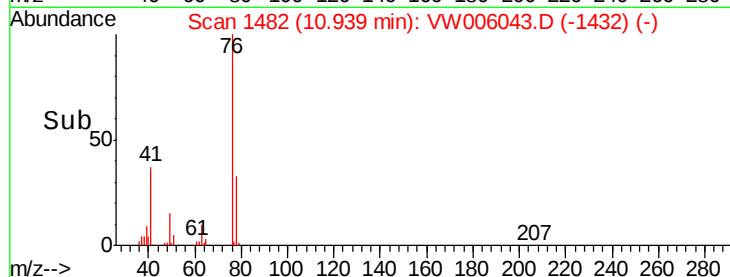
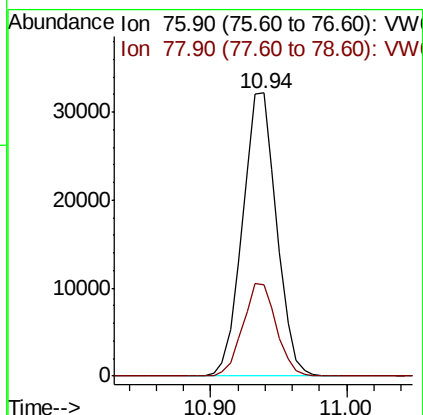
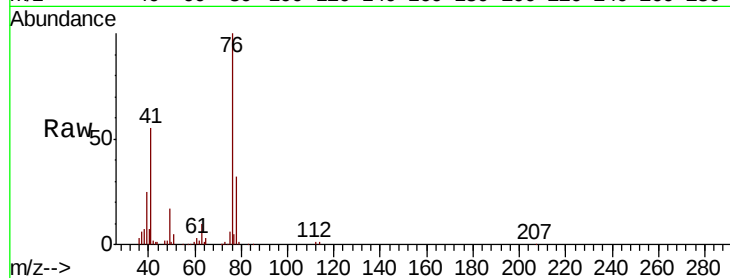
VW1013SBS01

Tgt Ion: 76 Resp: 56221

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 87.826 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006043.D

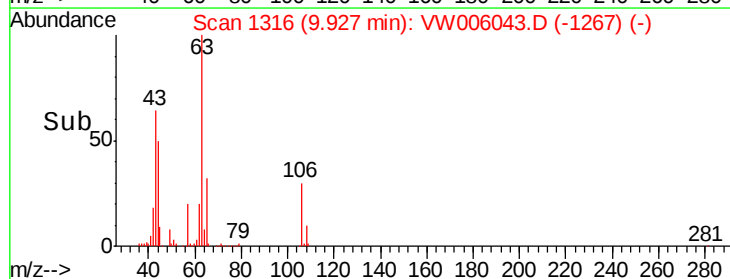
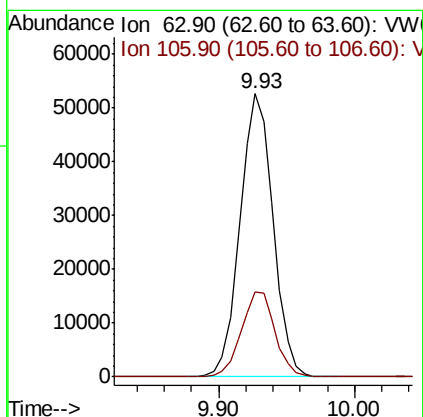
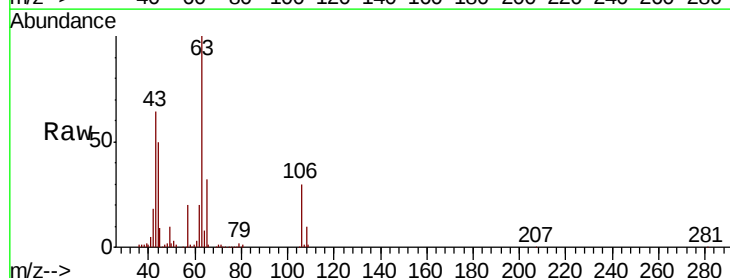
Acq: 12 Oct 2018 12:24

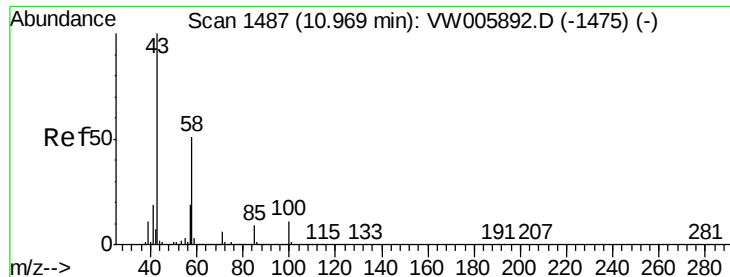
Tgt Ion: 63 Resp: 89157

Ion Ratio Lower Upper

63 100

106 30.4 23.6 35.4

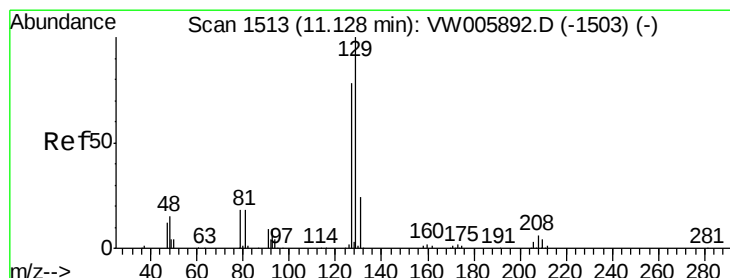
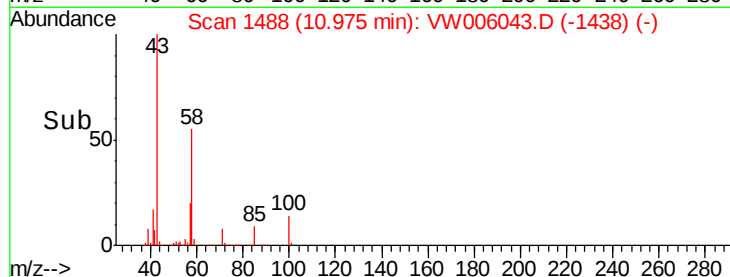
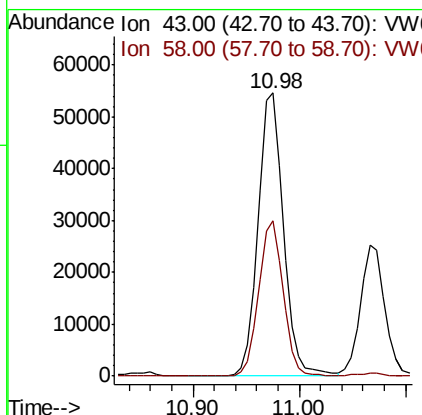
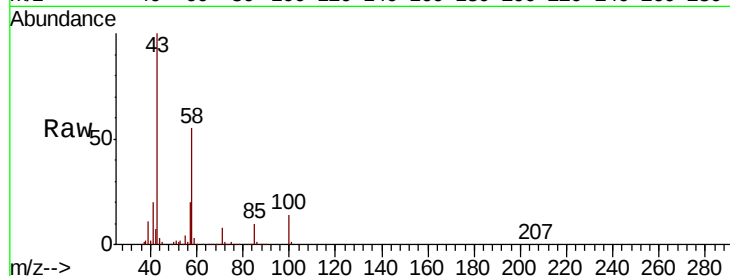




#59
2-Hexanone
Concen: 83.892 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

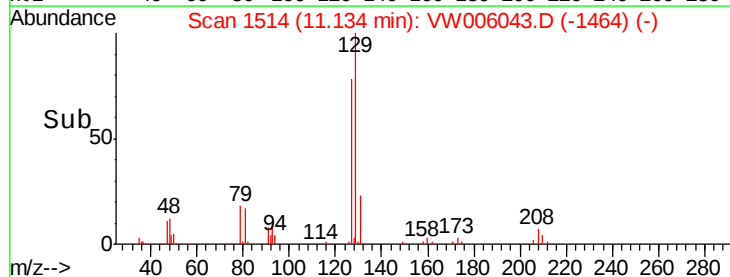
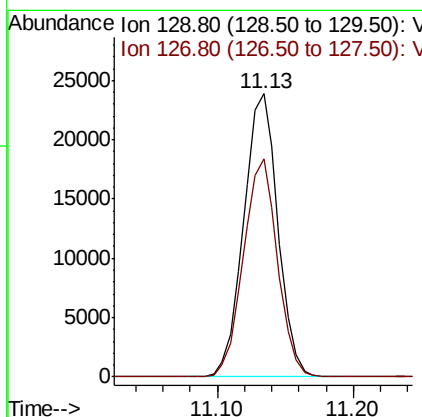
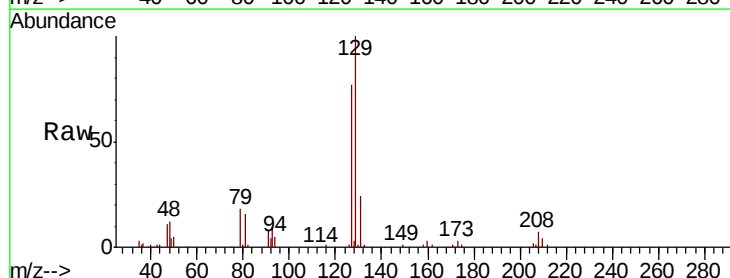
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion: 43 Resp: 91970
Ion Ratio Lower Upper
43 100
58 52.8 25.7 77.1



#60
Dibromochloromethane
Concen: 17.599 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 129 Resp: 42039
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.126 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

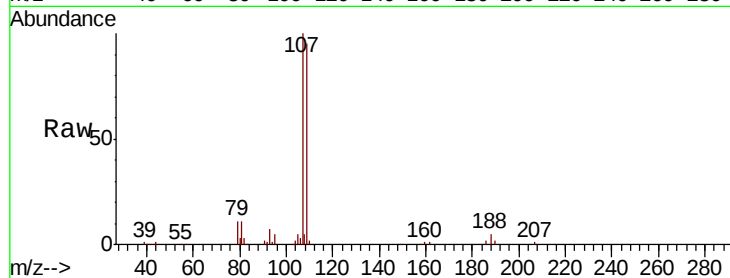
VW1013SBS01

Tgt Ion: 107 Resp: 33528

Ion Ratio Lower Upper

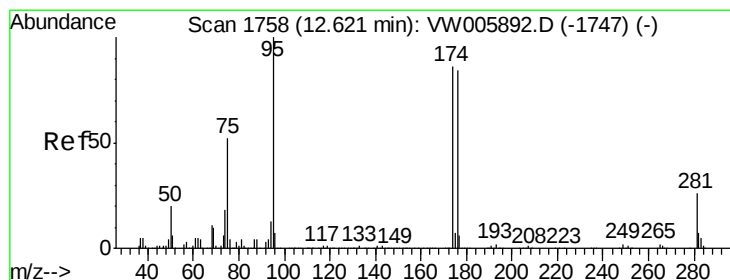
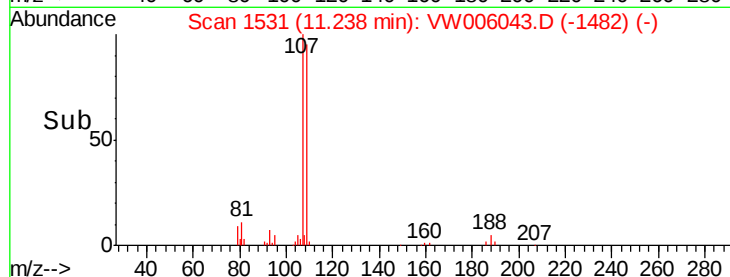
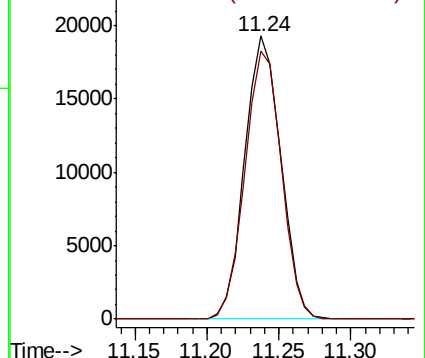
107 100

109 95.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.997 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

