

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006146.D
 Acq On : 18 Oct 2018 01:55
 Operator : VA/AP
 Sample : VW1017SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

Quant Time: Oct 18 10:47:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	395084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	203582	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	117301	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	117697	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.33	98	439605	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.62	95	168027	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	21260	15.85	ug/l	95
3) Chloromethane	2.21	50	29174	16.89	ug/l	98
4) Vinyl Chloride	2.37	62	45806	18.57	ug/l	99
5) Bromomethane	2.78	94	46143	20.57	ug/l	96
6) Chloroethane	2.93	64	33699	19.07	ug/l	92
7) Trichlorofluoromethane	3.26	101	37248	16.21	ug/l	100
8) Diethyl Ether	3.68	74	24345	19.94	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47479	19.72	ug/l	100
10) Methyl Iodide	4.26	142	83752	20.90	ug/l	100
11) Tert butyl alcohol	5.23	59	14981	99.11	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	45554	20.11	ug/l	95
13) Acrolein	3.89	56	14746	100.82	ug/l	100
14) Allyl chloride	4.67	41	63496	19.61	ug/l	99
15) Acrylonitrile	5.37	53	49405	112.81	ug/l	99
16) Acetone	4.13	43	42104	90.40	ug/l	97
17) Carbon Disulfide	4.37	76	123273	18.03	ug/l	97
18) Methyl Acetate	4.68	43	26374	23.32	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	73718	21.37	ug/l	95
20) Methylene Chloride	4.92	84	53521	21.58	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	52716	20.85	ug/l	98
22) Diisopropyl ether	6.32	45	136409	21.31	ug/l	99
23) Vinyl Acetate	6.26	43	391252	103.58	ug/l	100
24) 1,1-Dichloroethane	6.21	63	88447	21.42	ug/l	99
25) 2-Butanone	7.18	43	66825	110.06	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51984	17.85	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60900	21.83	ug/l	99
28) Bromochloromethane	7.51	49	30077	18.86	ug/l	96
29) Tetrahydrofuran	7.54	42	41004	109.87	ug/l	97
30) Chloroform	7.68	83	97005	21.56	ug/l	97
31) Cyclohexane	7.95	56	78102	18.99	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	81528	20.09	ug/l	99
36) 1,1-Dichloropropene	8.09	75	74512	20.46	ug/l	99
37) Ethyl Acetate	7.26	43	30430	22.49	ug/l	99
38) Carbon Tetrachloride	8.07	117	77298	19.36	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006146.D
 Acq On : 18 Oct 2018 01:55
 Operator : VA/AP
 Sample : VW1017SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

Quant Time: Oct 18 10:47:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93748	19.37	ug/l	95
40) Benzene	8.32	78	209895	21.01	ug/l	99
41) Methacrylonitrile	7.49	41	18637	22.85	ug/l	97
42) 1,2-Dichloroethane	8.40	62	64051	21.82	ug/l	100
43) Isopropyl Acetate	8.43	43	57956	20.95	ug/l	100
44) Trichloroethene	9.09	130	65180	21.27	ug/l	97
45) 1,2-Dichloropropane	9.37	63	50042	20.94	ug/l	99
46) Dibromomethane	9.46	93	29138	21.39	ug/l	99
47) Bromodichloromethane	9.65	83	67904	20.56	ug/l	98
48) Methyl methacrylate	9.44	41	28408	21.66	ug/l	99
49) 1,4-Dioxane	9.48	88	9617	458.54	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	152521	110.04	ug/l	99
52) Toluene	10.39	92	140683	21.01	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63832	19.40	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74116	19.62	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41856	21.95	ug/l	98
56) Ethyl methacrylate	10.65	69	50815	21.74	ug/l	98
57) 1,3-Dichloropropane	10.93	76	68502	21.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	96578	108.14	ug/l	98
59) 2-Hexanone	10.98	43	105184	106.31	ug/l	100
60) Dibromochloromethane	11.13	129	47581	20.04	ug/l	100
61) 1,2-Dibromoethane	11.24	107	42368	22.24	ug/l	99
64) Tetrachloroethene	10.87	164	60743	21.37	ug/l	99
65) Chlorobenzene	11.66	112	164958	21.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56846	20.41	ug/l	99
67) Ethyl Benzene	11.74	91	281775	20.75	ug/l	100
68) m/p-Xylenes	11.84	106	223806	41.69	ug/l	99
69) o-Xylene	12.17	106	106086	20.73	ug/l	100
70) Styrene	12.18	104	172228	20.70	ug/l	100
71) Bromoform	12.35	173	29801	19.18	ug/l #	100
73) Isopropylbenzene	12.47	105	294960	20.51	ug/l	100
74) N-amyl acetate	12.28	43	58785	21.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	48193	22.03	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	60249	38.75	ug/l #	100
77) Bromobenzene	12.75	156	75130	21.33	ug/l	99
78) n-propylbenzene	12.81	91	342244	20.45	ug/l	100
79) 2-Chlorotoluene	12.90	91	197206	20.98	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	248315	20.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11096	17.06	ug/l	91
82) 4-Chlorotoluene	12.99	91	206872	21.01	ug/l	100
83) tert-Butylbenzene	13.21	119	221852	20.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	255709	20.84	ug/l	99
85) sec-Butylbenzene	13.39	105	312134	20.37	ug/l	100
86) p-Isopropyltoluene	13.51	119	283256	20.43	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	146759	20.93	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146746	21.02	ug/l	100
89) n-Butylbenzene	13.83	91	256706	20.25	ug/l	99
90) Hexachloroethane	14.10	117	43441	18.50	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	133658	21.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7984	20.39	ug/l	99

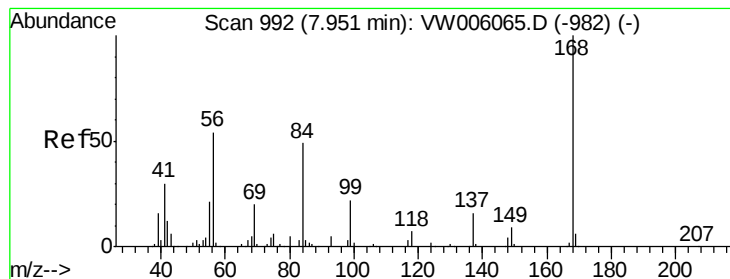
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
Data File : VW006146.D
Acq On : 18 Oct 2018 01:55
Operator : VA/AP
Sample : VW1017SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

Quant Time: Oct 18 10:47:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	102409	21.28	ug/l	99
94) Hexachlorobutadiene	15.24	225	62010	20.51	ug/l	99
95) Naphthalene	15.38	128	176236	22.02	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	90585	21.76	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

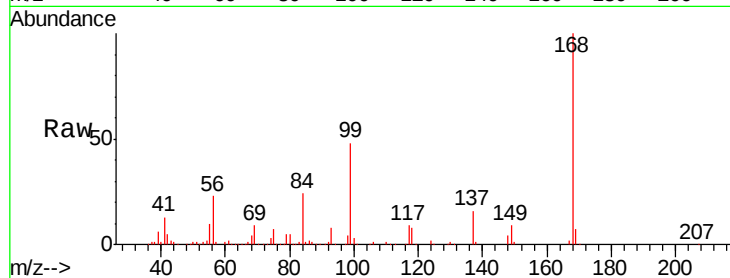
VW1017SBS02

Tgt Ion:168 Resp: 271097

Ion Ratio Lower Upper

168 100

99 47.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

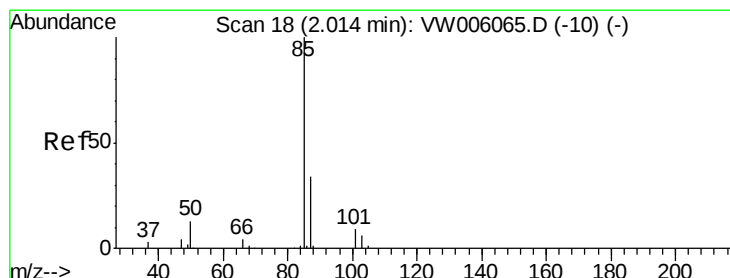
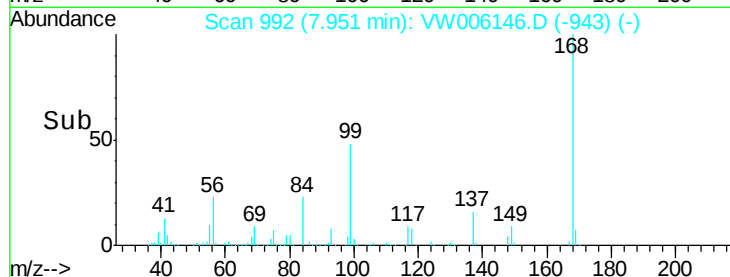
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.85 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006146.D

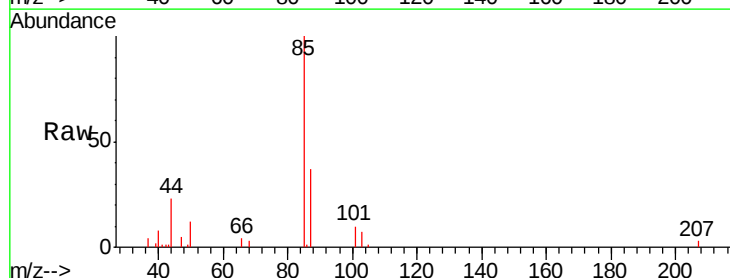
Acq: 18 Oct 2018 01:55

Tgt Ion: 85 Resp: 21260

Ion Ratio Lower Upper

85 100

87 36.8 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

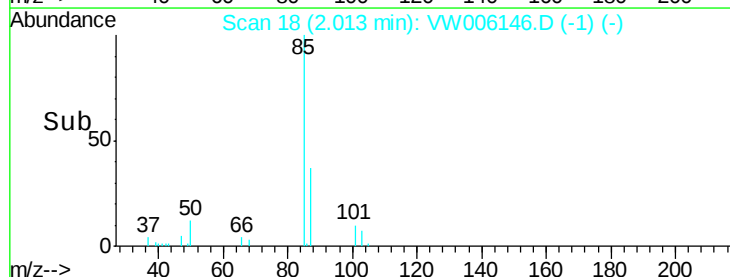
2000

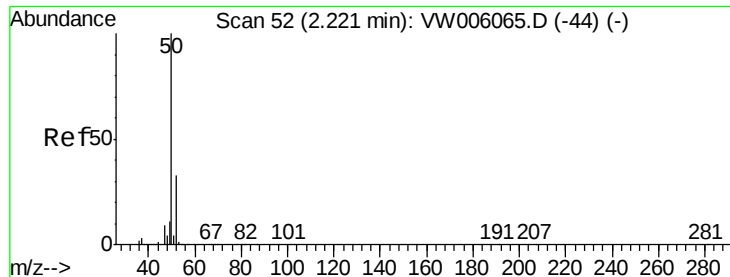
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 16.89 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

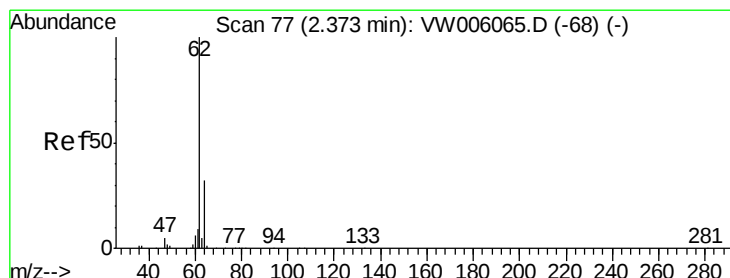
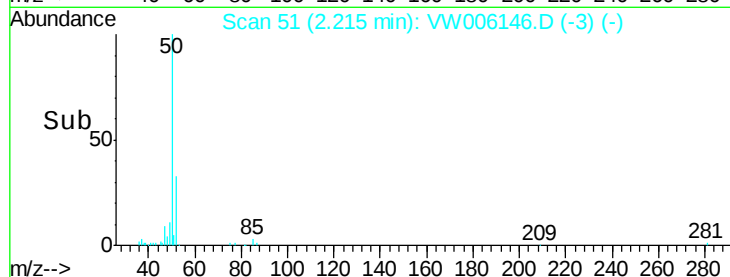
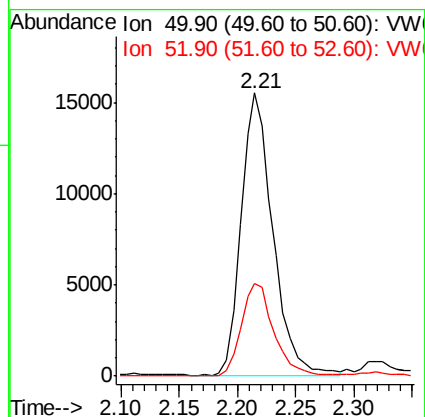
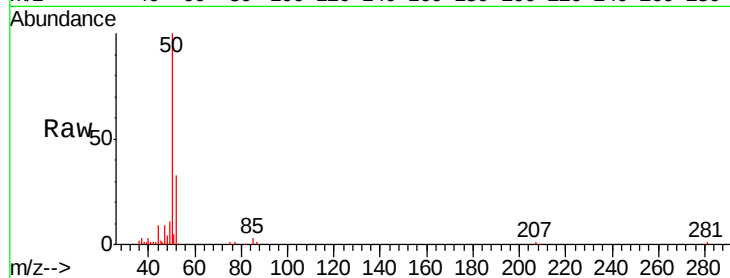
VW1017SBS02

Tgt Ion: 50 Resp: 29174

Ion Ratio Lower Upper

50 100

52 32.6 26.8 40.2



#4

Vinyl Chloride

Concen: 18.57 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006146.D

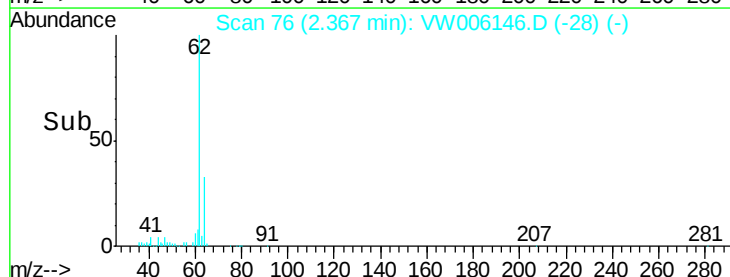
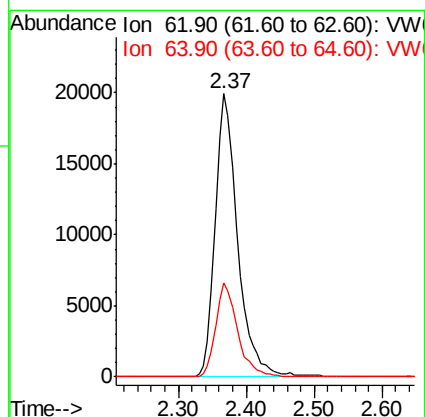
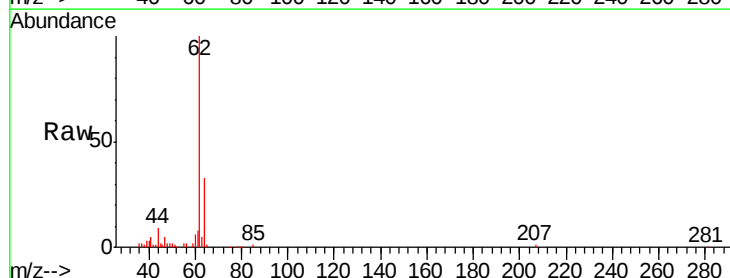
Acq: 18 Oct 2018 01:55

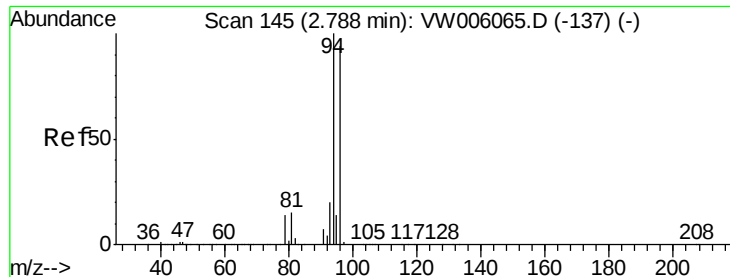
Tgt Ion: 62 Resp: 45806

Ion Ratio Lower Upper

62 100

64 33.1 25.9 38.9





#5

Bromomethane

Concen: 20.57 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

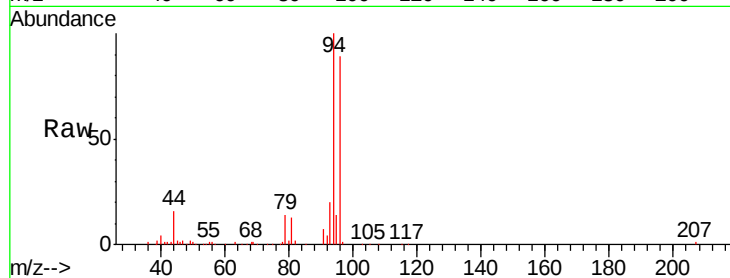
VW1017SBS02

Tgt Ion: 94 Resp: 46143

Ion Ratio Lower Upper

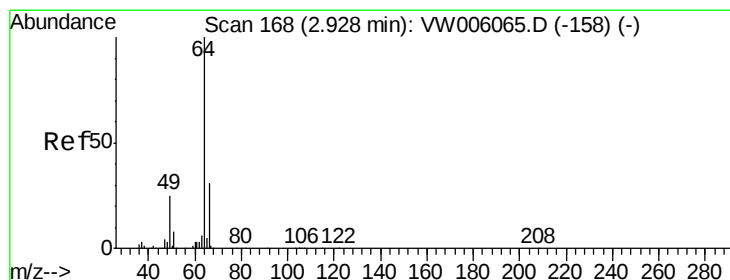
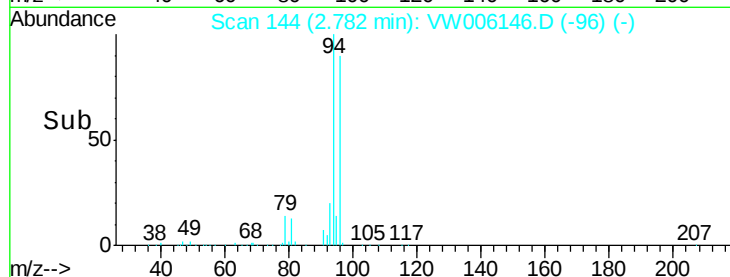
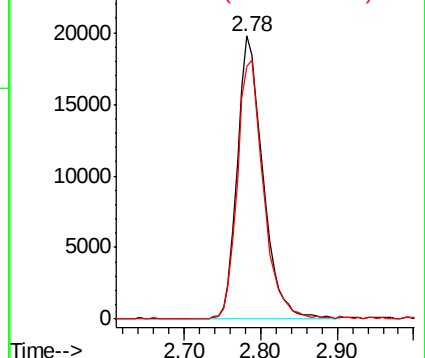
94 100

96 89.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.07 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006146.D

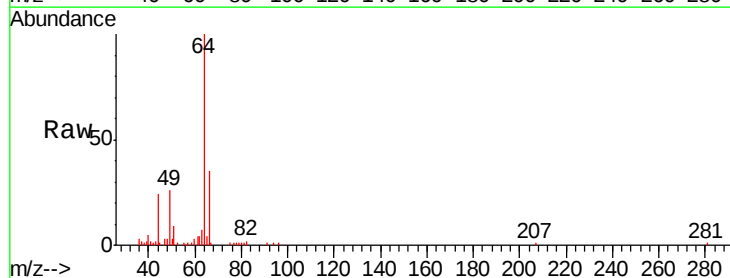
Acq: 18 Oct 2018 01:55

Tgt Ion: 64 Resp: 33699

Ion Ratio Lower Upper

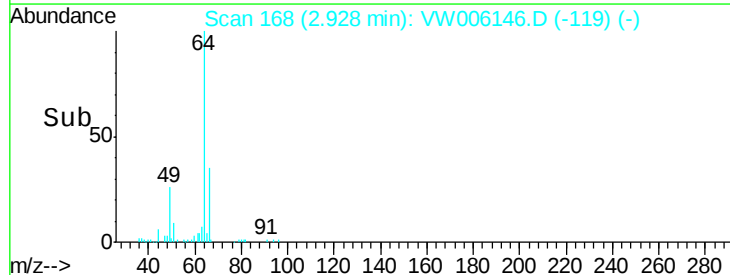
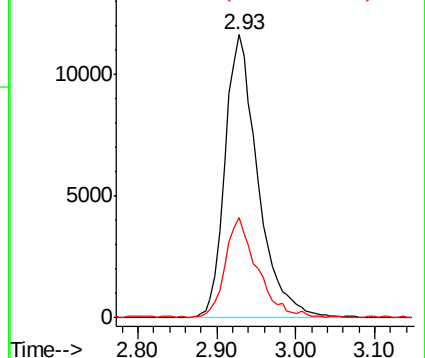
64 100

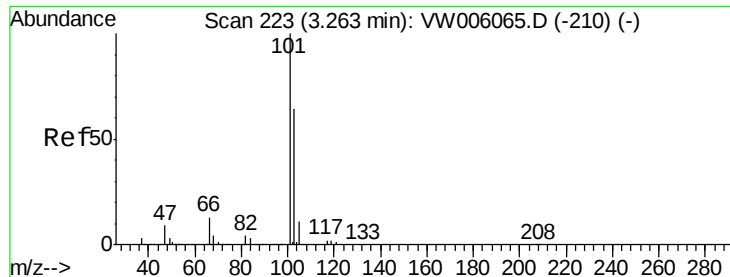
66 35.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 16.21 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

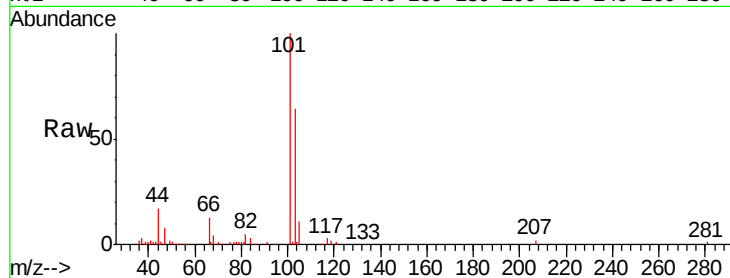
VW1017SBS02

Tgt Ion:101 Resp: 37248

Ion Ratio Lower Upper

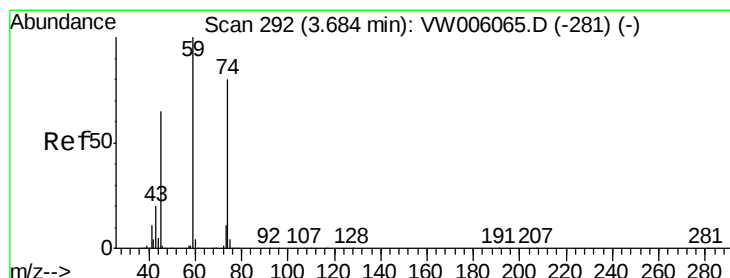
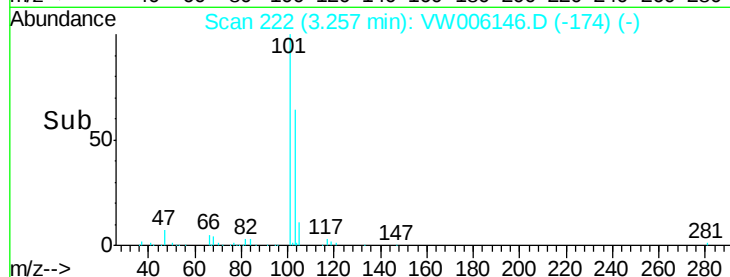
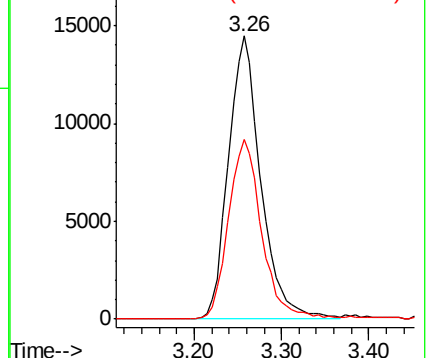
101 100

103 63.7 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.94 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006146.D

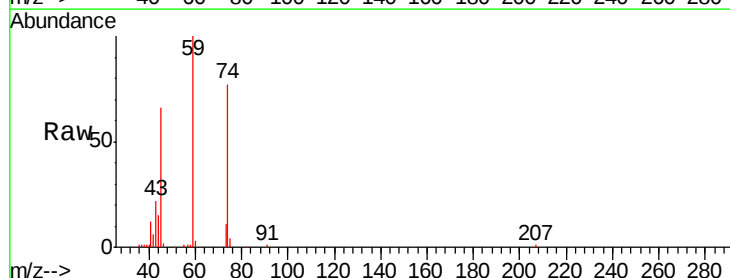
Acq: 18 Oct 2018 01:55

Tgt Ion: 74 Resp: 24345

Ion Ratio Lower Upper

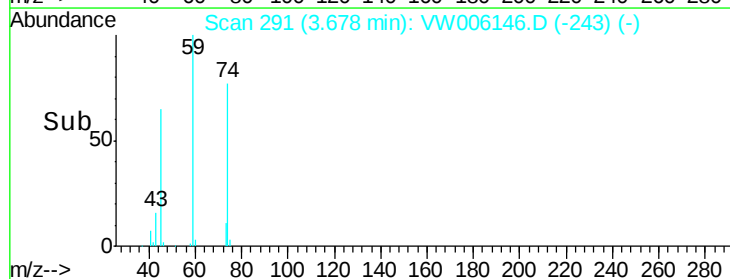
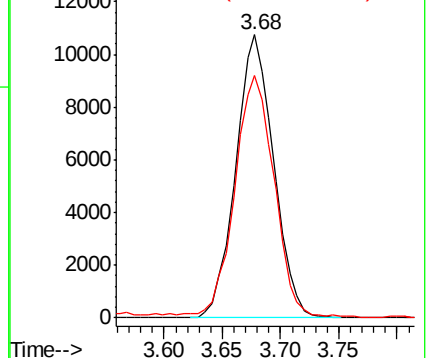
74 100

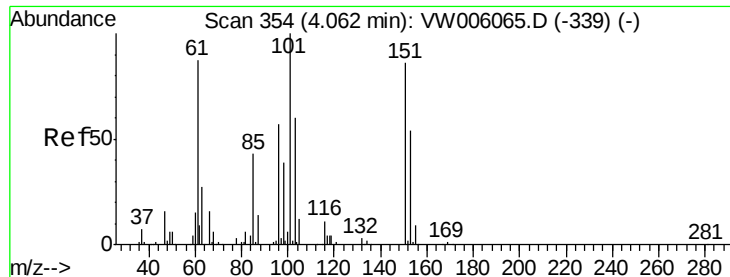
45 90.2 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.72 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

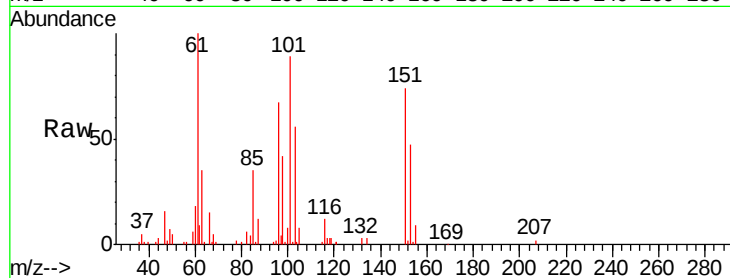
Tgt Ion:101 Resp: 47479

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

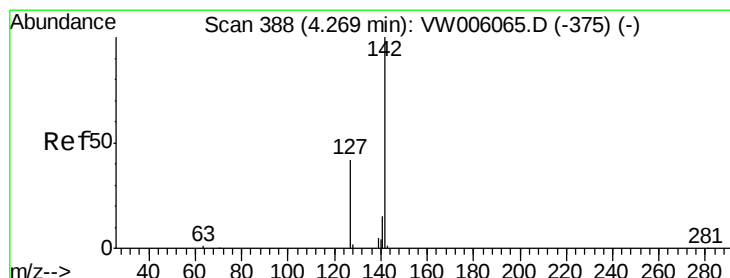
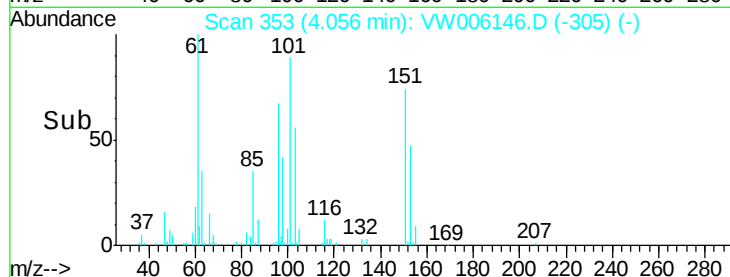
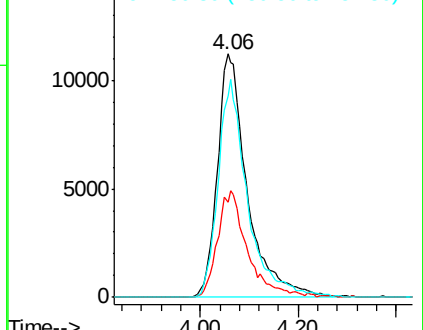
151 87.8 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.90 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

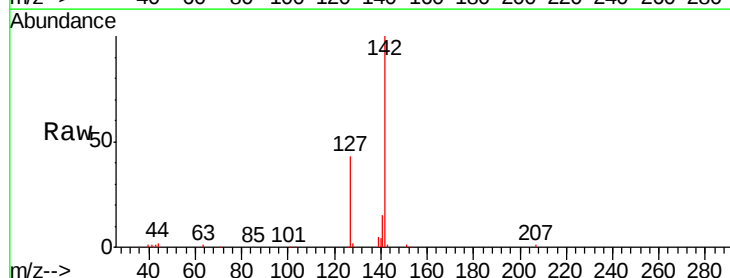
Tgt Ion:142 Resp: 83752

Ion Ratio Lower Upper

142 100

127 41.9 33.6 50.4

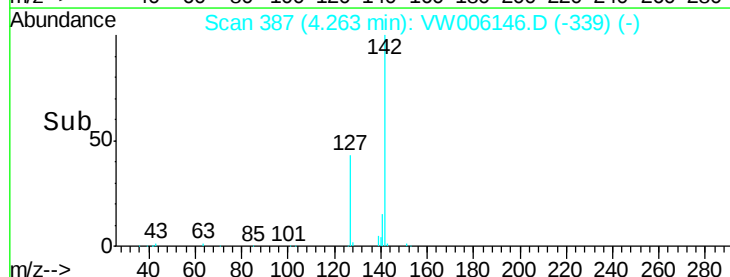
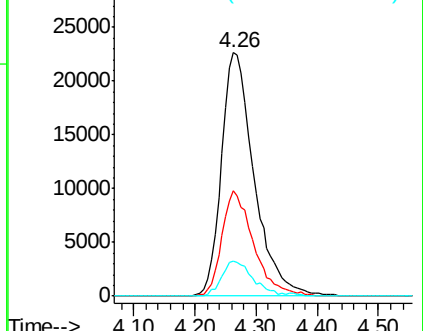
141 14.3 11.6 17.4

