

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006494.D
 Acq On : 30 Oct 2018 11:59
 Operator : SY/AP
 Sample : VW1031SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Quant Time: Oct 30 14:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	295244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	77159	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	
35) Dibromofluoromethane	7.88	113	84063	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.32	98	316844	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.62	95	118319	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20213	18.97	ug/l	95
3) Chloromethane	2.21	50	27465	20.03	ug/l	96
4) Vinyl Chloride	2.37	62	42268	21.58	ug/l	99
5) Bromomethane	2.79	94	37528	21.07	ug/l	96
6) Chloroethane	2.93	64	31093	22.15	ug/l	94
7) Trichlorofluoromethane	3.26	101	39315	21.55	ug/l	96
8) Diethyl Ether	3.67	74	20851	21.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43867	22.94	ug/l	98
10) Methyl Iodide	4.26	142	70925	22.29	ug/l	98
11) Tert butyl alcohol	5.23	59	11120	92.64	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	41400	23.02	ug/l	94
13) Acrolein	3.89	56	10598	91.24	ug/l	96
14) Allyl chloride	4.67	41	52694	20.49	ug/l	99
15) Acrylonitrile	5.37	53	35678	102.59	ug/l	99
16) Acetone	4.14	43	45304	128.08	ug/l	90
17) Carbon Disulfide	4.37	76	103437	19.05	ug/l	100
18) Methyl Acetate	4.68	43	17795	19.81	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	54892	20.04	ug/l	99
20) Methylene Chloride	4.91	84	45866	23.42	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	45648	22.74	ug/l	96
22) Diisopropyl ether	6.31	45	106251	20.91	ug/l	98
23) Vinyl Acetate	6.26	43	289387	96.48	ug/l	99
24) 1,1-Dichloroethane	6.21	63	75698	23.08	ug/l	99
25) 2-Butanone	7.18	43	52642	109.18	ug/l	97
26) 2,2-Dichloropropane	7.17	77	52240	22.59	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51170	23.10	ug/l	98
28) Bromochloromethane	7.51	49	22567	17.82	ug/l	91
29) Tetrahydrofuran	7.54	42	28103	94.82	ug/l	99
30) Chloroform	7.68	83	82078	22.97	ug/l	100
31) Cyclohexane	7.95	56	67238	20.59	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	73645	22.85	ug/l	99
36) 1,1-Dichloropropene	8.09	75	65458	24.05	ug/l	99
37) Ethyl Acetate	7.26	43	21267	21.03	ug/l	99
38) Carbon Tetrachloride	8.07	117	70485	23.63	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82397	22.78	ug/l	99
40) Benzene	8.32	78	180243	24.15	ug/l	100
41) Methacrylonitrile	7.49	41	13098	21.49	ug/l	98
42) 1,2-Dichloroethane	8.40	62	49938	22.77	ug/l	98
43) Isopropyl Acetate	8.43	43	40914	19.79	ug/l	97
44) Trichloroethene	9.09	130	56477	24.66	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41656	23.32	ug/l	100
46) Dibromomethane	9.46	93	23315	22.90	ug/l	97
47) Bromodichloromethane	9.65	83	55468	22.47	ug/l	98
48) Methyl methacrylate	9.44	41	19160	19.55	ug/l	93
49) 1,4-Dioxane	9.48	88	6678	426.08	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	106466	102.79	ug/l	98
52) Toluene	10.39	92	121165	24.21	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	52953	21.53	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	62537	22.16	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	32925	23.11	ug/l	98
56) Ethyl methacrylate	10.65	69	35258	20.19	ug/l	98
57) 1,3-Dichloropropane	10.93	76	54160	22.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	71143	106.60	ug/l	98
59) 2-Hexanone	10.98	43	79681	107.77	ug/l	98
60) Dibromochloromethane	11.13	129	39292	22.14	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32635	22.93	ug/l	98
64) Tetrachloroethene	10.87	164	50658	24.54	ug/l	98
65) Chlorobenzene	11.66	112	139782	24.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48749	24.10	ug/l	99
67) Ethyl Benzene	11.73	91	239428	24.27	ug/l	99
68) m/p-Xylenes	11.84	106	189008	48.47	ug/l	97
69) o-Xylene	12.17	106	88318	23.76	ug/l	99
70) Styrene	12.18	104	142838	23.64	ug/l	99
71) Bromoform	12.35	173	23630	20.94	ug/l #	99
73) Isopropylbenzene	12.47	105	251303	23.86	ug/l	100
74) N-amyl acetate	12.28	43	39105	19.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	35796	22.35	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	46160	40.54	ug/l #	100
77) Bromobenzene	12.75	156	61980	24.03	ug/l	96
78) n-propylbenzene	12.81	91	293645	23.96	ug/l	99
79) 2-Chlorotoluene	12.90	91	162152	23.55	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	211211	23.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9407	19.75	ug/l	96
82) 4-Chlorotoluene	12.99	91	171938	23.84	ug/l	100
83) tert-Butylbenzene	13.21	119	190057	23.92	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	214180	23.84	ug/l	100
85) sec-Butylbenzene	13.39	105	271553	24.20	ug/l	99
86) p-Isopropyltoluene	13.51	119	243248	23.96	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	125188	24.38	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	123611	24.18	ug/l	100
89) n-Butylbenzene	13.83	91	223284	24.05	ug/l	99
90) Hexachloroethane	14.10	117	38860	22.60	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109658	23.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5510	19.21	ug/l	94

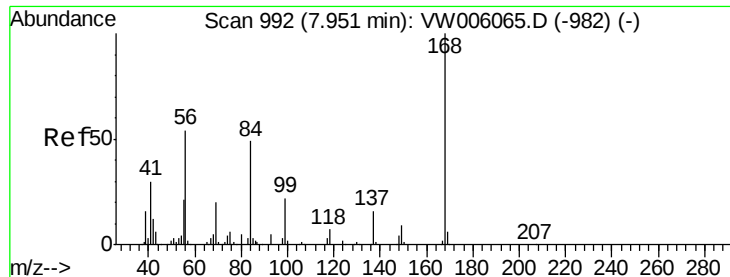
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82452	23.40	ug/l	99
94) Hexachlorobutadiene	15.24	225	54634	24.68	ug/l	99
95) Naphthalene	15.38	128	121463	20.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69940	22.95	ug/l	99

(#) = 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: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

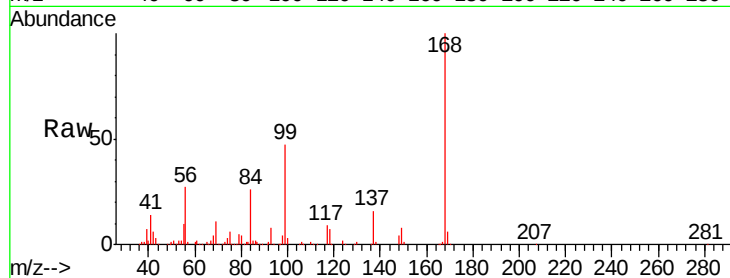
VW1031SBS02

Tgt Ion:168 Resp: 215279

Ion Ratio Lower Upper

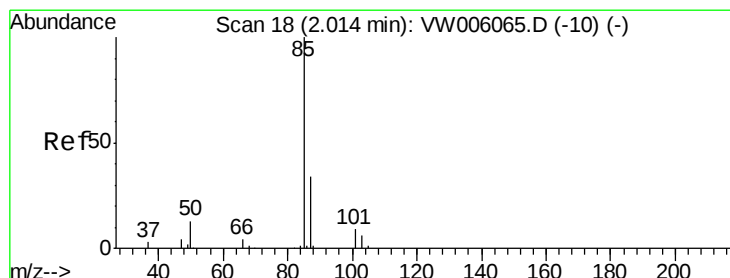
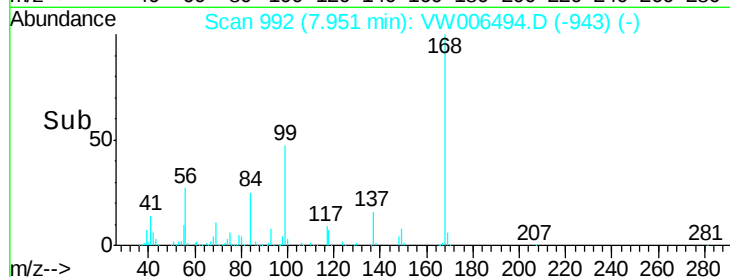
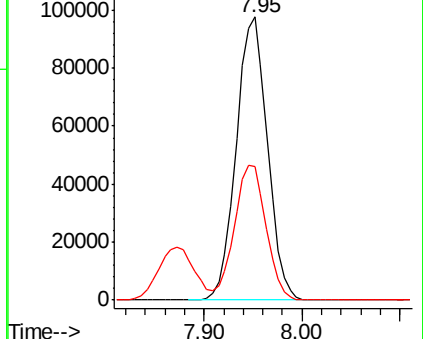
168 100

99 47.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.97 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006494.D

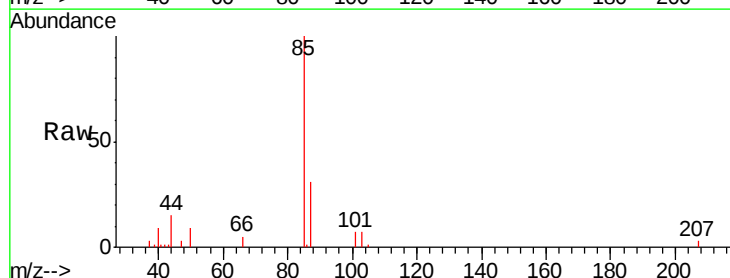
Acq: 30 Oct 2018 11:59

Tgt Ion: 85 Resp: 20213

Ion Ratio Lower Upper

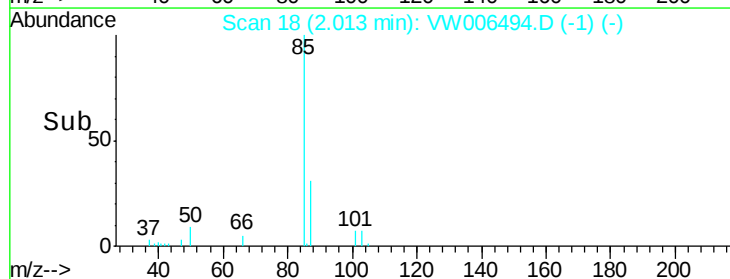
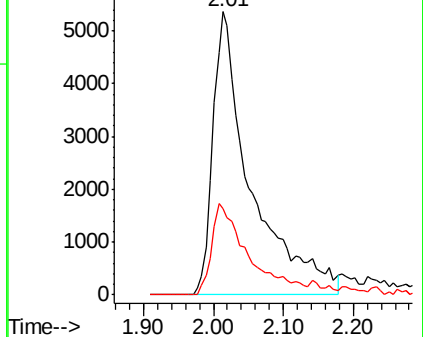
85 100

87 30.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.03 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

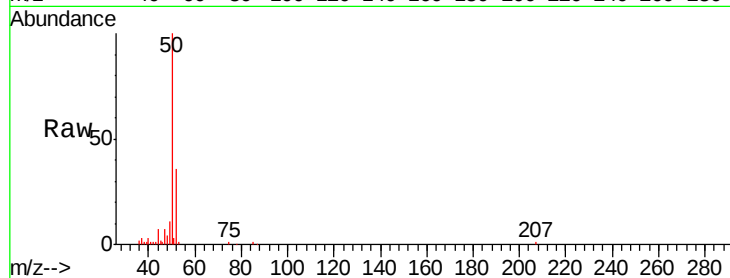
VW1031SBS02

Tgt Ion: 50 Resp: 27465

Ion Ratio Lower Upper

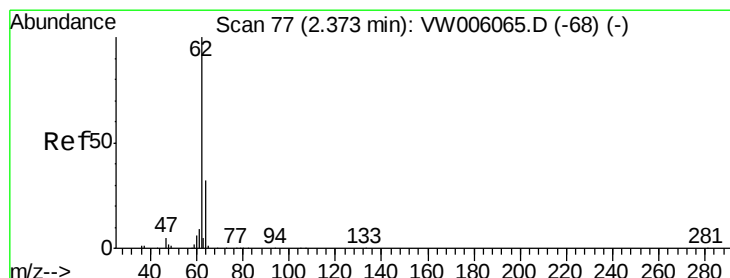
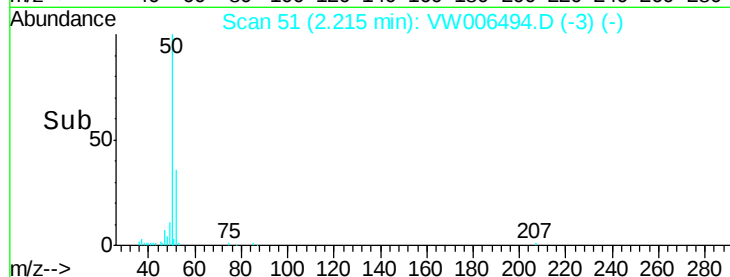
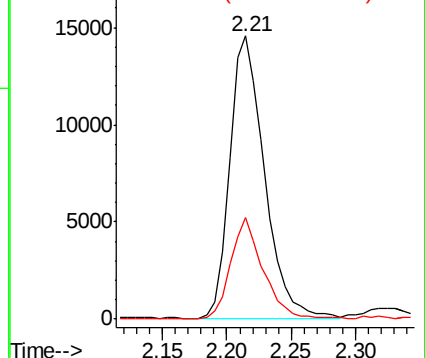
50 100

52 36.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.58 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006494.D

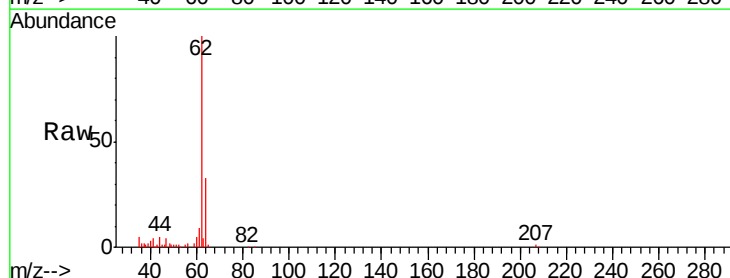
Acq: 30 Oct 2018 11:59

Tgt Ion: 62 Resp: 42268

Ion Ratio Lower Upper

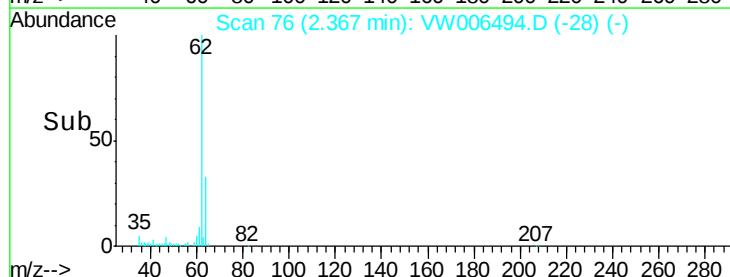
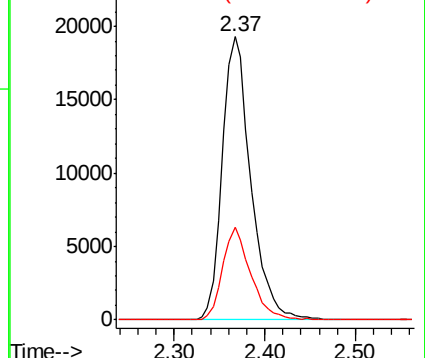
62 100

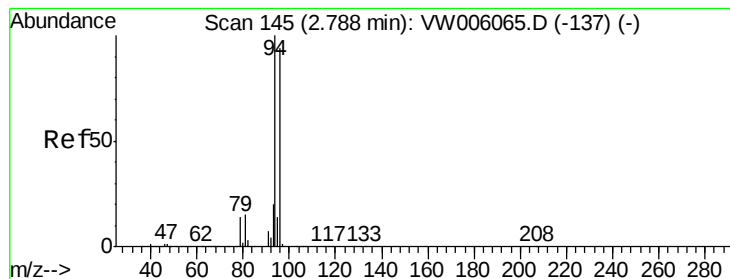
64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.07 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

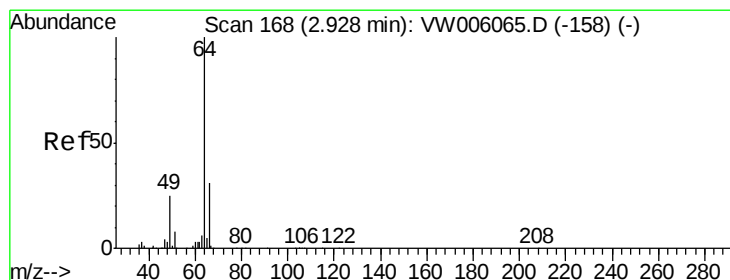
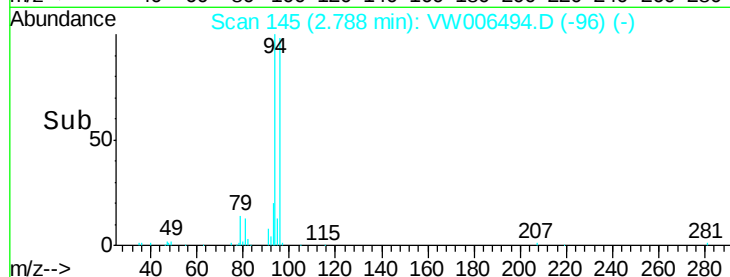
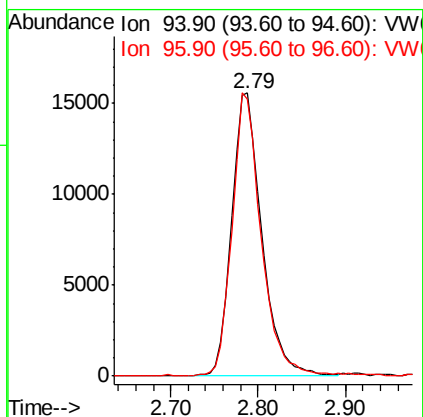
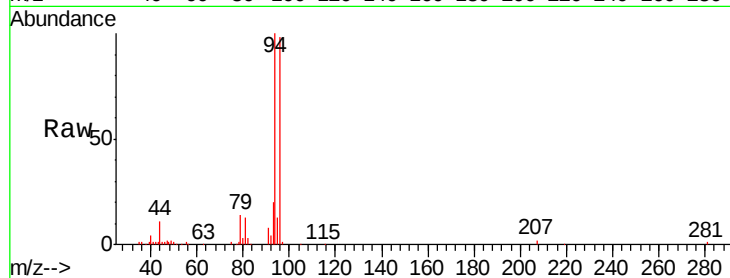
VW1031SBS02

Tgt Ion: 94 Resp: 37528

Ion Ratio Lower Upper

94 100

96 97.8 74.9 112.3



#6

Chloroethane

Concen: 22.15 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006494.D

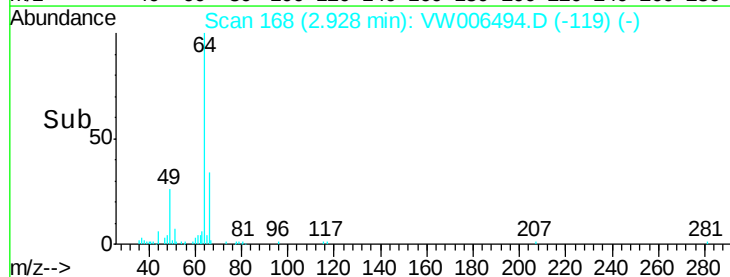
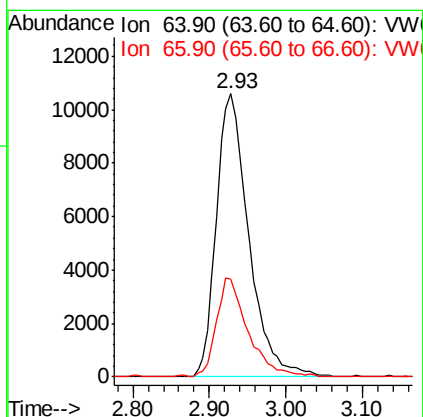
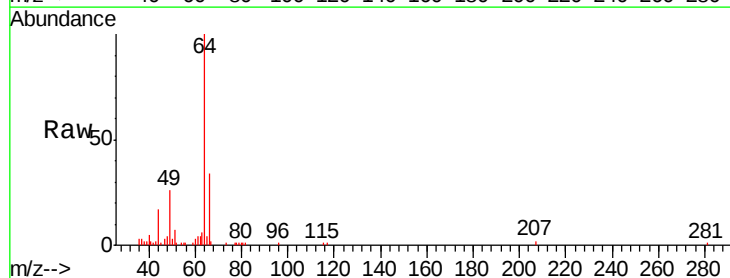
Acq: 30 Oct 2018 11:59

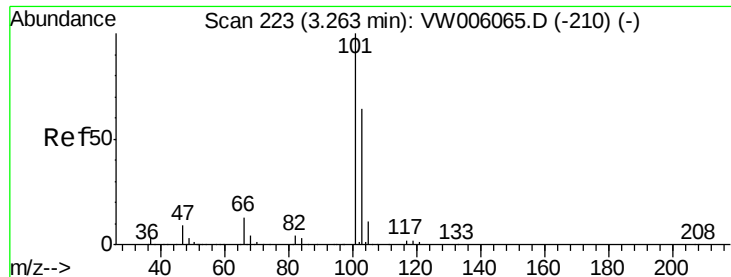
Tgt Ion: 64 Resp: 31093

Ion Ratio Lower Upper

64 100

66 34.4 24.9 37.3





#7

Trichlorofluoromethane

Concen: 21.55 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

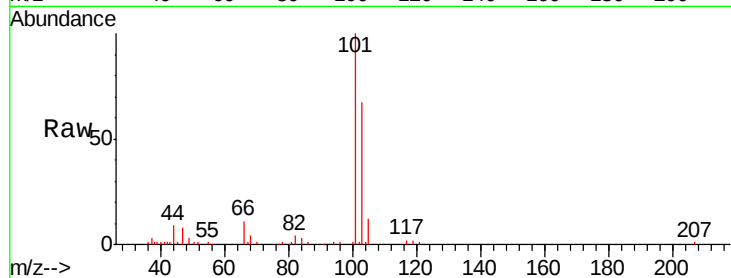
VW1031SBS02

Tgt Ion:101 Resp: 39315

Ion Ratio Lower Upper

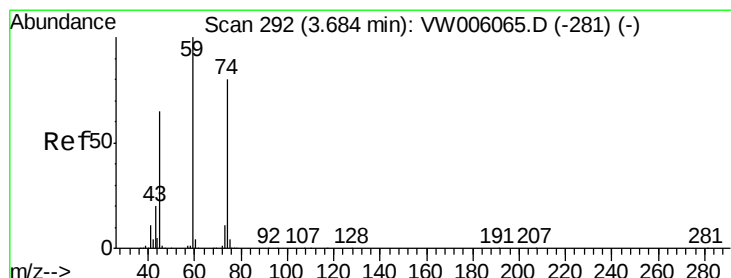
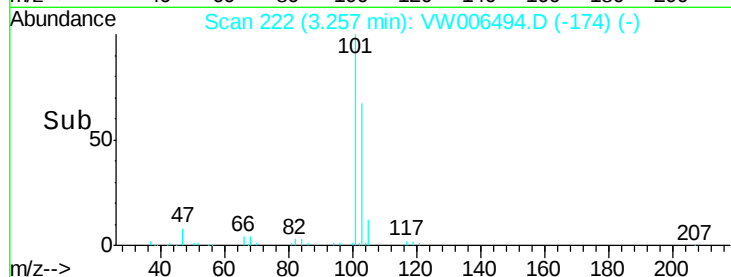
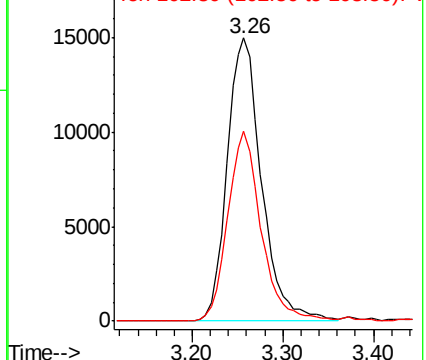
101 100

103 67.1 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.51 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006494.D

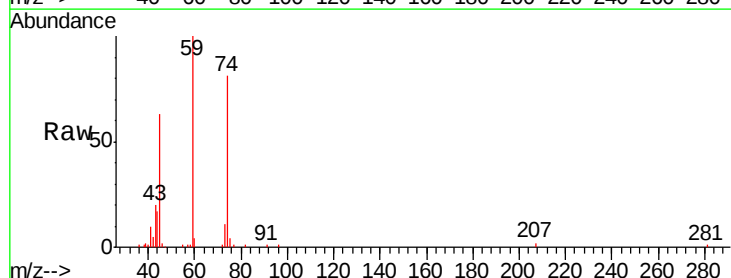
Acq: 30 Oct 2018 11:59

Tgt Ion: 74 Resp: 20851

Ion Ratio Lower Upper

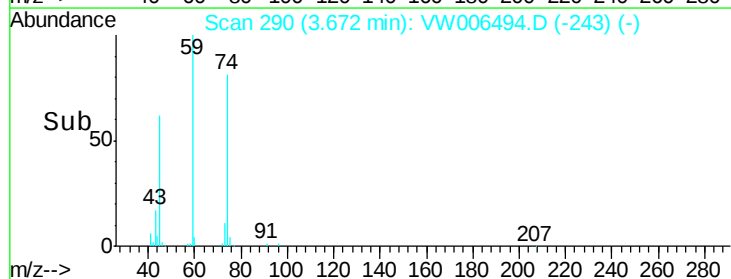
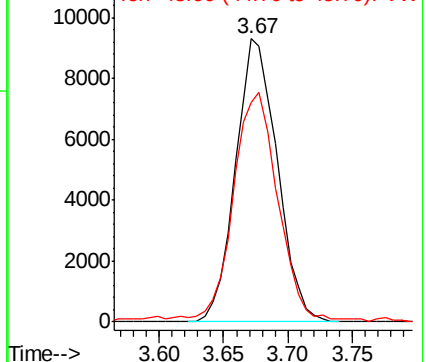
74 100

45 84.8 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.94 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

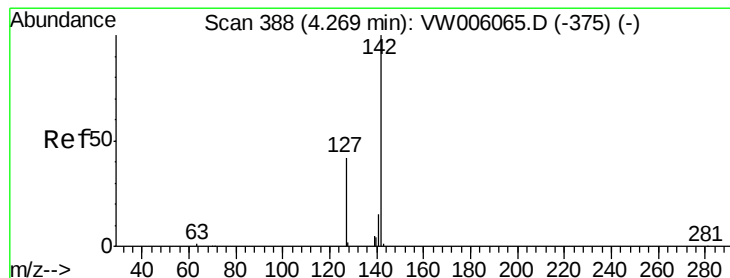
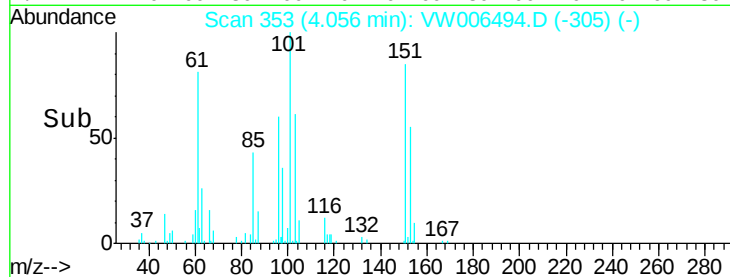
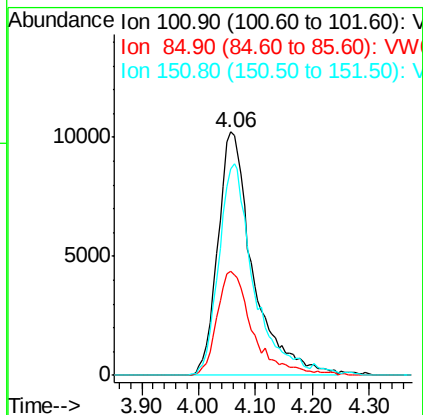
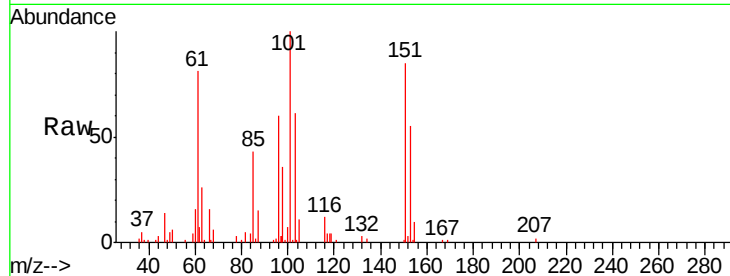
Instrument :

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ClientSampleId :

VW1031SBS02

Tgt Ion:	101	Resp:	43867
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	85.7	70.4	105.6



#10

Methyl Iodide

Concen: 22.29 ug/l

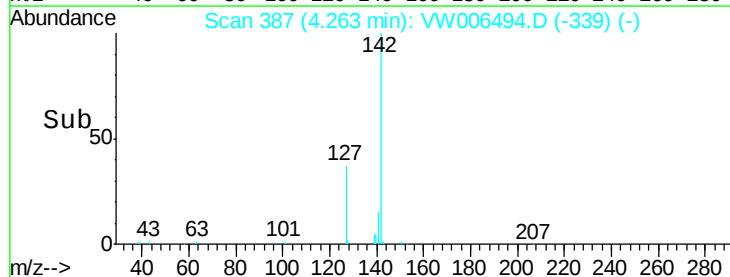
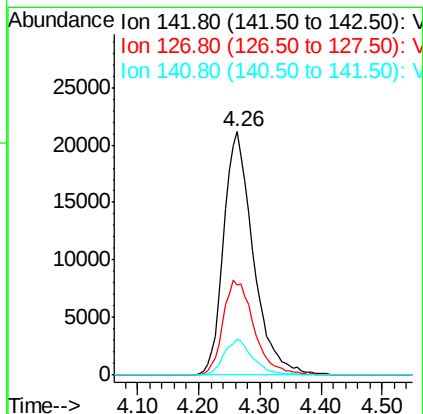
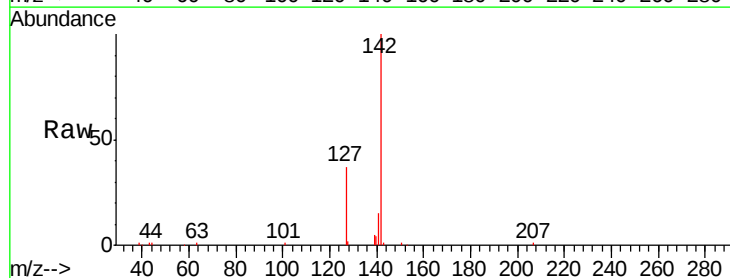
RT: 4.26 min Scan# 387