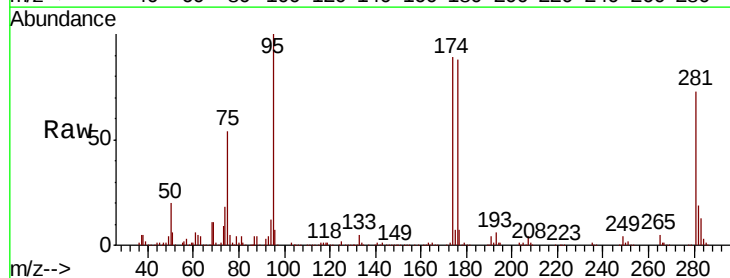
Tgt Ion: 95 Resp: 162698

Ion Ratio Lower Upper

95 100

174 94.9 0.0 176.4

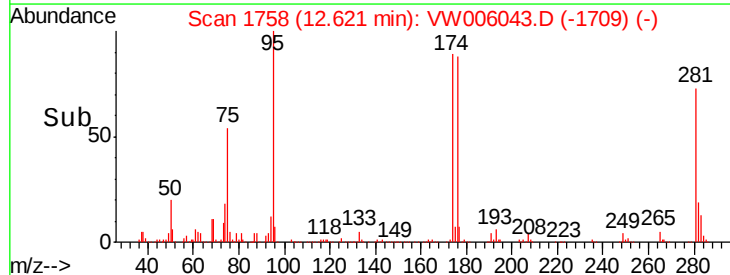
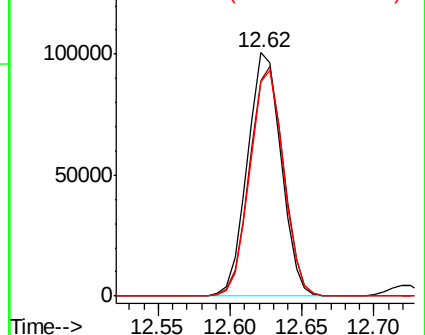
176 92.3 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

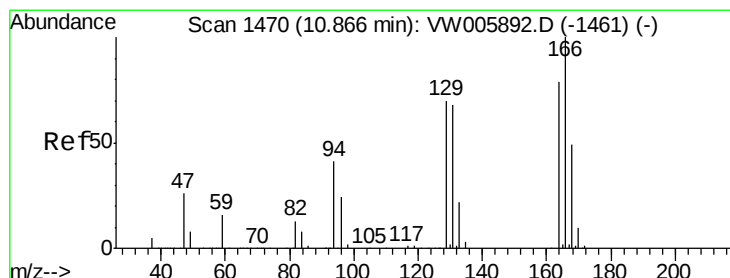
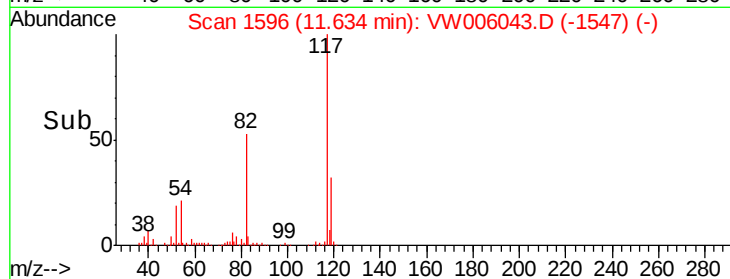
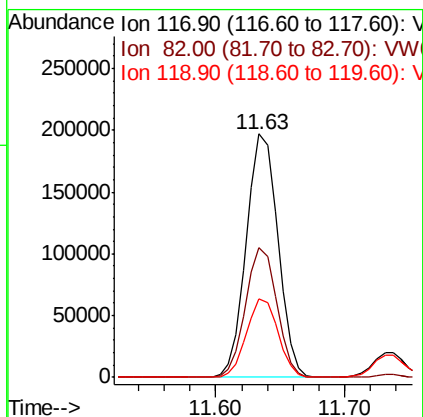
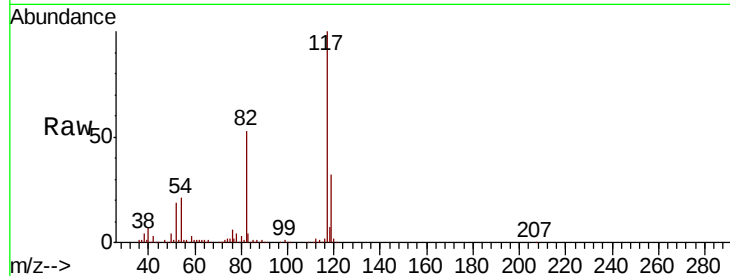




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

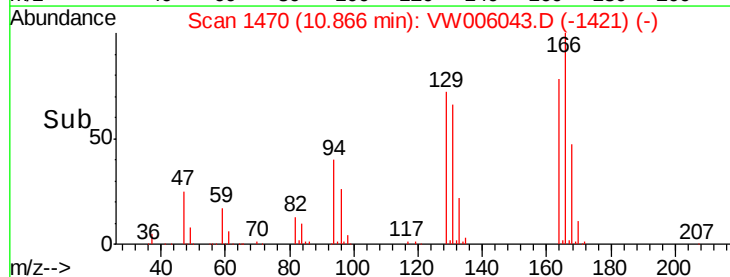
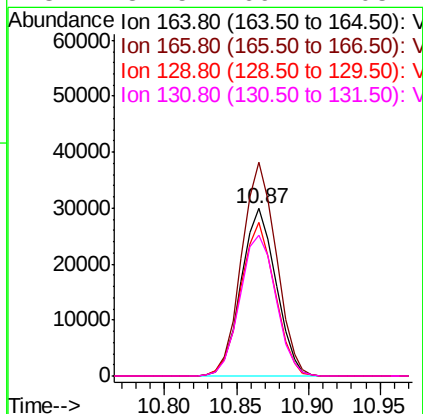
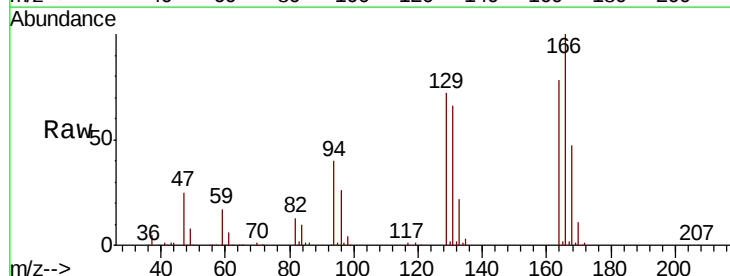
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion:117 Resp: 334103
Ion Ratio Lower Upper
117 100
82 53.0 43.5 65.3
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 20.131 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion:164 Resp: 50101
Ion Ratio Lower Upper
164 100
166 127.8 101.5 152.3
129 92.2 71.1 106.7
131 84.5 69.1 103.7

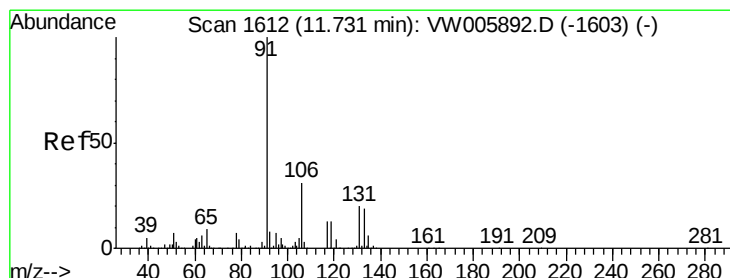
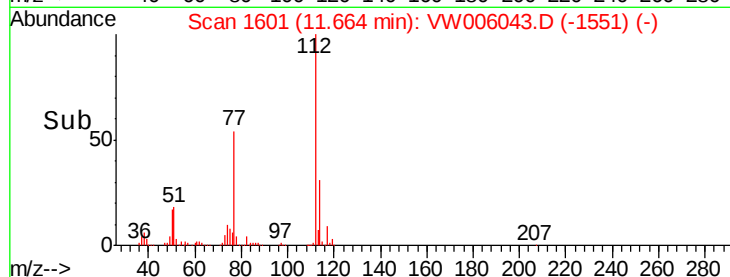
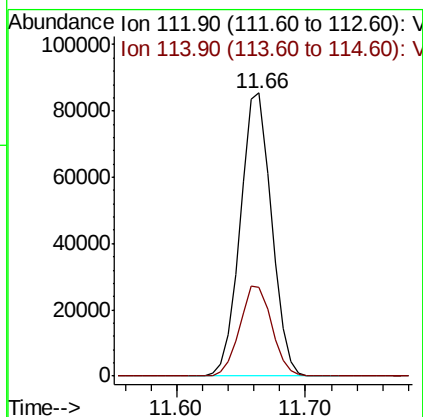
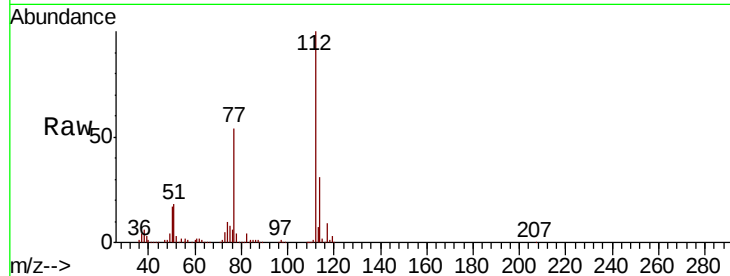




#65
Chlorobenzene
Concen: 19.999 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

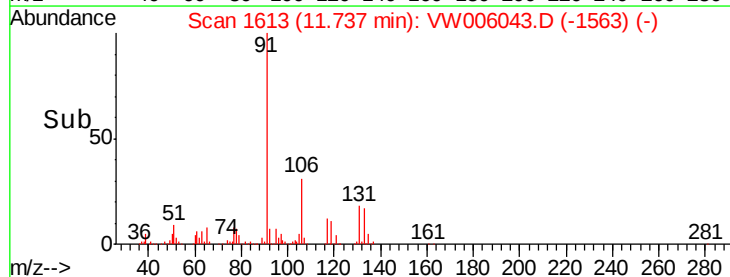
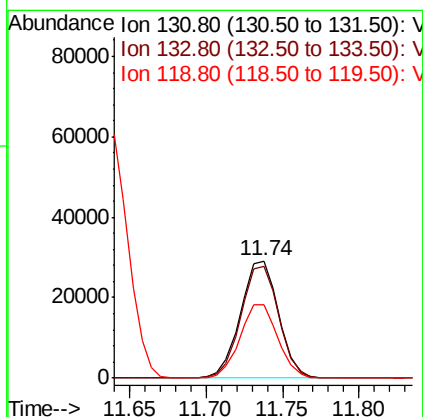
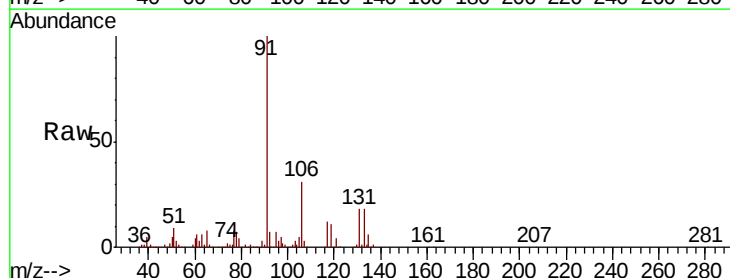
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

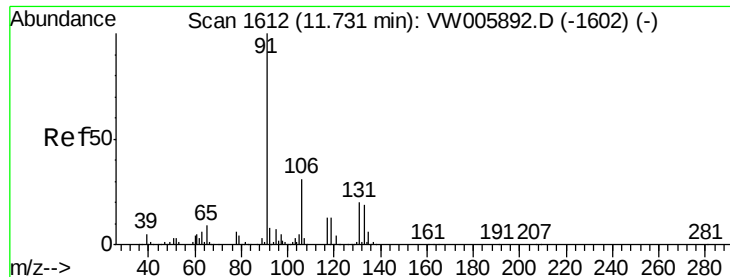
Tgt Ion:112 Resp: 143124
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.213 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion:131 Resp: 50399
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 62.4 32.5 97.5

