

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006224.D
 Acq On : 19 Oct 2018 14:54
 Operator : VA/AP
 Sample : VW1019BS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

Quant Time: Oct 20 01:18:20 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	274045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	386098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	194323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	103529	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	7.89	113	107455	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.33	98	411293	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.62	95	154738	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23476	17.311	ug/l	98
3) Chloromethane	2.22	50	30149	17.271	ug/l	97
4) Vinyl Chloride	2.37	62	47077	18.884	ug/l	100
5) Bromomethane	2.79	94	44507	19.629	ug/l	100
6) Chloroethane	2.93	64	32930	18.432	ug/l	98
7) Trichlorofluoromethane	3.26	101	42560	18.326	ug/l	100
8) Diethyl Ether	3.68	74	22309	18.075	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51489	21.156	ug/l	99
10) Methyl Iodide	4.27	142	81697	20.168	ug/l	99
11) Tert butyl alcohol	5.20	59	13780	90.183	ug/l	99
12) 1,1-Dichloroethene	4.04	96	46812	20.444	ug/l	94
13) Acrolein	3.90	56	14445	97.697	ug/l	100
14) Allyl chloride	4.67	41	63124	19.281	ug/l	98
15) Acrylonitrile	5.37	53	43129	97.424	ug/l	99
16) Acetone	4.13	43	52475	115.125	ug/l	100
17) Carbon Disulfide	4.38	76	120910	17.496	ug/l	98
18) Methyl Acetate	4.68	43	21090	18.446	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	68621	19.676	ug/l	97
20) Methylene Chloride	4.91	84	57722	23.136	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	52370	20.491	ug/l	98
22) Diisopropyl ether	6.32	45	130861	20.226	ug/l	99
23) Vinyl Acetate	6.26	43	356575	93.388	ug/l	99
24) 1,1-Dichloroethane	6.22	63	86752	20.780	ug/l	99
25) 2-Butanone	7.18	43	65107	106.077	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57907	19.667	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57800	20.494	ug/l	98
28) Bromochloromethane	7.51	49	28257	17.533	ug/l	99
29) Tetrahydrofuran	7.54	42	34820	92.294	ug/l	98
30) Chloroform	7.68	83	95090	20.906	ug/l	100
31) Cyclohexane	7.96	56	84889	20.419	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	83417	20.331	ug/l	99
36) 1,1-Dichloropropene	8.09	75	76819	21.586	ug/l	99
37) Ethyl Acetate	7.26	43	24484	18.517	ug/l	98
38) Carbon Tetrachloride	8.07	117	79070	20.268	ug/l	97

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 Data File : VW006224.D
 Acq On : 19 Oct 2018 14:54
 Operator : VA/AP
 Sample : VW1019BS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