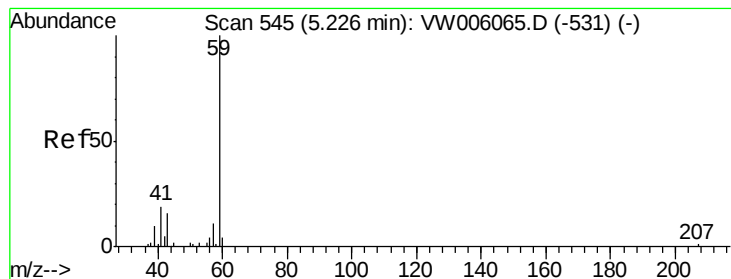
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	142	Resp:	70925
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.6	50.4
141	14.3	11.6	17.4





#11

Tert butyl alcohol

Concen: 92.64 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

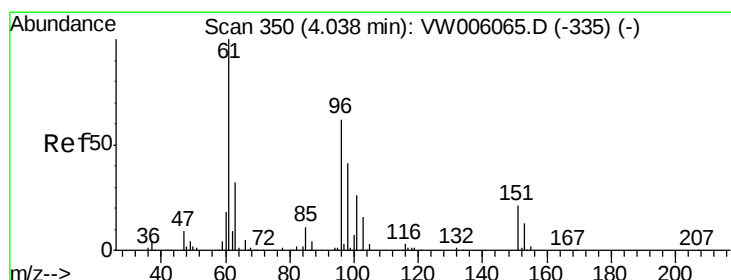
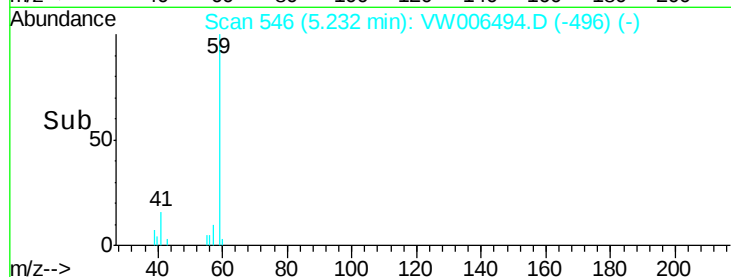
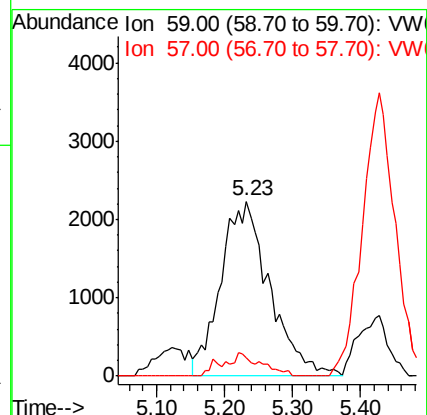
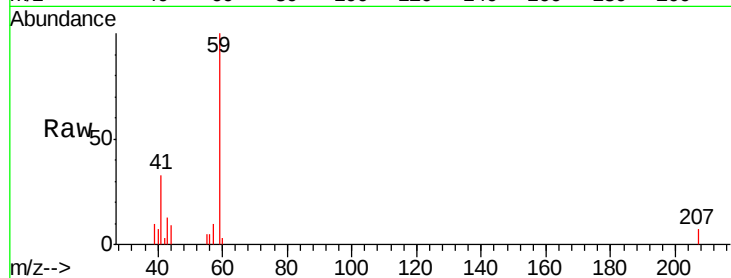
VW1031SBS02

Tgt Ion: 59 Resp: 11120

Ion Ratio Lower Upper

59 100

57 8.3 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 23.02 ug/l

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

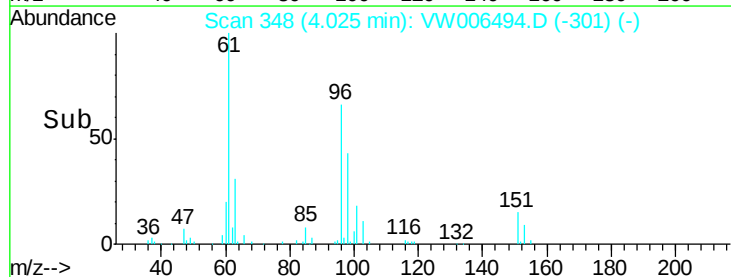
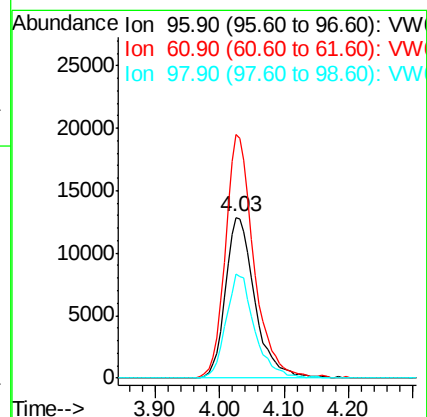
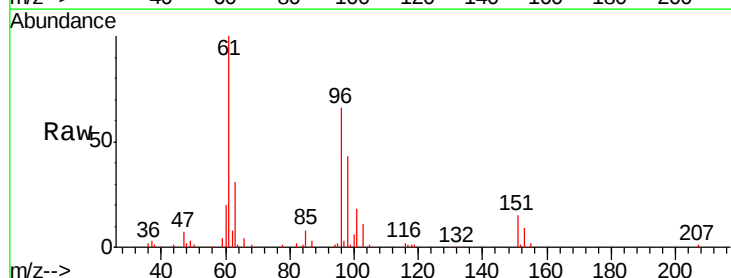
Tgt Ion: 96 Resp: 41400

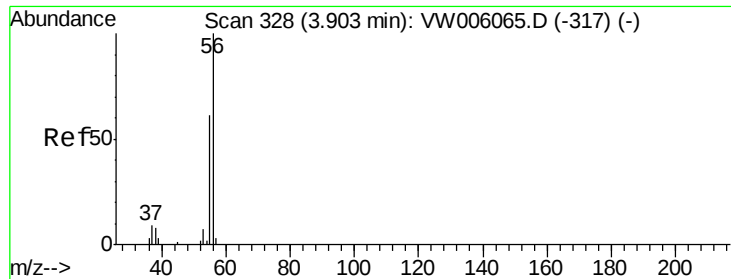
Ion Ratio Lower Upper

96 100

61 151.3 129.3 193.9

98 64.5 53.1 79.7





#13

Acrolein

Concen: 91.24 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

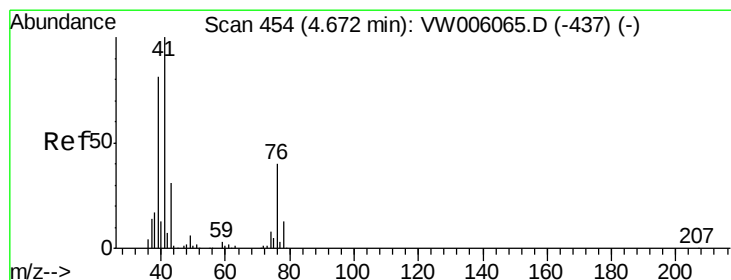
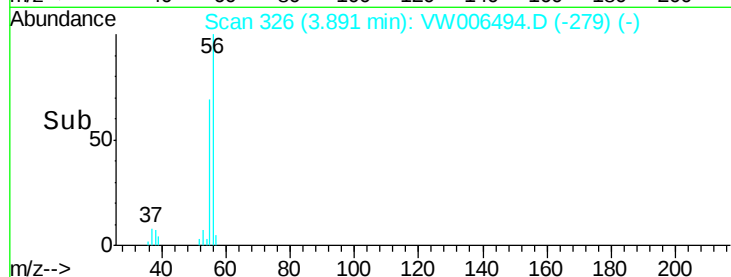
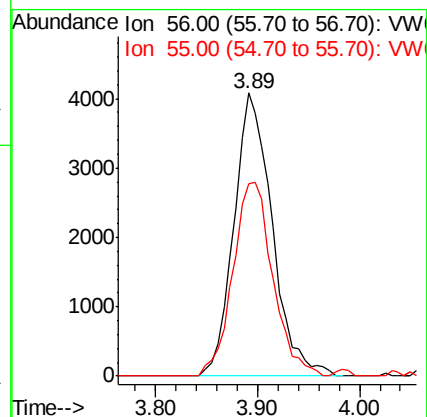
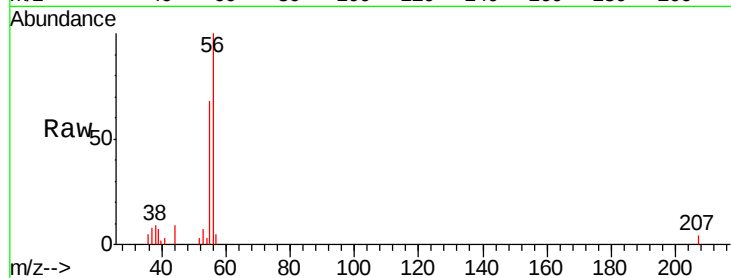
VW1031SBS02

Tgt Ion: 56 Resp: 10598

Ion Ratio Lower Upper

56 100

55 71.5 54.5 81.7



#14

Allyl chloride

Concen: 20.49 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

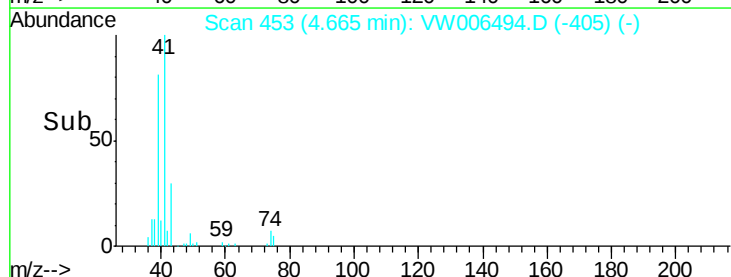
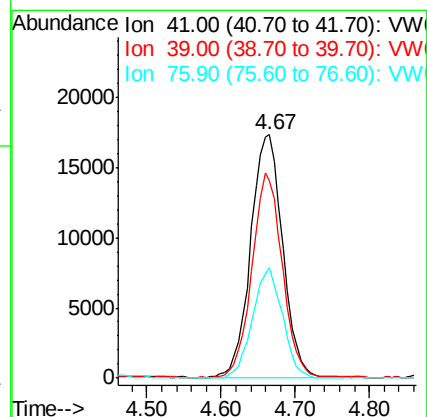
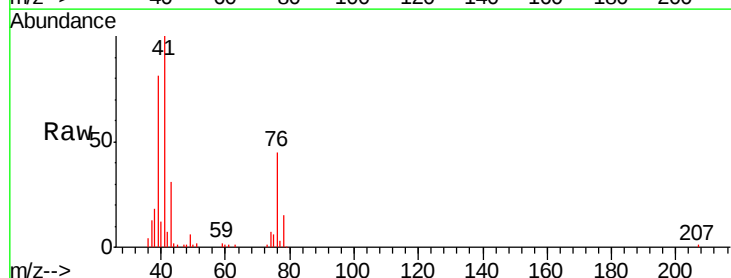
Tgt Ion: 41 Resp: 52694

Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 42.1 32.2 48.4





#15

Acrylonitrile

Concen: 102.59 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

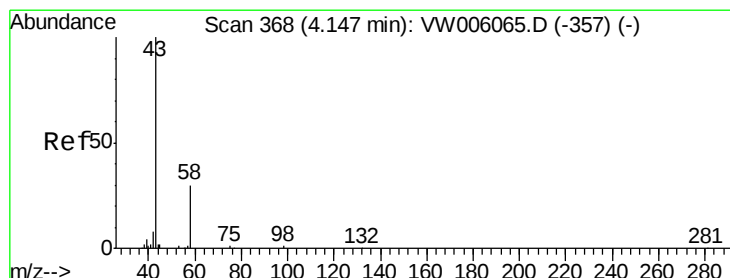
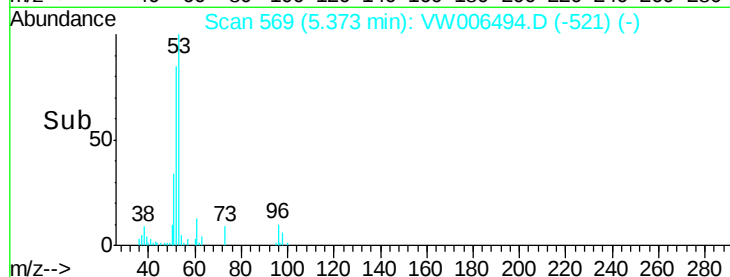
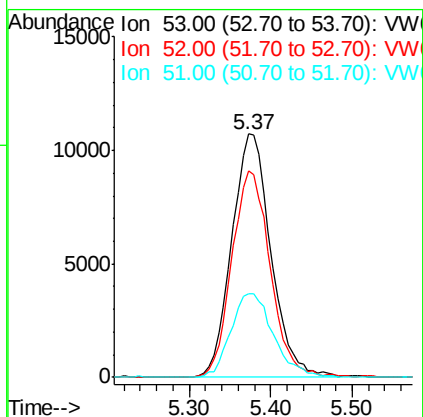
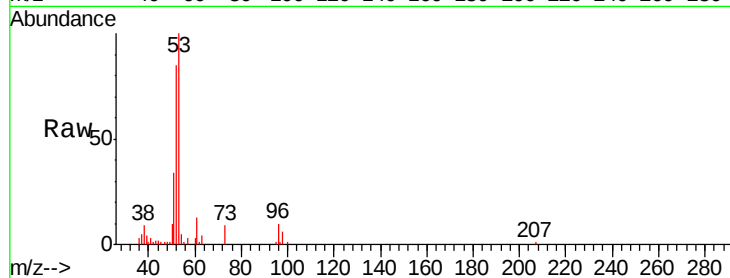
Tgt Ion: 53 Resp: 35678

Ion Ratio Lower Upper

53 100

52 82.9 66.9 100.3

51 37.5 30.1 45.1



#16

Acetone

Concen: 128.08 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006494.D

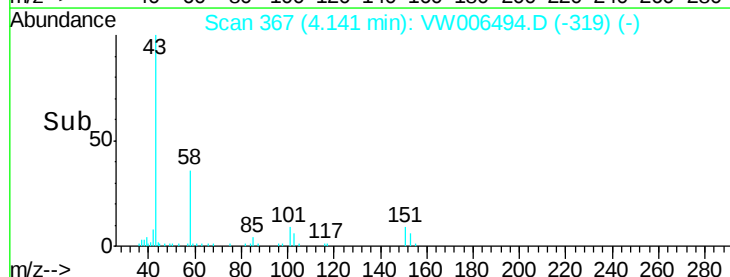
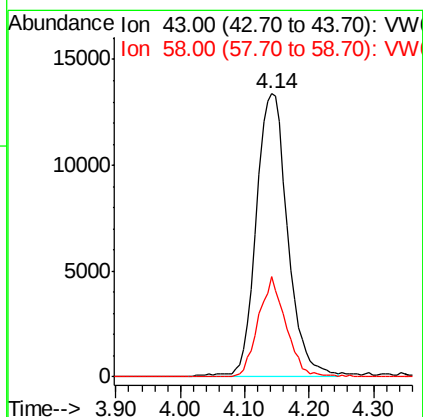
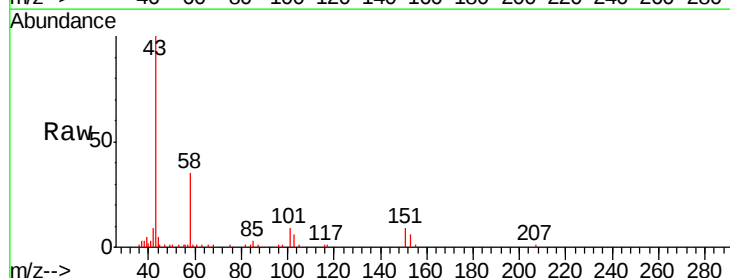
Acq: 30 Oct 2018 11:59

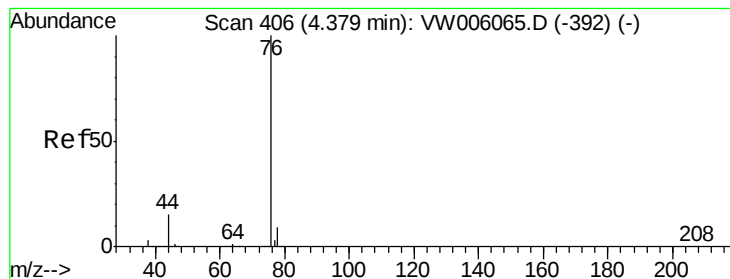
Tgt Ion: 43 Resp: 45304

Ion Ratio Lower Upper

43 100

58 35.3 24.0 36.0





#17

Carbon Disulfide

Concen: 19.05 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

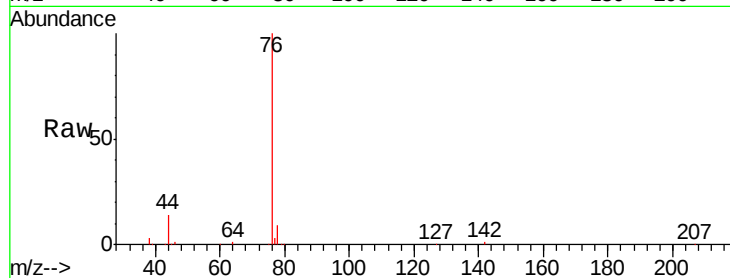
VW1031SBS02

Tgt Ion: 76 Resp: 103437

Ion Ratio Lower Upper

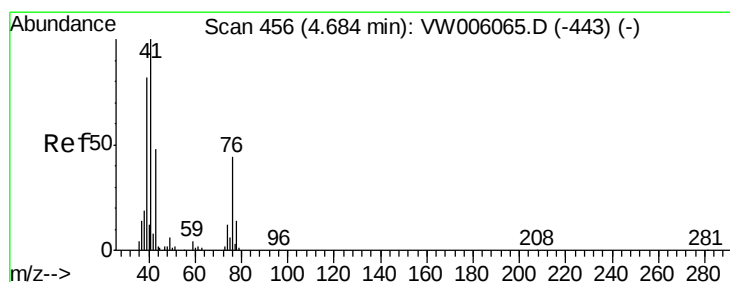
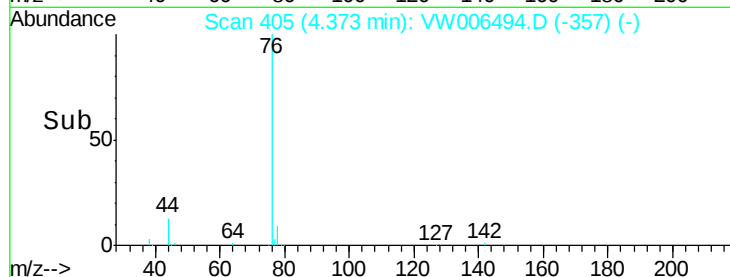
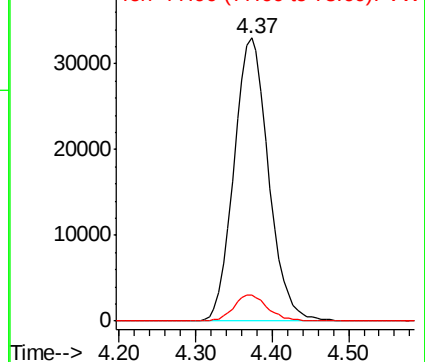
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.81 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006494.D

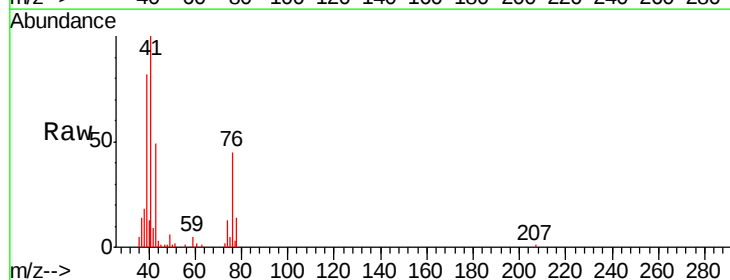
Acq: 30 Oct 2018 11:59

Tgt Ion: 43 Resp: 17795

Ion Ratio Lower Upper

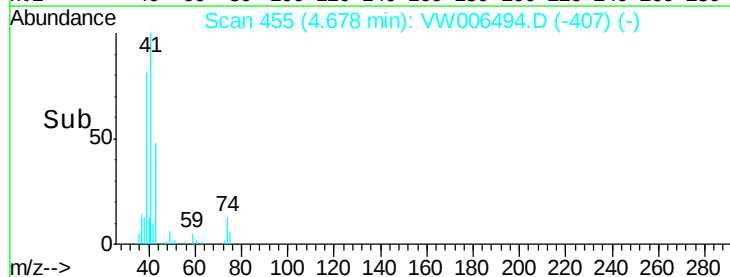
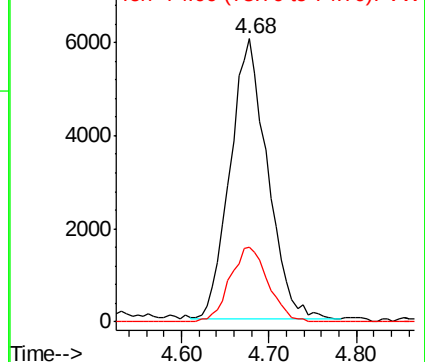
43 100

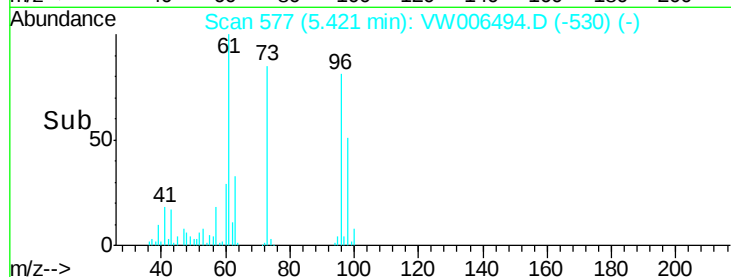
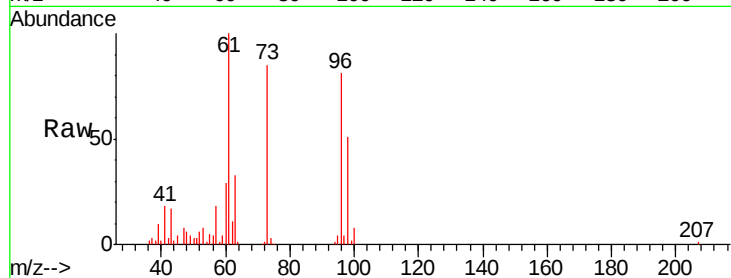
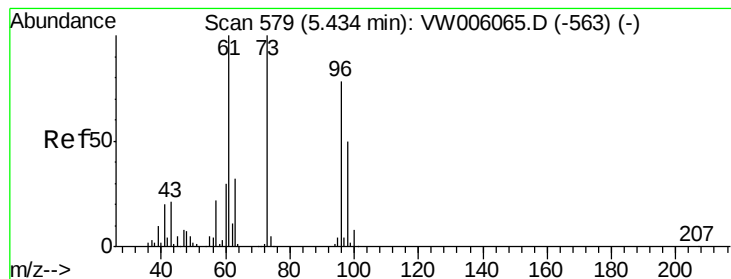
74 27.4 20.5 30.7



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: 20.04 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

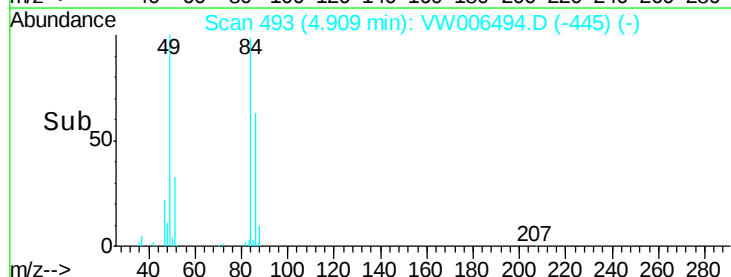
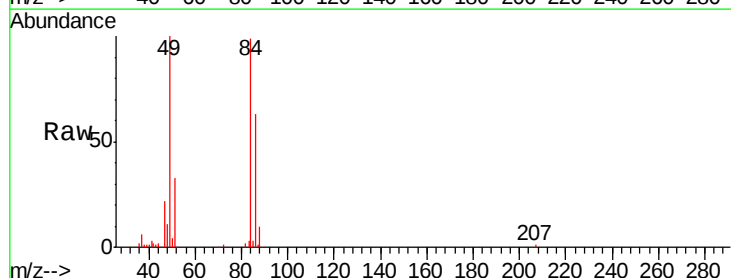
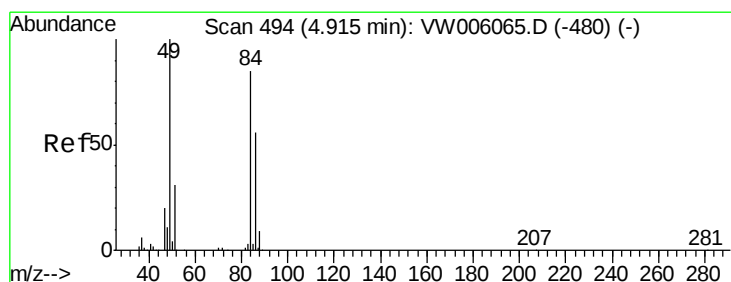
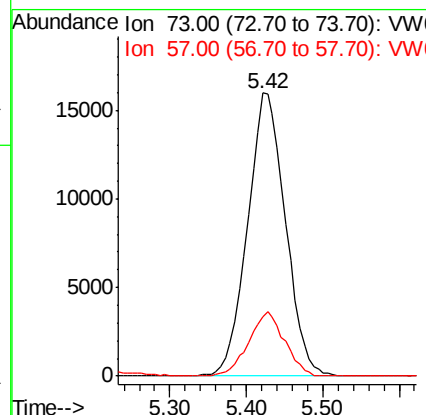
VW1031SBS02

Tgt Ion: 73 Resp: 54892

Ion Ratio Lower Upper

73 100

57 21.1 17.4 26.2



#20

Methylene Chloride

Concen: 23.42 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion: 84 Resp: 45866

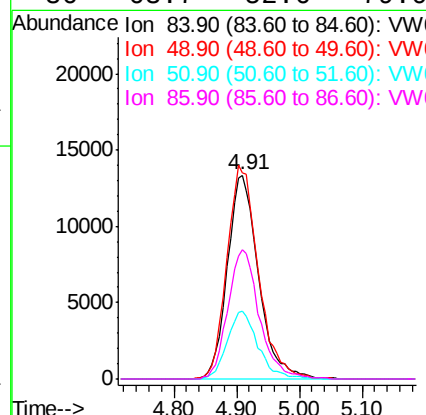
Ion Ratio Lower Upper

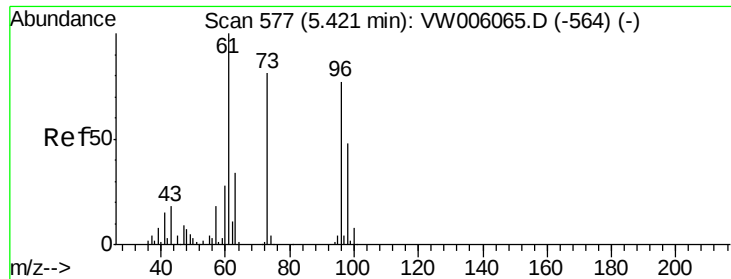
84 100

49 101.3 93.6 140.4

51 33.5 29.0 43.4

86 63.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.74 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

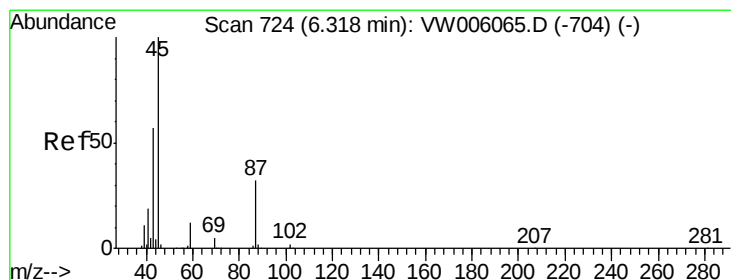
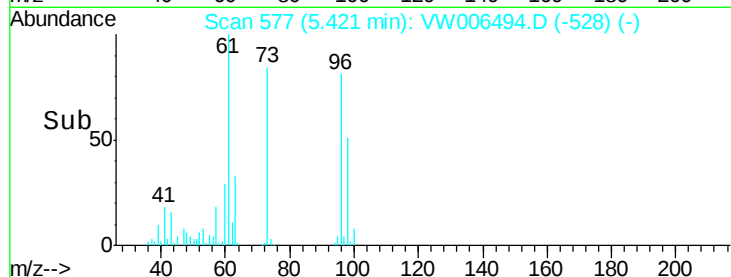
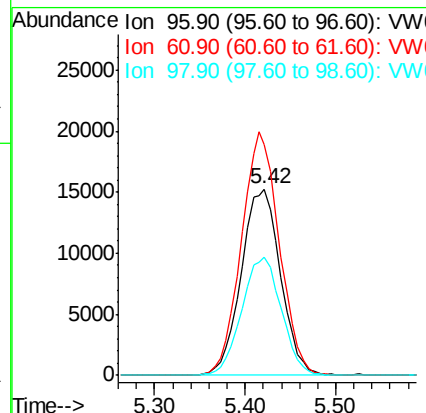
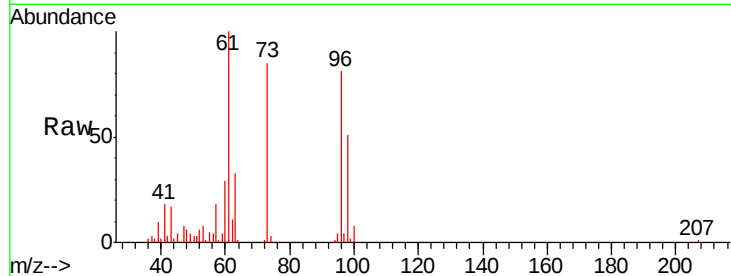
Tgt Ion: 96 Resp: 45648

Ion Ratio Lower Upper

96 100

61 123.5 104.5 156.7

98 63.5 50.6 75.8



#22

Diisopropyl ether

Concen: 20.91 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion: 45 Resp: 106251

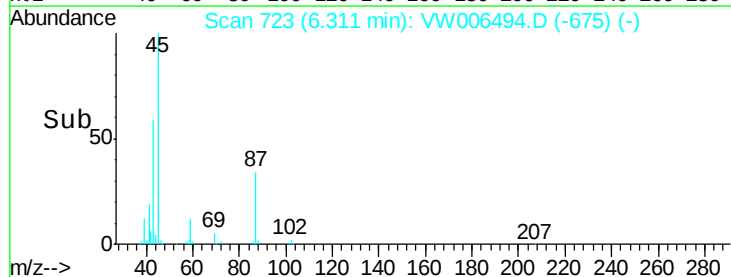
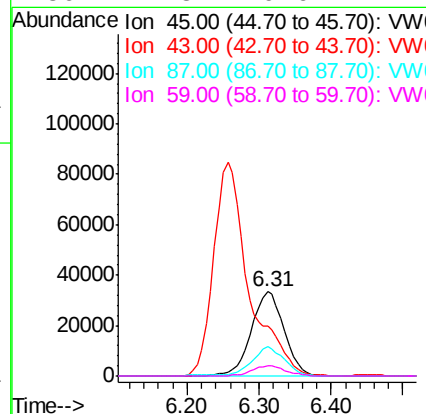
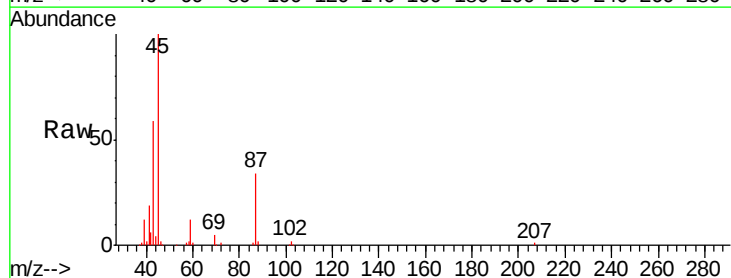
Ion Ratio Lower Upper