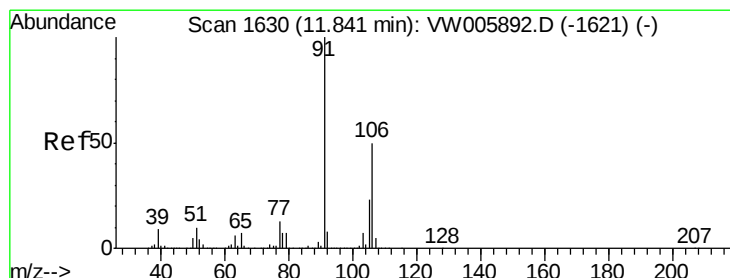
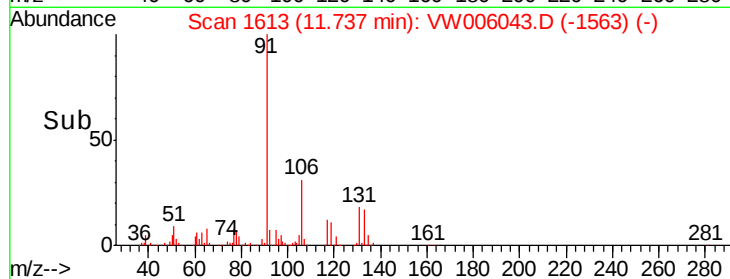
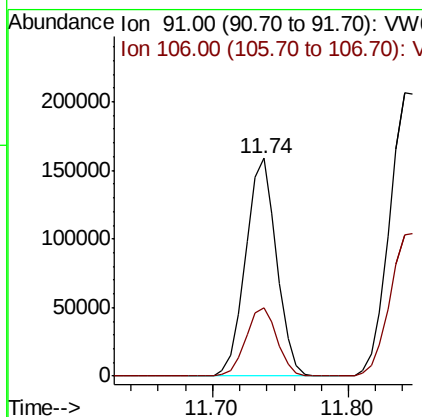
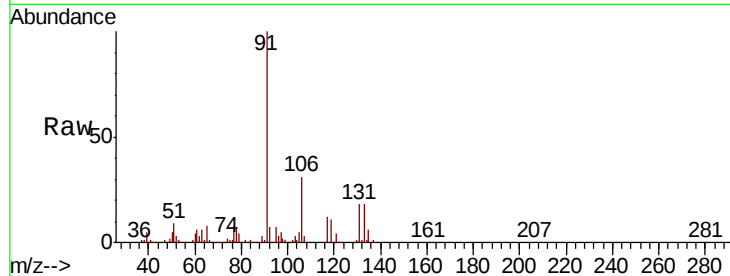




#67
Ethyl Benzene
Concen: 20.003 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

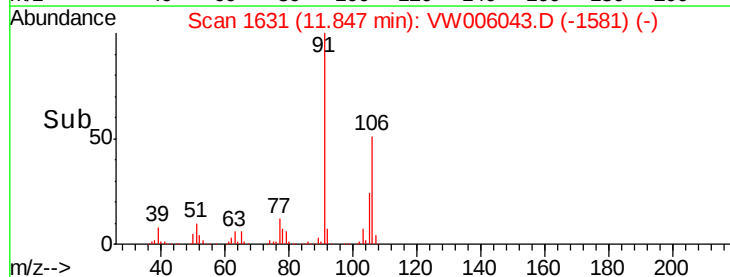
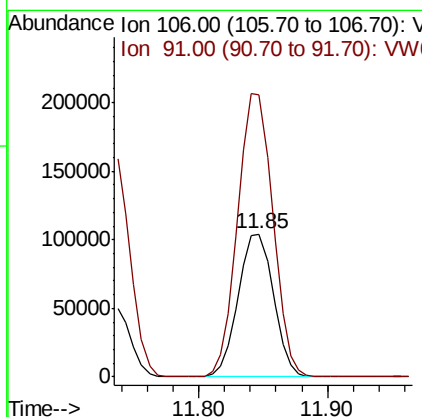
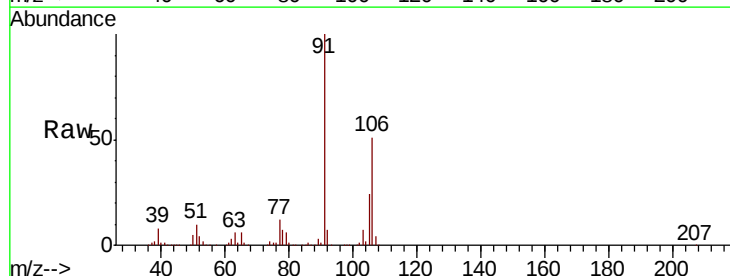
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

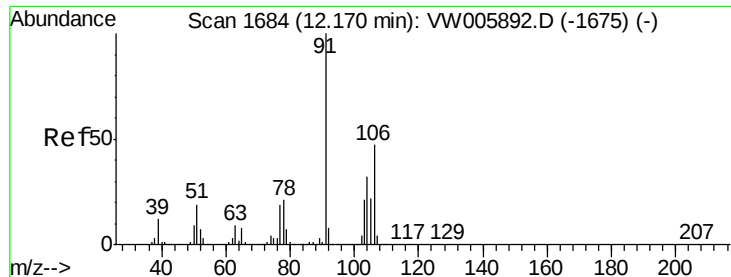
Tgt Ion: 91 Resp: 252854
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 40.013 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion: 106 Resp: 197660
Ion Ratio Lower Upper
106 100
91 198.9 160.2 240.2

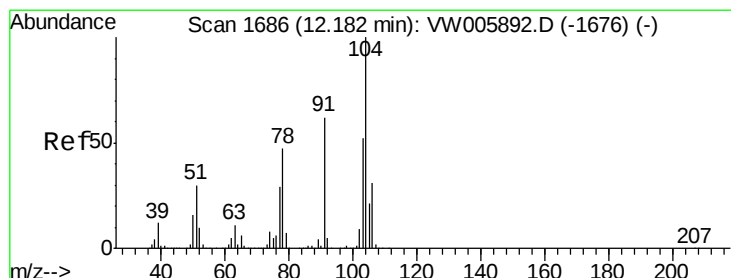
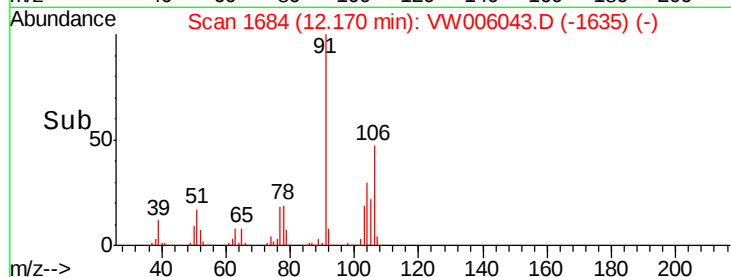
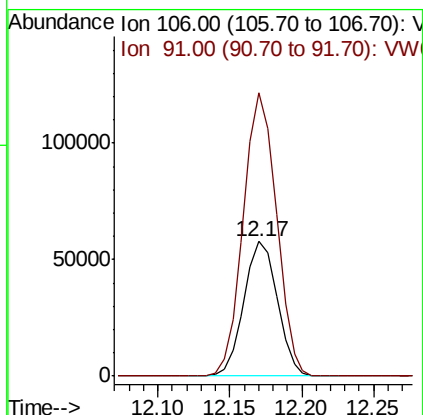
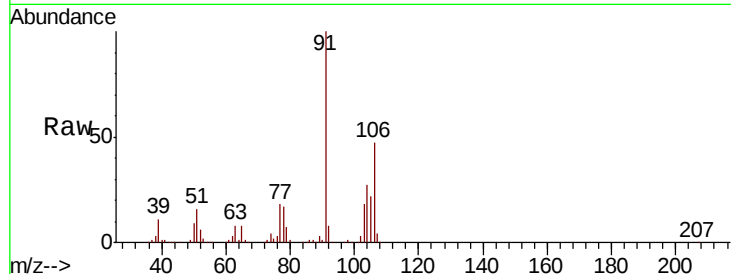




#69
o-Xylene
Concen: 19.746 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

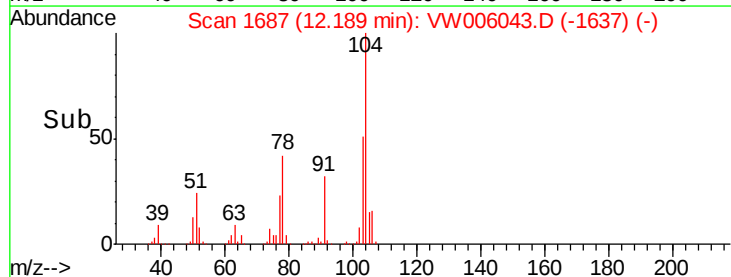
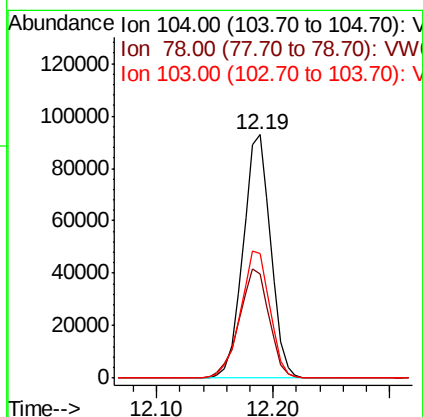
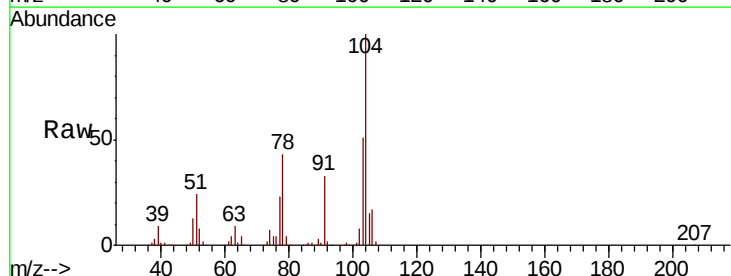
Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion:106 Resp: 93387
Ion Ratio Lower Upper
106 100
91 208.9 106.2 318.5



#70
Styrene
Concen: 19.469 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion:104 Resp: 152771
Ion Ratio Lower Upper
104 100
78 48.9 40.4 60.6
103 55.9 44.2 66.2





#71

Bromoform

Concen: 16.361 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

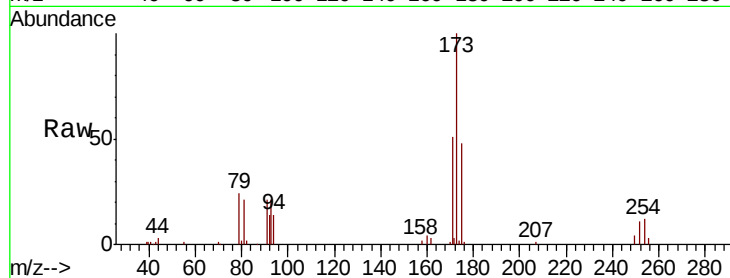
Tgt Ion:173 Resp: 25565

Ion Ratio Lower Upper

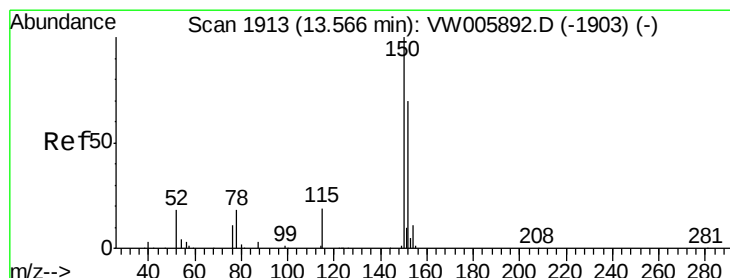
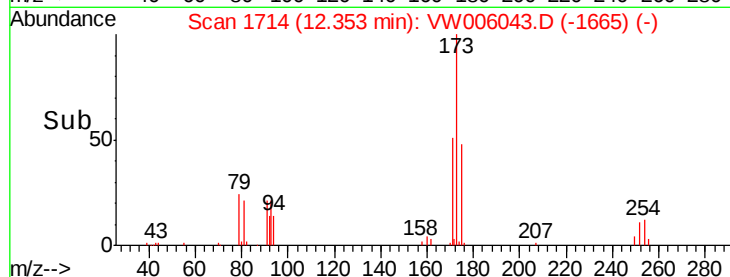
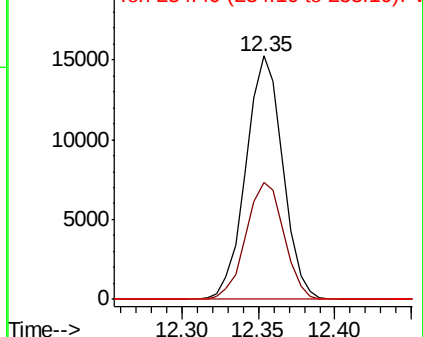
173 100

175 49.4 24.7 74.1

254 0.0 0.2 0.2#



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: VW006043.D

Acq: 12 Oct 2018 12:24

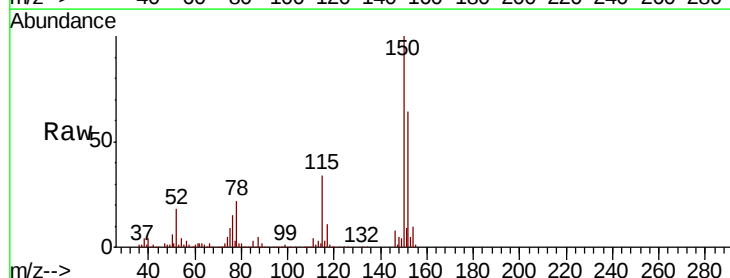
Tgt Ion:152 Resp: 188583

Ion Ratio Lower Upper

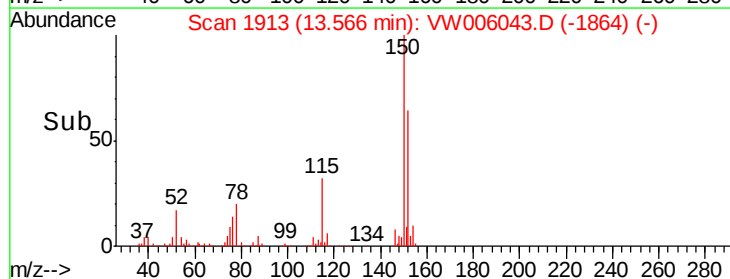
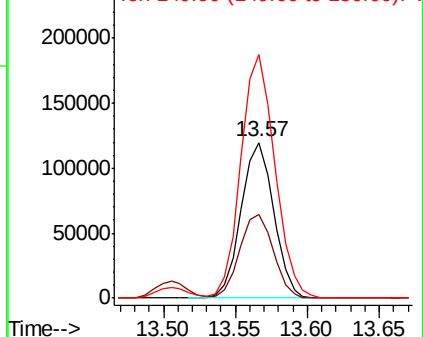
152 100

