

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006024.D
 Acq On : 11 Oct 2018 11:45
 Operator : VA/AP
 Sample : VW1012SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Quant Time: Oct 11 15:46:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99350	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	7.88	113	103050	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.32	98	396615	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.62	95	144631	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	23212	20.21	ug/l	97
3) Chloromethane	2.21	50	30053	22.25	ug/l	99
4) Vinyl Chloride	2.37	62	44805	20.89	ug/l	98
5) Bromomethane	2.78	94	39924	23.59	ug/l	99
6) Chloroethane	2.93	64	30487	22.31	ug/l	96
7) Trichlorofluoromethane	3.25	101	34461	20.24	ug/l	99
8) Diethyl Ether	3.68	74	20969	20.02	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41333	19.24	ug/l	97
10) Methyl Iodide	4.27	142	66816	19.02	ug/l	99
11) Tert butyl alcohol	5.20	59	13159	78.93	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	40207	19.49	ug/l	99
13) Acrolein	3.89	56	12740	85.75	ug/l	99
14) Allyl chloride	4.67	41	55032	15.64	ug/l	94
15) Acrylonitrile	5.37	53	41402	90.81	ug/l	98
16) Acetone	4.13	43	45906	101.03	ug/l	96
17) Carbon Disulfide	4.37	76	101681	16.30	ug/l	100
18) Methyl Acetate	4.68	43	17823	15.54	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	57982	18.07	ug/l	99
20) Methylene Chloride	4.91	84	43132	18.95	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43956	19.55	ug/l	96
22) Diisopropyl ether	6.32	45	114194	17.36	ug/l	95
23) Vinyl Acetate	6.26	43	342574	84.64	ug/l	97
24) 1,1-Dichloroethane	6.21	63	75533	18.77	ug/l	100
25) 2-Butanone	7.18	43	60966	94.33	ug/l	97
26) 2,2-Dichloropropane	7.17	77	50184	17.72	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50150	19.72	ug/l	95
28) Bromochloromethane	7.51	49	27592	18.57	ug/l	91
29) Tetrahydrofuran	7.54	42	34277	83.90	ug/l	96
30) Chloroform	7.68	83	80194	19.40	ug/l	100
31) Cyclohexane	7.96	56	68461	17.19	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	68446	18.59	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64215	19.88	ug/l	99
37) Ethyl Acetate	7.26	43	25039	18.30	ug/l	99
38) Carbon Tetrachloride	8.07	117	64141	18.48	ug/l	99

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Quant Time: Oct 11 15:46:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82508	19.36	ug/l	97
40) Benzene	8.32	78	175194	19.81	ug/l	99
41) Methacrylonitrile	7.49	41	14770	17.24	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50437	18.88	ug/l	99
43) Isopropyl Acetate	8.43	43	48997	17.15	ug/l	97
44) Trichloroethene	9.09	130	53154	20.72	ug/l	100
45) 1,2-Dichloropropane	9.37	63	41979	18.97	ug/l	95
46) Dibromomethane	9.46	93	23635	19.43	ug/l	99
47) Bromodichloromethane	9.65	83	56254	18.38	ug/l	98
48) Methyl methacrylate	9.44	41	22664	16.65	ug/l	94
49) 1,4-Dioxane	9.46	88	7399	400.45	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	123196	88.53	ug/l	98
52) Toluene	10.39	92	114102	19.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	54052	16.90	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	63815	17.75	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	33335	19.79	ug/l	98
56) Ethyl methacrylate	10.65	69	40441	17.81	ug/l	96
57) 1,3-Dichloropropane	10.94	76	55301	19.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	87206	94.38	ug/l	97
59) 2-Hexanone	10.97	43	93977	94.18	ug/l	96
60) Dibromochloromethane	11.13	129	39624	18.23	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32489	19.30	ug/l	100
64) Tetrachloroethene	10.87	164	46313	20.26	ug/l	95
65) Chlorobenzene	11.66	112	134352	20.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46551	19.32	ug/l	99
67) Ethyl Benzene	11.74	91	232485	20.03	ug/l	97
68) m/p-Xylenes	11.85	106	182546	40.24	ug/l	99
69) o-Xylene	12.17	106	86336	19.88	ug/l	98
70) Styrene	12.18	104	142526	19.78	ug/l	98
71) Bromoform	12.35	173	24228	16.88	ug/l #	98
73) Isopropylbenzene	12.47	105	247488	19.77	ug/l	100
74) N-amyl acetate	12.28	43	48497	16.31	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	39142	19.08	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49544	32.36	ug/l #	100
77) Bromobenzene	12.75	156	59608	20.10	ug/l	95
78) n-propylbenzene	12.81	91	289914	19.69	ug/l	100
79) 2-Chlorotoluene	12.90	91	160540	19.31	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	206909	19.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	10617	14.64	ug/l	94
82) 4-Chlorotoluene	12.99	91	171122	19.57	ug/l	98
83) tert-Butylbenzene	13.21	119	187765	19.98	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	213127	19.99	ug/l	100
85) sec-Butylbenzene	13.39	105	266295	20.18	ug/l	100
86) p-Isopropyltoluene	13.51	119	239308	20.17	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	121428	20.61	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	119959	20.49	ug/l	100
89) n-Butylbenzene	13.83	91	225356	20.15	ug/l	99
90) Hexachloroethane	14.10	117	37691	16.89	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	107562	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6369	16.66	ug/l	98

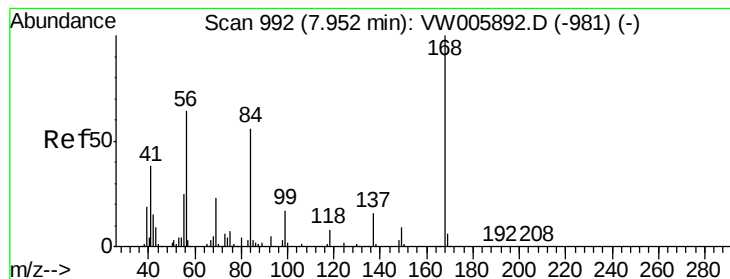
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	84115	20.74	ug/l	99
94) Hexachlorobutadiene	15.24	225	51377	20.29	ug/l	99
95) Naphthalene	15.38	128	137247	19.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72242	20.57	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: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

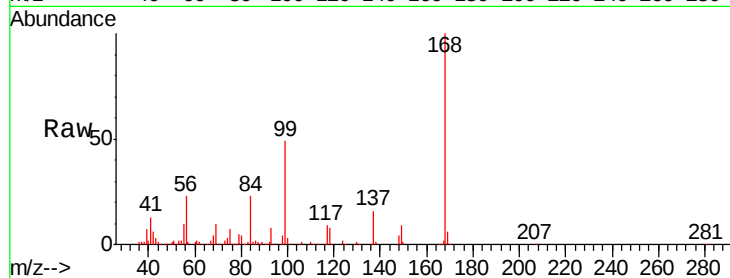
VW1012SBS01

Tgt Ion:168 Resp: 234340

Ion Ratio Lower Upper

168 100

99 48.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

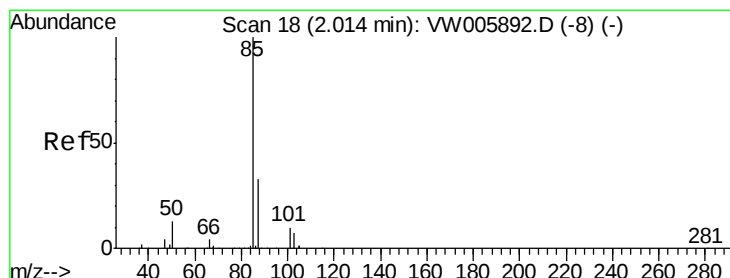
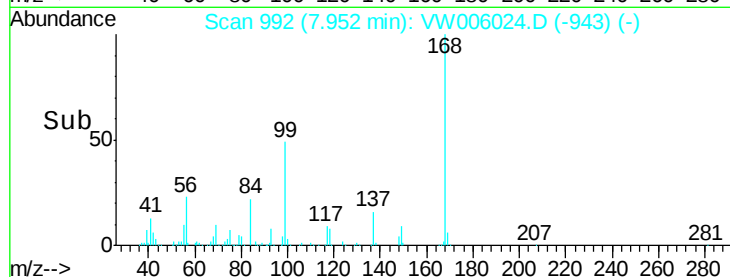
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.21 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006024.D

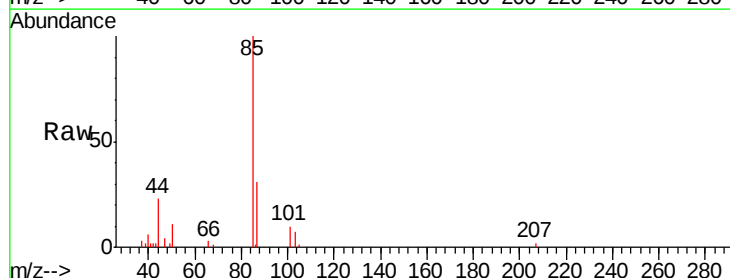
Acq: 11 Oct 2018 11:45

Tgt Ion: 85 Resp: 23212

Ion Ratio Lower Upper

85 100

87 31.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

4000

2000

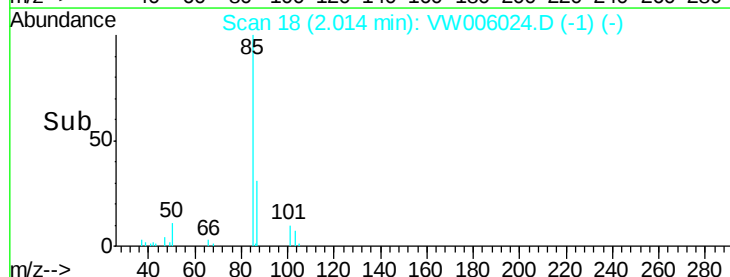
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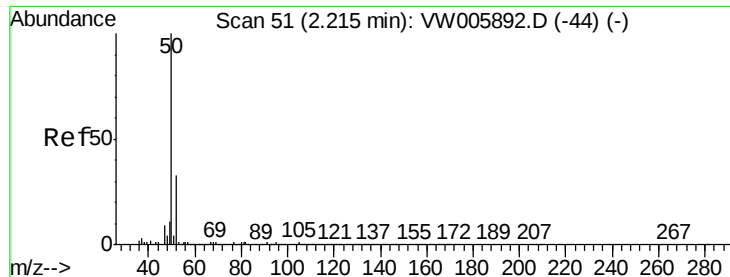
1.90

2.00

2.10

Time-->

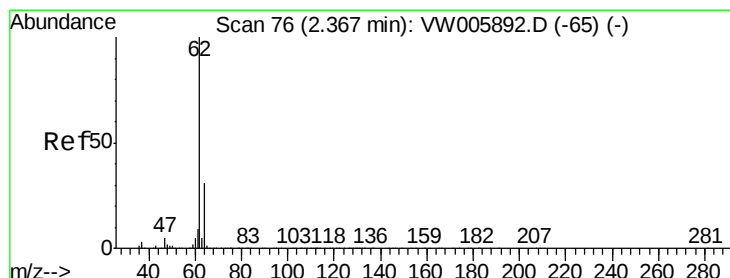
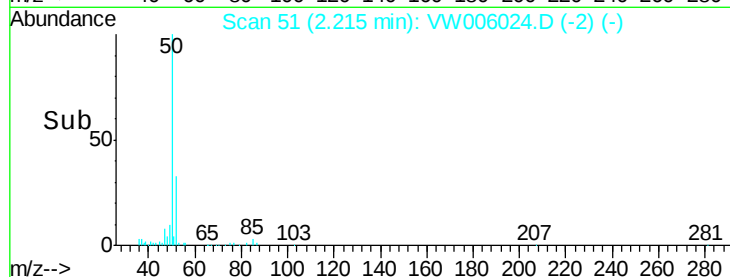
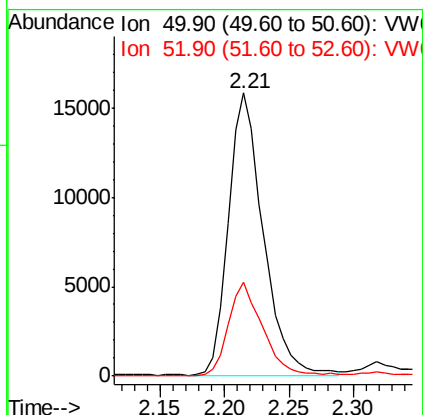
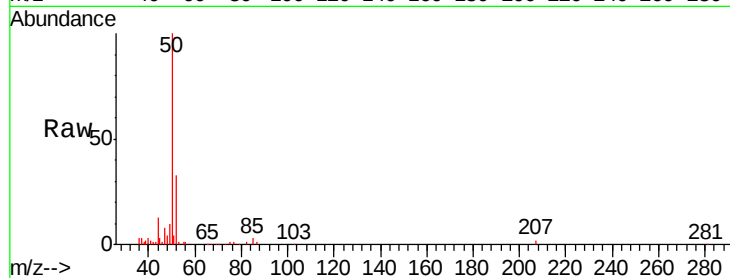




#3
Chloromethane
Concen: 22.25 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

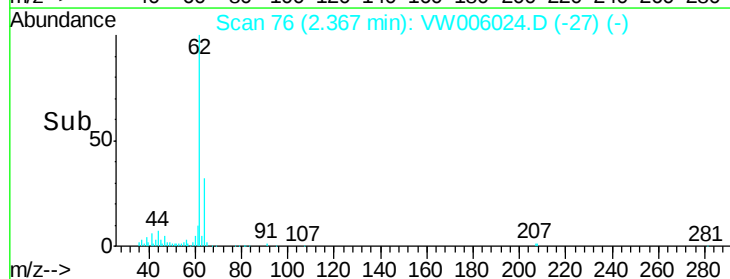
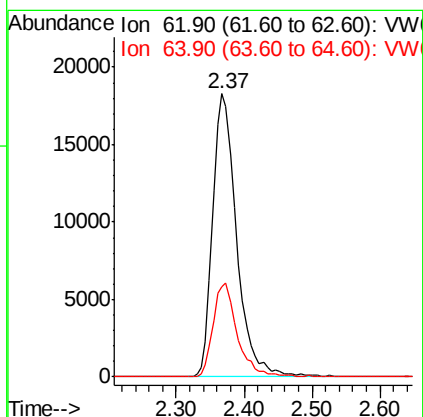
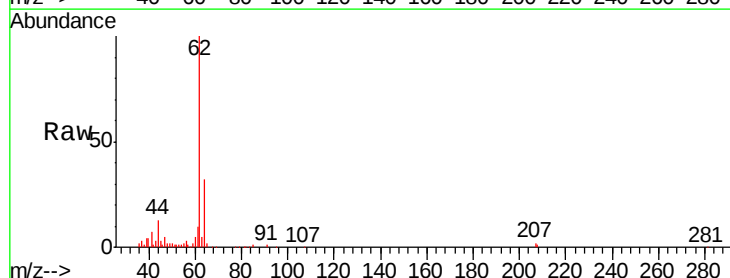
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

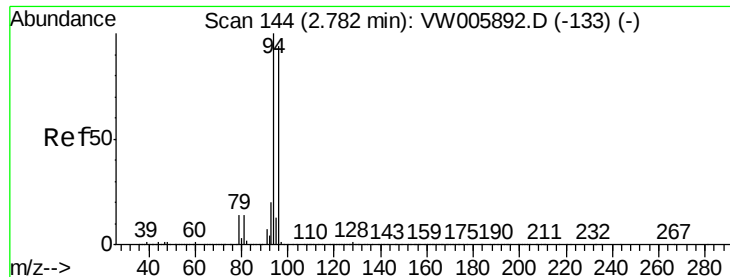
Tgt Ion: 50 Resp: 30053
Ion Ratio Lower Upper
50 100
52 33.1 26.7 40.1



#4
Vinyl Chloride
Concen: 20.89 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 62 Resp: 44805
Ion Ratio Lower Upper
62 100
64 31.7 24.6 36.8





#5

Bromomethane

Concen: 23.59 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

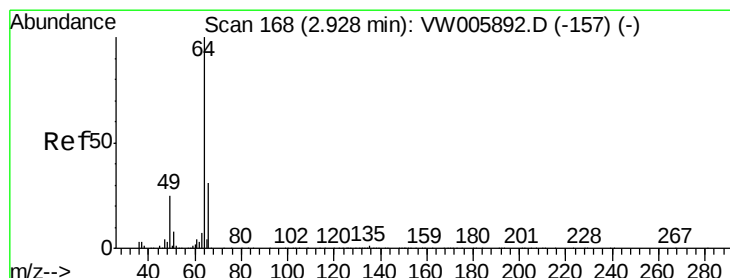
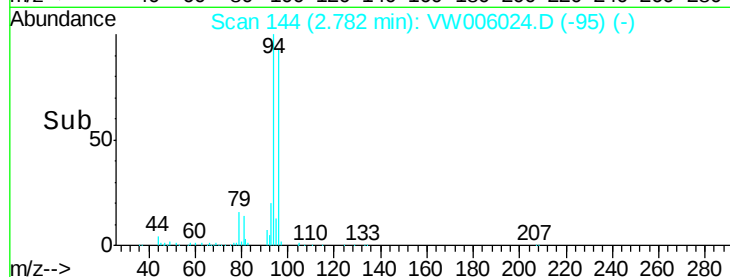
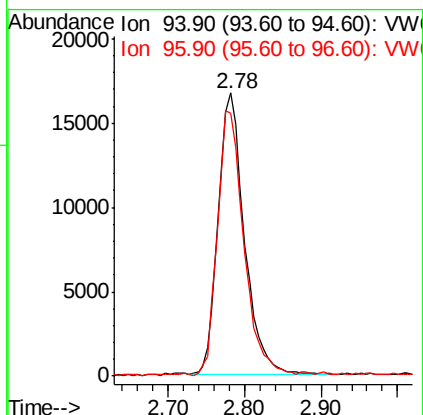
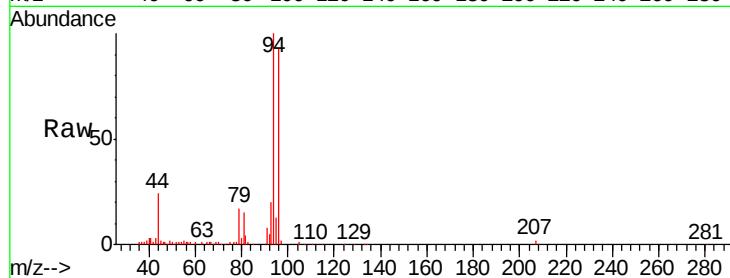
VW1012SBS01

Tgt Ion: 94 Resp: 39924

Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.4



#6

Chloroethane

Concen: 22.31 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006024.D

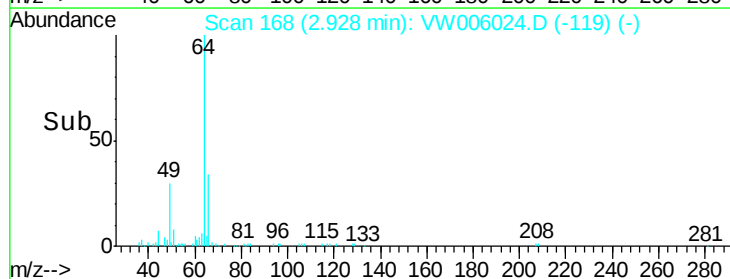
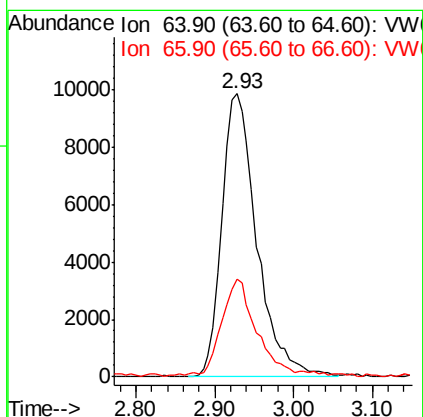
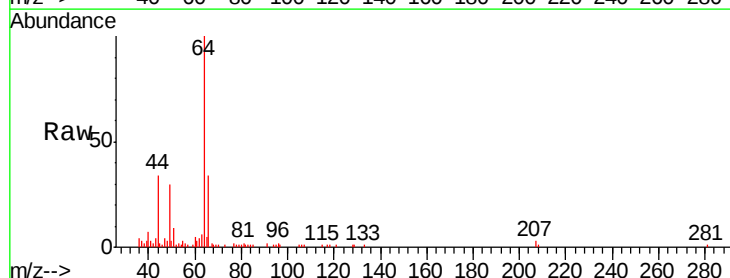
Acq: 11 Oct 2018 11:45

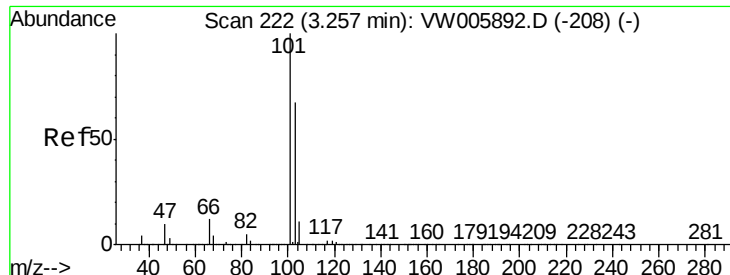
Tgt Ion: 64 Resp: 30487

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4



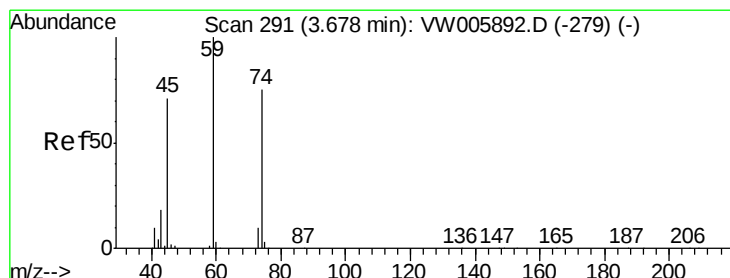
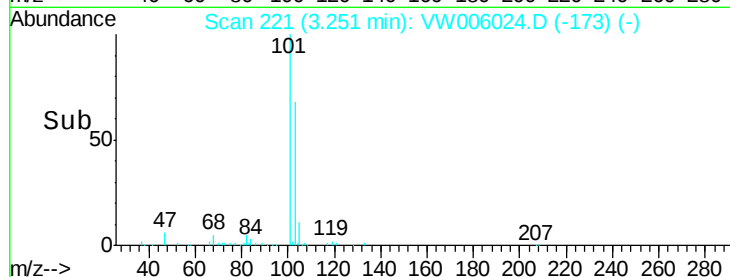
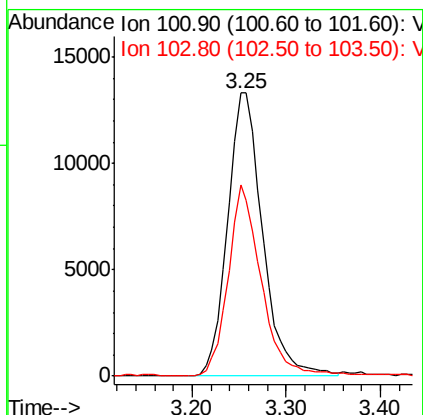
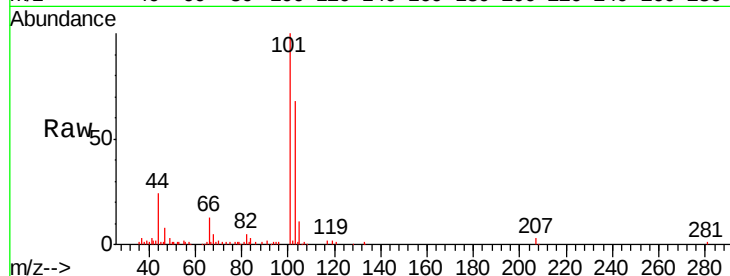


#7

Trichlorofluoromethane
Concen: 20.24 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

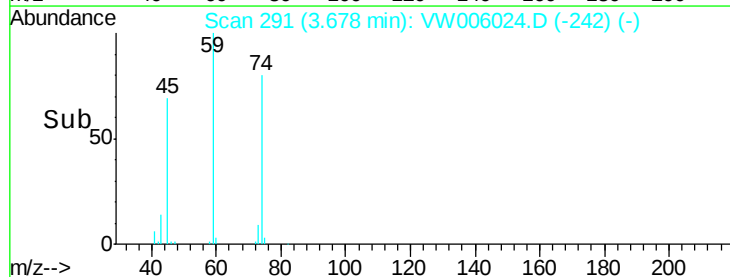
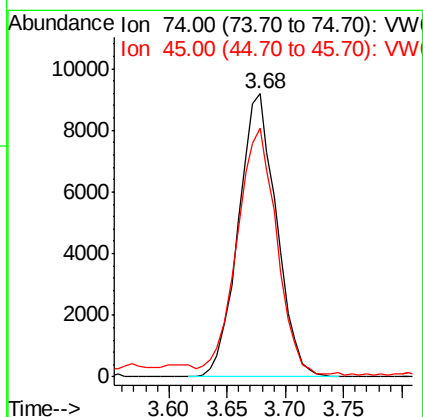
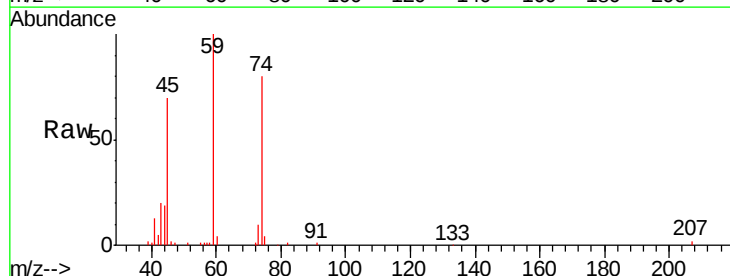
Tgt Ion:101 Resp: 34461
Ion Ratio Lower Upper
101 100
103 67.7 53.5 80.3

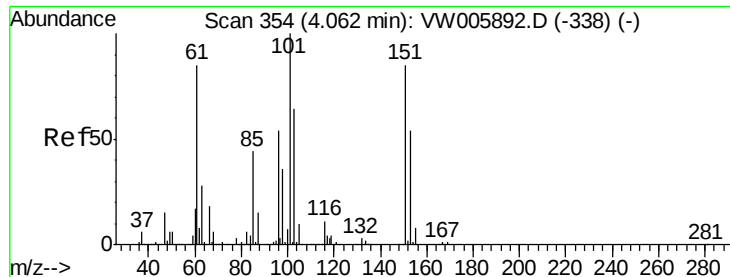


#8

Diethyl Ether
Concen: 20.02 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 74 Resp: 20969
Ion Ratio Lower Upper
74 100
45 90.5 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.24 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

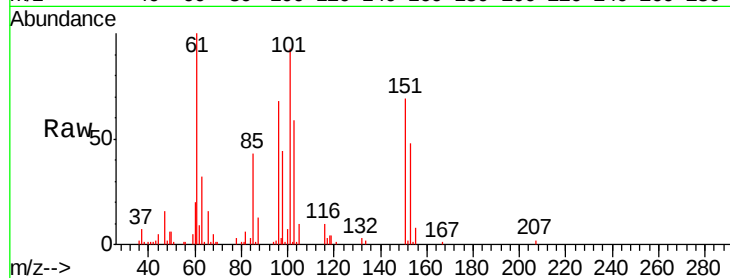
Tgt Ion:101 Resp: 41333

Ion Ratio Lower Upper

101 100

85 45.8 35.1 52.7

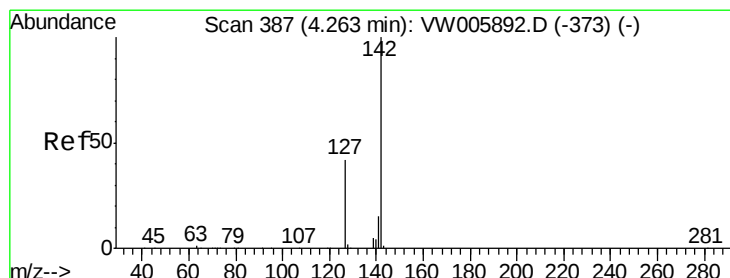
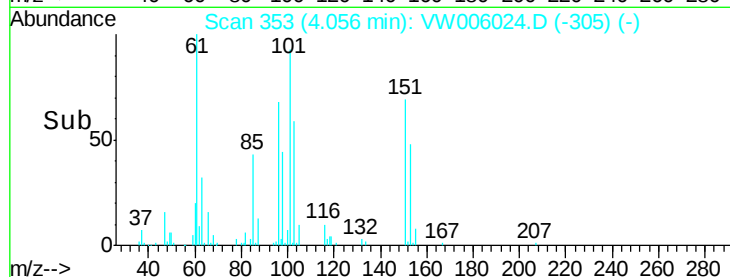
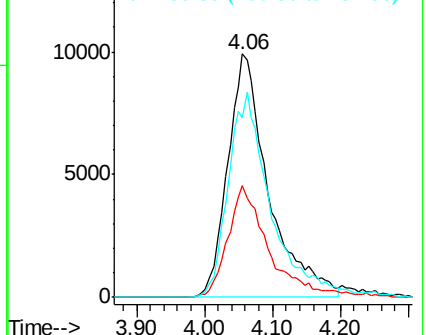
151 87.0 67.7 101.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.02 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

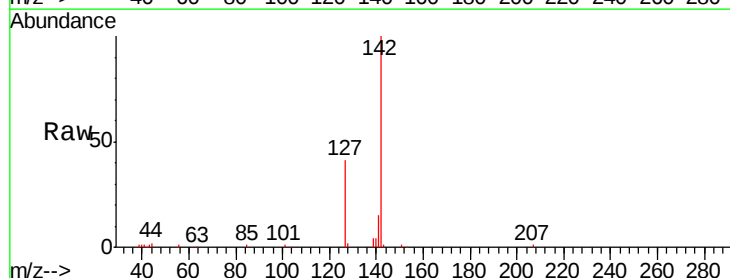
Tgt Ion:142 Resp: 66816

Ion Ratio Lower Upper

142 100

127 41.6 33.7 50.5

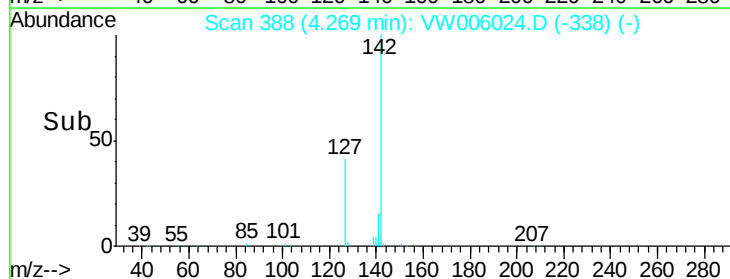
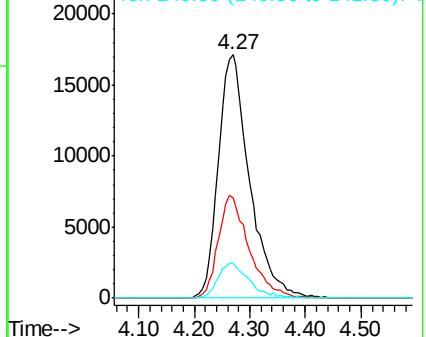
141 14.4 11.5 17.3