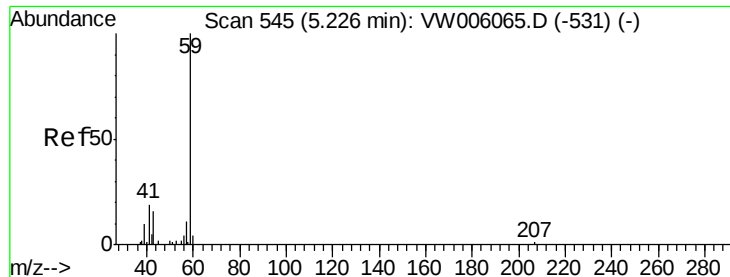


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



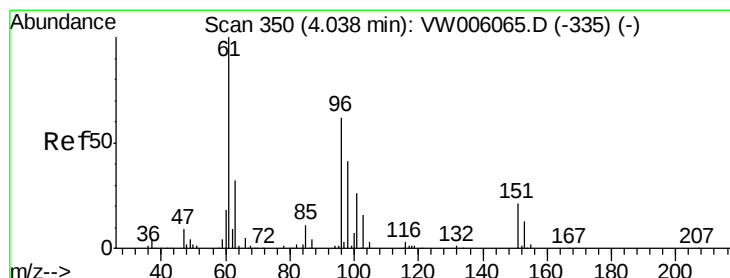
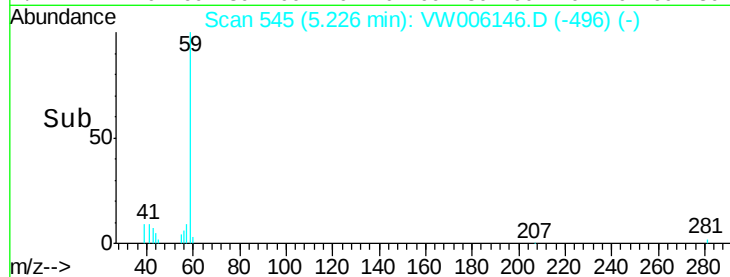
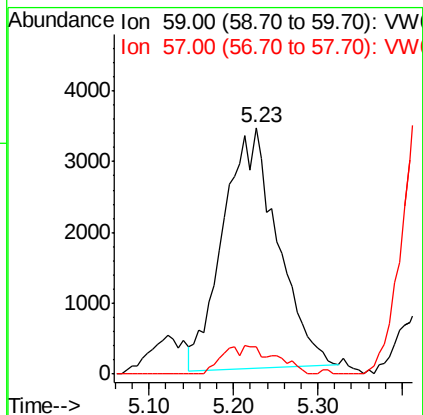
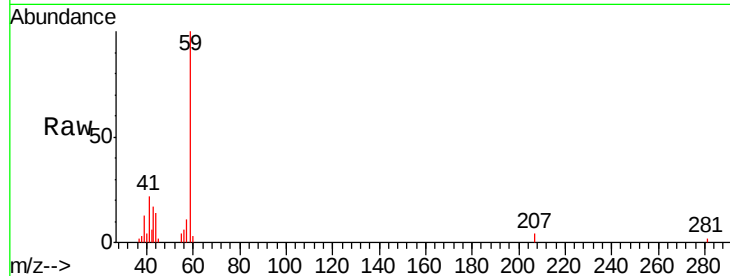


#11

Tert butyl alcohol
 Concen: 99.11 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

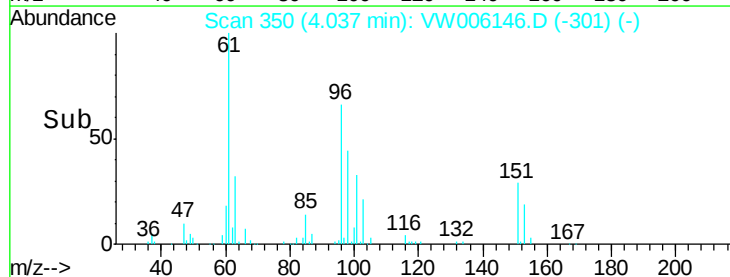
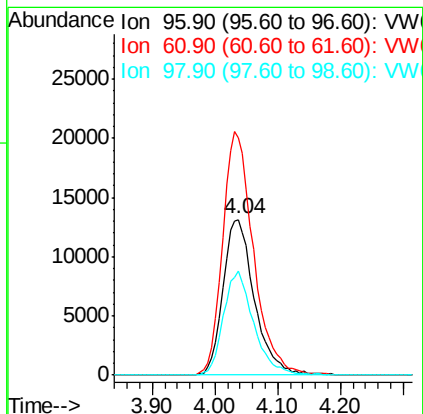
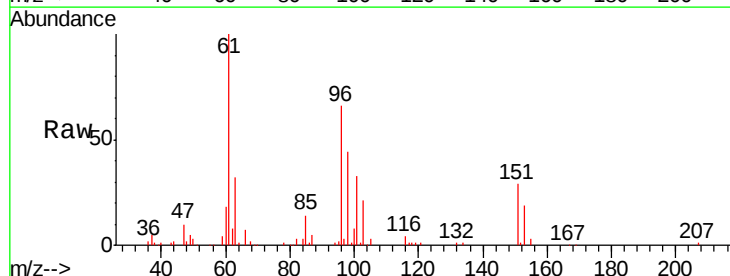
Tgt Ion: 59 Resp: 14981
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

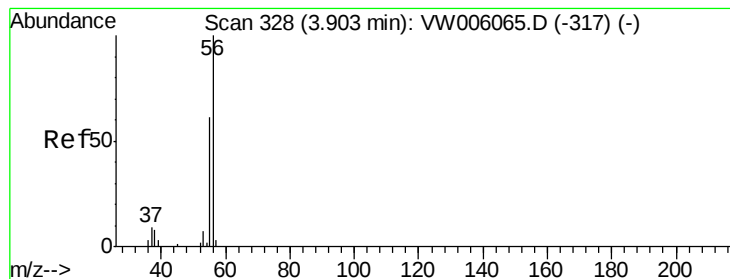


#12

1,1-Dichloroethene
 Concen: 20.11 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion: 96 Resp: 45554
 Ion Ratio Lower Upper
 96 100
 61 152.1 129.3 193.9
 98 66.4 53.1 79.7





#13

Acrolein

Concen: 100.82 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

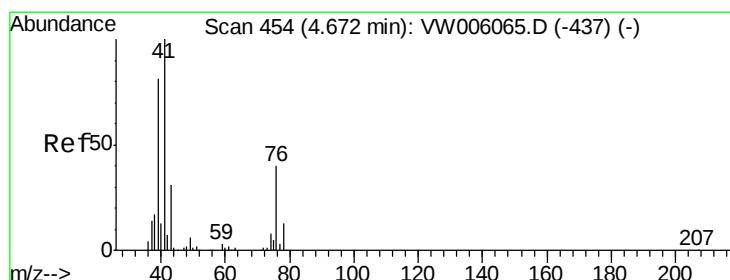
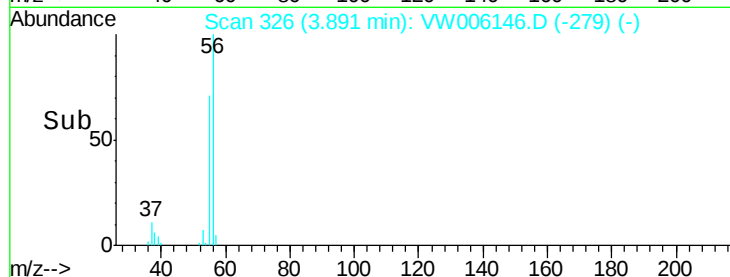
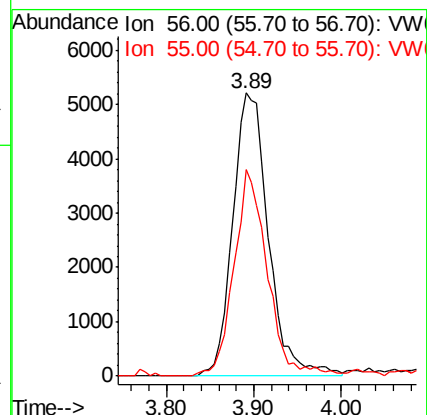
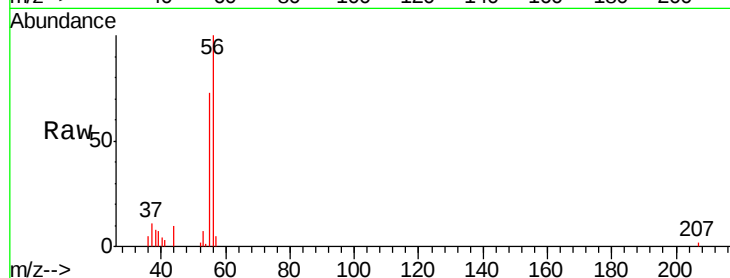
VW1017SBS02

Tgt Ion: 56 Resp: 14746

Ion Ratio Lower Upper

56 100

55 68.3 54.5 81.7



#14

Allyl chloride

Concen: 19.61 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

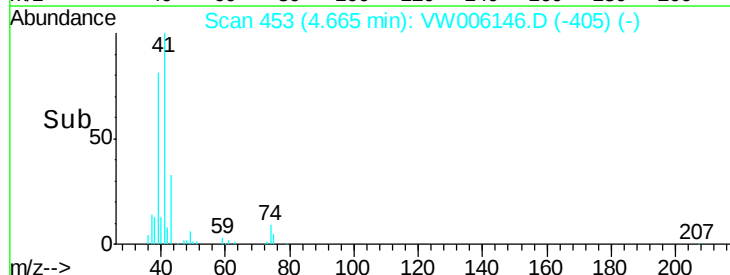
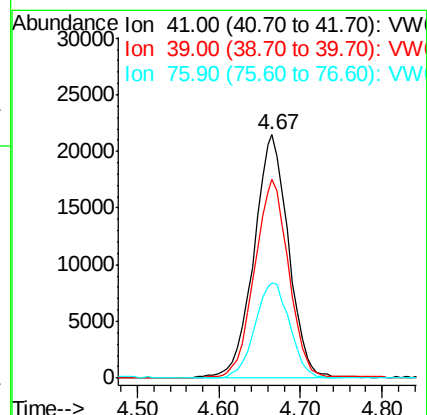
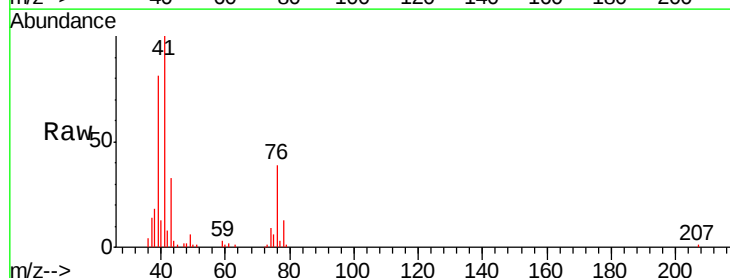
Tgt Ion: 41 Resp: 63496

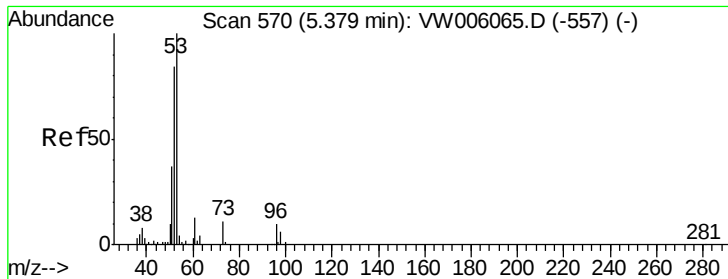
Ion Ratio Lower Upper

41 100

39 80.9 64.1 96.1

76 39.1 32.2 48.4





#15

Acrylonitrile

Concen: 112.81 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

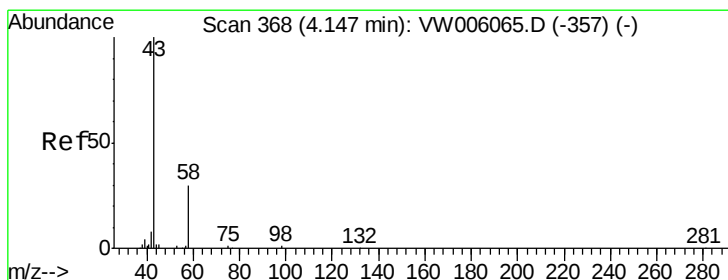
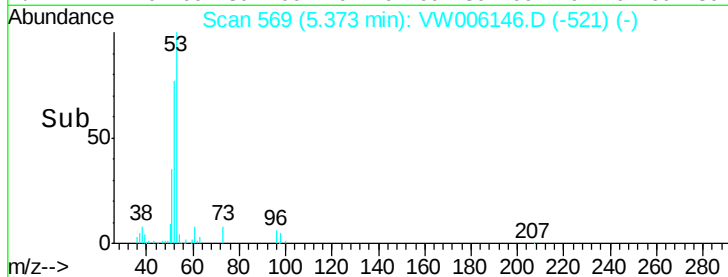
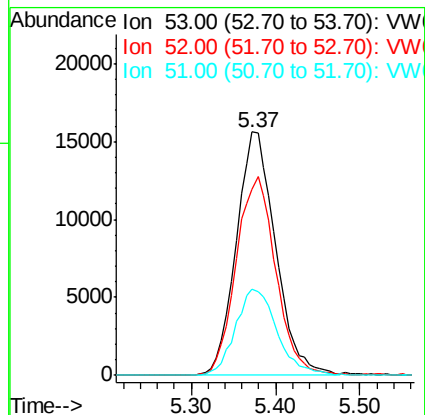
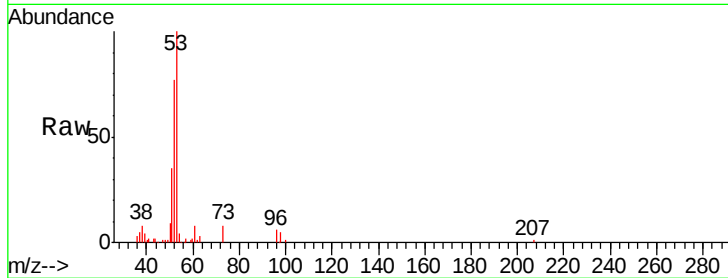
Tgt Ion: 53 Resp: 49405

Ion Ratio Lower Upper

53 100

52 82.5 66.9 100.3

51 37.5 30.1 45.1



#16

Acetone

Concen: 90.40 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006146.D

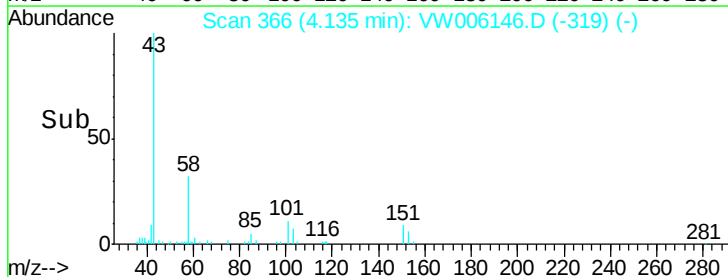
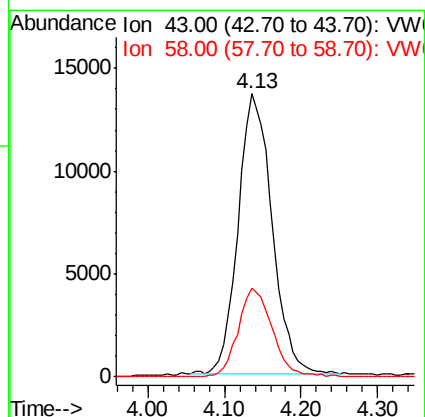
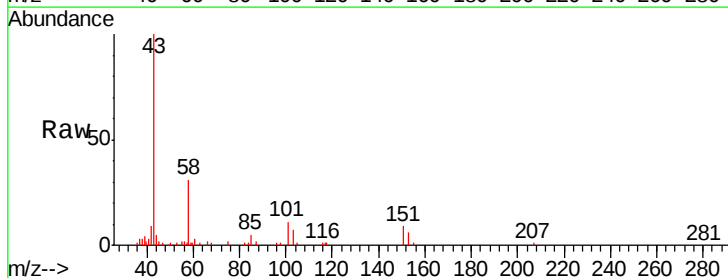
Acq: 18 Oct 2018 01:55

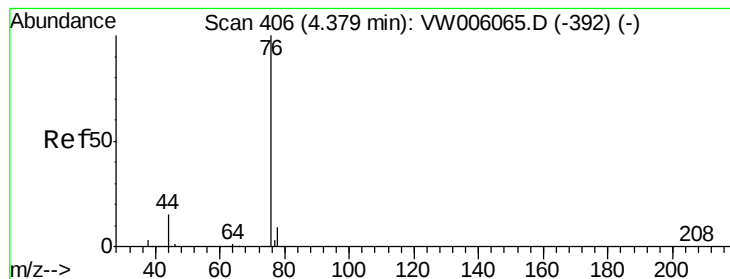
Tgt Ion: 43 Resp: 42104

Ion Ratio Lower Upper

43 100

58 31.7 24.0 36.0





#17

Carbon Disulfide

Concen: 18.03 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

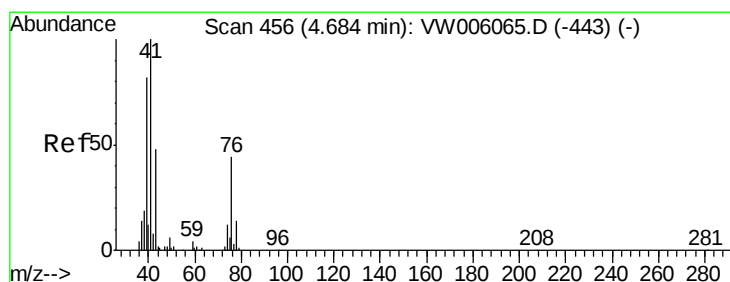
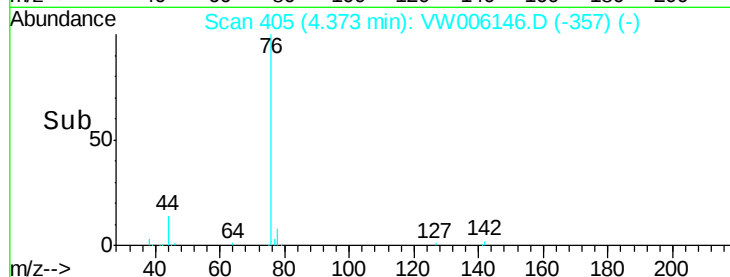
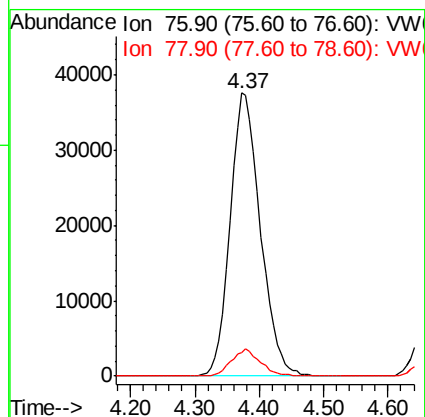
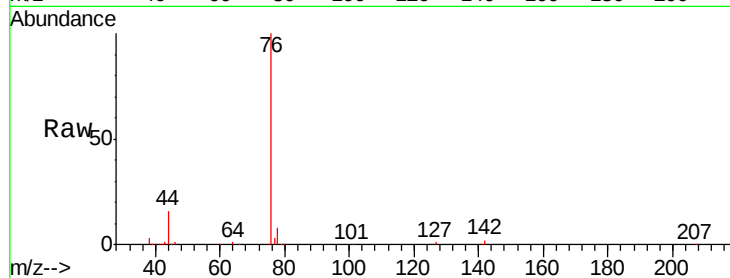
VW1017SBS02

Tgt Ion: 76 Resp: 123273

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3



#18

Methyl Acetate

Concen: 23.32 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006146.D

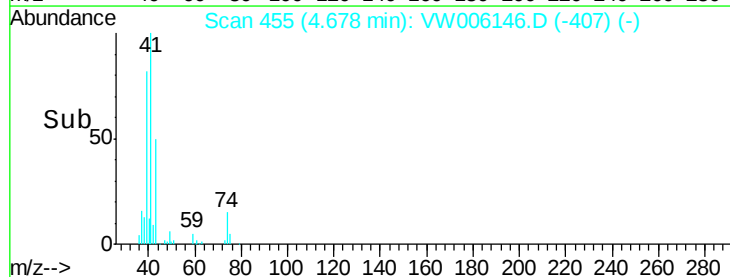
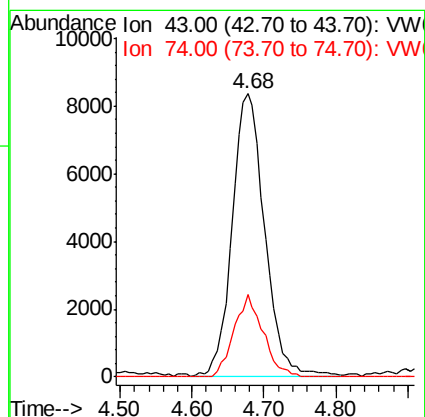
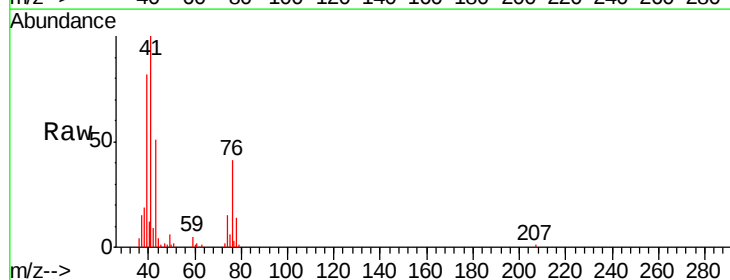
Acq: 18 Oct 2018 01:55

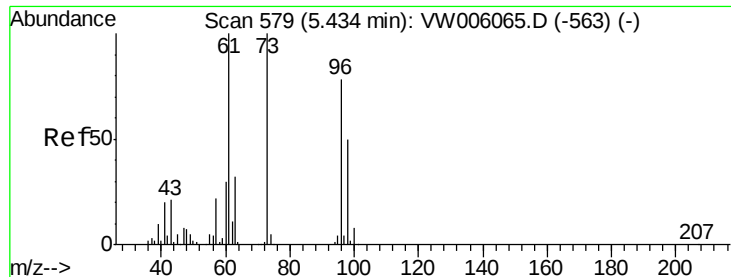
Tgt Ion: 43 Resp: 26374

Ion Ratio Lower Upper

43 100

74 25.8 20.5 30.7

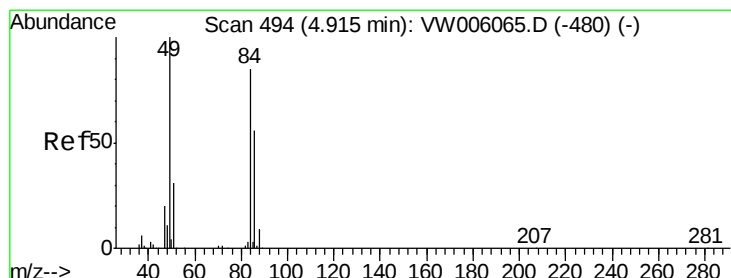
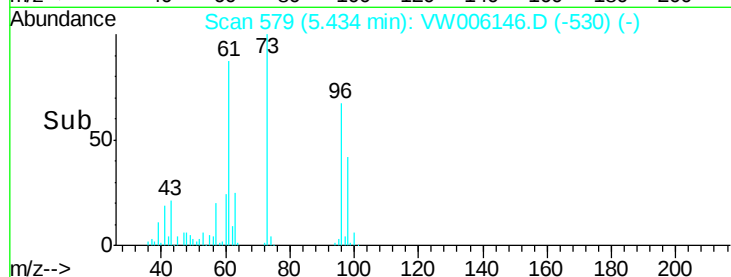
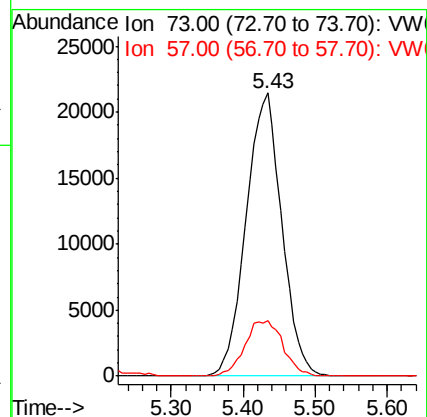
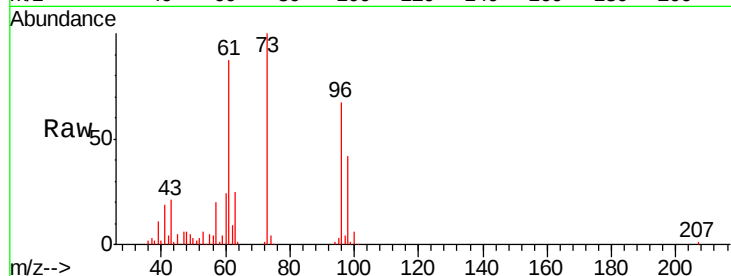




#19
Methyl tert-butyl Ether
Concen: 21.37 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

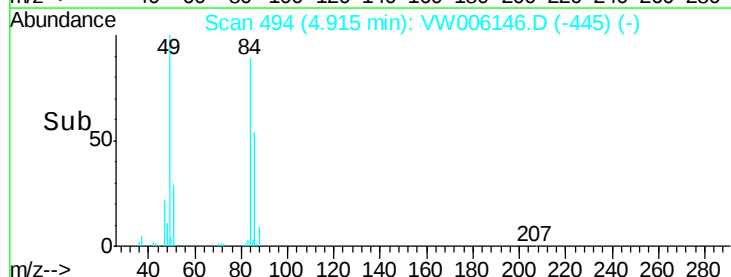
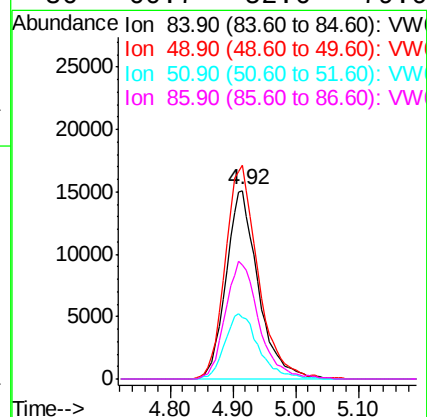
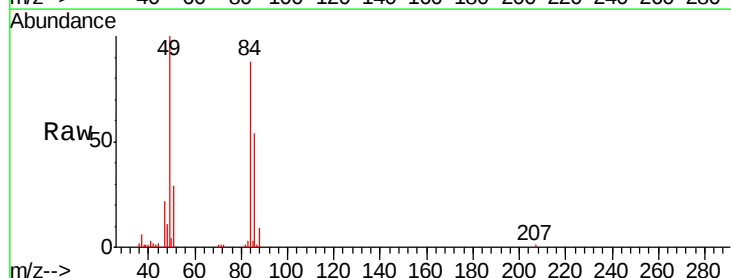
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

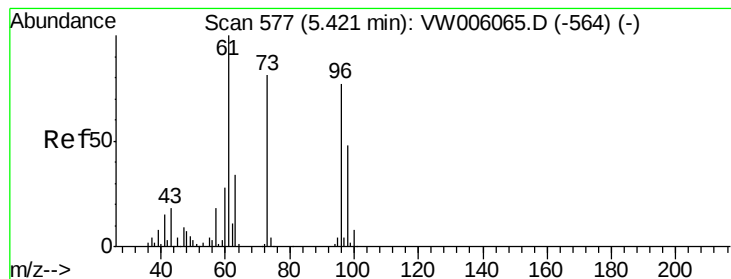
Tgt Ion: 73 Resp: 73718
Ion Ratio Lower Upper
73 100
57 19.7 17.4 26.2



#20
Methylene Chloride
Concen: 21.58 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion: 84 Resp: 53521
Ion Ratio Lower Upper
84 100
49 113.4 93.6 140.4
51 32.9 29.0 43.4
86 60.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.85 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

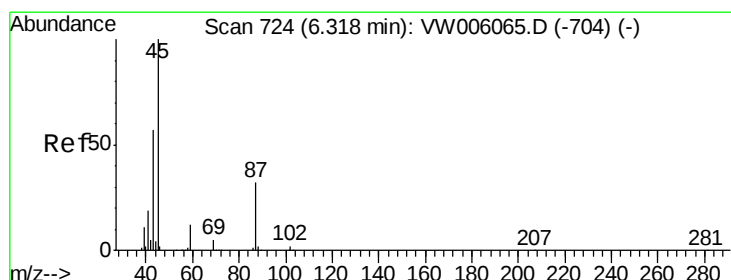
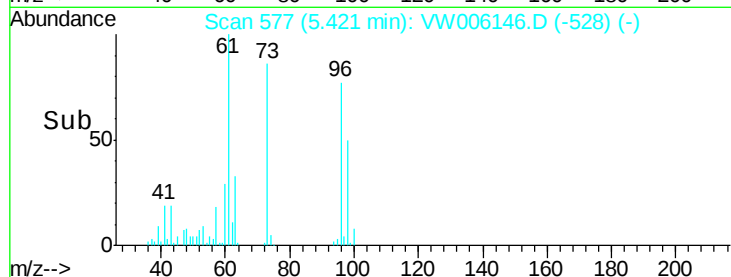
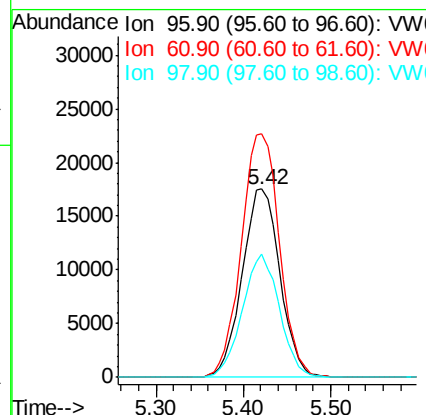
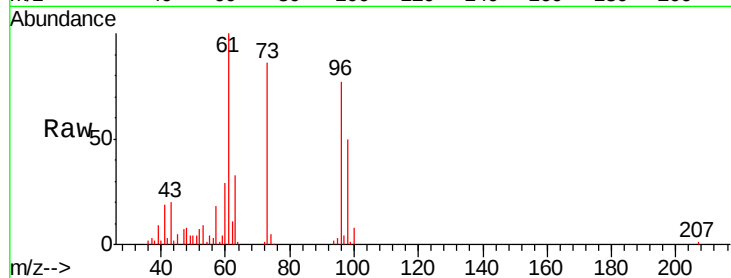
Tgt Ion: 96 Resp: 52716

Ion Ratio Lower Upper

96 100

61 129.4 104.5 156.7

98 65.3 50.6 75.8



#22

Diisopropyl ether

Concen: 21.31 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Tgt Ion: 45 Resp: 136409

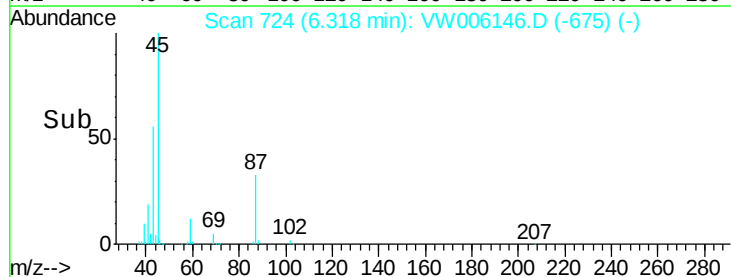
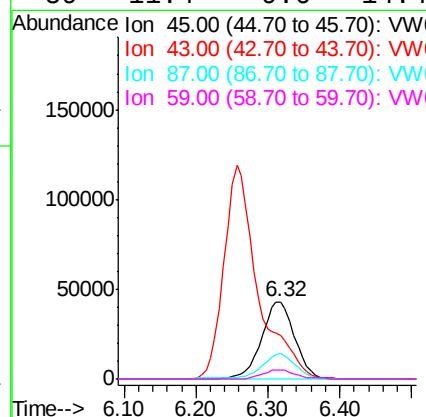
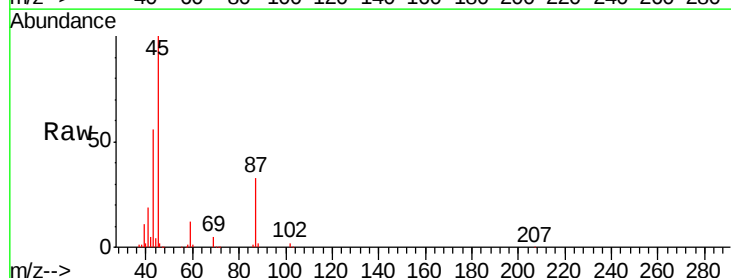
Ion Ratio Lower Upper