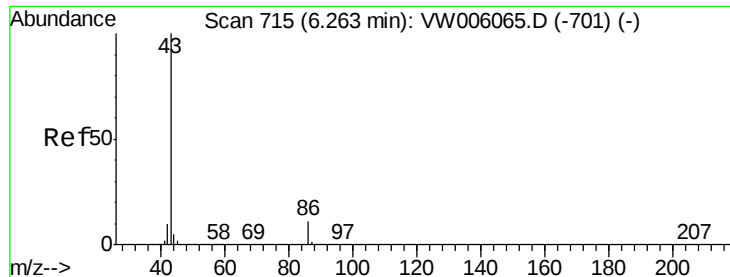
45 100

43 58.0 45.7 68.5

87 34.2 25.9 38.9

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 96.48 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

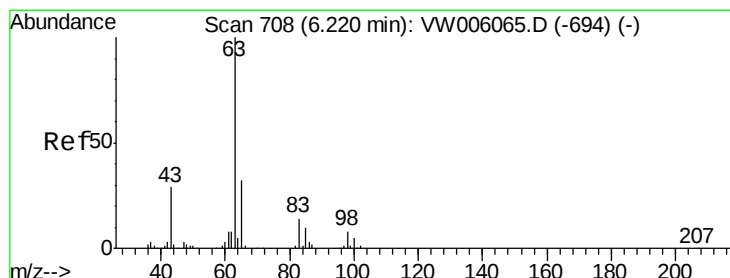
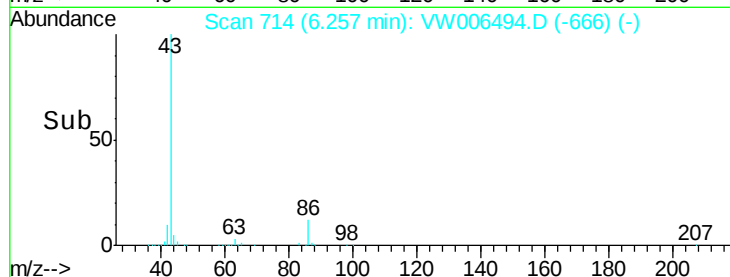
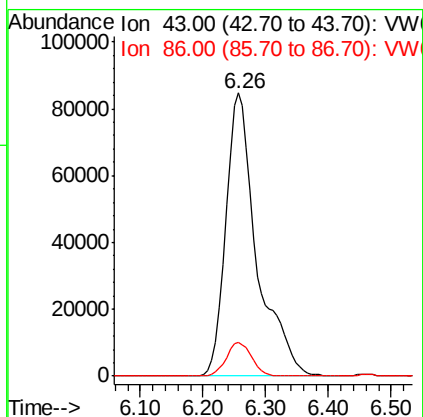
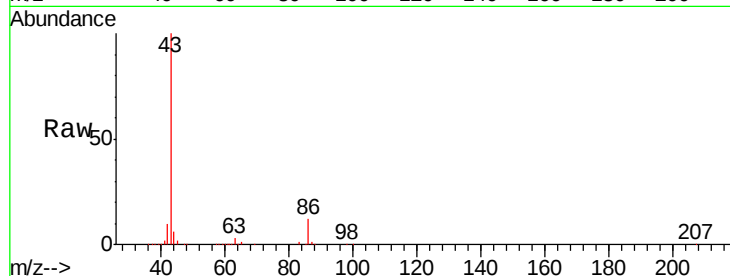
VW1031SBS02

Tgt Ion: 43 Resp: 289387

Ion Ratio Lower Upper

43 100

86 11.8 9.0 13.6



#24

1,1-Dichloroethane

Concen: 23.08 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

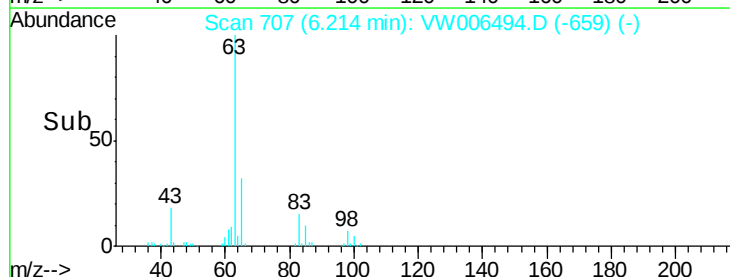
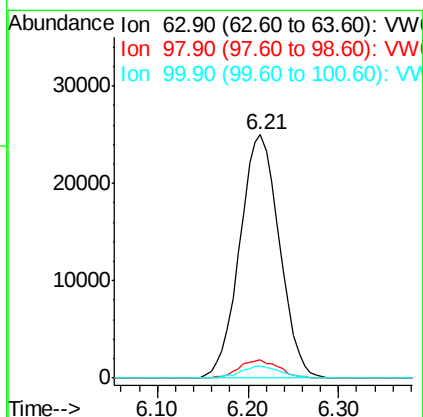
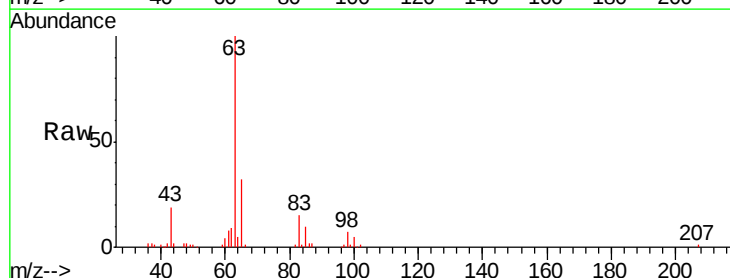
Tgt Ion: 63 Resp: 75698

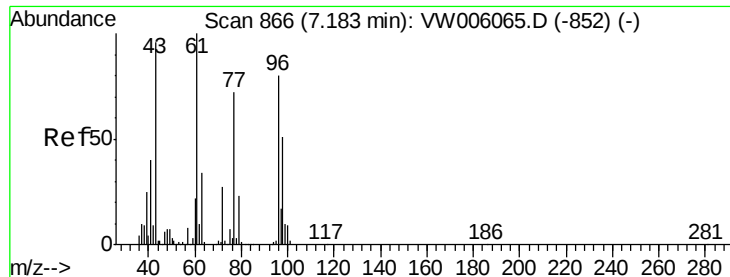
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 109.18 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampled :

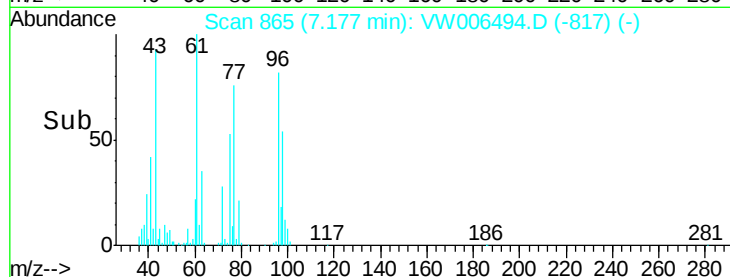
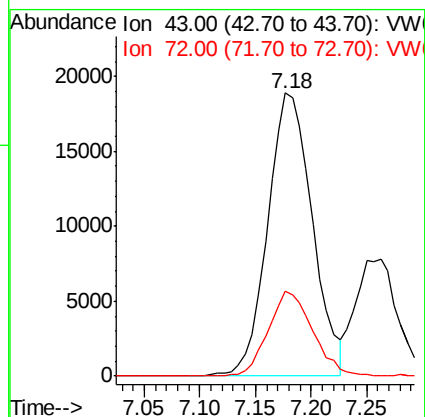
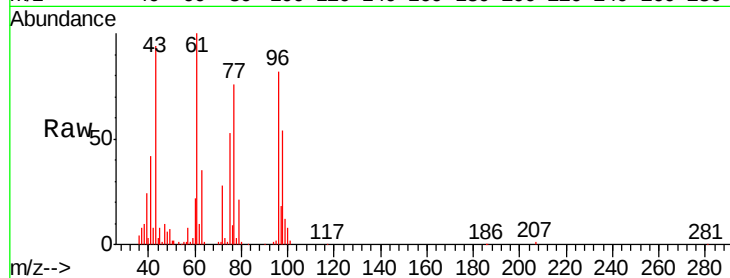
VW1031SBS02

Tgt Ion: 43 Resp: 52642

Ion Ratio Lower Upper

43 100

72 30.2 22.8 34.2



#26

2,2-Dichloropropane

Concen: 22.59 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006494.D

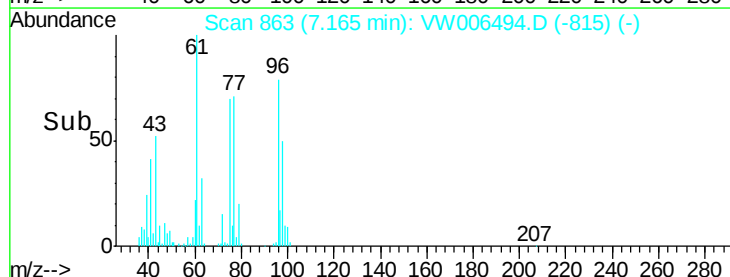
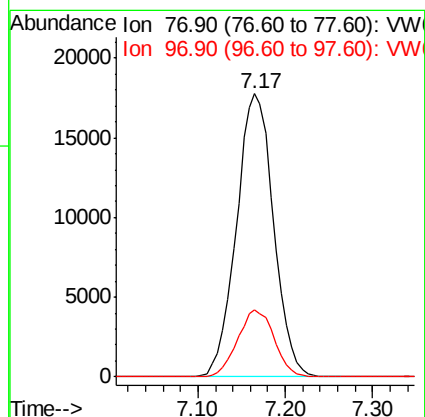
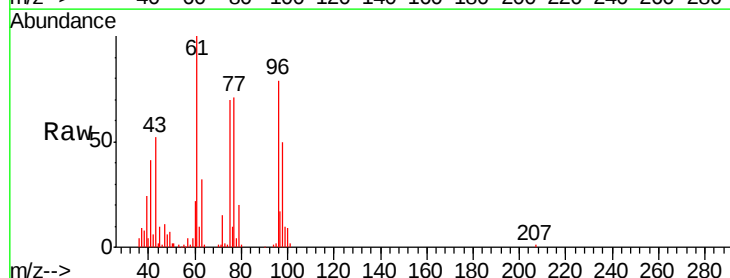
Acq: 30 Oct 2018 11:59

Tgt Ion: 77 Resp: 52240

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 23.10 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

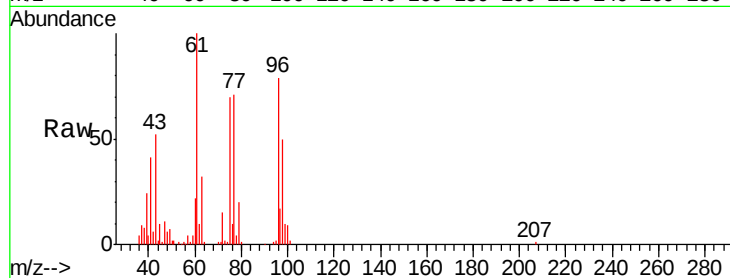
Tgt Ion: 96 Resp: 51170

Ion Ratio Lower Upper

96 100

61 131.0 0.0 267.2

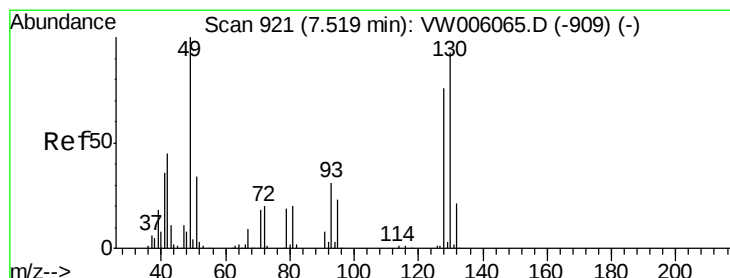
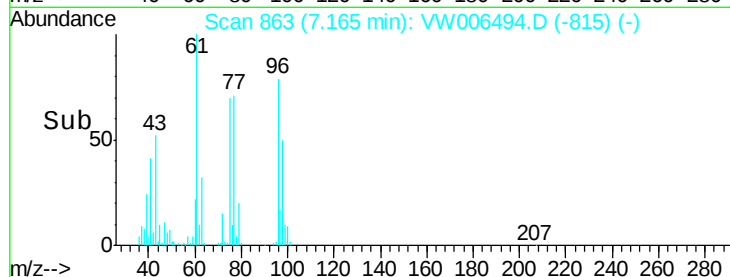
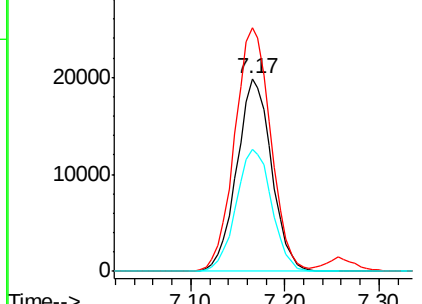
98 64.9 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 17.82 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

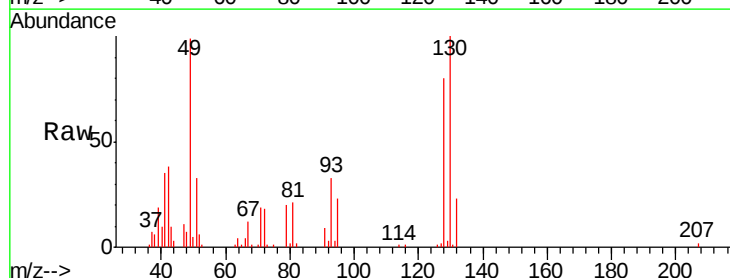
Tgt Ion: 49 Resp: 22567

Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

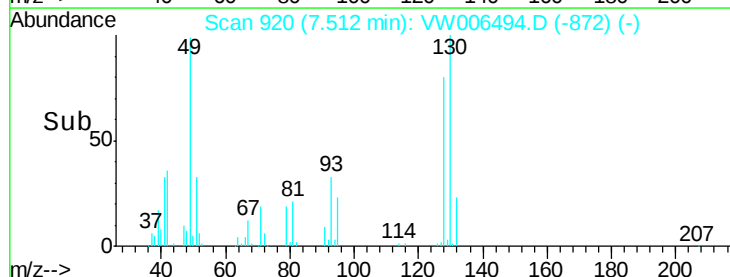
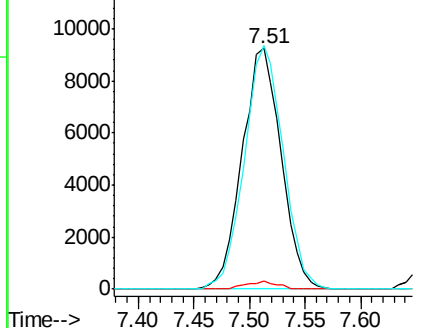
130 100.8 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.82 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

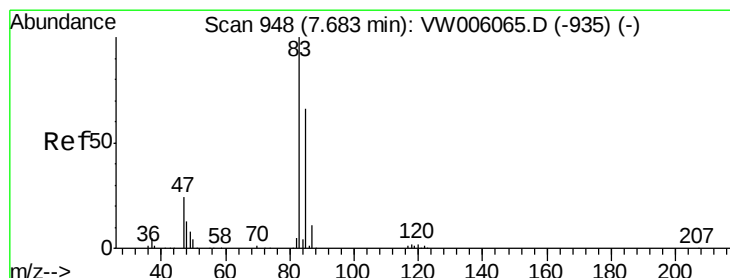
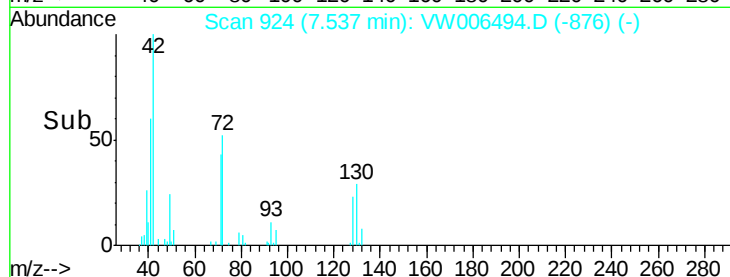
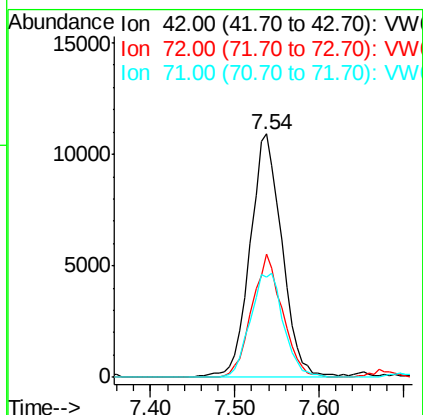
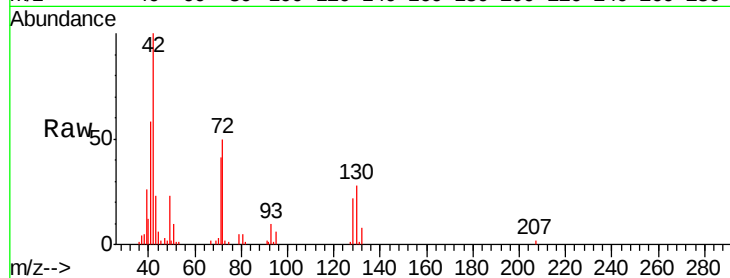
Tgt Ion: 42 Resp: 28103

Ion Ratio Lower Upper

42 100

72 48.6 38.0 57.0

71 44.7 35.3 52.9



#30

Chloroform

Concen: 22.97 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006494.D

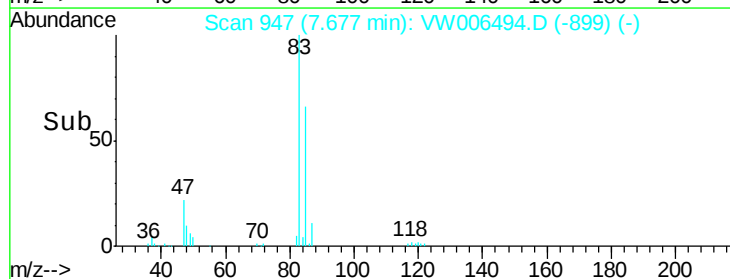
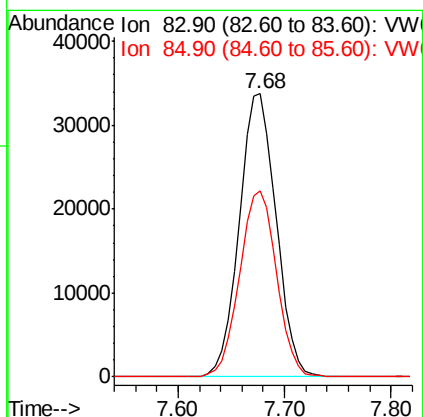
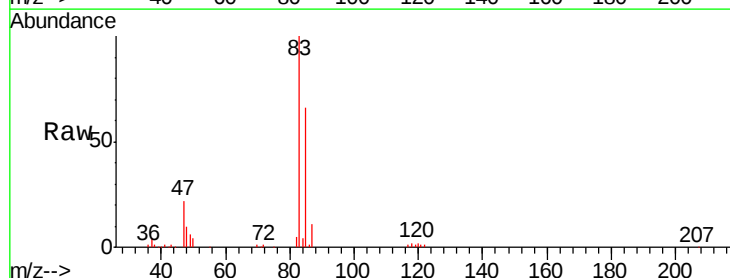
Acq: 30 Oct 2018 11:59

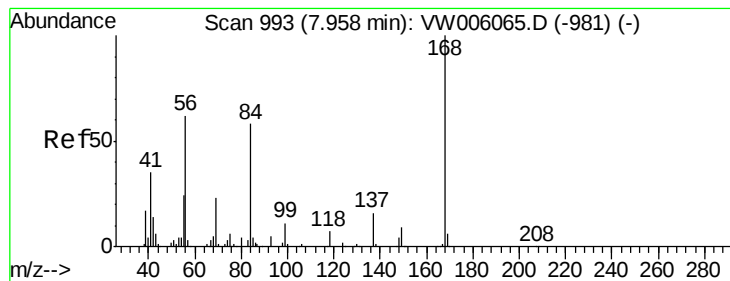
Tgt Ion: 83 Resp: 82078

Ion Ratio Lower Upper

83 100

85 65.7 52.6 79.0





#31

Cyclohexane

Concen: 20.59 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

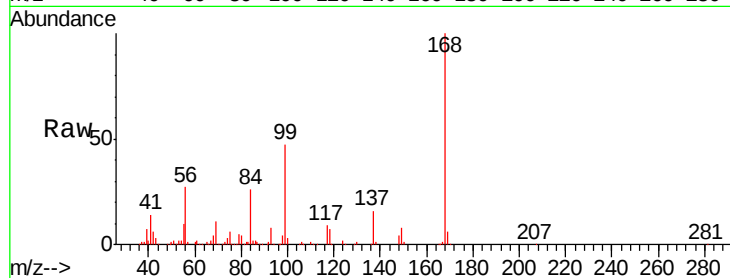
Tgt Ion: 56 Resp: 67238

Ion Ratio Lower Upper

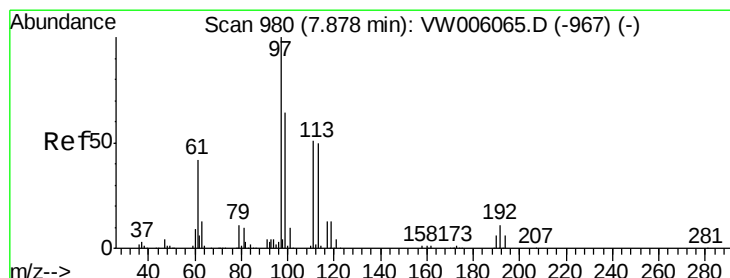
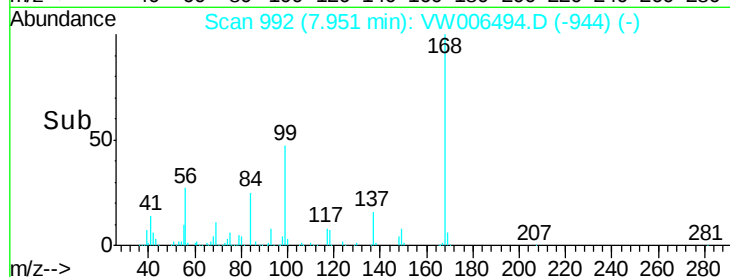
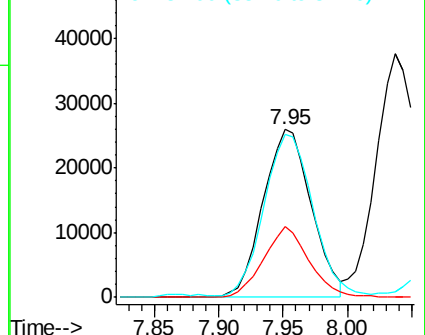
56 100

69 41.8 29.4 44.0

84 96.0 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 22.85 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

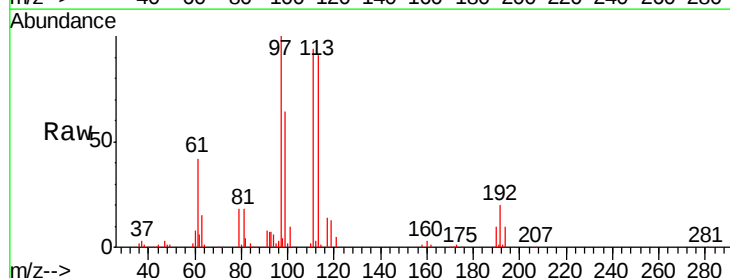
Tgt Ion: 97 Resp: 73645

Ion Ratio Lower Upper

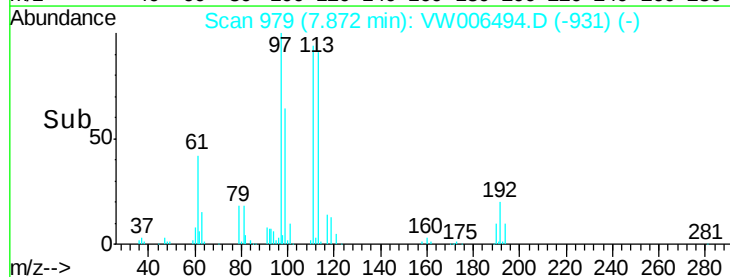
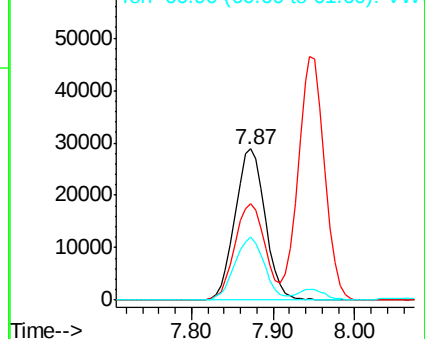
97 100

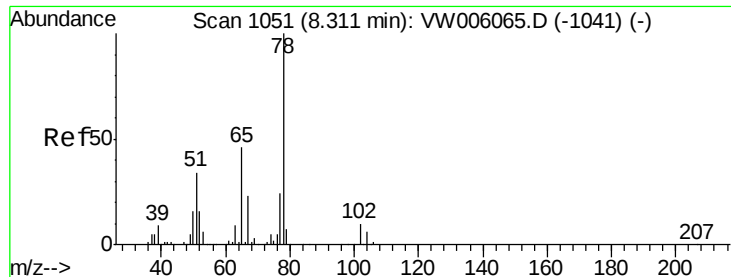
99 64.5 50.9 76.3

61 41.1 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 43.23 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

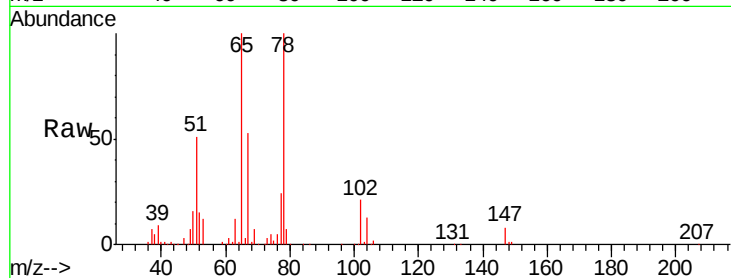
VW1031SBS02

Tgt Ion: 65 Resp: 77159

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

20000

10000

0

8.20

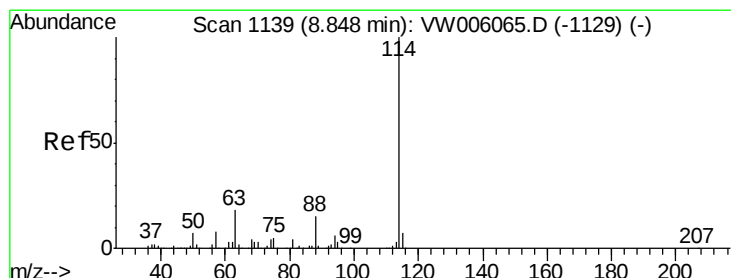
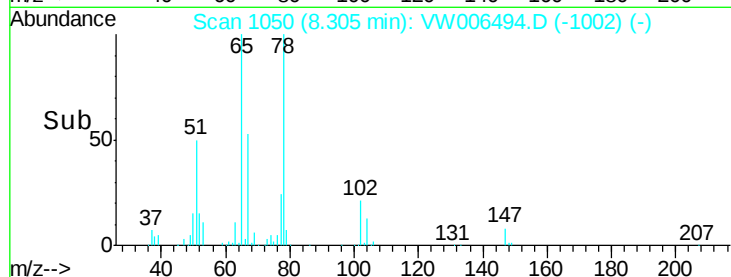
8.25

8.30

8.35

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

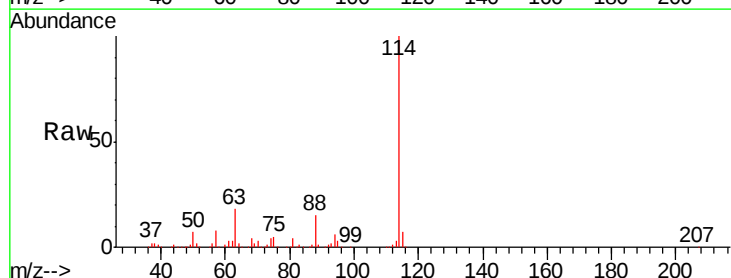
Tgt Ion: 114 Resp: 295244

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

200000

150000

100000

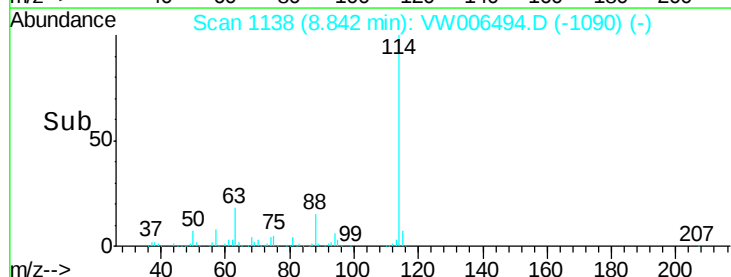
50000

0

8.80

8.90

Time-->





#35

Dibromofluoromethane

Concen: 48.19 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

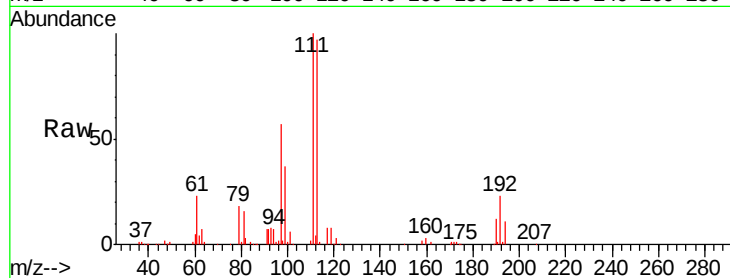
Tgt Ion:113 Resp: 84063

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

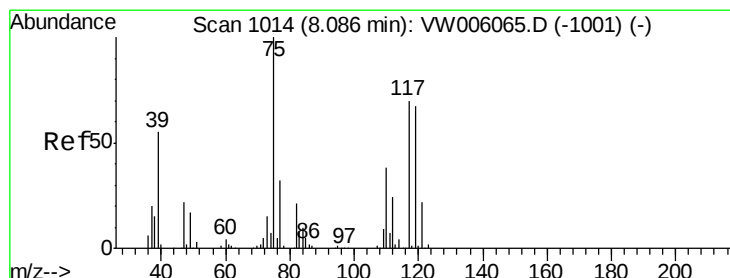
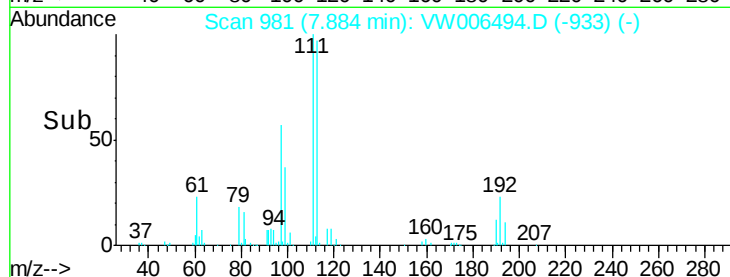
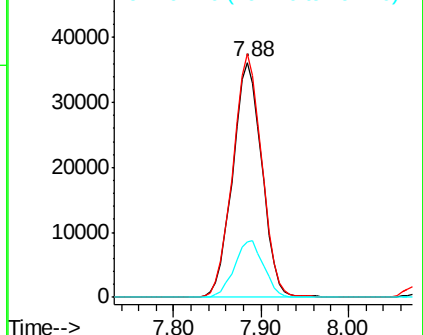
192 24.1 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 24.05 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