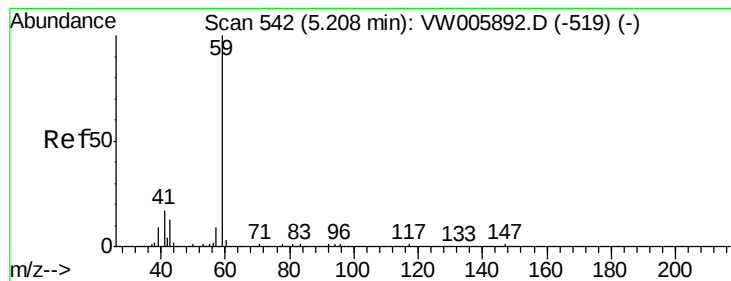


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 78.93 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

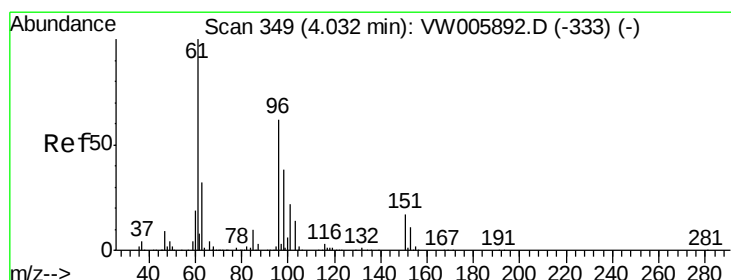
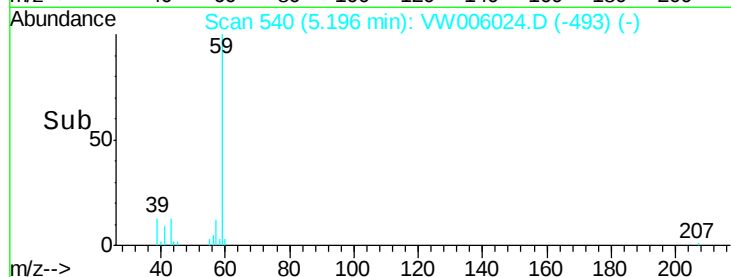
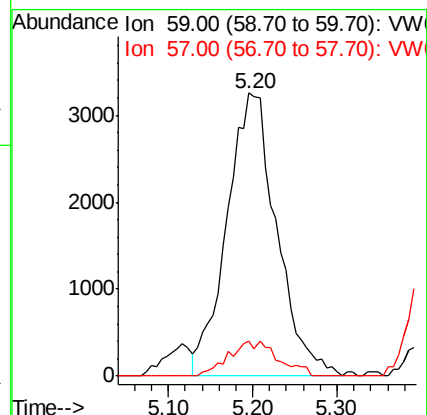
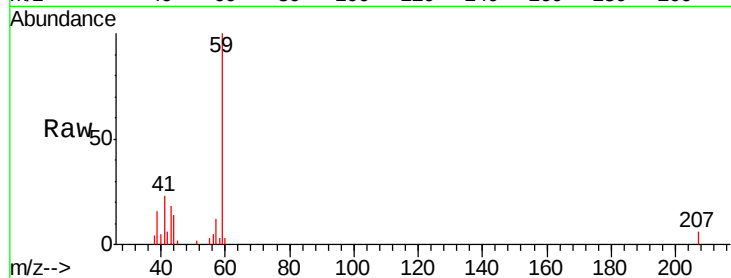
VW1012SBS01

Tgt Ion: 59 Resp: 13159

Ion Ratio Lower Upper

59 100

57 6.6 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 19.49 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

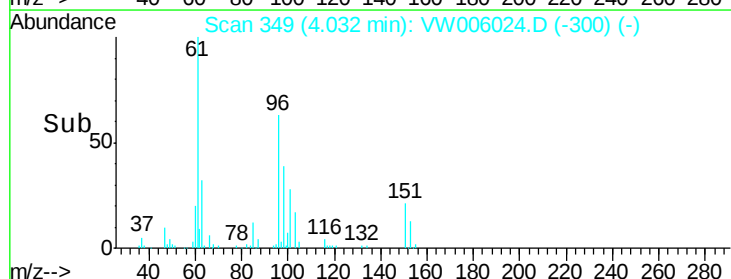
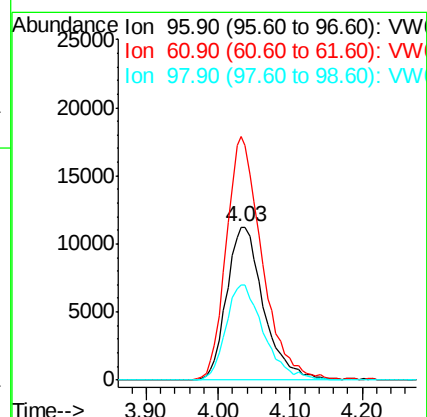
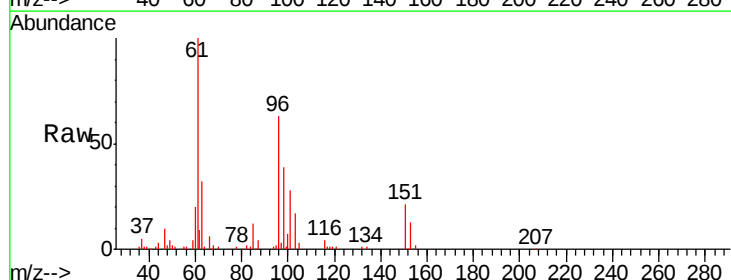
Tgt Ion: 96 Resp: 40207

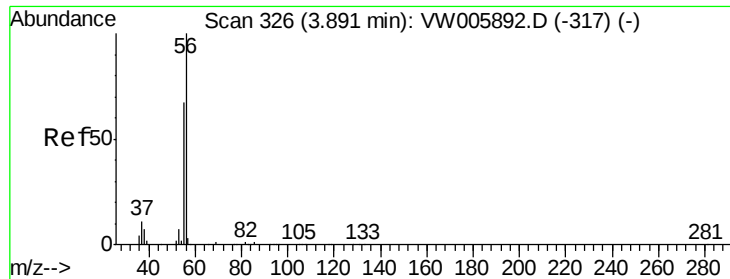
Ion Ratio Lower Upper

96 100

61 158.9 128.6 193.0

98 62.0 49.4 74.0





#13

Acrolein

Concen: 85.75 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

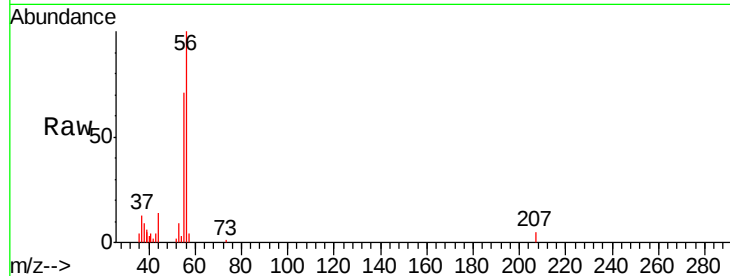
VW1012SBS01

Tgt Ion: 56 Resp: 12740

Ion Ratio Lower Upper

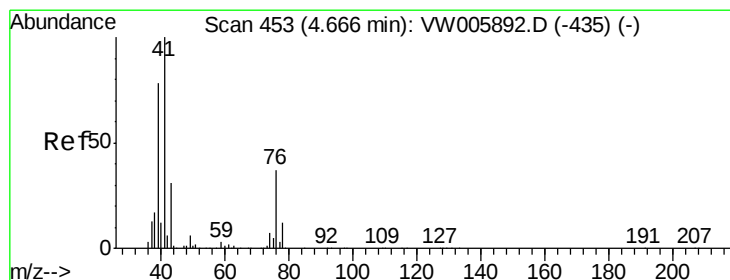
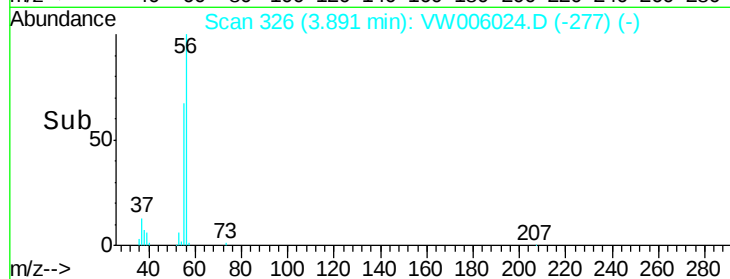
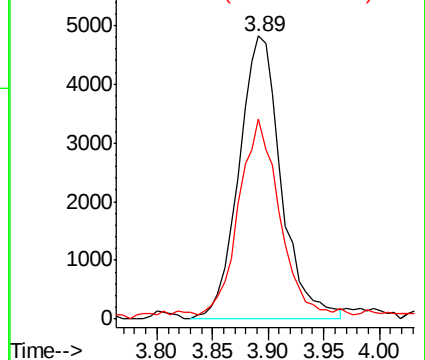
56 100

55 68.7 54.6 82.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 15.64 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

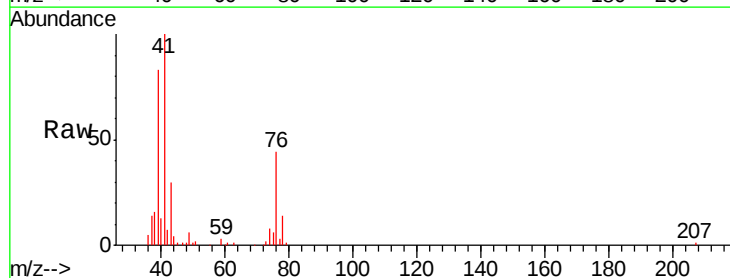
Tgt Ion: 41 Resp: 55032

Ion Ratio Lower Upper

41 100

39 80.2 60.8 91.2

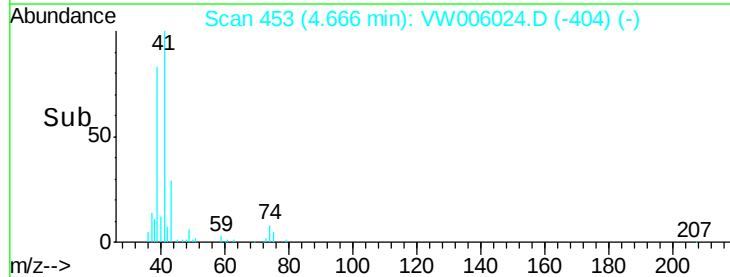
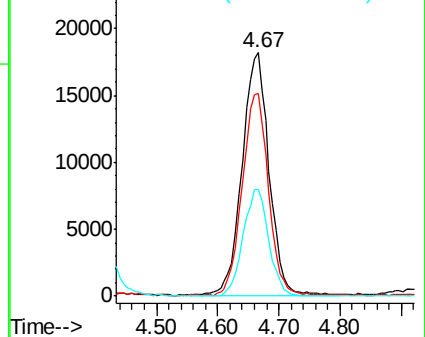
76 41.8 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 90.81 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

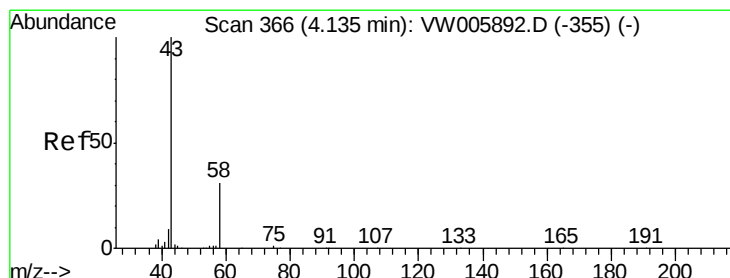
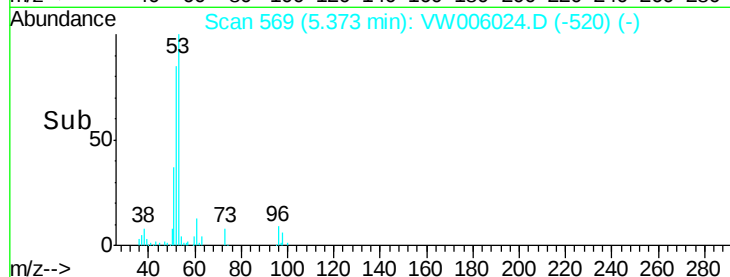
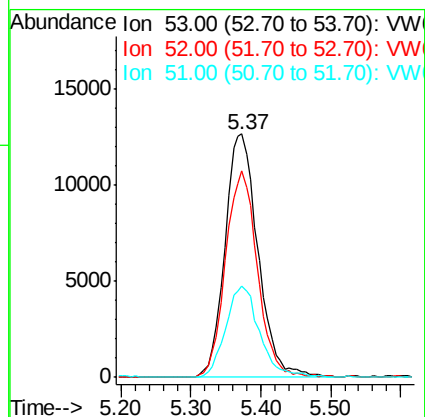
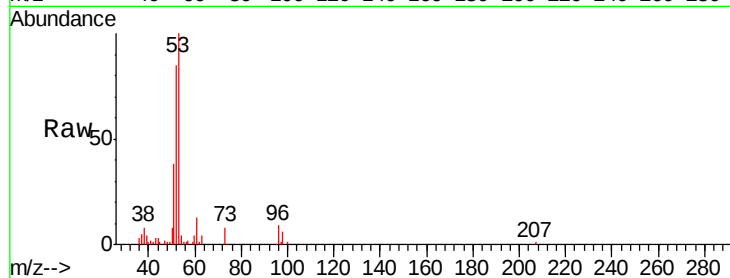
Tgt Ion: 53 Resp: 41402

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

51 38.5 29.8 44.6



#16

Acetone

Concen: 101.03 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006024.D

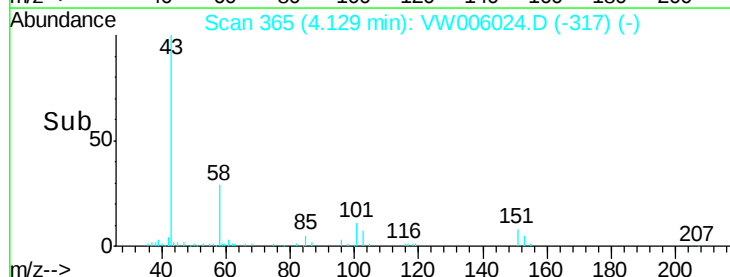
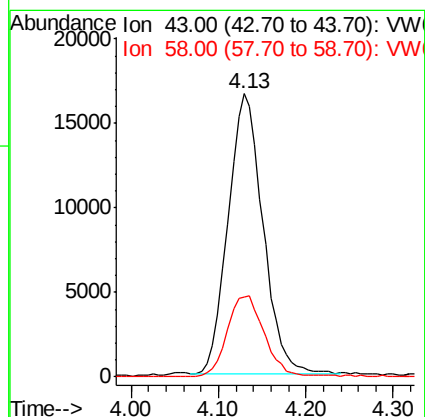
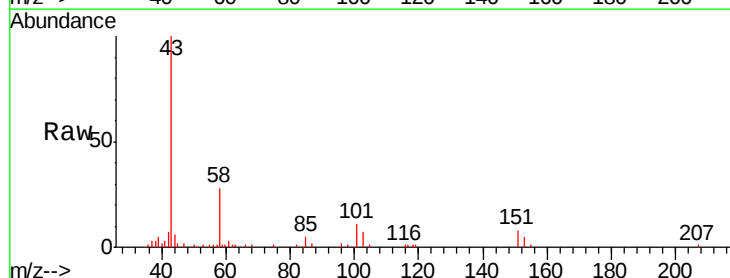
Acq: 11 Oct 2018 11:45

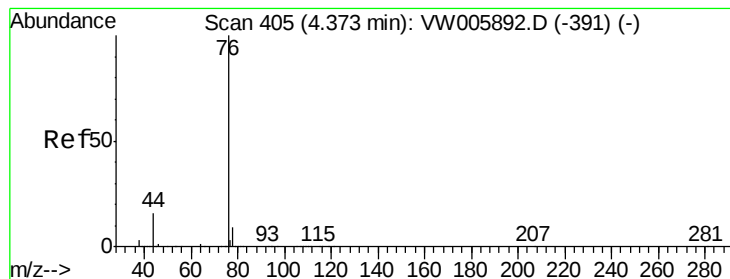
Tgt Ion: 43 Resp: 45906

Ion Ratio Lower Upper

43 100

58 28.6 24.7 37.1





#17

Carbon Disulfide

Concen: 16.30 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

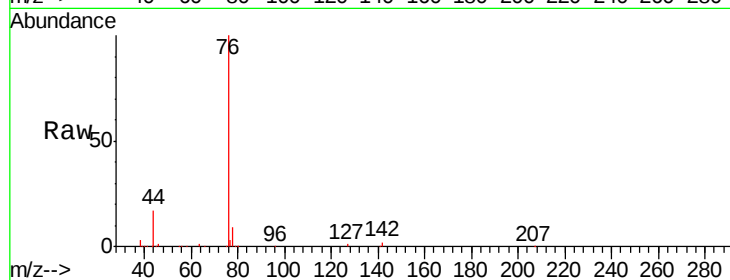
VW1012SBS01

Tgt Ion: 76 Resp: 101681

Ion Ratio Lower Upper

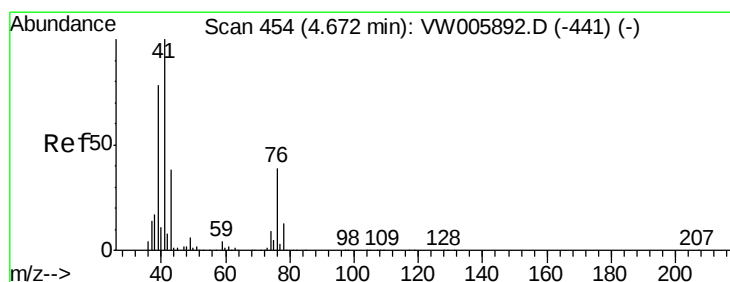
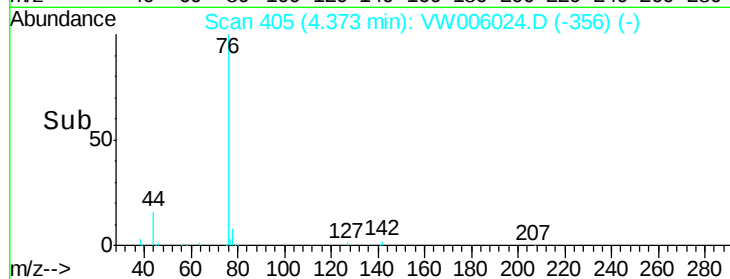
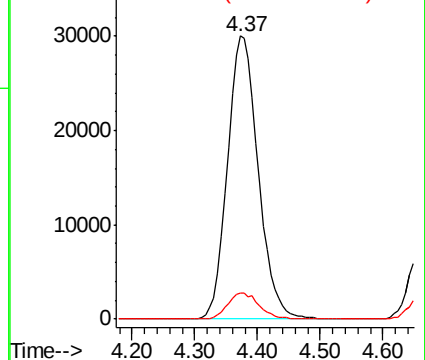
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 15.54 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW006024.D

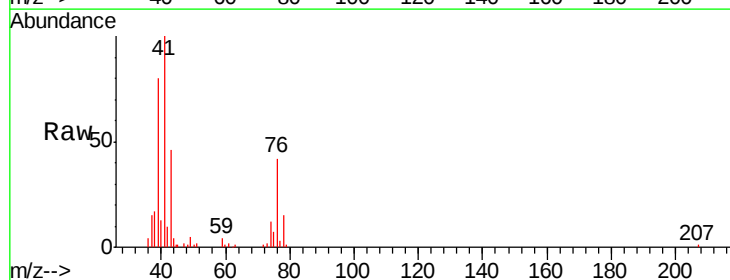
Acq: 11 Oct 2018 11:45

Tgt Ion: 43 Resp: 17823

Ion Ratio Lower Upper

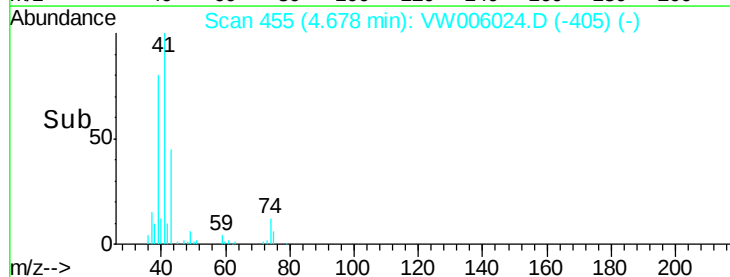
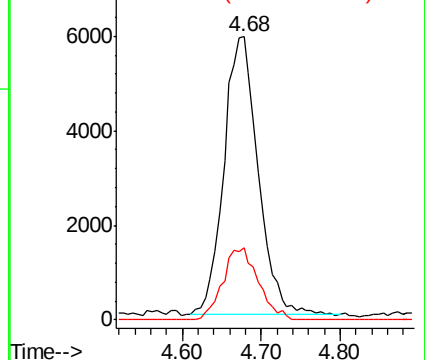
43 100

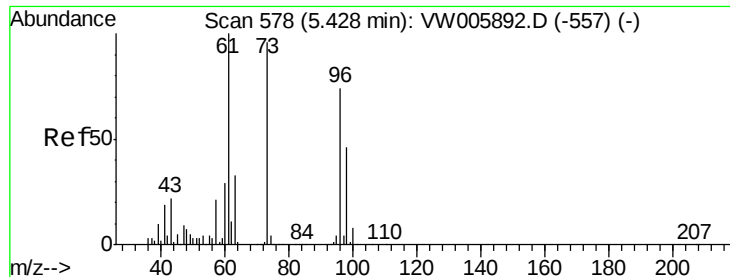
74 26.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

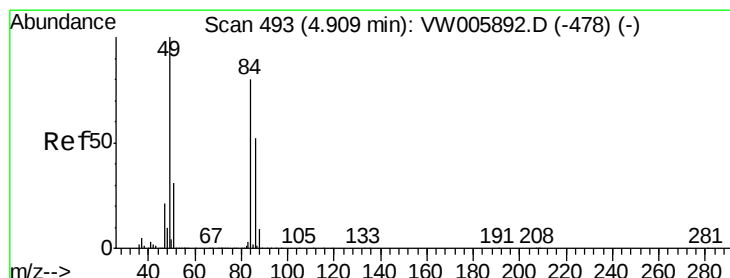
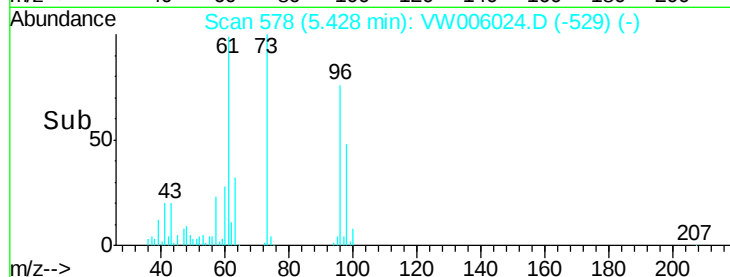
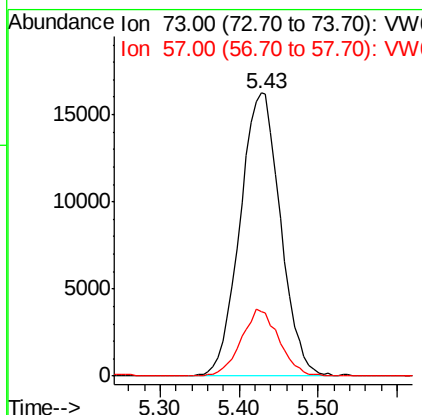
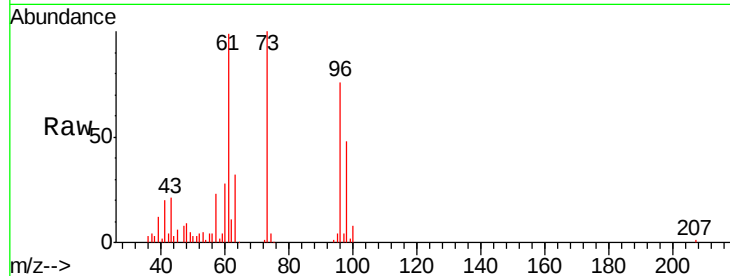




#19
Methyl tert-butyl Ether
Concen: 18.07 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

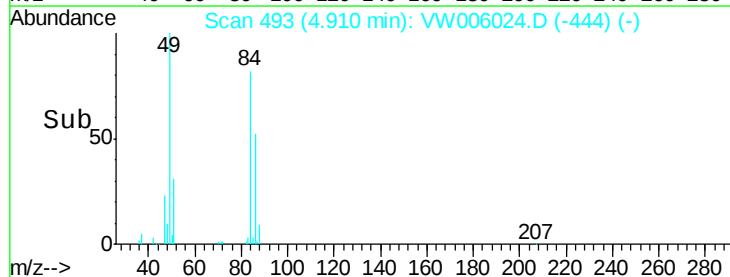
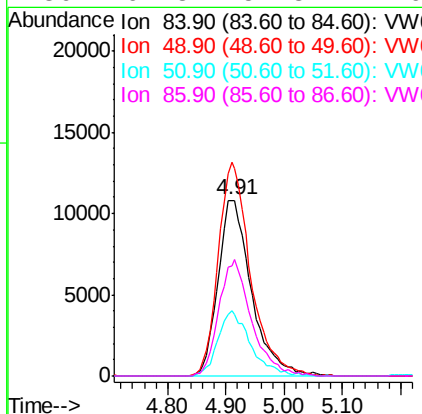
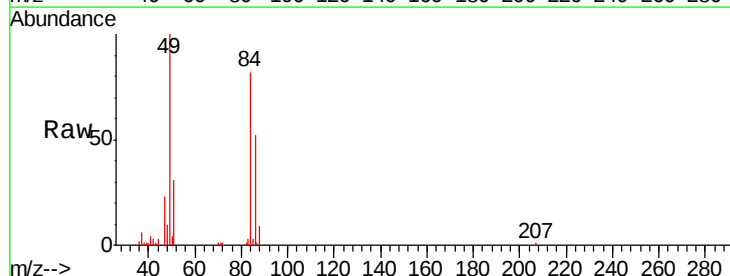
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

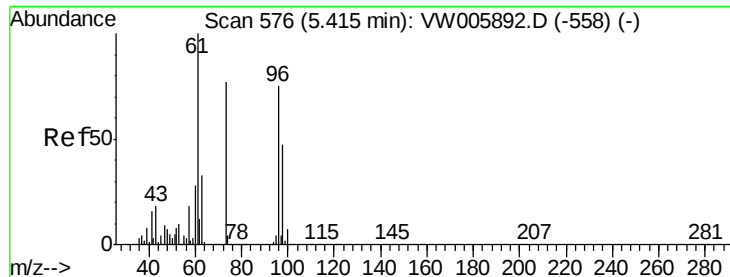
Tgt Ion: 73 Resp: 57982
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5



#20
Methylene Chloride
Concen: 18.95 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 84 Resp: 43132
Ion Ratio Lower Upper
84 100
49 121.4 99.9 149.9
51 37.1 31.1 46.7
86 62.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

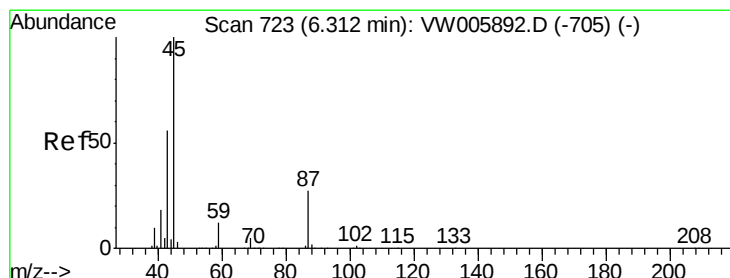
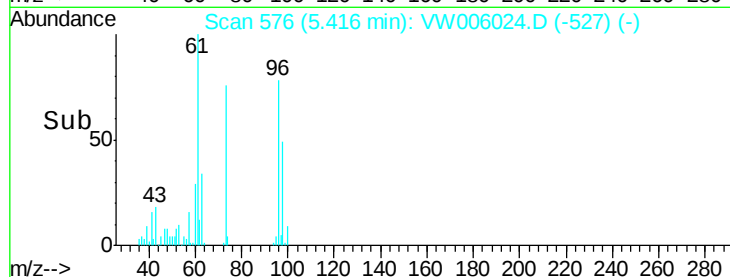
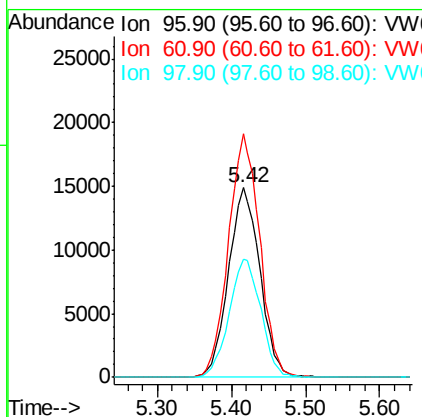
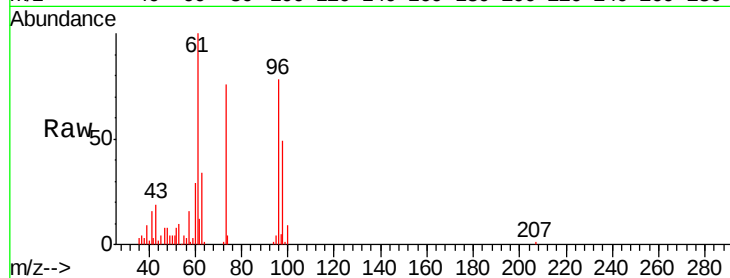
Tgt Ion: 96 Resp: 43956

Ion Ratio Lower Upper

96 100

61 128.5 107.4 161.0

98 62.6 50.8 76.2



#22

Diisopropyl ether

Concen: 17.36 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion: 45 Resp: 114194

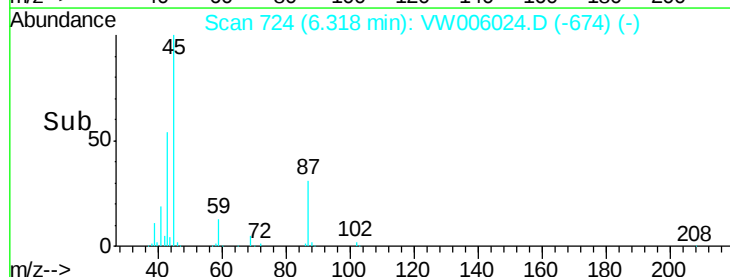
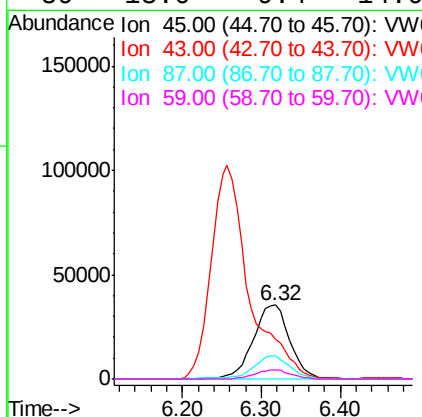
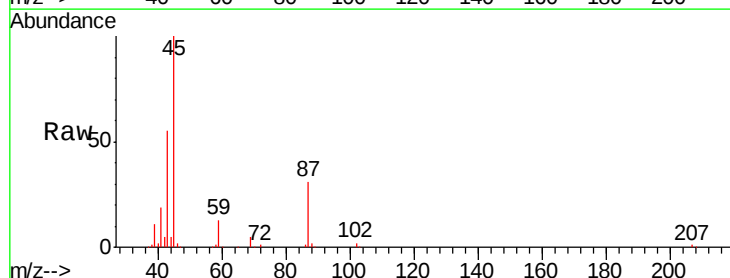
Ion Ratio Lower Upper