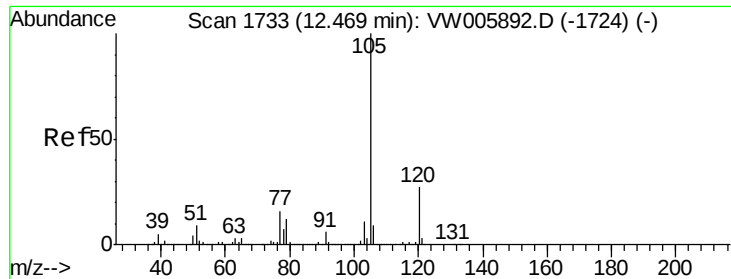
115 55.1 28.3 85.0

150 162.8 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: 19.254 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

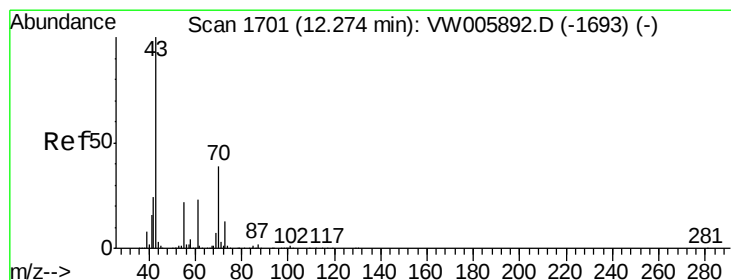
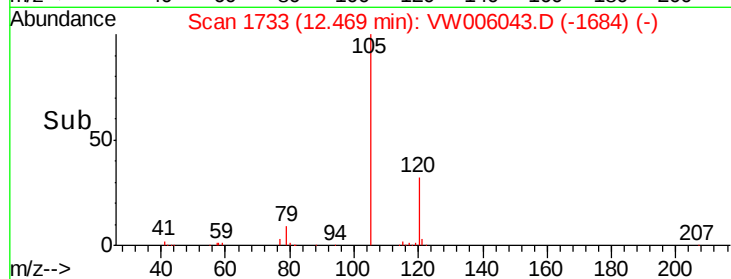
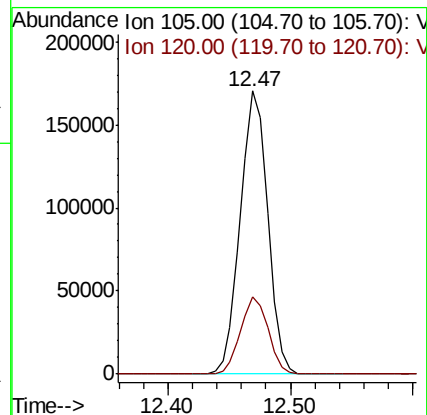
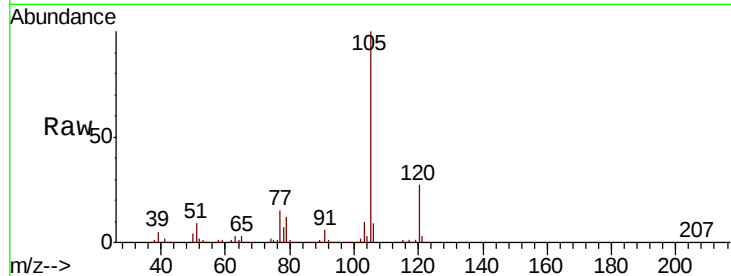
VW1013SBS01

Tgt Ion:105 Resp: 265175

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 14.711 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Tgt Ion: 43 Resp: 48118

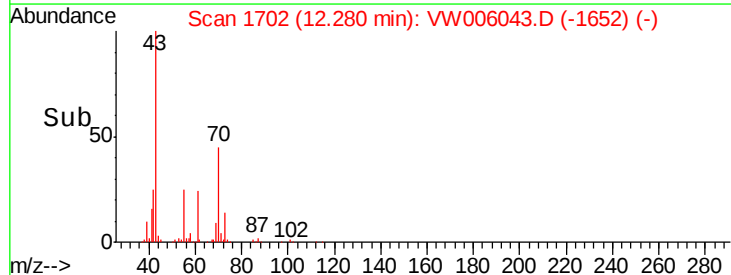
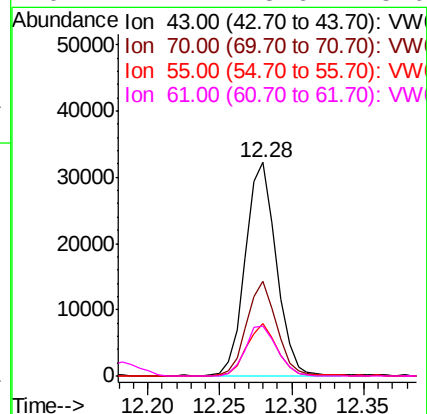
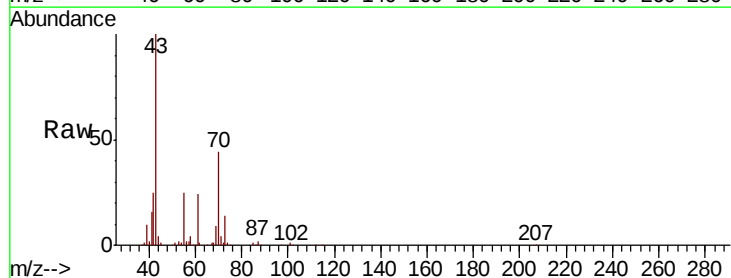
Ion Ratio Lower Upper

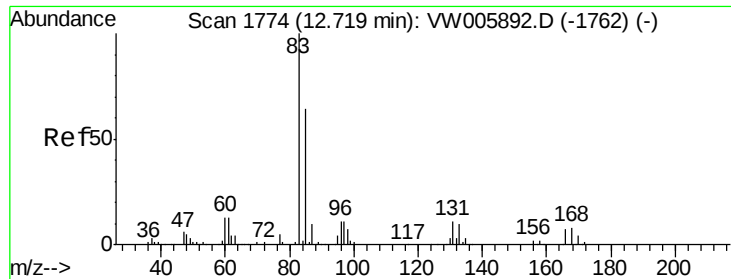
43 100

70 43.0 31.6 47.4

55 24.3 17.9 26.9

61 24.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.289 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

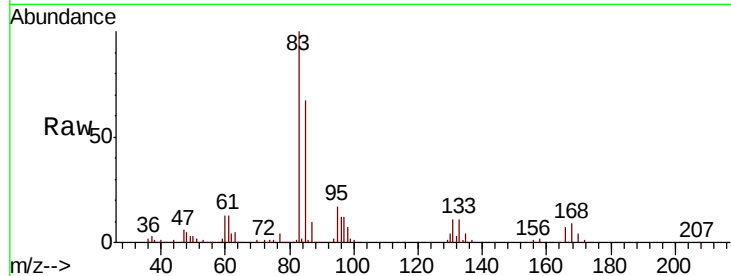
Tgt Ion: 83 Resp: 39028

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.3

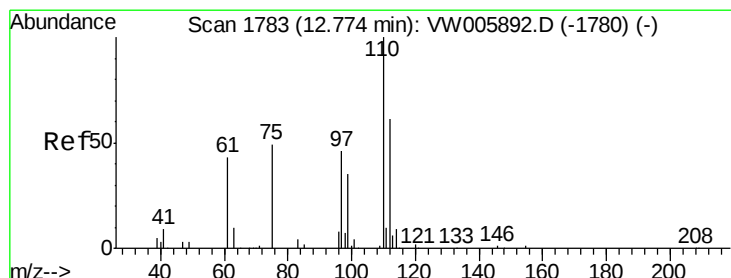
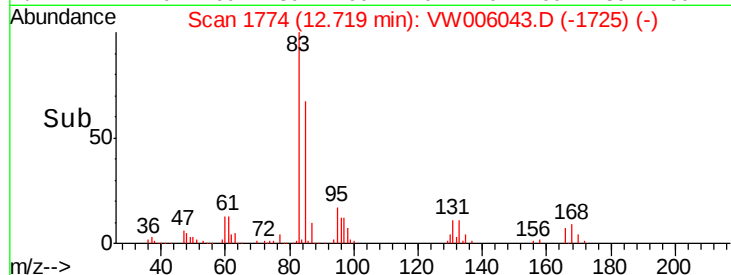
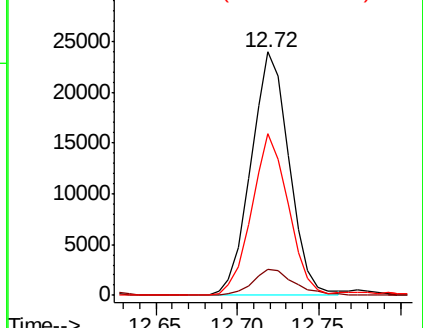
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 29.964 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006043.D

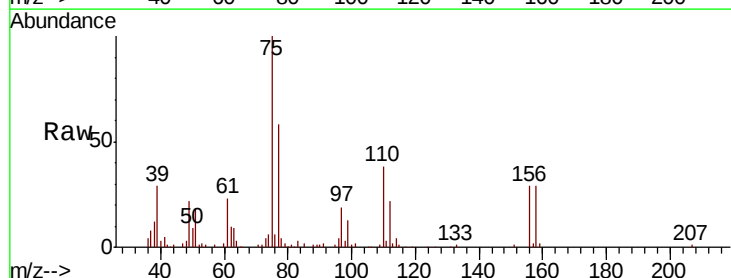
Acq: 12 Oct 2018 12:24

Tgt Ion: 75 Resp: 50476

Ion Ratio Lower Upper

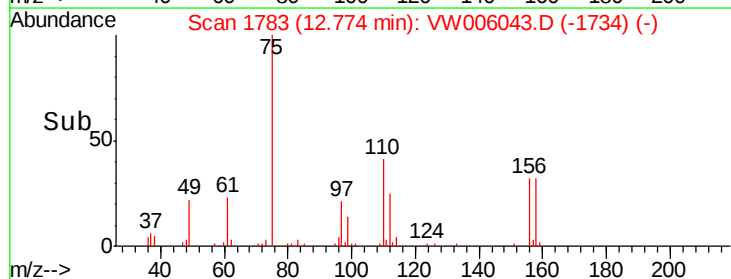
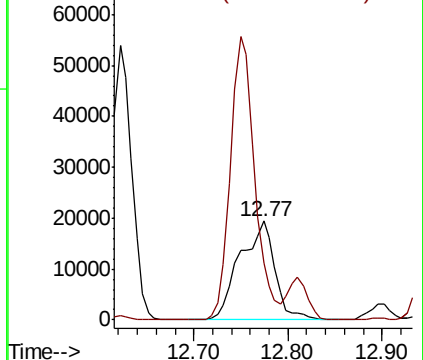
75 100

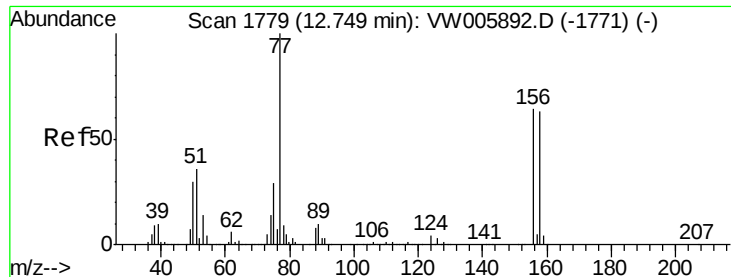
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.423 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