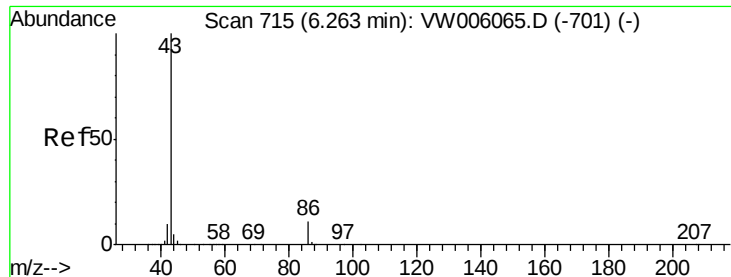
45 100

43 55.8 45.7 68.5

87 32.5 25.9 38.9

59 11.4 9.6 14.4





#23

Vinyl Acetate

Concen: 103.58 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampled :

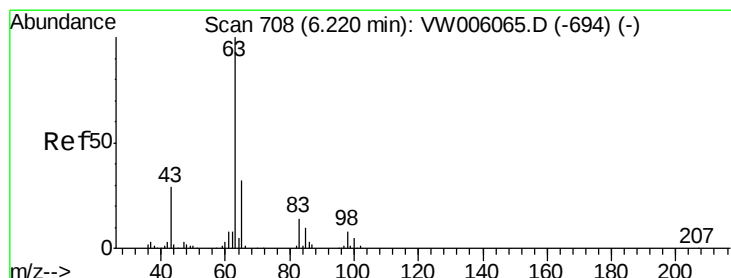
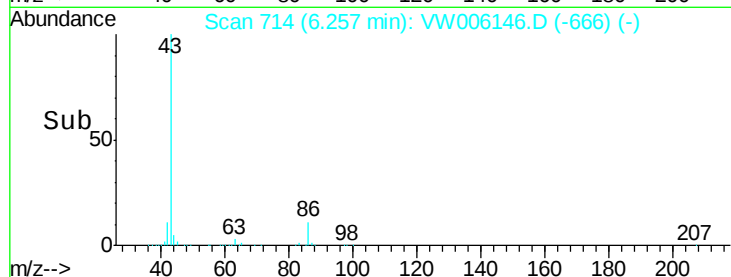
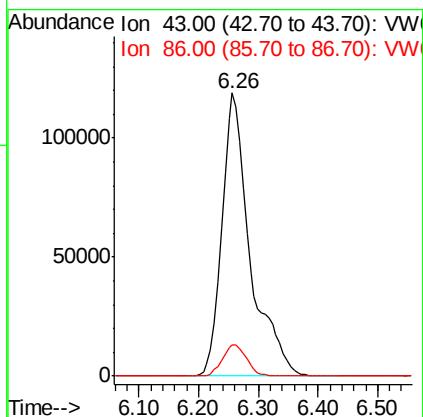
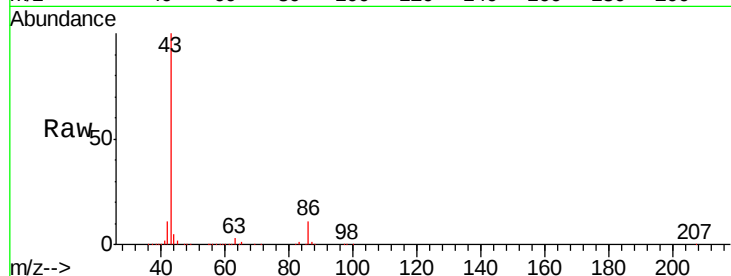
VW1017SBS02

Tgt Ion: 43 Resp: 391252

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.6



#24

1,1-Dichloroethane

Concen: 21.42 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

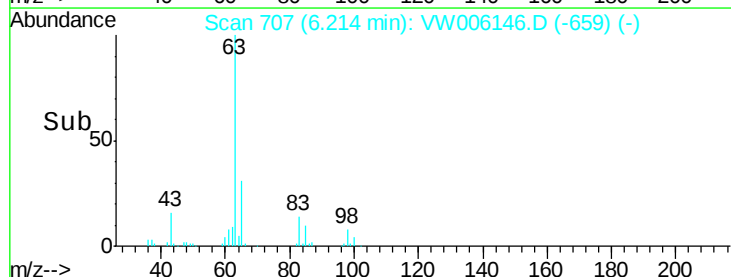
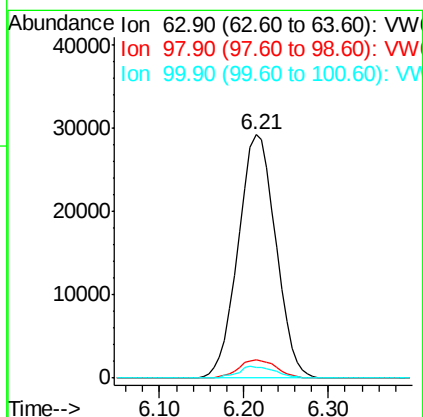
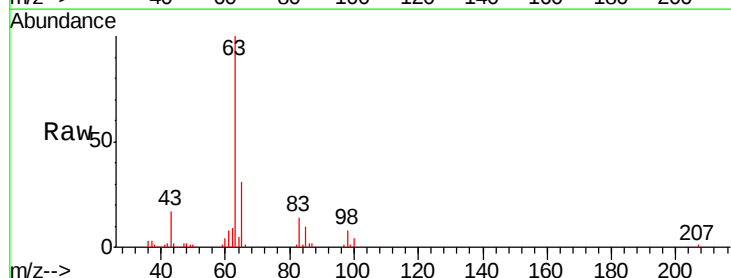
Tgt Ion: 63 Resp: 88447

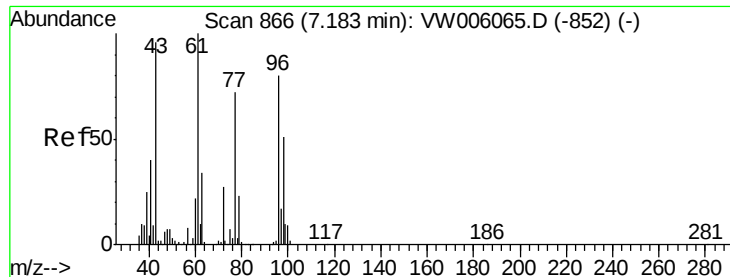
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 110.06 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampled :

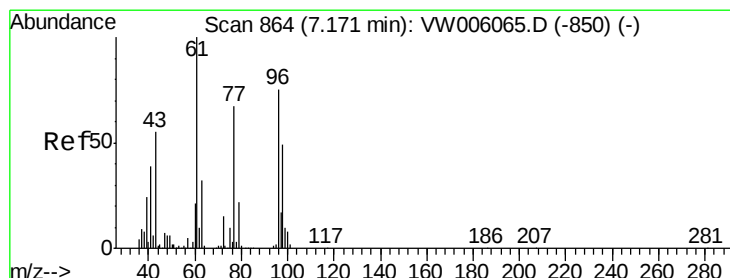
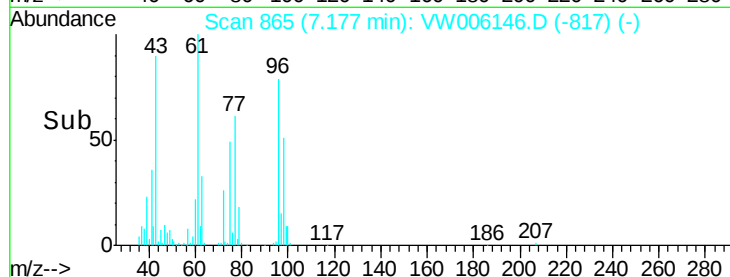
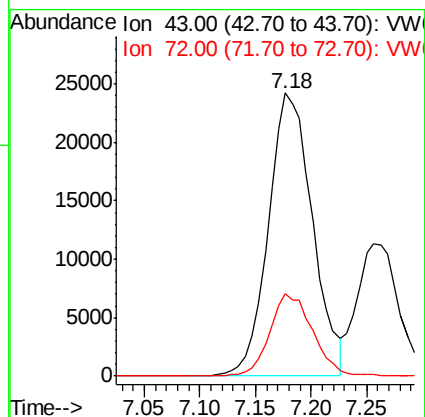
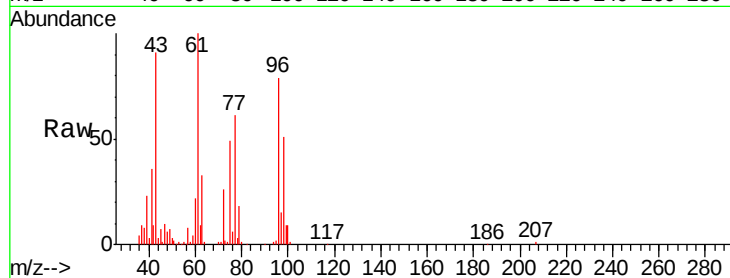
VW1017SBS02

Tgt Ion: 43 Resp: 66825

Ion Ratio Lower Upper

43 100

72 29.0 22.8 34.2



#26

2,2-Dichloropropane

Concen: 17.85 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006146.D

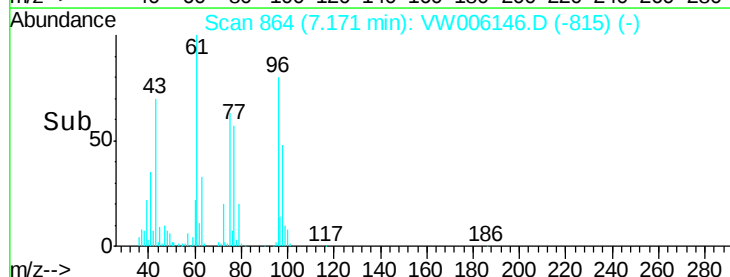
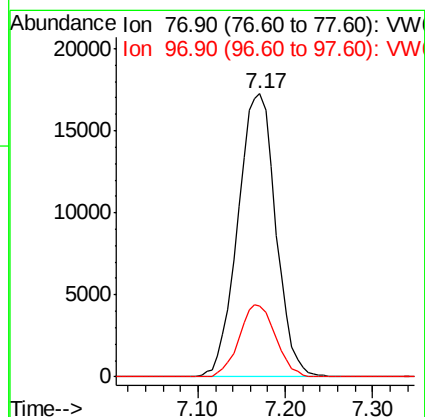
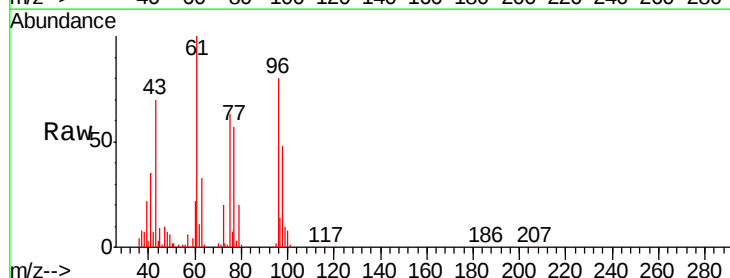
Acq: 18 Oct 2018 01:55

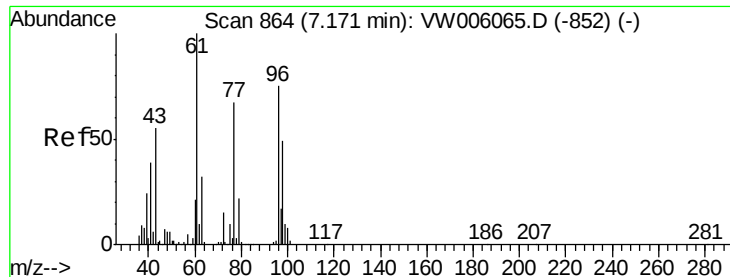
Tgt Ion: 77 Resp: 51984

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 21.83 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

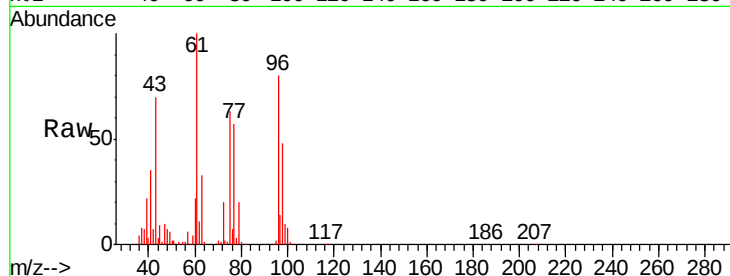
Tgt Ion: 96 Resp: 60900

Ion Ratio Lower Upper

96 100

61 131.5 0.0 267.2

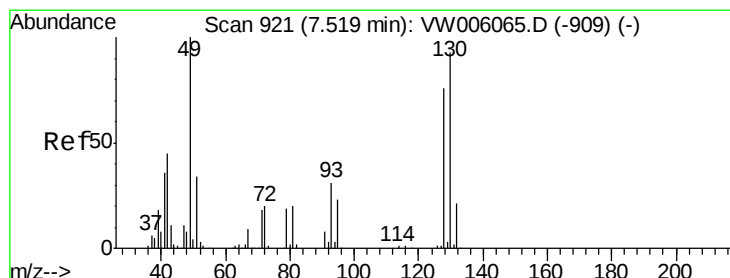
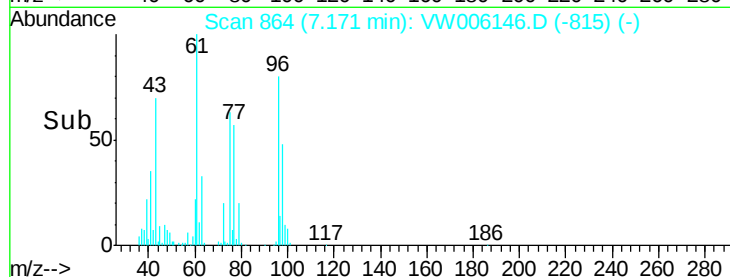
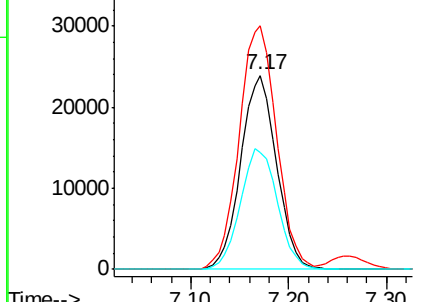
98 64.2 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 18.86 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

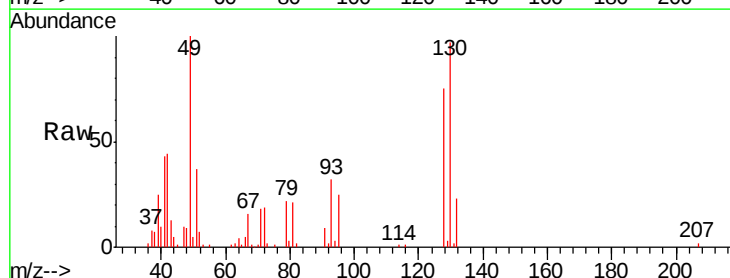
Tgt Ion: 49 Resp: 30077

Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

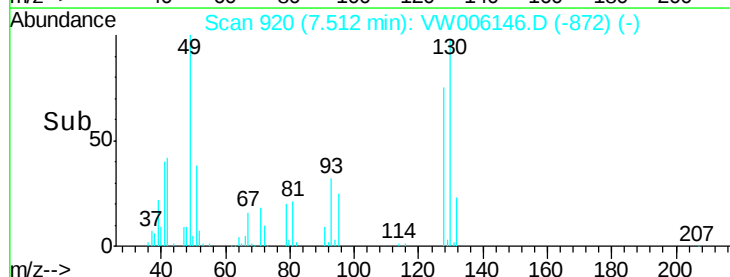
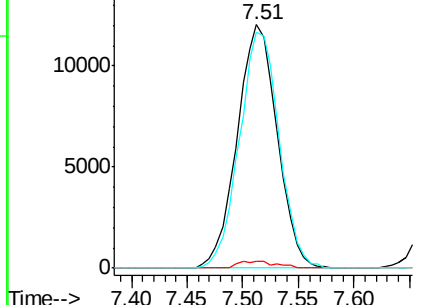
130 96.7 73.8 110.8

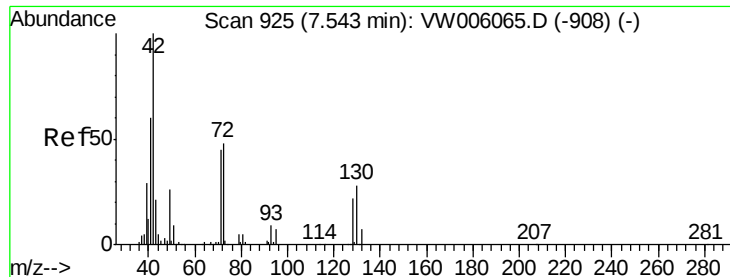


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.87 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

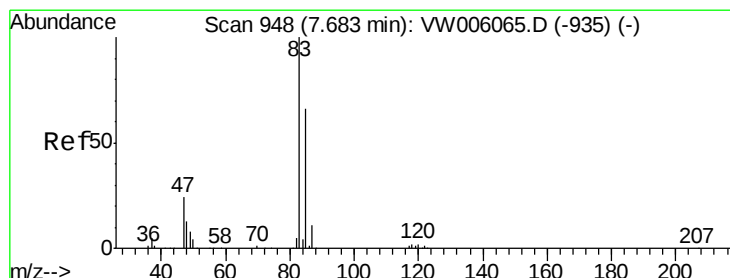
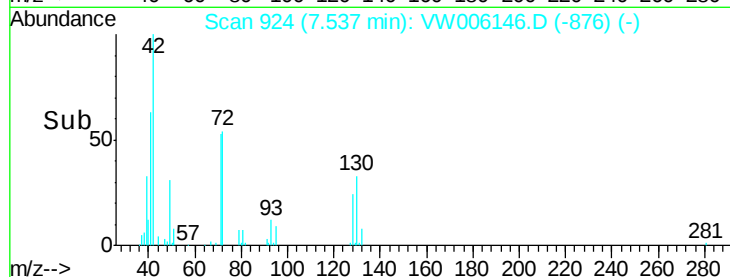
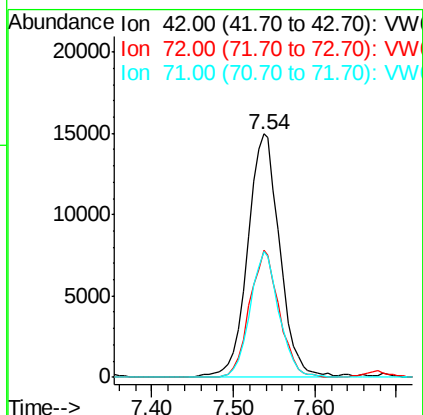
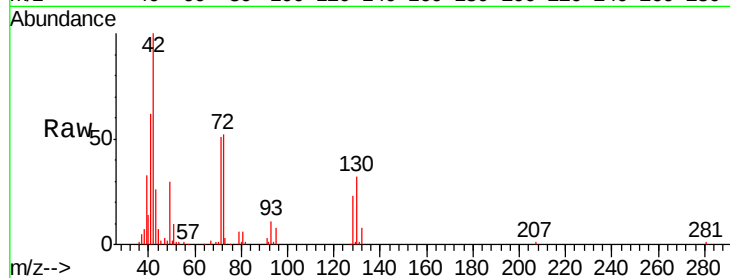
Tgt Ion: 42 Resp: 41004

Ion Ratio Lower Upper

42 100

72 48.3 38.0 57.0

71 46.7 35.3 52.9



#30

Chloroform

Concen: 21.56 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006146.D

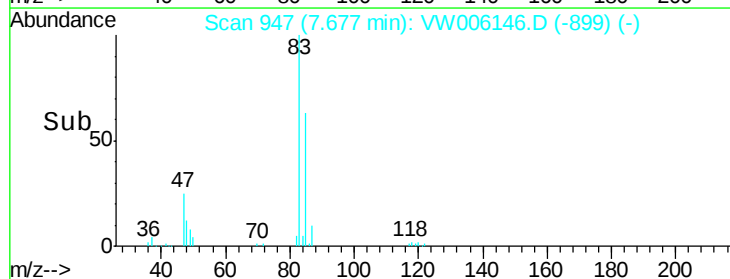
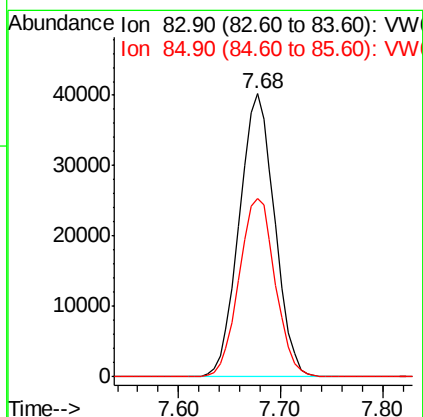
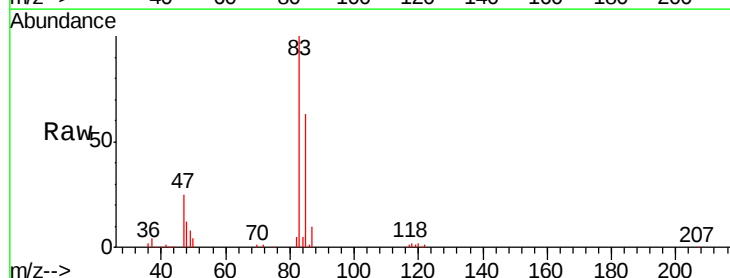
Acq: 18 Oct 2018 01:55

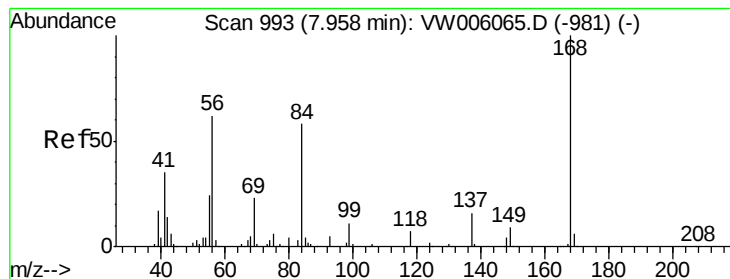
Tgt Ion: 83 Resp: 97005

Ion Ratio Lower Upper

83 100

85 63.2 52.6 79.0





#31

Cyclohexane

Concen: 18.99 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

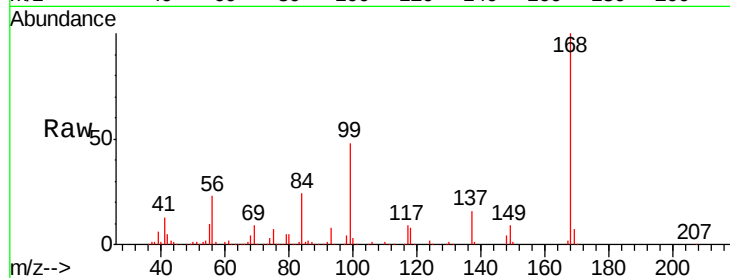
Tgt Ion: 56 Resp: 78102

Ion Ratio Lower Upper

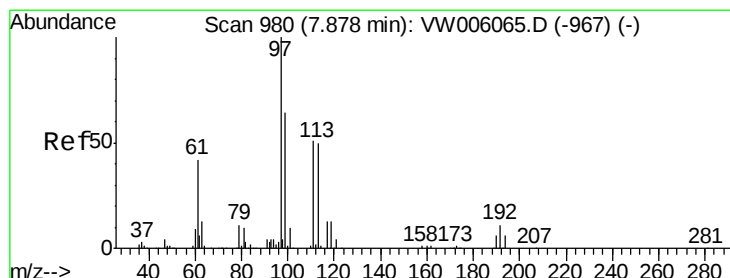
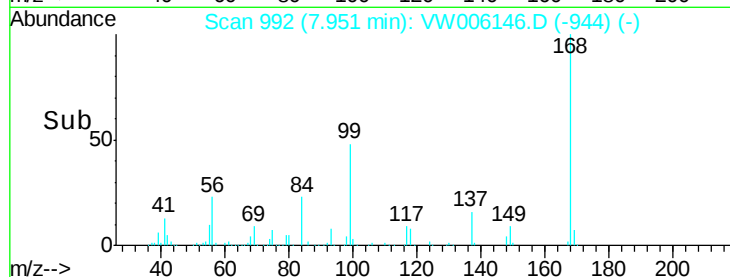
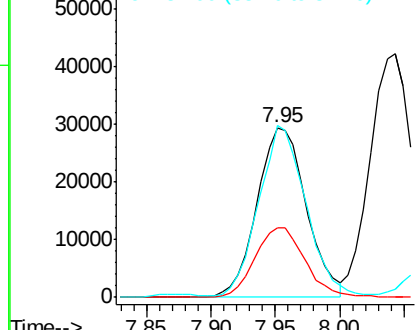
56 100

69 41.0 29.4 44.0

84 100.3 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 20.09 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

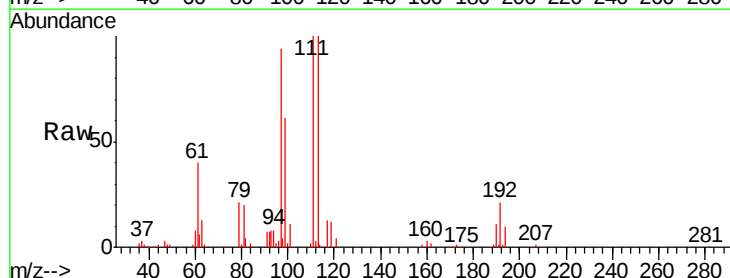
Tgt Ion: 97 Resp: 81528

Ion Ratio Lower Upper

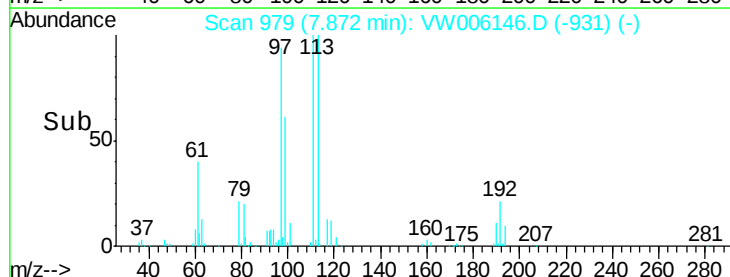
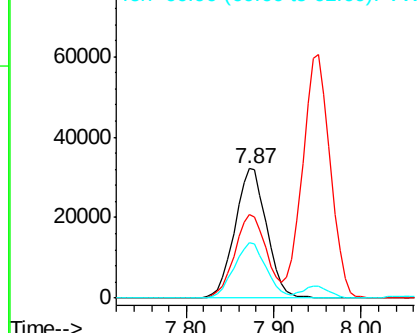
97 100

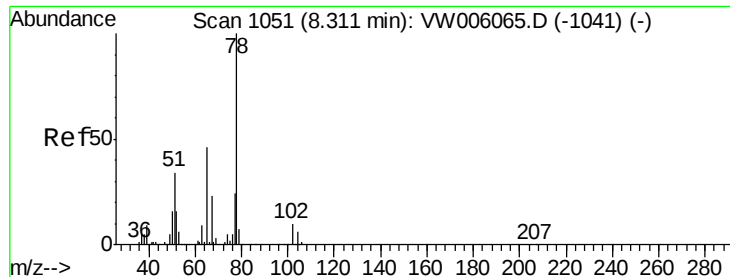
99 64.0 50.9 76.3

61 42.9 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 52.19 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

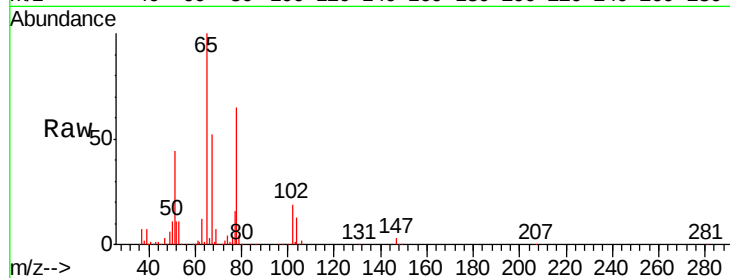
VW1017SBS02

Tgt Ion: 65 Resp: 117301

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

50000

40000

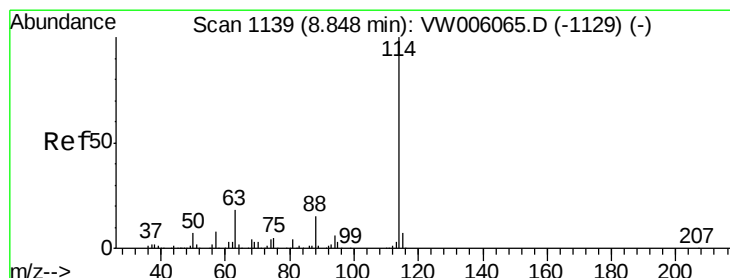
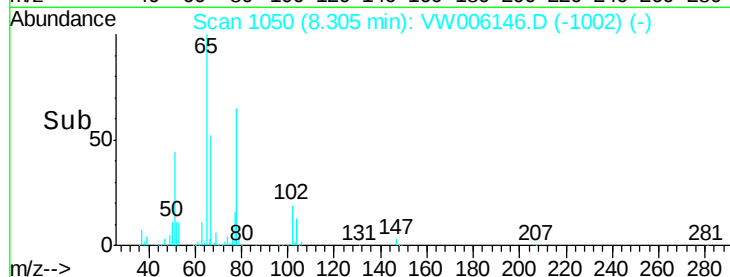
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

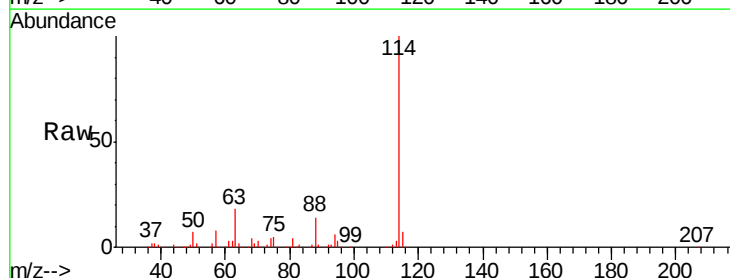
Tgt Ion: 114 Resp: 395084

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 14.4 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

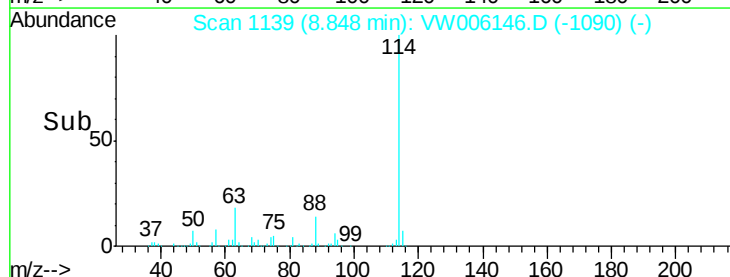
150000

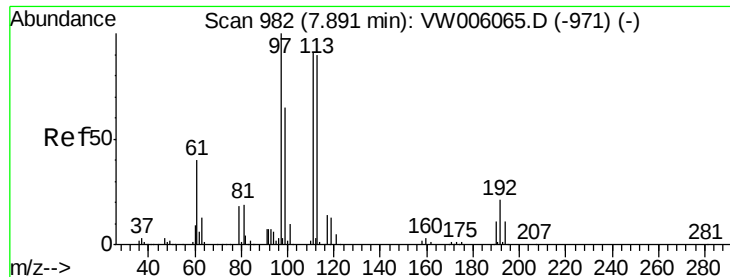
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.42 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