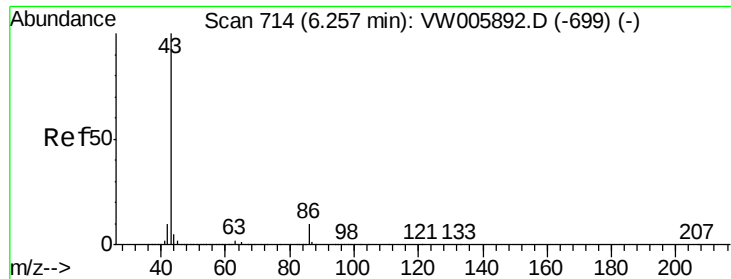
45 100

43 53.5 45.9 68.9

87 30.9 22.2 33.4

59 13.0 9.4 14.0

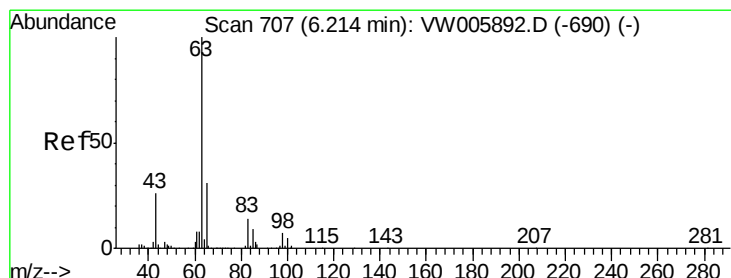
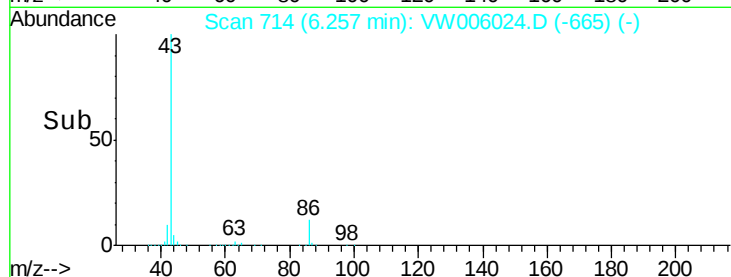
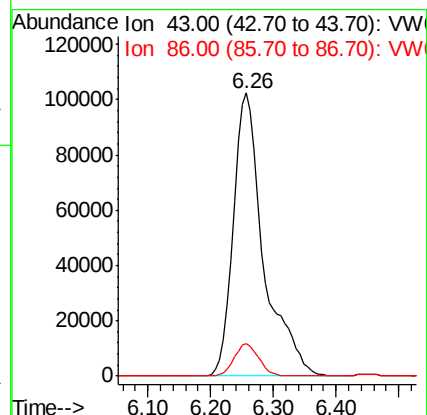
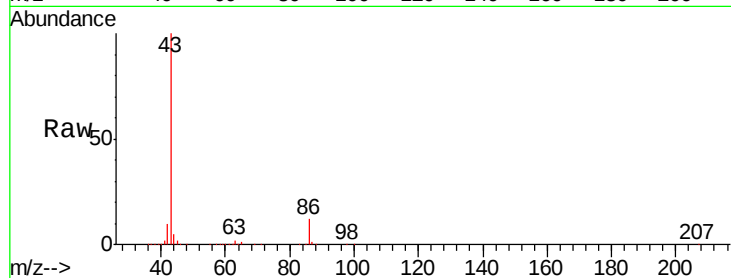




#23
 Vinyl Acetate
 Concen: 84.64 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

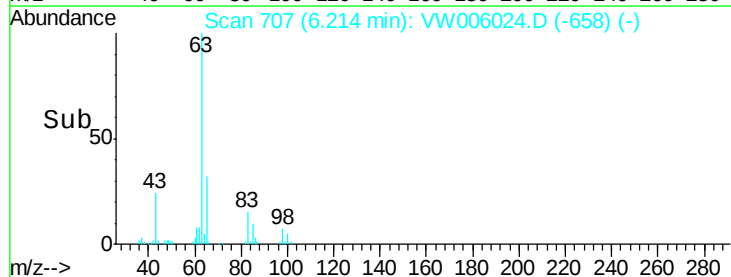
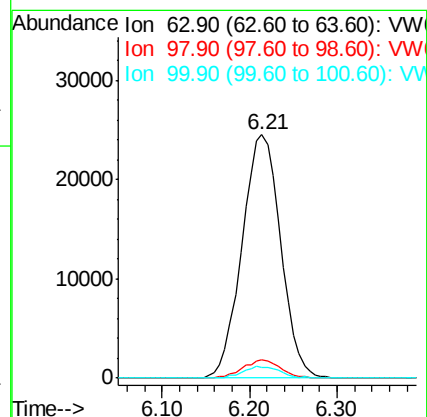
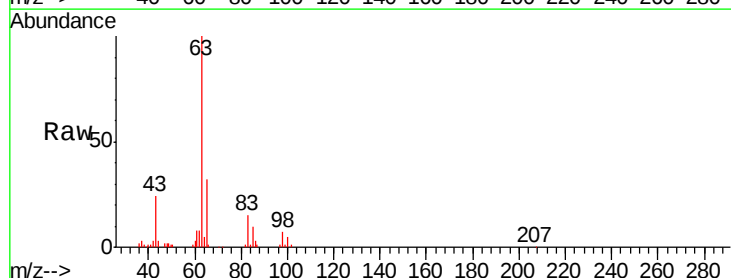
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion: 43 Resp: 342574
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 18.77 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 63 Resp: 75533
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.6
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 94.33 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampled :

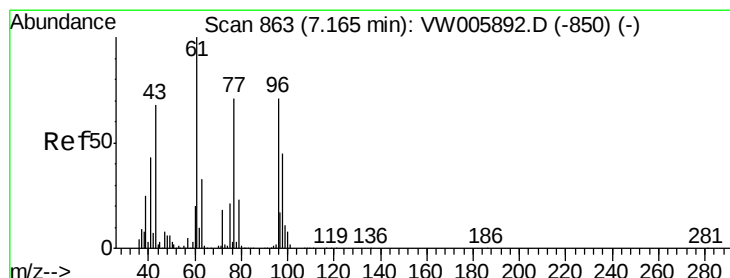
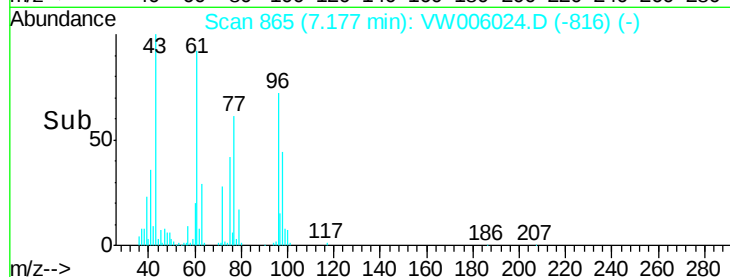
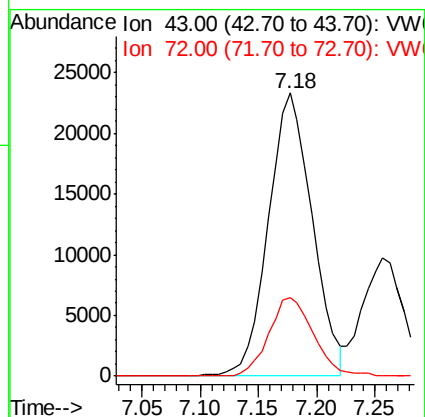
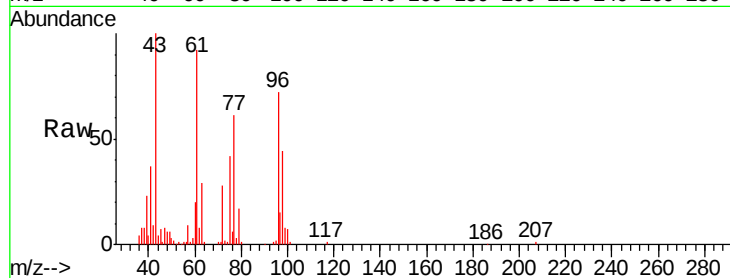
VW1012SBS01

Tgt Ion: 43 Resp: 60966

Ion Ratio Lower Upper

43 100

72 27.8 21.0 31.4



#26

2,2-Dichloropropane

Concen: 17.72 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW006024.D

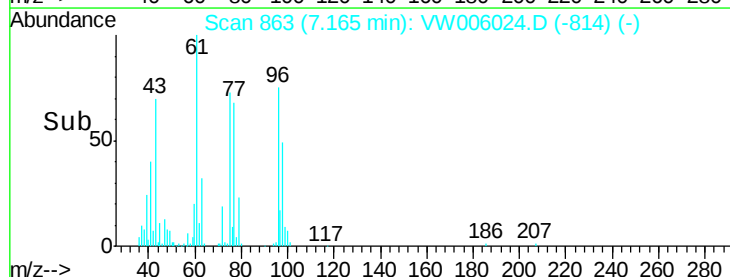
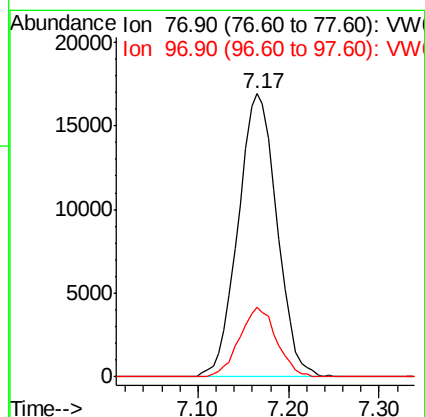
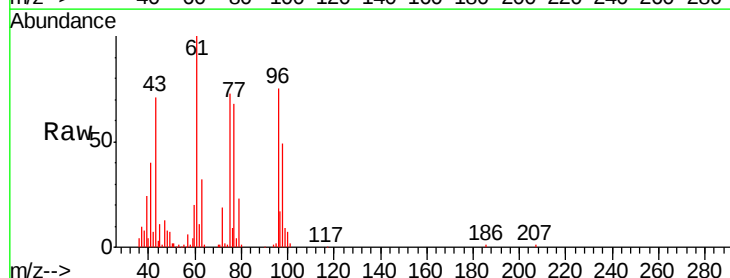
Acq: 11 Oct 2018 11:45

Tgt Ion: 77 Resp: 50184

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.7



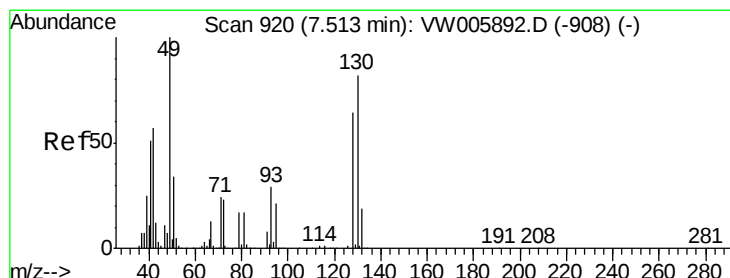
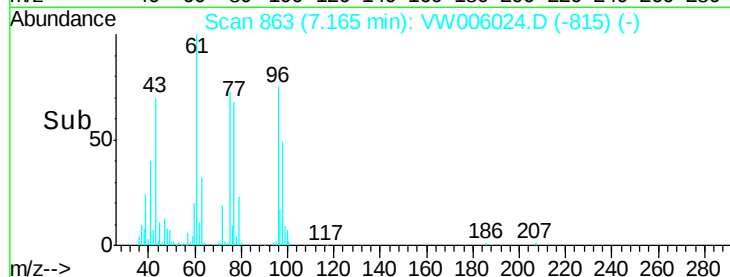
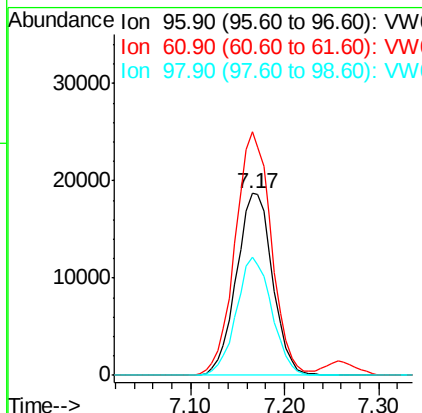
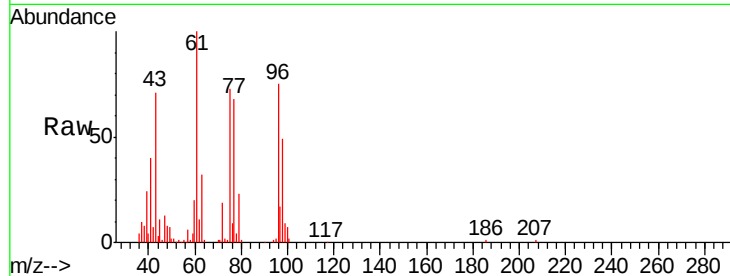


#27

cis-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

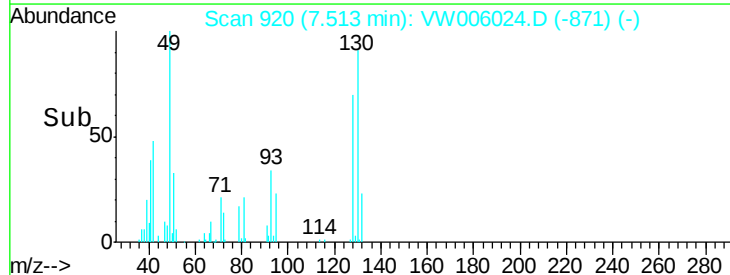
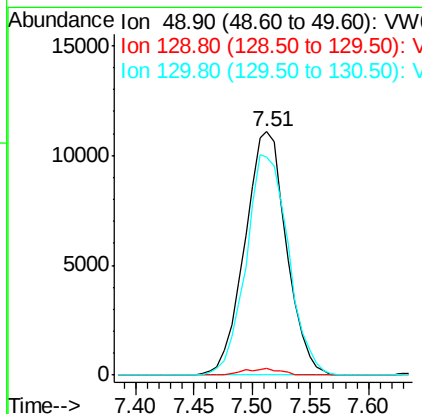
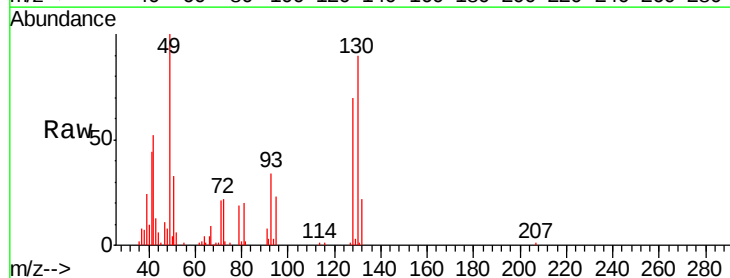
Tgt Ion: 96 Resp: 50150
Ion Ratio Lower Upper
96 100
61 134.0 0.0 284.0
98 63.7 0.0 129.8

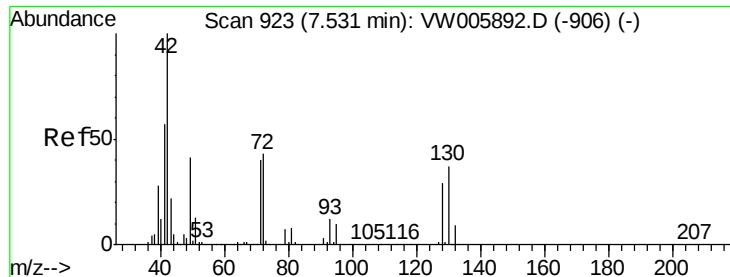


#28

Bromochloromethane
Concen: 18.57 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 49 Resp: 27592
Ion Ratio Lower Upper
49 100
129 2.2 0.0 5.0
130 92.1 66.9 100.3

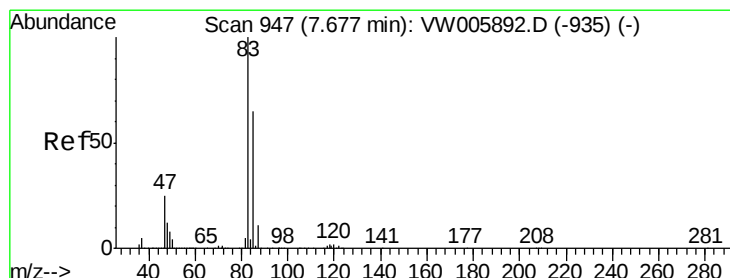
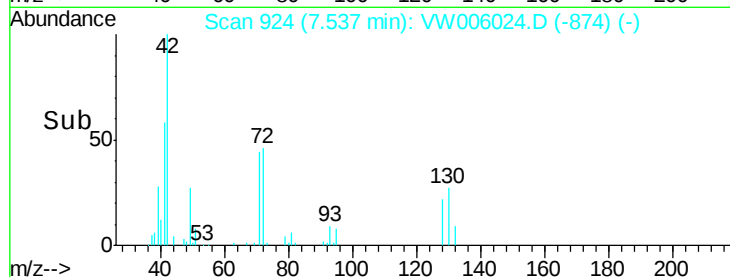
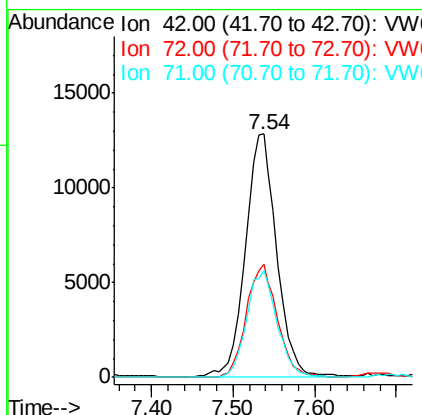
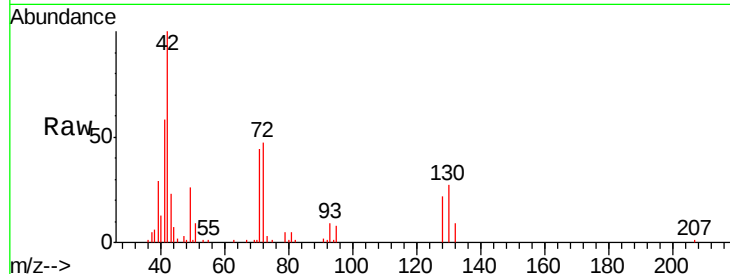




#29
Tetrahydrofuran
Concen: 83.90 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

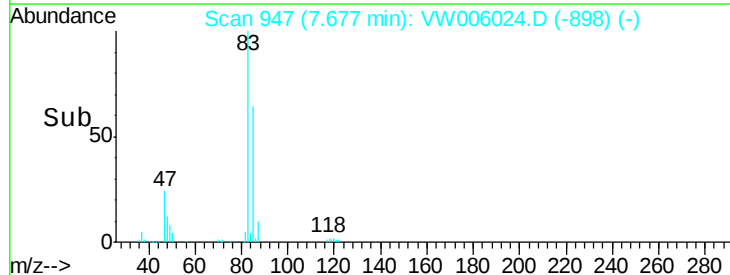
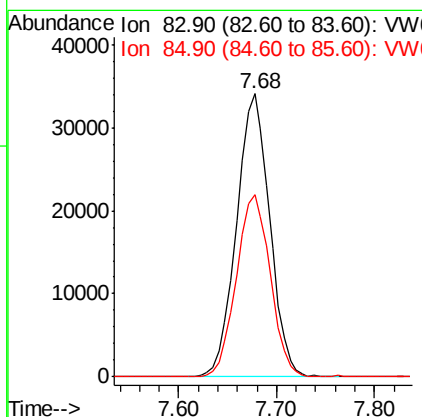
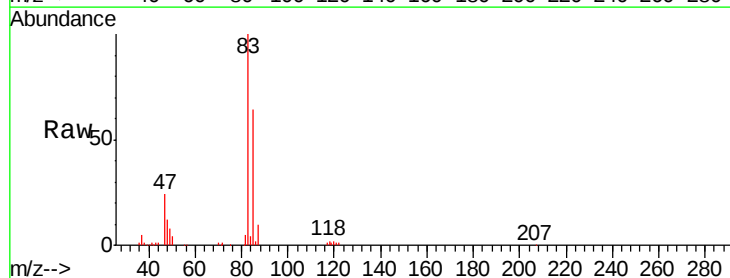
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

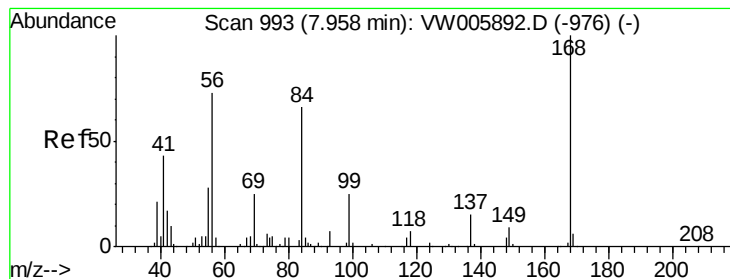
Tgt Ion: 42 Resp: 34277
Ion Ratio Lower Upper
42 100
72 45.7 34.6 51.8
71 42.9 32.6 49.0



#30
Chloroform
Concen: 19.40 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 83 Resp: 80194
Ion Ratio Lower Upper
83 100
85 64.3 51.6 77.4





#31

Cyclohexane

Concen: 17.19 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

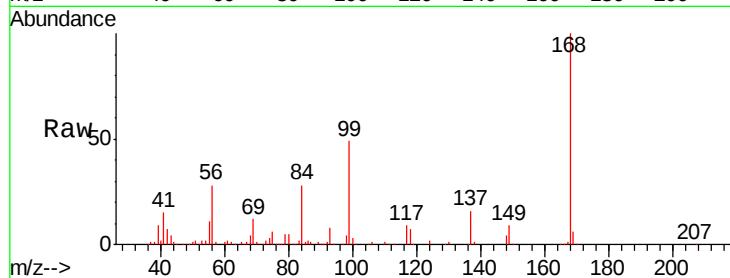
Tgt Ion: 56 Resp: 68461

Ion Ratio Lower Upper

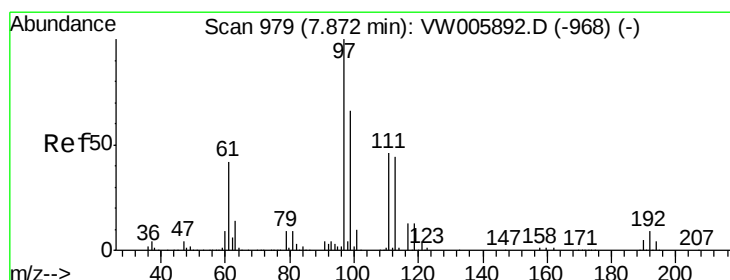
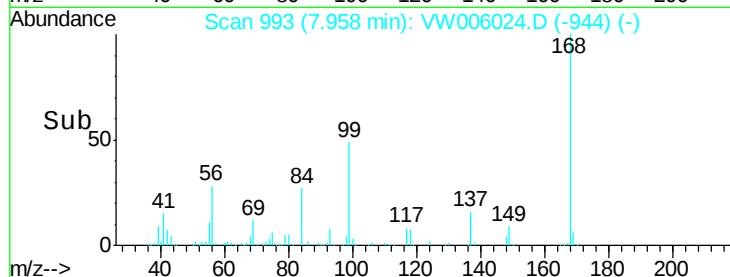
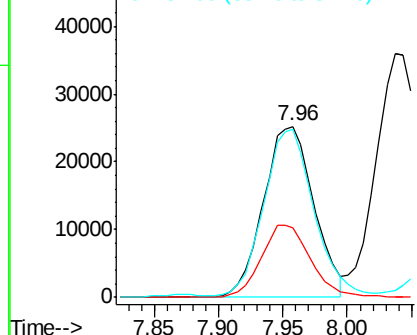
56 100

69 41.0 27.9 41.9

84 96.6 72.3 108.5



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



#32

1,1,1-Trichloroethane

Concen: 18.59 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

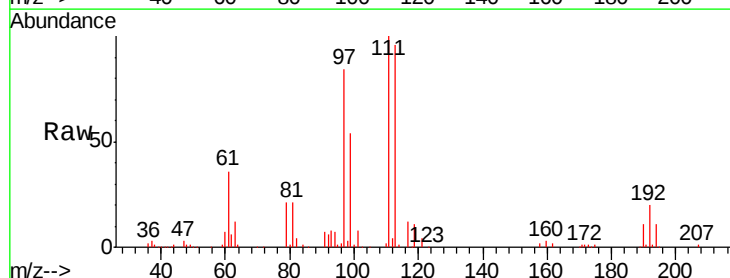
Tgt Ion: 97 Resp: 68446

Ion Ratio Lower Upper

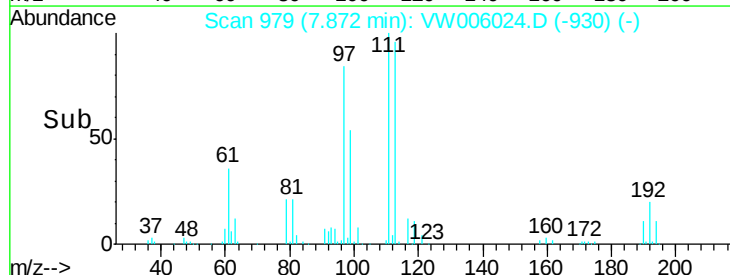
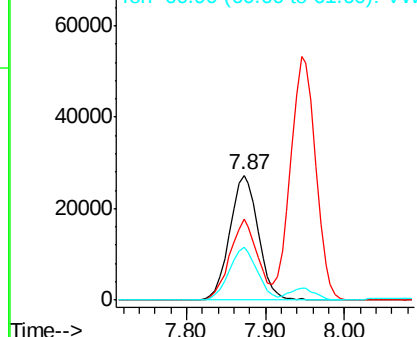
97 100

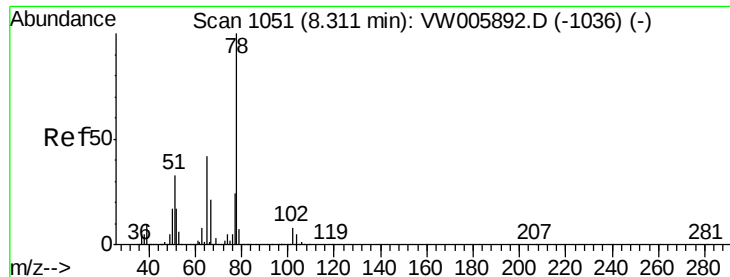
99 63.6 51.6 77.4

61 41.8 34.5 51.7



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

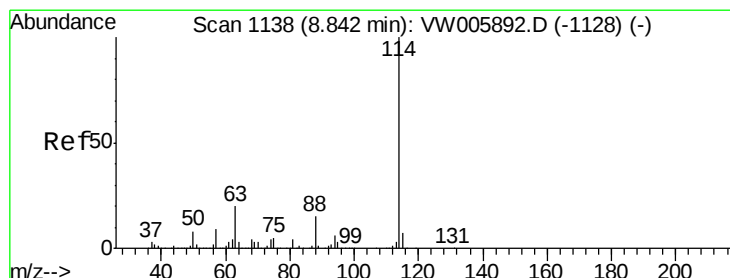
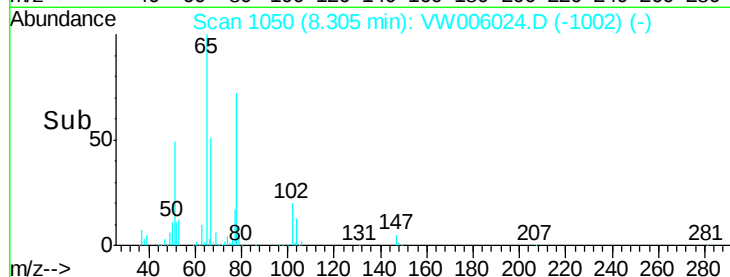
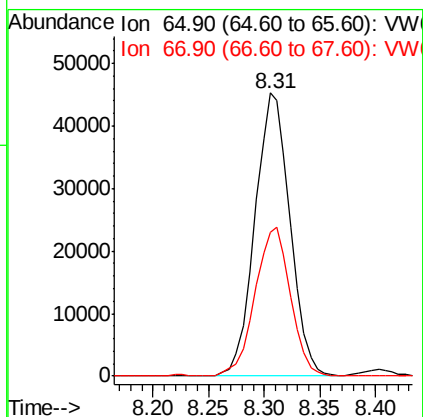
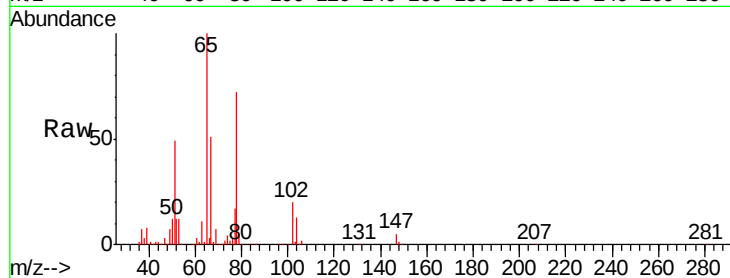




#33
 1,2-Dichloroethane-d4
 Concen: 43.67 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

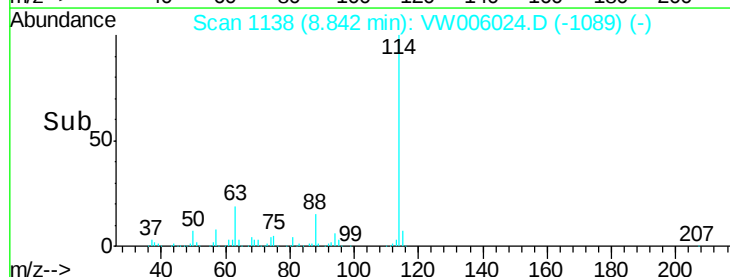
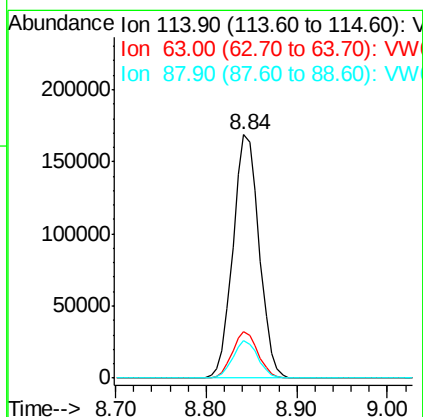
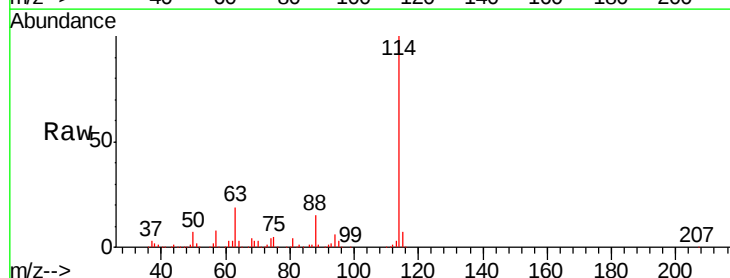
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

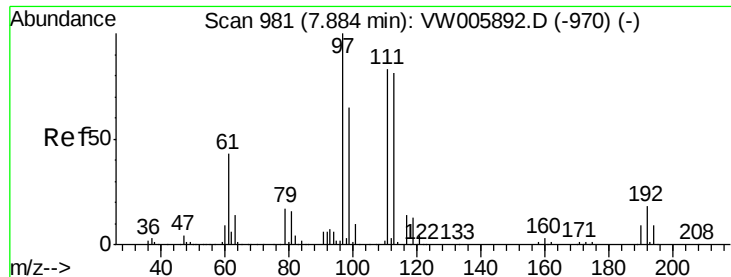
Tgt Ion: 65 Resp: 99350
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 114 Resp: 337147
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.87 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