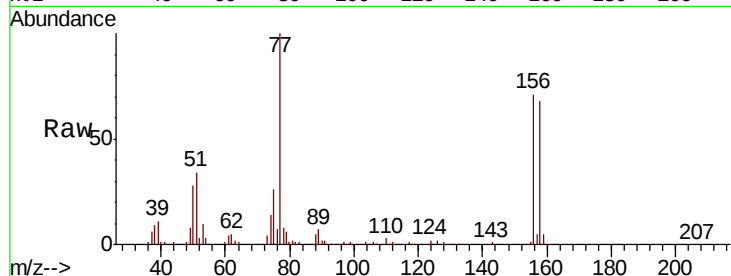
Tgt Ion:156 Resp: 63376

Ion Ratio Lower Upper

156 100

77 158.7 85.8 257.4

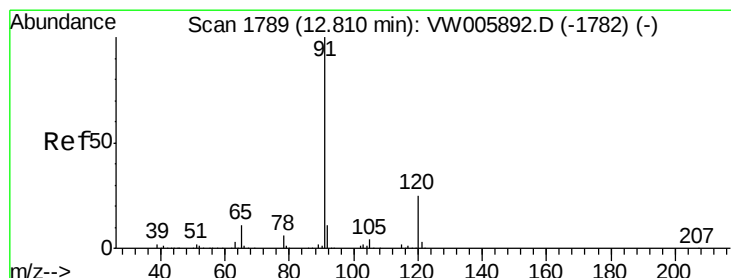
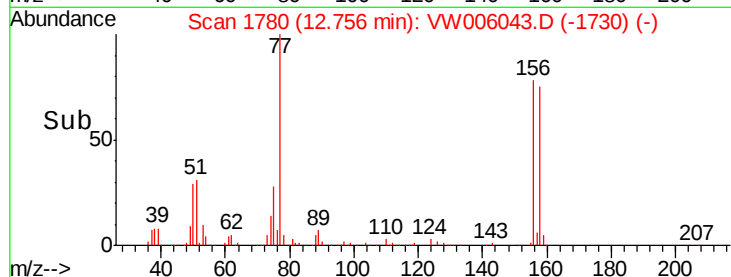
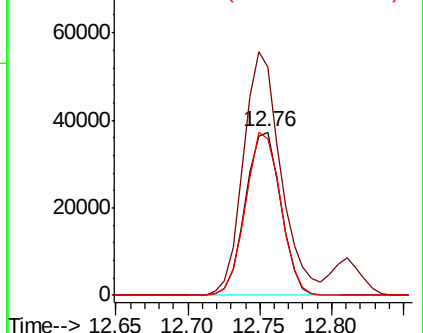
158 98.9 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.336 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006043.D

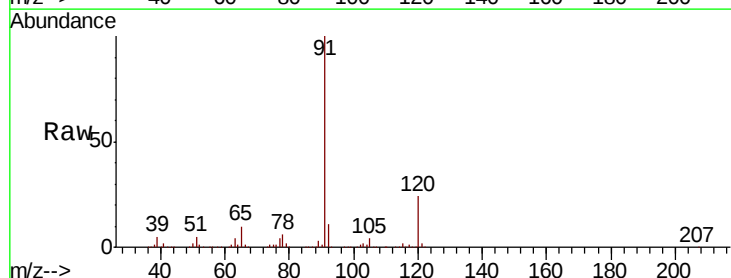
Acq: 12 Oct 2018 12:24

Tgt Ion: 91 Resp: 313262

Ion Ratio Lower Upper

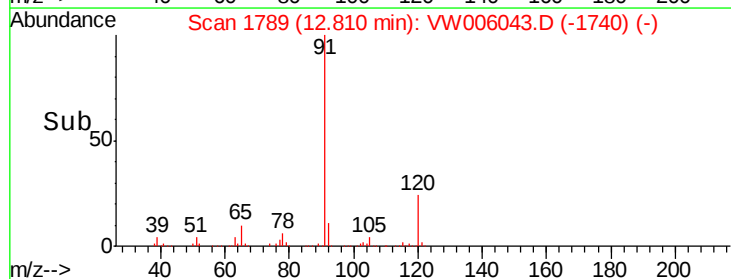
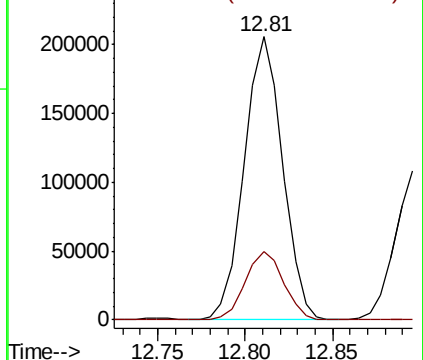
91 100

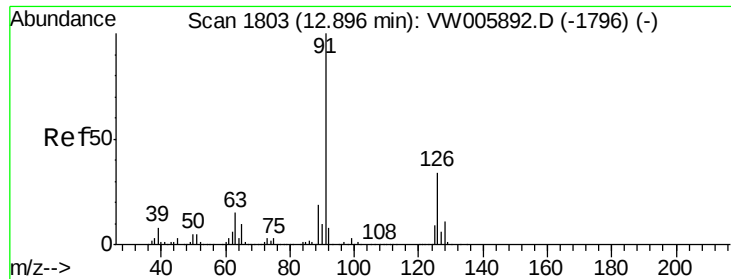
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.024 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

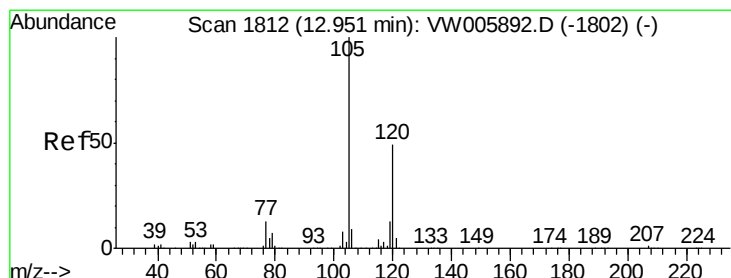
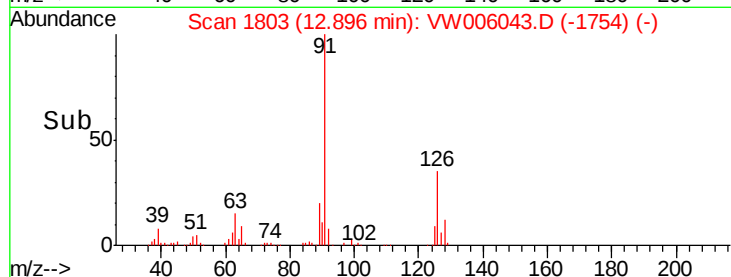
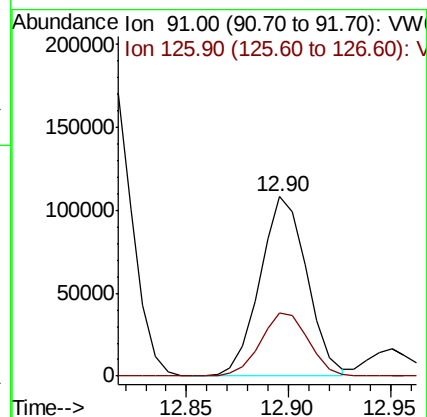
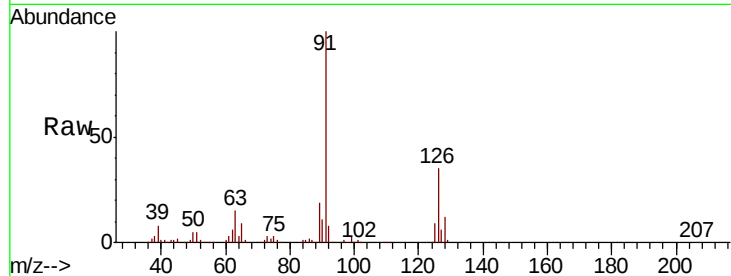
VW1013SBS01

Tgt Ion: 91 Resp: 173988

Ion Ratio Lower Upper

91 100

126 36.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 19.367 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006043.D

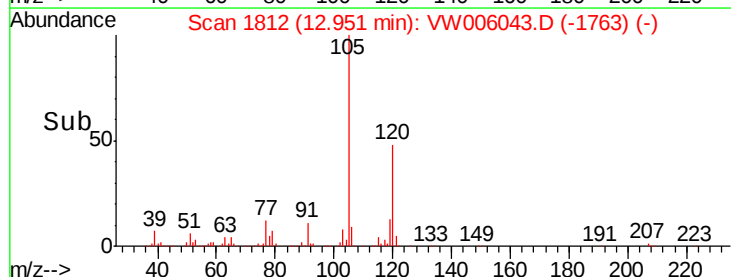
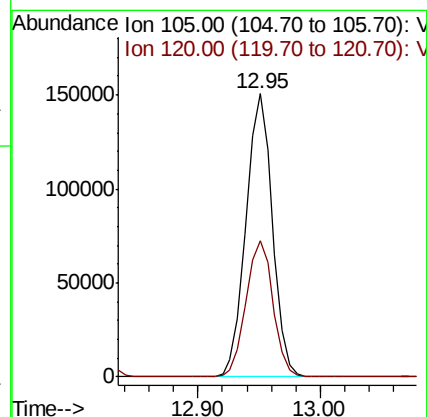
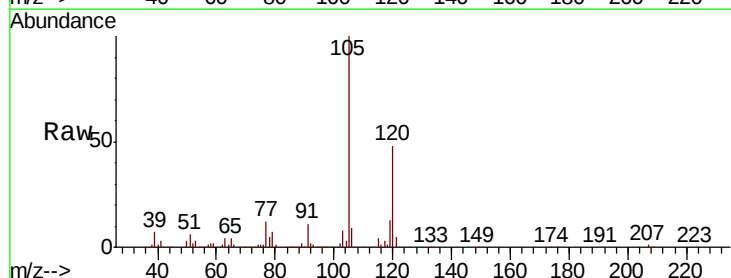
Acq: 12 Oct 2018 12:24

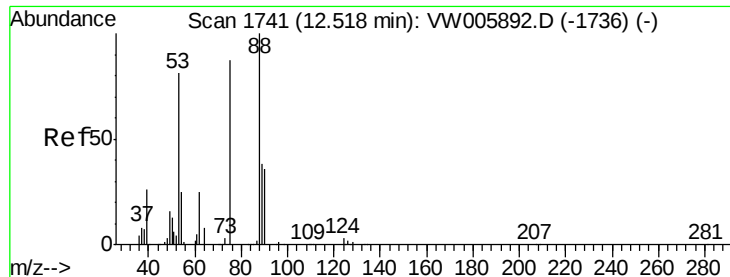
Tgt Ion: 105 Resp: 225194

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 13.378 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

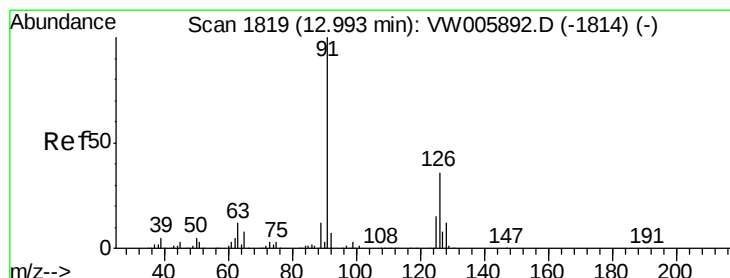
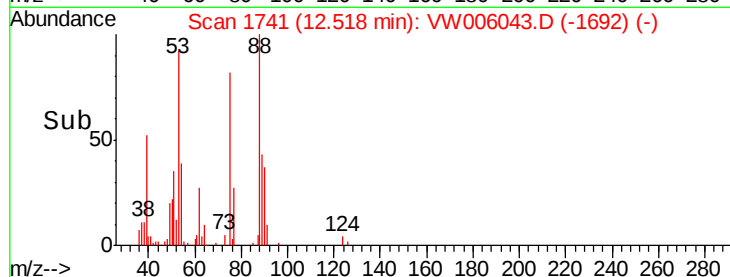
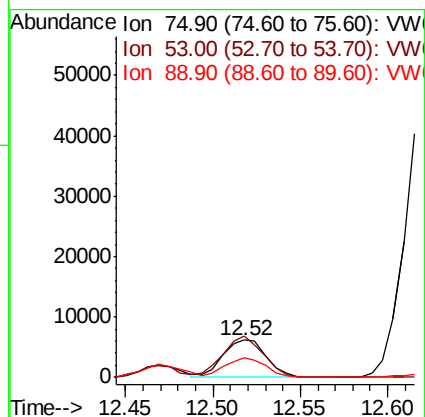
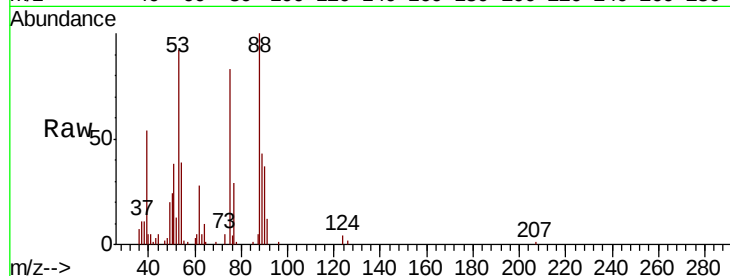
Tgt Ion: 75 Resp: 10675