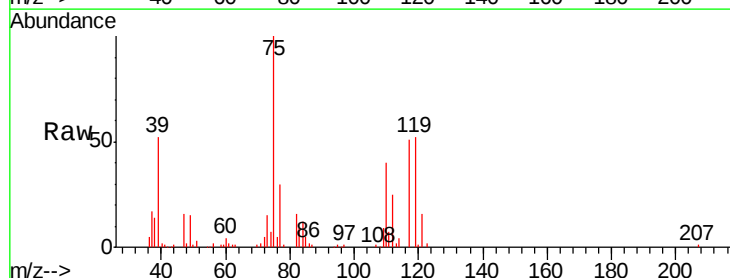
Tgt Ion: 75 Resp: 65458

Ion Ratio Lower Upper

75 100

110 39.1 19.1 57.1

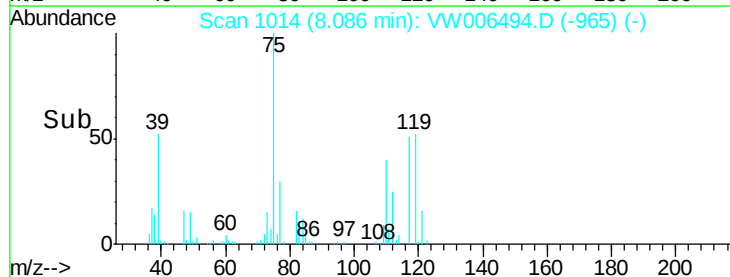
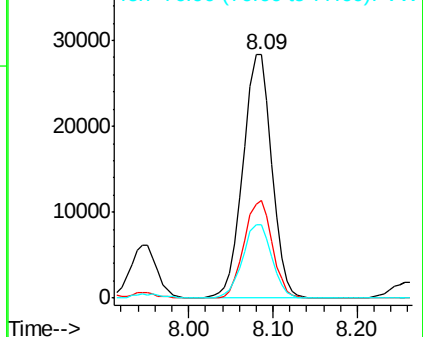
77 30.7 25.0 37.4

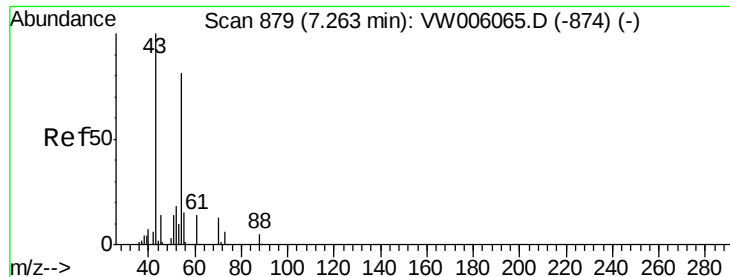


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

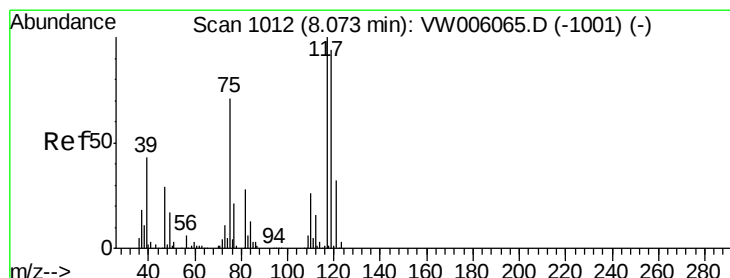
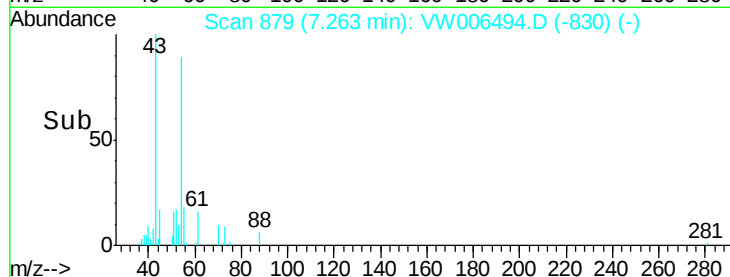
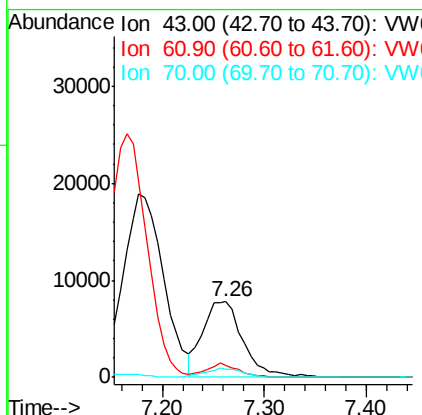
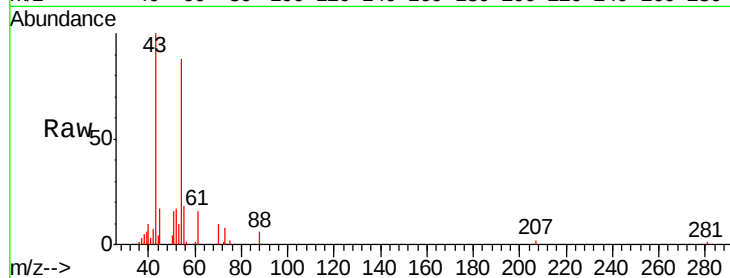




#37
Ethyl Acetate
Concen: 21.03 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

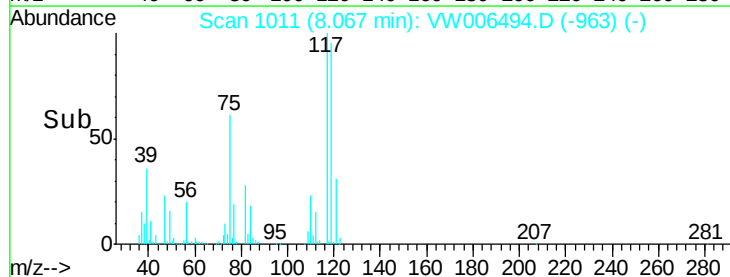
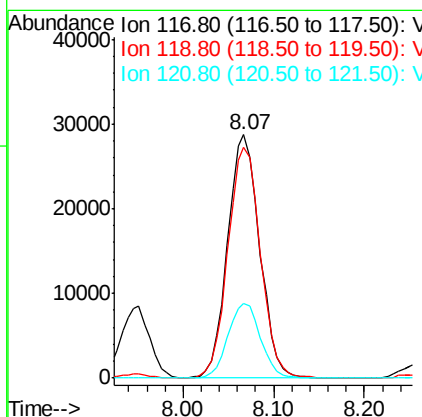
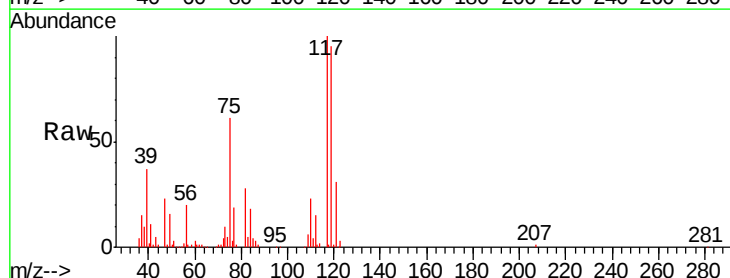
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

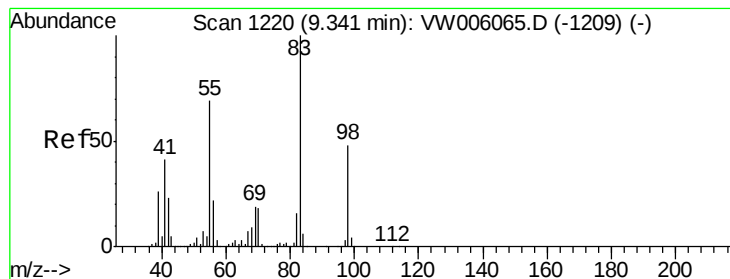
Tgt Ion: 43 Resp: 21267
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 11.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 23.63 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion: 117 Resp: 70485
Ion Ratio Lower Upper
117 100
119 95.0 75.2 112.8
121 30.8 25.3 37.9





#39

Methylcyclohexane

Concen: 22.78 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

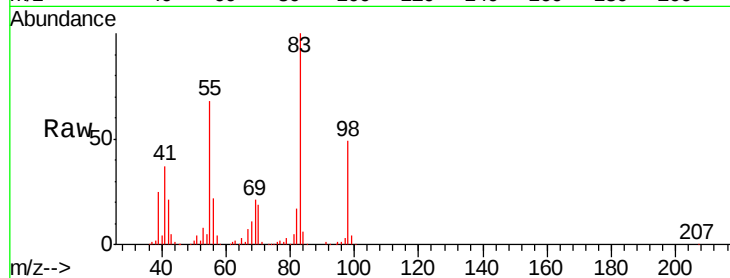
Tgt Ion: 83 Resp: 82397

Ion Ratio Lower Upper

83 100

55 67.8 55.0 82.6

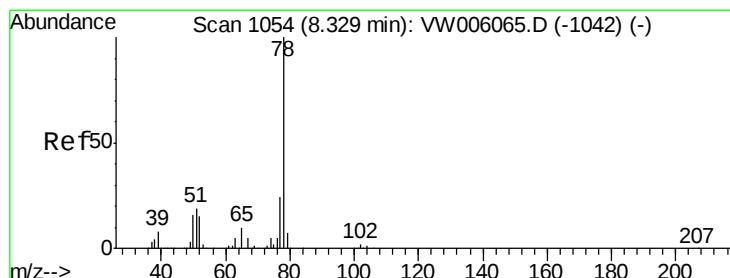
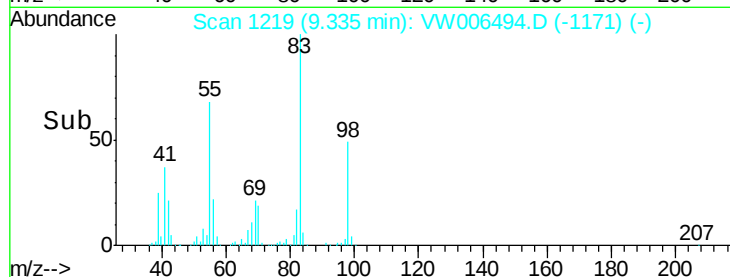
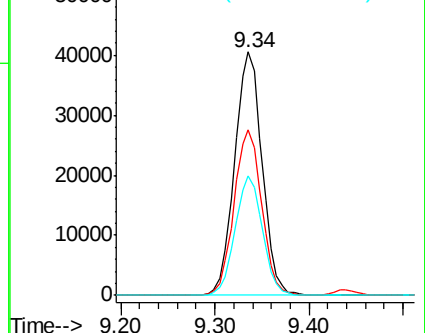
98 49.1 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 24.15 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006494.D

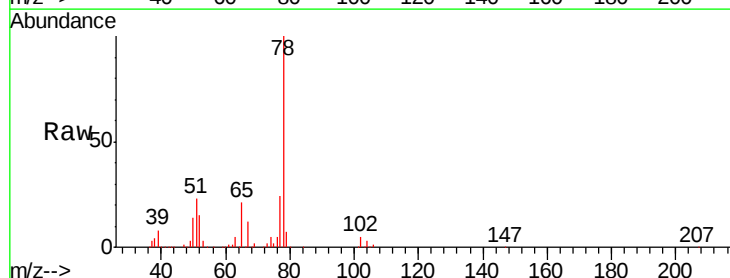
Acq: 30 Oct 2018 11:59

Tgt Ion: 78 Resp: 180243

Ion Ratio Lower Upper

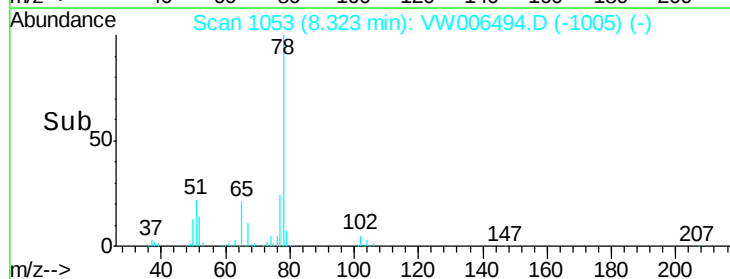
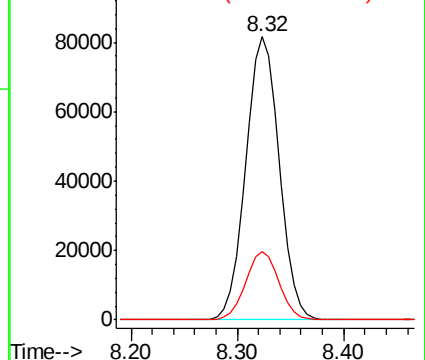
78 100

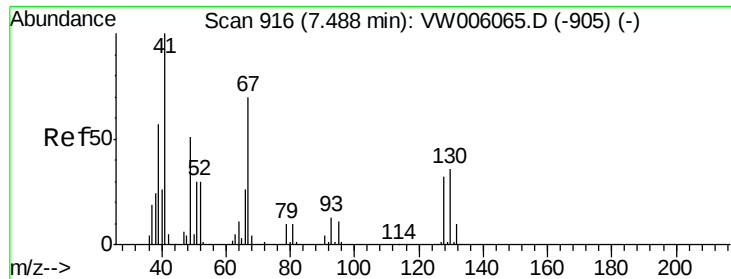
77 24.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

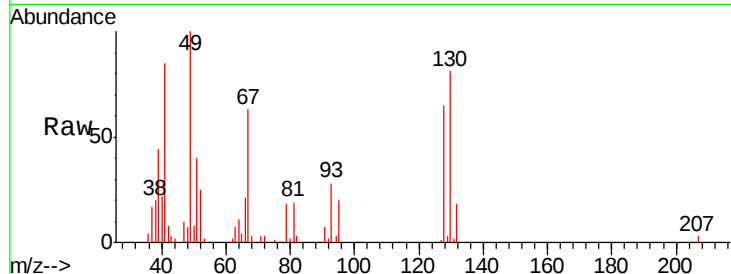




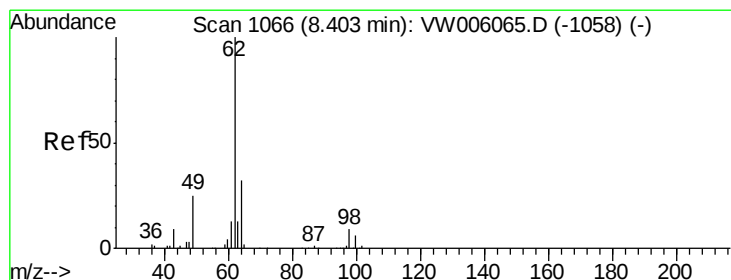
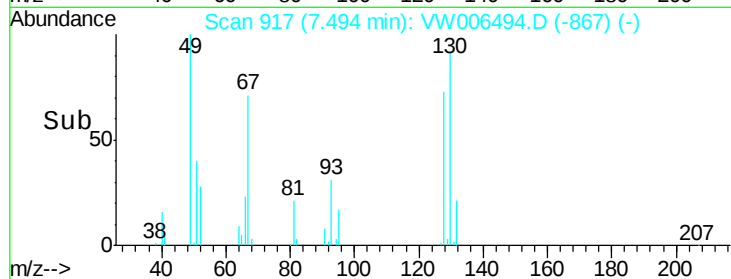
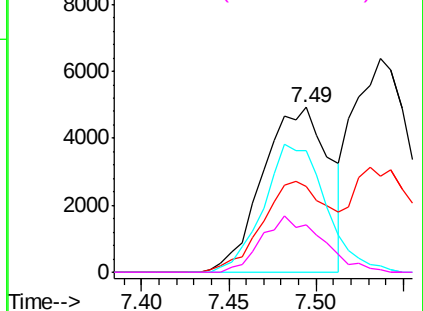
#41
Methacrylonitrile
Concen: 21.49 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tgt Ion:	41	Resp:	13098
Ion	Ratio	Lower	Upper
41	100		
39	54.8	46.2	69.4
67	72.3	57.7	86.5
52	31.1	24.7	37.1

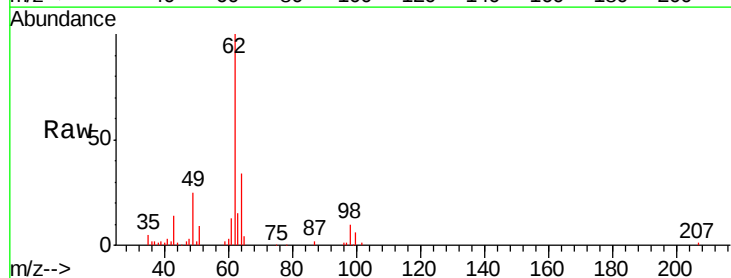


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

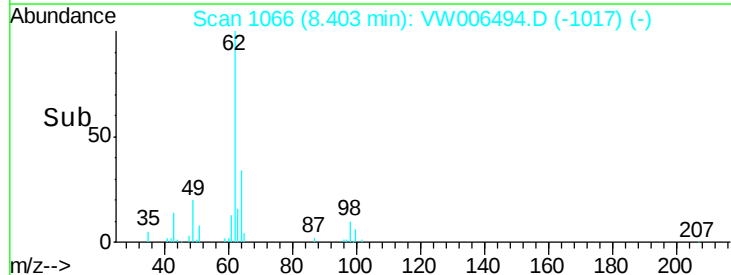
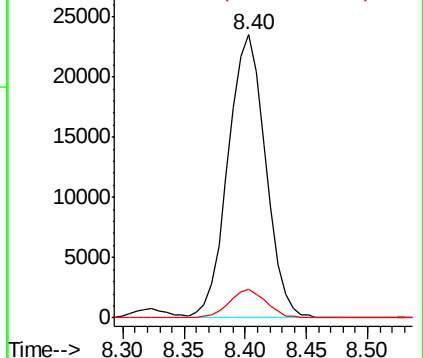


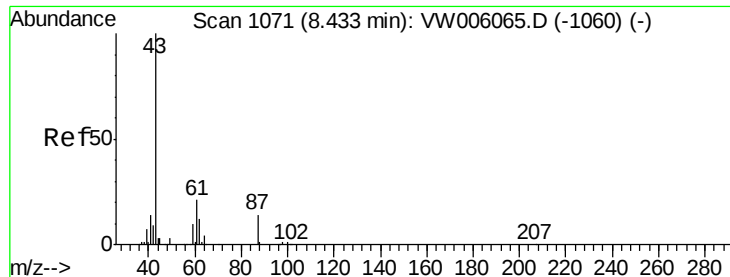
#42
1,2-Dichloroethane
Concen: 22.77 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:	62	Resp:	49938
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 19.79 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

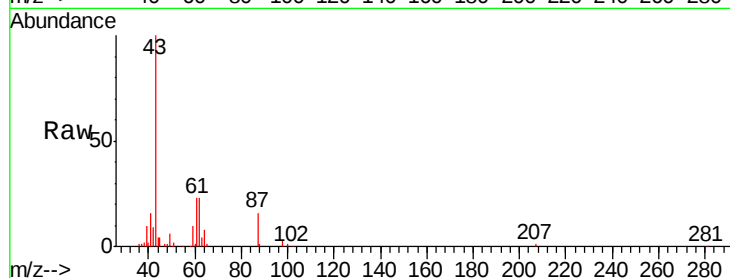
Tgt Ion: 43 Resp: 40914

Ion Ratio Lower Upper

43 100

61 33.6 25.5 38.3

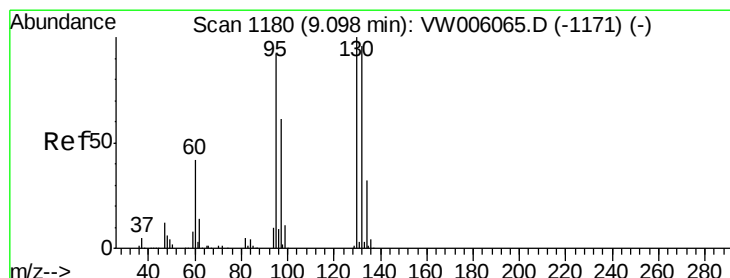
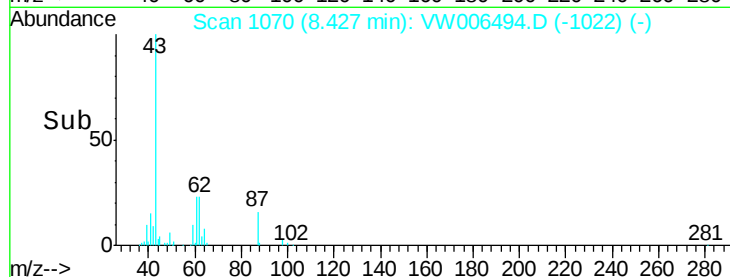
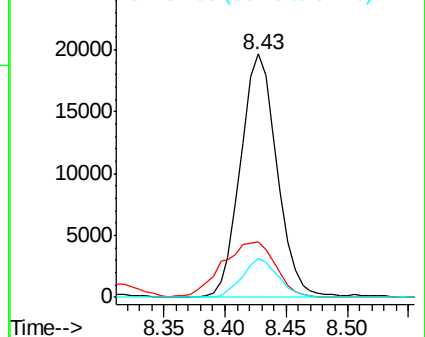
87 15.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 24.66 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006494.D

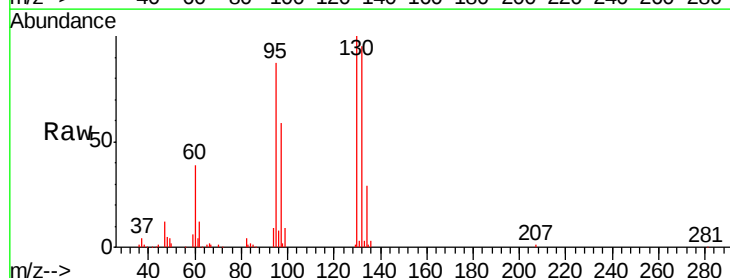
Acq: 30 Oct 2018 11:59

Tgt Ion: 130 Resp: 56477

Ion Ratio Lower Upper

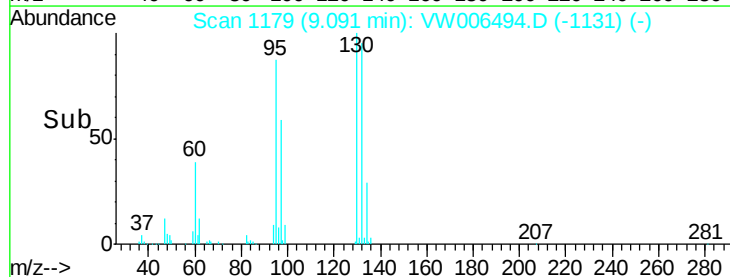
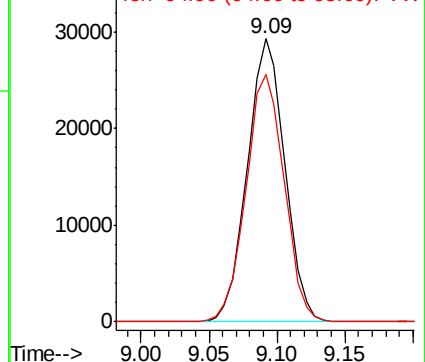
130 100

95 87.5 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

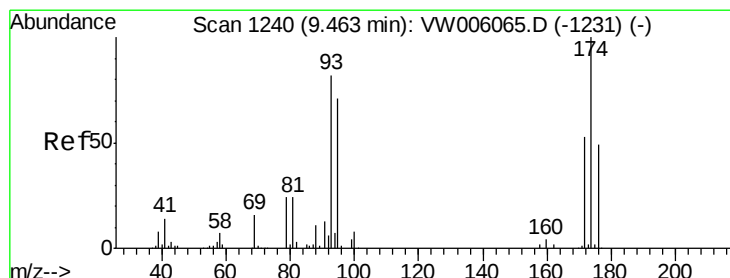
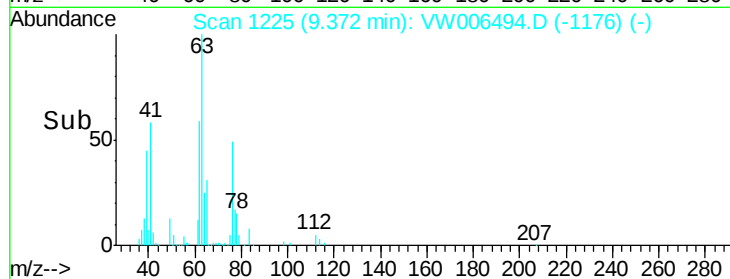
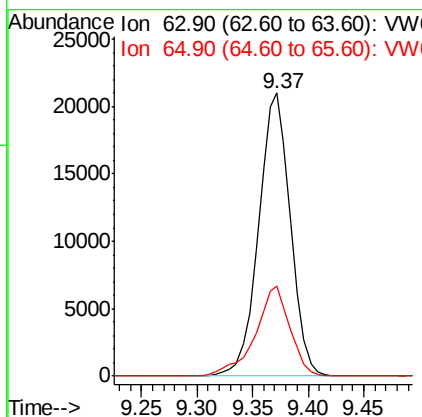
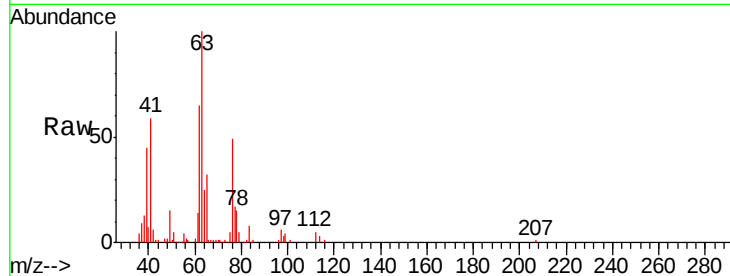




#45
 1,2-Dichloropropane
 Concen: 23.32 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

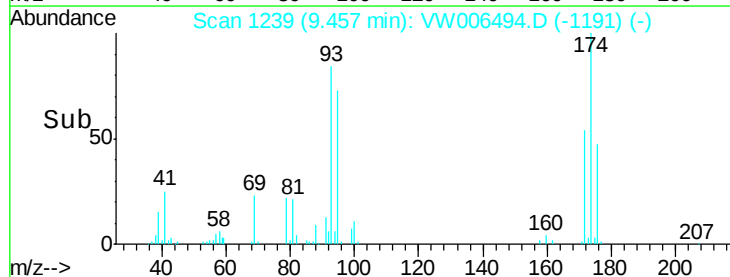
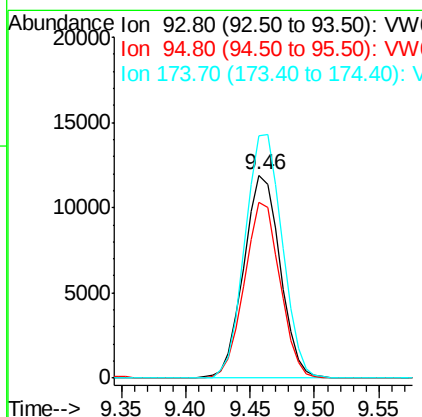
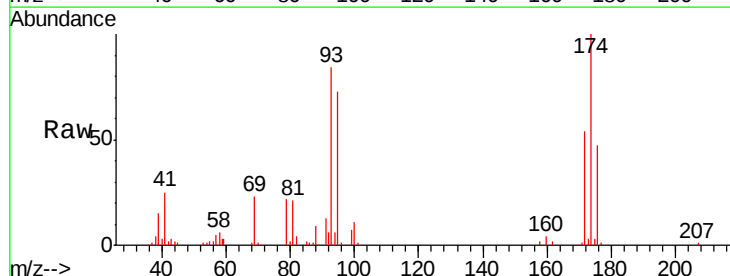
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tgt Ion: 63 Resp: 41656
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.0



#46
 Dibromomethane
 Concen: 22.90 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 93 Resp: 23315
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.7 101.5
 174 122.7 93.7 140.5





#47

Bromodichloromethane

Concen: 22.47 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

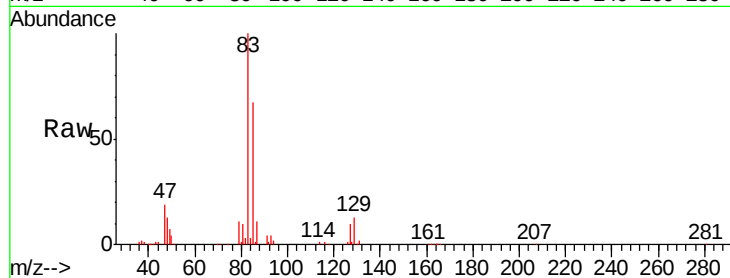
Tgt Ion: 83 Resp: 55468

Ion Ratio Lower Upper

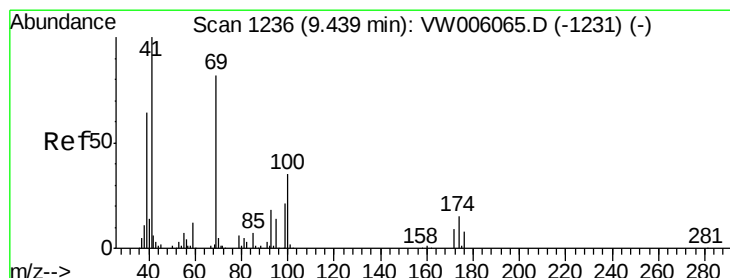
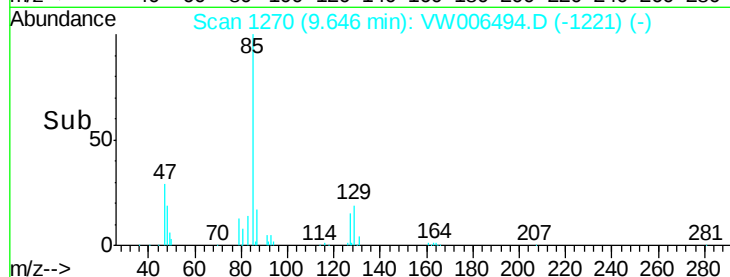
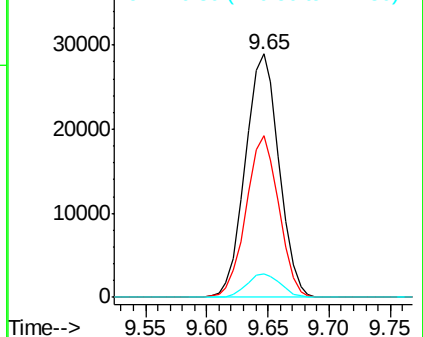
83 100