Quant Time: Oct 20 01:18:20 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)
39) Methylcyclohexane	9.34	83	99429	21.019	ug/l	99
40) Benzene	8.33	78	209878	21.500	ug/l	98
41) Methacrylonitrile	7.49	41	14622	18.344	ug/l	94
42) 1,2-Dichloroethane	8.40	62	60637	21.142	ug/l	100
43) Isopropyl Acetate	8.43	43	50083	18.526	ug/l	99
44) Trichloroethene	9.09	130	63088	21.065	ug/l	94
45) 1,2-Dichloropropane	9.37	63	48485	20.756	ug/l	99
46) Dibromomethane	9.46	93	27243	20.462	ug/l	99
47) Bromodichloromethane	9.65	83	62574	19.385	ug/l	97
48) Methyl methacrylate	9.44	41	23696	18.491	ug/l	96
49) 1,4-Dioxane	9.46	88	7769	379.046	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	131623	97.173	ug/l	100
52) Toluene	10.39	92	139013	21.241	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58886	18.310	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	71792	19.451	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38022	20.408	ug/l	97
56) Ethyl methacrylate	10.65	69	44116	19.315	ug/l	99
57) 1,3-Dichloropropane	10.94	76	64173	20.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	87763	100.558	ug/l	98
59) 2-Hexanone	10.98	43	98281	101.644	ug/l	100
60) Dibromochloromethane	11.13	129	42782	18.435	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37374	20.076	ug/l	98
64) Tetrachloroethene	10.87	164	57731	21.216	ug/l	98
65) Chlorobenzene	11.66	112	162377	21.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	53370	20.014	ug/l	99
67) Ethyl Benzene	11.74	91	282664	21.736	ug/l	98
68) m/p-Xylenes	11.85	106	222187	43.228	ug/l	100
69) o-Xylene	12.17	106	103320	21.092	ug/l	99
70) Styrene	12.19	104	168020	21.093	ug/l	100
71) Bromoform	12.35	173	24880	16.727	ug/l #	99
73) Isopropylbenzene	12.47	105	300174	21.865	ug/l	99
74) N-amyl acetate	12.28	43	49376	18.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	42863	20.528	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53440	36.005	ug/l #	100
77) Bromobenzene	12.76	156	71422	21.241	ug/l	99
78) n-propylbenzene	12.81	91	351593	22.013	ug/l	100
79) 2-Chlorotoluene	12.90	91	195331	21.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	250411	21.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9501	15.301	ug/l	87
82) 4-Chlorotoluene	12.99	91	202708	21.564	ug/l	99
83) tert-Butylbenzene	13.21	119	223568	21.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	255185	21.790	ug/l	99
85) sec-Butylbenzene	13.39	105	323811	22.136	ug/l	100
86) p-Isopropyltoluene	13.51	119	289538	21.883	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	144770	21.633	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143426	21.526	ug/l	99
89) n-Butylbenzene	13.83	91	268459	22.186	ug/l	99
90) Hexachloroethane	14.10	117	41524	18.528	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	128393	21.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6459	17.277	ug/l	97

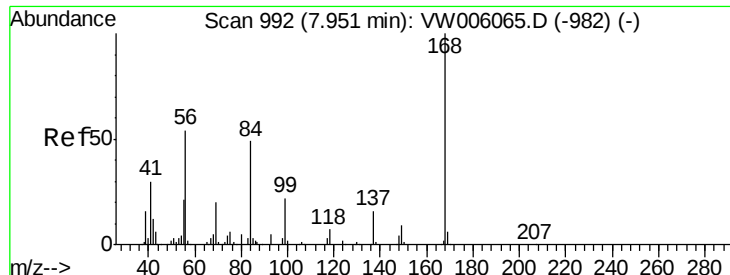
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
Data File : VW006224.D
Acq On : 19 Oct 2018 14:54
Operator : VA/AP
Sample : VW1019BS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

Quant Time: Oct 20 01:18:20 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)
93) 1,2,4-Trichlorobenzene	15.15	180	98305	21.403	ug/l	100
94) Hexachlorobutadiene	15.25	225	63898	22.146	ug/l	99
95) Naphthalene	15.38	128	152872	20.008	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	85378	21.491	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