Ion Ratio Lower Upper

75 100

53 104.1 76.5 114.7

89 48.6 37.6 56.4



#82

4-Chlorotoluene

Concen: 18.975 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006043.D

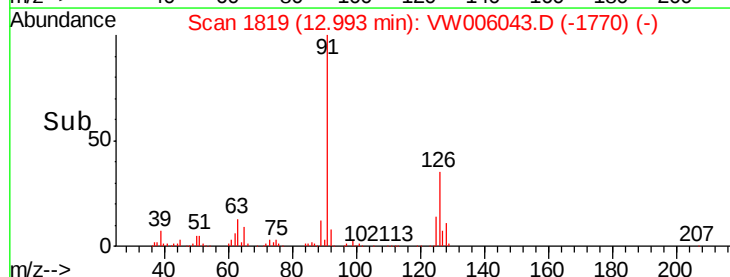
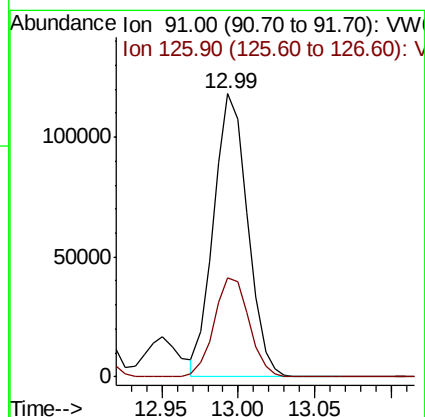
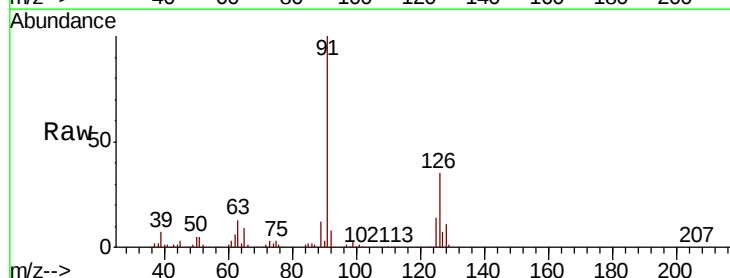
Acq: 12 Oct 2018 12:24

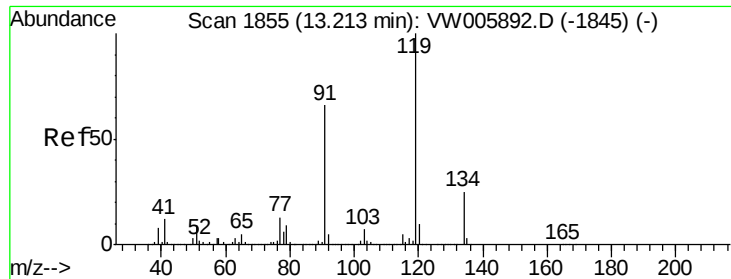
Tgt Ion: 91 Resp: 182580

Ion Ratio Lower Upper

91 100

126 36.2 17.4 52.2

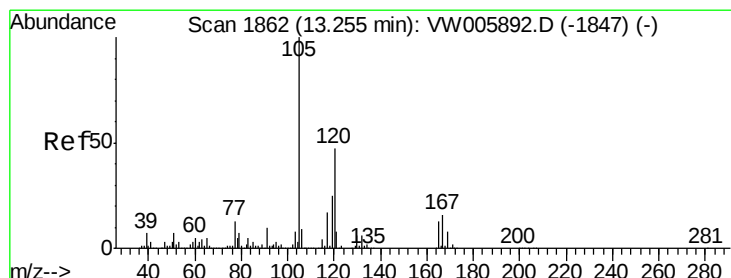
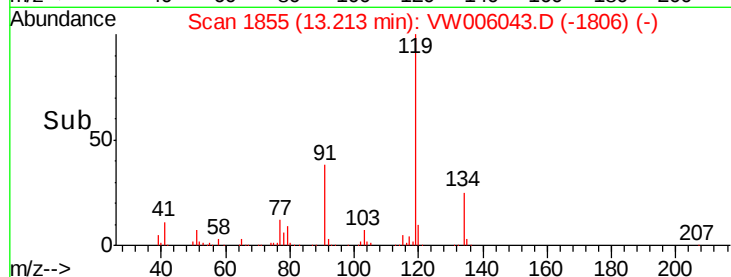
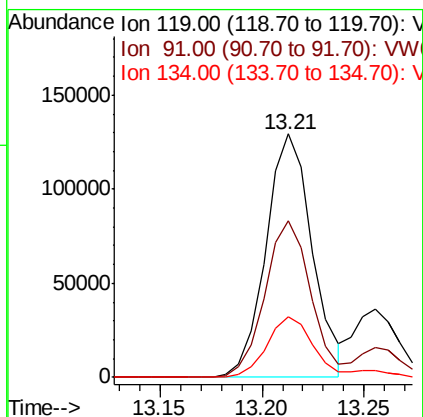
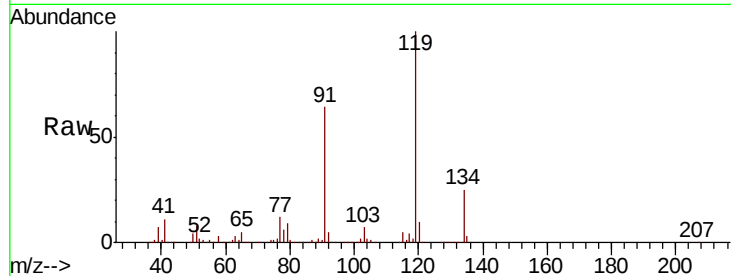




#83
 tert-Butylbenzene
 Concen: 19.779 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

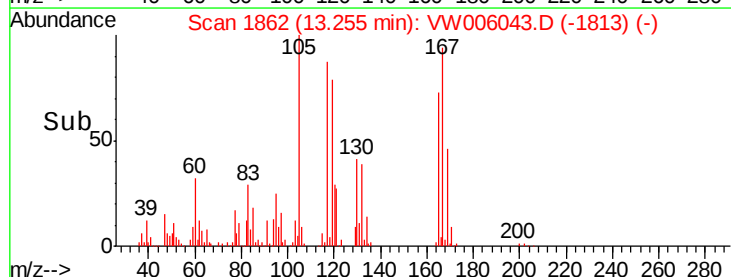
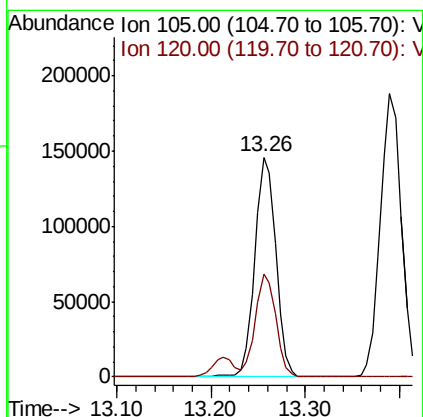
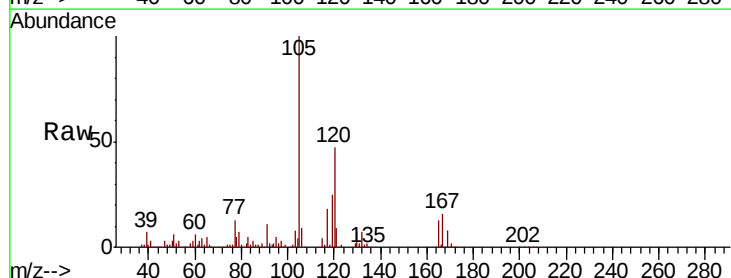
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

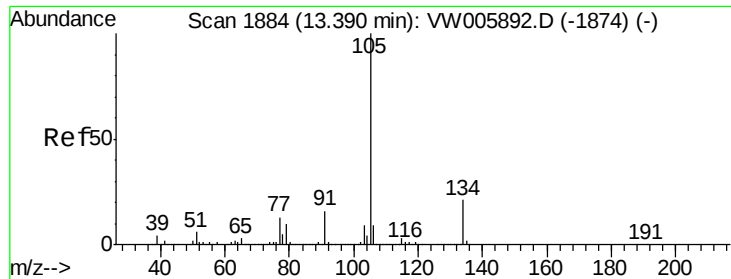
Tgt Ion:119 Resp: 204555
 Ion Ratio Lower Upper
 119 100
 91 63.2 32.4 97.0
 134 24.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.446 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:105 Resp: 228078
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.3

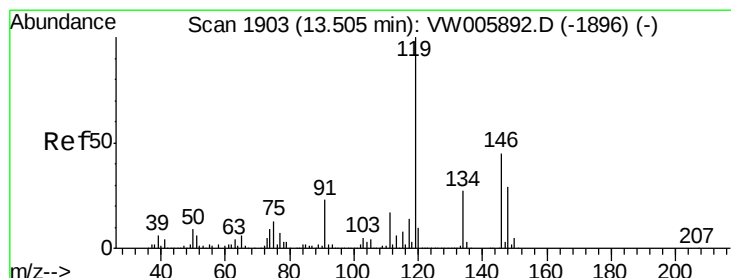
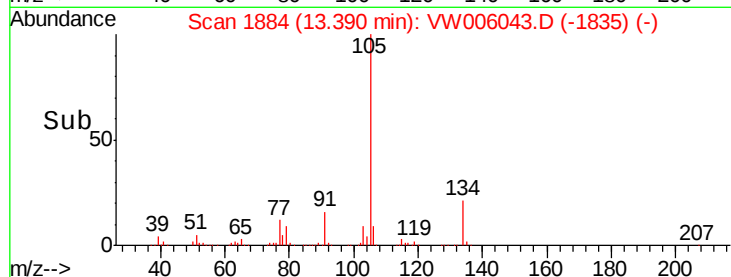
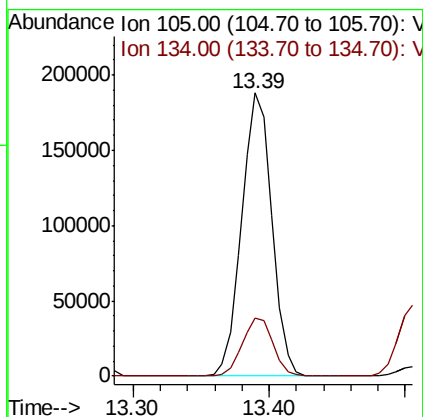
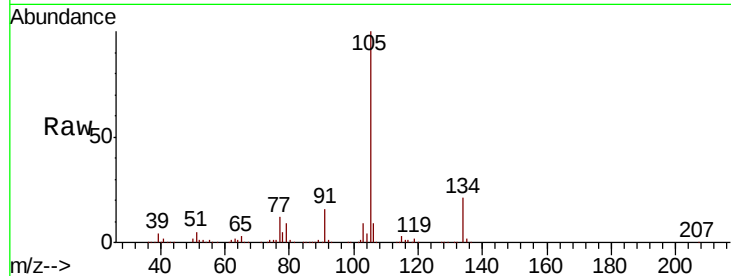




#85
 sec-Butylbenzene
 Concen: 20.072 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

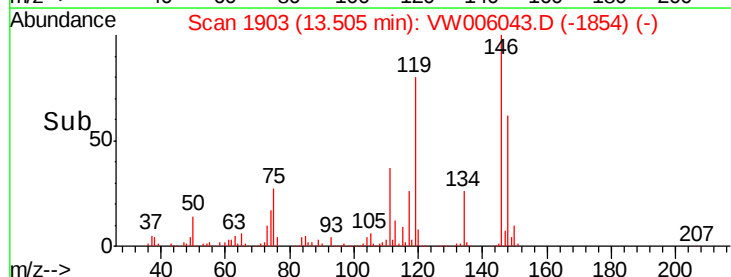
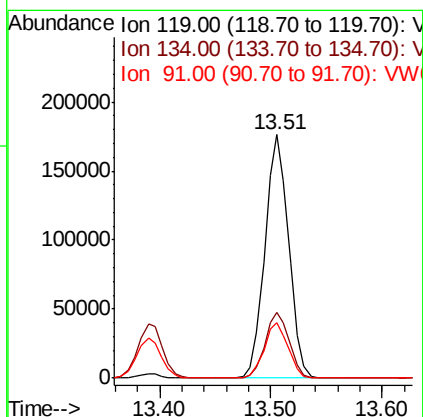
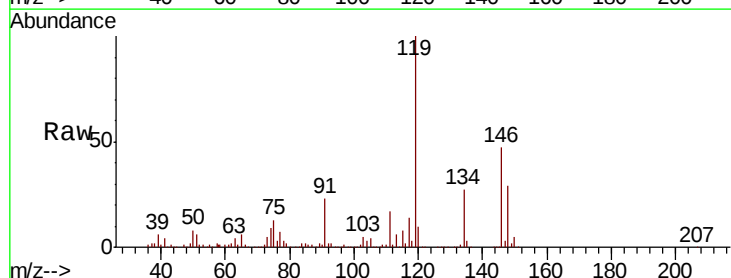
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