85 66.6 51.8 77.8

127 9.8 6.9 10.3



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



#48

Methyl methacrylate

Concen: 19.55 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

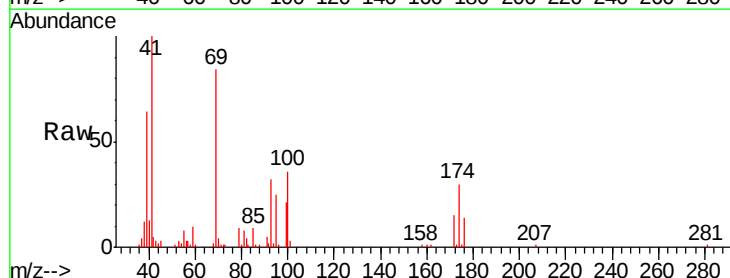
Tgt Ion: 41 Resp: 19160

Ion Ratio Lower Upper

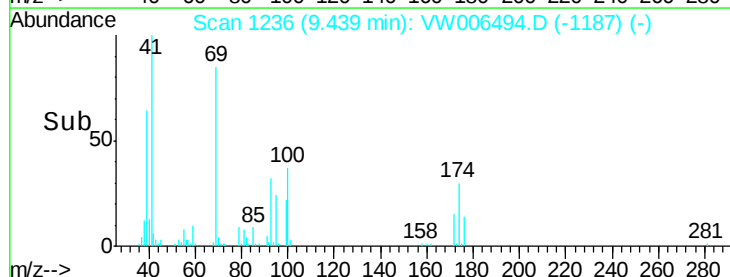
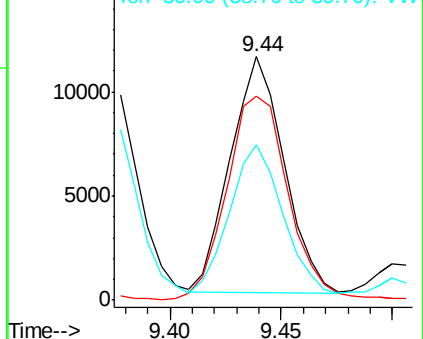
41 100

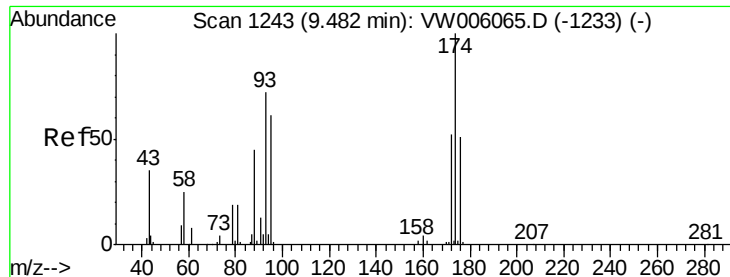
69 99.0 71.8 107.8

39 62.4 52.5 78.7



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





#49

1,4-Dioxane

Concen: 426.08 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

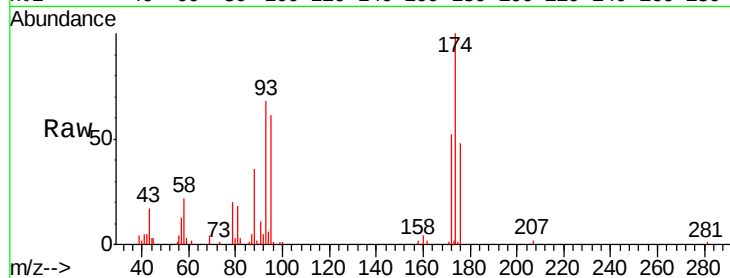
Tgt Ion: 88 Resp: 6678

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

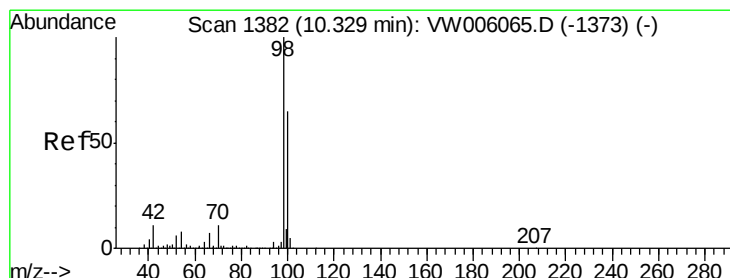
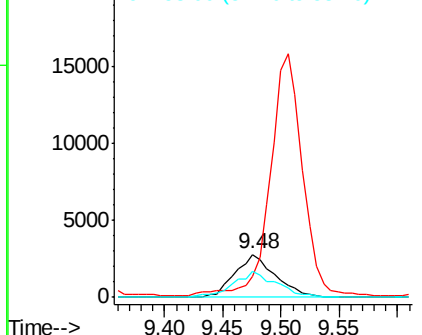
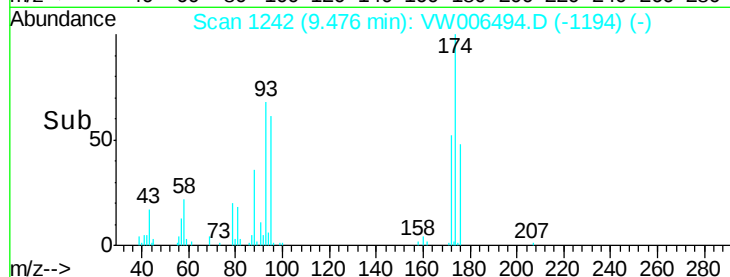
58 64.3 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.74 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006494.D

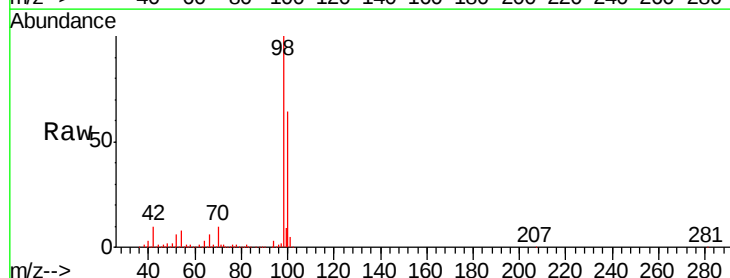
Acq: 30 Oct 2018 11:59

Tgt Ion: 98 Resp: 316844

Ion Ratio Lower Upper

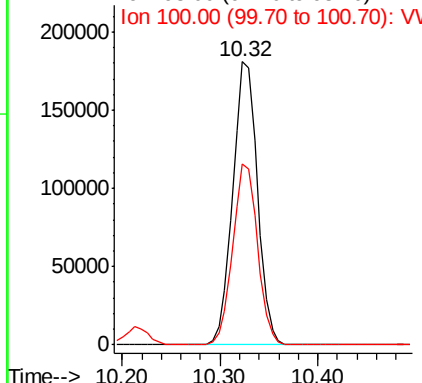
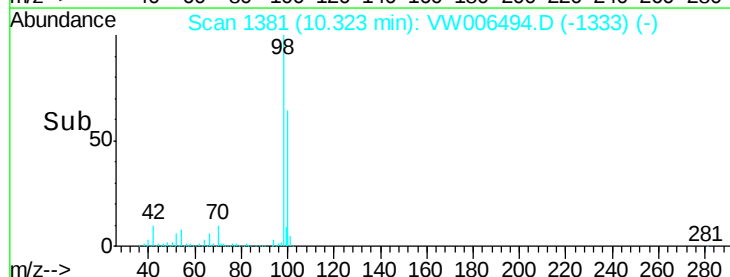
98 100

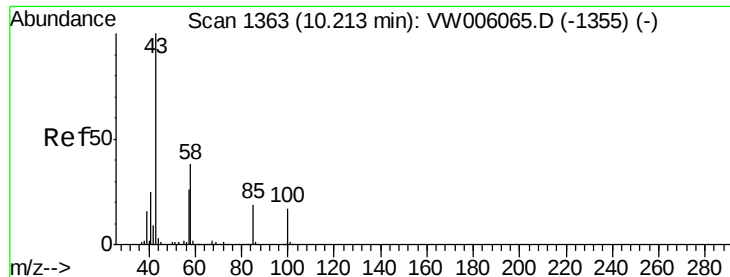
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 102.79 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

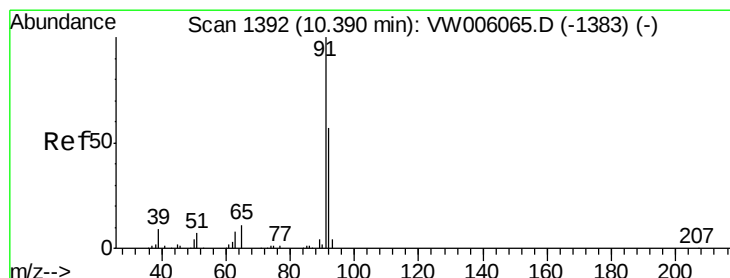
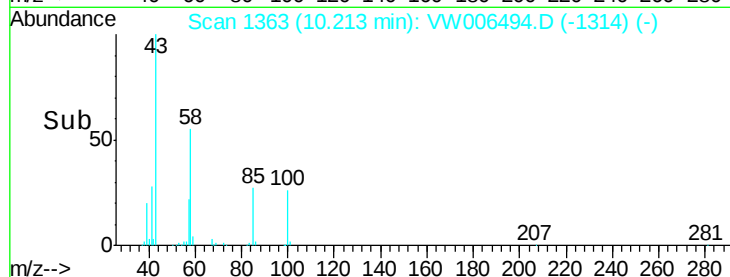
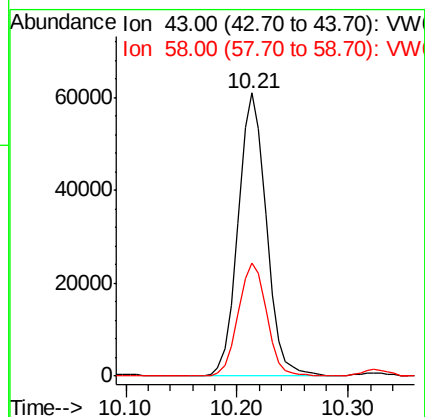
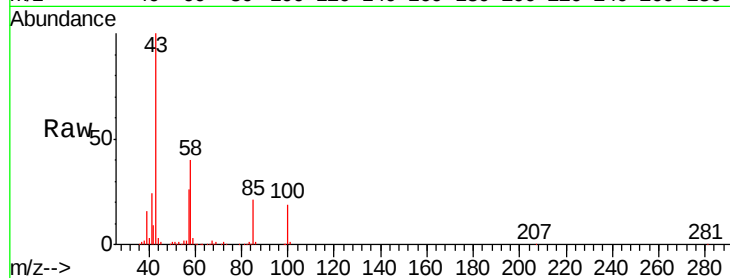
VW1031SBS02

Tgt Ion: 43 Resp: 106466

Ion Ratio Lower Upper

43 100

58 40.5 31.5 47.3



#52

Toluene

Concen: 24.21 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006494.D

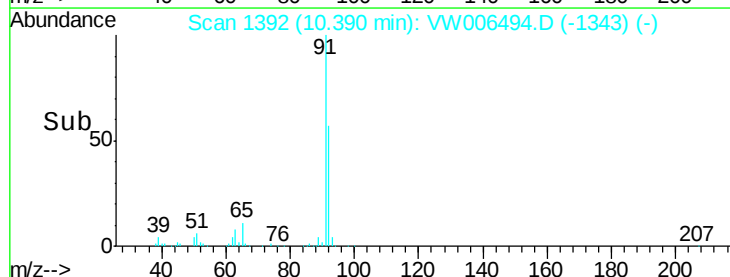
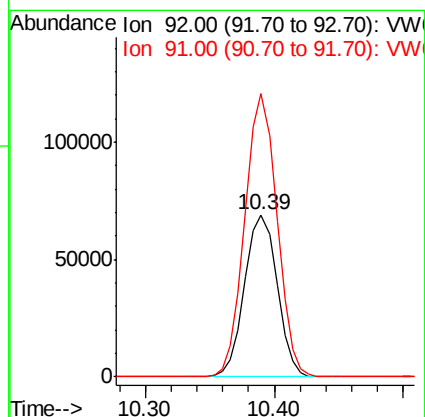
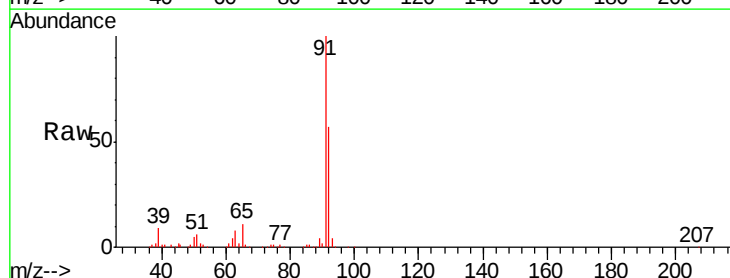
Acq: 30 Oct 2018 11:59

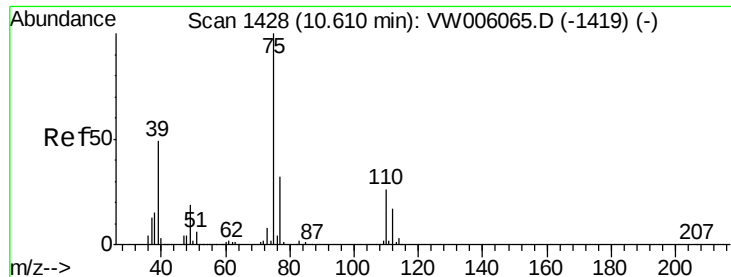
Tgt Ion: 92 Resp: 121165

Ion Ratio Lower Upper

92 100

91 172.0 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 21.53 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

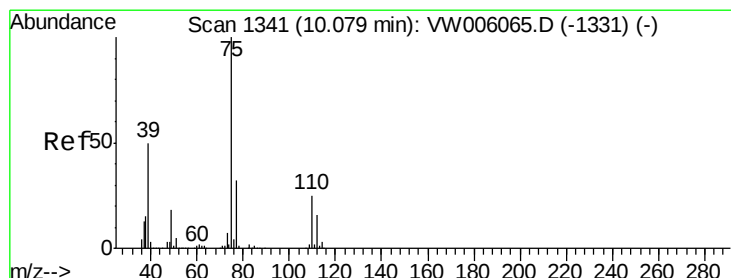
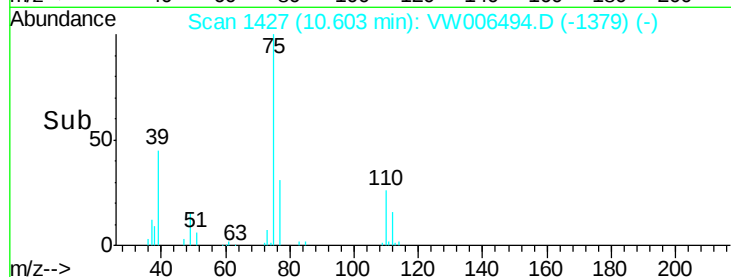
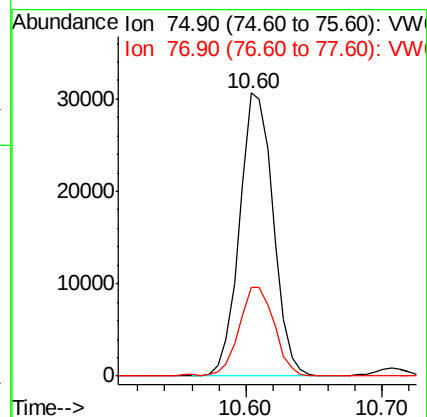
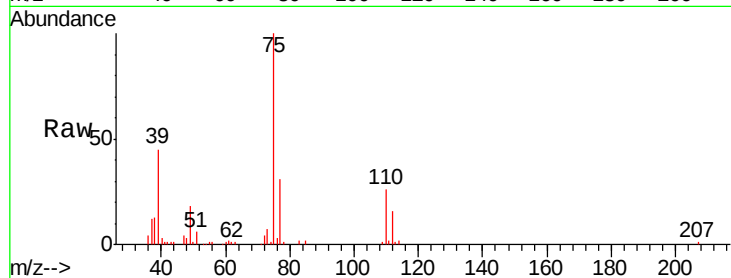
VW1031SBS02

Tgt Ion: 75 Resp: 52953

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.16 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

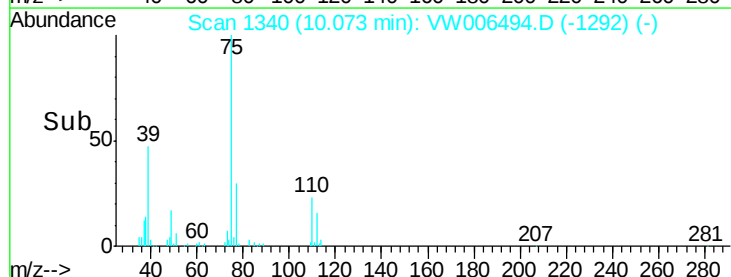
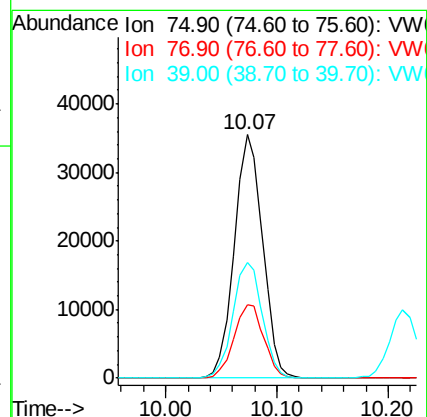
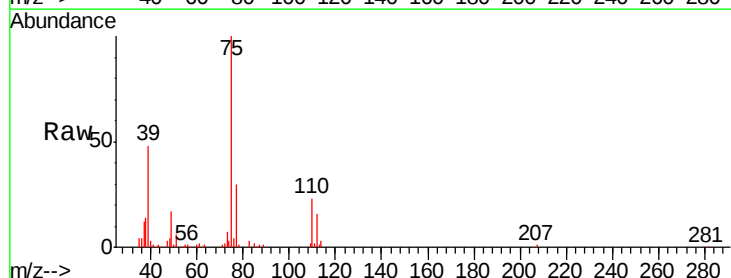
Tgt Ion: 75 Resp: 62537

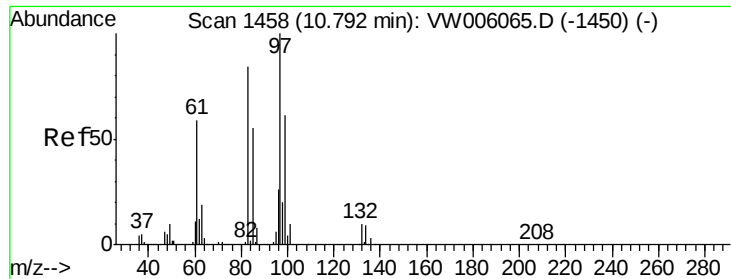
Ion Ratio Lower Upper

75 100

77 29.9 25.2 37.8

39 47.7 39.9 59.9

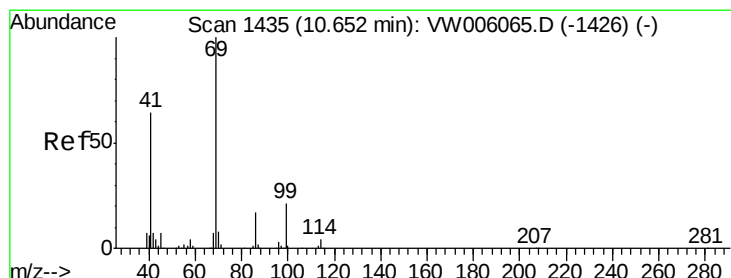
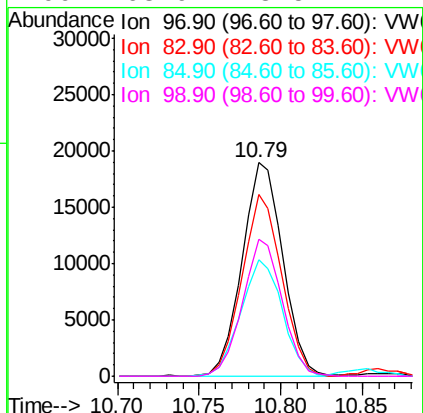
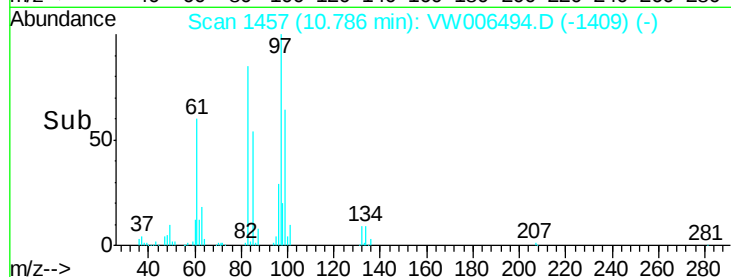
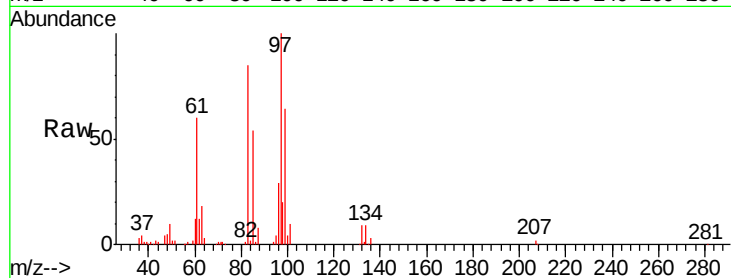




#55
 1,1,2-Trichloroethane
 Concen: 23.11 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

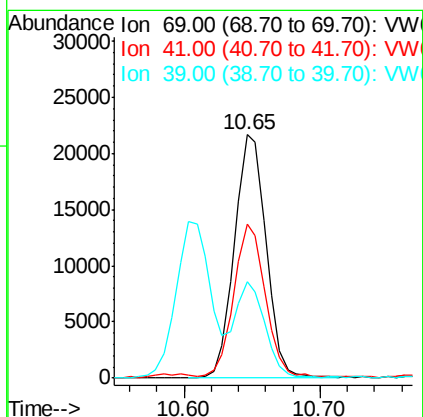
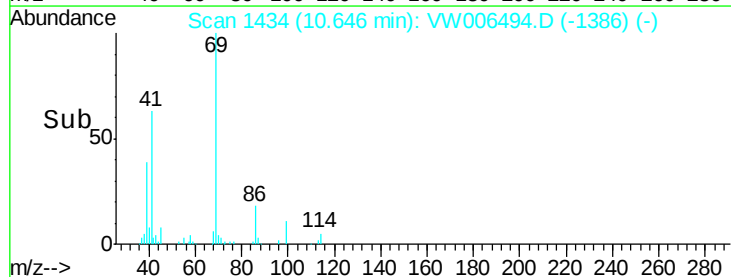
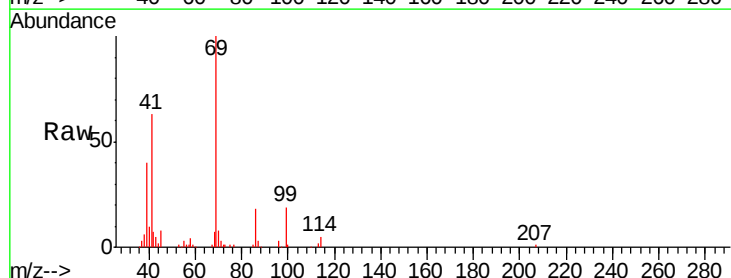
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tgt Ion: 97 Resp: 32925
 Ion Ratio Lower Upper
 97 100
 83 84.9 67.2 100.8
 85 54.3 43.7 65.5
 99 63.9 48.5 72.7



#56
 Ethyl methacrylate
 Concen: 20.19 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 69 Resp: 35258
 Ion Ratio Lower Upper
 69 100
 41 63.6 52.8 79.2
 39 38.1 30.6 45.8

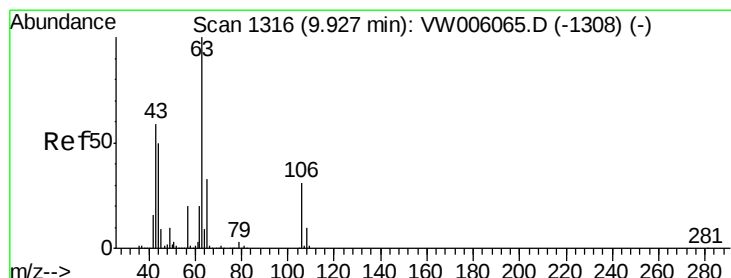
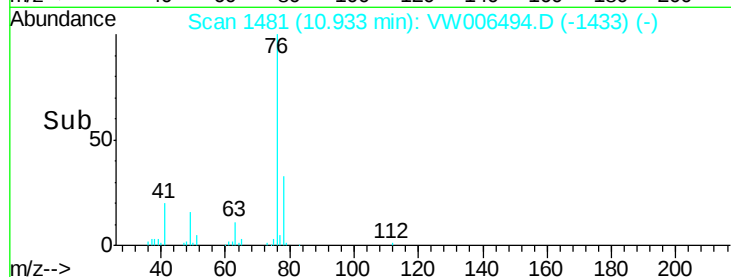
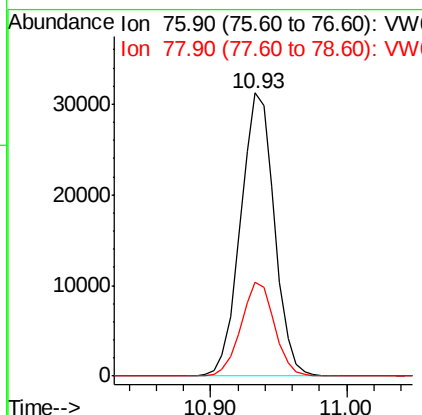
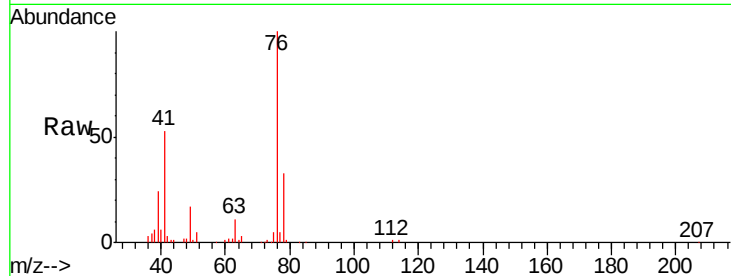




#57
 1,3-Dichloropropane
 Concen: 22.96 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

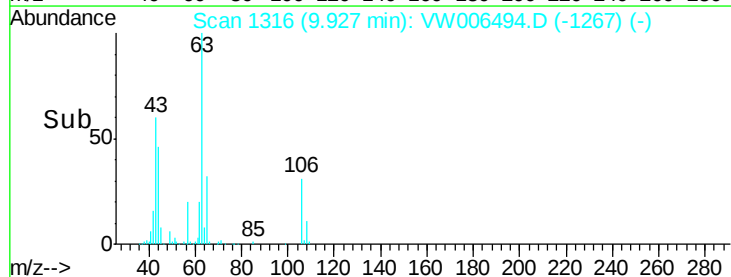
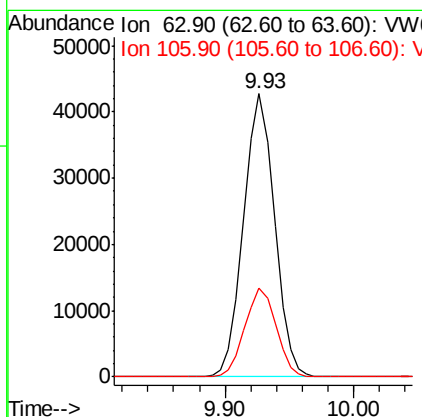
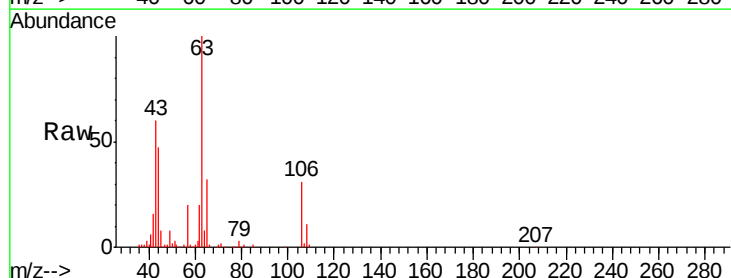
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

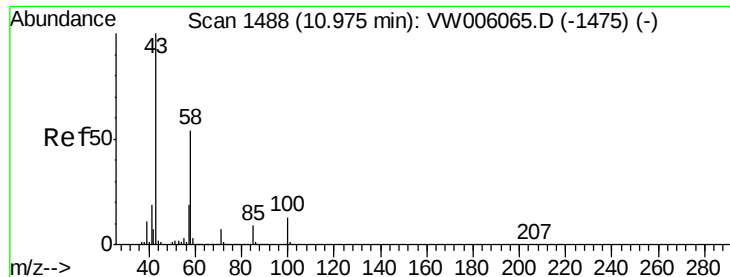
Tgt Ion: 76 Resp: 54160
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.60 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 63 Resp: 71143
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.5 36.7