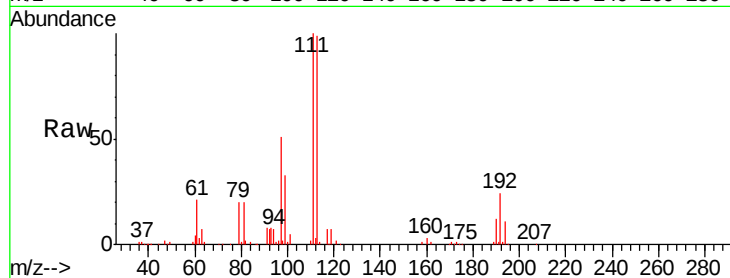
Tgt Ion:113 Resp: 117697

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

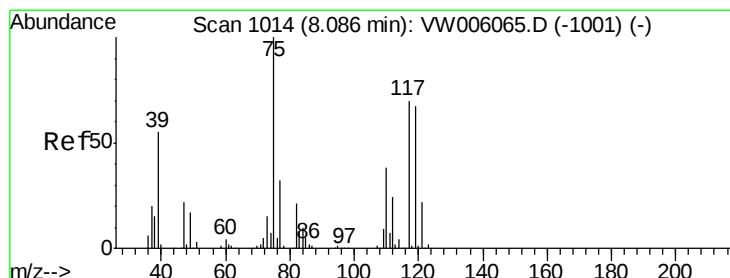
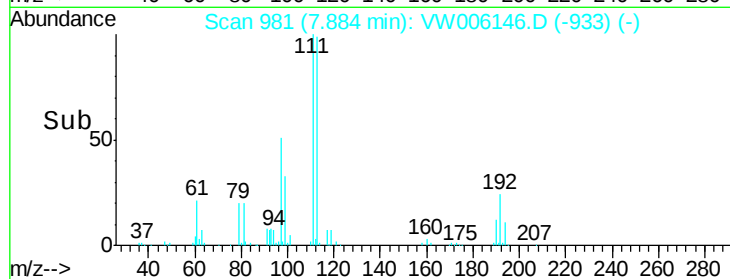
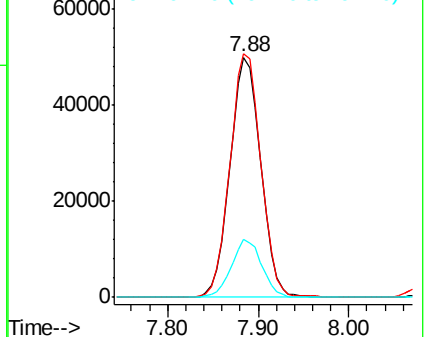
192 23.6 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.46 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

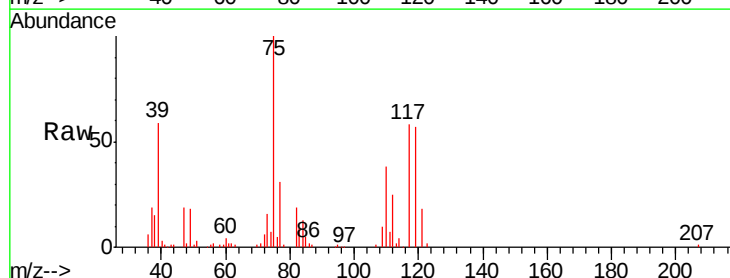
Tgt Ion: 75 Resp: 74512

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.1

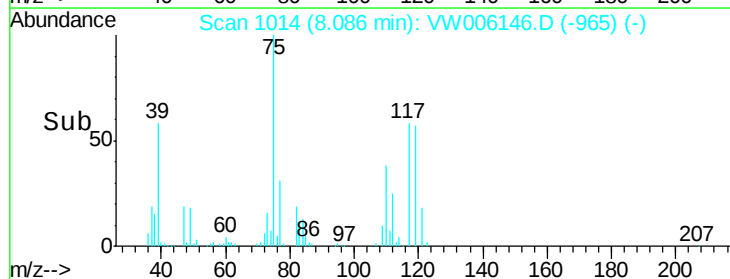
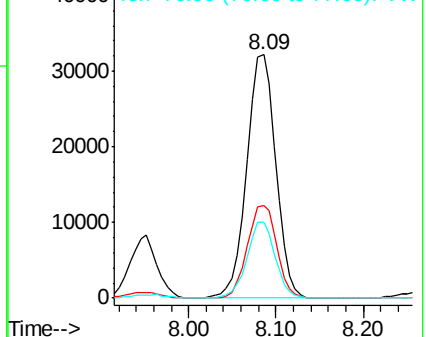
77 30.2 25.0 37.4

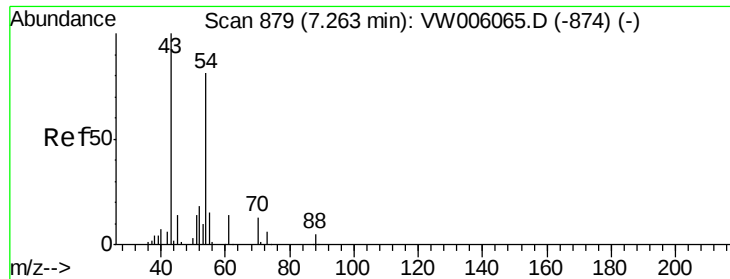


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

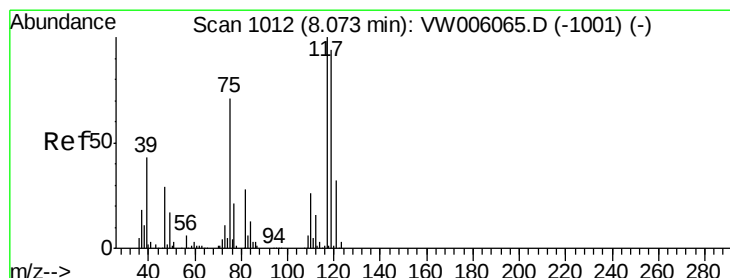
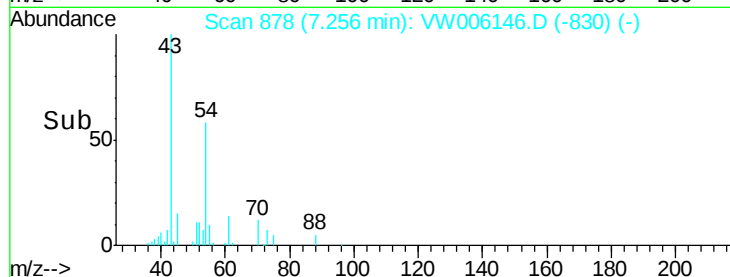
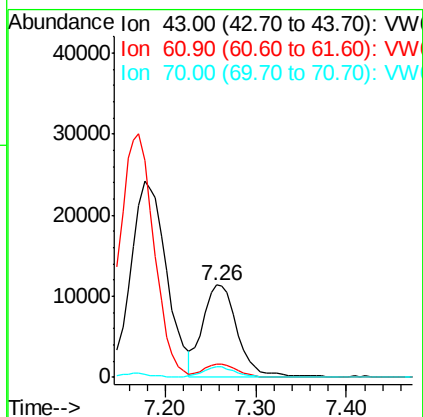
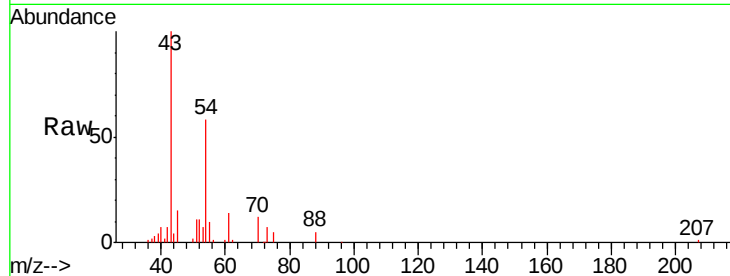




#37
Ethyl Acetate
Concen: 22.49 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

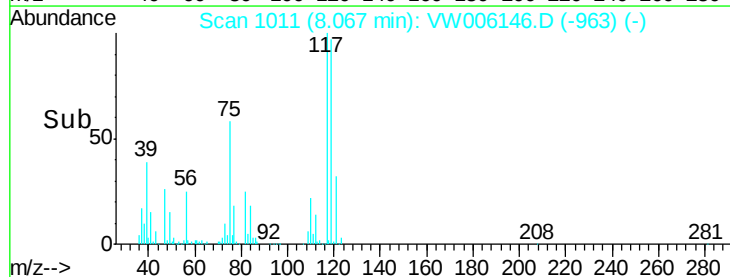
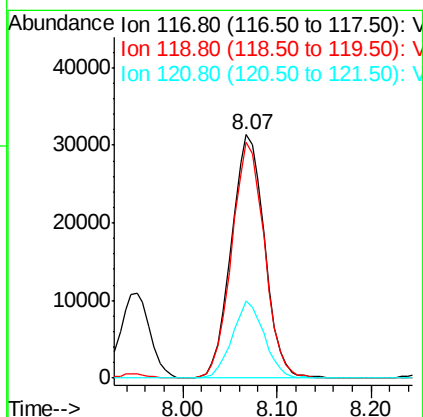
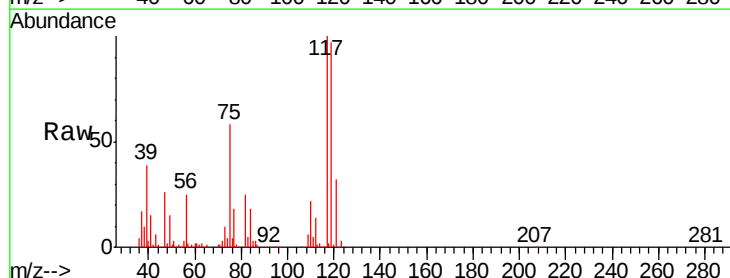
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

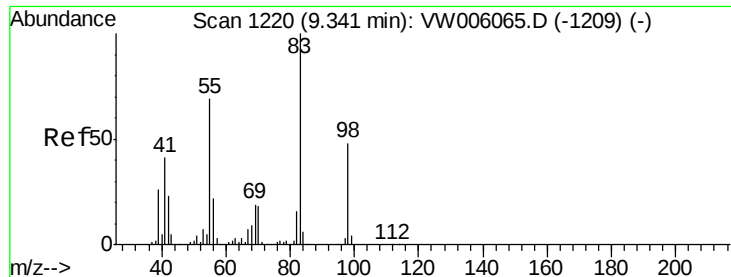
Tgt Ion: 43 Resp: 30430
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.36 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion: 117 Resp: 77298
Ion Ratio Lower Upper
117 100
119 96.7 75.2 112.8
121 31.9 25.3 37.9

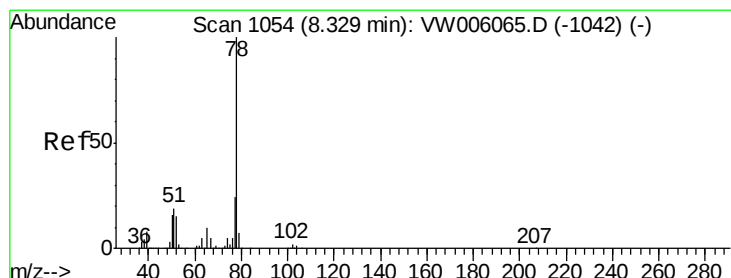
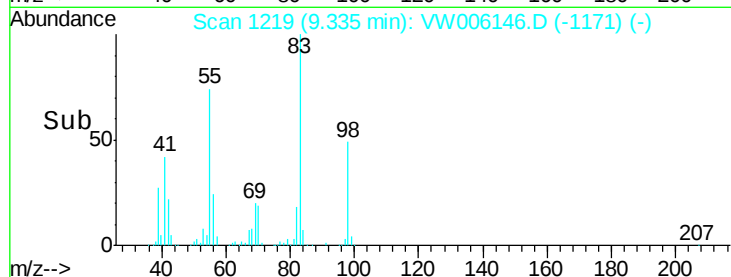
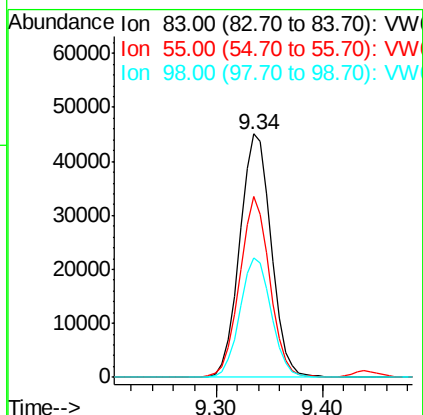
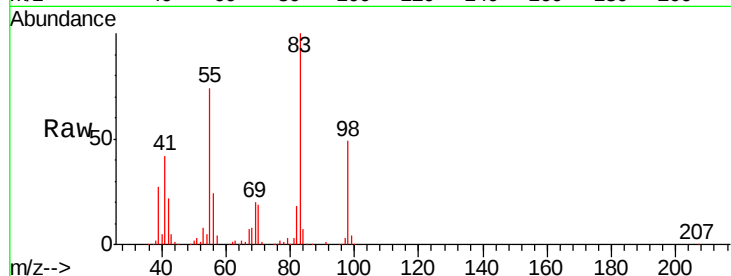




#39
Methylcyclohexane
Concen: 19.37 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

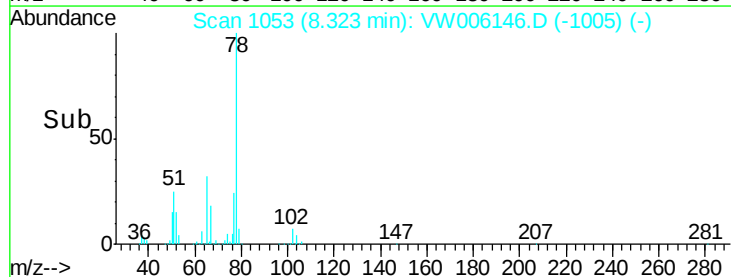
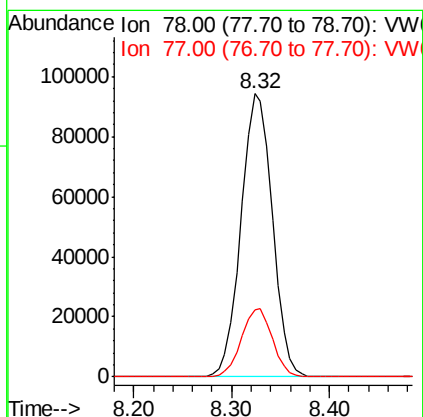
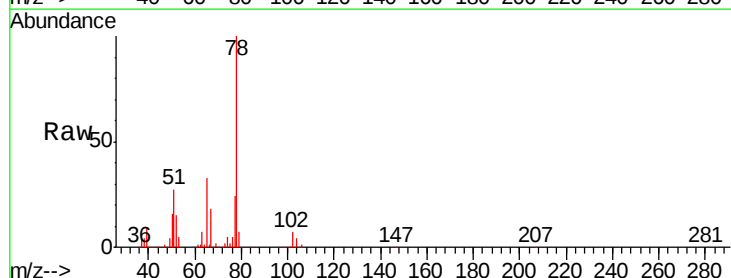
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

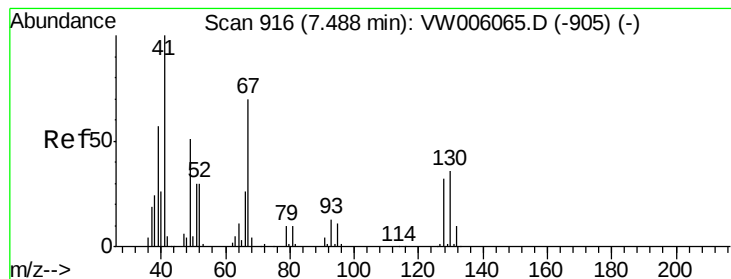
Tgt Ion: 83 Resp: 93748
Ion Ratio Lower Upper
83 100
55 74.4 55.0 82.6
98 49.0 38.6 57.8



#40
Benzene
Concen: 21.01 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion: 78 Resp: 209895
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0





#41

Methacrylonitrile

Concen: 22.85 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

Tgt Ion: 41 Resp: 18637

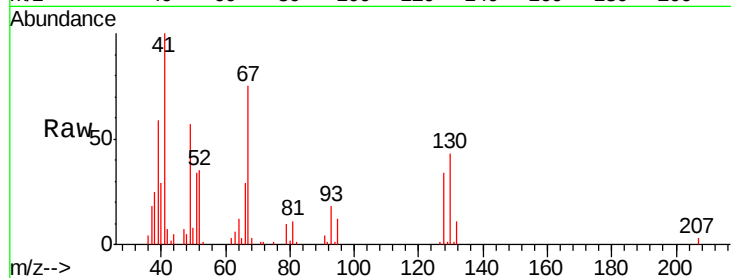
Ion Ratio Lower Upper

41 100

39 52.3 46.2 69.4

67 71.9 57.7 86.5

52 32.0 24.7 37.1

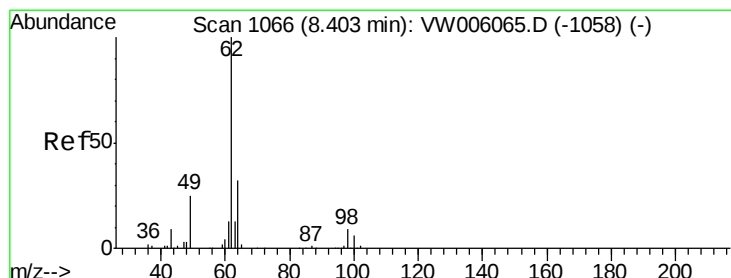
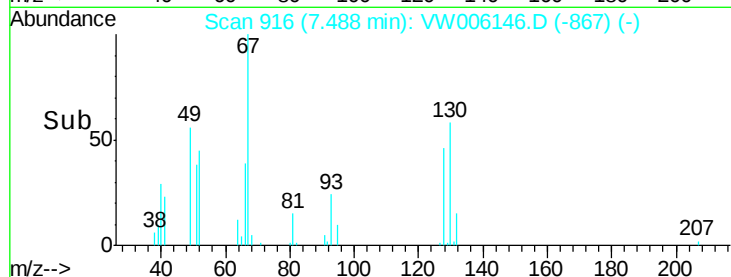
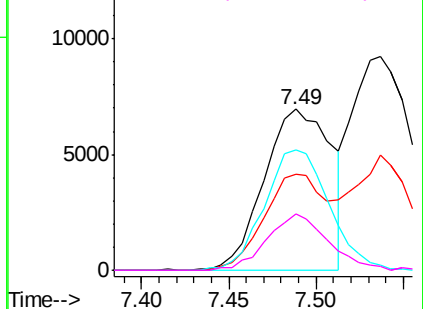


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.82 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006146.D

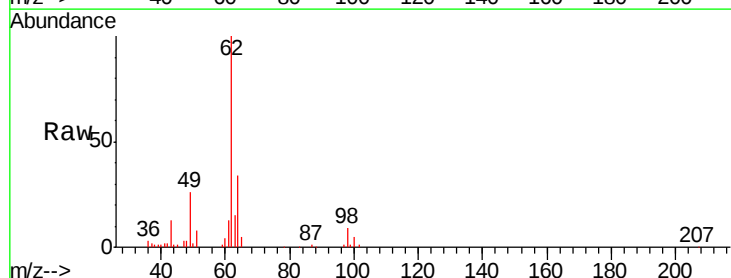
Acq: 18 Oct 2018 01:55

Tgt Ion: 62 Resp: 64051

Ion Ratio Lower Upper

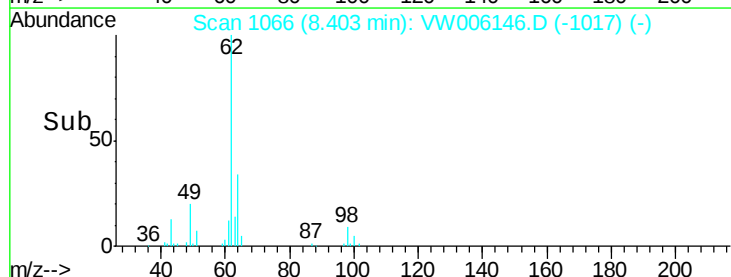
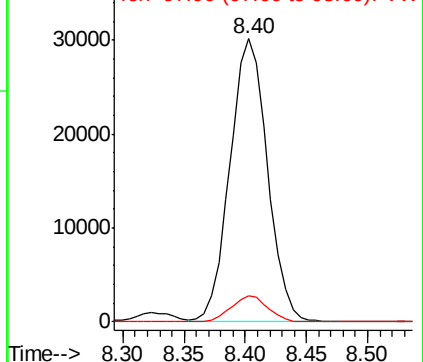
62 100

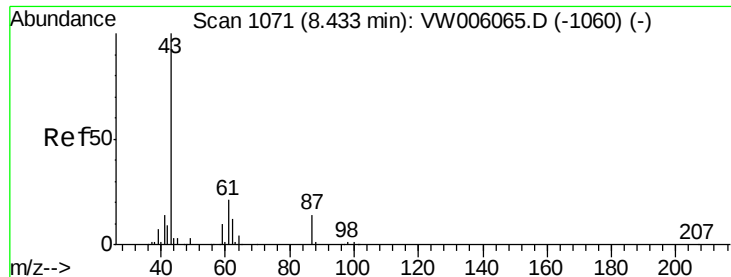
98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.95 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

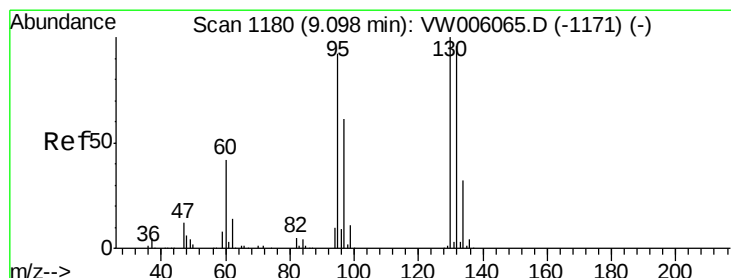
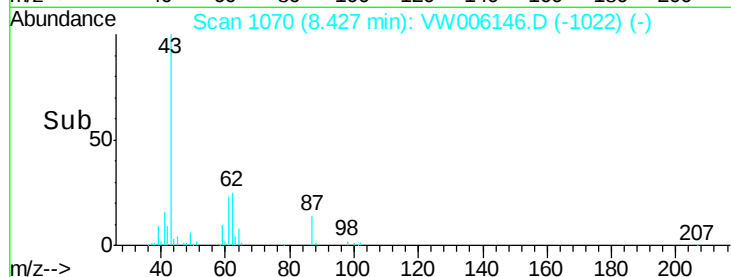
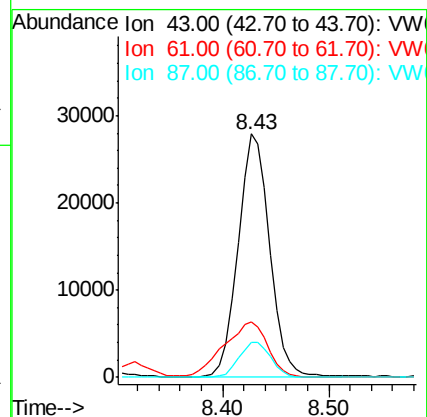
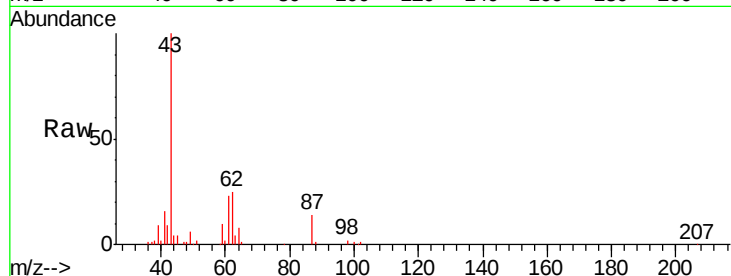
Tgt Ion: 43 Resp: 57956

Ion Ratio Lower Upper

43 100

61 31.5 25.5 38.3

87 14.6 11.7 17.5



#44

Trichloroethene

Concen: 21.27 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006146.D

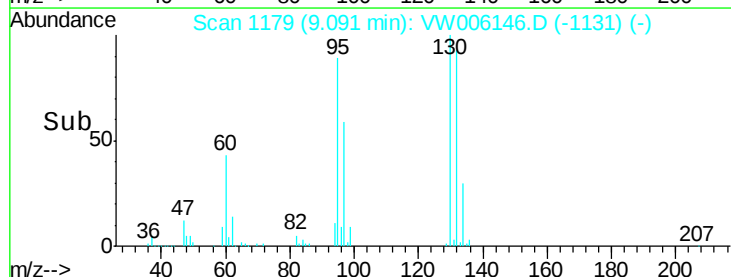
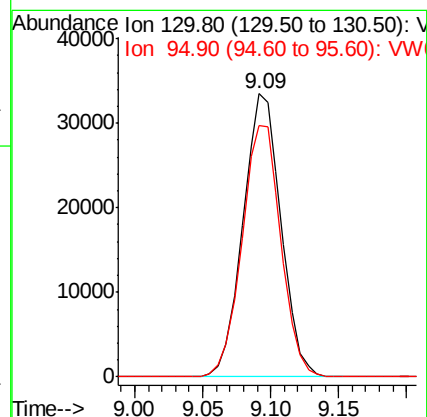
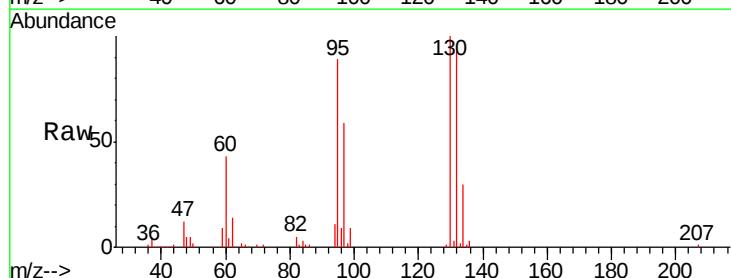
Acq: 18 Oct 2018 01:55

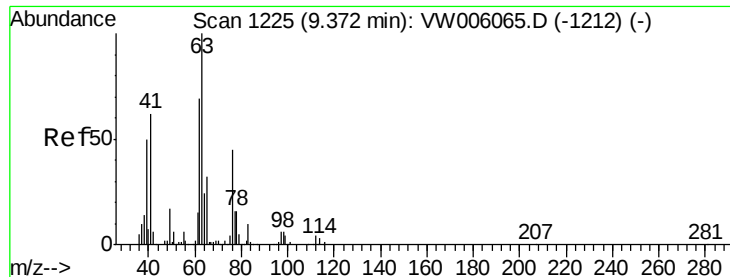
Tgt Ion: 130 Resp: 65180

Ion Ratio Lower Upper

130 100

95 88.7 0.0 183.2

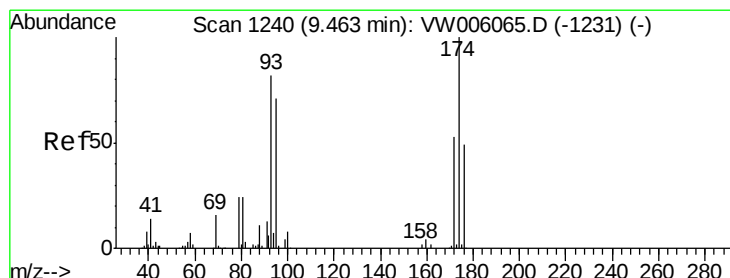
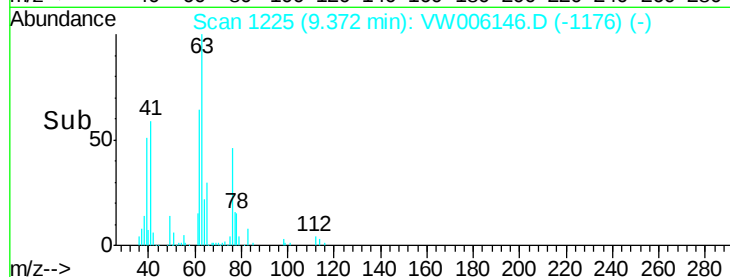
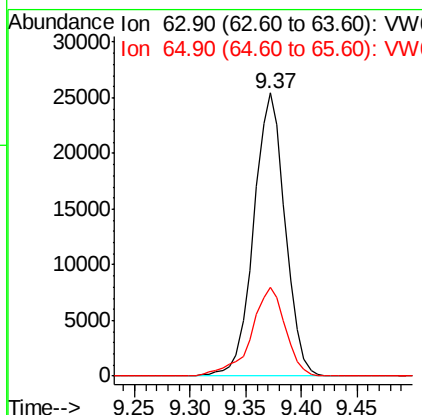
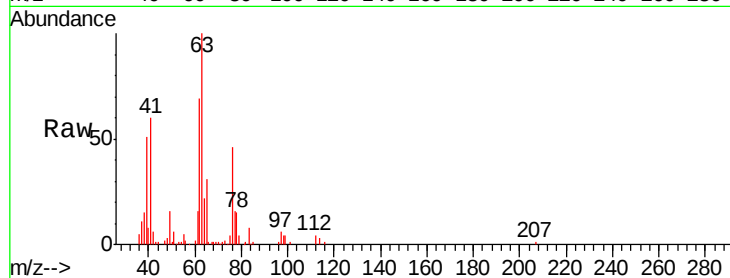




#45
 1,2-Dichloropropane
 Concen: 20.94 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

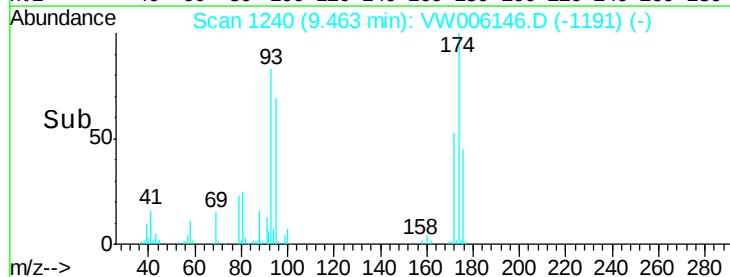
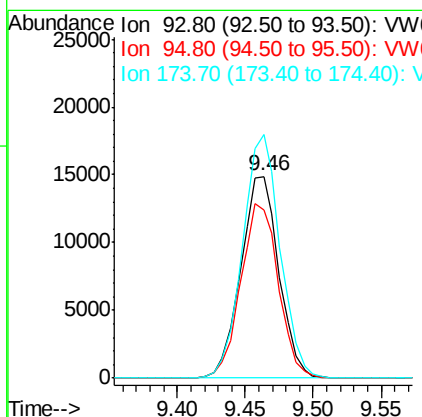
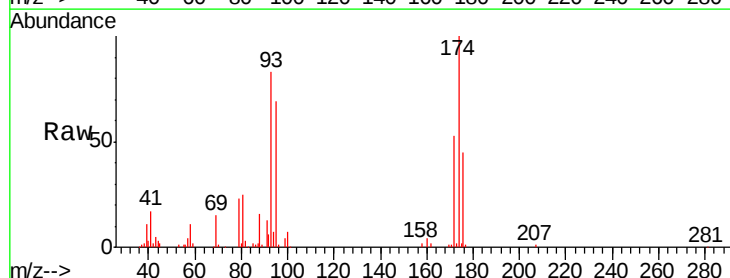
Instrument :
 MSVOA_W
 ClientSampled :
 VW1017SBS02

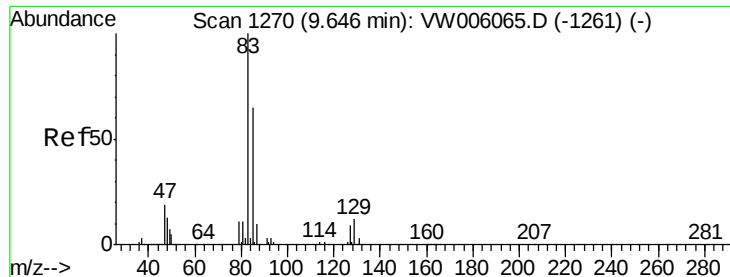
Tgt Ion: 63 Resp: 50042
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 21.39 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion: 93 Resp: 29138
 Ion Ratio Lower Upper
 93 100
 95 85.2 67.7 101.5
 174 118.9 93.7 140.5