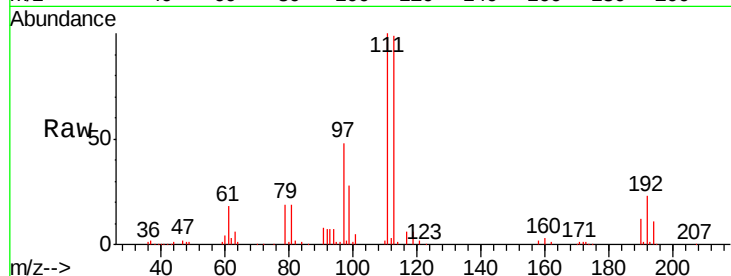
Tgt Ion: 113 Resp: 103050

Ion Ratio Lower Upper

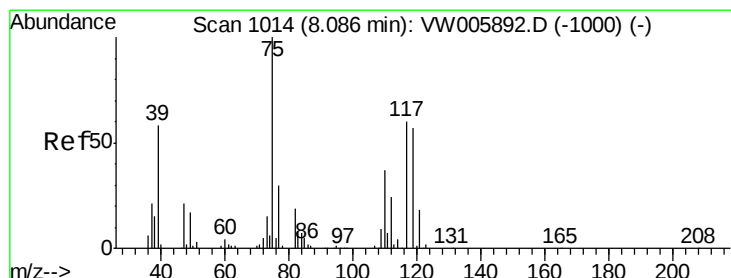
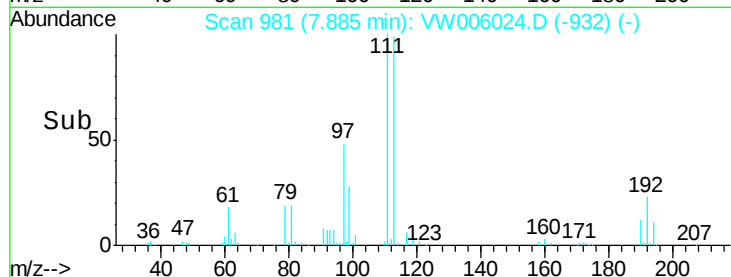
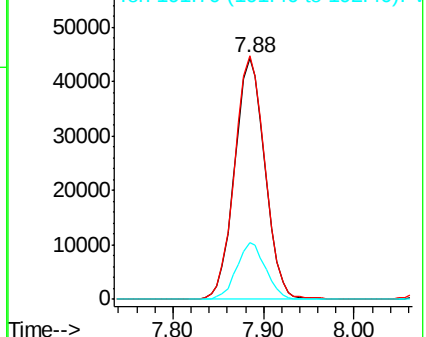
113 100

111 101.5 82.0 123.0

192 22.7 18.3 27.5



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



#36

1,1-Dichloropropene

Concen: 19.88 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

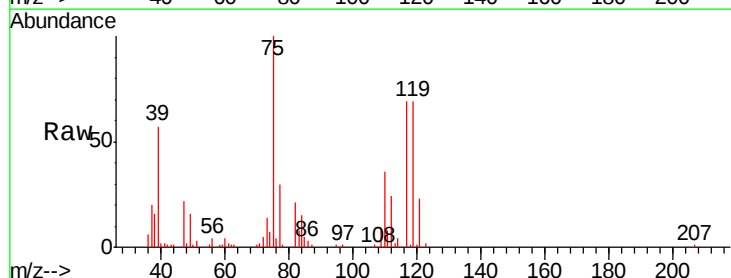
Tgt Ion: 75 Resp: 64215

Ion Ratio Lower Upper

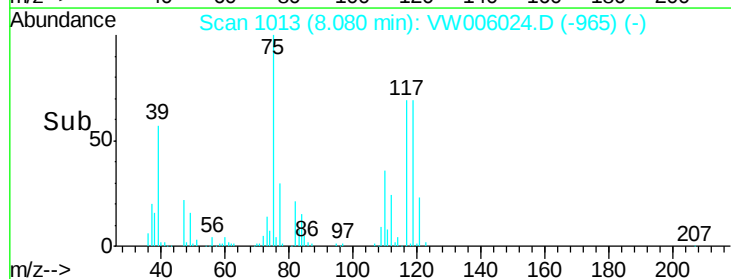
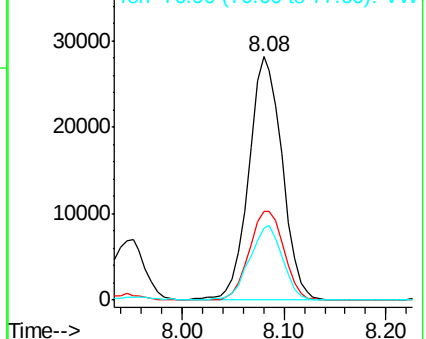
75 100

110 37.7 18.6 56.0

77 30.5 24.7 37.1



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

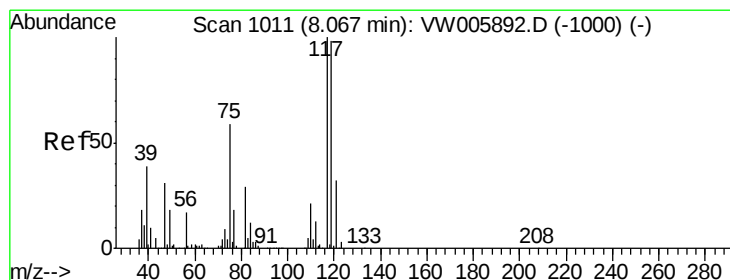
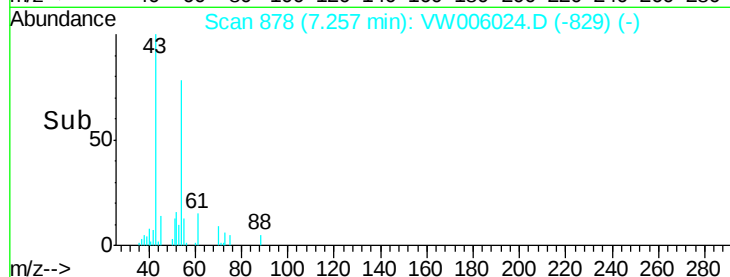
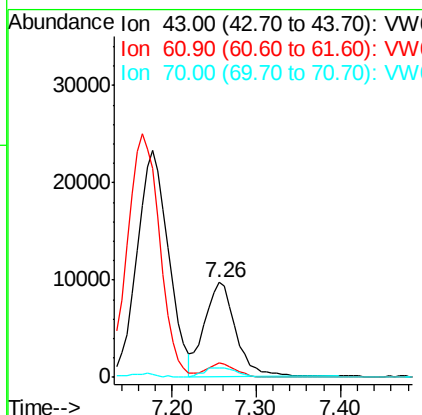
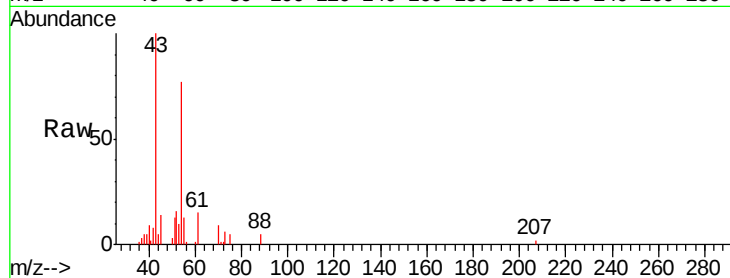




#37
Ethyl Acetate
Concen: 18.30 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

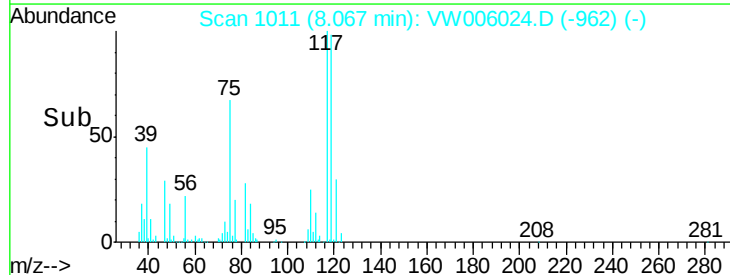
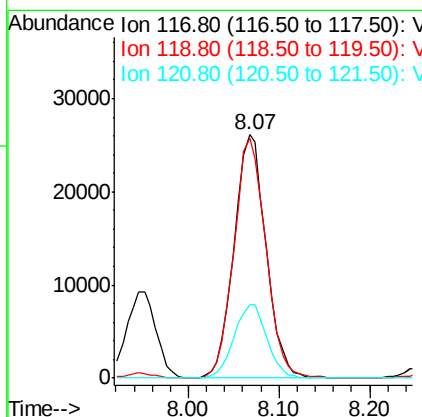
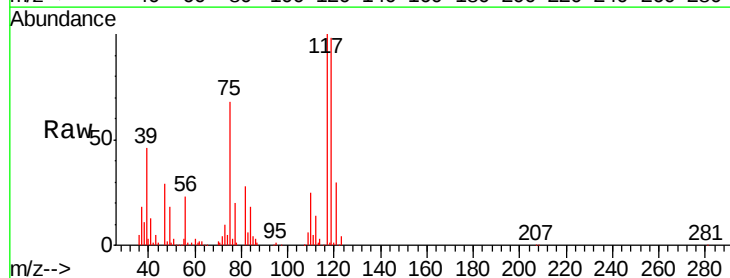
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

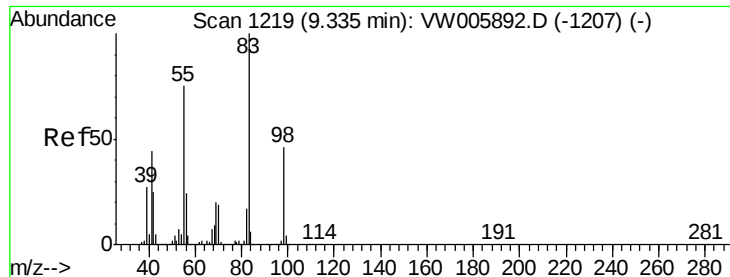
Tgt Ion: 43 Resp: 25039
Ion Ratio Lower Upper
43 100
61 14.1 10.6 16.0
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.48 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 117 Resp: 64141
Ion Ratio Lower Upper
117 100
119 98.3 78.6 117.8
121 30.2 25.3 37.9





#39

Methylcyclohexane

Concen: 19.36 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

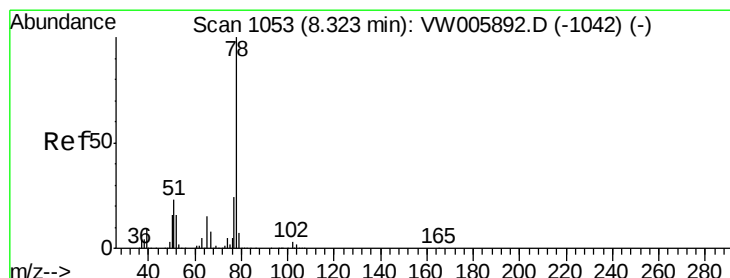
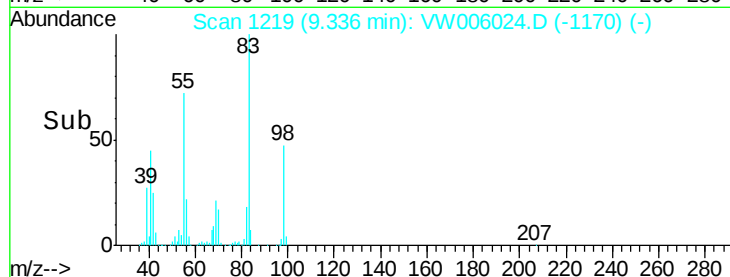
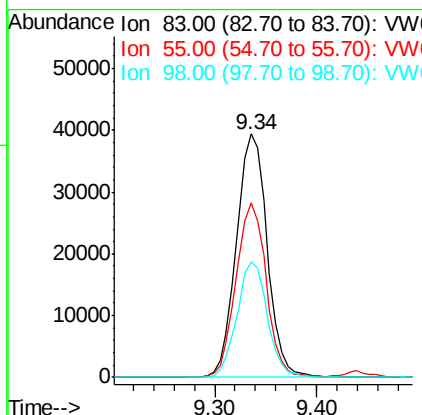
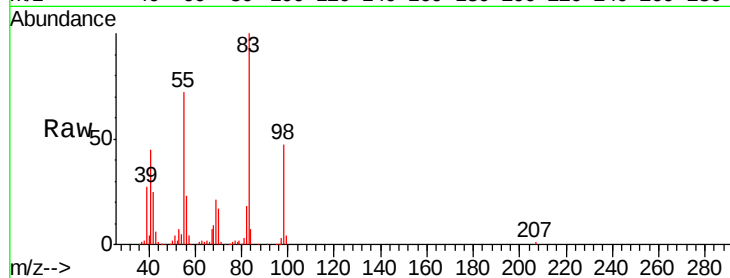
Tgt Ion: 83 Resp: 82508

Ion Ratio Lower Upper

83 100

55 71.4 59.8 89.6

98 47.4 37.1 55.7



#40

Benzene

Concen: 19.81 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW006024.D

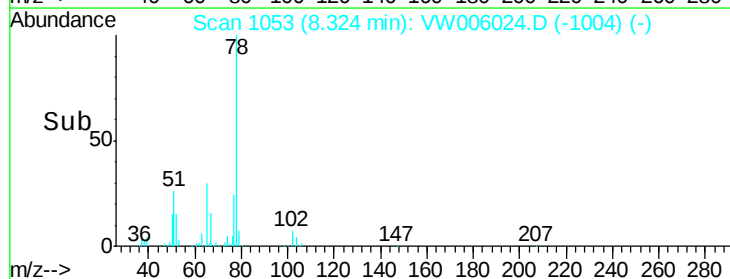
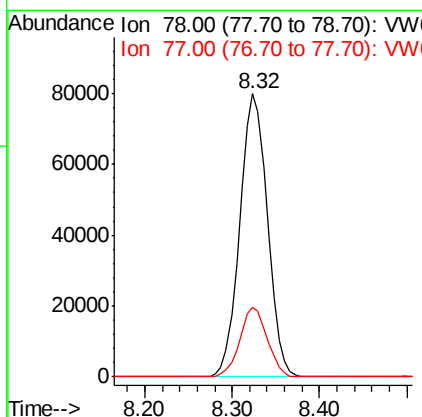
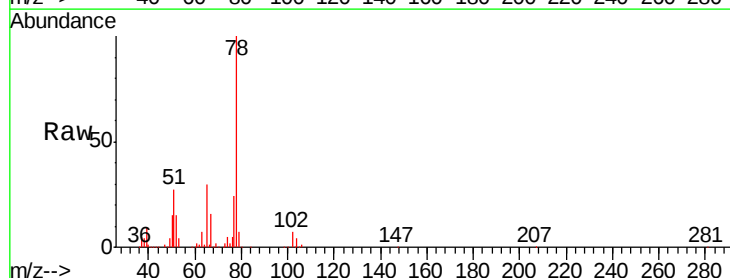
Acq: 11 Oct 2018 11:45

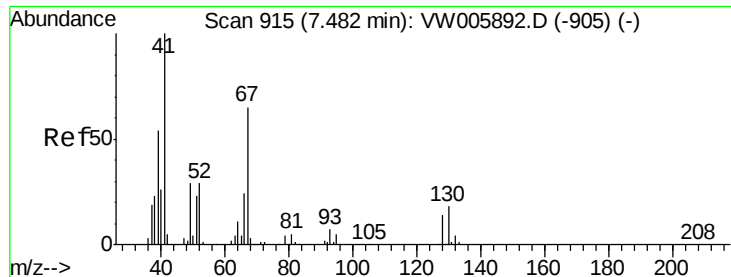
Tgt Ion: 78 Resp: 175194

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7

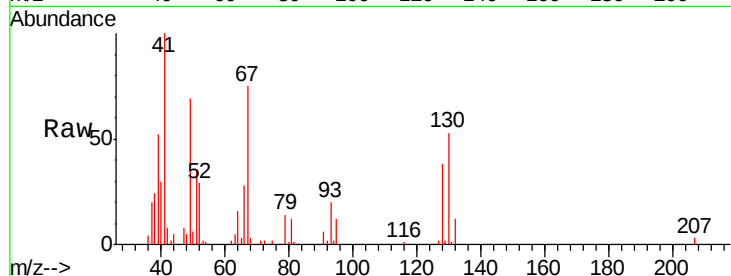




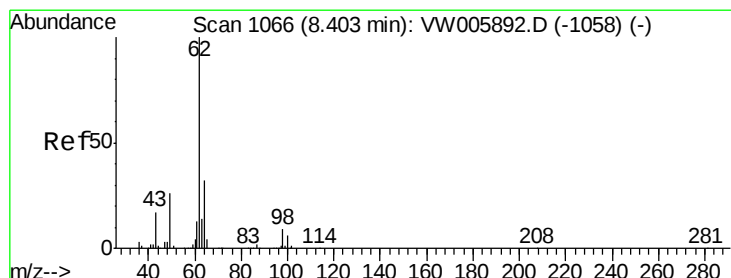
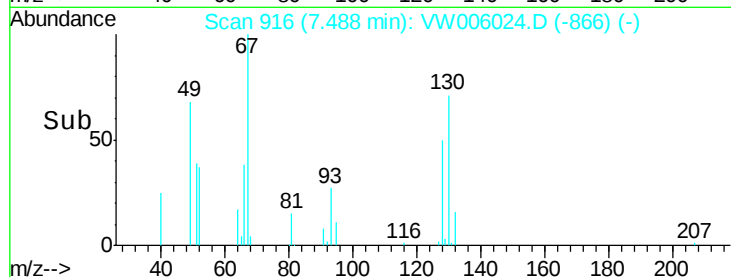
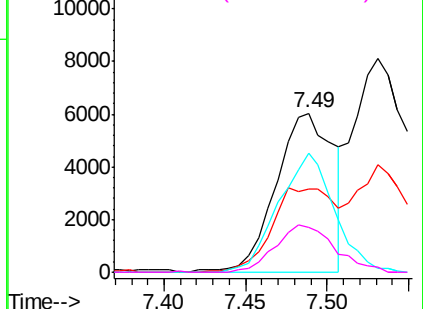
#41
Methacrylonitrile
Concen: 17.24 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion:	41	Resp:	14770
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.0	67.4
67	72.9	55.8	83.8
52	30.6	25.3	37.9

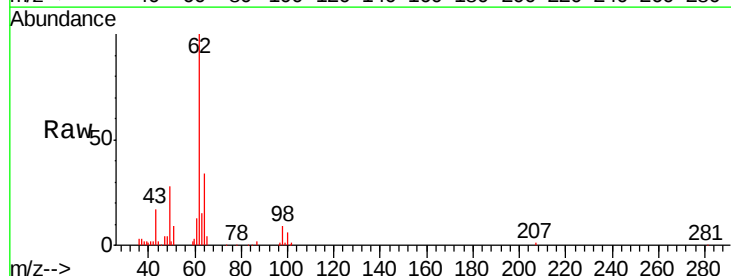


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

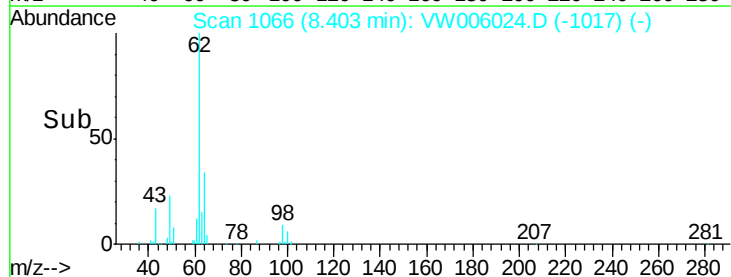
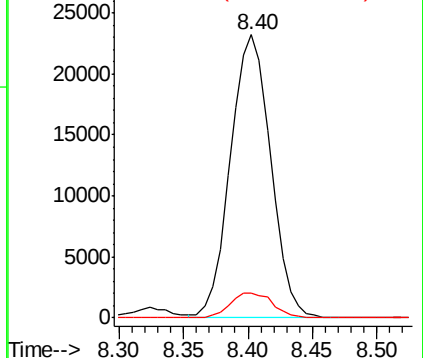


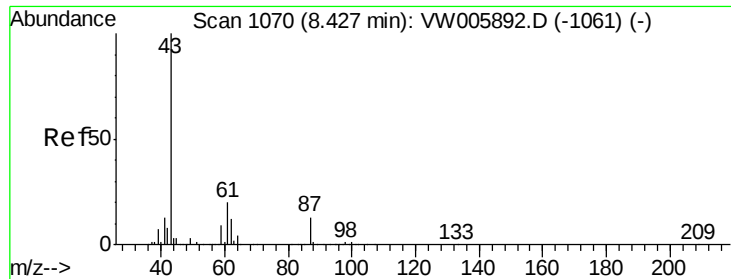
#42
1,2-Dichloroethane
Concen: 18.88 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:	62	Resp:	50437
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 17.15 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

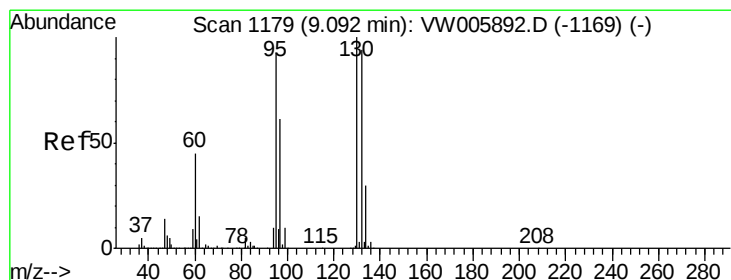
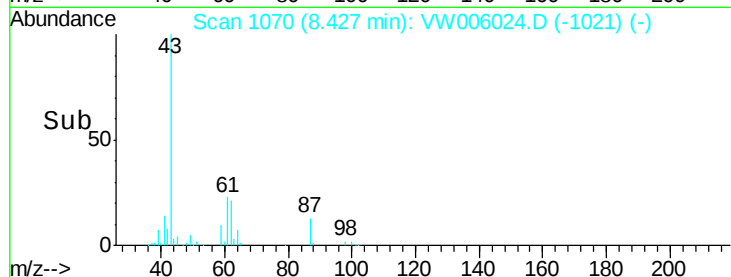
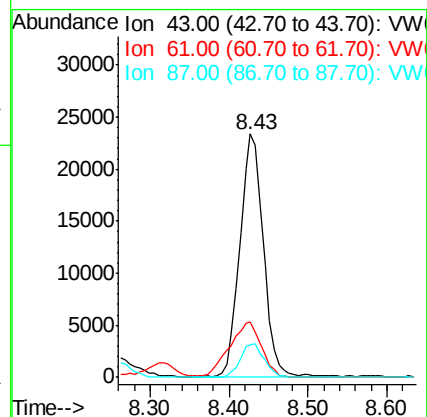
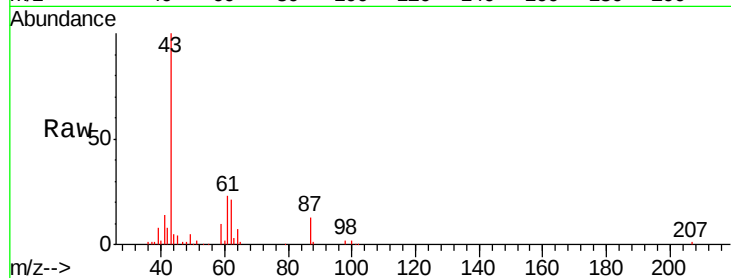
Tgt Ion: 43 Resp: 48997

Ion Ratio Lower Upper

43 100

61 30.7 23.1 34.7

87 13.9 10.7 16.1



#44

Trichloroethene

Concen: 20.72 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006024.D

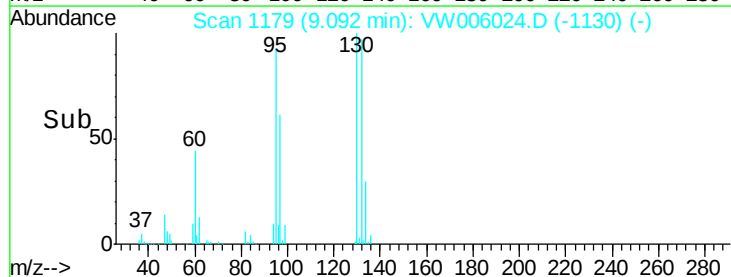
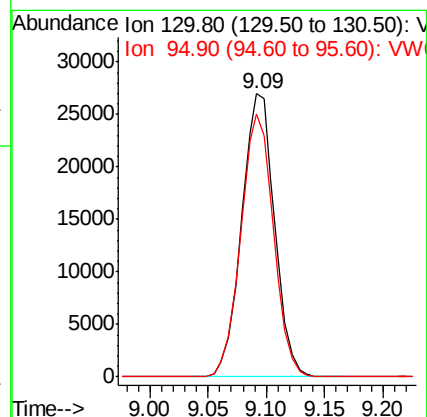
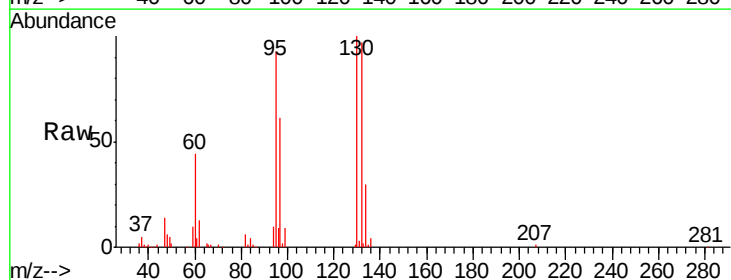
Acq: 11 Oct 2018 11:45

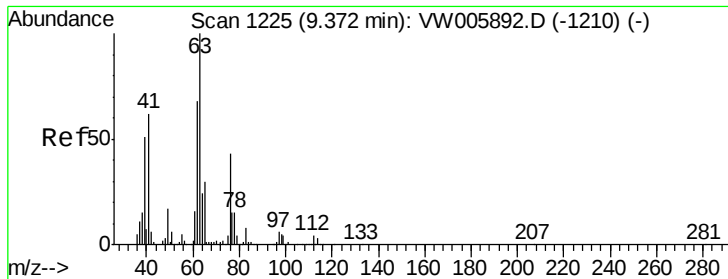
Tgt Ion: 130 Resp: 53154

Ion Ratio Lower Upper

130 100

95 93.1 0.0 185.6





#45

1,2-Dichloropropane

Concen: 18.97 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

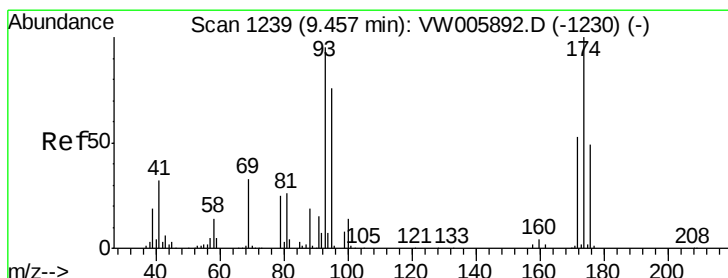
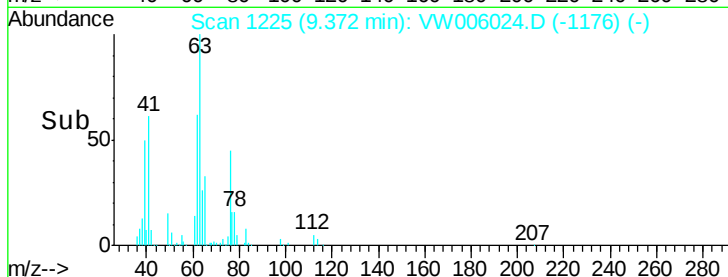
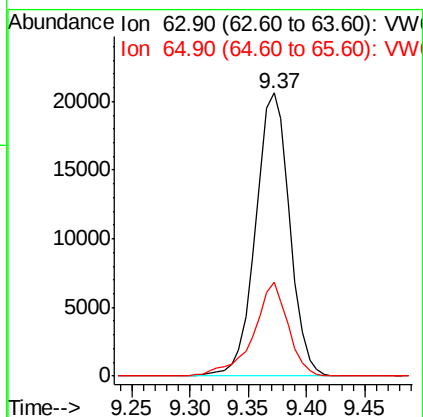
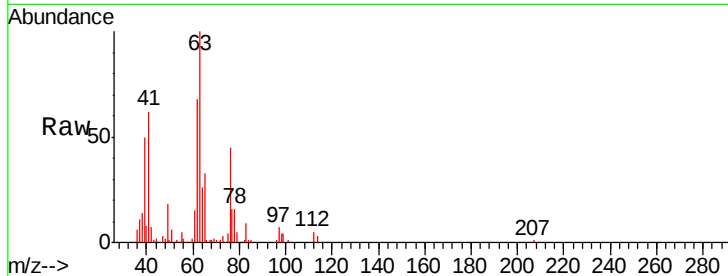
VW1012SBS01

Tgt Ion: 63 Resp: 41979

Ion Ratio Lower Upper

63 100

65 33.3 24.3 36.5



#46

Dibromomethane

Concen: 19.43 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

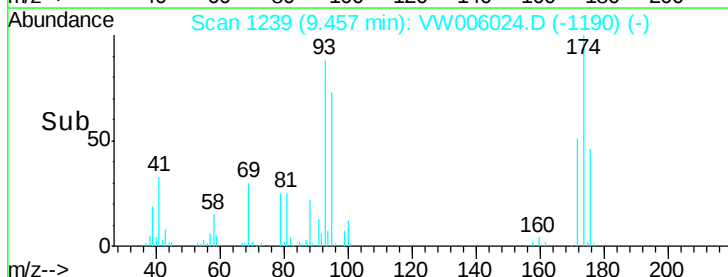
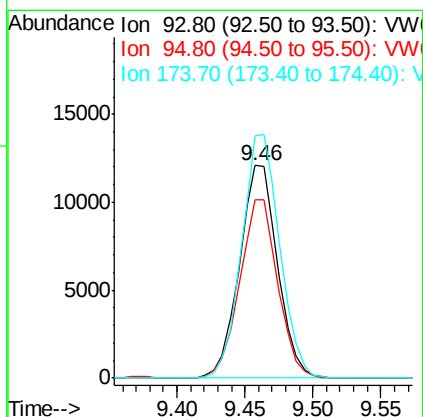
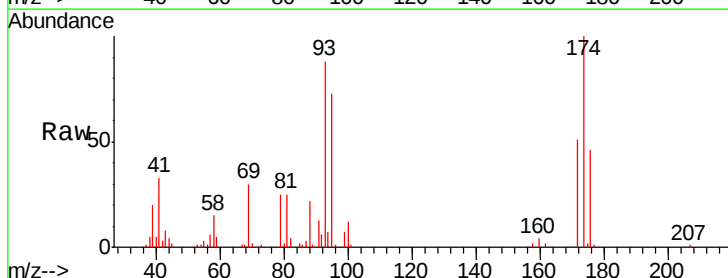
Tgt Ion: 93 Resp: 23635