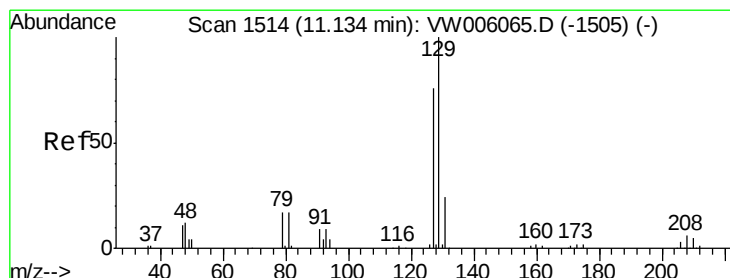
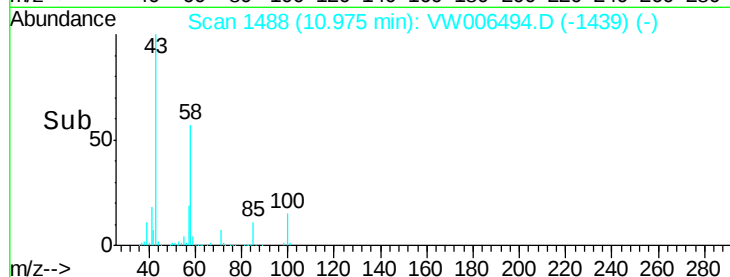
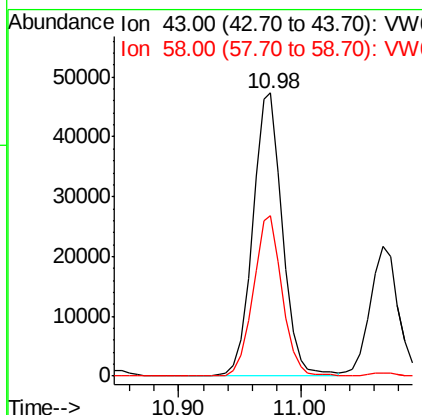
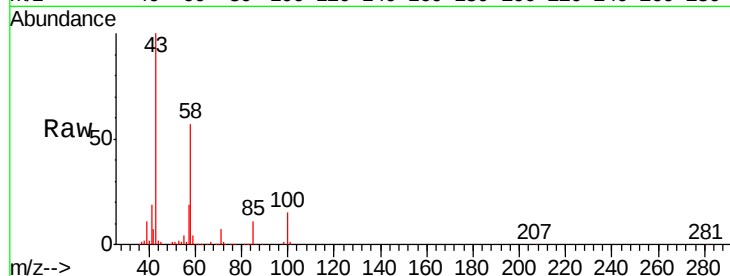




#59
2-Hexanone
Concen: 107.77 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

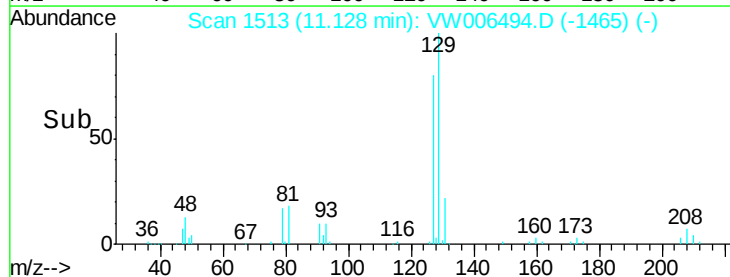
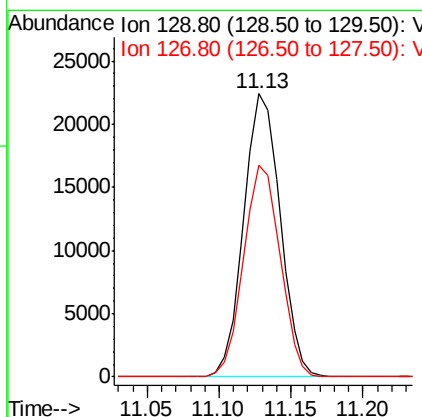
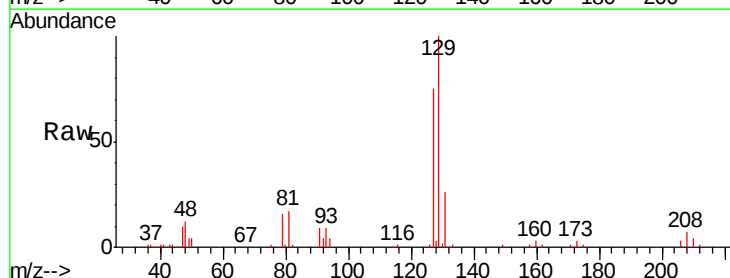
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

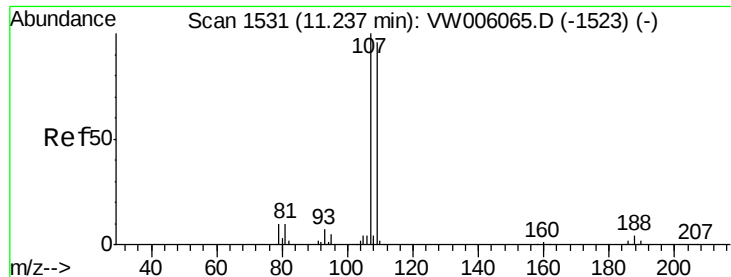
Tgt Ion: 43 Resp: 79681
Ion Ratio Lower Upper
43 100
58 55.2 26.9 80.6



#60
Dibromochloromethane
Concen: 22.14 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion: 129 Resp: 39292
Ion Ratio Lower Upper
129 100
127 75.2 38.6 115.7

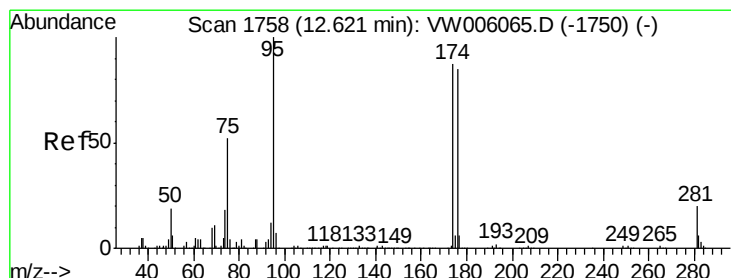
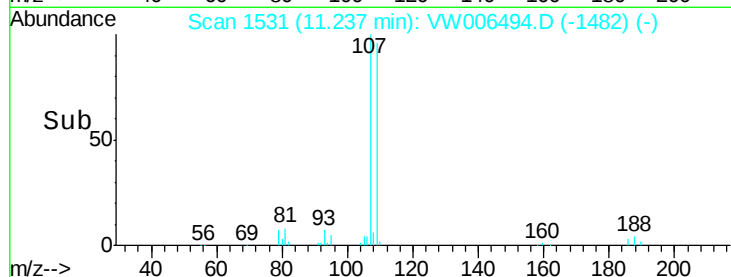
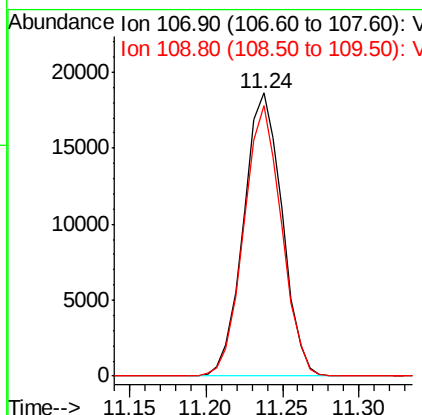
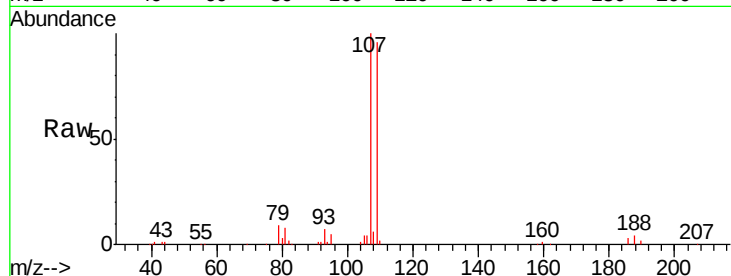




#61
 1,2-Dibromoethane
 Concen: 22.93 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

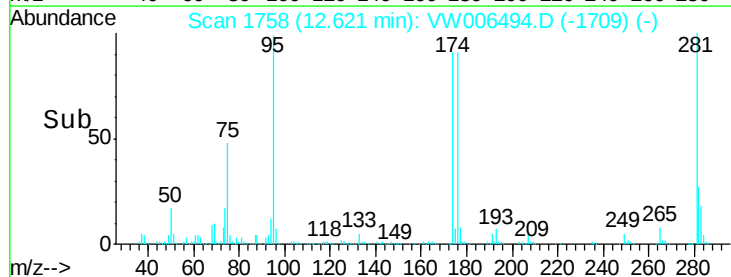
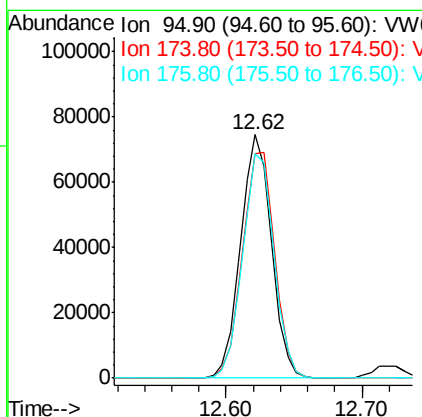
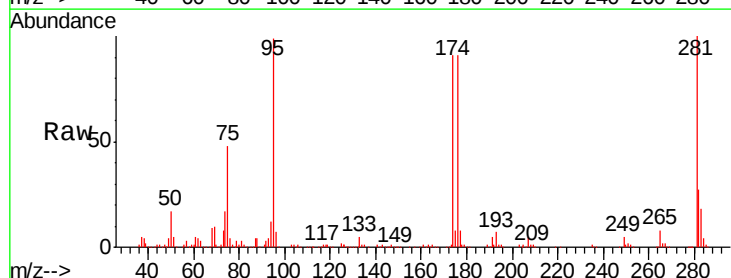
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

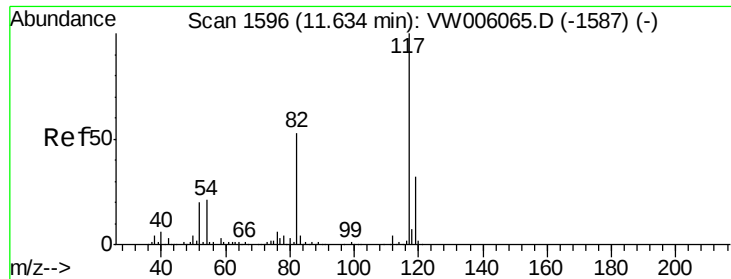
Tgt Ion: 107 Resp: 32635
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 47.46 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 95 Resp: 118319
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 186.0
 176 94.1 0.0 181.6

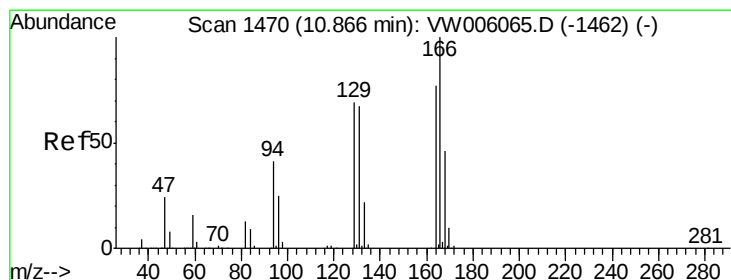
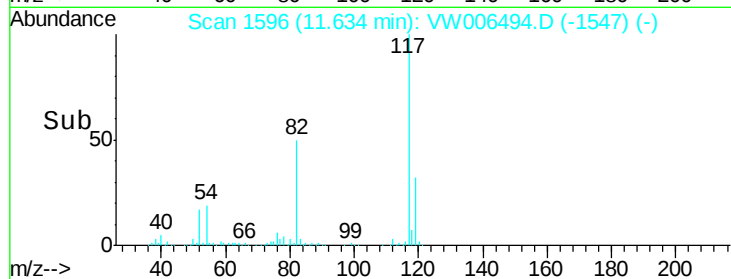
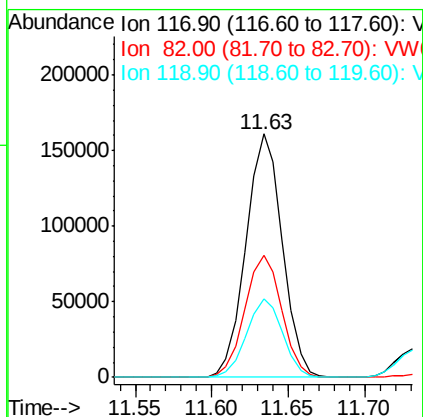
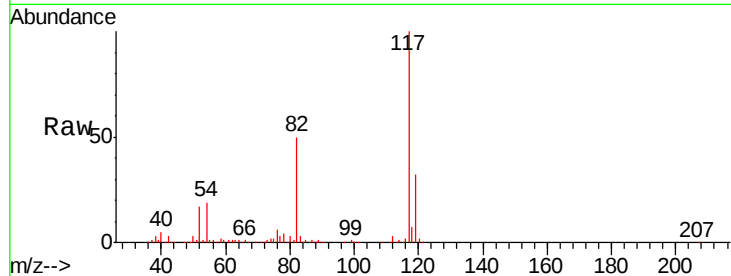




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

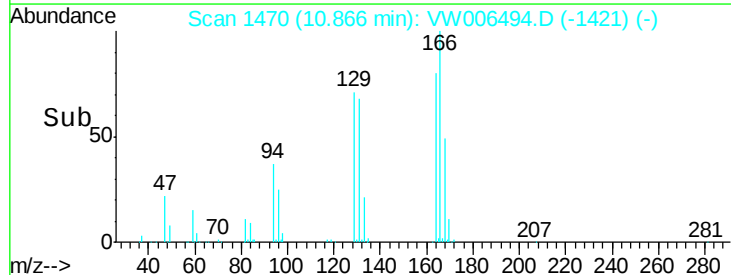
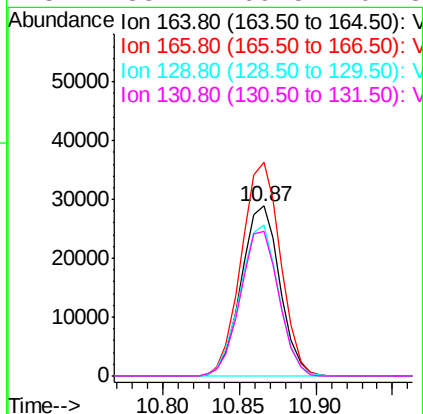
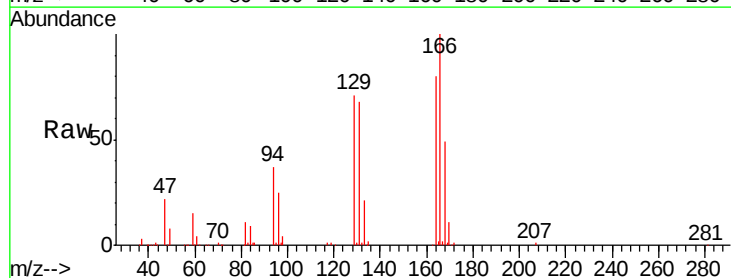
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

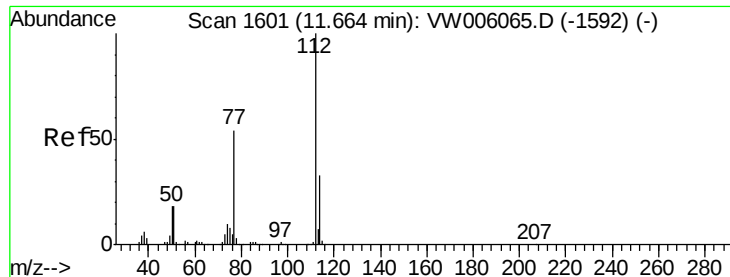
Tgt Ion:117 Resp: 265937
Ion Ratio Lower Upper
117 100
82 50.1 42.1 63.1
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 24.54 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:164 Resp: 50658
Ion Ratio Lower Upper
164 100
166 125.8 103.4 155.0
129 89.0 71.8 107.8
131 85.4 69.5 104.3

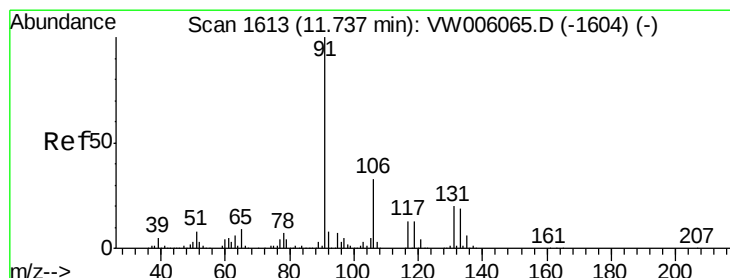
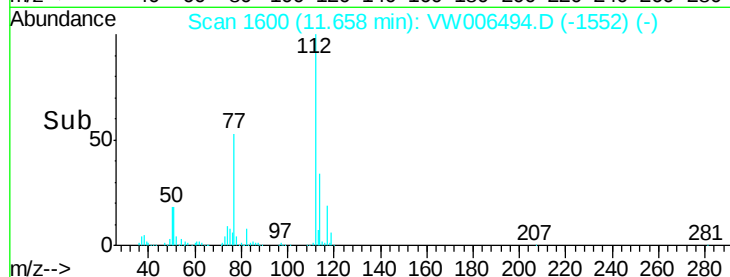
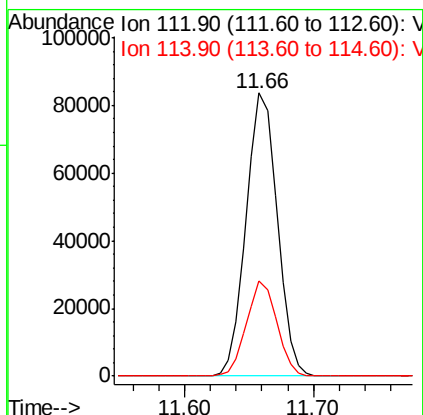
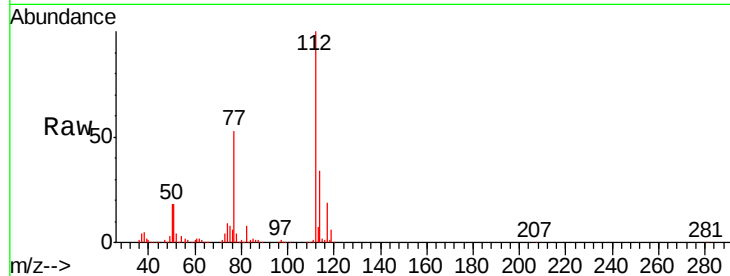




#65
Chlorobenzene
Concen: 24.55 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

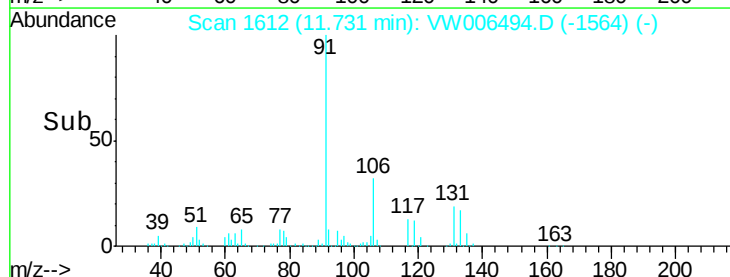
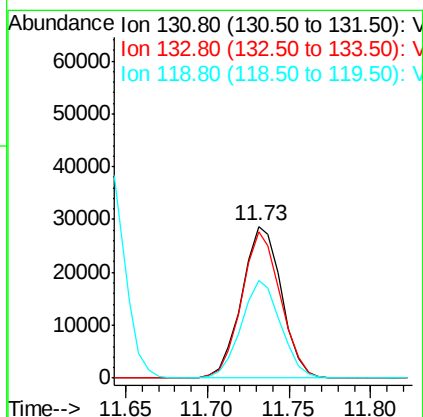
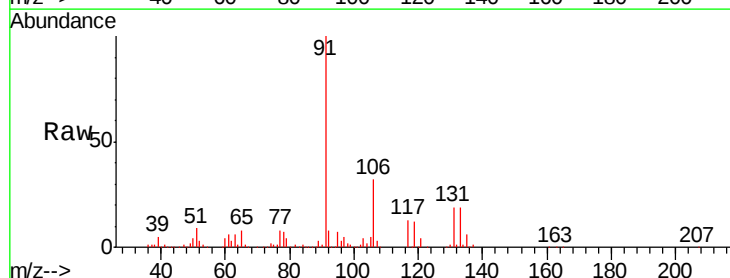
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

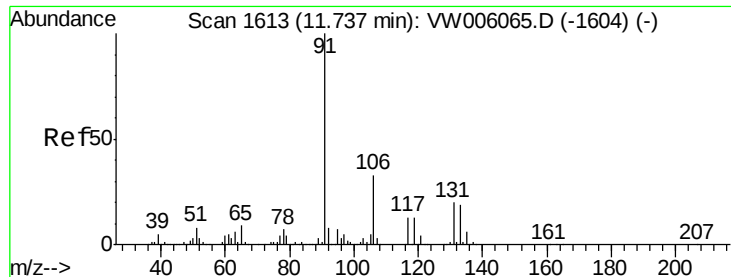
Tgt Ion:112 Resp: 139782
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 24.10 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:131 Resp: 48749
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.3
119 63.6 31.6 94.7

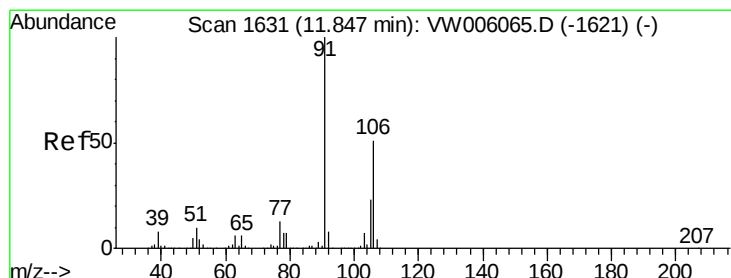
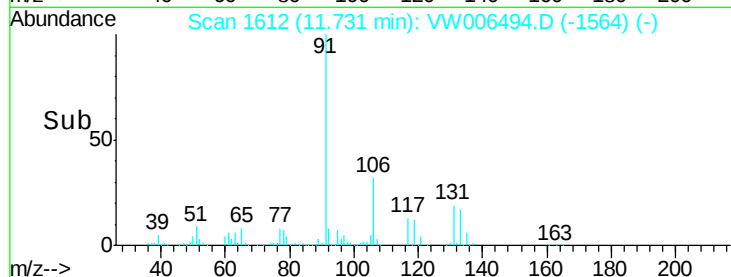
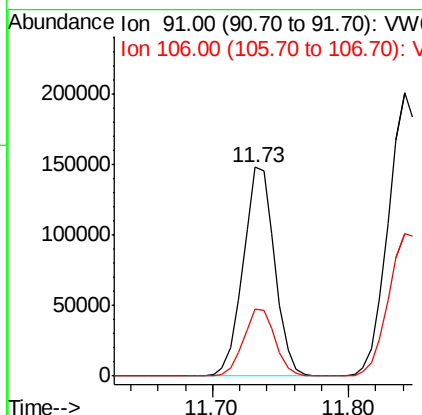
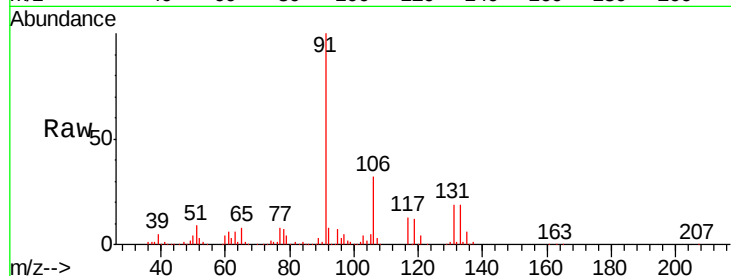




#67
Ethyl Benzene
Concen: 24.27 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

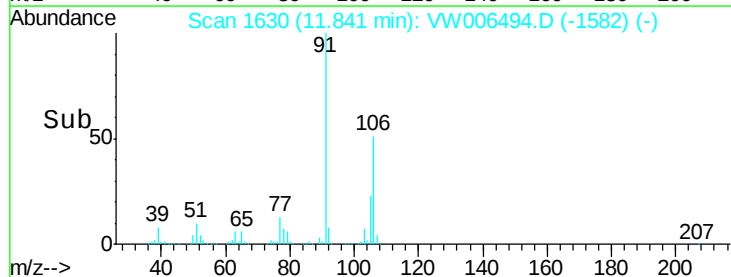
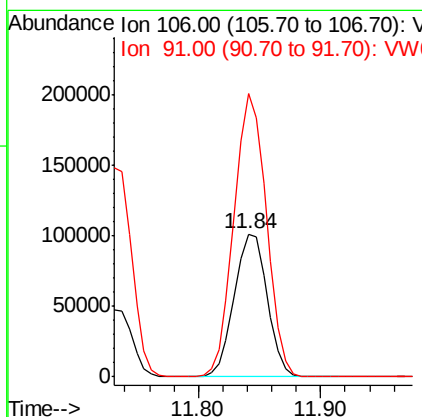
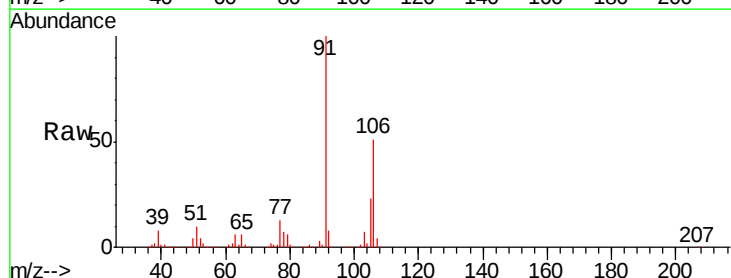
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

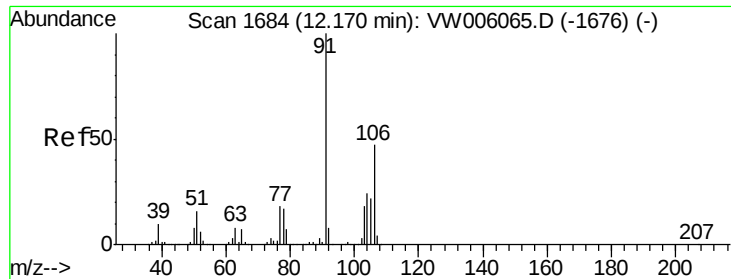
Tgt Ion: 91 Resp: 239428
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 48.47 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion: 106 Resp: 189008
Ion Ratio Lower Upper
106 100
91 195.1 159.1 238.7

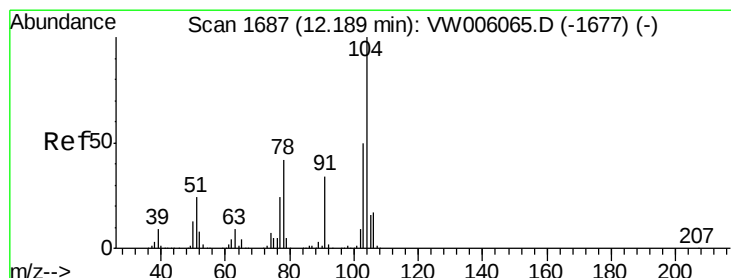
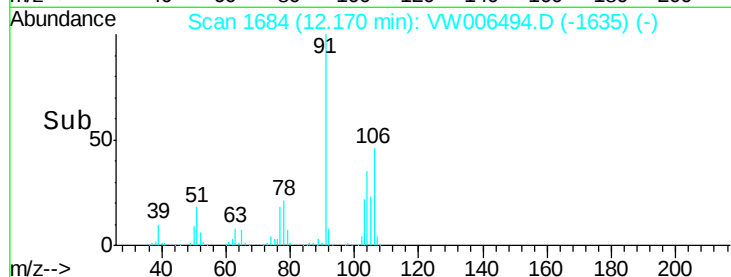
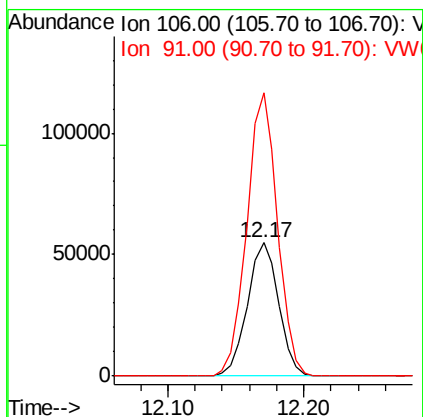
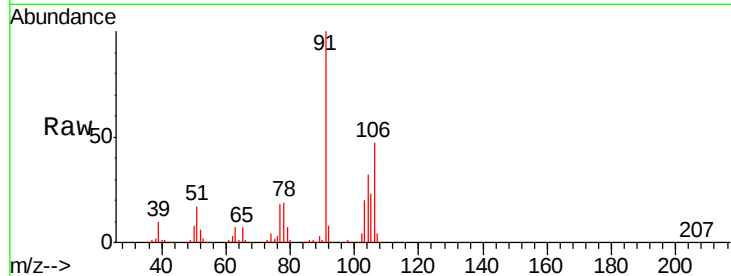




#69
o-Xylene
Concen: 23.76 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

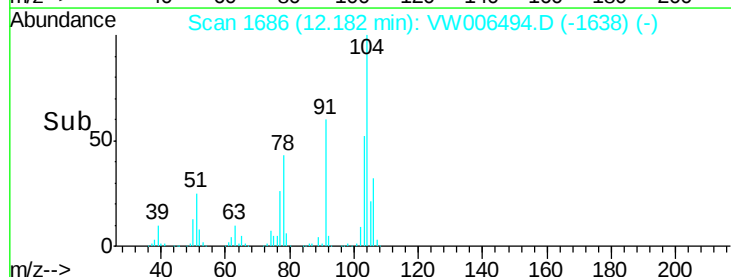
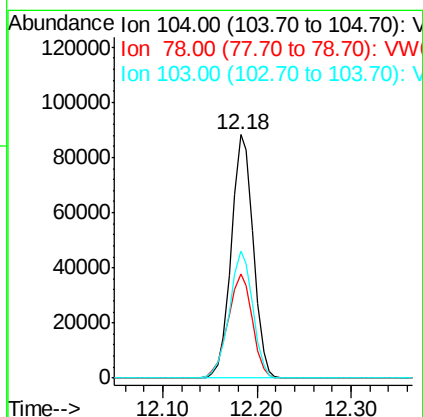
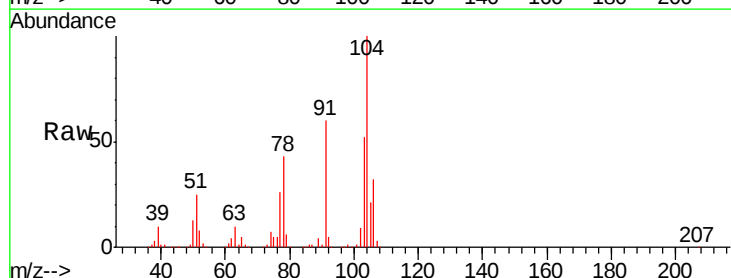
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

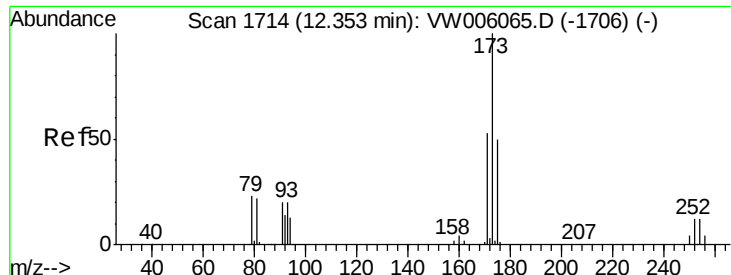
Tgt Ion:106 Resp: 88318
Ion Ratio Lower Upper
106 100
91 208.5 105.4 316.1



#70
Styrene
Concen: 23.64 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:104 Resp: 142838
Ion Ratio Lower Upper
104 100
78 47.1 39.1 58.7
103 55.7 44.3 66.5