#47

Bromodichloromethane

Concen: 20.56 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

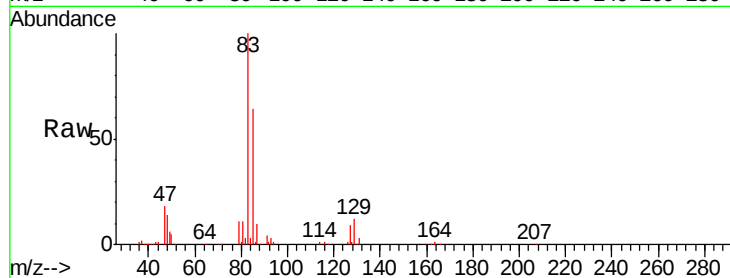
Tgt Ion: 83 Resp: 67904

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.8

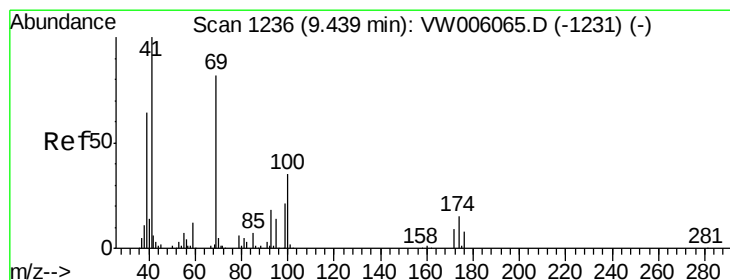
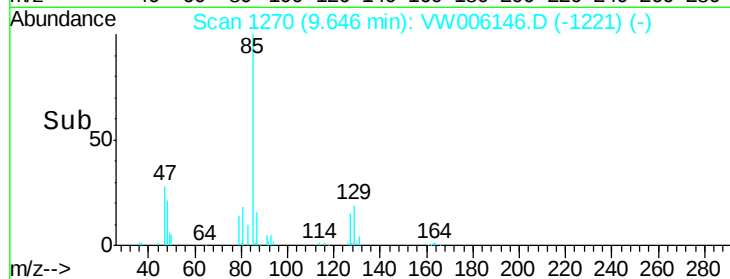
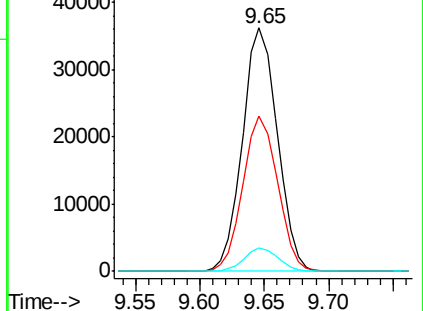
127 9.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.66 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

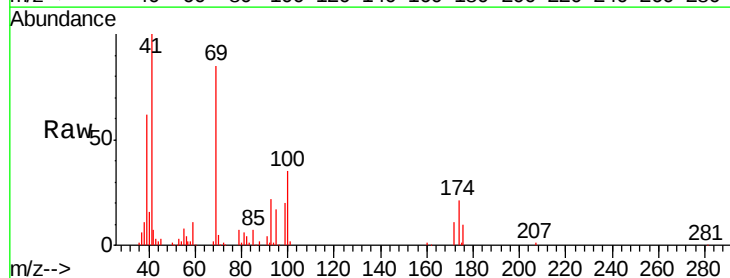
Tgt Ion: 41 Resp: 28408

Ion Ratio Lower Upper

41 100

69 92.0 71.8 107.8

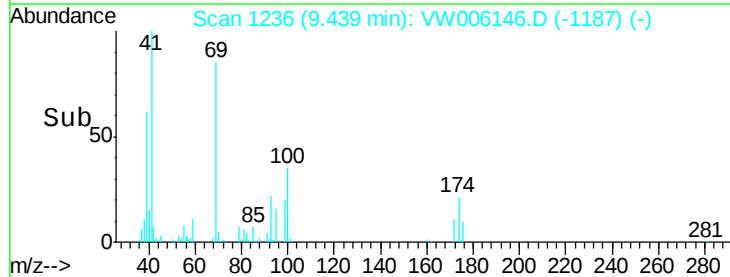
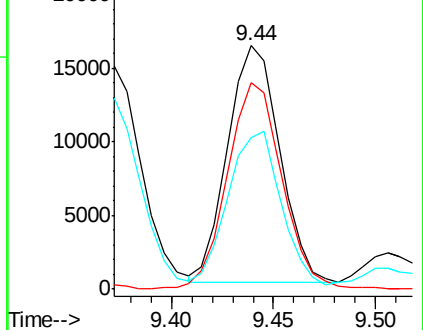
39 65.8 52.5 78.7

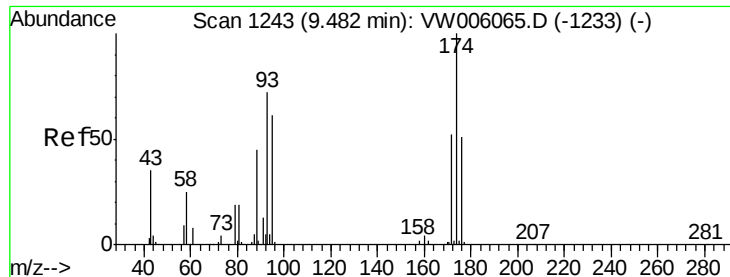


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 458.54 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

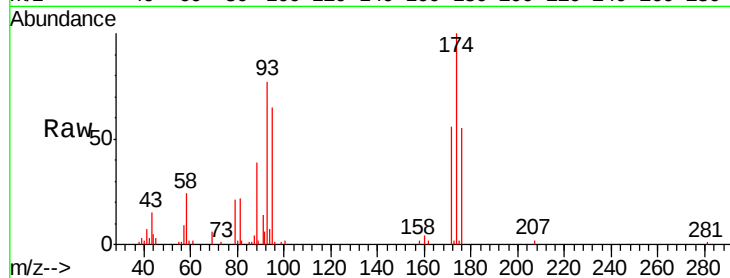
Tgt Ion: 88 Resp: 9617

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

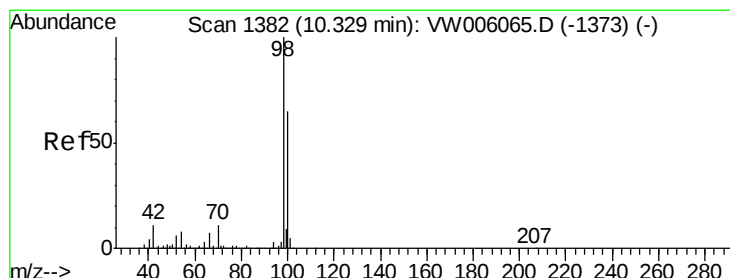
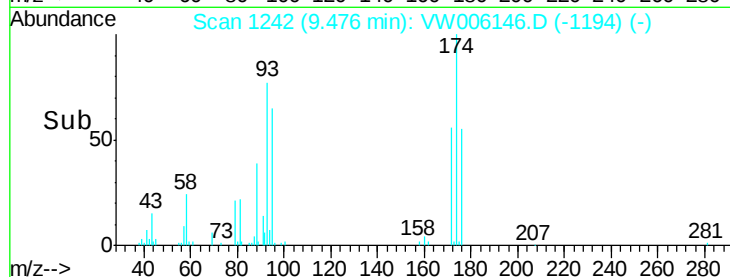
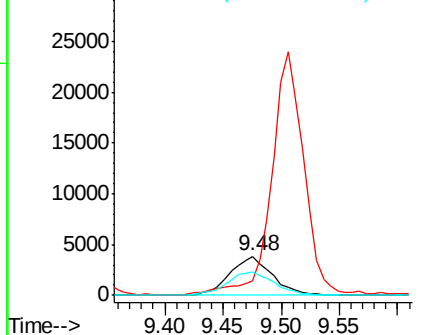
58 67.5 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.50 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006146.D

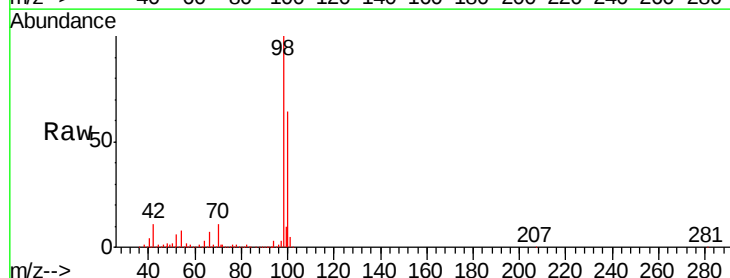
Acq: 18 Oct 2018 01:55

Tgt Ion: 98 Resp: 439605

Ion Ratio Lower Upper

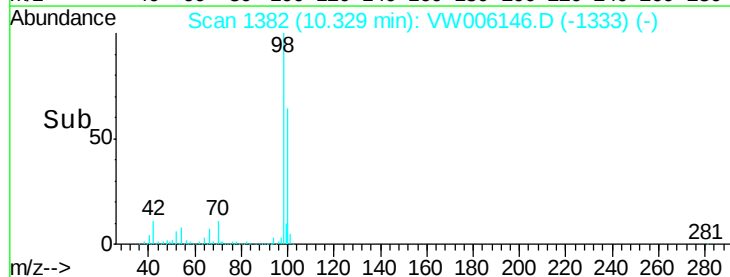
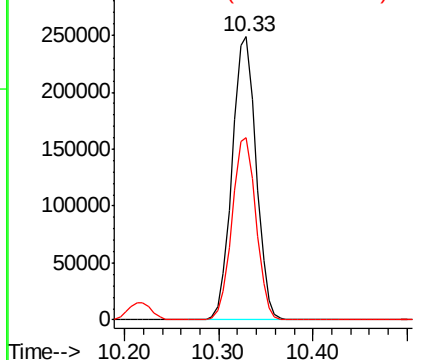
98 100

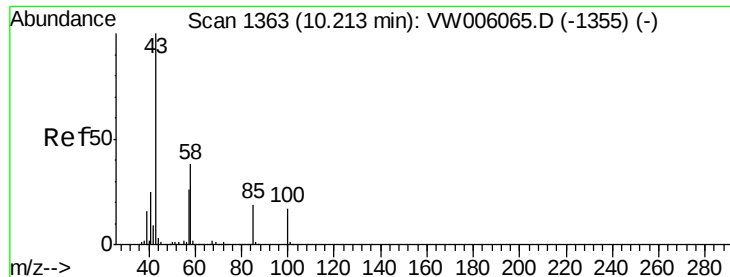
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

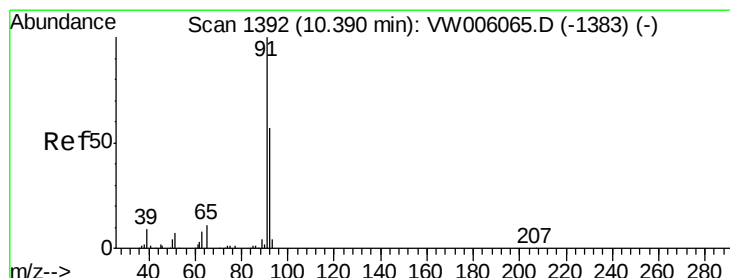
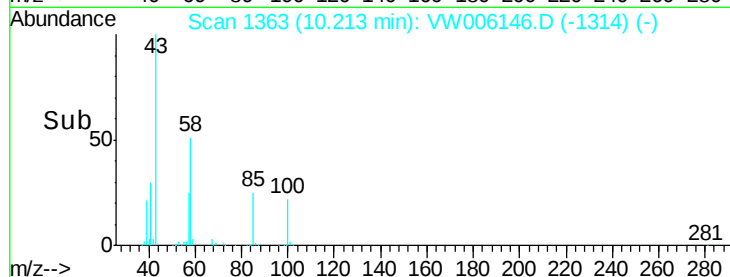
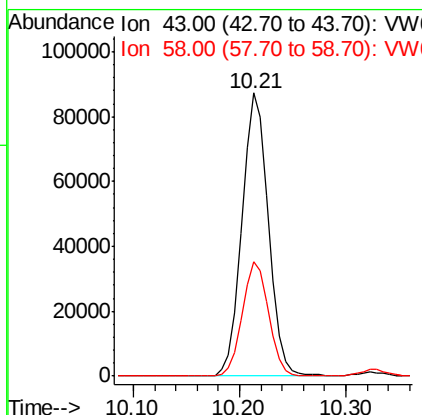
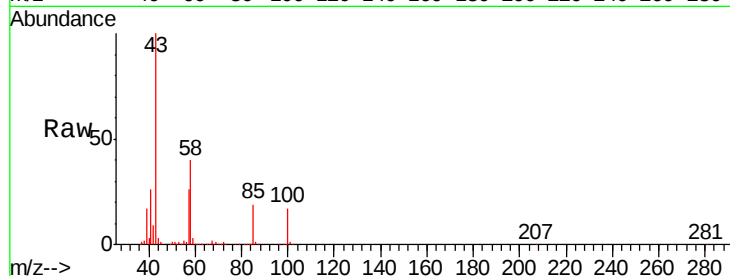




#51
 4-Methyl-2-Pentanone
 Concen: 110.04 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

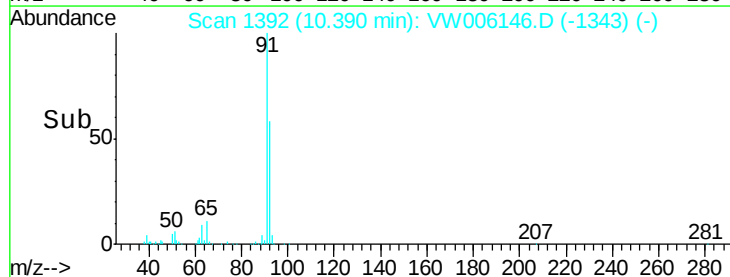
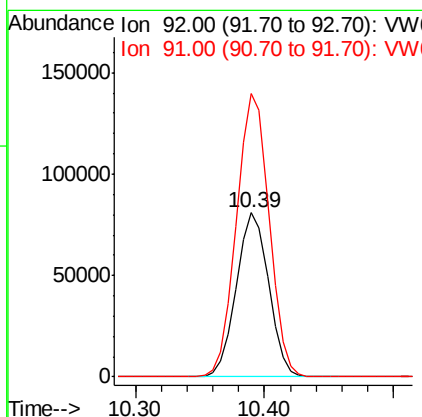
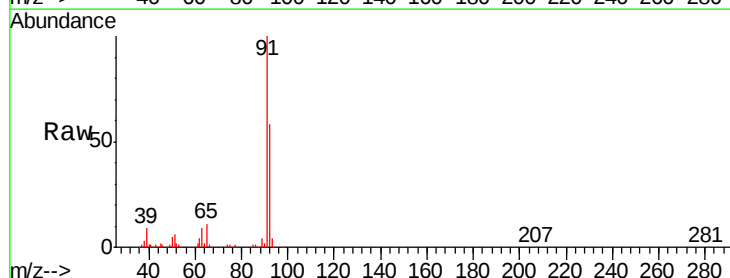
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

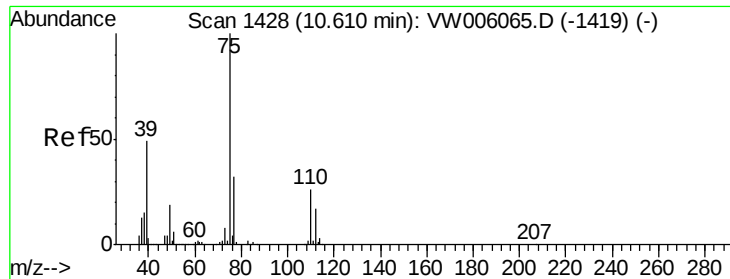
Tgt Ion: 43 Resp: 152521
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.5 47.3



#52
 Toluene
 Concen: 21.01 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion: 92 Resp: 140683
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 19.40 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

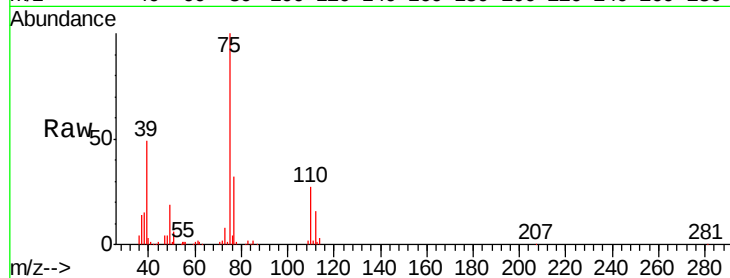
VW1017SBS02

Tgt Ion: 75 Resp: 63832

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

40000

30000

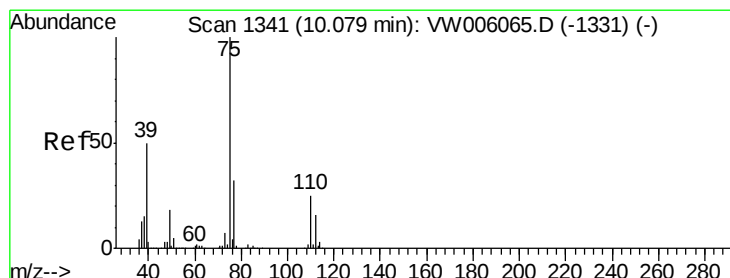
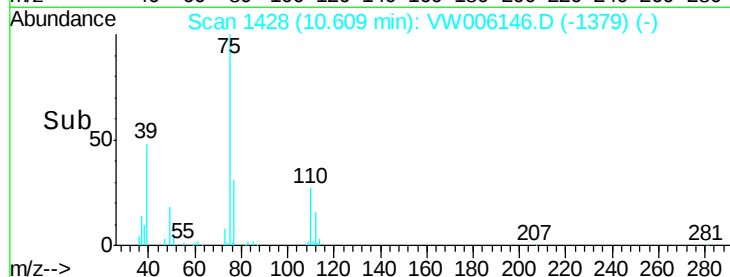
20000

10000

0

Time-->

10.55 10.60 10.65



#54

cis-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

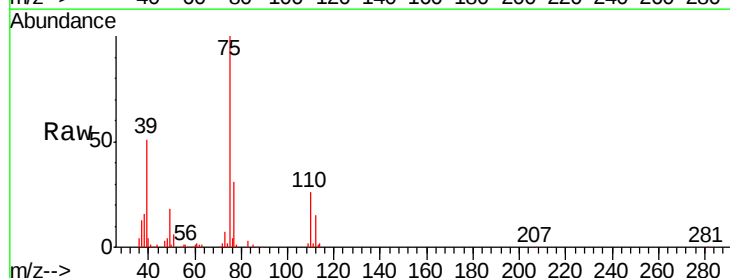
Tgt Ion: 75 Resp: 74116

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 51.1 39.9 59.9



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

10.07

50000

40000

30000

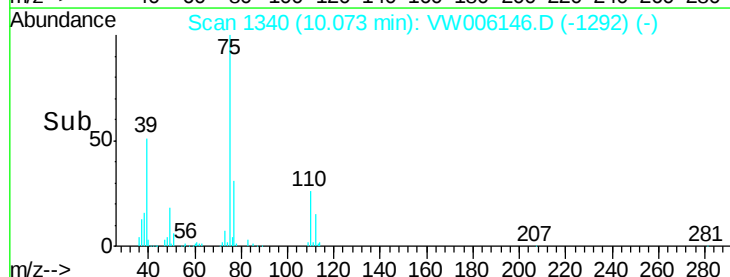
20000

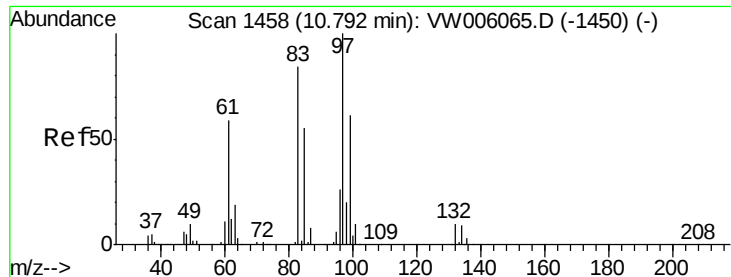
10000

0

Time-->

10.00 10.10

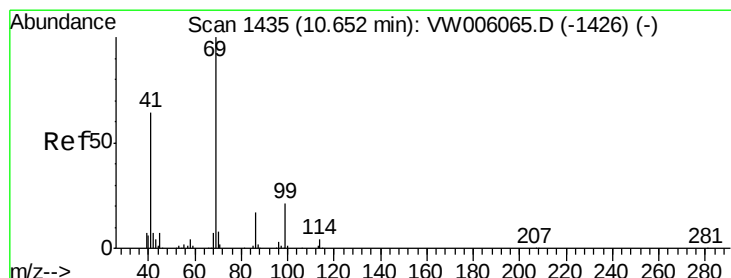
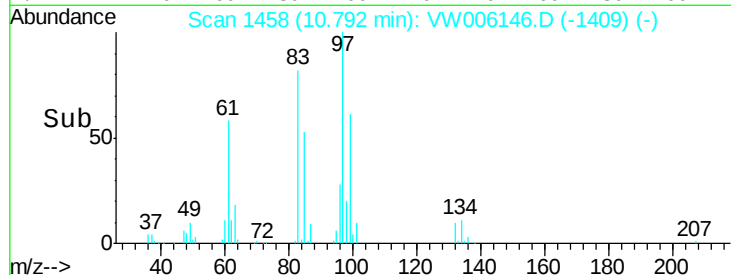
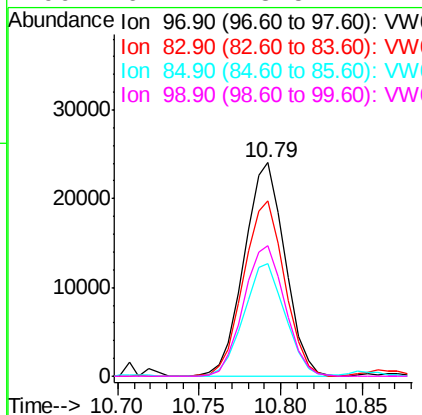
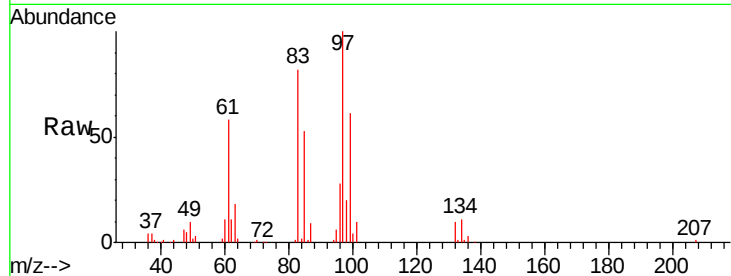




#55
 1,1,2-Trichloroethane
 Concen: 21.95 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

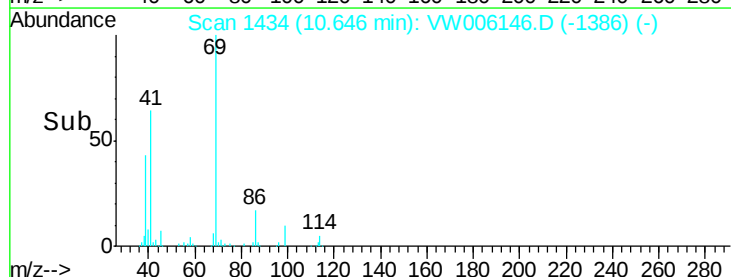
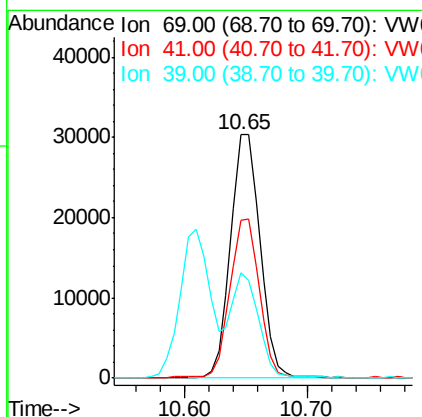
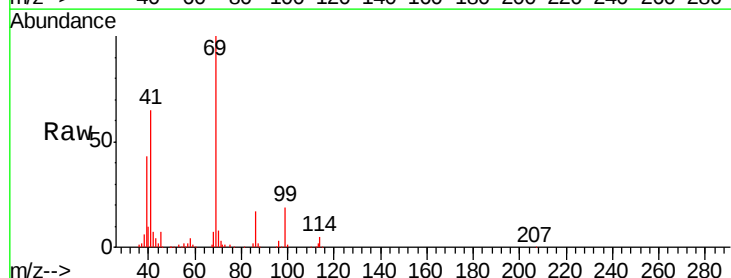
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

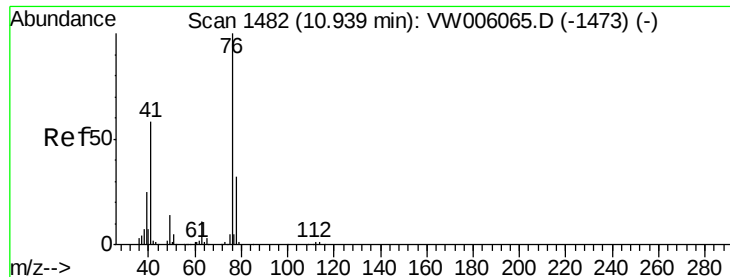
Tgt Ion:	97	Resp:	41856
Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.2	100.8
85	52.8	43.7	65.5
99	61.4	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.74 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion:	69	Resp:	50815
Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.8	79.2
39	41.2	30.6	45.8

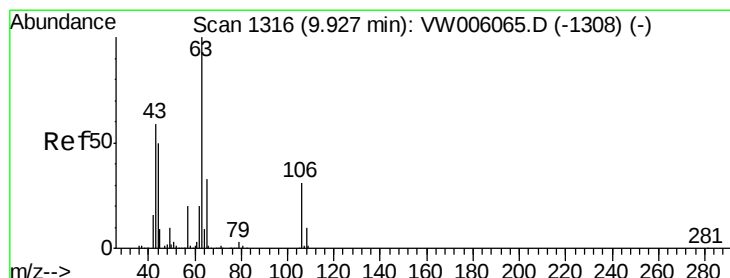
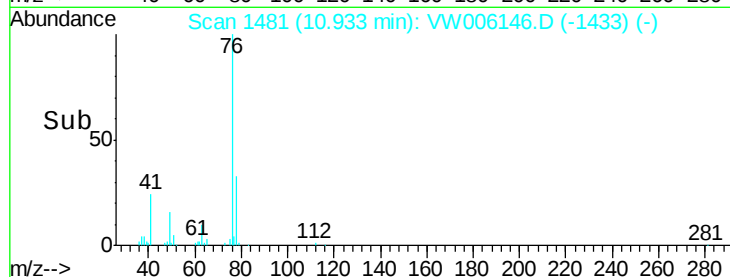
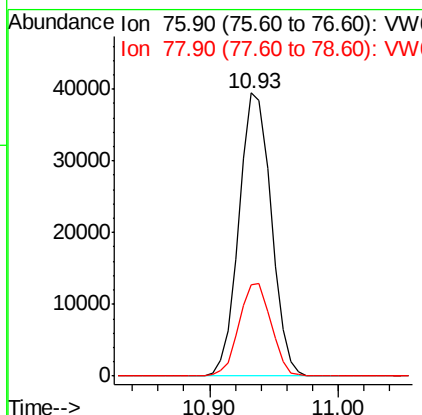
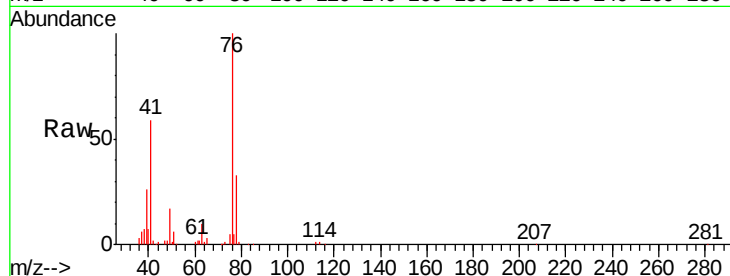




#57
 1,3-Dichloropropane
 Concen: 21.71 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

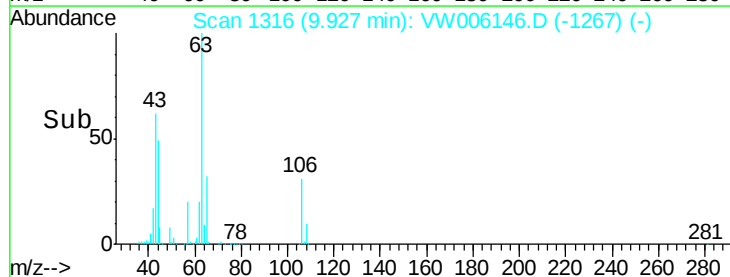
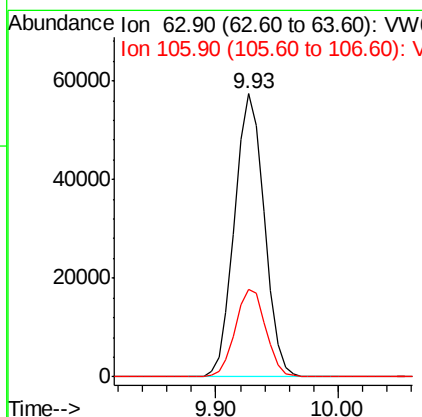
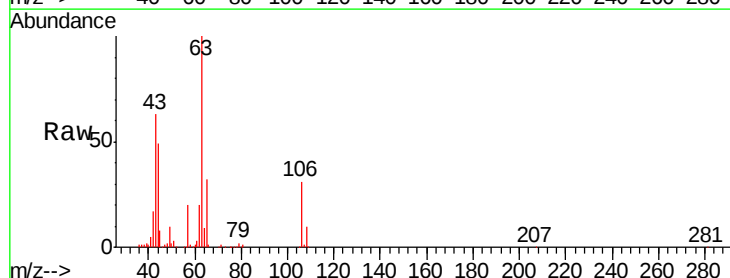
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

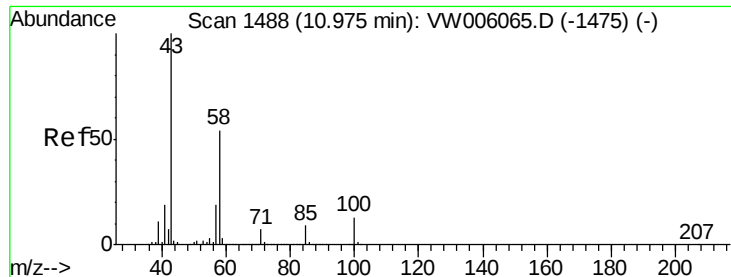
Tgt Ion: 76 Resp: 68502
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.14 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion: 63 Resp: 96578
 Ion Ratio Lower Upper
 63 100
 106 31.7 24.5 36.7

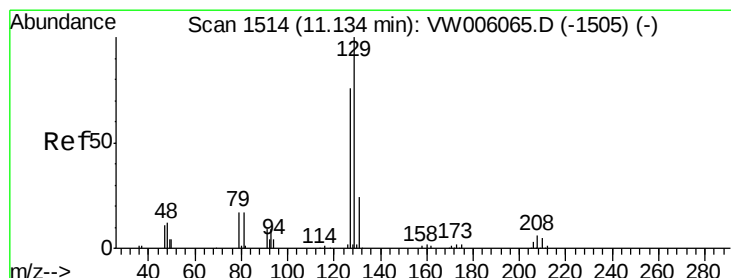
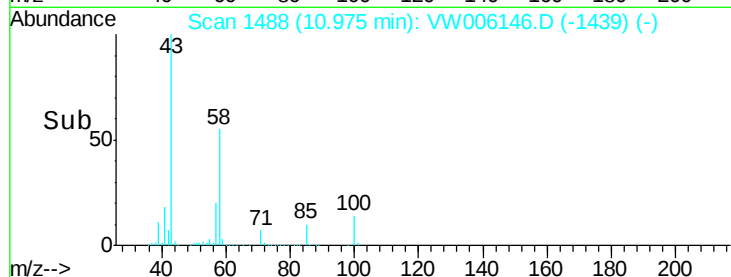
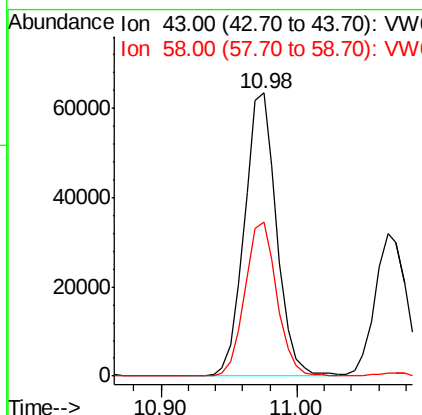
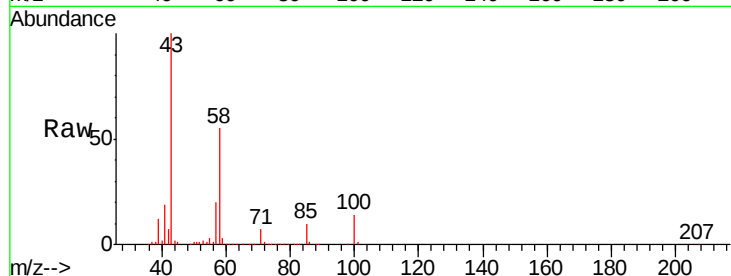