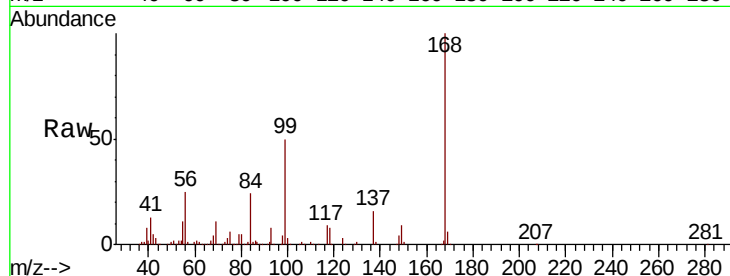
VW1019SBS01

Tot Ion:168 Resp: 274045

Ion Ratio Lower Upper

168 100

99 49.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

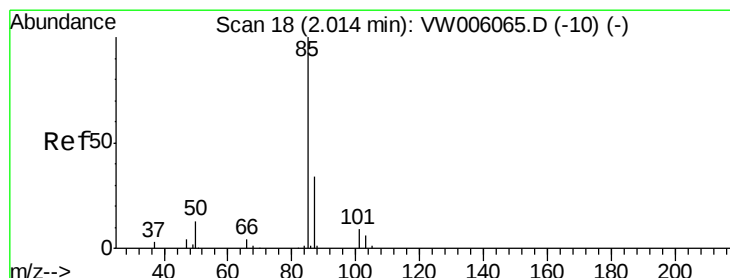
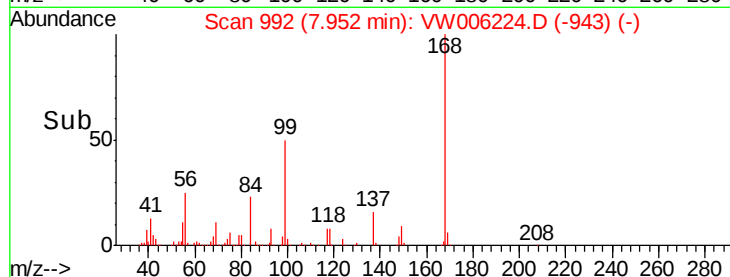
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.311 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006224.D

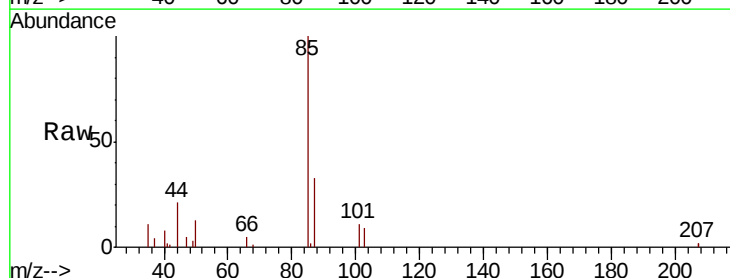
Acq: 19 Oct 2018 14:54

Tgt Ion: 85 Resp: 23476

Ion Ratio Lower Upper

85 100

87 32.8 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

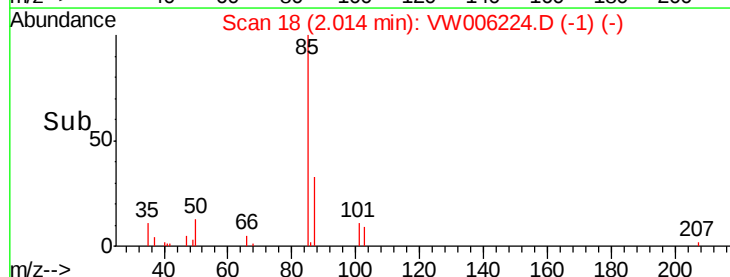
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4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.271 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

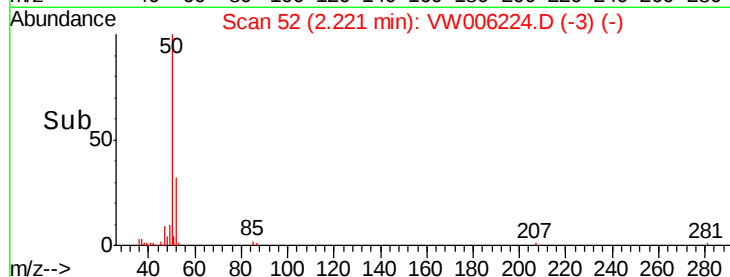
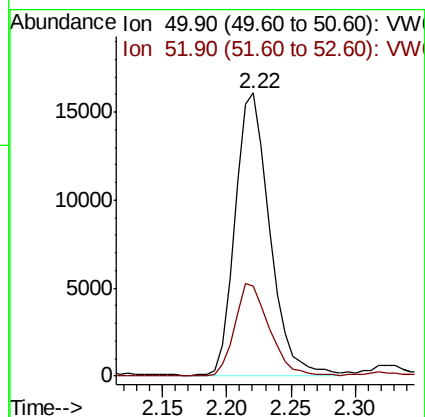
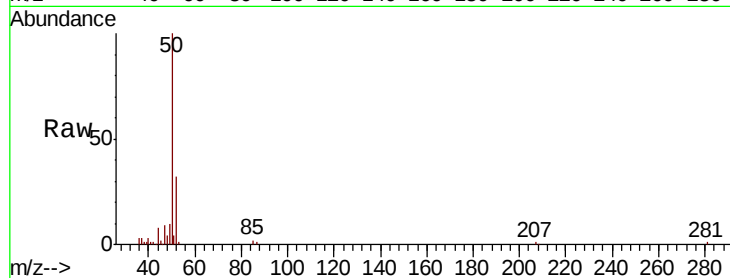
VW1019SBS01