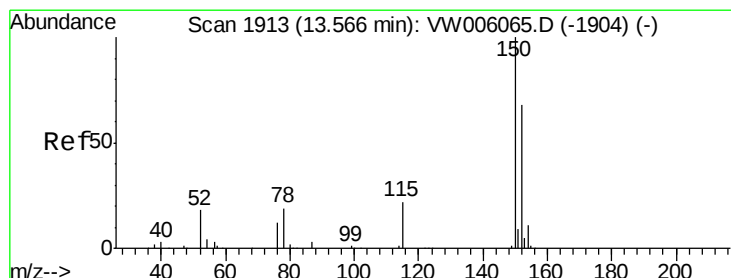
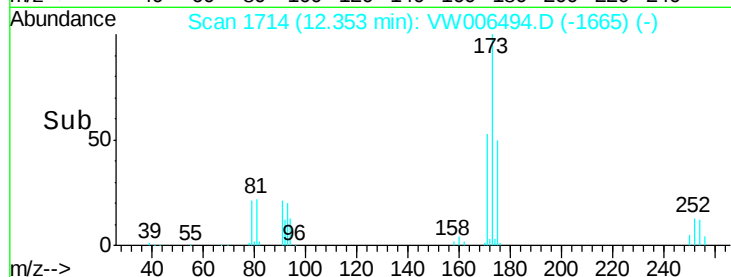
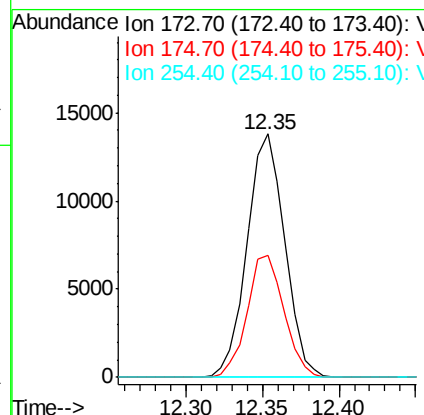
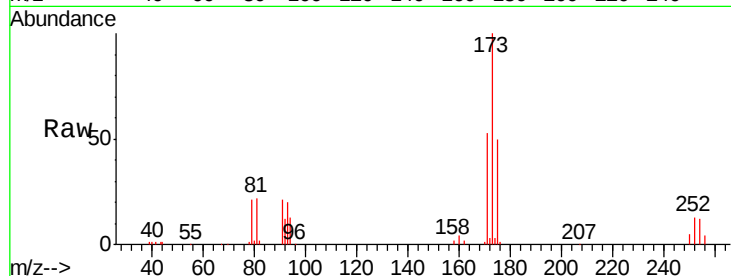




#71
Bromoform
Concen: 20.94 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

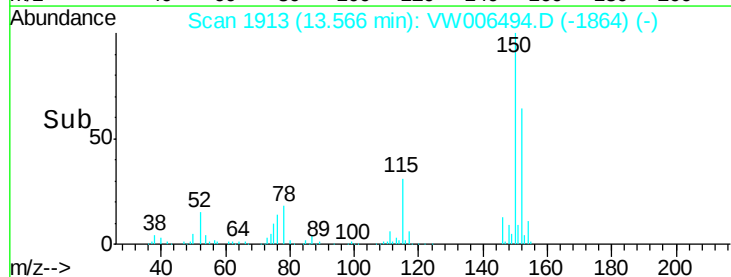
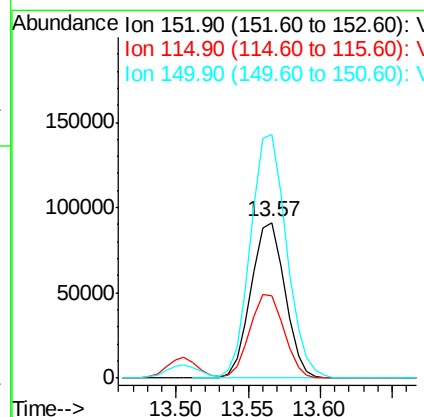
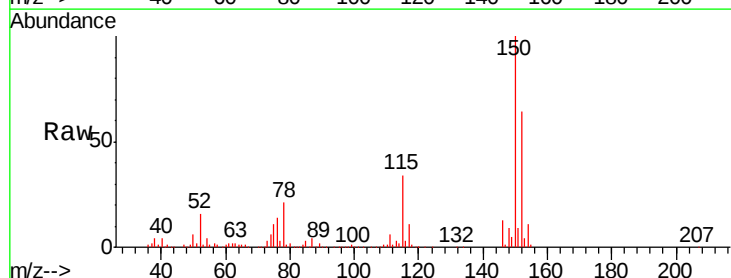
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

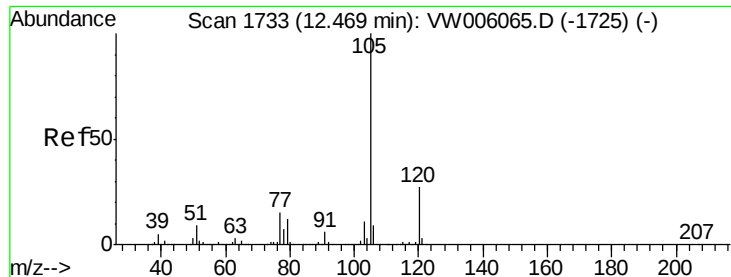
Tgt Ion:173 Resp: 23630
Ion Ratio Lower Upper
173 100
175 48.9 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:152 Resp: 149083
Ion Ratio Lower Upper
152 100
115 54.5 27.8 83.3
150 165.7 0.0 349.2





#73

Isopropylbenzene

Concen: 23.86 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

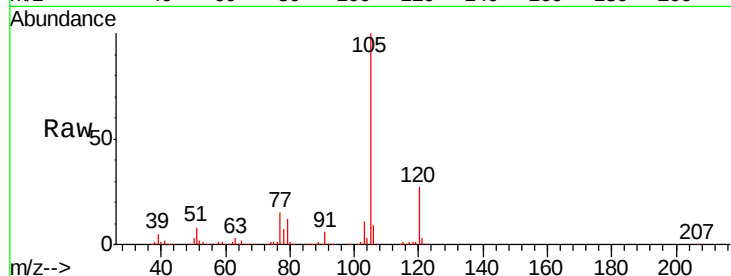
VW1031SBS02

Tgt Ion: 105 Resp: 251303

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

150000

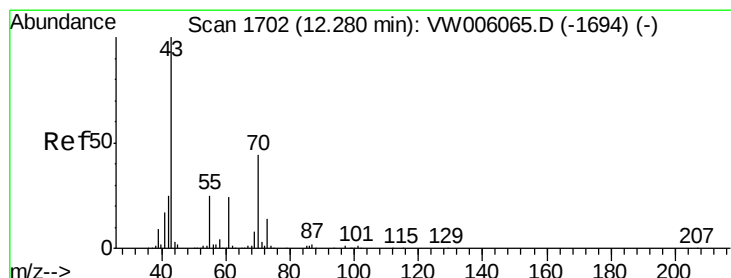
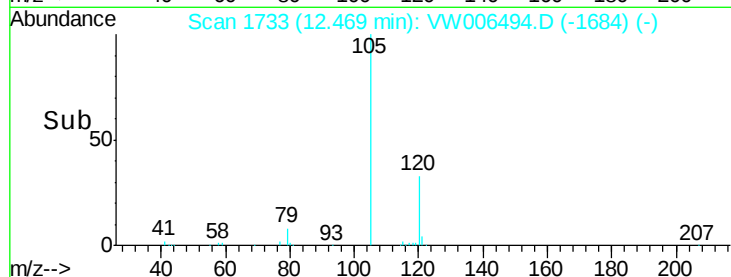
100000

50000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 19.12 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion: 43 Resp: 39105

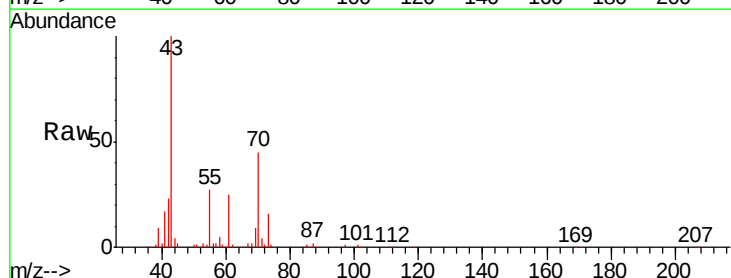
Ion Ratio Lower Upper

43 100

70 45.6 34.2 51.4

55 26.4 19.2 28.8

61 24.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

40000

30000

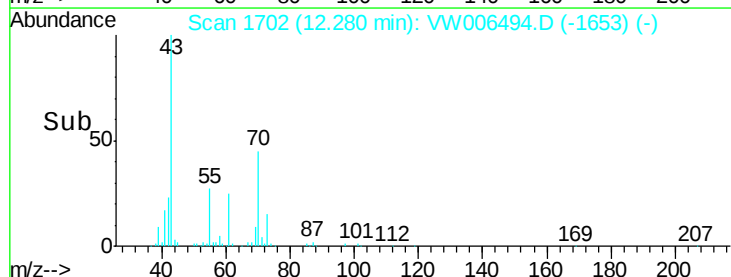
20000

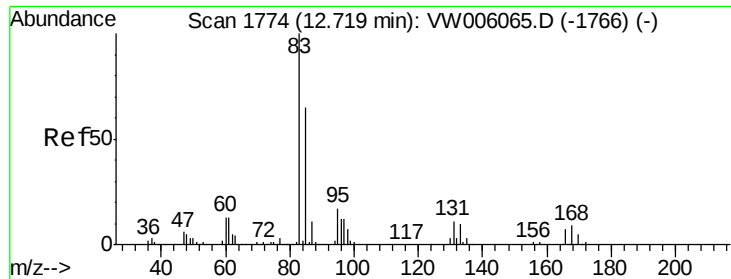
10000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 22.35 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

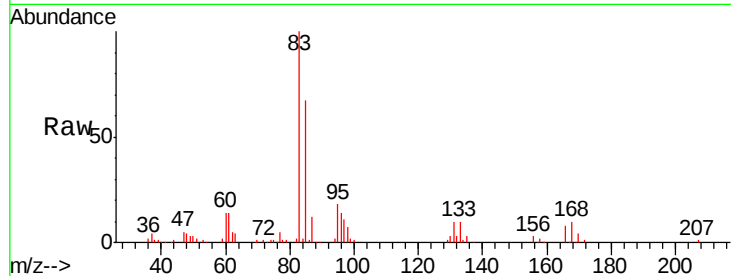
Tgt Ion: 83 Resp: 35796

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

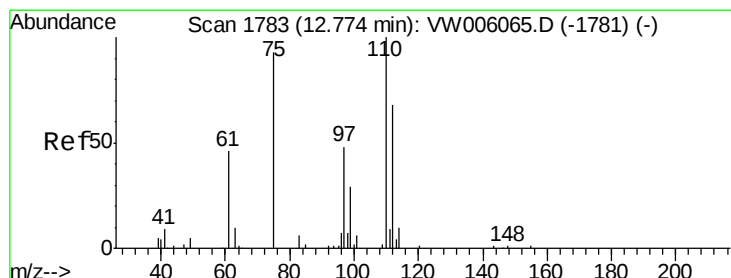
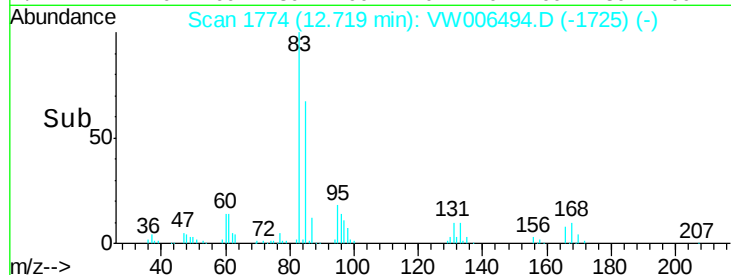
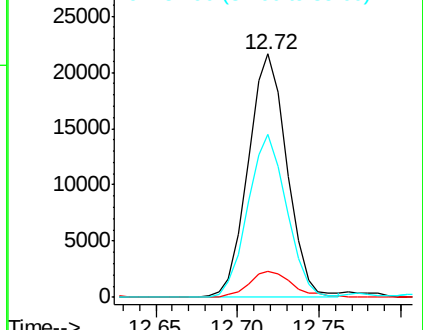
85 66.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.54 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006494.D

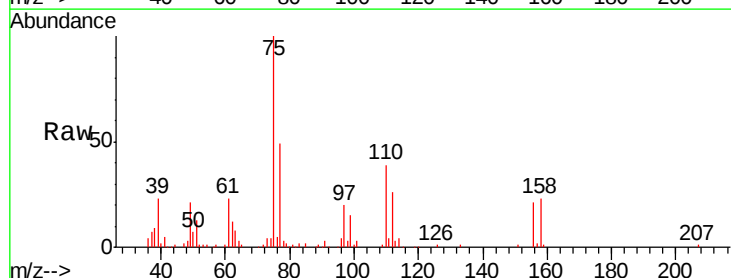
Acq: 30 Oct 2018 11:59

Tgt Ion: 75 Resp: 46160

Ion Ratio Lower Upper

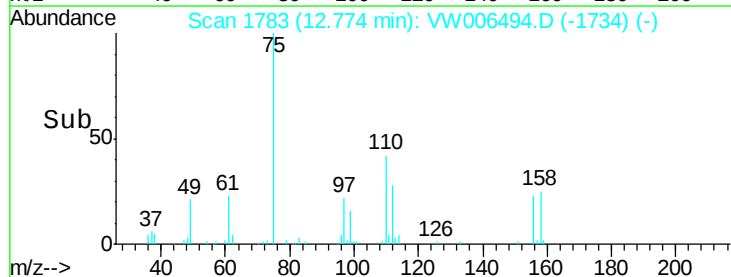
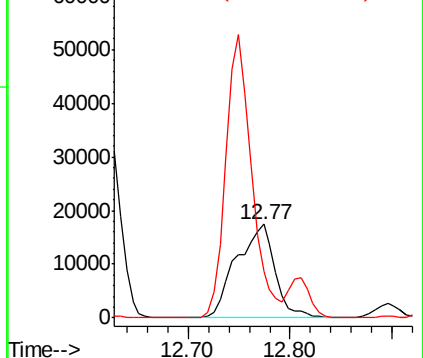
75 100

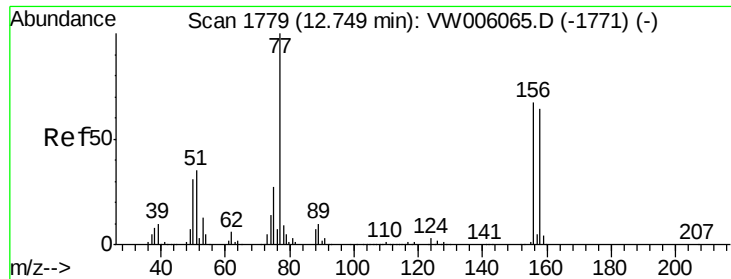
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

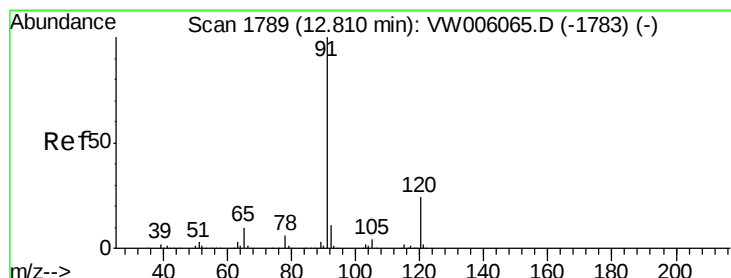
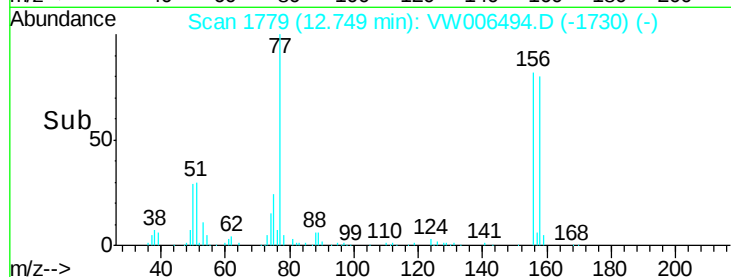
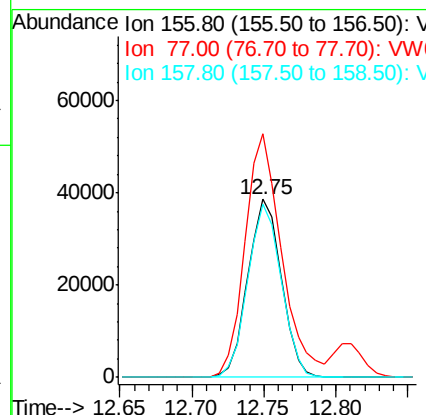
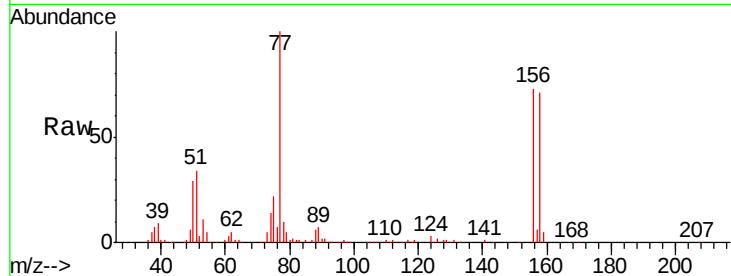




#77
Bromobenzene
Concen: 24.03 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

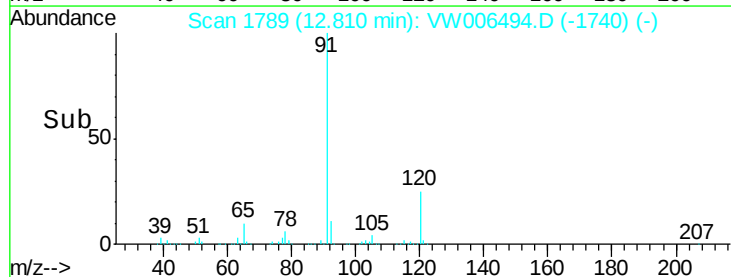
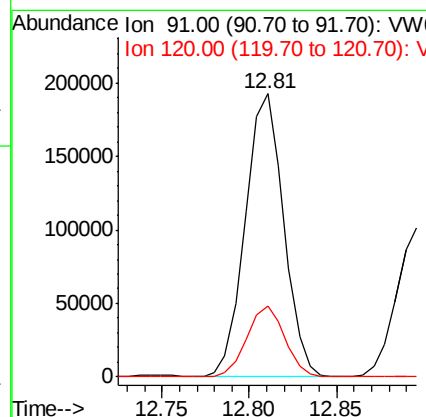
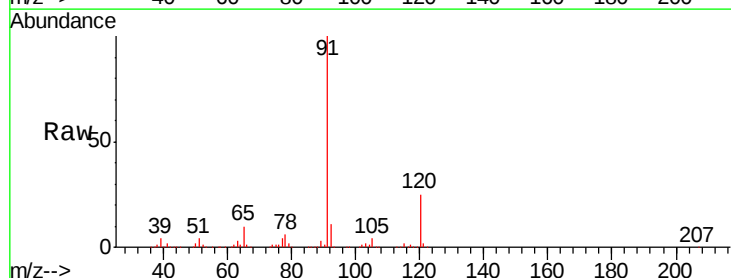
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

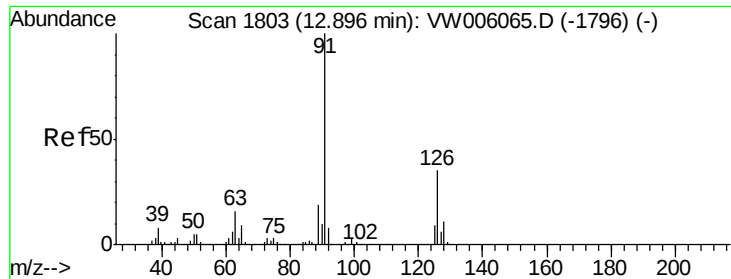
Tgt Ion:156 Resp: 61980
Ion Ratio Lower Upper
156 100
77 150.2 79.1 237.4
158 97.6 48.5 145.6



#78
n-propylbenzene
Concen: 23.96 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion: 91 Resp: 293645
Ion Ratio Lower Upper
91 100
120 24.8 12.2 36.6





#79

2-Chlorotoluene

Concen: 23.55 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

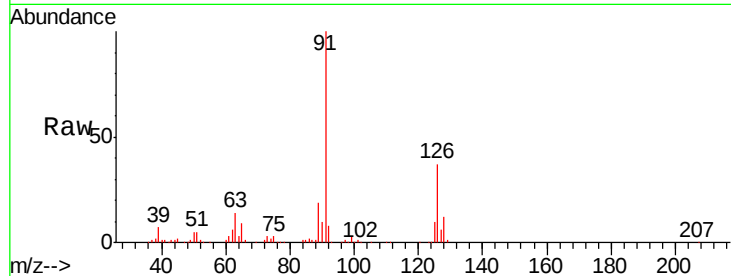
VW1031SBS02

Tgt Ion: 91 Resp: 162152

Ion Ratio Lower Upper

91 100

126 37.4 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

150000

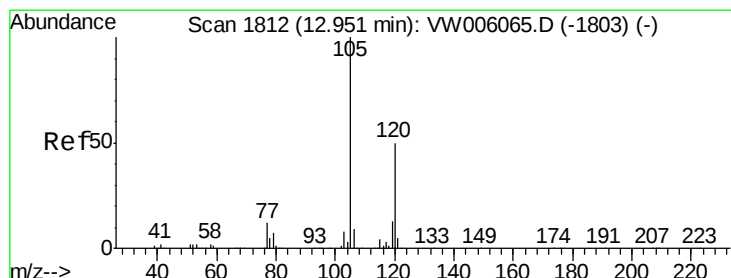
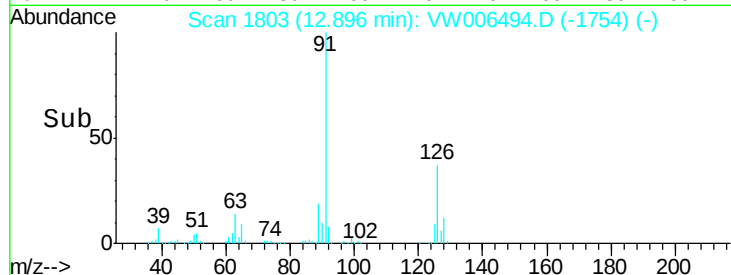
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.79 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006494.D

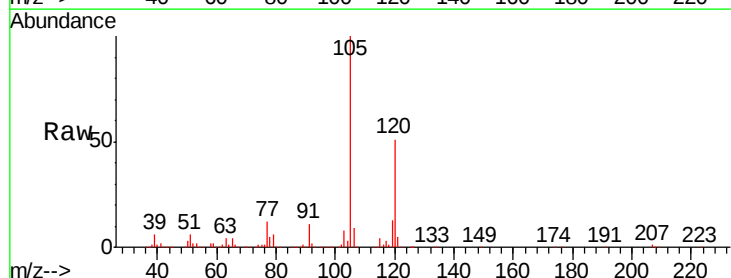
Acq: 30 Oct 2018 11:59

Tgt Ion: 105 Resp: 211211

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

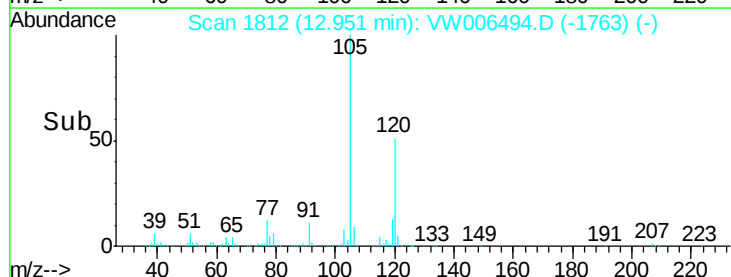
100000

50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.75 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

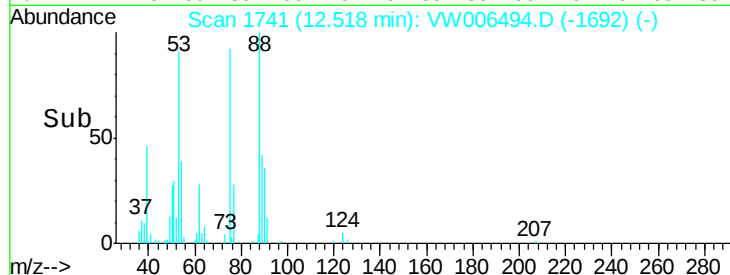
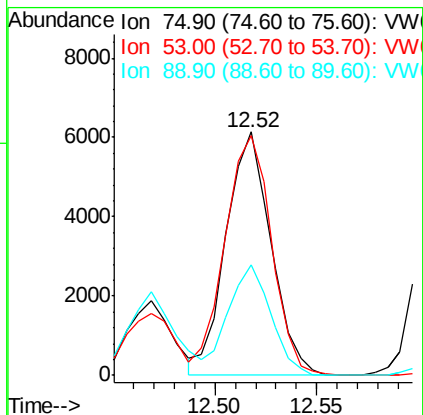
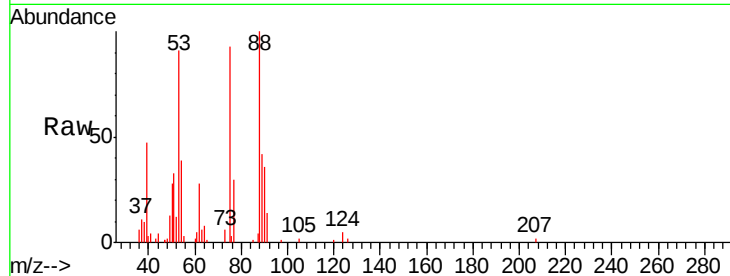
Tgt Ion: 75 Resp: 9407

Ion Ratio Lower Upper

75 100

53 102.4 79.8 119.6

89 42.9 37.5 56.3



#82

4-Chlorotoluene

Concen: 23.84 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006494.D

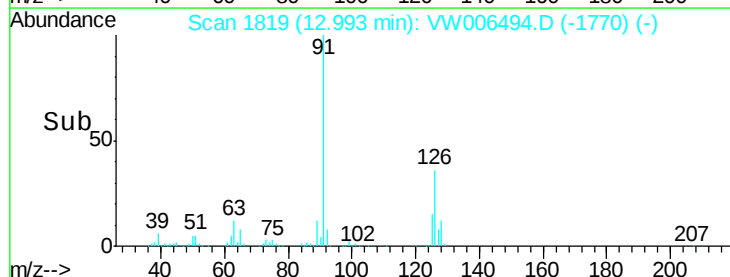
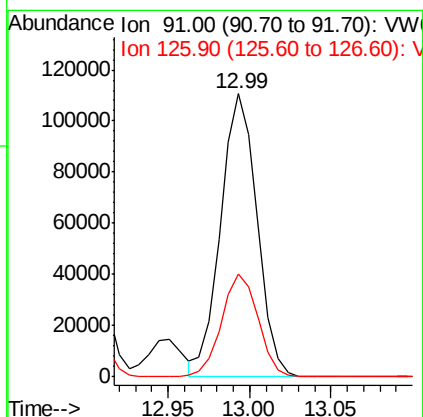
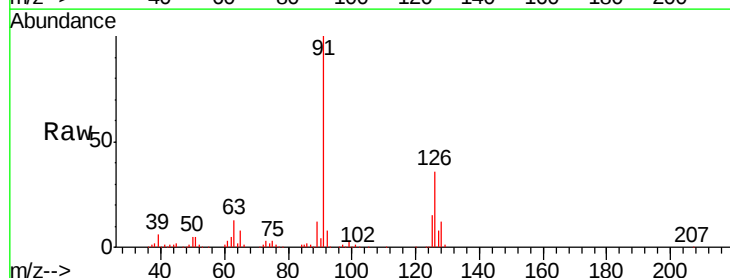
Acq: 30 Oct 2018 11:59

Tgt Ion: 91 Resp: 171938

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.3

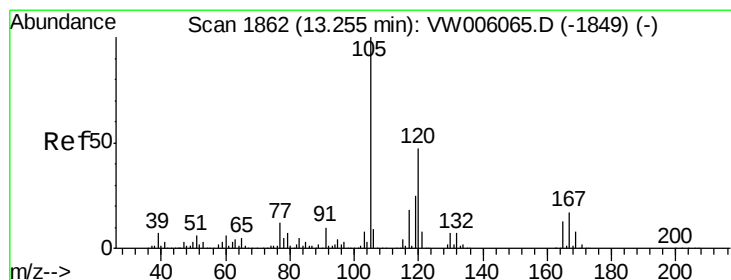
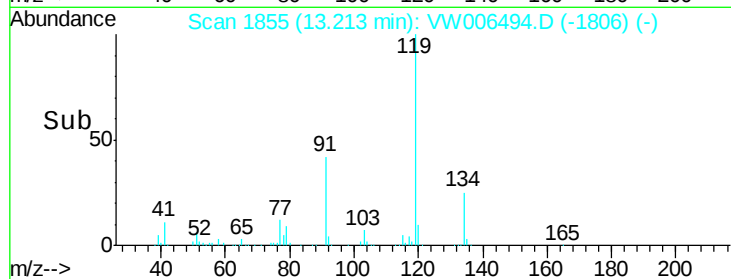
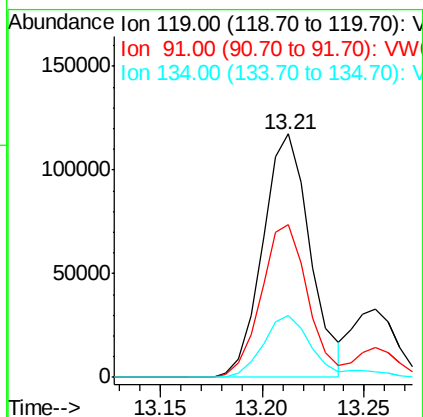
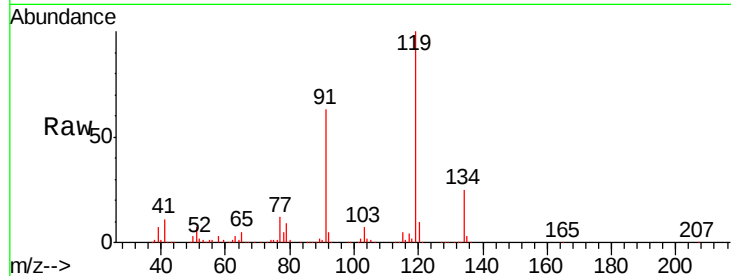




#83
tert-Butylbenzene
Concen: 23.92 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