#59
2-Hexanone
Concen: 106.31 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

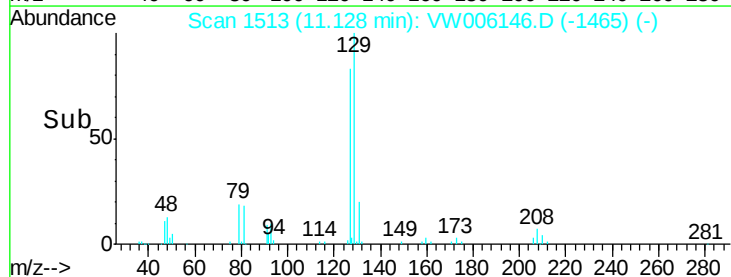
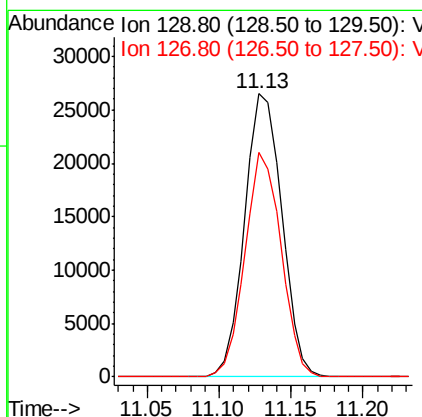
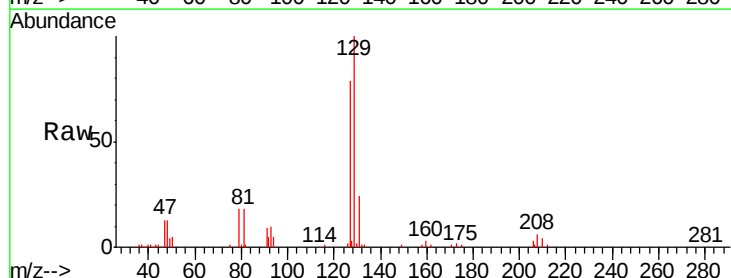
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

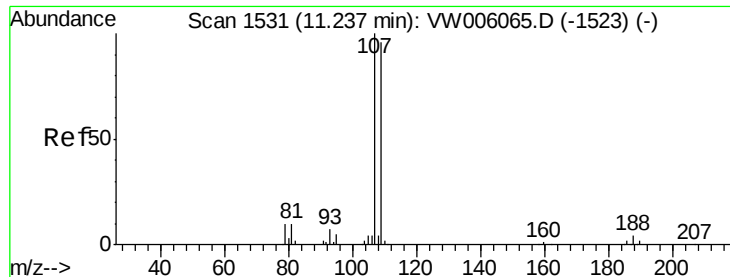
Tgt Ion: 43 Resp: 105184
Ion Ratio Lower Upper
43 100
58 54.0 26.9 80.6



#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion: 129 Resp: 47581
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 22.24 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

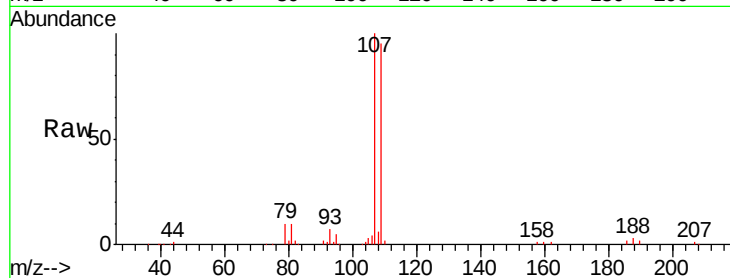
VW1017SBS02

Tgt Ion: 107 Resp: 42368

Ion Ratio Lower Upper

107 100

109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

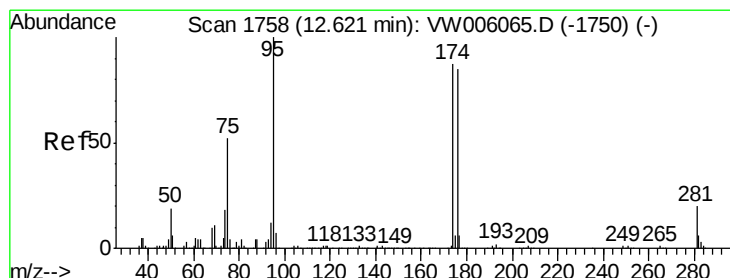
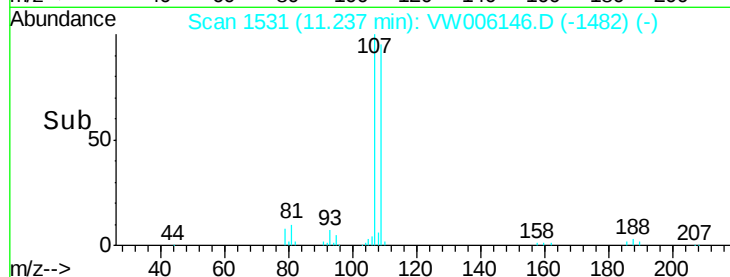
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.37 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

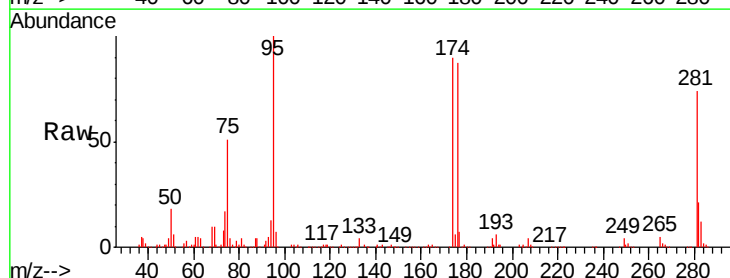
Tgt Ion: 95 Resp: 168027

Ion Ratio Lower Upper

95 100

174 94.9 0.0 186.0

176 91.4 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

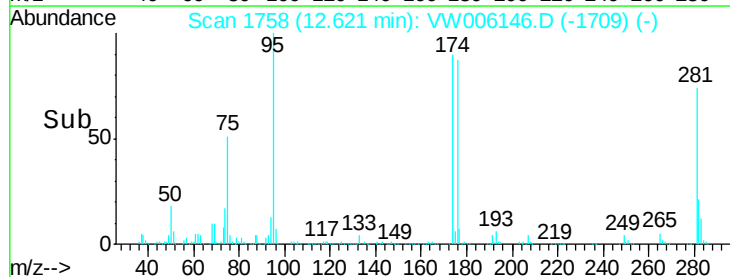
12.62

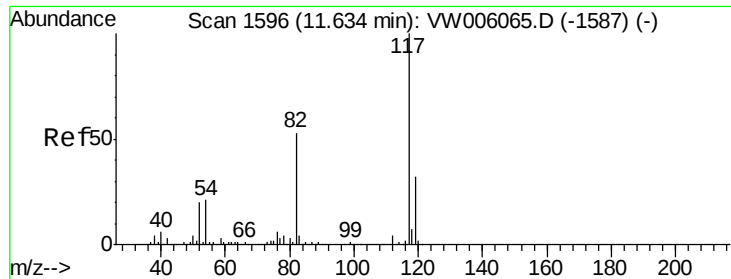
100000

50000

0

Time-->

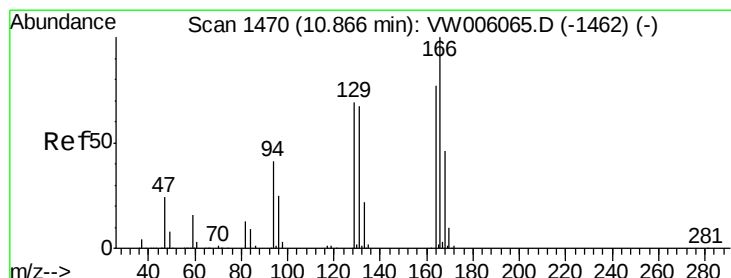
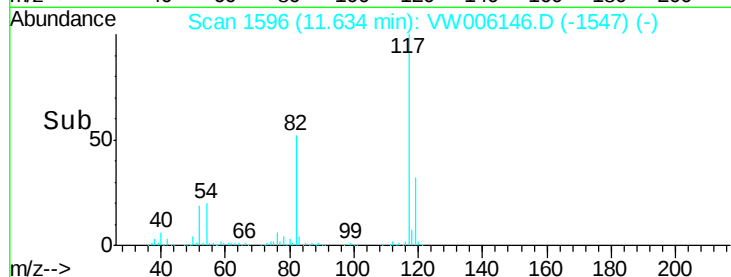
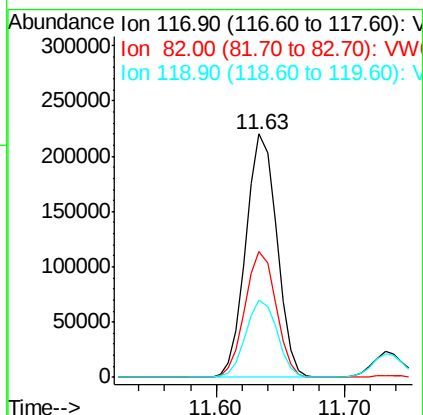
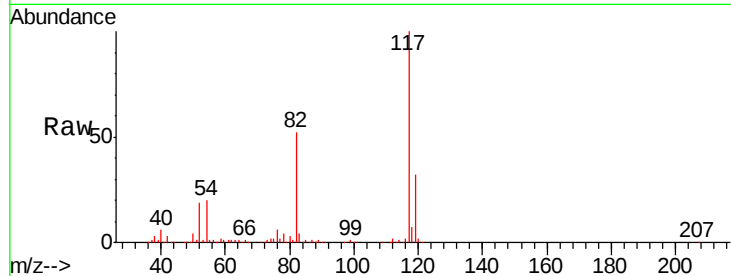




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

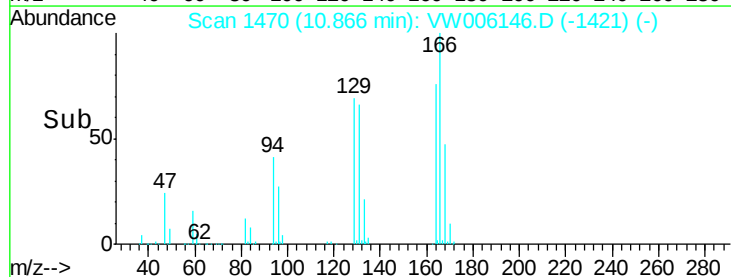
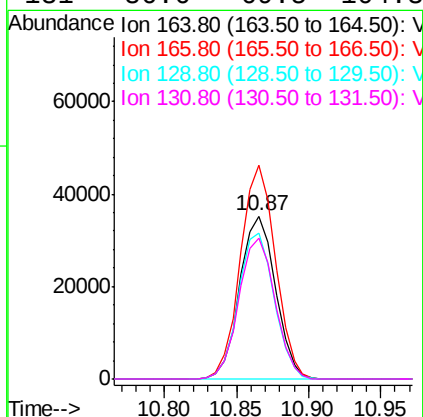
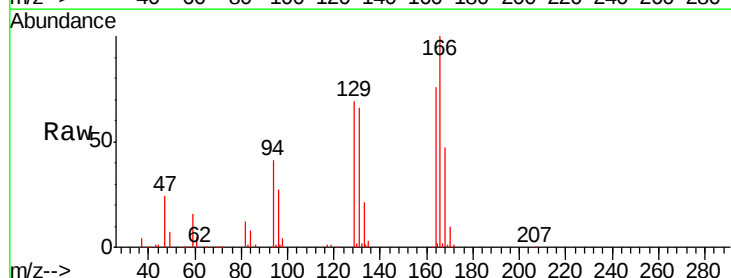
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

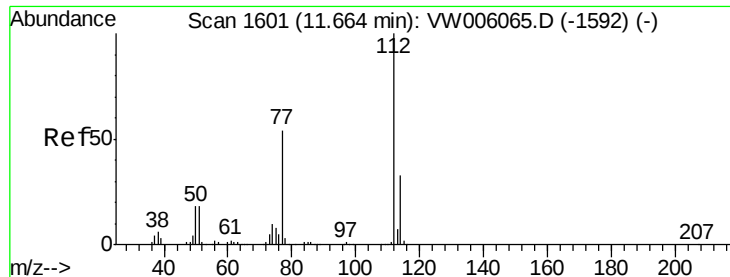
Tgt Ion:117 Resp: 366112
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 21.37 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion:164 Resp: 60743
Ion Ratio Lower Upper
164 100
166 131.2 103.4 155.0
129 89.9 71.8 107.8
131 86.6 69.5 104.3





#65

Chlorobenzene

Concen: 21.05 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

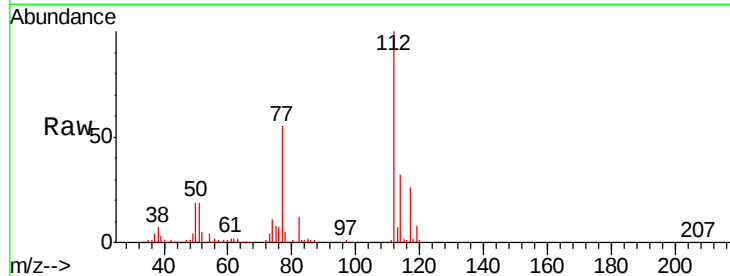
VW1017SBS02

Tgt Ion:112 Resp: 164958

Ion Ratio Lower Upper

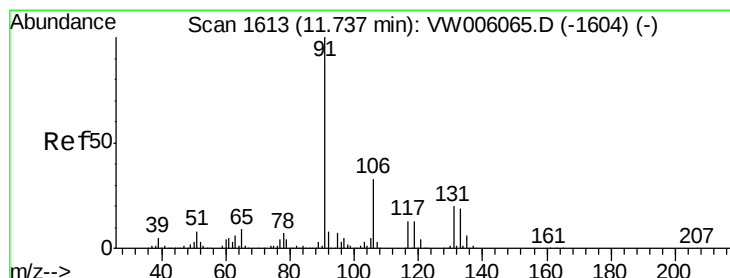
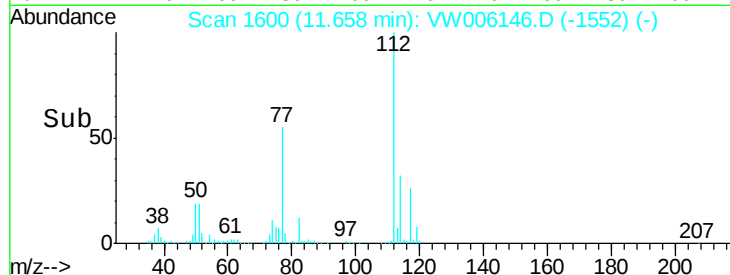
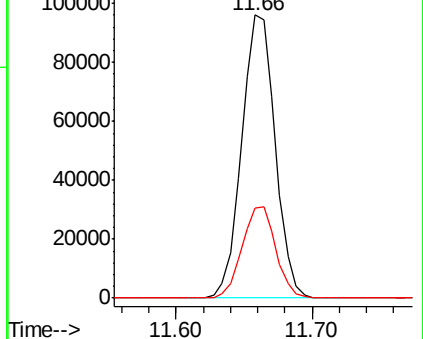
112 100

114 31.7 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.41 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

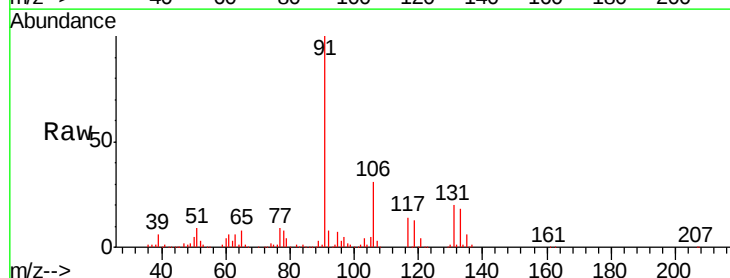
Tgt Ion:131 Resp: 56846

Ion Ratio Lower Upper

131 100

133 94.8 48.1 144.3

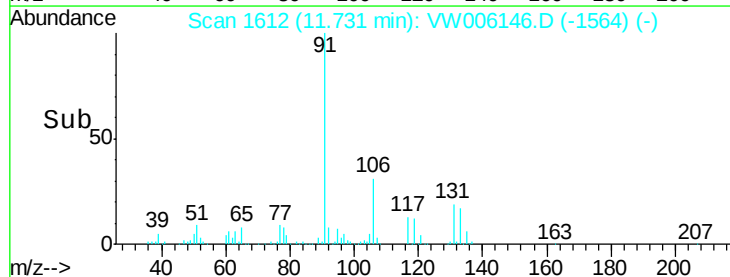
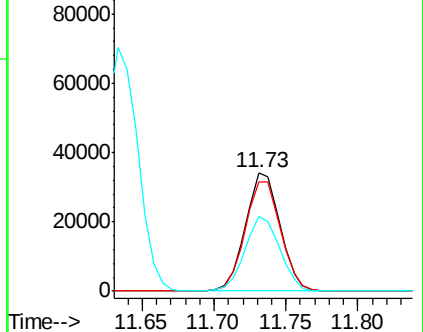
119 63.4 31.6 94.7

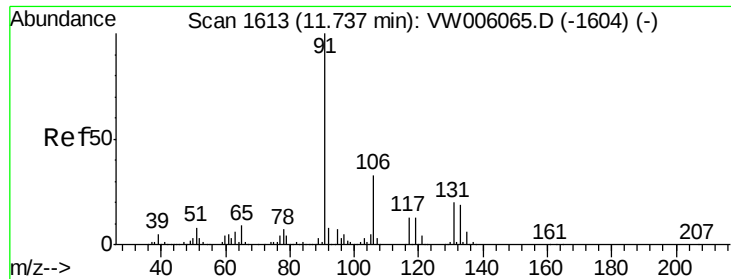


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

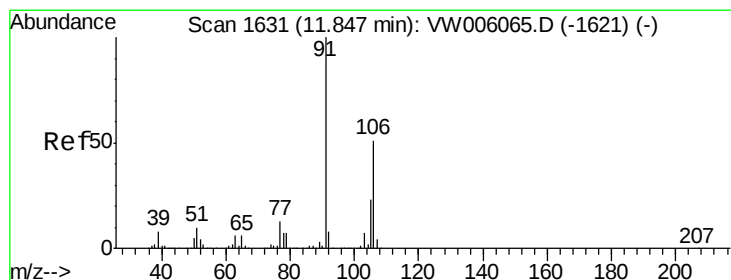
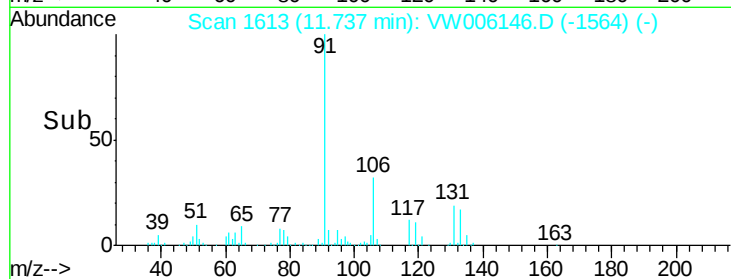
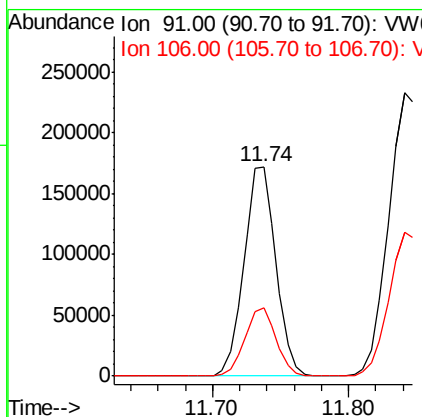
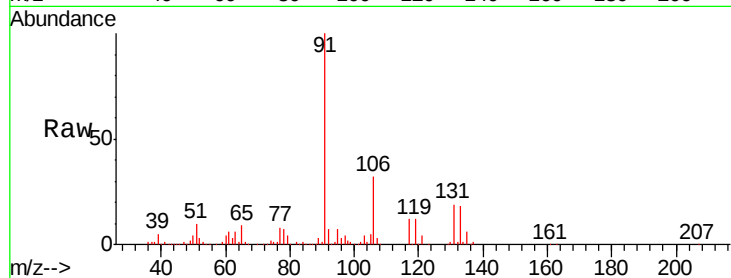




#67
Ethyl Benzene
Concen: 20.75 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

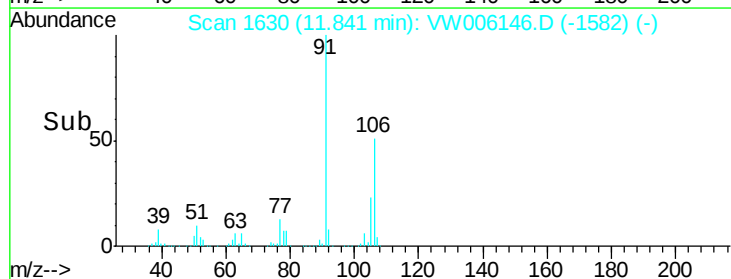
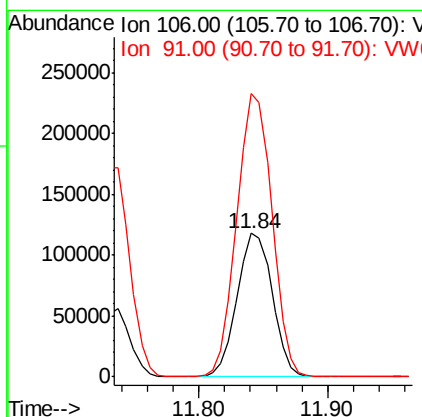
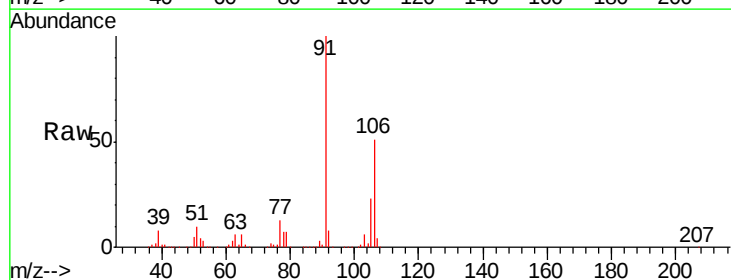
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

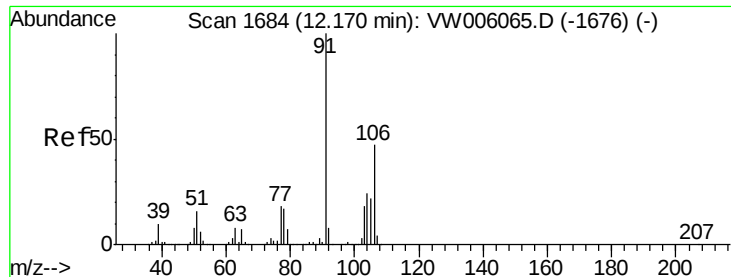
Tgt Ion: 91 Resp: 281775
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 41.69 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion: 106 Resp: 223806
Ion Ratio Lower Upper
106 100
91 197.7 159.1 238.7

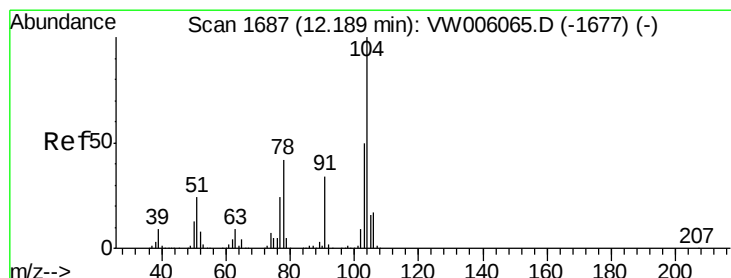
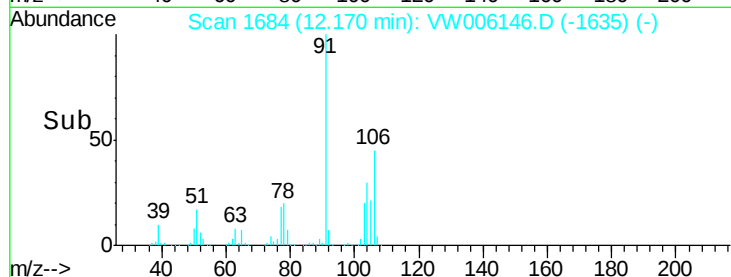
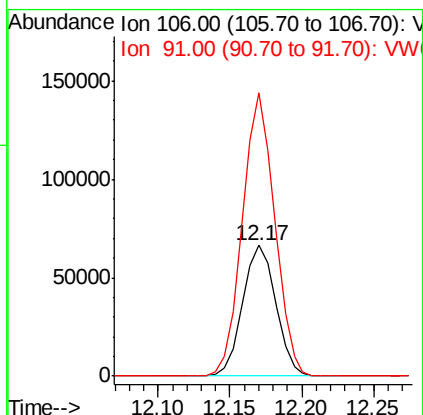
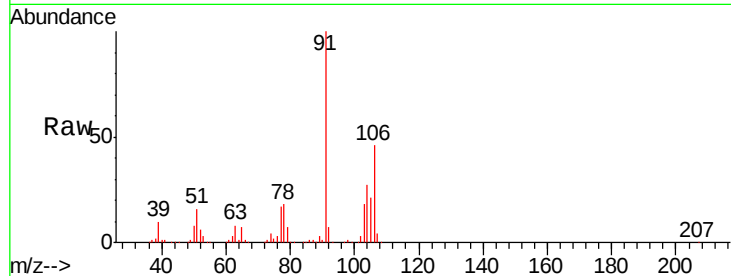




#69
o-Xylene
Concen: 20.73 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

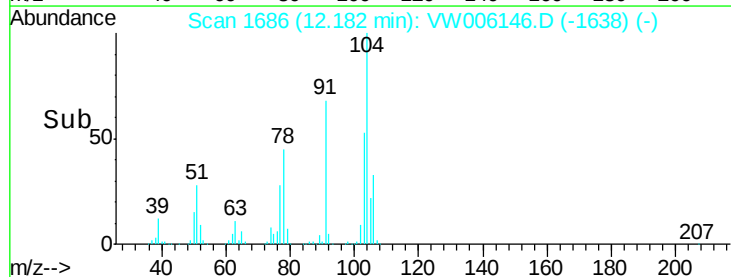
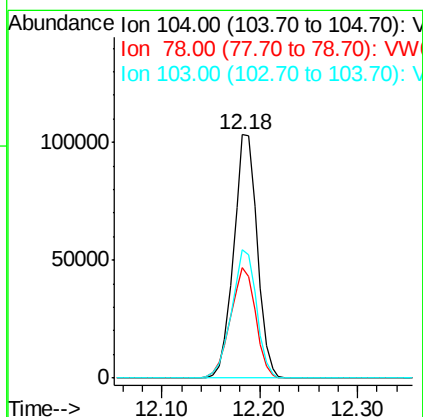
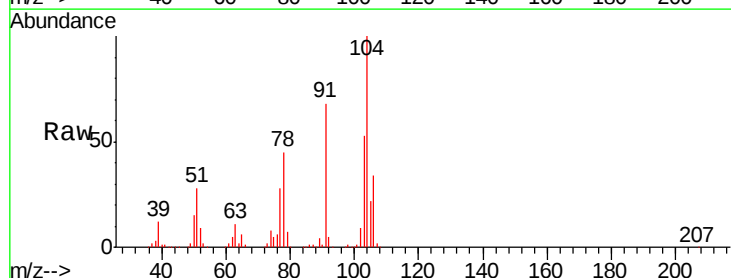
Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

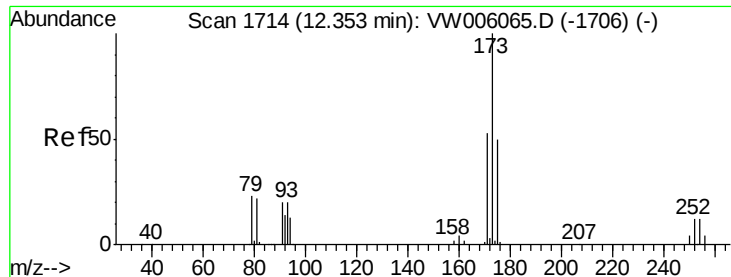
Tgt Ion:106 Resp: 106086
Ion Ratio Lower Upper
106 100
91 210.8 105.4 316.1



#70
Styrene
Concen: 20.70 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion:104 Resp: 172228
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 55.8 44.3 66.5





#71

Bromoform

Concen: 19.18 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

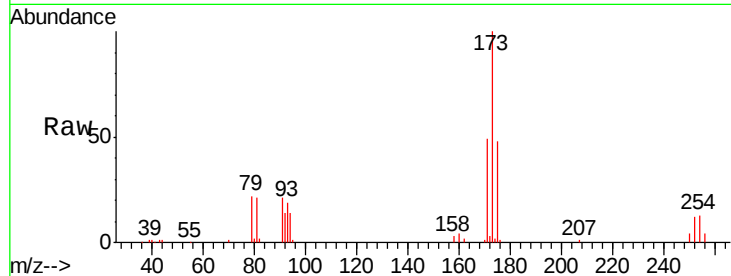
Tgt Ion:173 Resp: 29801

Ion Ratio Lower Upper

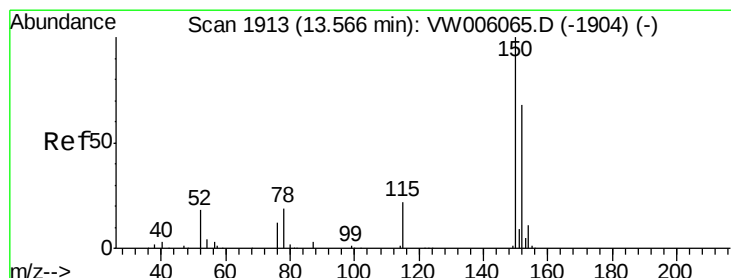
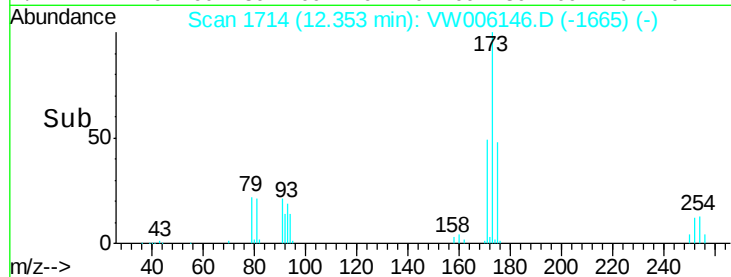
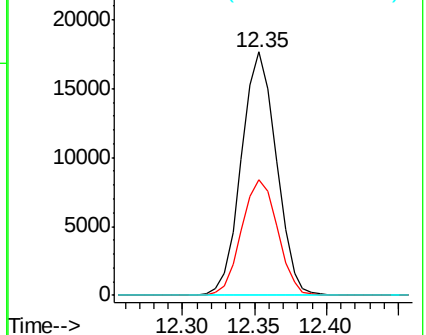
173 100