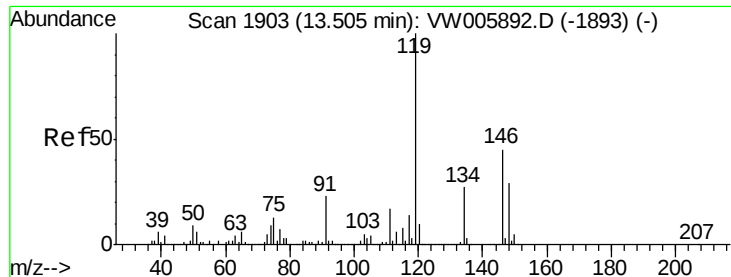
Tgt Ion:105 Resp: 291382
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.138 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:119 Resp: 262893
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.5
 91 22.7 11.9 35.5

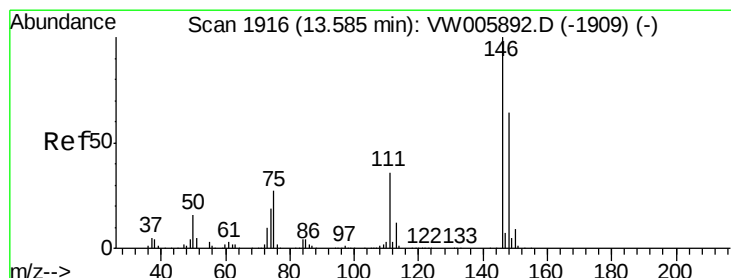
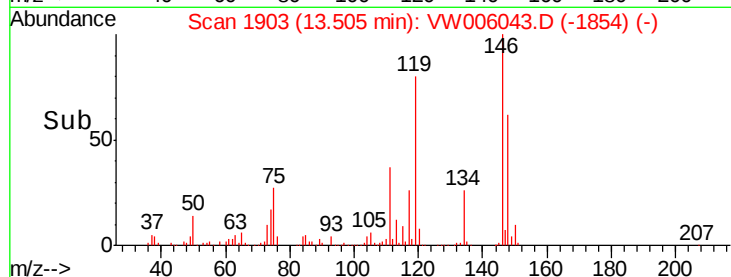
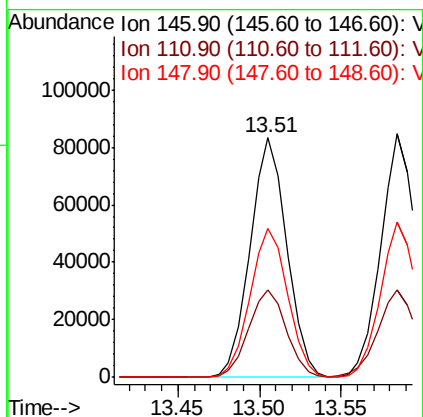
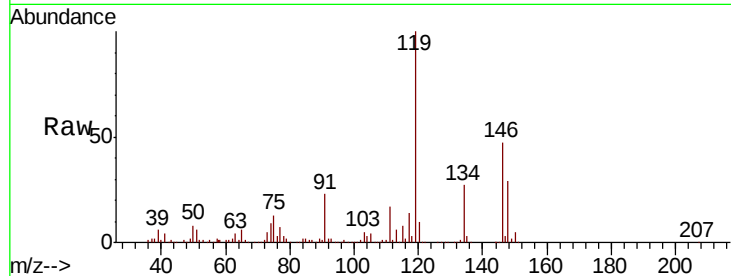




#87
 1,3-Dichlorobenzene
 Concen: 20.135 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

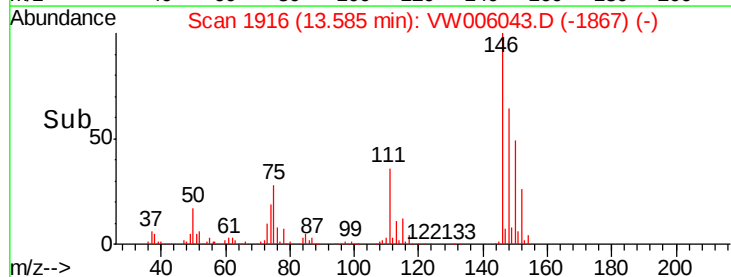
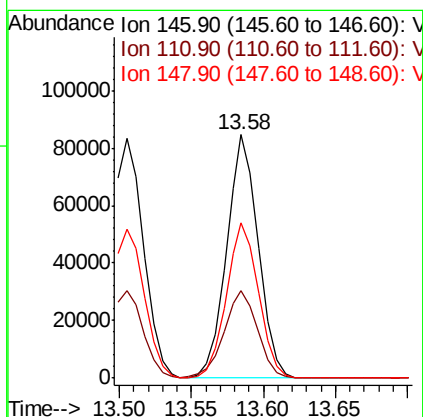
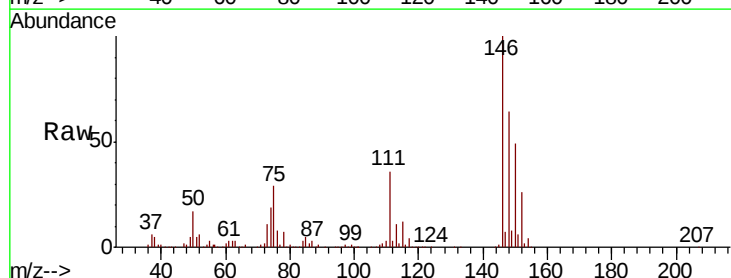
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

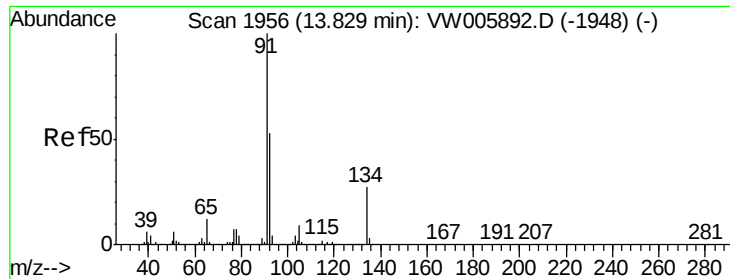
Tgt Ion:146 Resp: 130523
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.5 58.5
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.105 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:146 Resp: 129510
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 64.9 32.0 96.2





#89

n-Butylbenzene

Concen: 19.935 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006043.D

Acq: 12 Oct 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1013SBS01

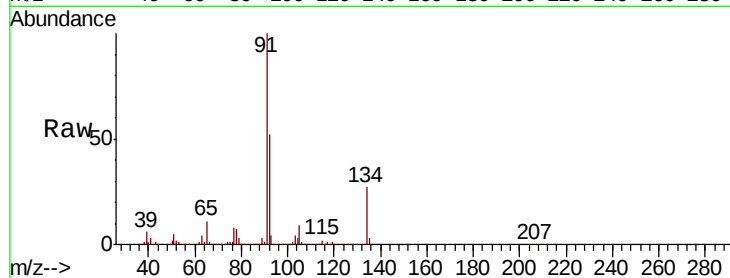
Tgt Ion: 91 Resp: 245314

Ion Ratio Lower Upper

91 100

92 51.9 26.6 79.8

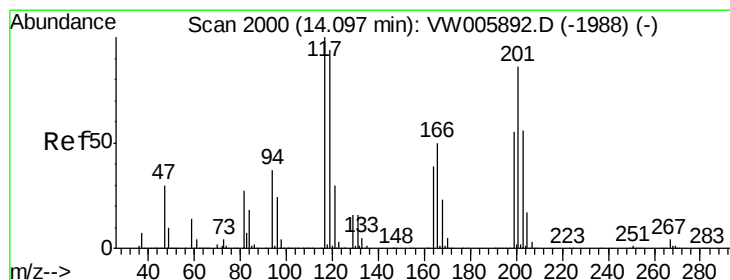
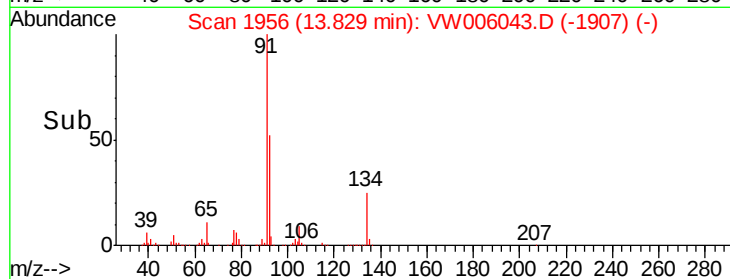
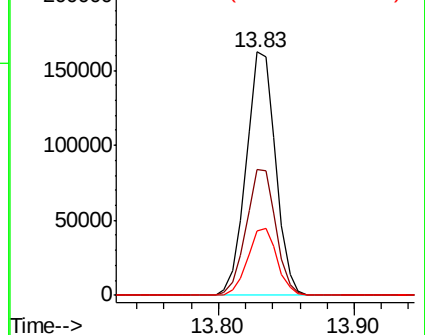
134 27.5 13.8 41.4



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: 17.133 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006043.D

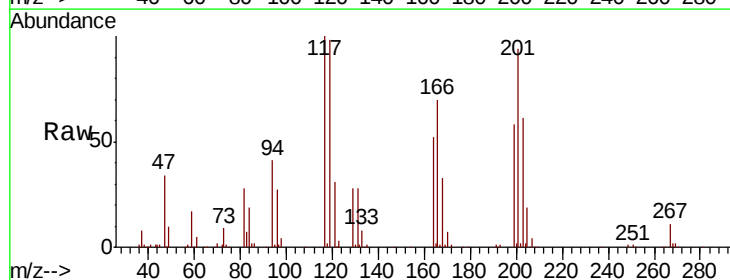
Acq: 12 Oct 2018 12:24

Tgt Ion: 117 Resp: 42066

Ion Ratio Lower Upper

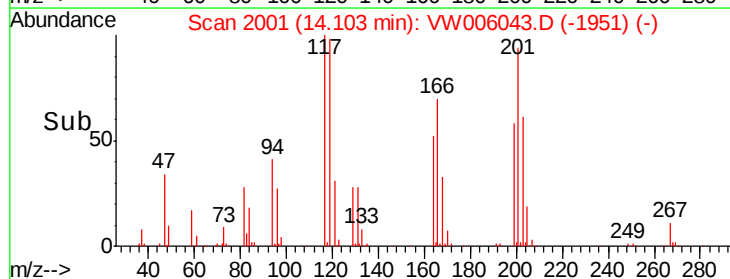
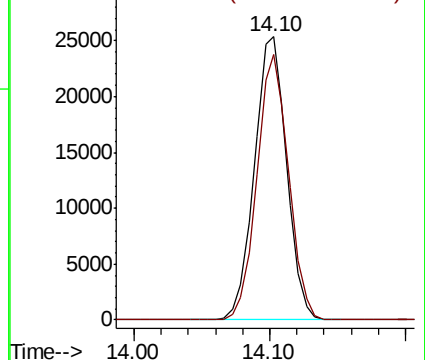
117 100

201 92.1 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

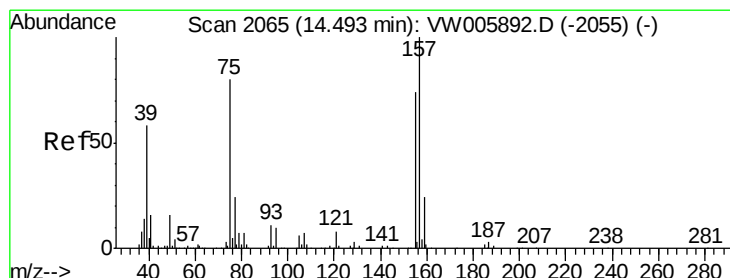
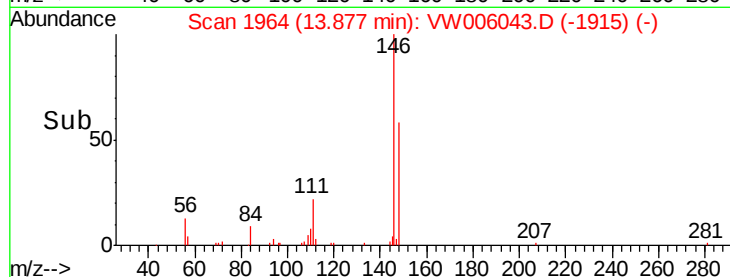
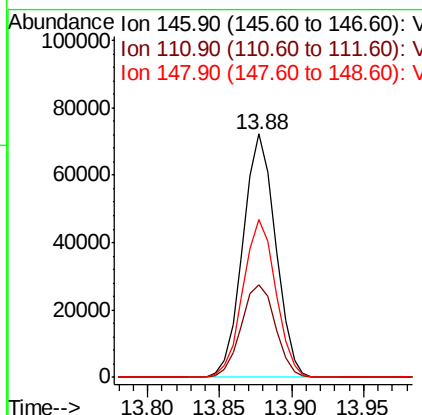
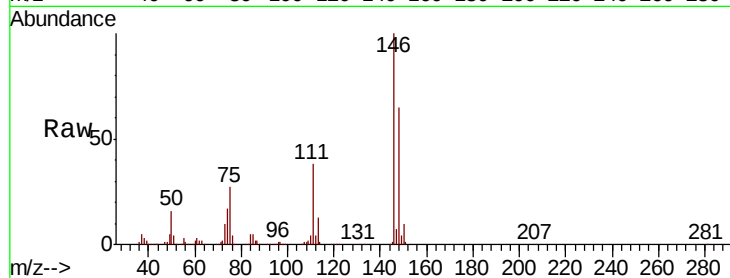