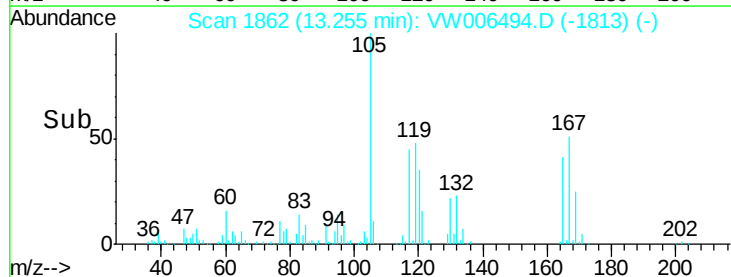
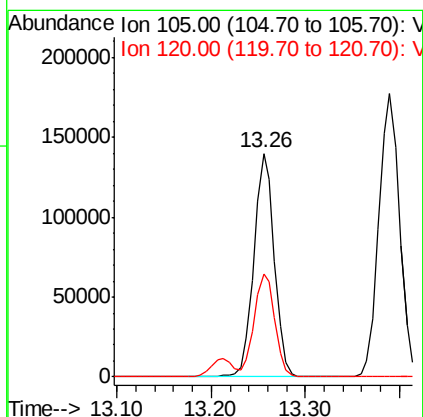
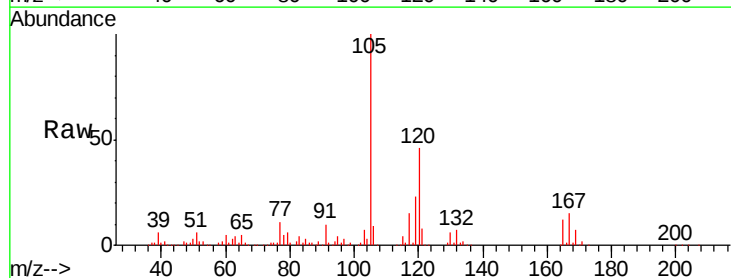
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

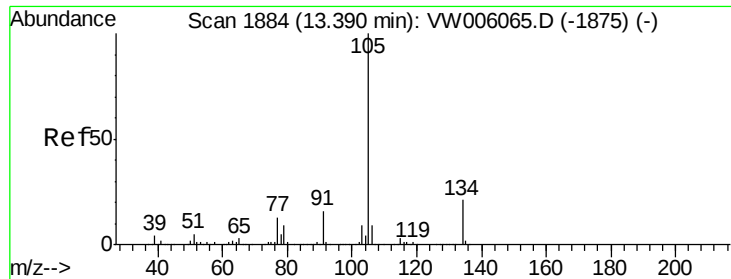
Tgt Ion:119 Resp: 190057
Ion Ratio Lower Upper
119 100
91 61.5 32.3 96.9
134 27.3 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 23.84 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:105 Resp: 214180
Ion Ratio Lower Upper
105 100
120 46.5 23.1 69.3





#85

sec-Butylbenzene

Concen: 24.20 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

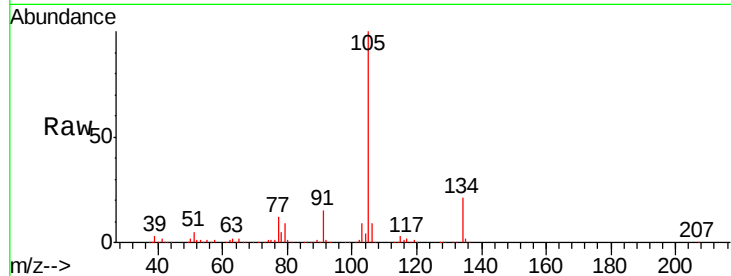
VW1031SBS02

Tgt Ion:105 Resp: 271553

Ion Ratio Lower Upper

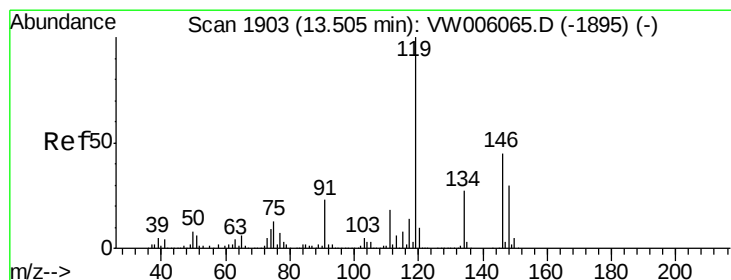
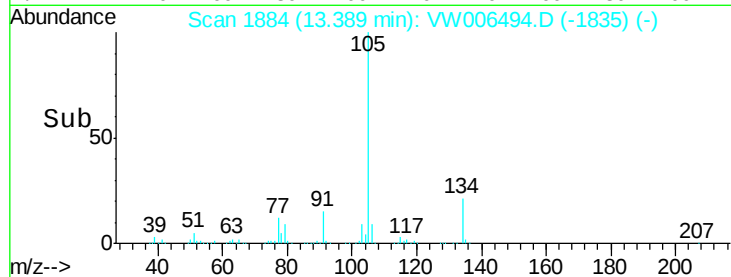
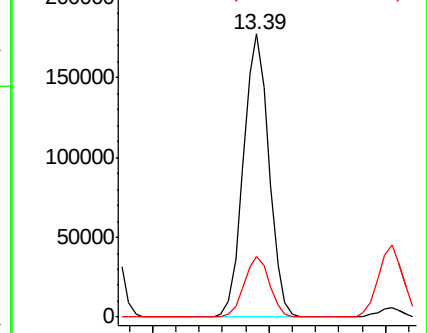
105 100

134 21.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.96 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

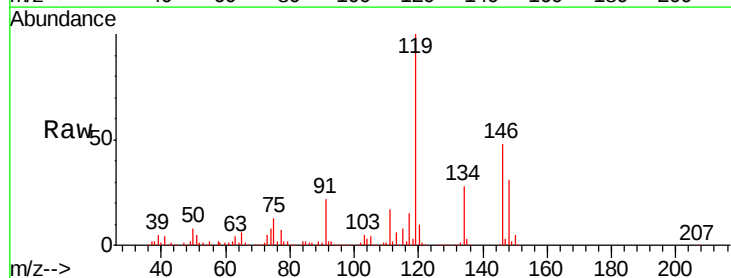
Tgt Ion:119 Resp: 243248

Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.2

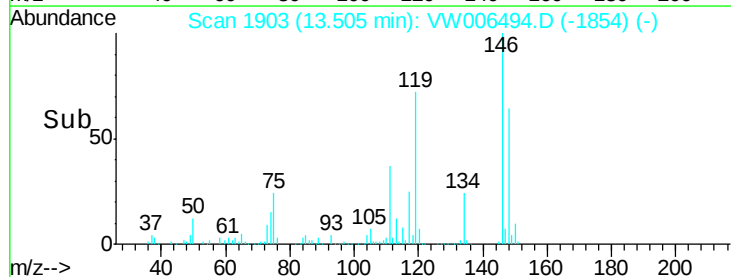
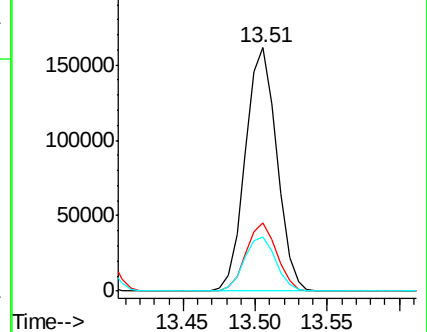
91 22.4 11.4 34.1

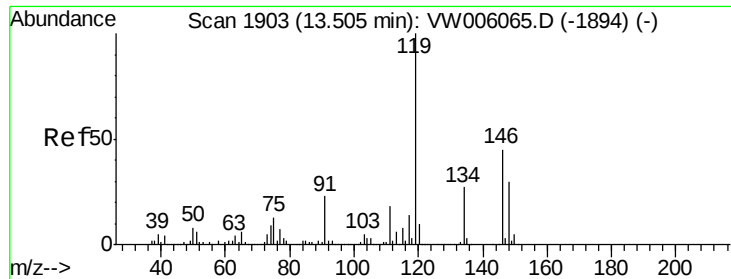


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

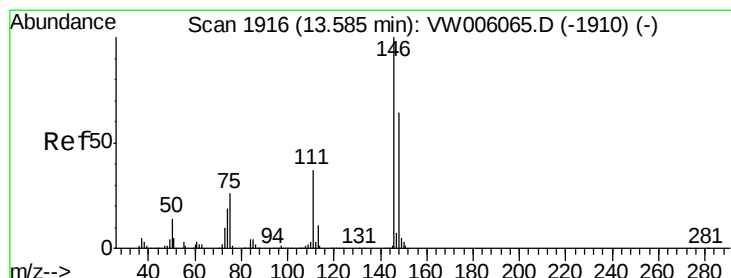
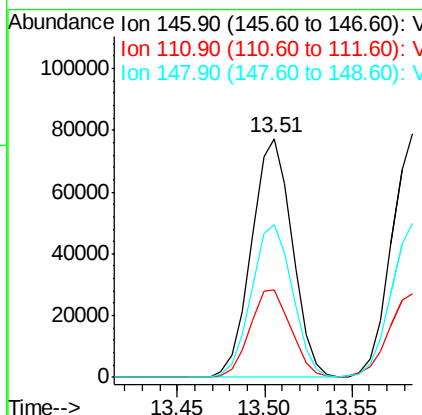
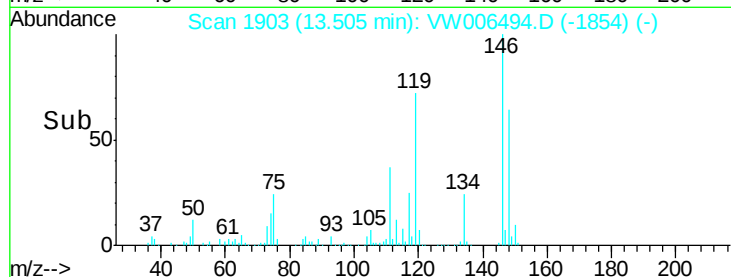
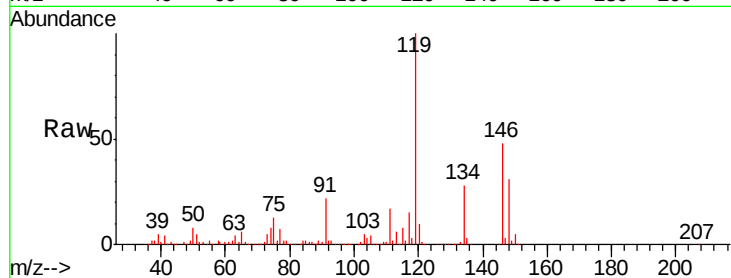




#87
 1,3-Dichlorobenzene
 Concen: 24.38 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

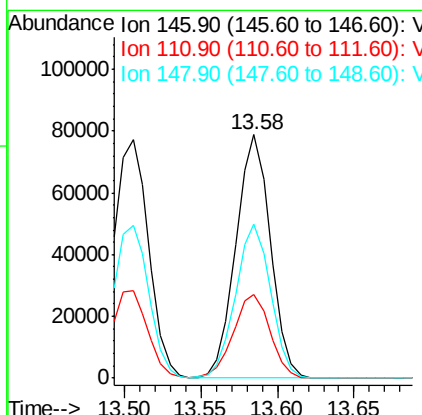
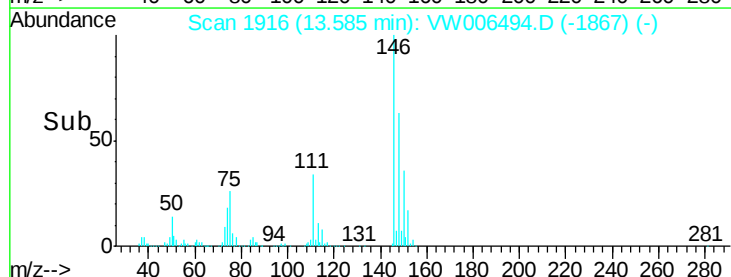
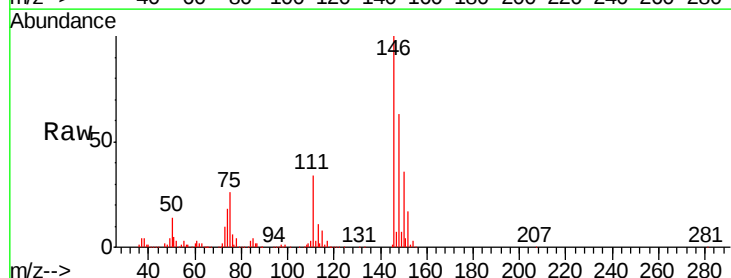
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tgt Ion:146 Resp: 125188
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.5
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 24.18 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion:146 Resp: 123611
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 56.0
 148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 24.05 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

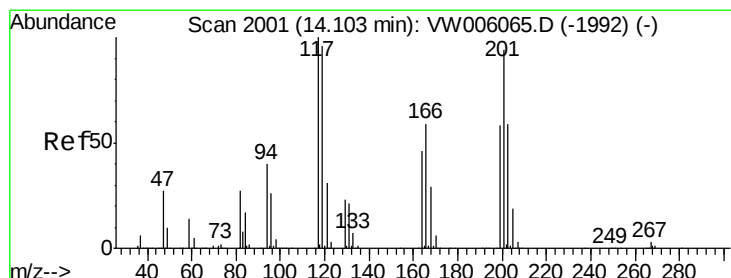
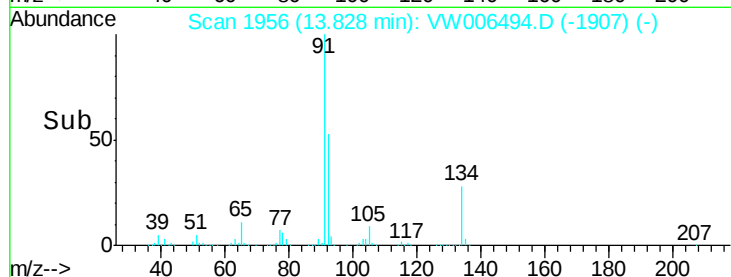
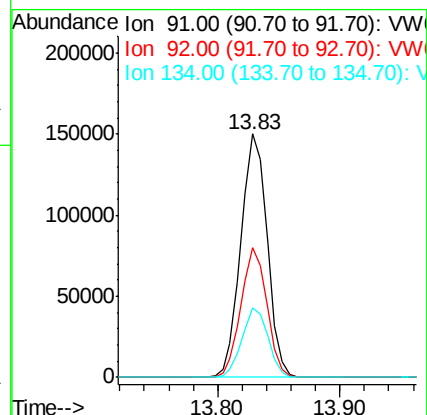
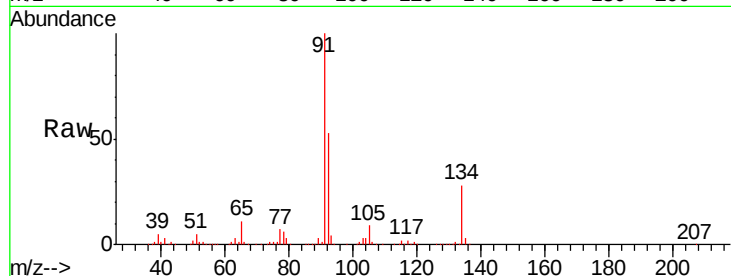
Tgt Ion: 91 Resp: 223284

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.7

134 28.3 14.0 41.9



#90

Hexachloroethane

Concen: 22.60 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006494.D

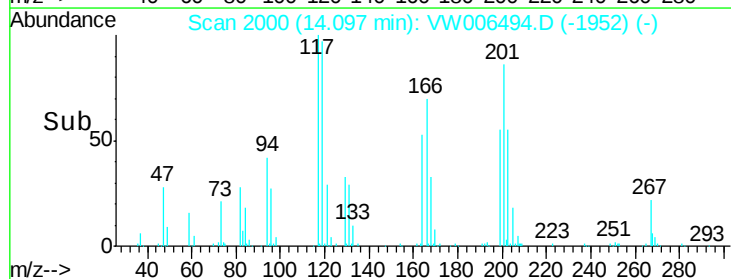
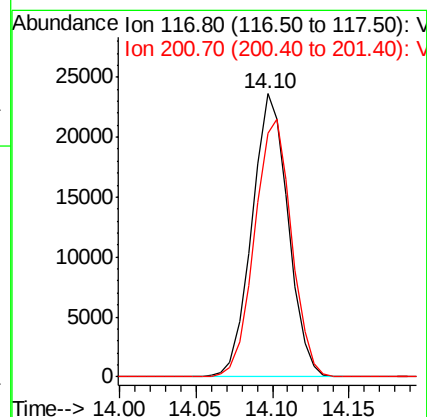
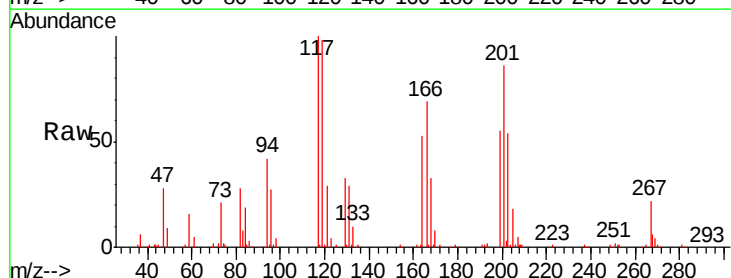
Acq: 30 Oct 2018 11:59

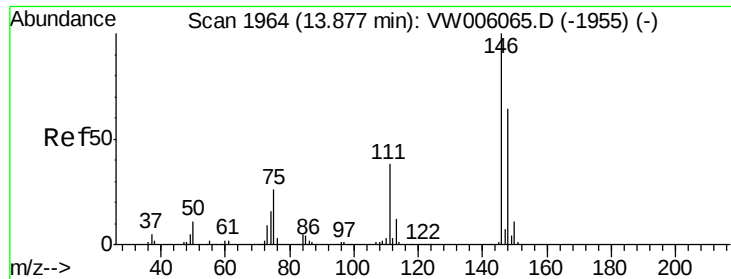
Tgt Ion: 117 Resp: 38860

Ion Ratio Lower Upper

117 100

201 92.6 45.3 135.9

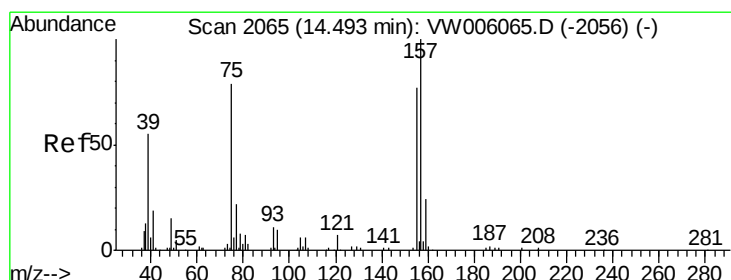
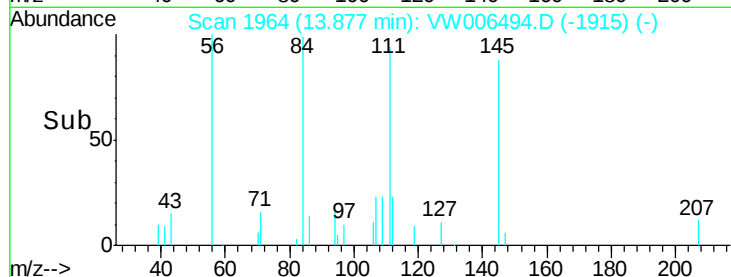
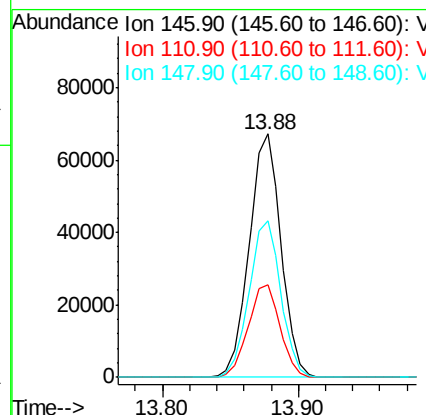
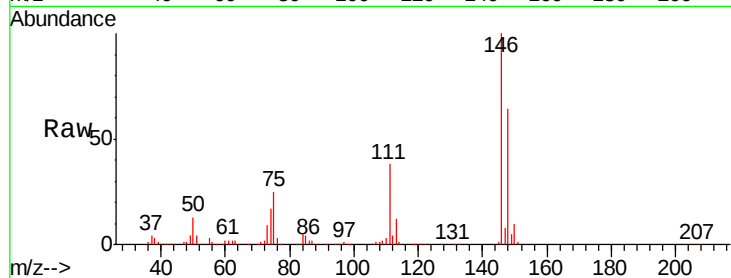




#91
 1,2-Dichlorobenzene
 Concen: 23.95 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

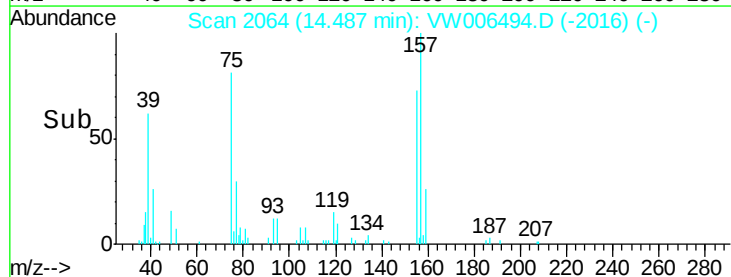
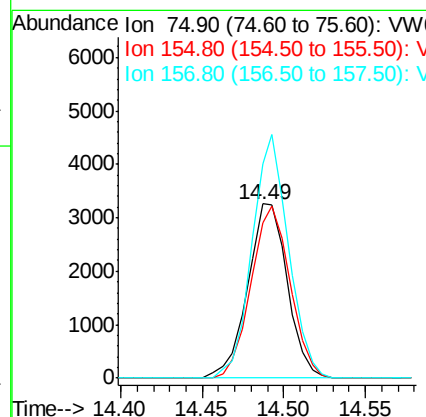
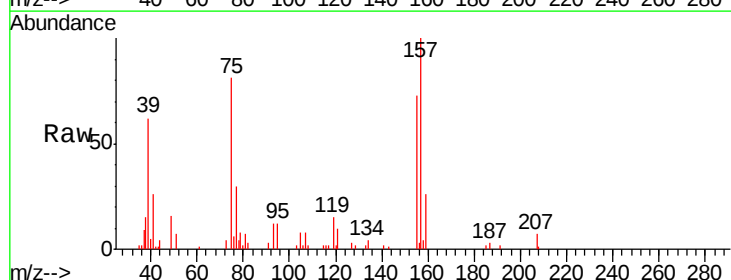
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

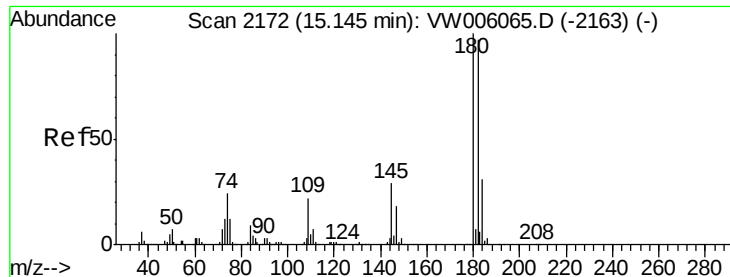
Tgt Ion:146 Resp: 109658
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.7
 148 64.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.21 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 75 Resp: 5510
 Ion Ratio Lower Upper
 75 100
 155 97.4 46.5 139.5
 157 128.0 59.8 179.4

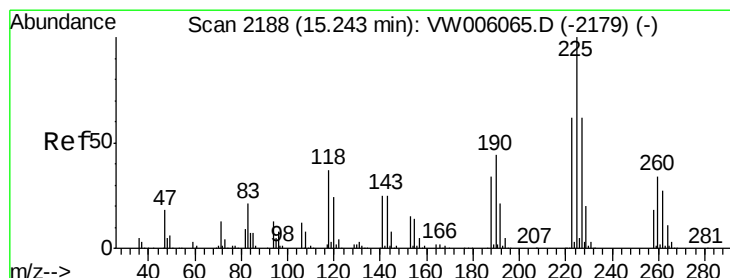
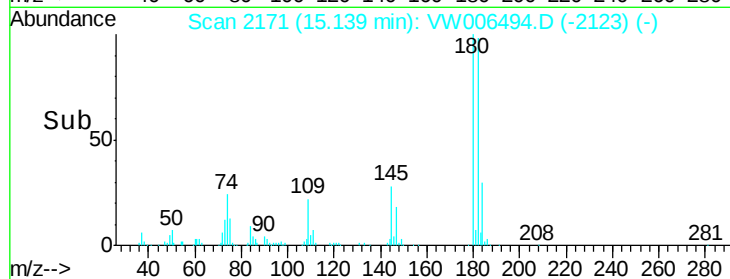
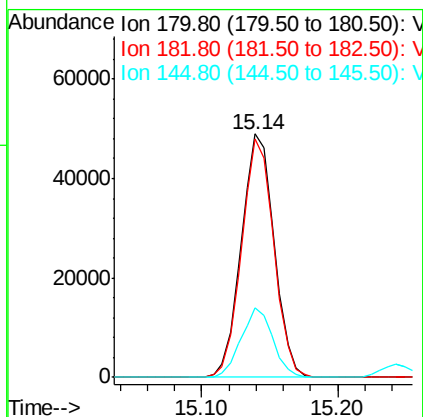
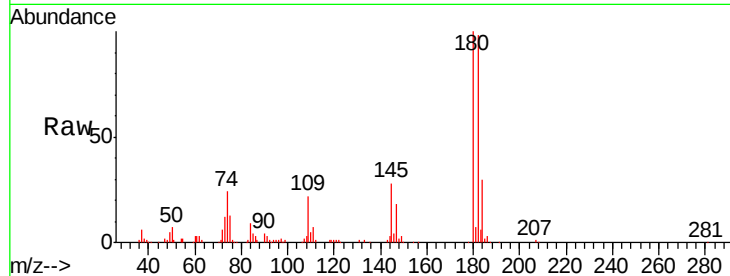




#93
 1,2,4-Trichlorobenzene
 Concen: 23.40 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

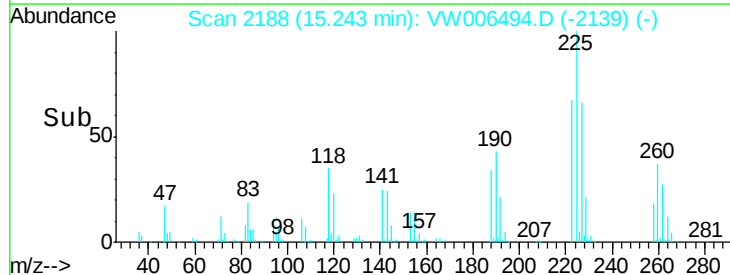
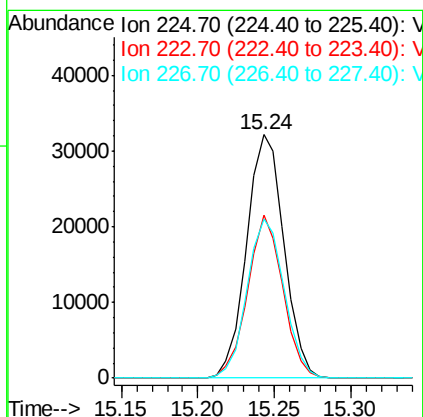
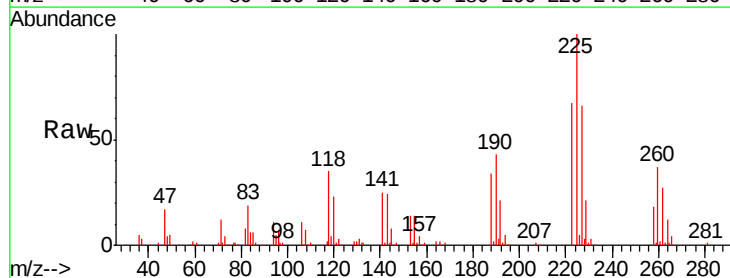
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

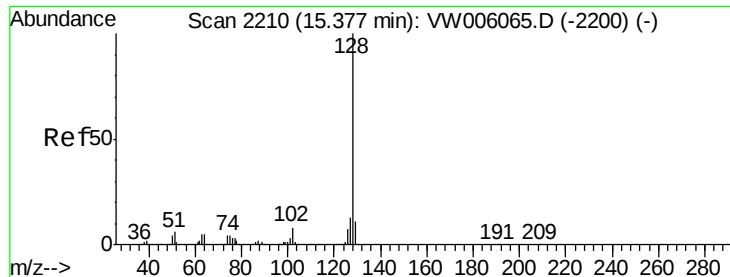
Tgt Ion:180 Resp: 82452
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.6
 145 27.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 24.68 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion:225 Resp: 54634
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 64.9 32.4 97.0

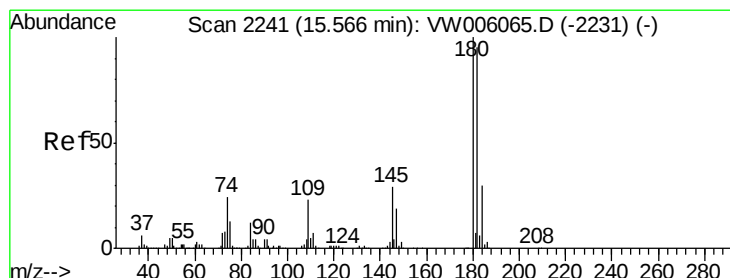
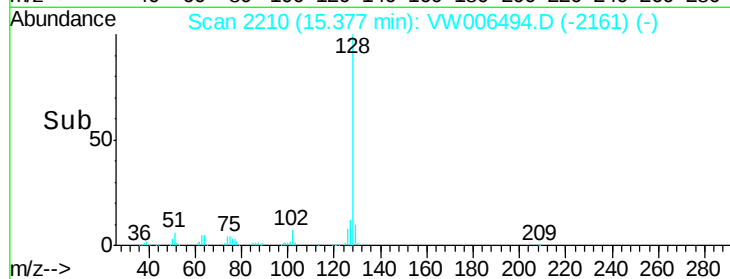
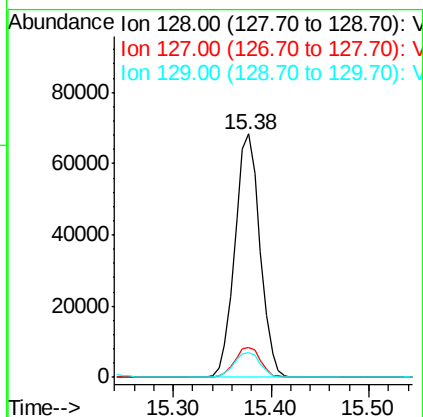
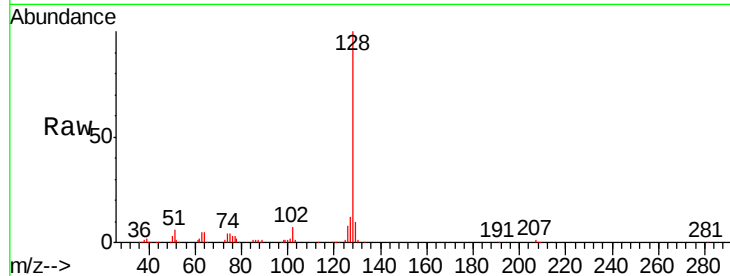




#95
Naphthalene
Concen: 20.72 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tgt Ion:128 Resp: 121463
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.95 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:180 Resp: 69940
Ion Ratio Lower Upper
180 100
182 94.8 47.8 143.3
145 29.2 15.0 45.1