175 48.5 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

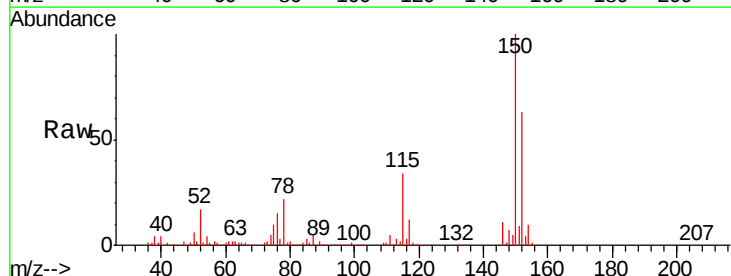
Tgt Ion:152 Resp: 203582

Ion Ratio Lower Upper

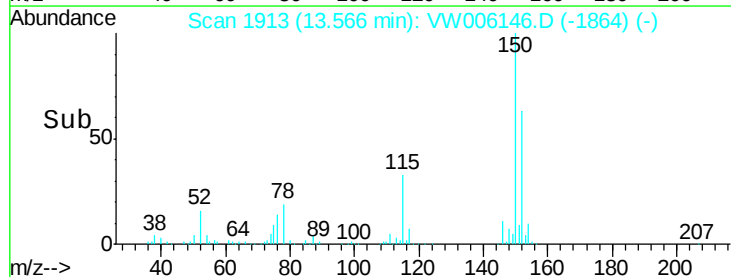
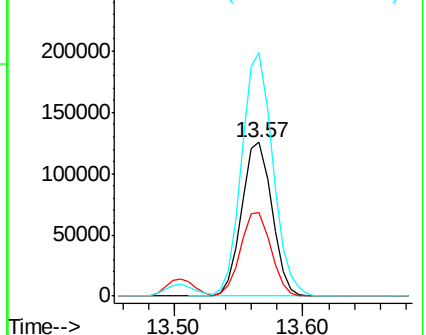
152 100

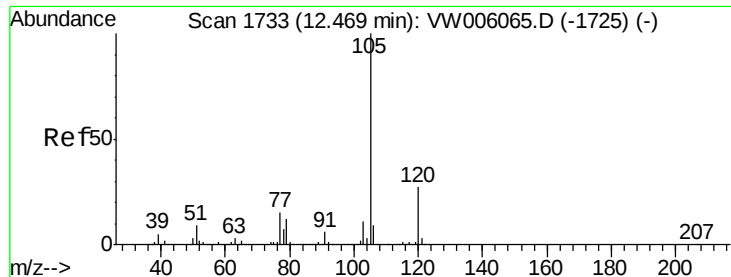
115 54.9 27.8 83.3

150 163.1 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: 20.51 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

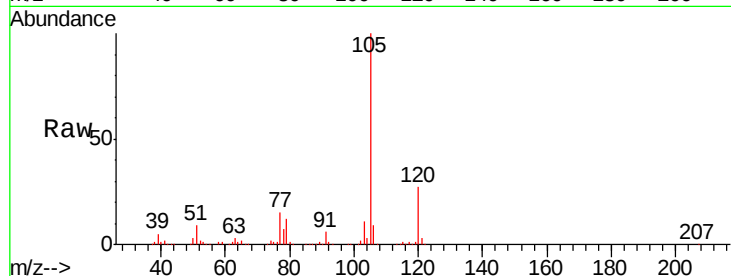
VW1017SBS02

Tgt Ion: 105 Resp: 294960

Ion Ratio Lower Upper

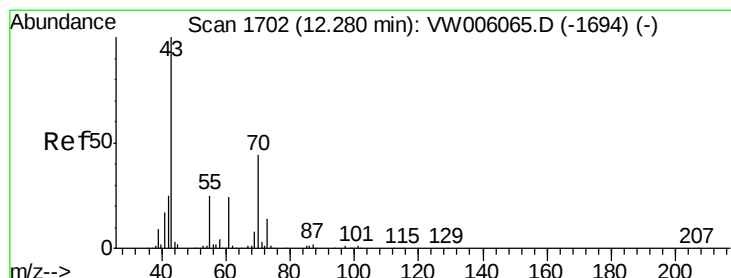
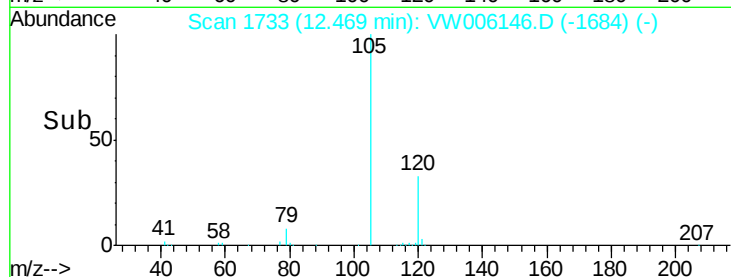
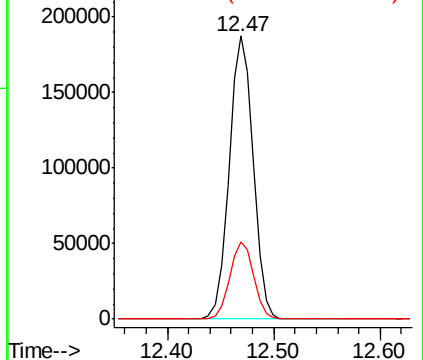
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.04 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Tgt Ion: 43 Resp: 58785

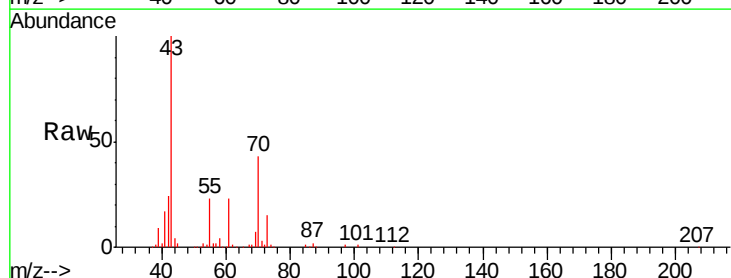
Ion Ratio Lower Upper

43 100

70 43.3 34.2 51.4

55 24.6 19.2 28.8

61 23.9 19.0 28.6

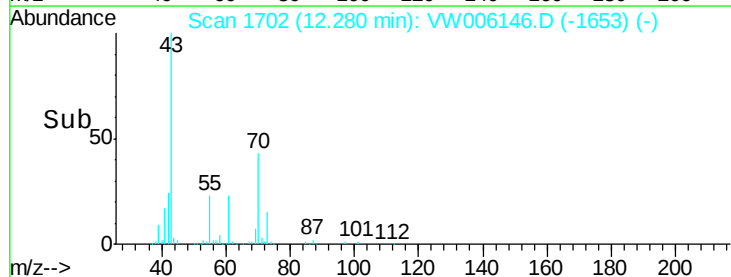
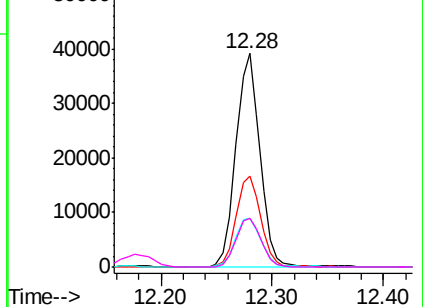


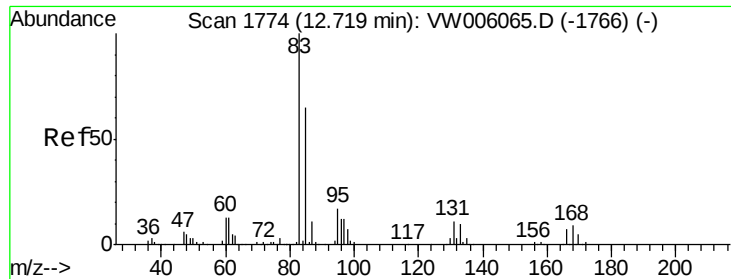
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.03 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

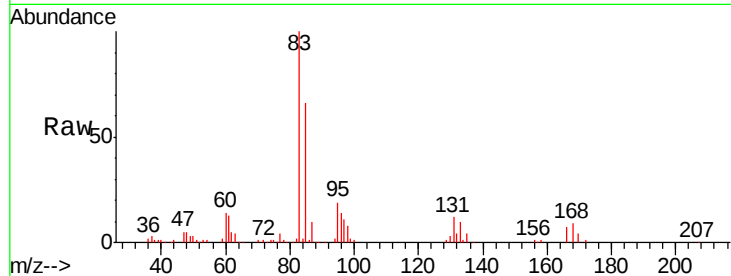
Tgt Ion: 83 Resp: 48193

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

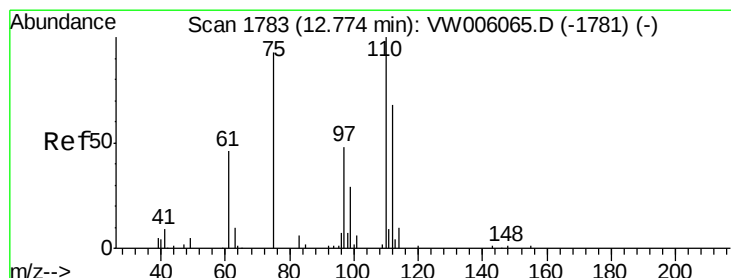
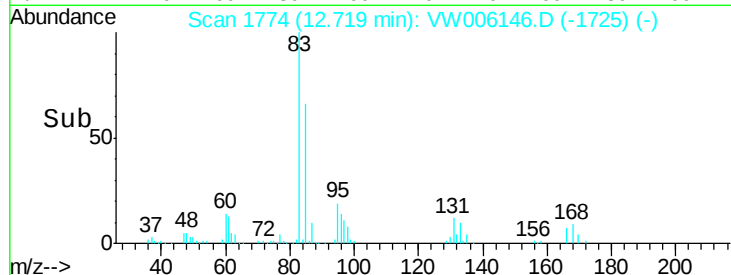
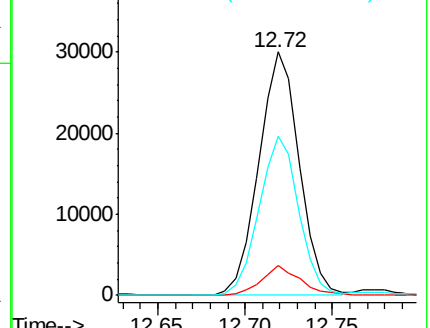
85 64.2 31.9 95.9



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: 38.75 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006146.D

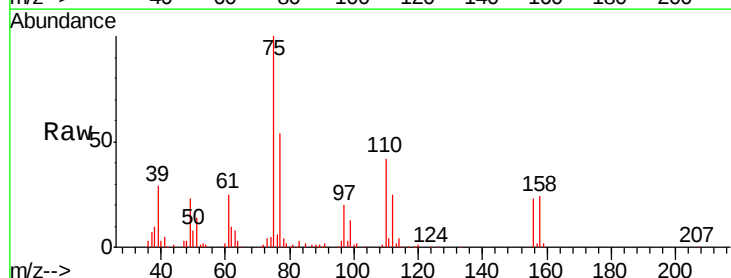
Acq: 18 Oct 2018 01:55

Tgt Ion: 75 Resp: 60249

Ion Ratio Lower Upper

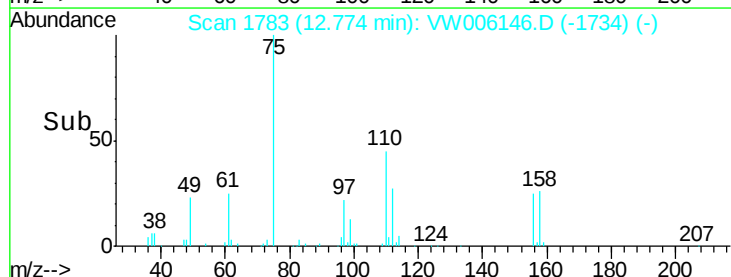
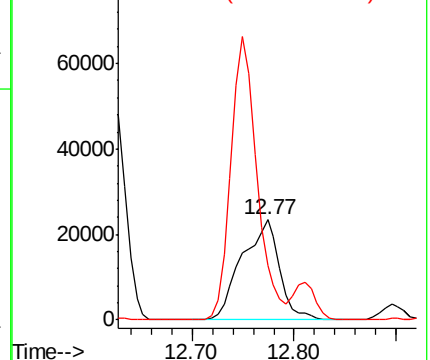
75 100

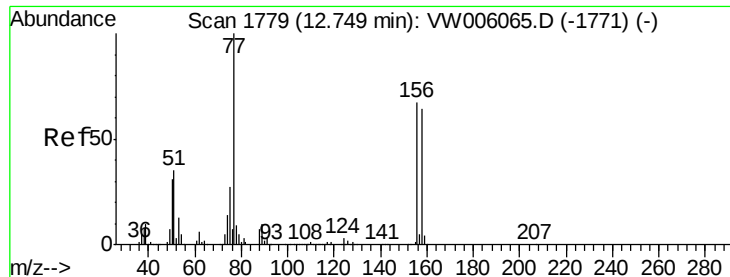
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.33 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

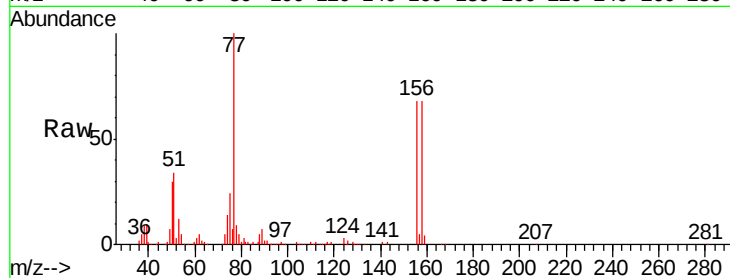
Tgt Ion:156 Resp: 75130

Ion Ratio Lower Upper

156 100

77 157.6 79.1 237.4

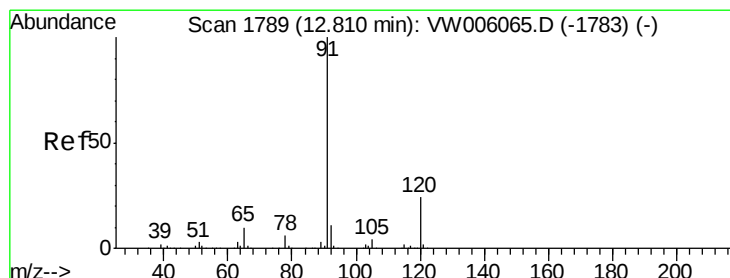
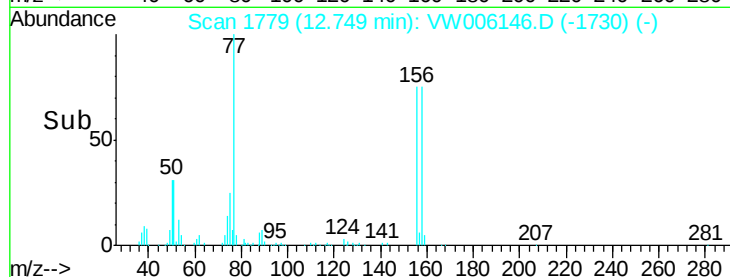
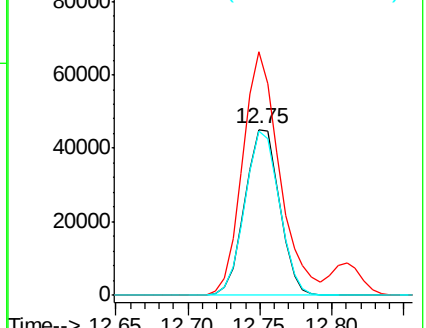
158 98.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.45 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006146.D

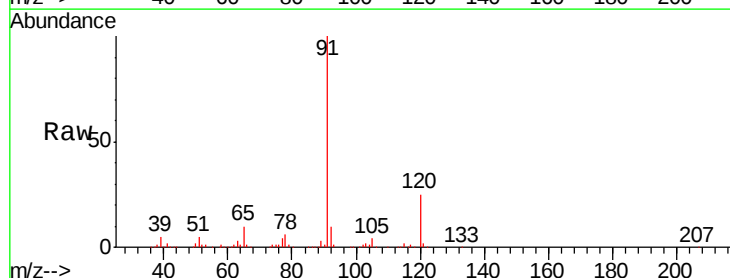
Acq: 18 Oct 2018 01:55

Tgt Ion: 91 Resp: 342244

Ion Ratio Lower Upper

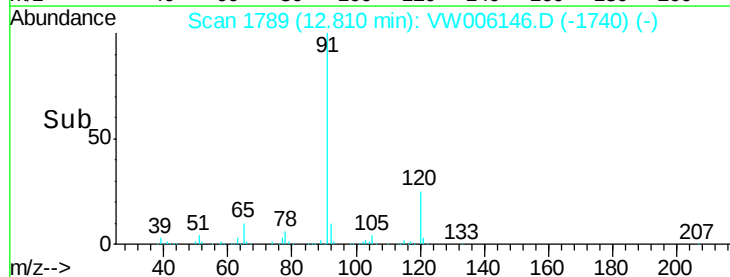
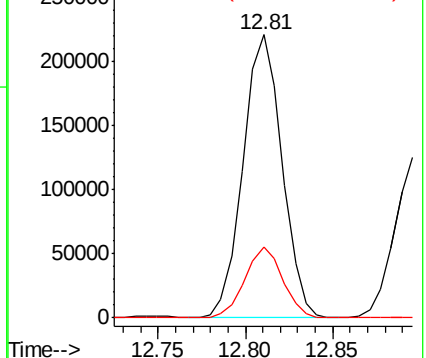
91 100

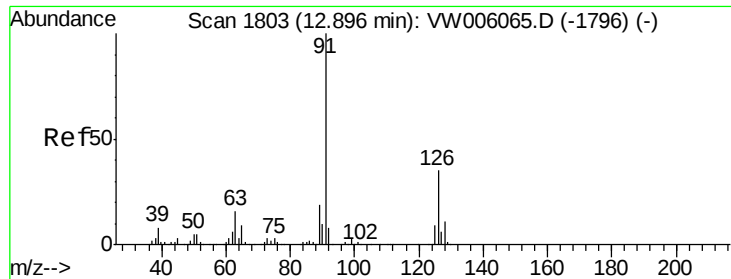
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

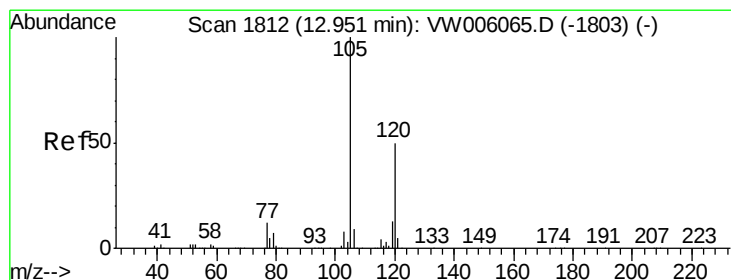
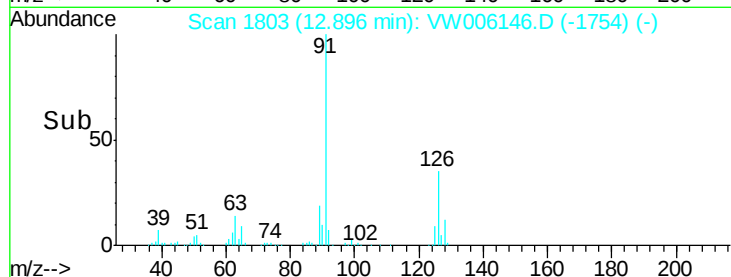
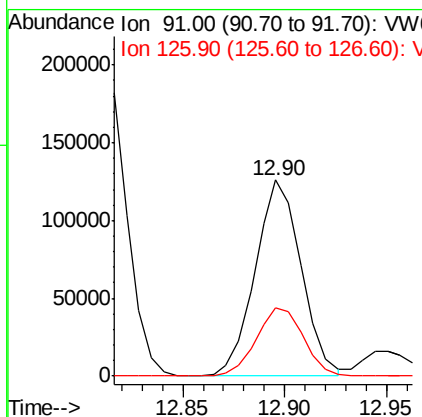
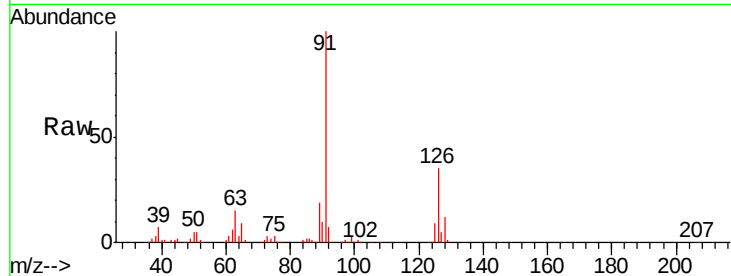




#79
 2-Chlorotoluene
 Concen: 20.98 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

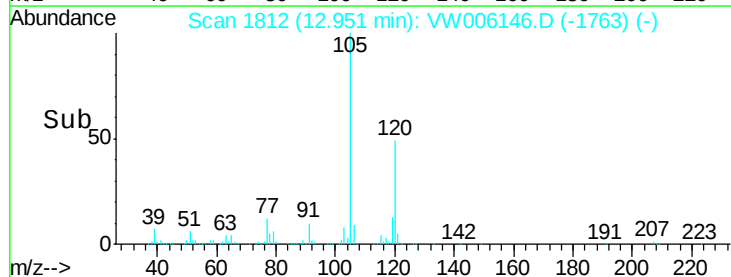
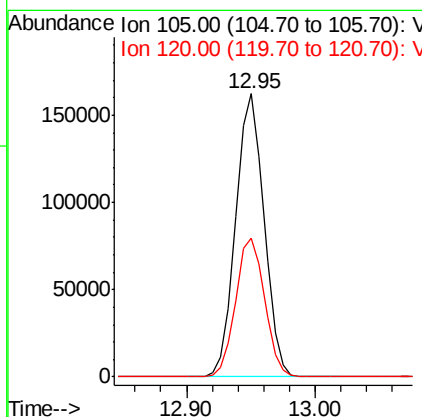
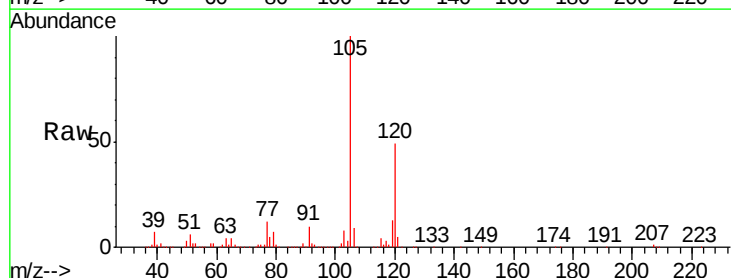
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

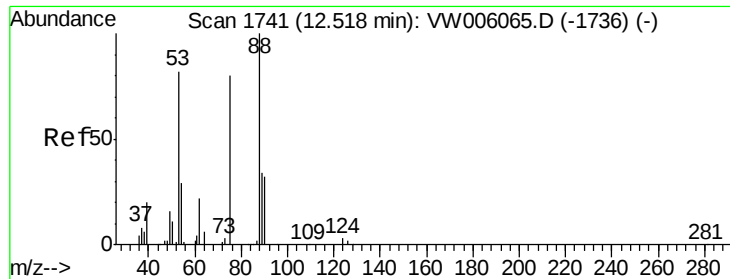
Tgt Ion: 91 Resp: 197206
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.48 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion: 105 Resp: 248315
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.06 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

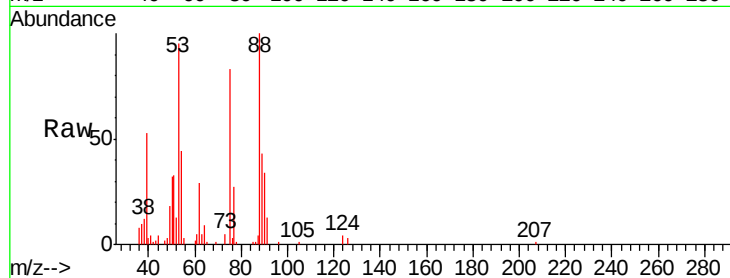
Tgt Ion: 75 Resp: 11096

Ion Ratio Lower Upper

75 100

53 112.2 79.8 119.6

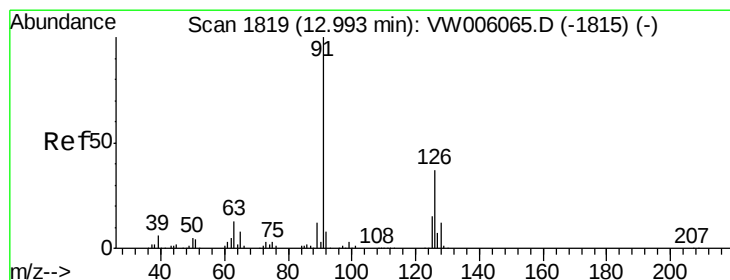
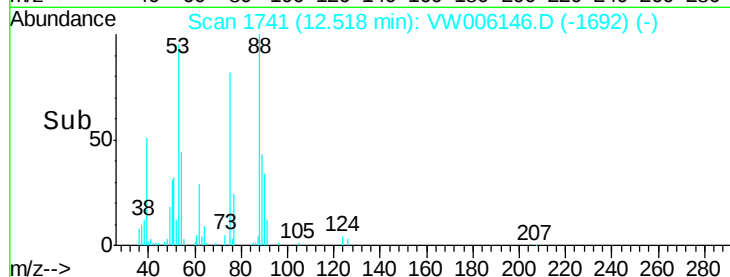
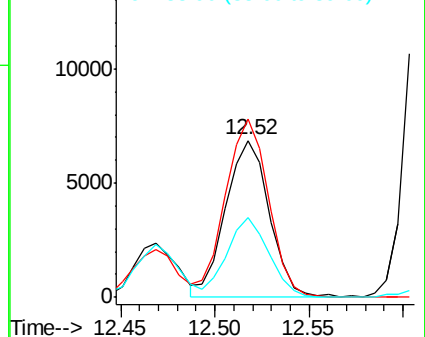
89 48.4 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006146.D

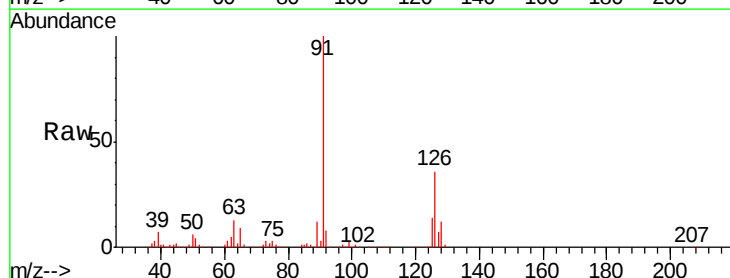
Acq: 18 Oct 2018 01:55

Tgt Ion: 91 Resp: 206872

Ion Ratio Lower Upper

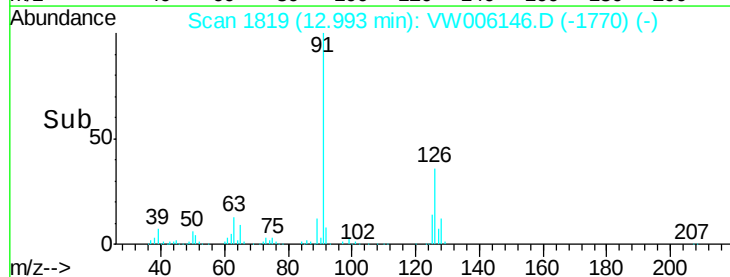
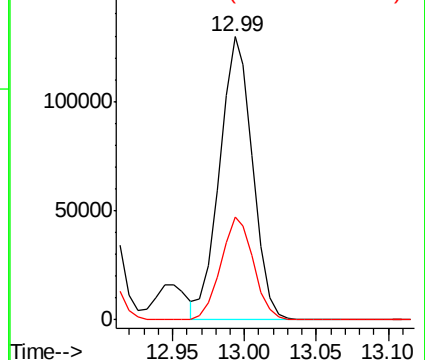
91 100

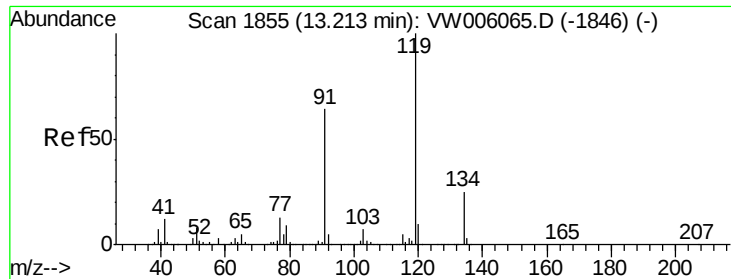
126 36.2 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

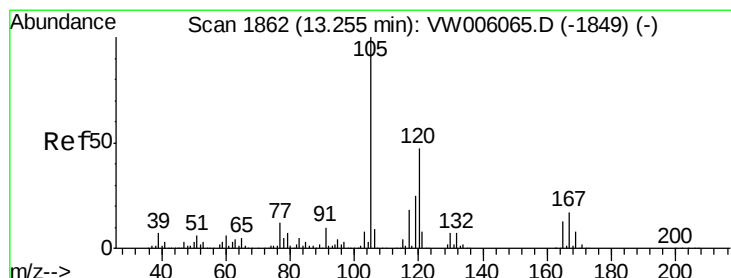
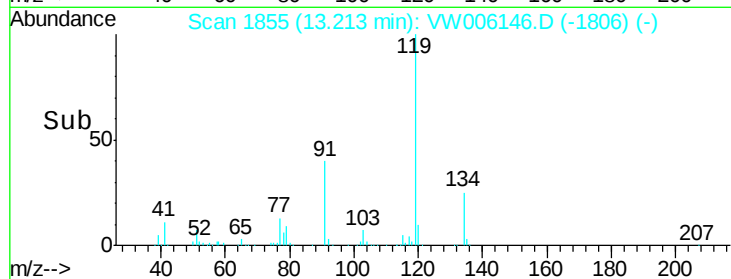
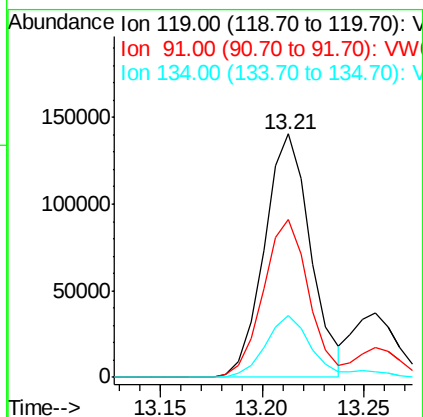
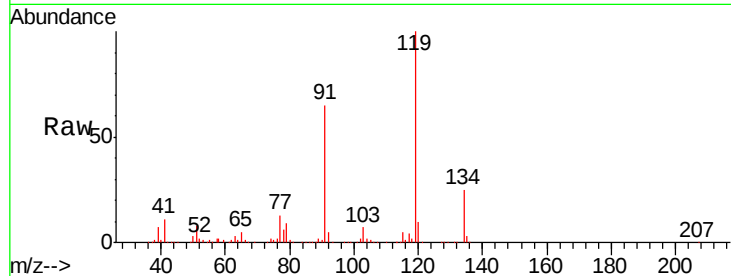




#83
 tert-Butylbenzene
 Concen: 20.45 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