Ion Ratio Lower Upper

93 100

95 83.5 66.6 99.8

174 114.7 90.4 135.6





#47

Bromodichloromethane

Concen: 18.38 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

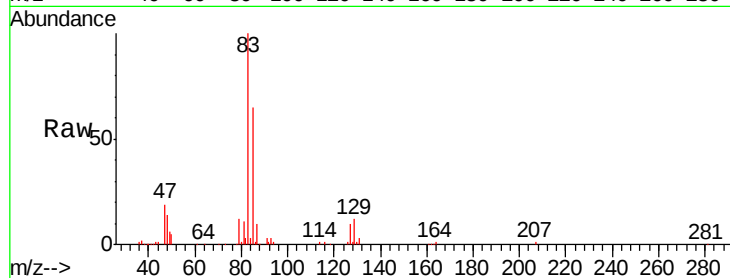
Tgt Ion: 83 Resp: 56254

Ion Ratio Lower Upper

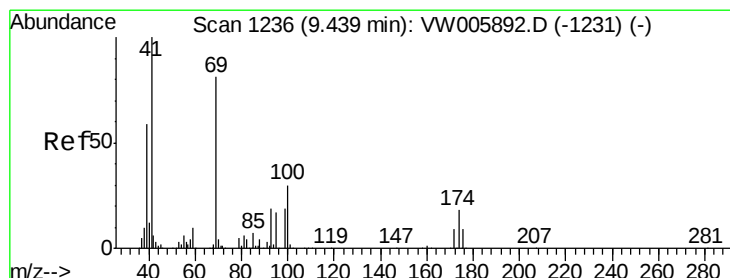
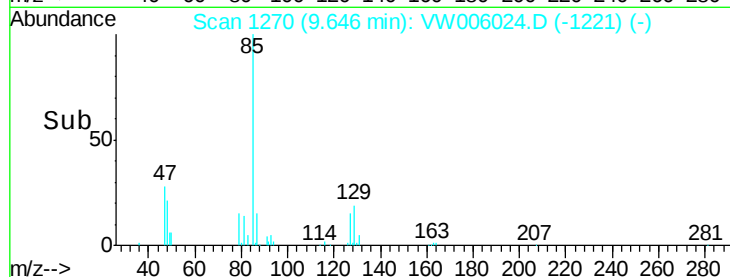
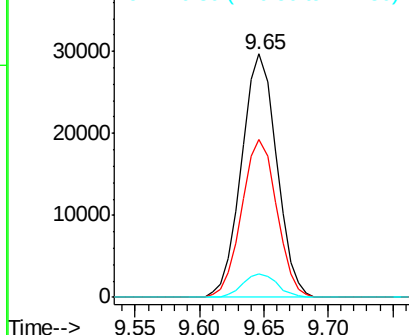
83 100

85 65.0 53.0 79.6

127 9.8 7.4 11.0



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



#48

Methyl methacrylate

Concen: 16.65 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

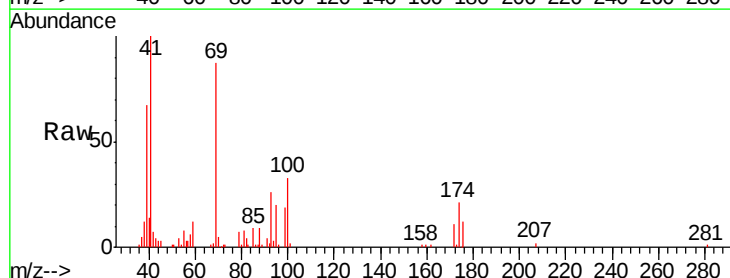
Tgt Ion: 41 Resp: 22664

Ion Ratio Lower Upper

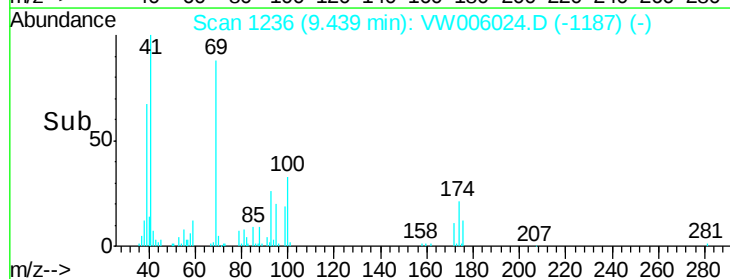
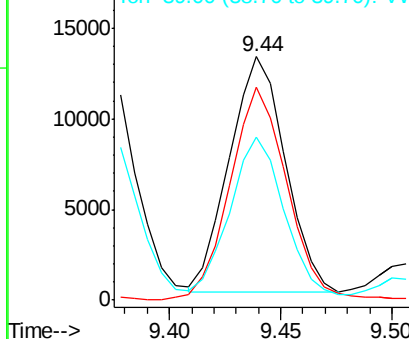
41 100

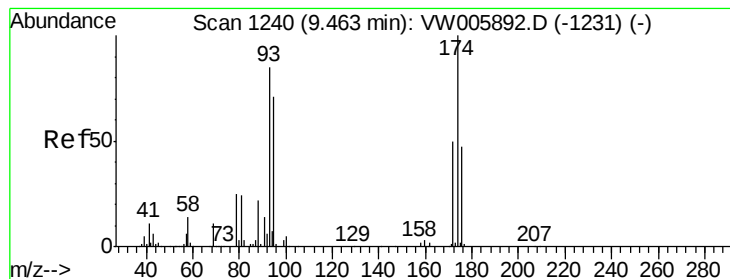
69 93.1 68.7 103.1

39 64.3 50.0 75.0



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





#49

1,4-Dioxane

Concen: 400.45 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

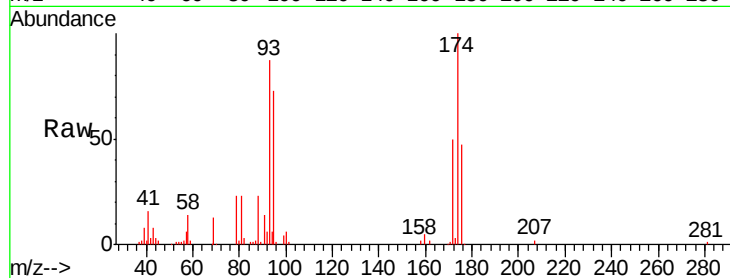
Tgt Ion: 88 Resp: 7399

Ion Ratio Lower Upper

88 100

43 29.2 0.0 0.0#

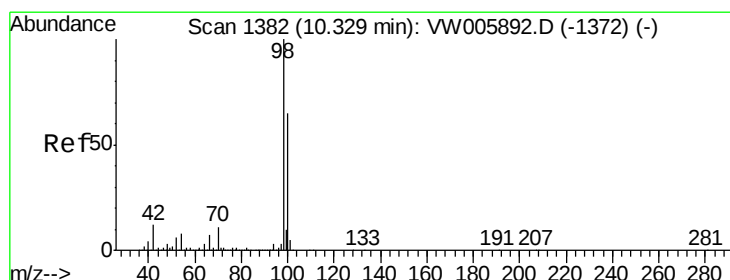
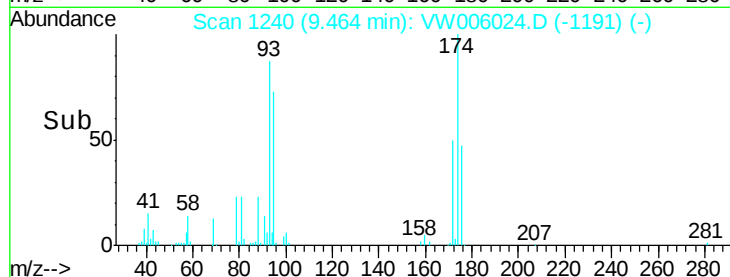
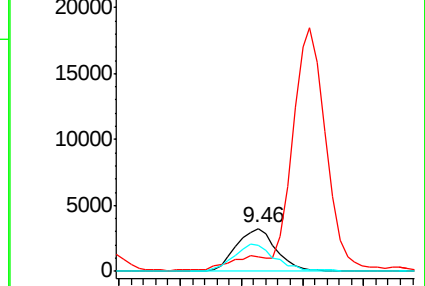
58 66.1 57.7 86.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.89 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006024.D

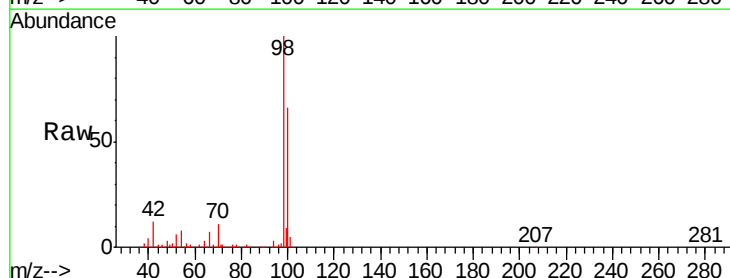
Acq: 11 Oct 2018 11:45

Tgt Ion: 98 Resp: 396615

Ion Ratio Lower Upper

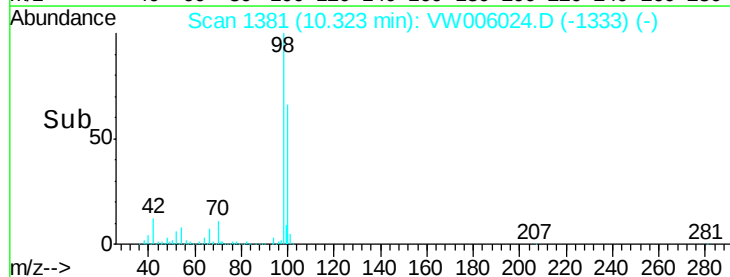
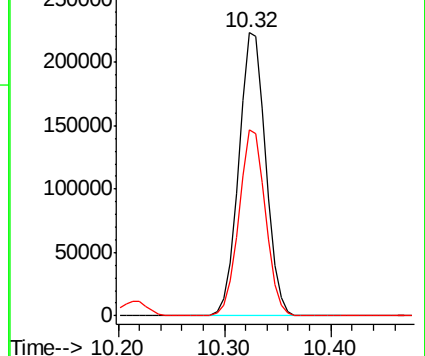
98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

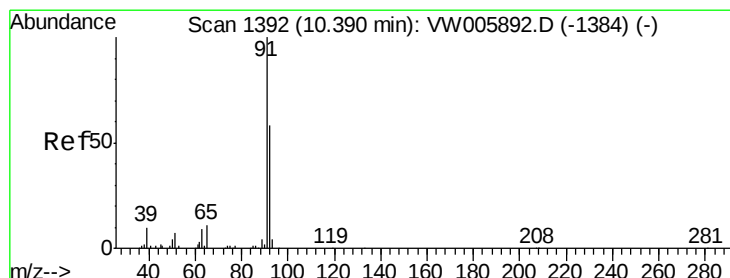
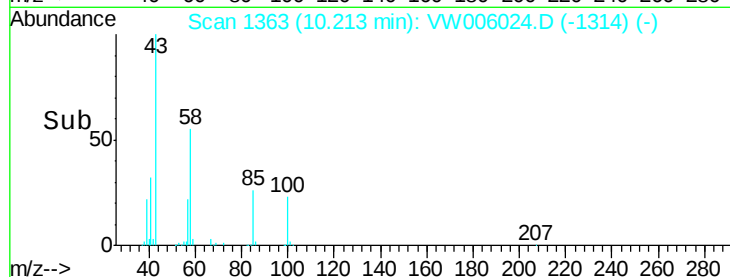
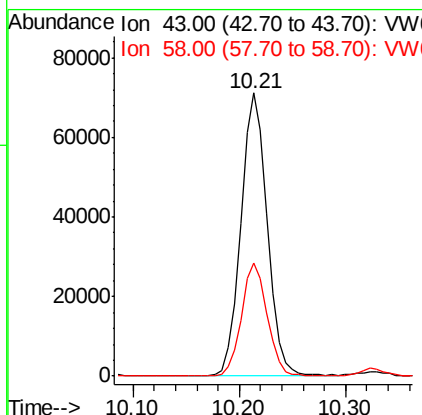
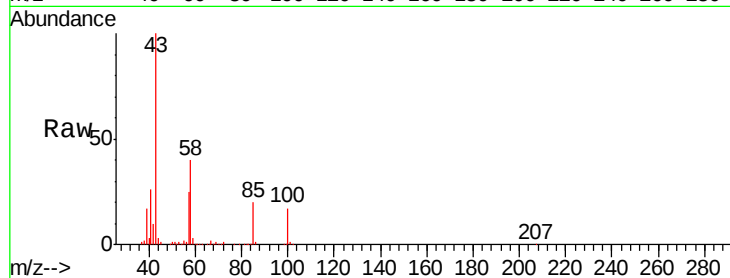




#51
 4-Methyl-2-Pentanone
 Concen: 88.53 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

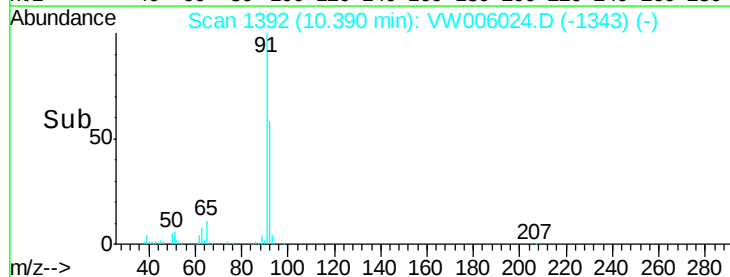
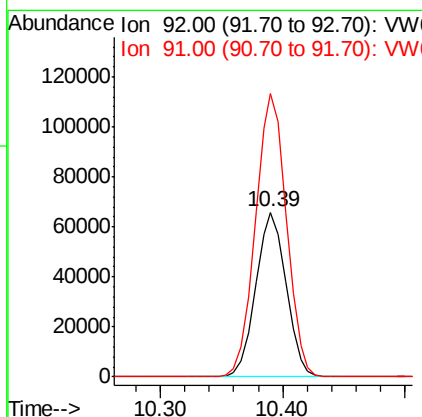
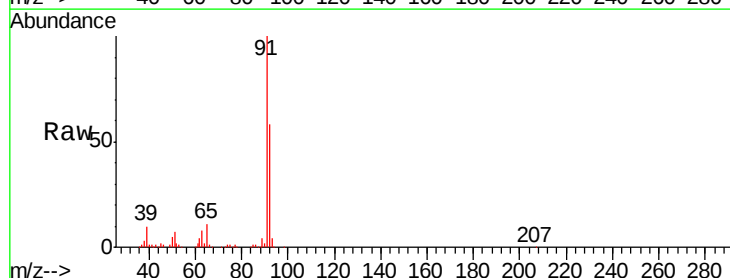
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

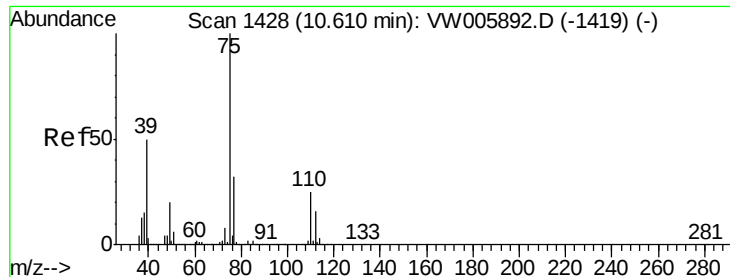
Tgt Ion: 43 Resp: 123196
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.2 45.4



#52
 Toluene
 Concen: 19.64 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 92 Resp: 114102
 Ion Ratio Lower Upper
 92 100
 91 174.8 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 16.90 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

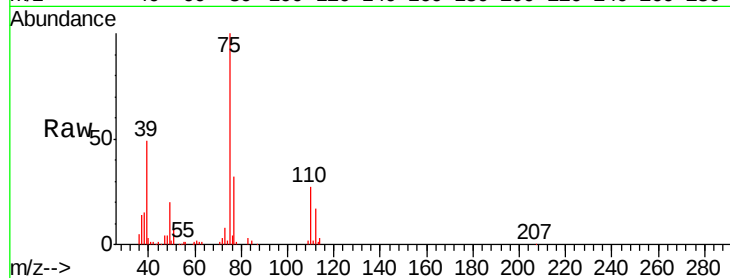
VW1012SBS01

Tgt Ion: 75 Resp: 54052

Ion Ratio Lower Upper

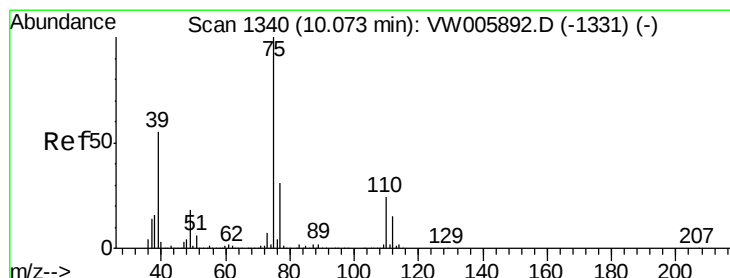
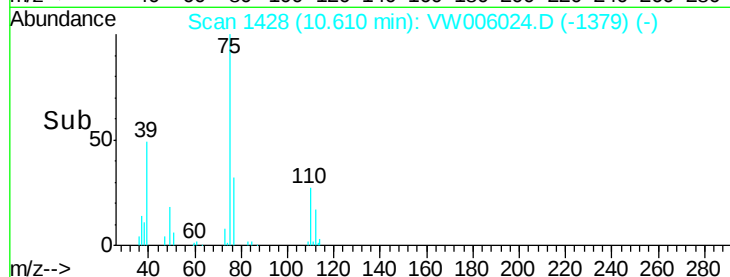
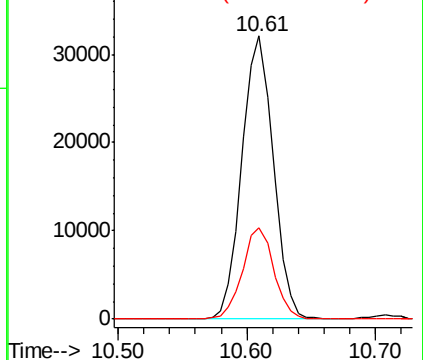
75 100

77 32.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 17.75 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

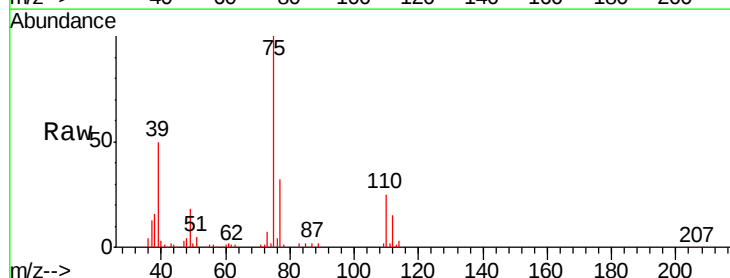
Tgt Ion: 75 Resp: 63815

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

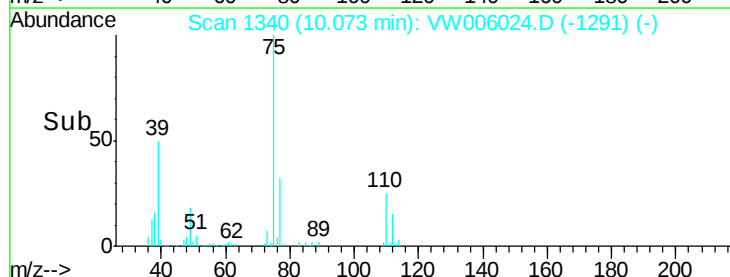
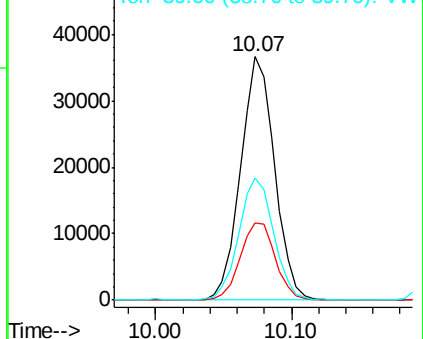
39 50.3 44.2 66.4

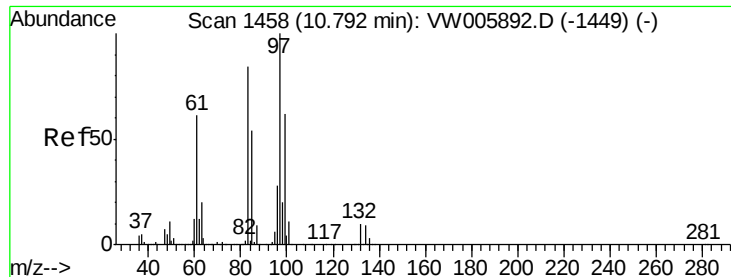


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

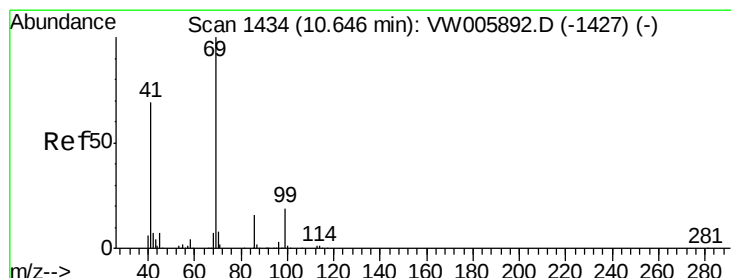
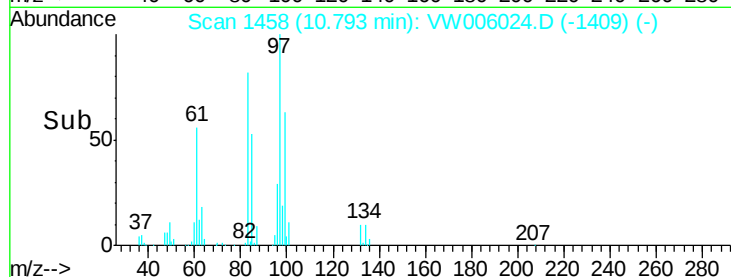
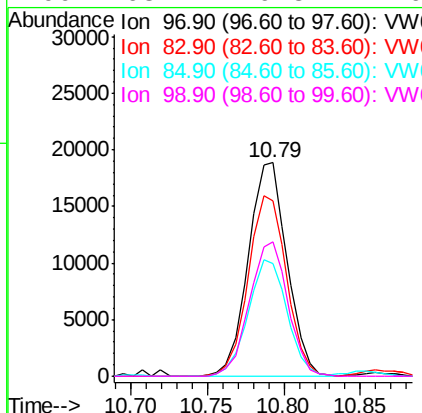
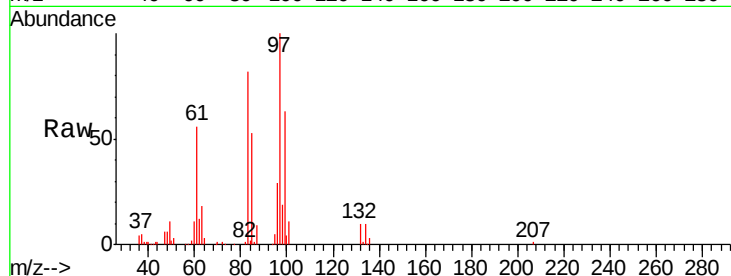




#55
 1,1,2-Trichloroethane
 Concen: 19.79 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

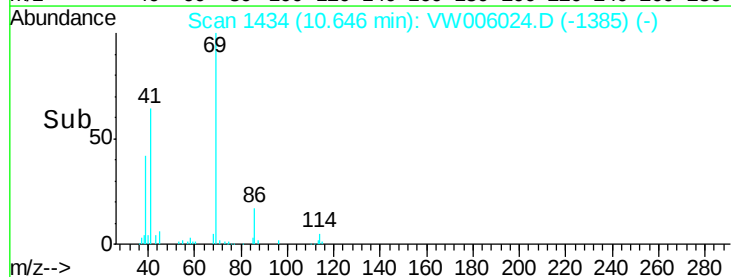
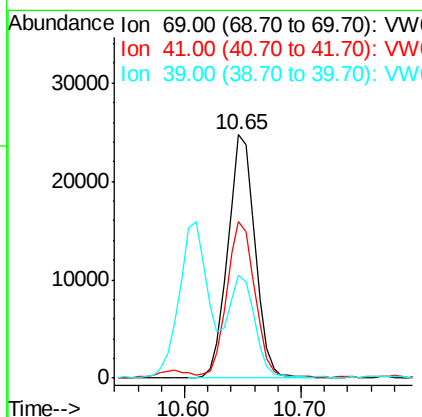
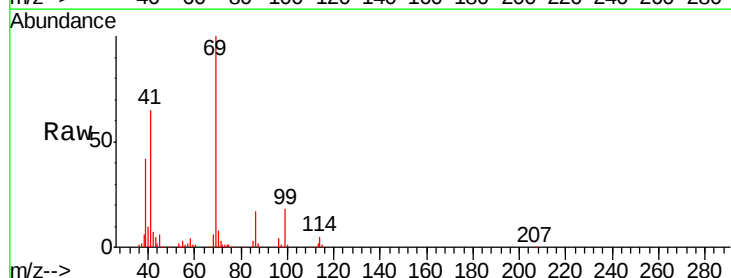
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion:	97	Resp:	33335
Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.9	100.3
85	52.7	43.4	65.0
99	63.2	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 17.81 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion:	69	Resp:	40441
Ion	Ratio	Lower	Upper
69	100		
41	65.5	56.0	84.0
39	40.9	33.5	50.3





#57

1,3-Dichloropropane

Concen: 19.51 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

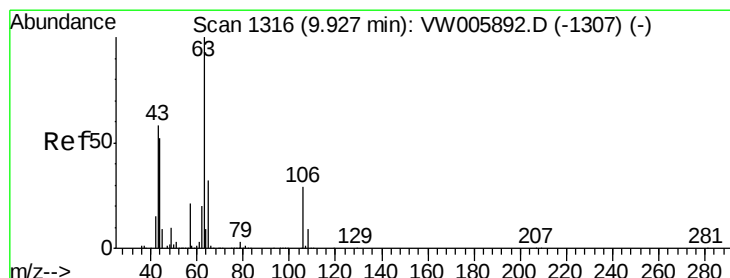
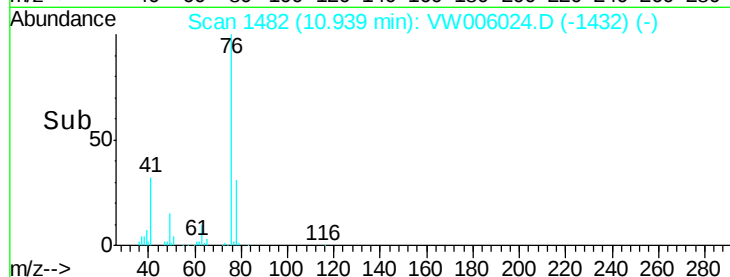
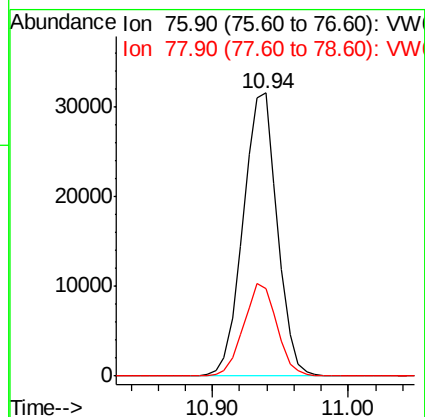
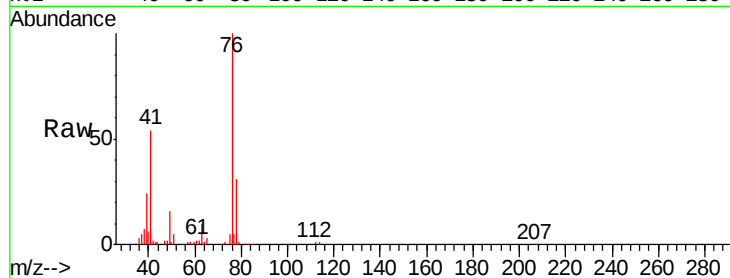
VW1012SBS01

Tgt Ion: 76 Resp: 55301

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 94.38 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006024.D

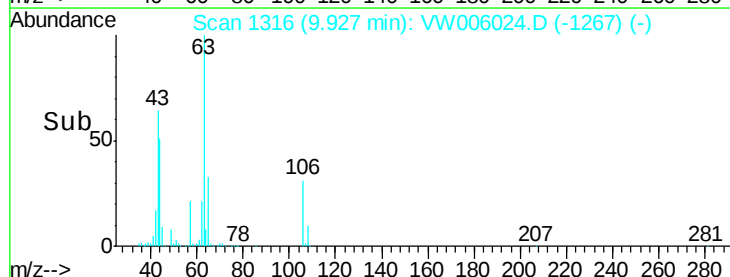
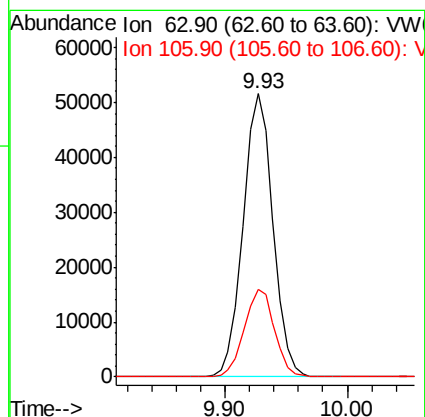
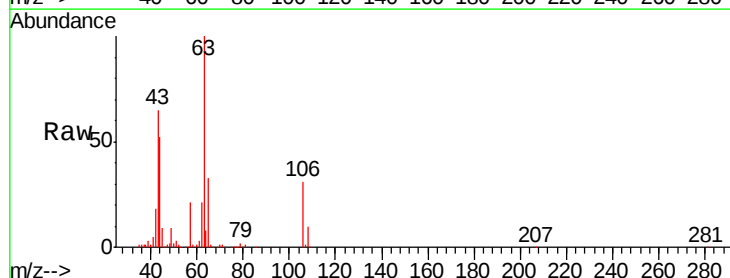
Acq: 11 Oct 2018 11:45

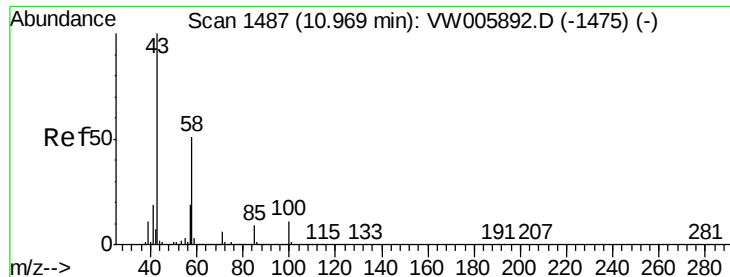
Tgt Ion: 63 Resp: 87206

Ion Ratio Lower Upper

63 100

106 31.2 23.6 35.4





#59

2-Hexanone

Concen: 94.18 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

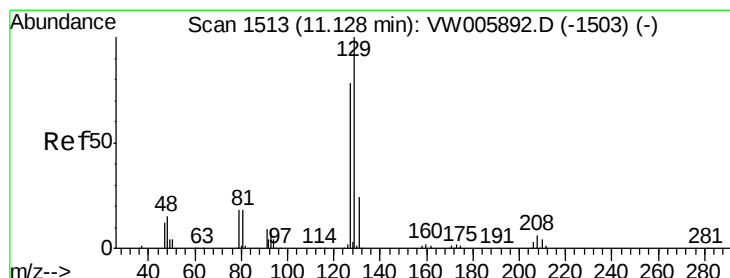
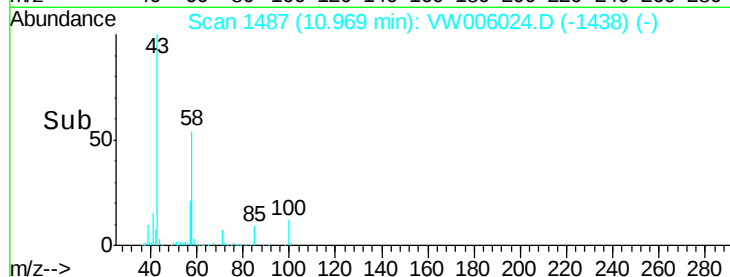
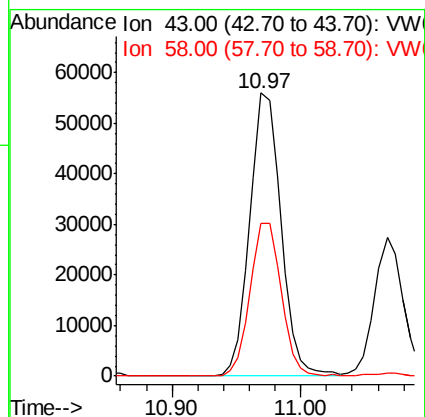
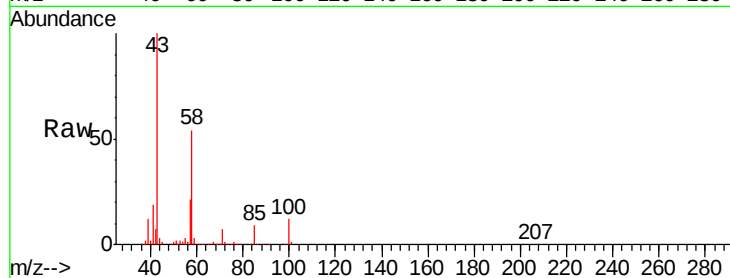
VW1012SBS01