Tot Ion: 50 Resp: 30149

Ion Ratio Lower Upper

50 100

52 32.0 26.8 40.2



#4

Vinyl Chloride

Concen: 18.884 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006224.D

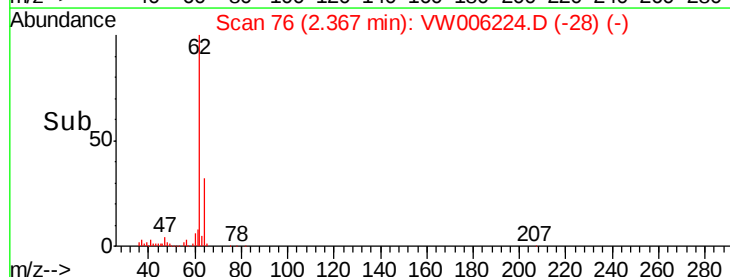
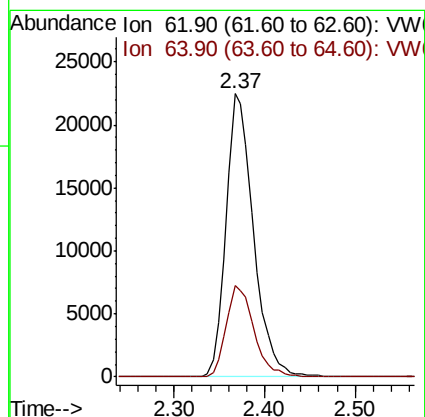
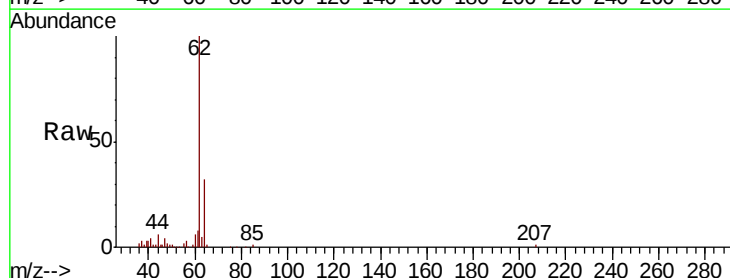
Acq: 19 Oct 2018 14:54

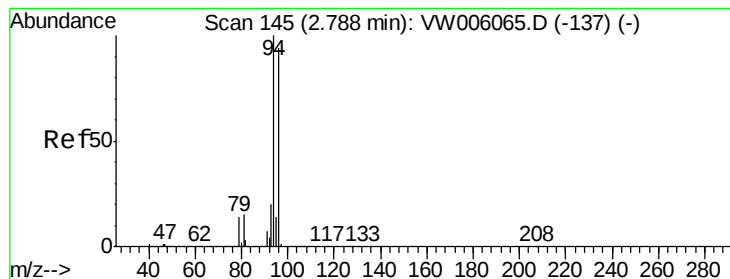
Tgt Ion: 62 Resp: 47077

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 19.629 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