#91
 1,2-Dichlorobenzene
 Concen: 19.755 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

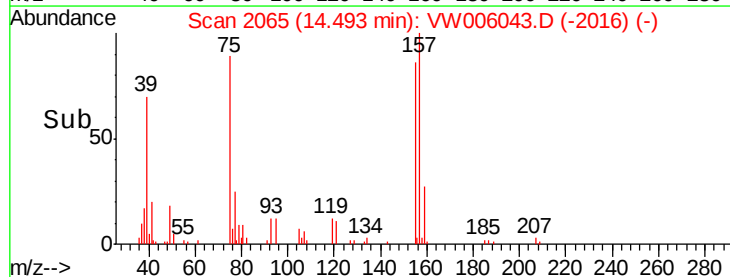
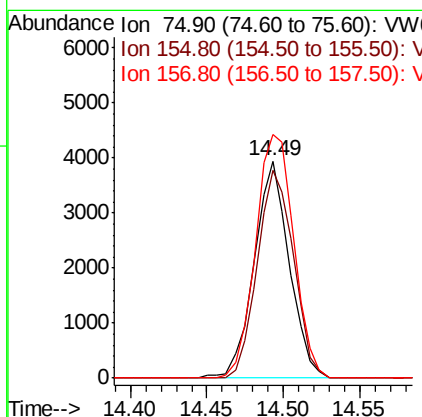
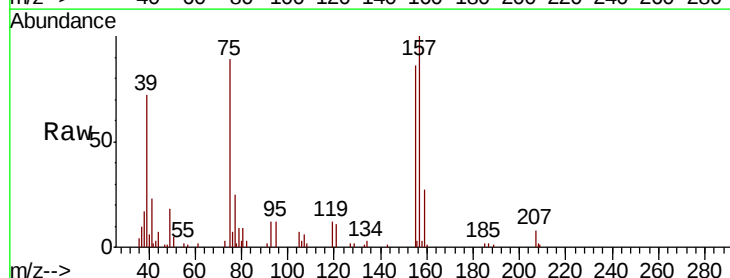
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

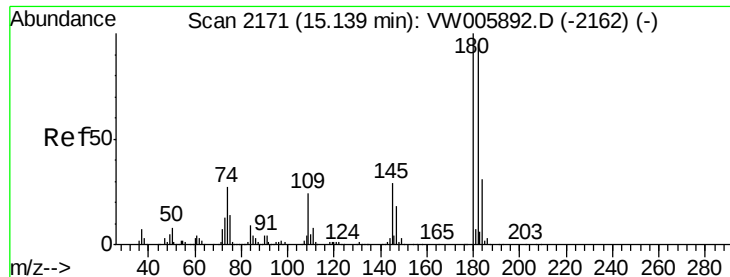
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	61.0
148	65.1	32.5	97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.935 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	44.8	134.3
157	122.3	58.9	176.6

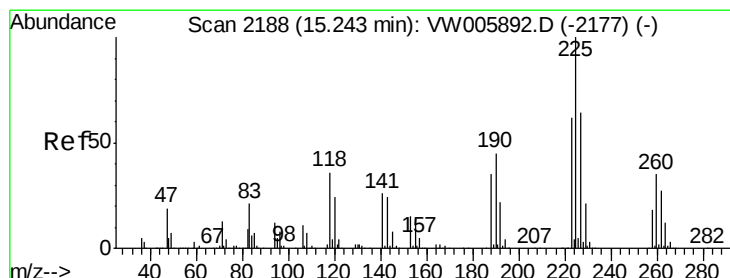
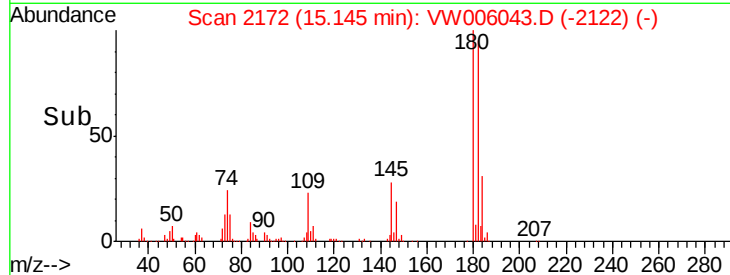
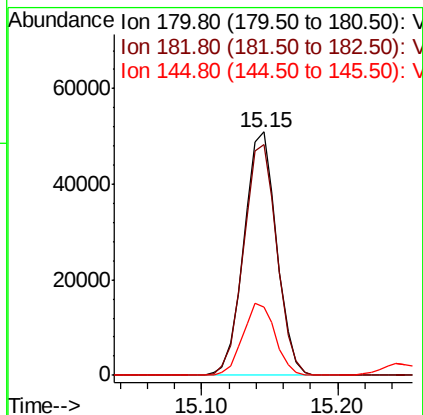
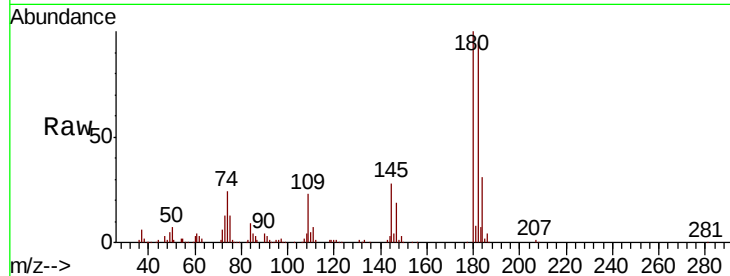




#93
 1,2,4-Trichlorobenzene
 Concen: 19.147 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

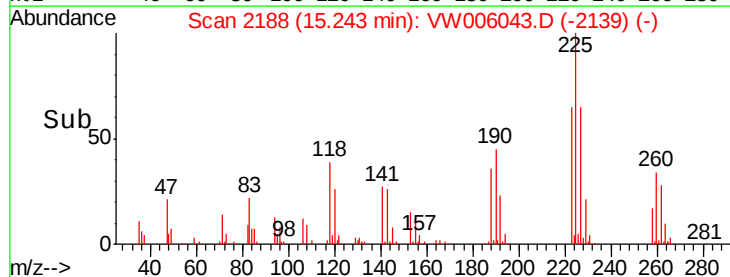
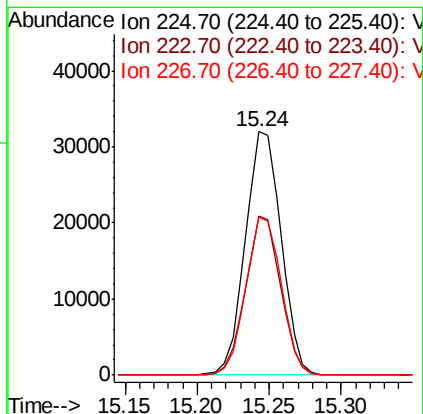
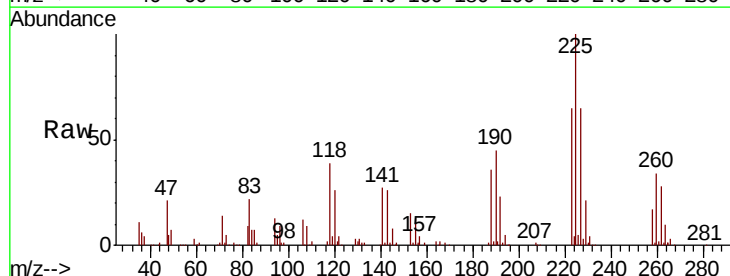
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1013SBS01

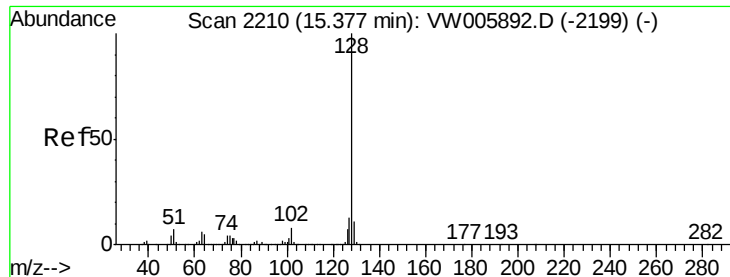
Tgt Ion:180 Resp: 85445
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.8 143.3
 145 29.3 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 19.721 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006043.D
 Acq: 12 Oct 2018 12:24

Tgt Ion:225 Resp: 54931
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.2 93.6
 227 64.3 31.9 95.9

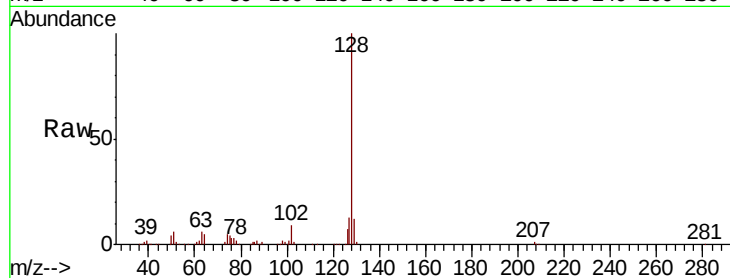




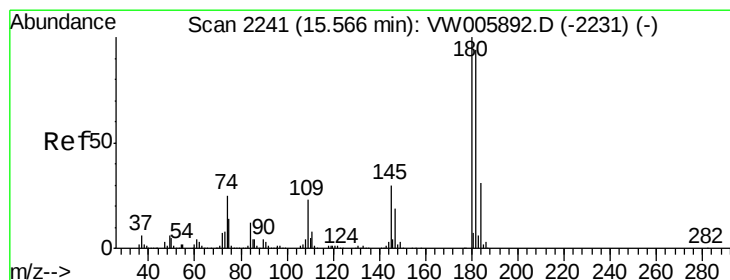
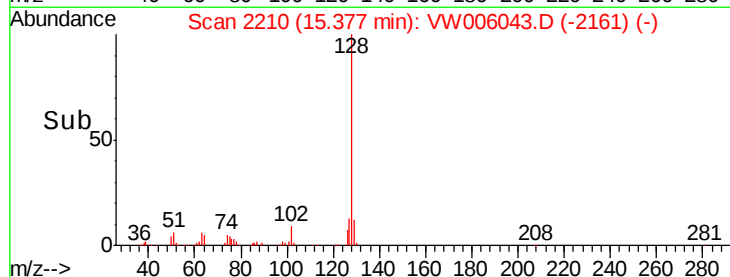
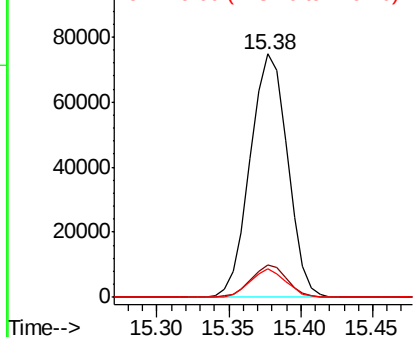
#95
Naphthalene
Concen: 17.521 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1013SBS01

Tgt Ion:128 Resp: 134772
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.2 8.9 13.3

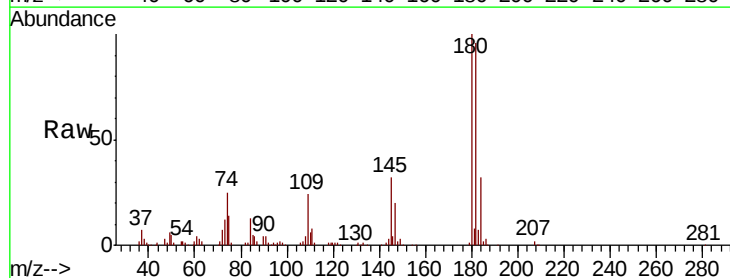


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.648 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006043.D
Acq: 12 Oct 2018 12:24

Tgt Ion:180 Resp: 72054
Ion Ratio Lower Upper
180 100
182 95.9 47.6 142.8
145 31.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