Tgt Ion: 43 Resp: 93977

Ion Ratio Lower Upper

43 100

58 54.1 25.7 77.1



#60

Dibromochloromethane

Concen: 18.23 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW006024.D

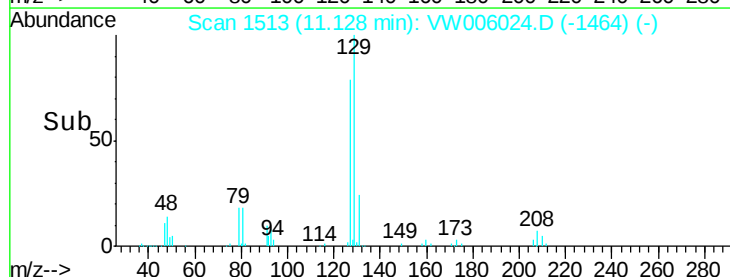
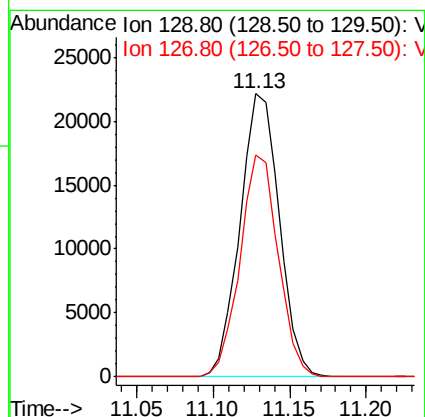
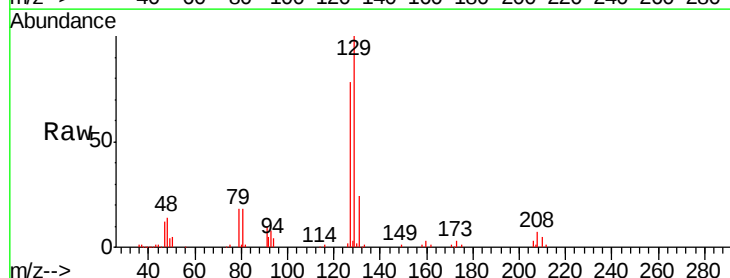
Acq: 11 Oct 2018 11:45

Tgt Ion: 129 Resp: 39624

Ion Ratio Lower Upper

129 100

127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.30 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

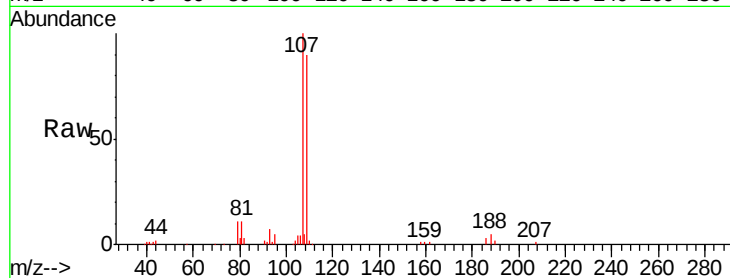
VW1012SBS01

Tgt Ion: 107 Resp: 32489

Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

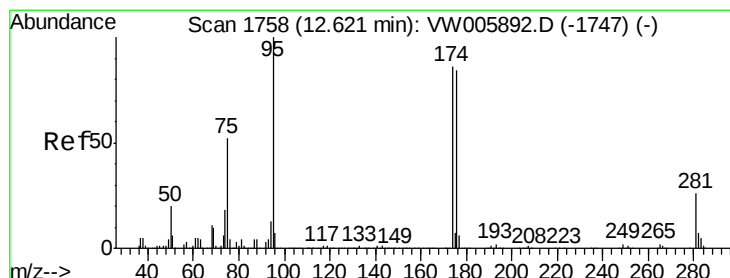
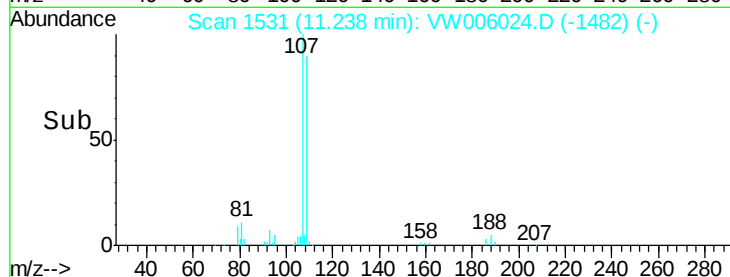
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 45.90 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

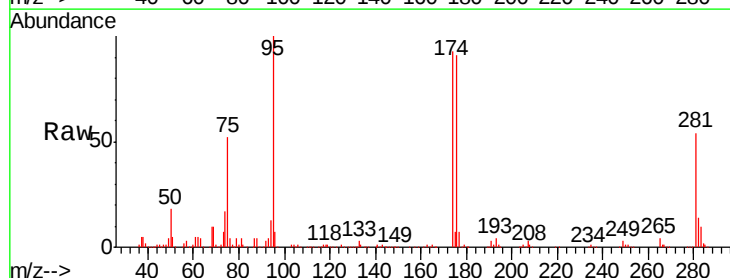
Tgt Ion: 95 Resp: 144631

Ion Ratio Lower Upper

95 100

174 93.6 0.0 176.4

176 91.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

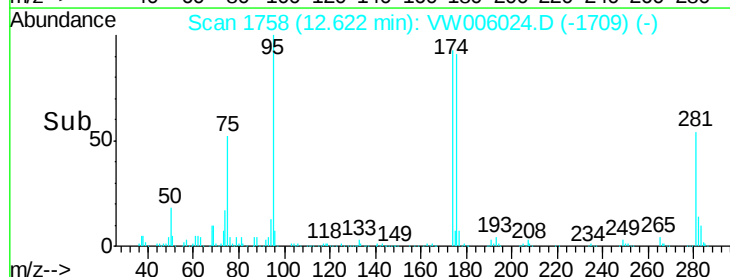
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

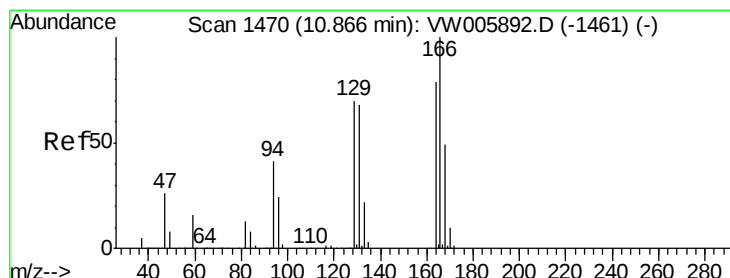
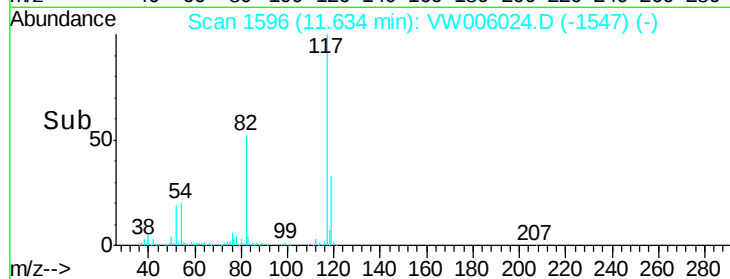
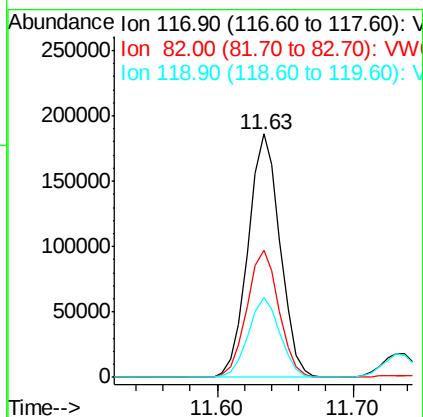
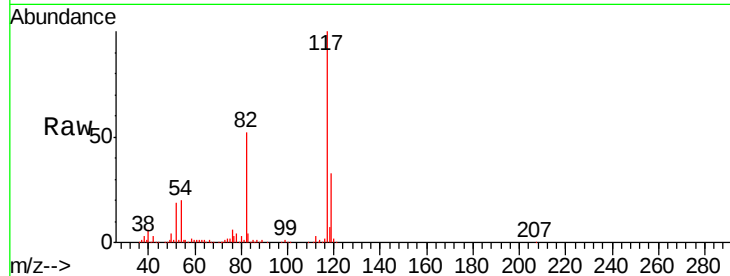




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

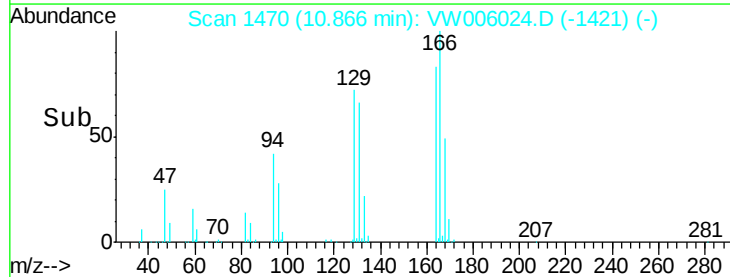
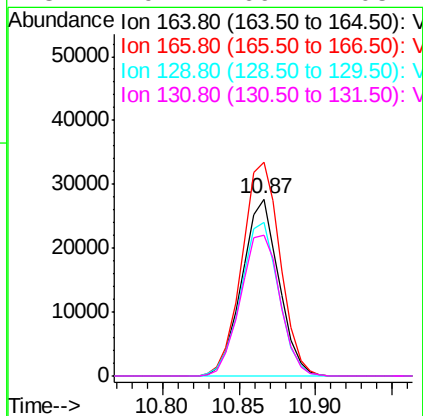
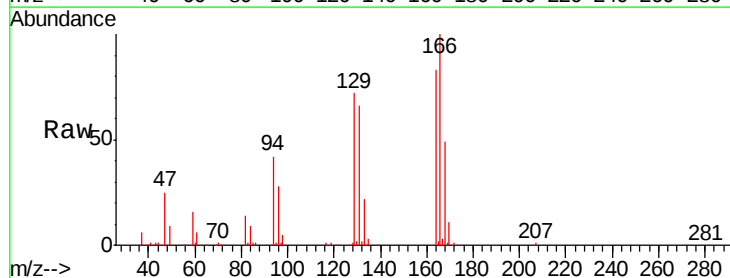
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion:117 Resp: 306837
Ion Ratio Lower Upper
117 100
82 52.3 43.5 65.3
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.26 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:164 Resp: 46313
Ion Ratio Lower Upper
164 100
166 120.7 101.5 152.3
129 86.6 71.1 106.7
131 79.4 69.1 103.7

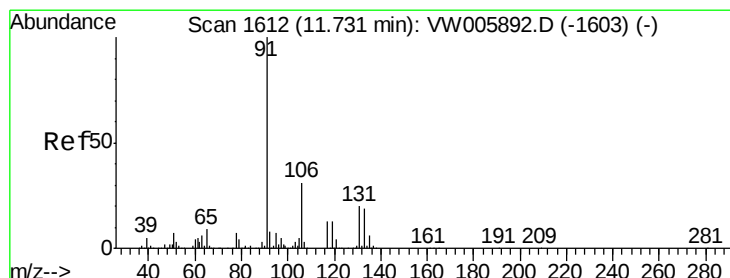
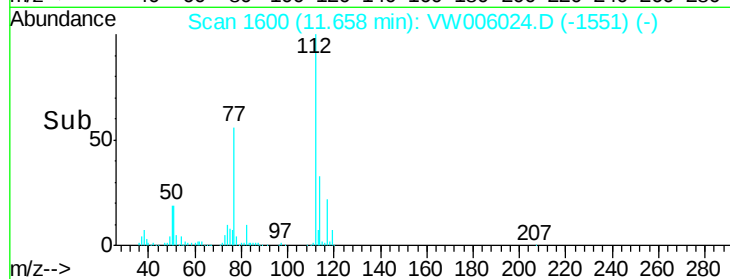
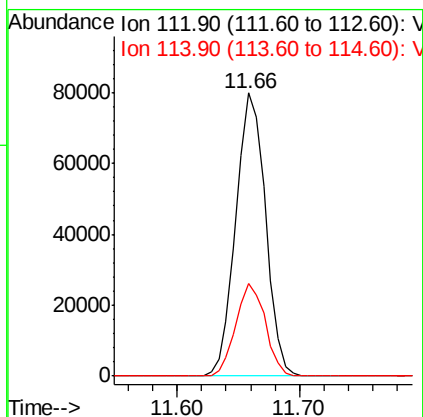
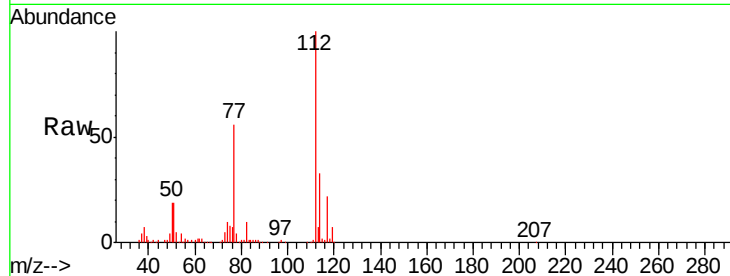




#65
Chlorobenzene
Concen: 20.44 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

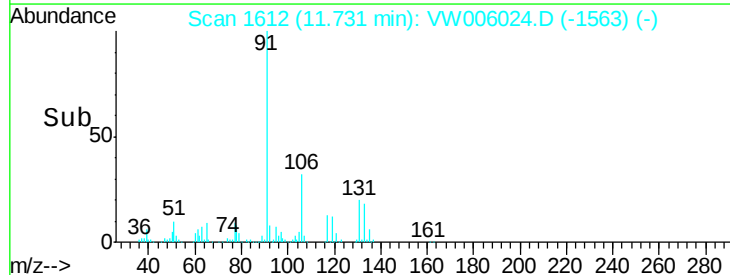
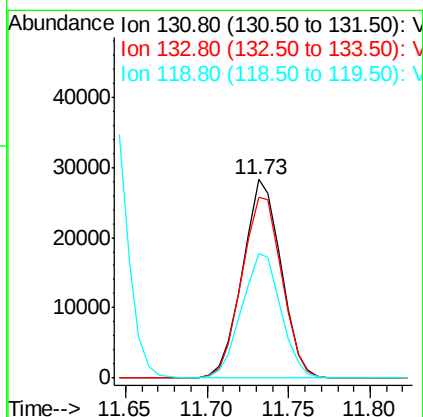
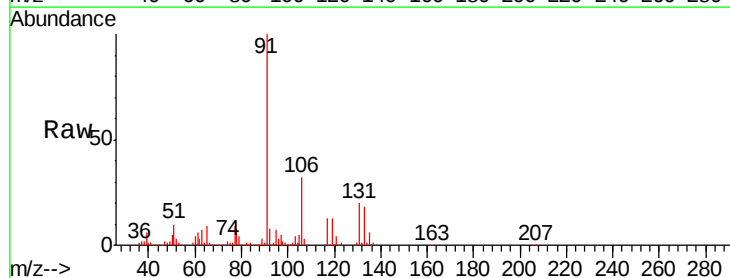
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

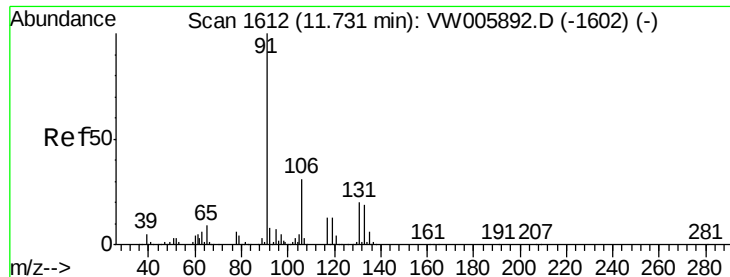
Tgt Ion:112 Resp: 134352
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.32 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:131 Resp: 46551
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 64.3 32.5 97.5

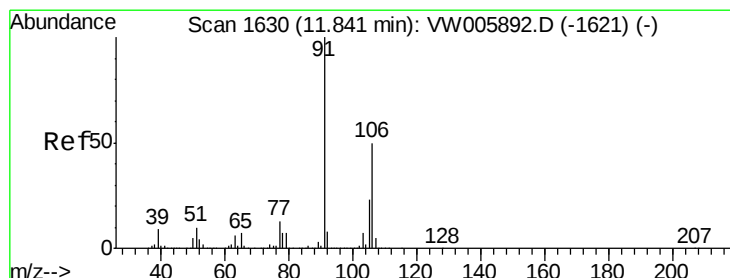
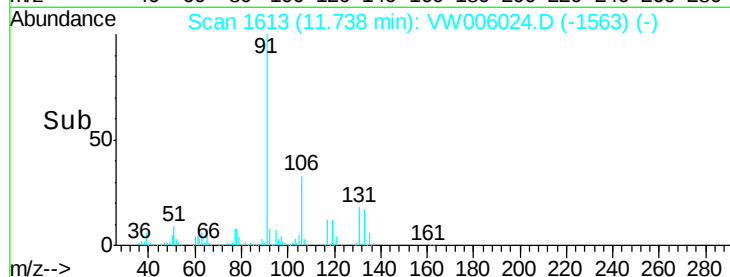
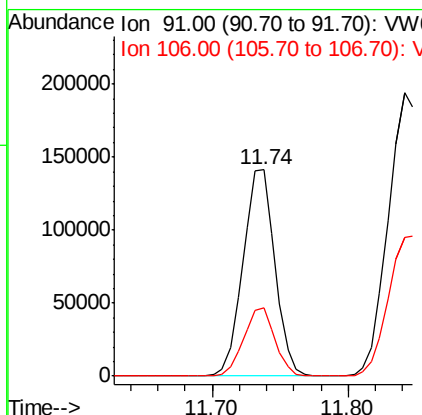
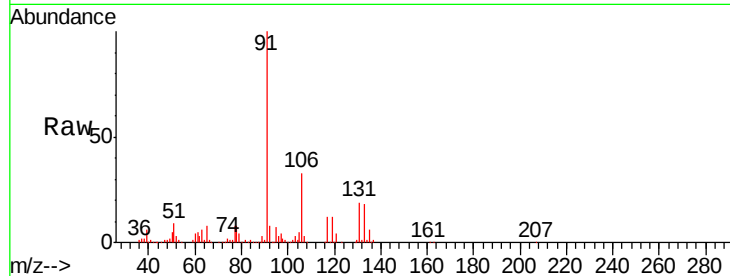




#67
Ethyl Benzene
Concen: 20.03 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

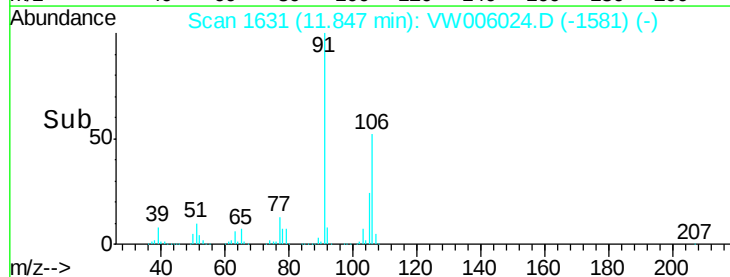
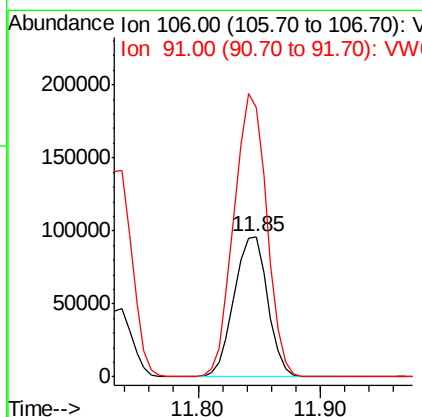
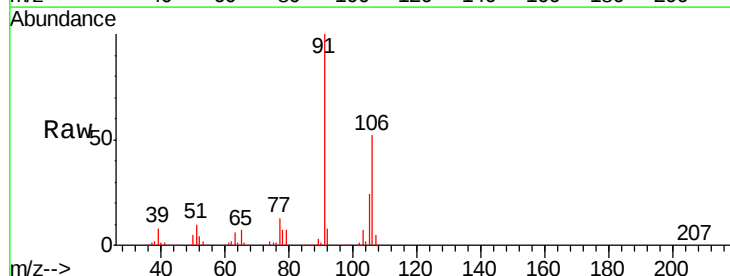
Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

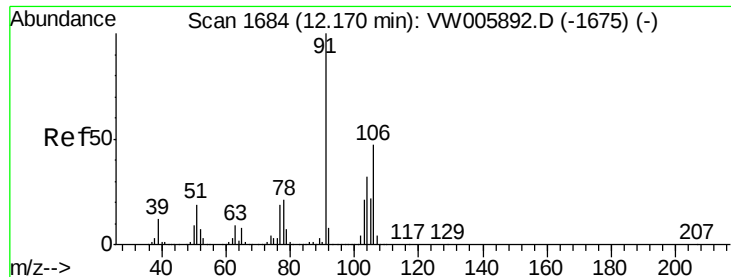
Tgt Ion: 91 Resp: 232485
Ion Ratio Lower Upper
91 100
106 33.0 25.0 37.6



#68
m/p-Xylenes
Concen: 40.24 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion: 106 Resp: 182546
Ion Ratio Lower Upper
106 100
91 198.5 160.2 240.2

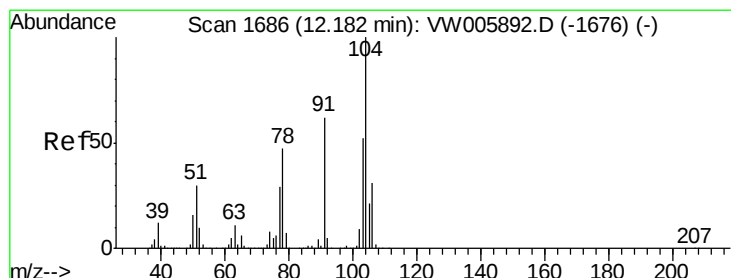
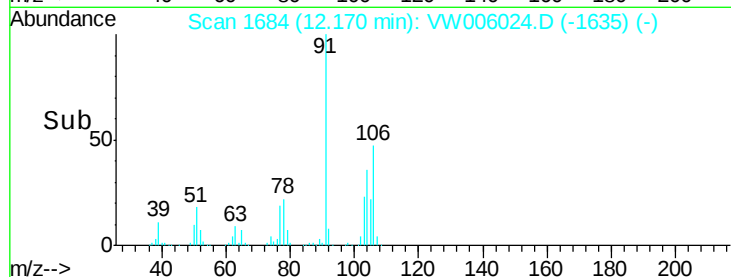
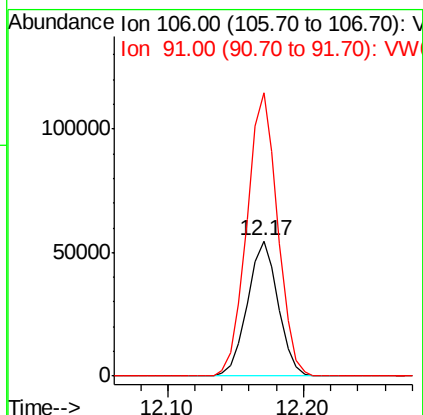
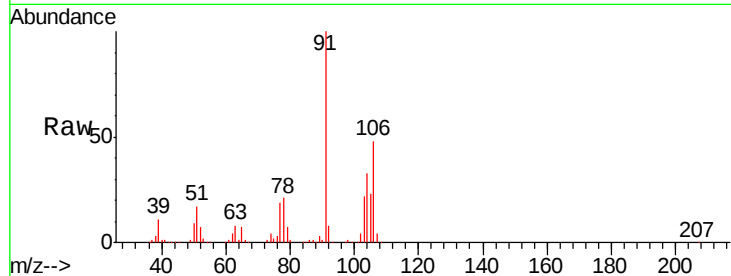




#69
o-Xylene
Concen: 19.88 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

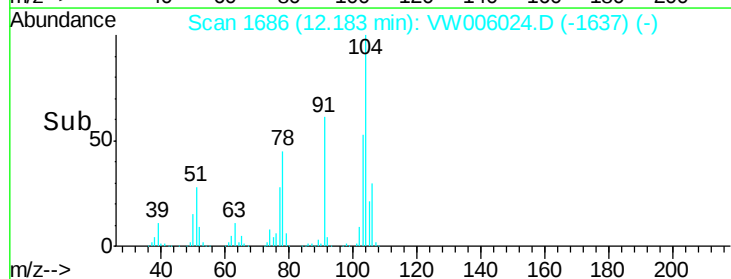
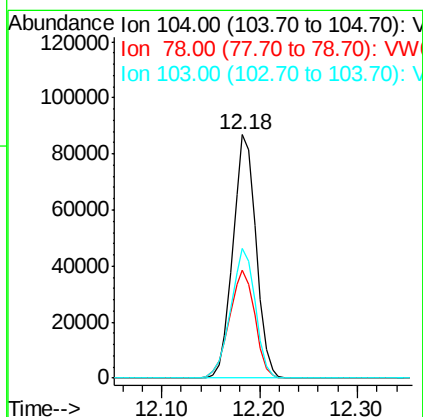
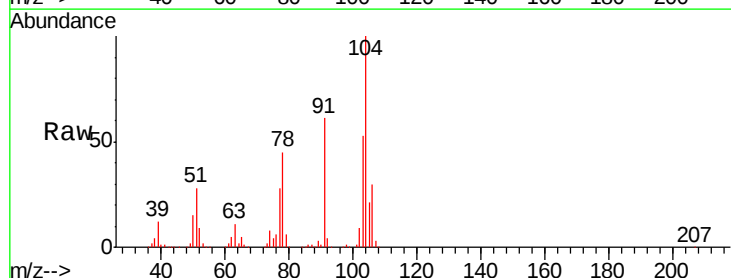
Instrument :
MSVOA_W
ClientSampled :
VW1012SBS01

Tgt Ion:106 Resp: 86336
Ion Ratio Lower Upper
106 100
91 209.7 106.2 318.5



#70
Styrene
Concen: 19.78 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:104 Resp: 142526
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 56.4 44.2 66.2





#71

Bromoform

Concen: 16.88 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

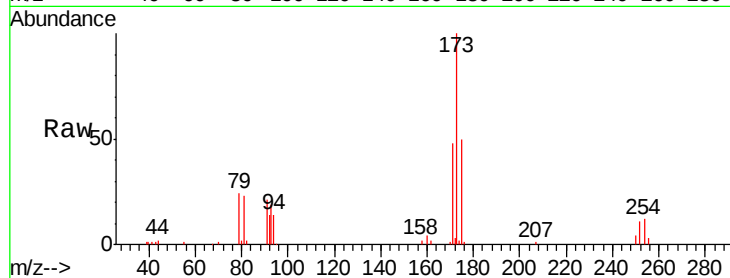
Tgt Ion:173 Resp: 24228

Ion Ratio Lower Upper

173 100

175 48.2 24.7 74.1

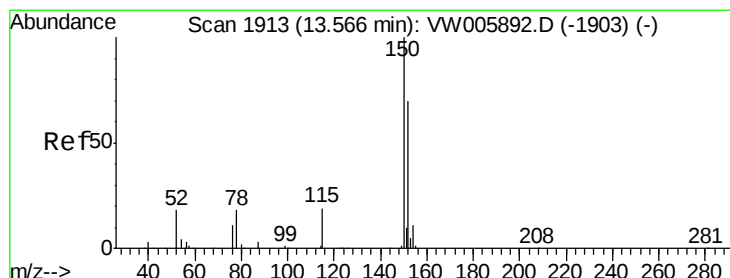
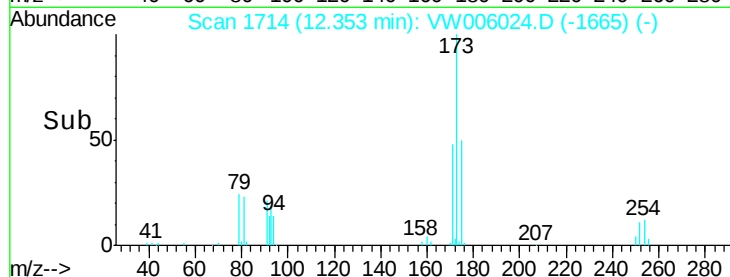
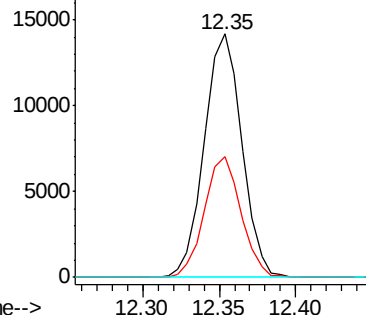
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

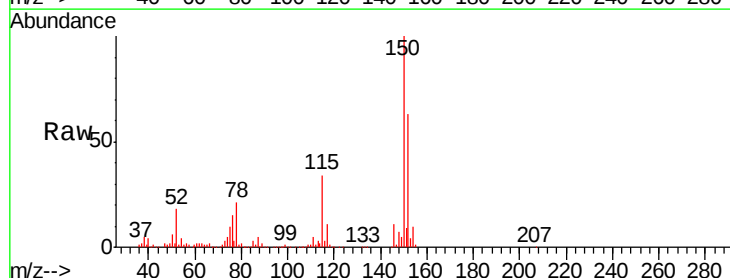
Tgt Ion:152 Resp: 171398

Ion Ratio Lower Upper

152 100

115 55.3 28.3 85.0

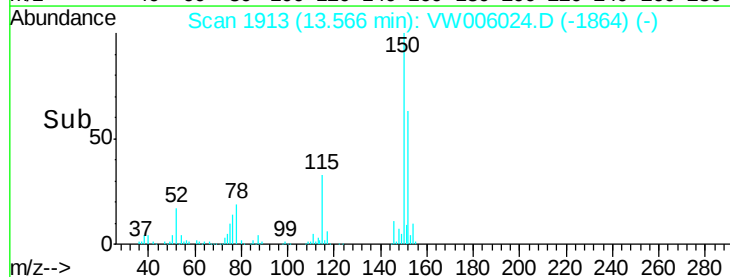
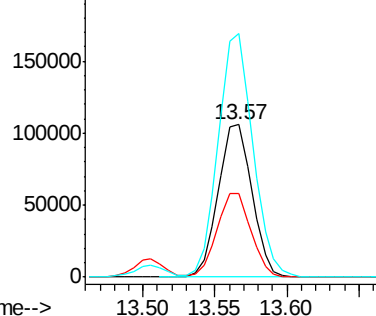
150 164.0 0.0 349.2