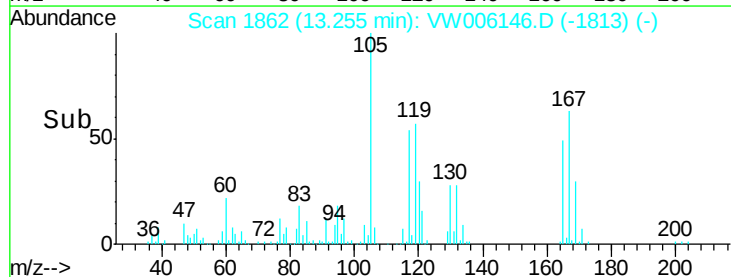
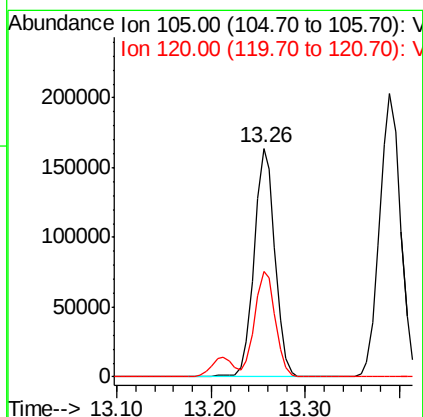
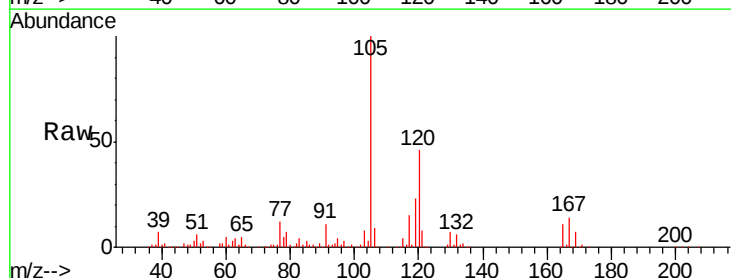
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

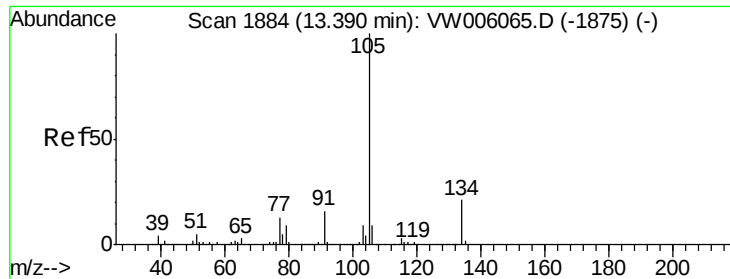
Tgt Ion:119 Resp: 221852
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.3 96.9
 134 24.8 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.84 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion:105 Resp: 255709
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3

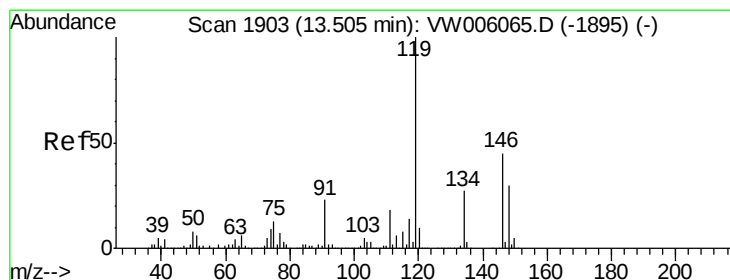
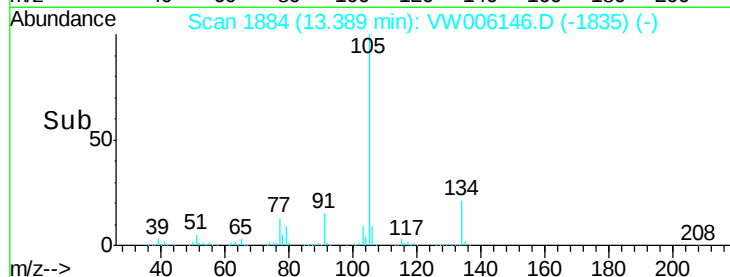
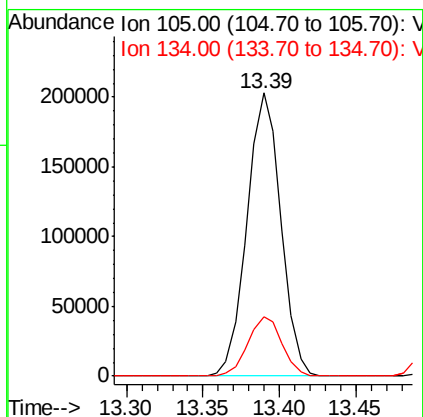
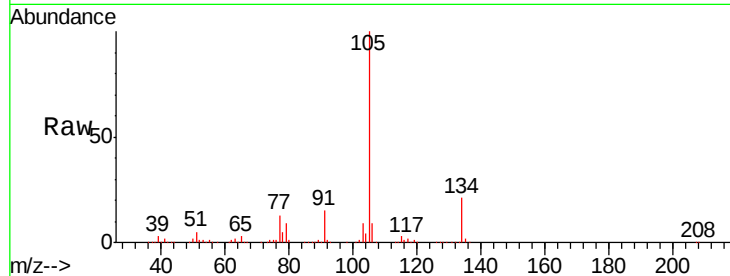




#85
 sec-Butylbenzene
 Concen: 20.37 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

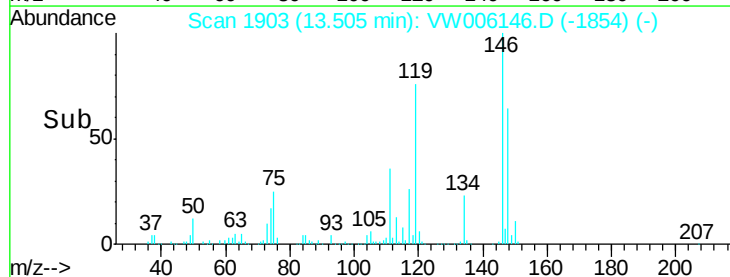
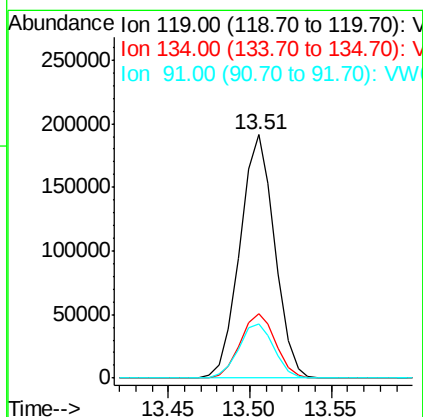
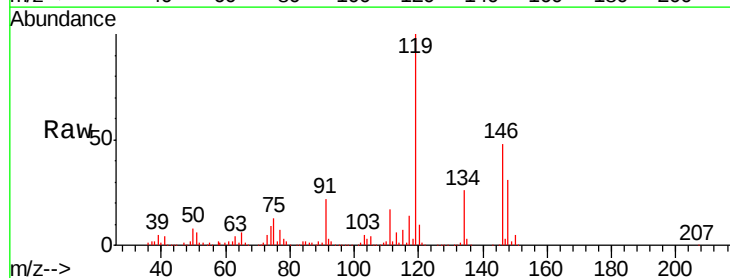
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

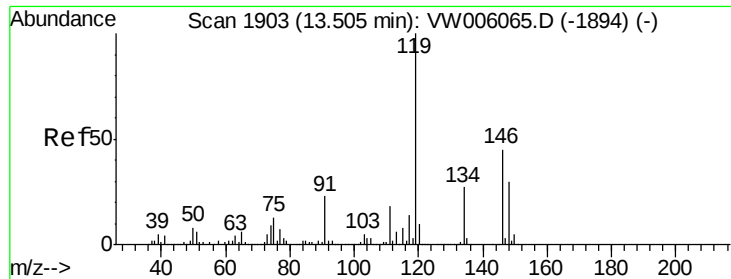
Tgt Ion:105 Resp: 312134
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 20.43 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion:119 Resp: 283256
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.8 11.4 34.1

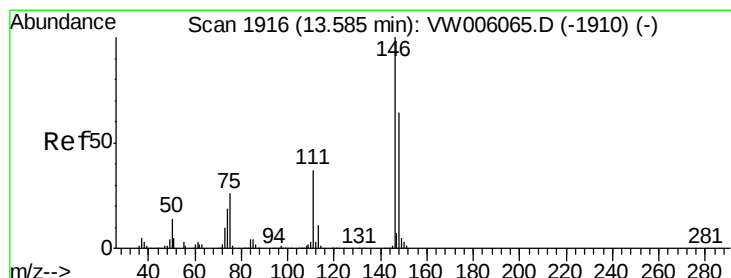
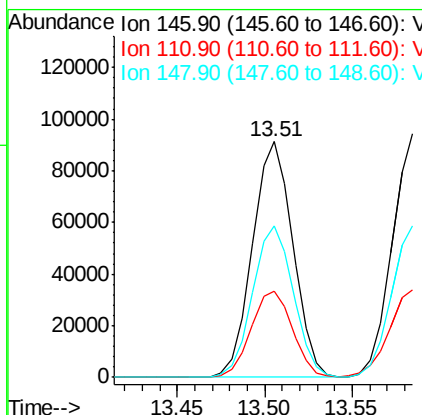
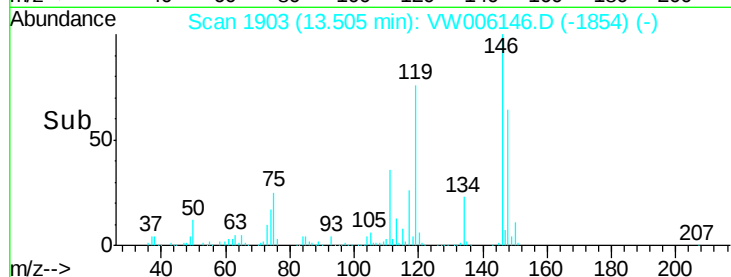
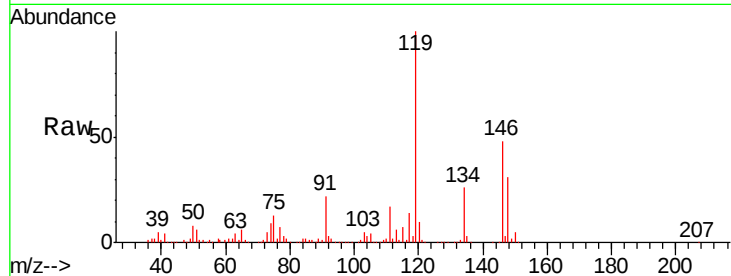




#87
 1,3-Dichlorobenzene
 Concen: 20.93 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

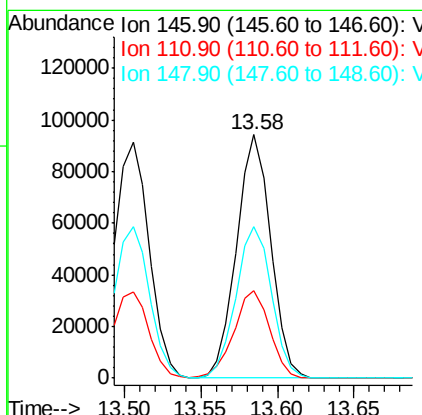
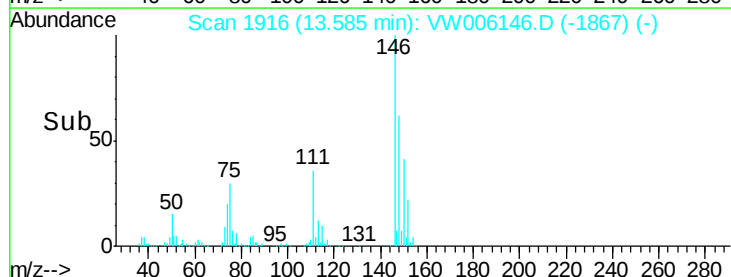
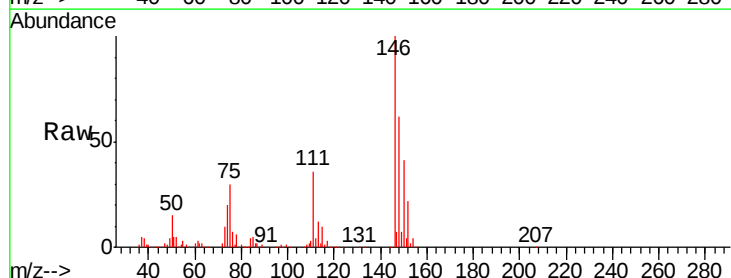
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1017SBS02

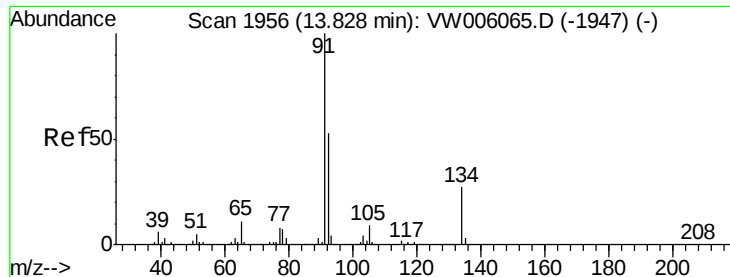
Tgt Ion:146 Resp: 146759
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006146.D
 Acq: 18 Oct 2018 01:55

Tgt Ion:146 Resp: 146746
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 56.0
 148 64.5 32.1 96.5





#89

n-Butylbenzene

Concen: 20.25 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

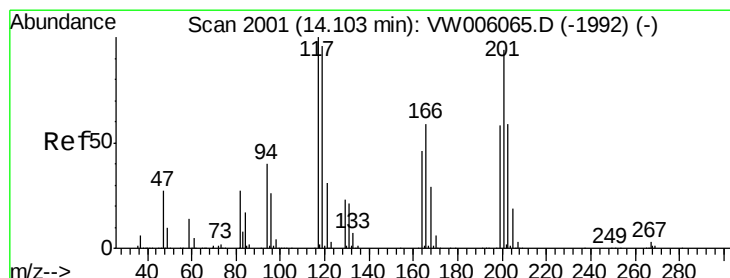
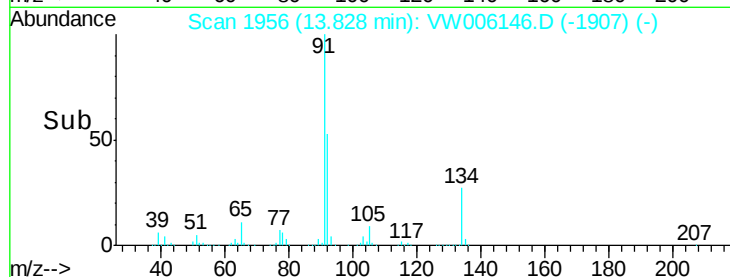
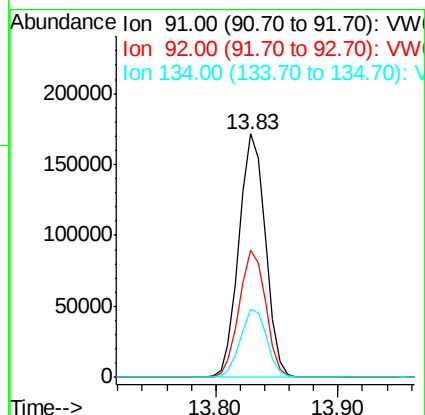
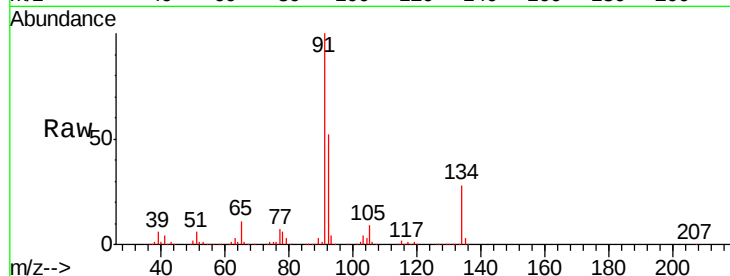
Tgt Ion: 91 Resp: 256706

Ion Ratio Lower Upper

91 100

92 52.3 26.6 79.7

134 28.2 14.0 41.9



#90

Hexachloroethane

Concen: 18.50 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006146.D

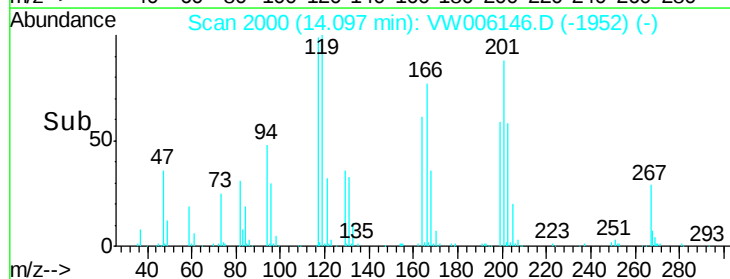
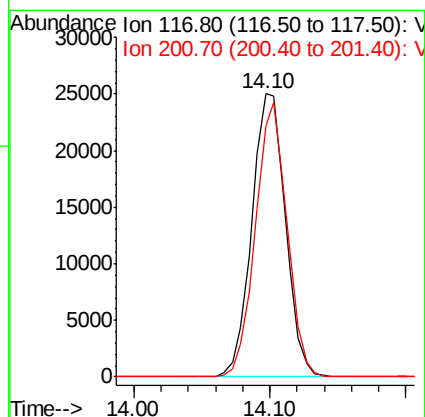
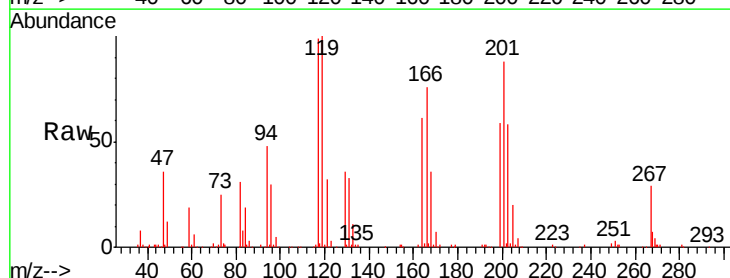
Acq: 18 Oct 2018 01:55

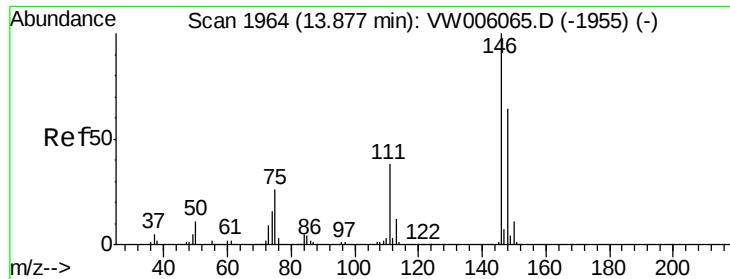
Tgt Ion: 117 Resp: 43441

Ion Ratio Lower Upper

117 100

201 91.1 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 21.37 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampled :

VW1017SBS02

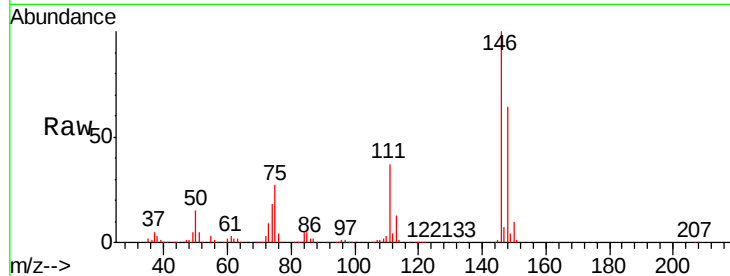
Tgt Ion:146 Resp: 133658

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

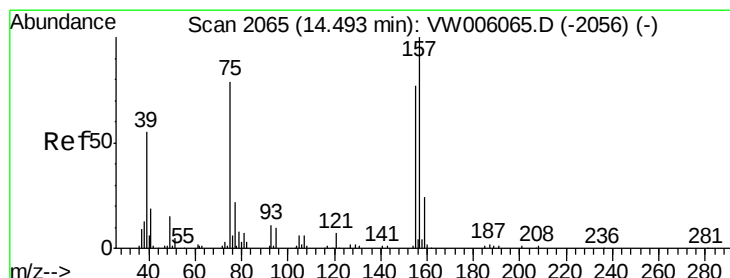
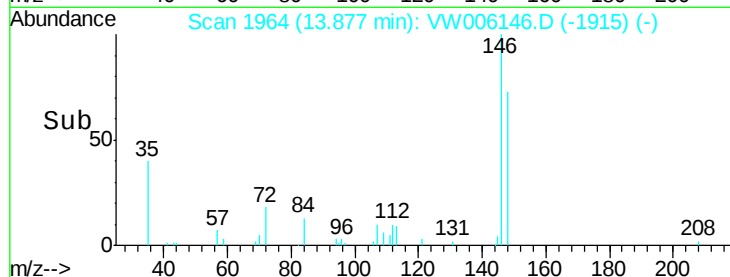
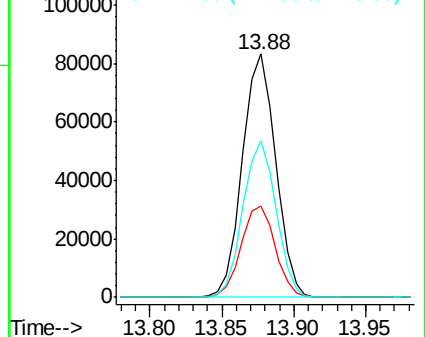
148 63.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.39 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

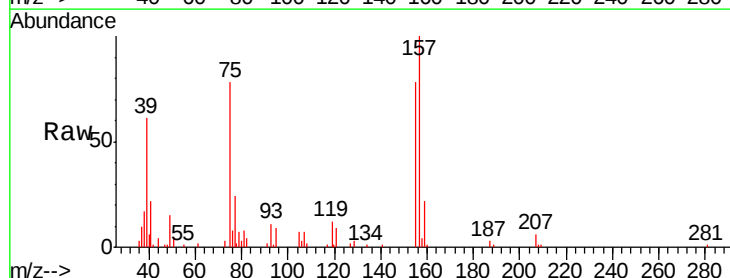
Tgt Ion: 75 Resp: 7984

Ion Ratio Lower Upper

75 100

155 92.1 46.5 139.5

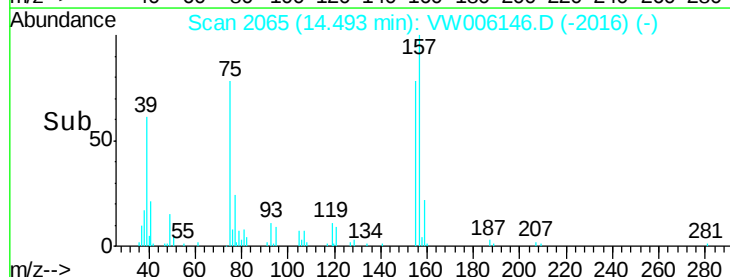
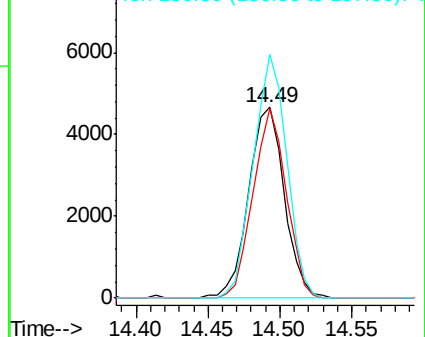
157 120.0 59.8 179.4

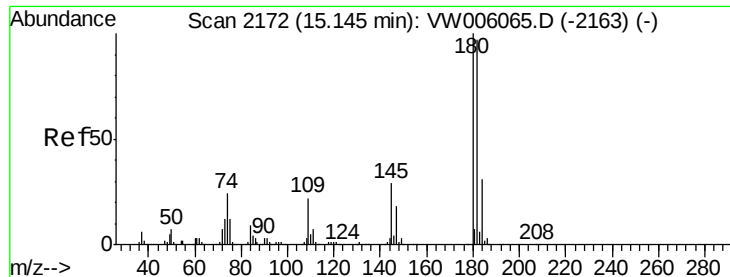


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.28 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

VW1017SBS02

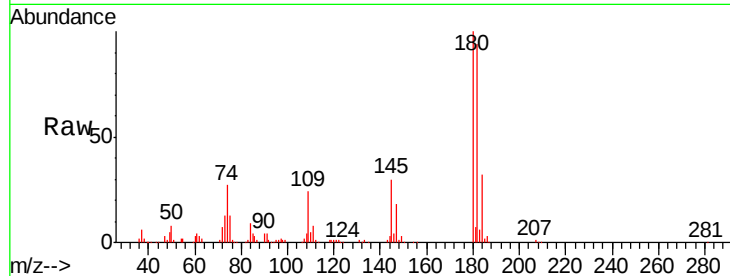
Tgt Ion:180 Resp: 102409

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.6

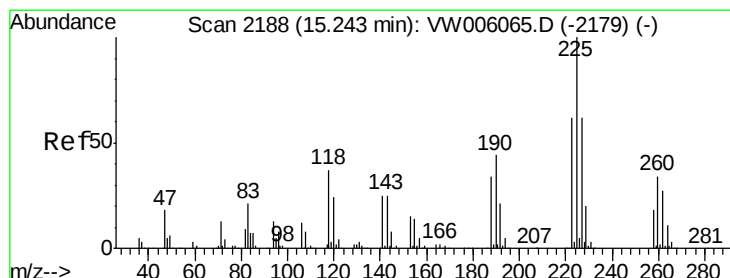
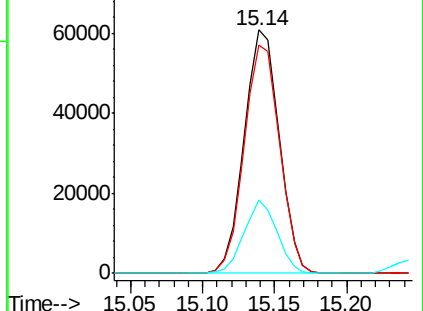
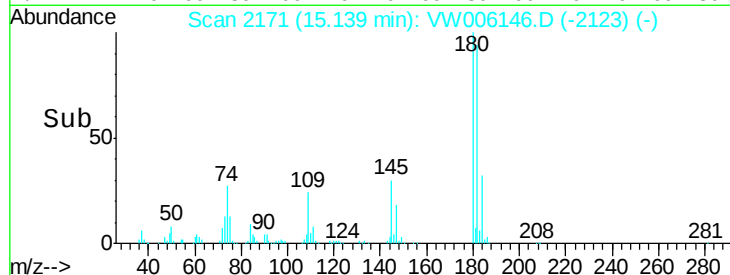
145 28.3 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.51 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW006146.D

Acq: 18 Oct 2018 01:55

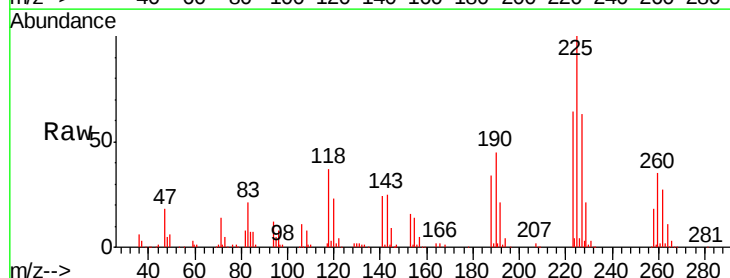
Tgt Ion:225 Resp: 62010

Ion Ratio Lower Upper

225 100

223 62.9 31.1 93.5

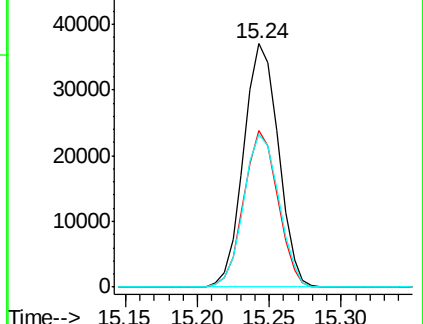
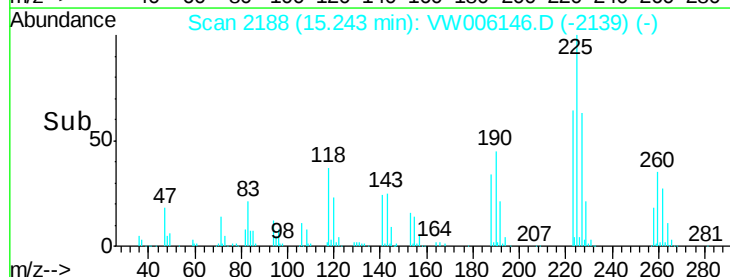
227 63.3 32.4 97.0

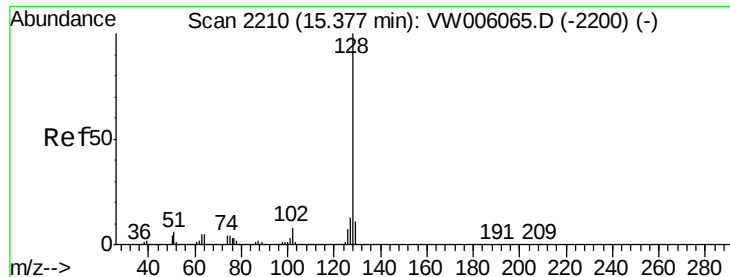


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

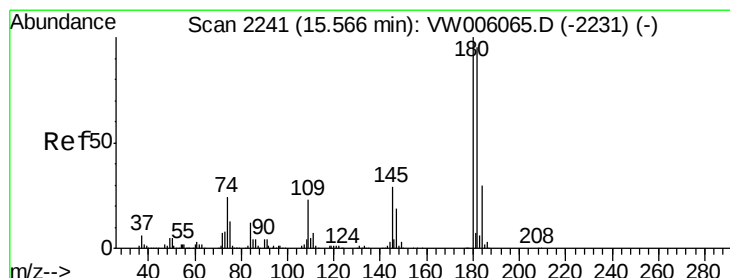
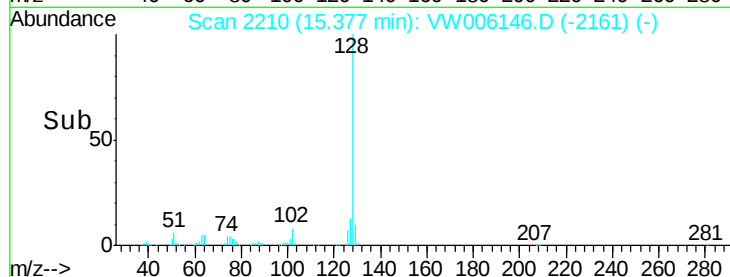
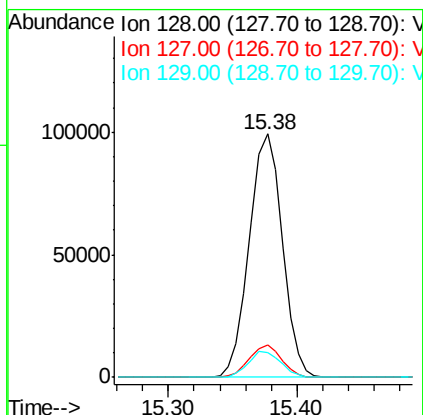
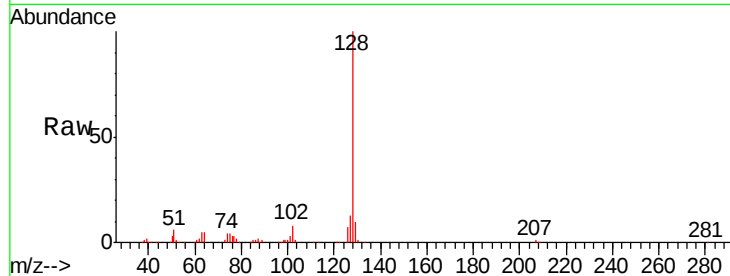




#95
Naphthalene
Concen: 22.02 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Instrument :
MSVOA_W
ClientSampleId :
VW1017SBS02

Tgt Ion:128 Resp: 176236
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.76 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006146.D
Acq: 18 Oct 2018 01:55

Tgt Ion:180 Resp: 90585
Ion Ratio Lower Upper
180 100
182 95.1 47.8 143.3
145 30.1 15.0 45.1