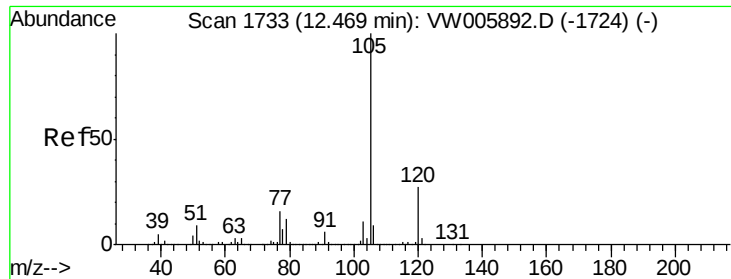


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.77 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

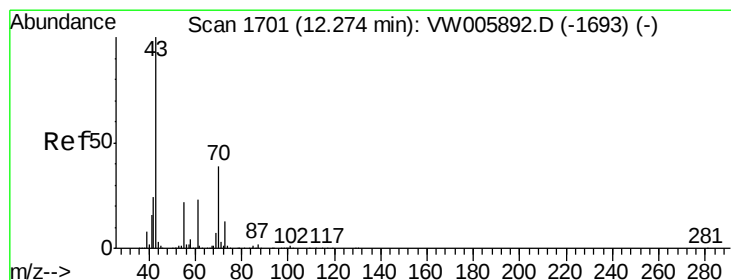
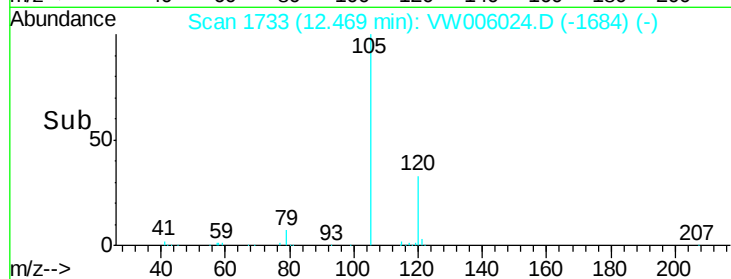
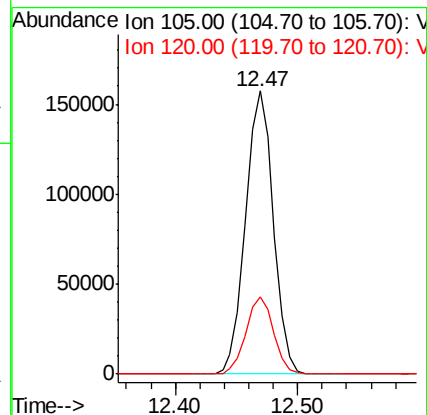
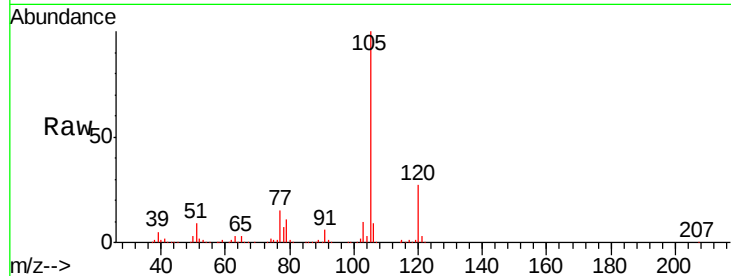
VW1012SBS01

Tgt Ion: 105 Resp: 247488

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8



#74

N-ethyl acetate

Concen: 16.31 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Tgt Ion: 43 Resp: 48497

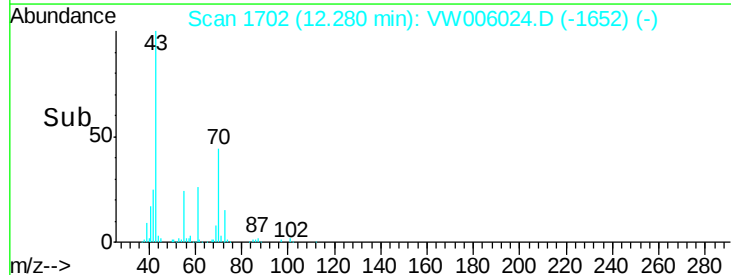
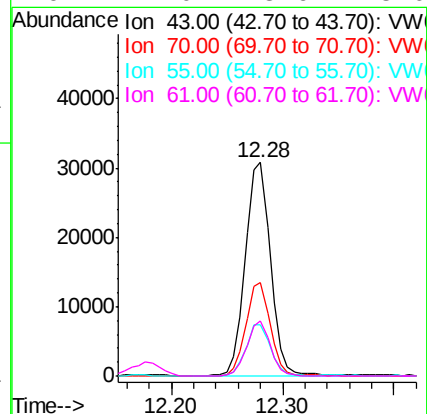
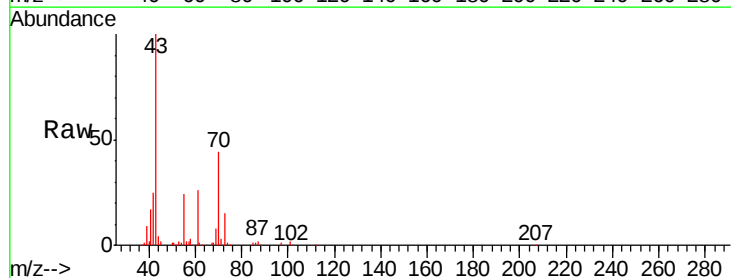
Ion Ratio Lower Upper

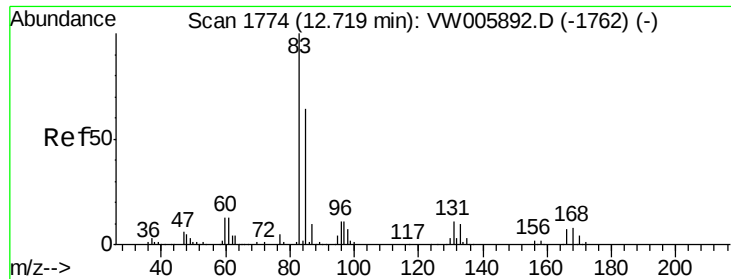
43 100

70 42.5 31.6 47.4

55 24.1 17.9 26.9

61 24.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.08 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

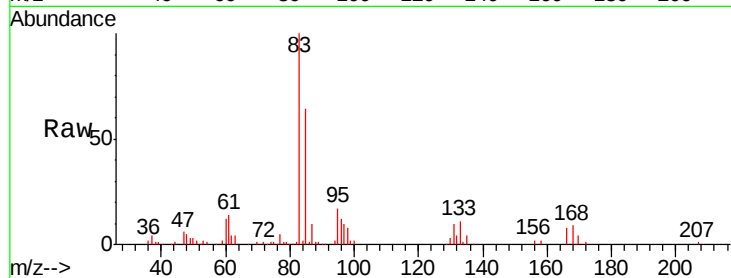
Tgt Ion: 83 Resp: 39142

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.3

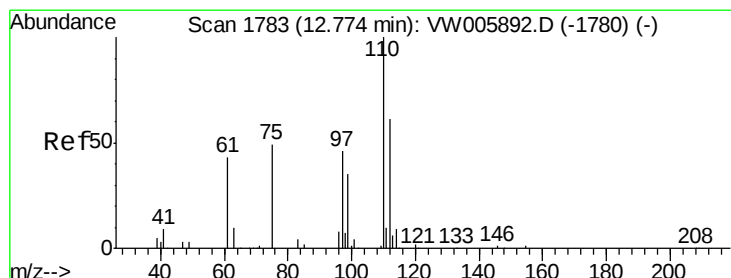
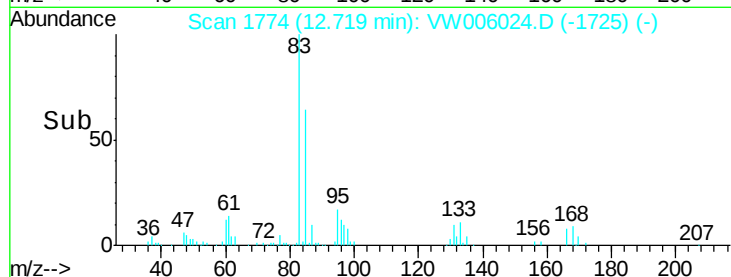
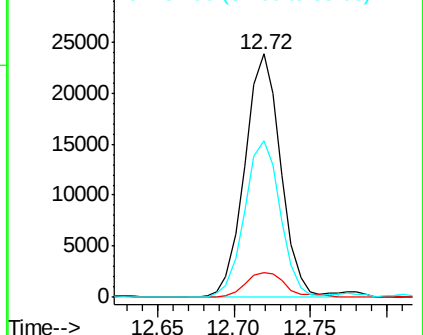
85 63.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.36 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006024.D

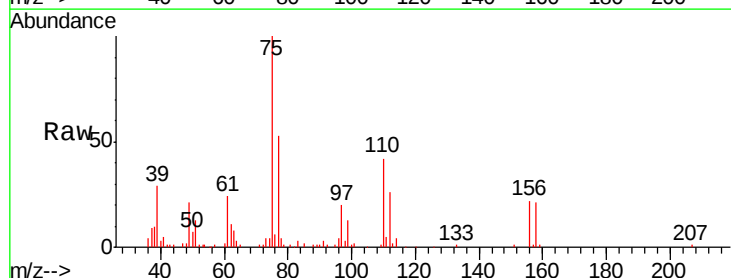
Acq: 11 Oct 2018 11:45

Tgt Ion: 75 Resp: 49544

Ion Ratio Lower Upper

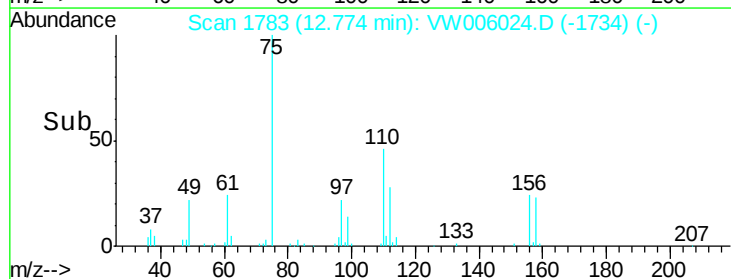
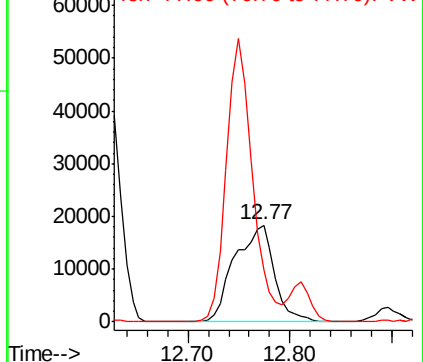
75 100

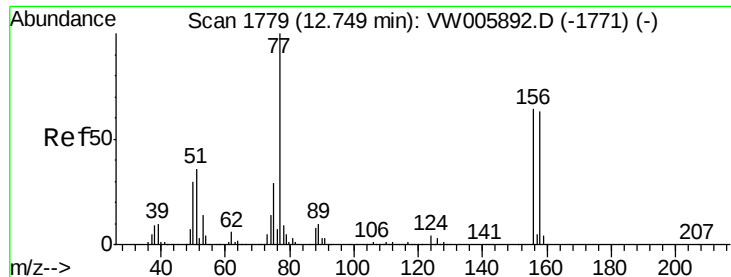
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.10 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampled :

VW1012SBS01

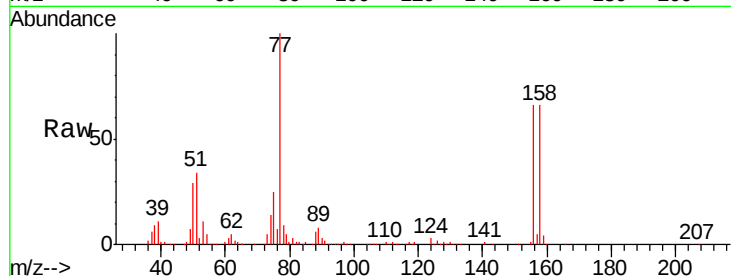
Tgt Ion:156 Resp: 59608

Ion Ratio Lower Upper

156 100

77 160.8 85.8 257.4

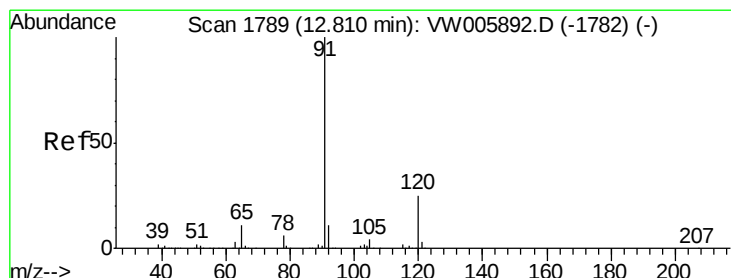
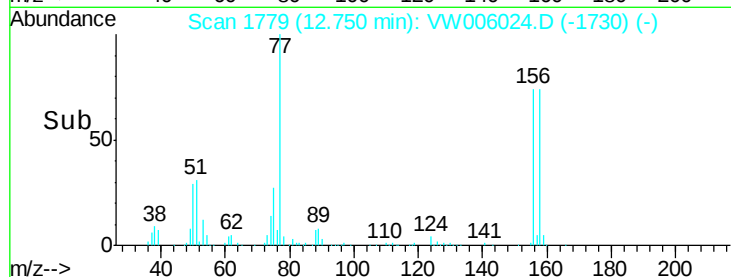
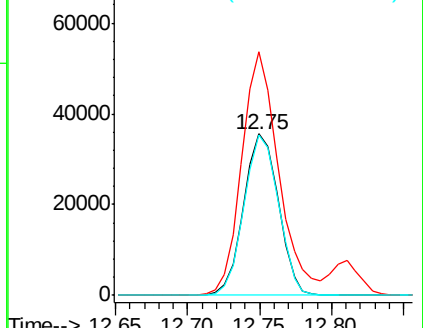
158 98.1 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.69 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006024.D

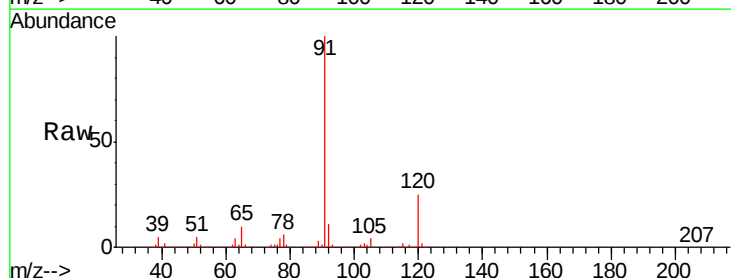
Acq: 11 Oct 2018 11:45

Tgt Ion: 91 Resp: 289914

Ion Ratio Lower Upper

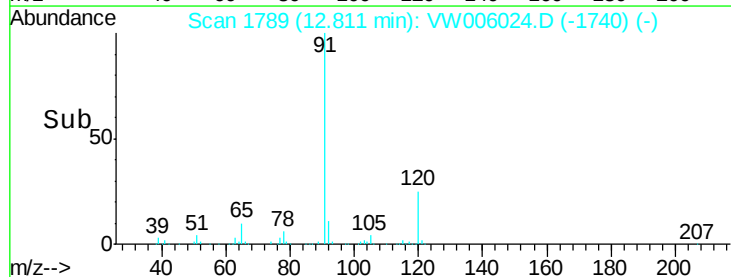
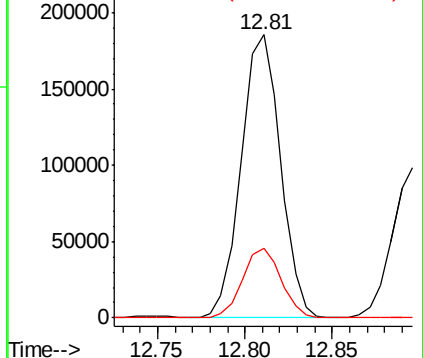
91 100

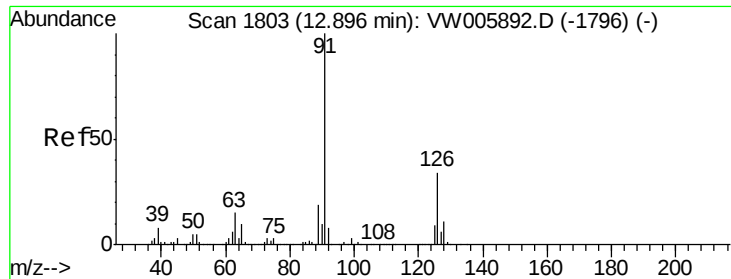
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

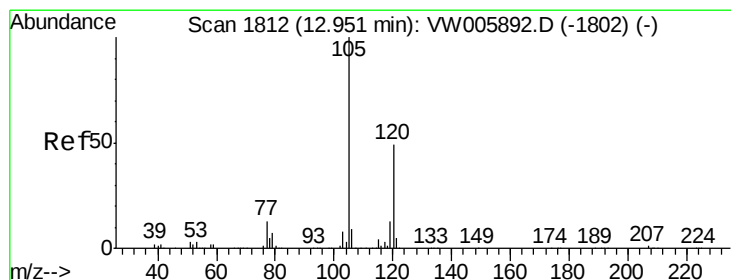
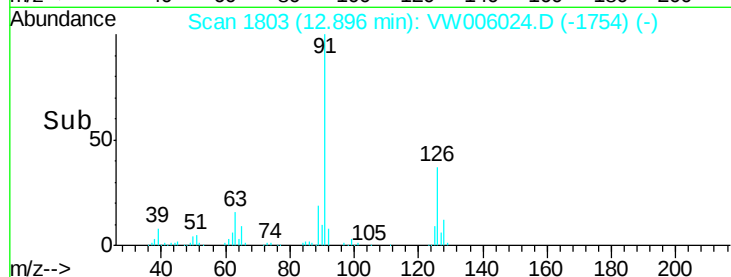
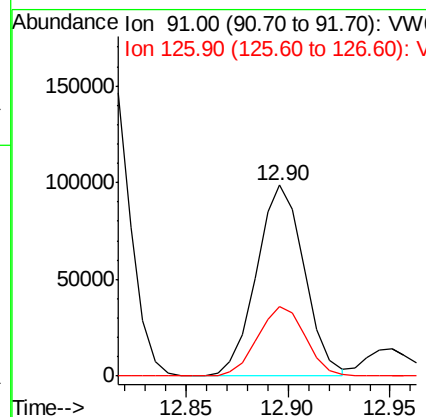
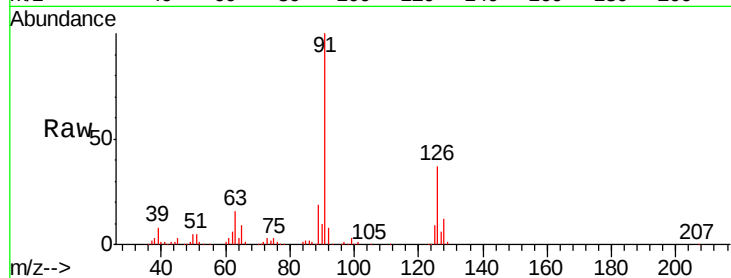




#79
 2-Chlorotoluene
 Concen: 19.31 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

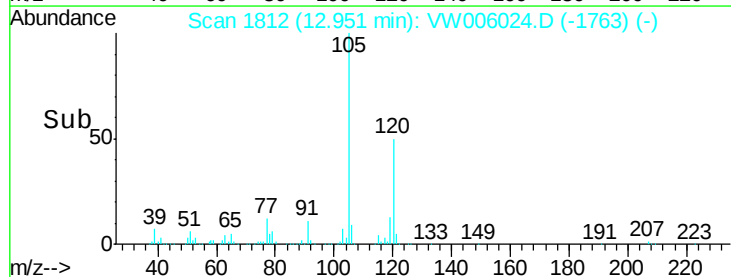
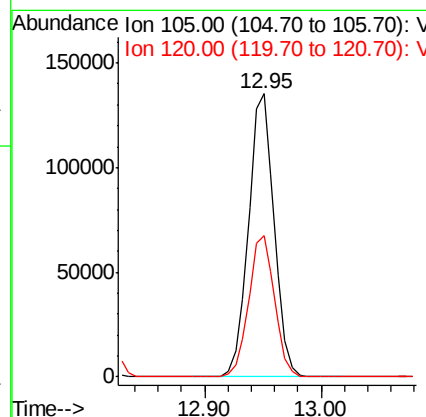
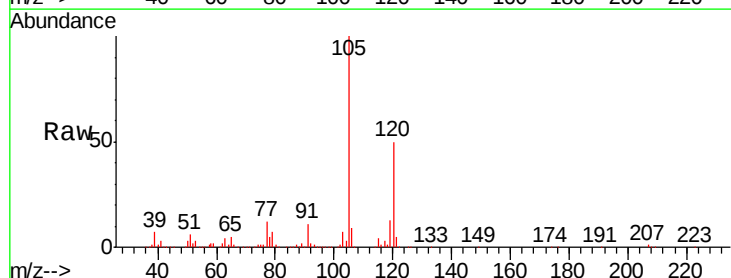
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

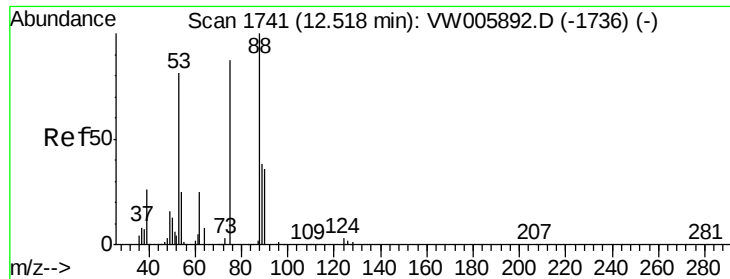
Tgt Ion: 91 Resp: 160540
 Ion Ratio Lower Upper
 91 100
 126 36.9 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.58 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 105 Resp: 206909
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 14.64 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

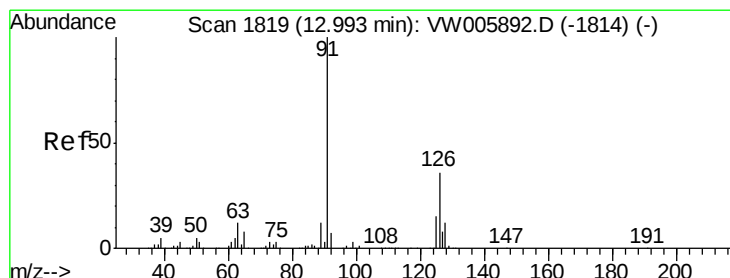
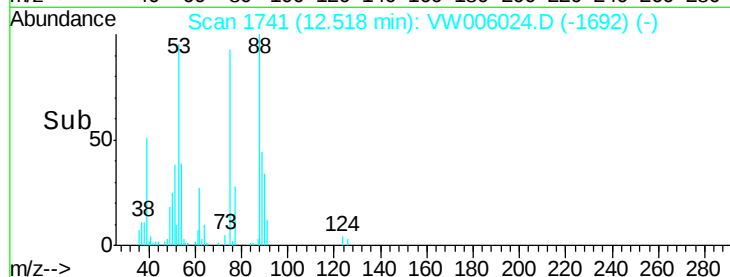
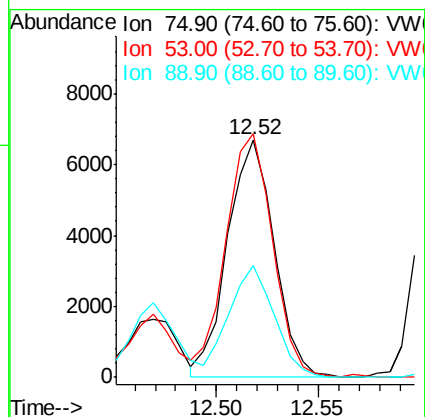
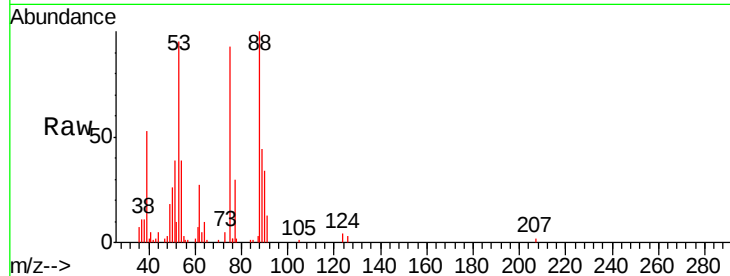
Tgt Ion: 75 Resp: 10617

Ion Ratio Lower Upper

75 100

53 102.8 76.5 114.7

89 45.5 37.6 56.4



#82

4-Chlorotoluene

Concen: 19.57 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006024.D

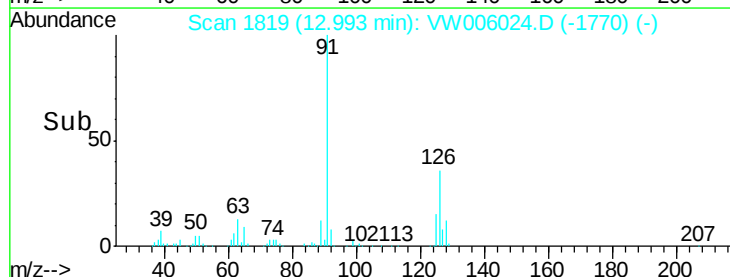
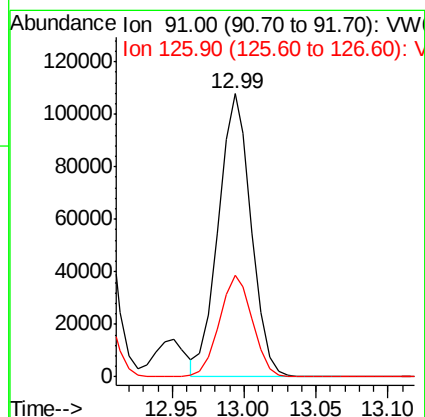
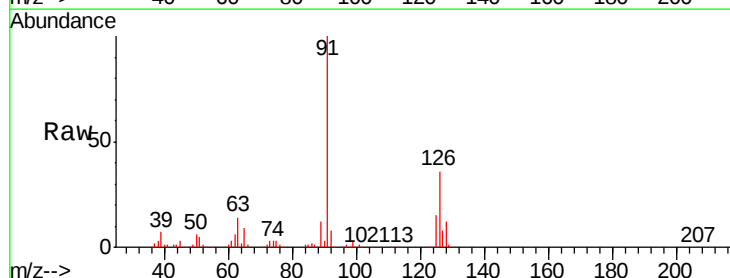
Acq: 11 Oct 2018 11:45

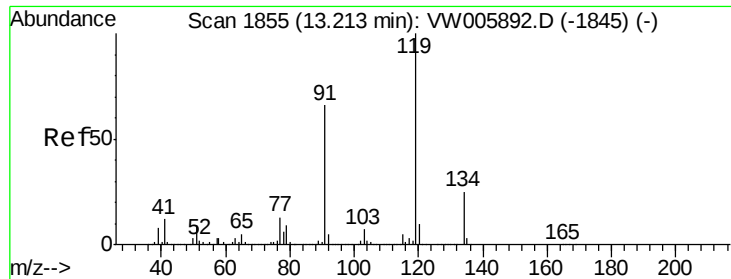
Tgt Ion: 91 Resp: 171122

Ion Ratio Lower Upper

91 100

126 36.0 17.4 52.2

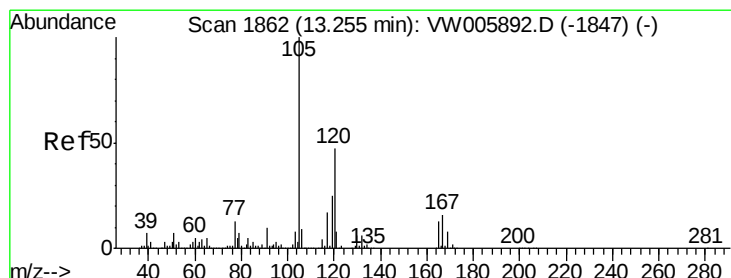
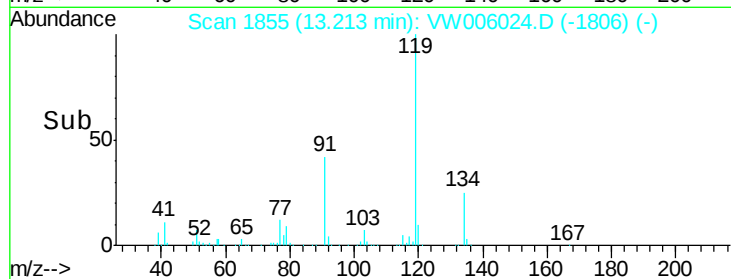
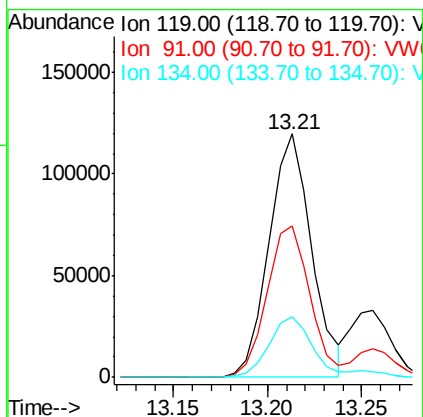
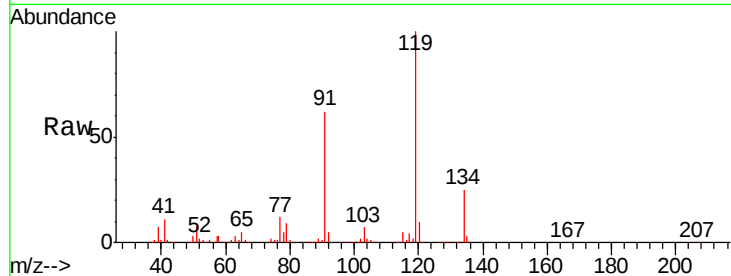




#83
 tert-Butylbenzene
 Concen: 19.98 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

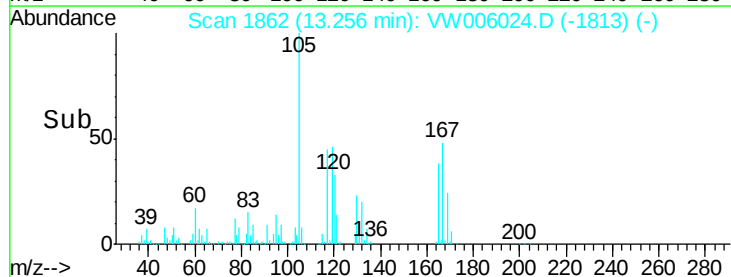
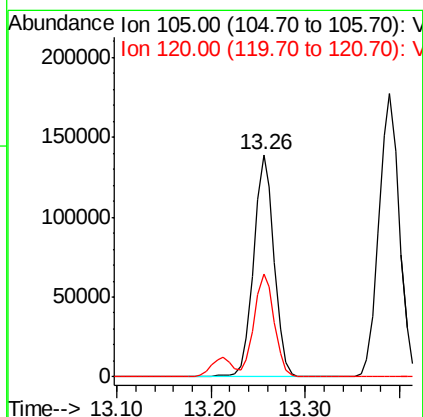
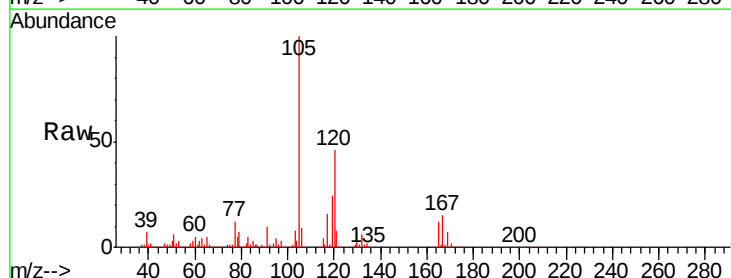
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

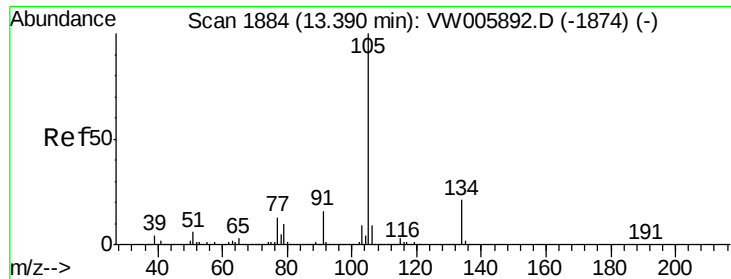
Tgt Ion:119 Resp: 187765
 Ion Ratio Lower Upper
 119 100
 91 62.8 32.4 97.0
 134 25.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.99 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion:105 Resp: 213127
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.3

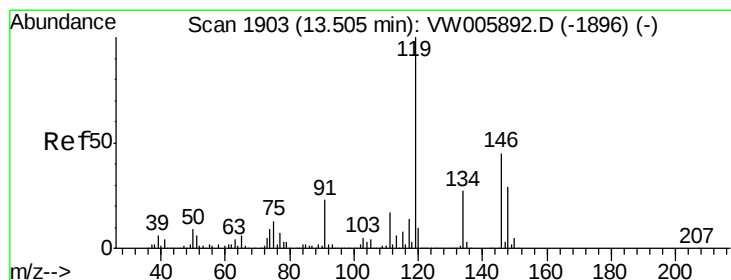
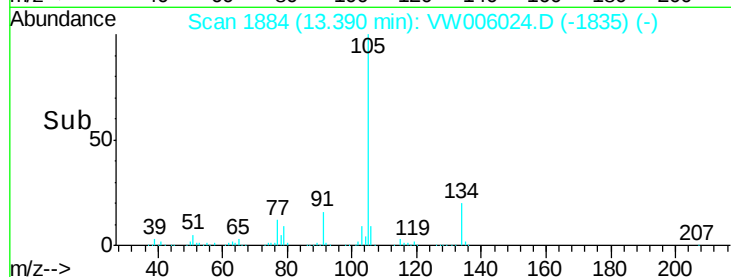
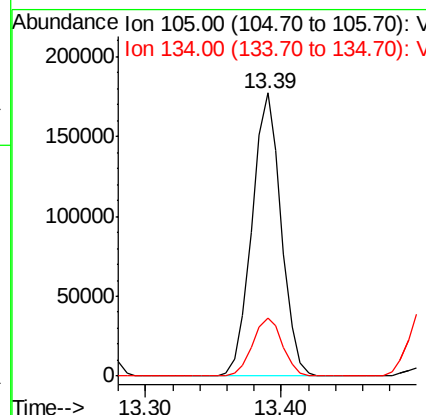
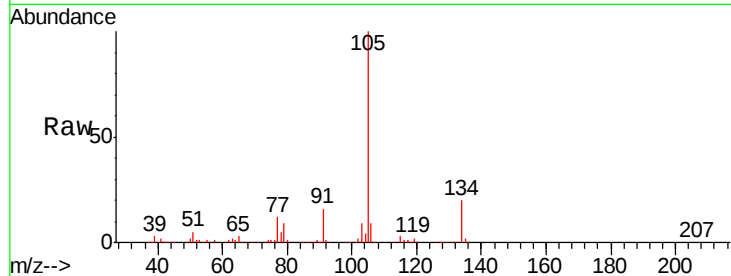




#85
 sec-Butylbenzene
 Concen: 20.18 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

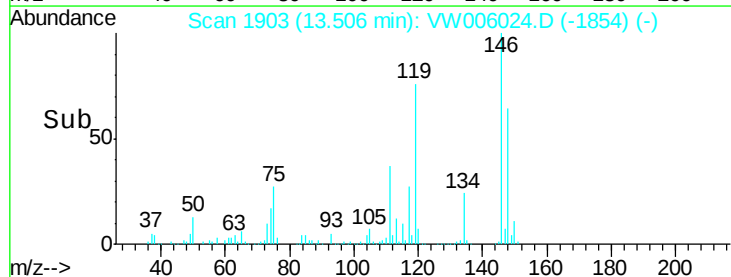
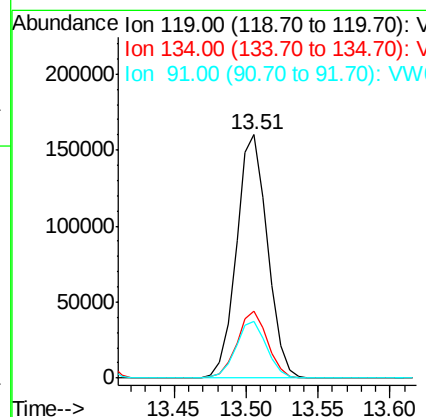
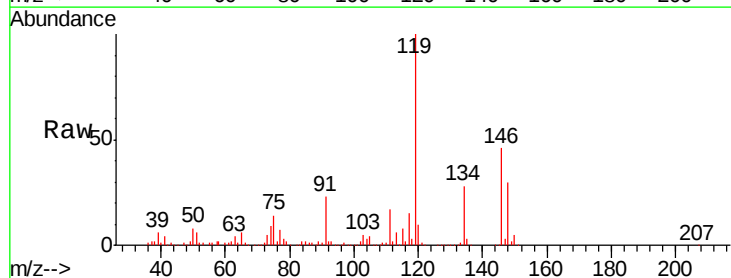
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

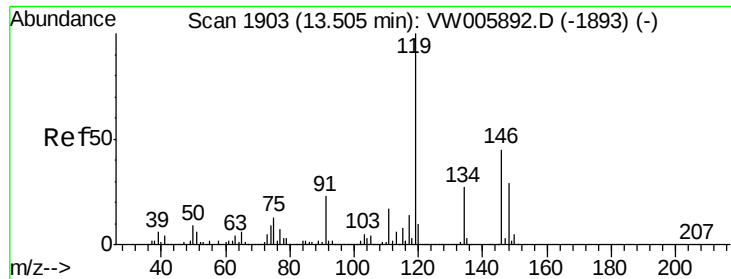
Tgt Ion:105 Resp: 266295
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.17 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion:119 Resp: 239308
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 23.1 11.9 35.5

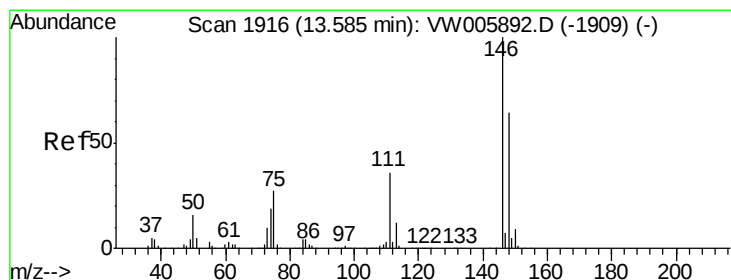
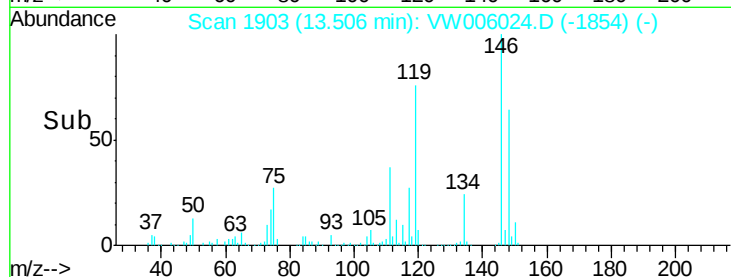
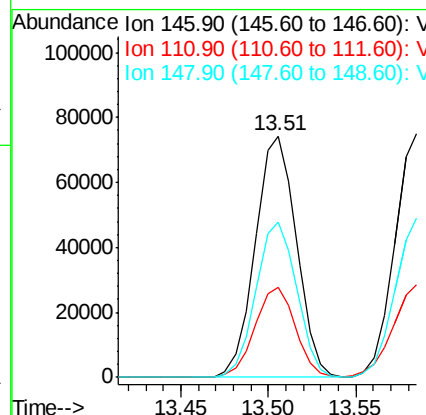
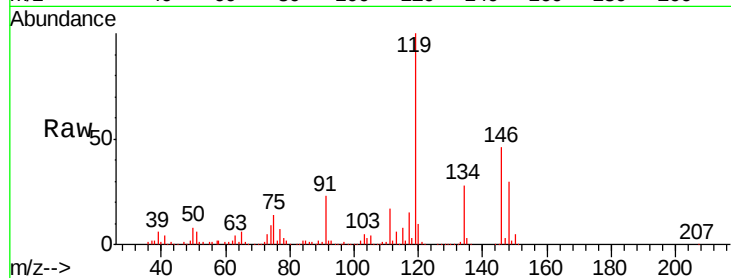




#87
 1,3-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

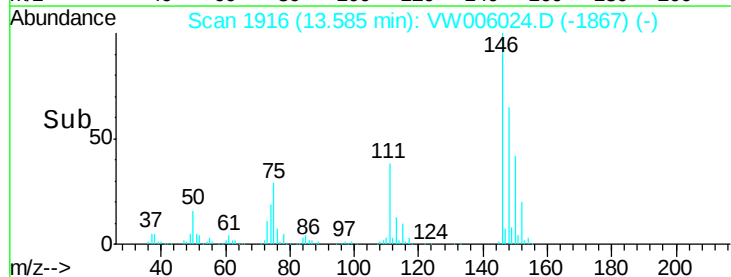
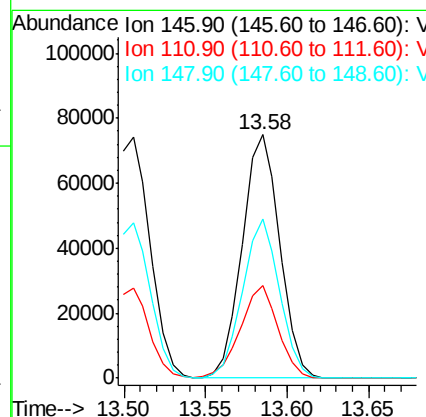
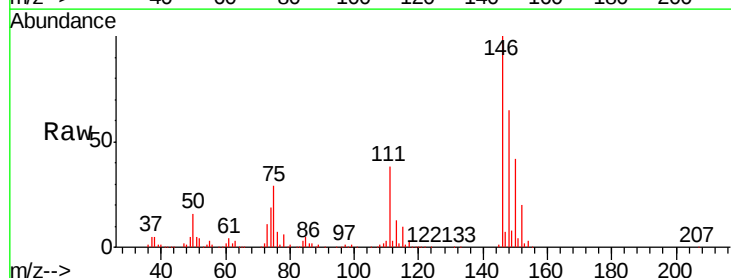
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

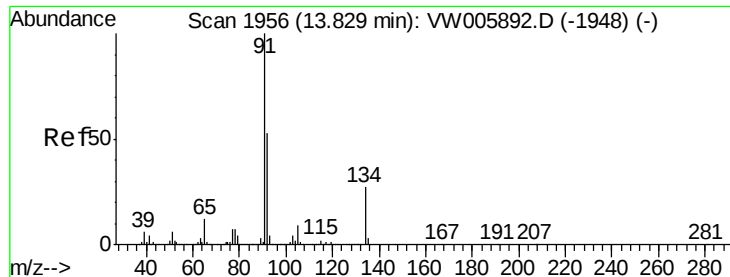
Tgt Ion:146 Resp: 121428
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.5 58.5
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.49 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion:146 Resp: 119959
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 64.5 32.0 96.2





#89

n-Butylbenzene

Concen: 20.15 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006024.D

Acq: 11 Oct 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW1012SBS01

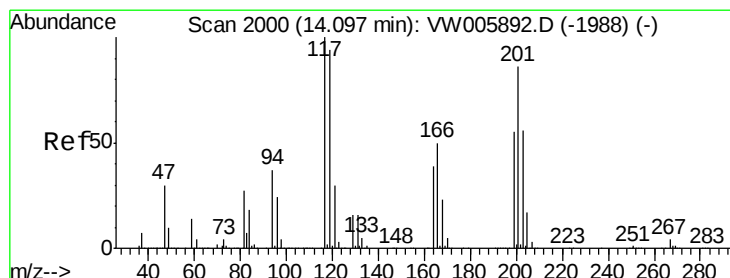
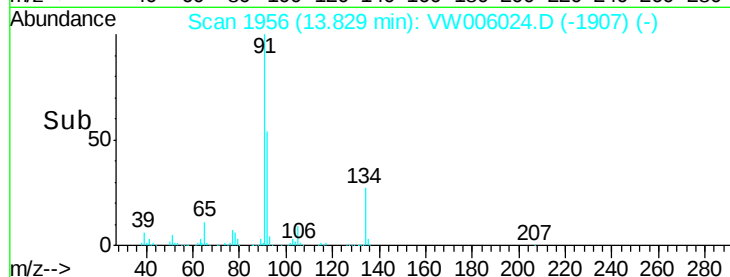
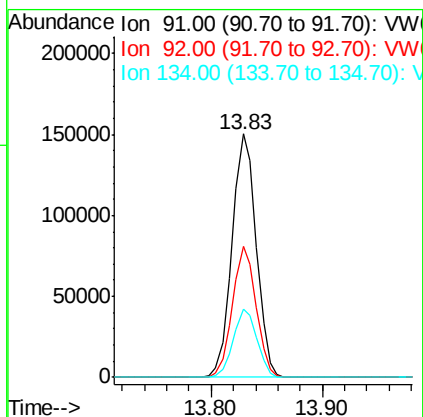
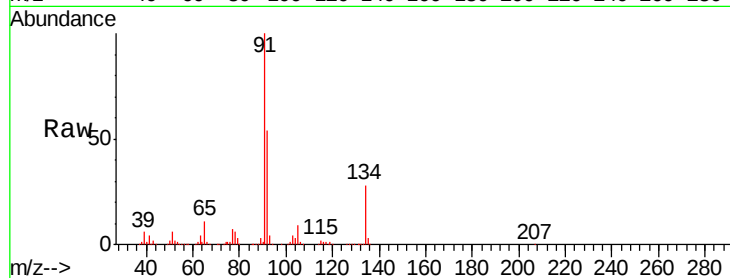
Tgt Ion: 91 Resp: 225356

Ion Ratio Lower Upper

91 100

92 52.6 26.6 79.8

134 27.6 13.8 41.4



#90

Hexachloroethane

Concen: 16.89 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006024.D

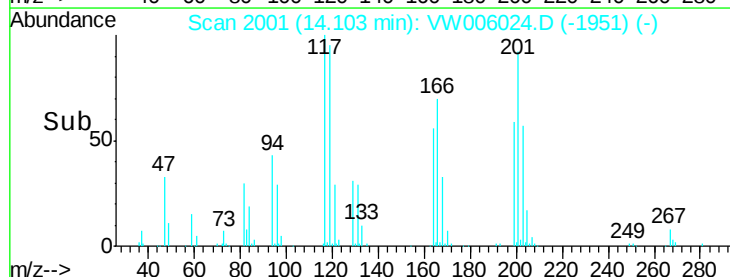
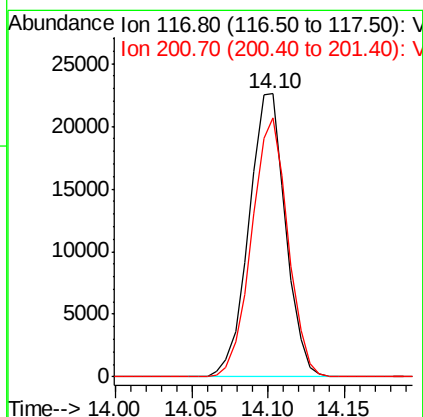
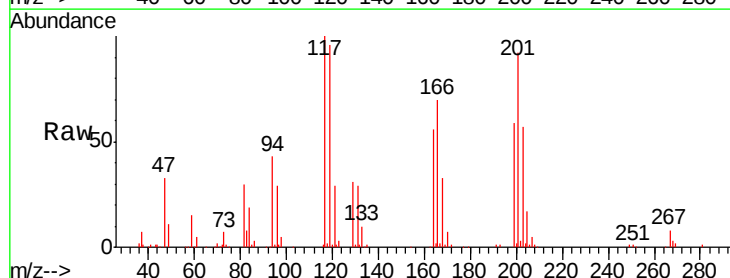
Acq: 11 Oct 2018 11:45

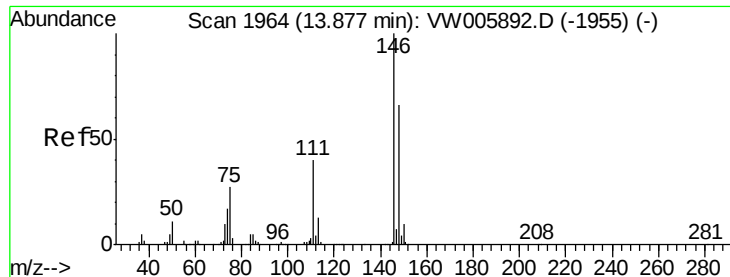
Tgt Ion: 117 Resp: 37691

Ion Ratio Lower Upper

117 100

201 90.0 44.5 133.5

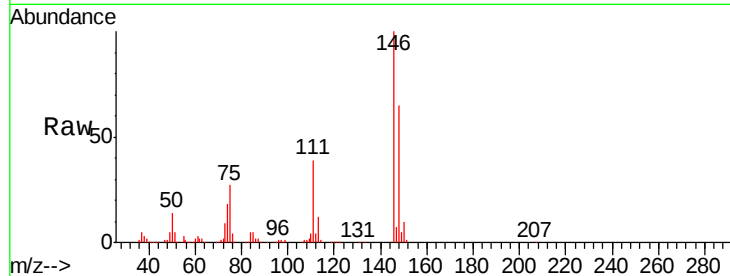




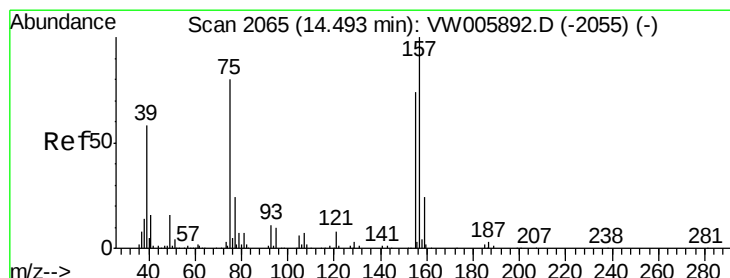
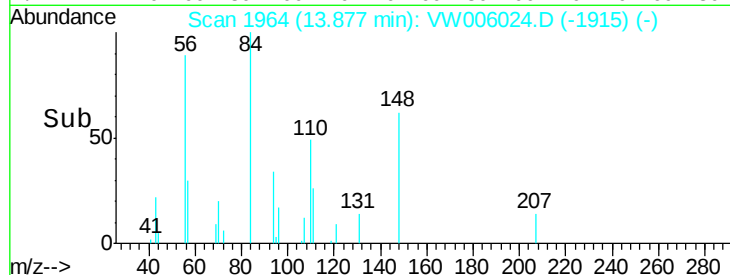
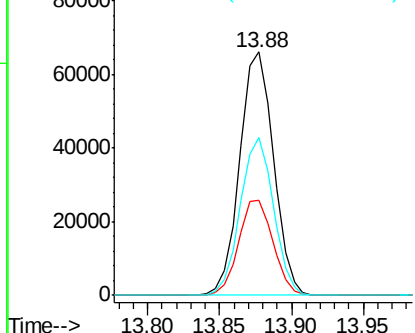
#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

Tgt Ion: 146 Resp: 107562
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.3 61.0
 148 63.9 32.5 97.4

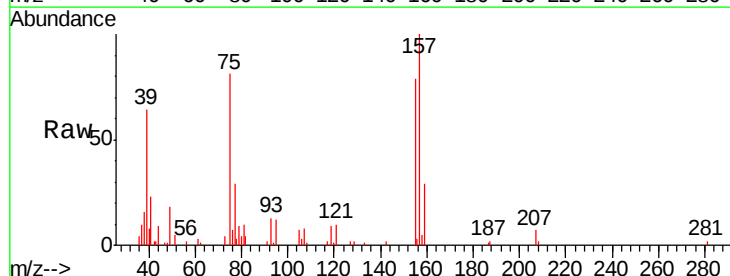


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

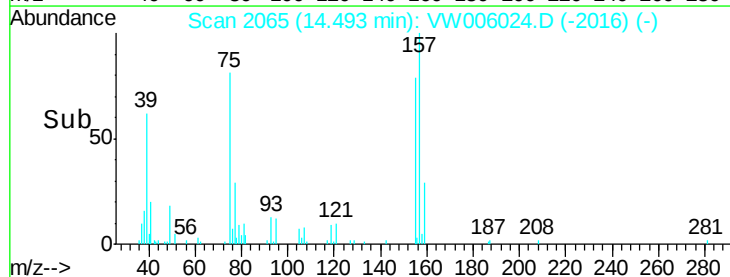
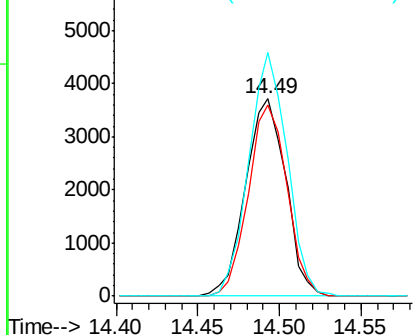


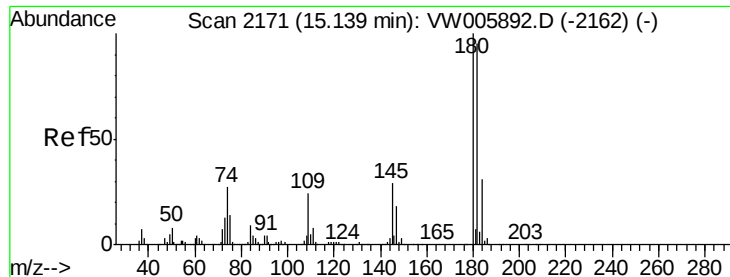
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.66 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion: 75 Resp: 6369
 Ion Ratio Lower Upper
 75 100
 155 93.3 44.8 134.3
 157 118.0 58.9 176.6



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

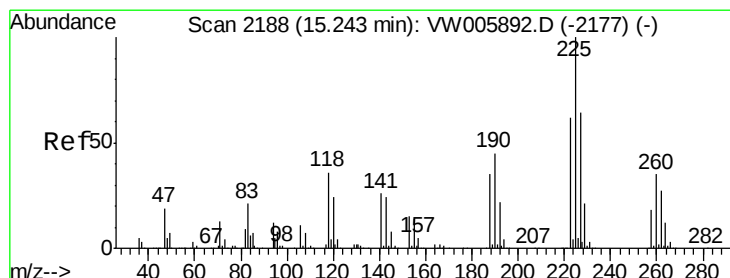
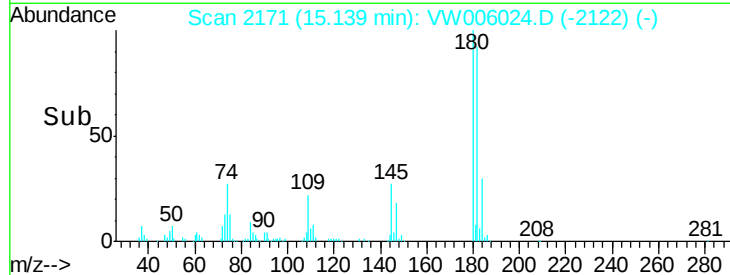
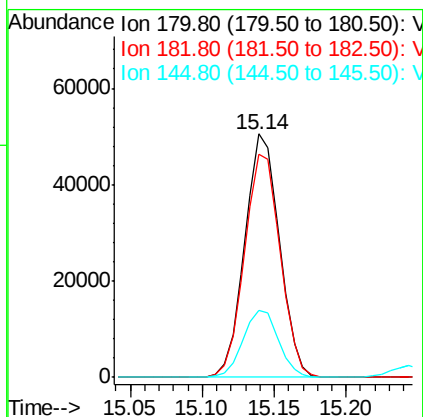
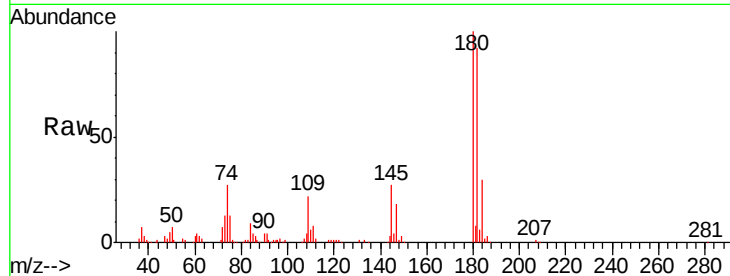




#93
 1,2,4-Trichlorobenzene
 Concen: 20.74 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

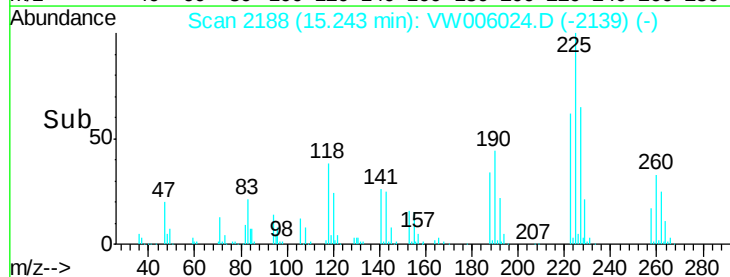
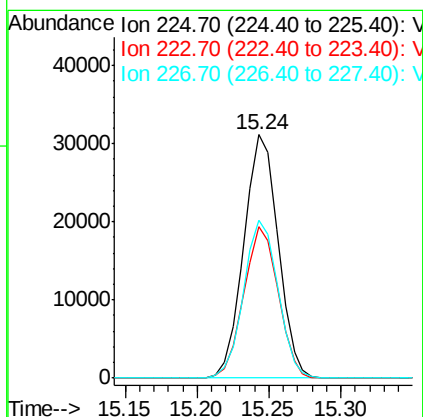
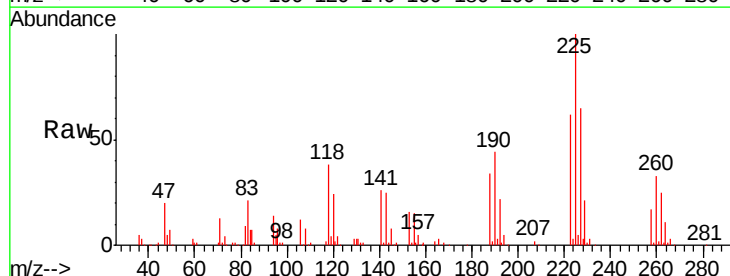
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1012SBS01

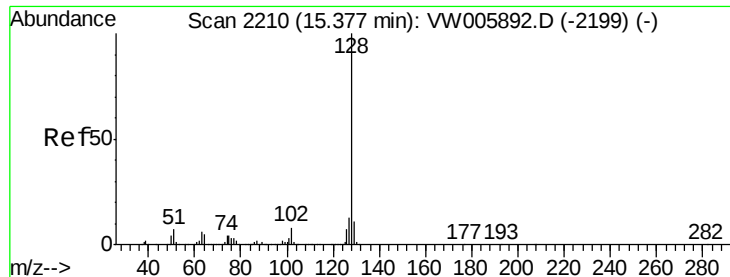
Tgt Ion:180 Resp: 84115
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.8 143.3
 145 28.1 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 20.29 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006024.D
 Acq: 11 Oct 2018 11:45

Tgt Ion:225 Resp: 51377
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.2 93.6
 227 64.5 31.9 95.9

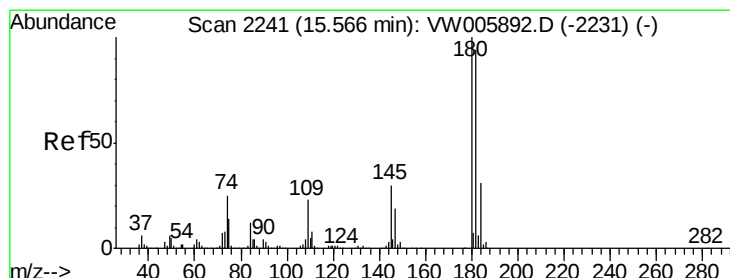
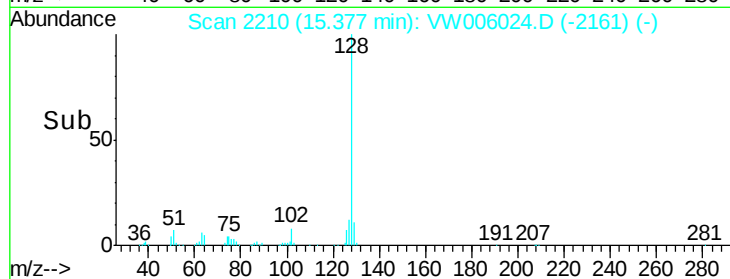
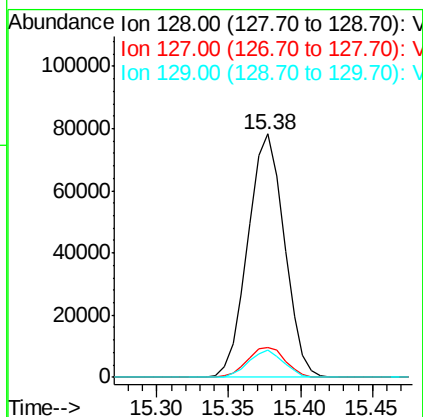
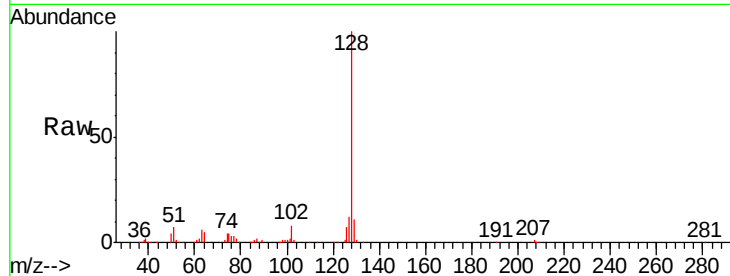




#95
Naphthalene
Concen: 19.63 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW1012SBS01

Tgt Ion:128 Resp: 137247
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.57 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006024.D
Acq: 11 Oct 2018 11:45

Tgt Ion:180 Resp: 72242
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.8
145 30.5 15.3 45.9