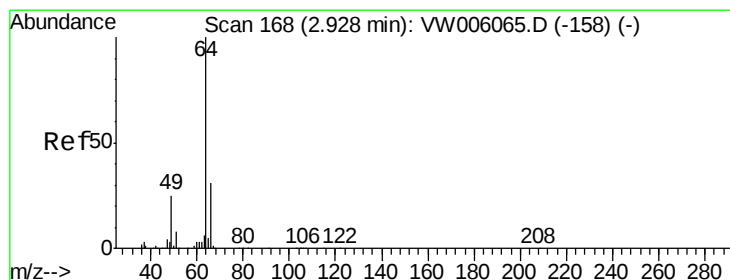
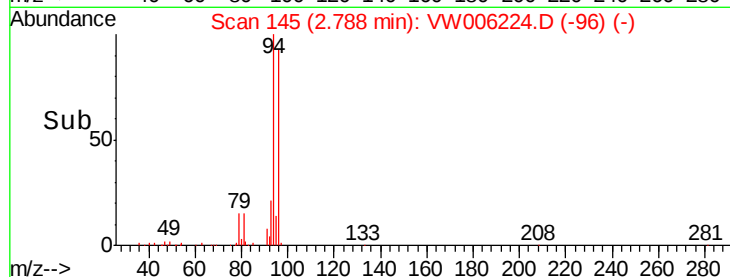
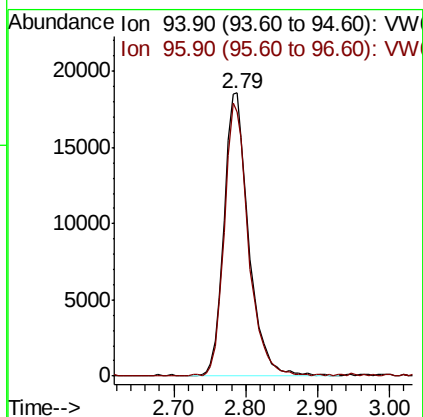
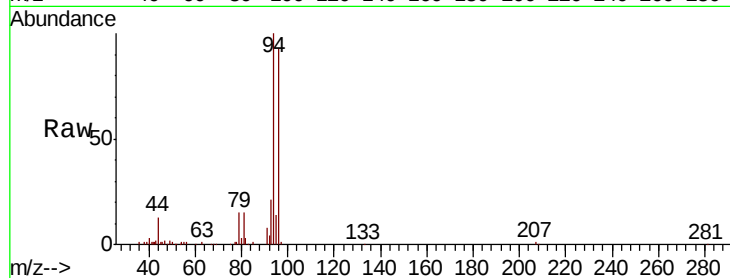
VW1019SBS01

Tot Ion: 94 Resp: 44507

Ion Ratio Lower Upper

94 100

96 93.4 74.9 112.3



#6

Chloroethane

Concen: 18.432 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006224.D

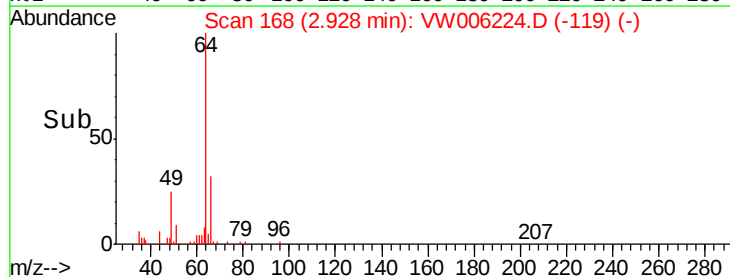
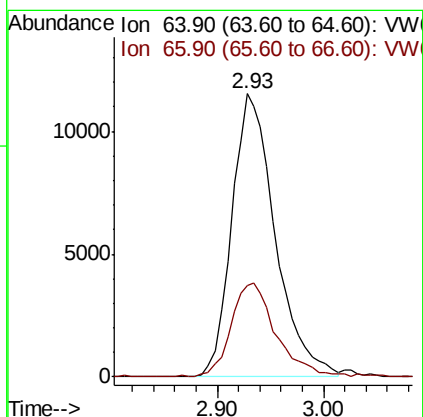
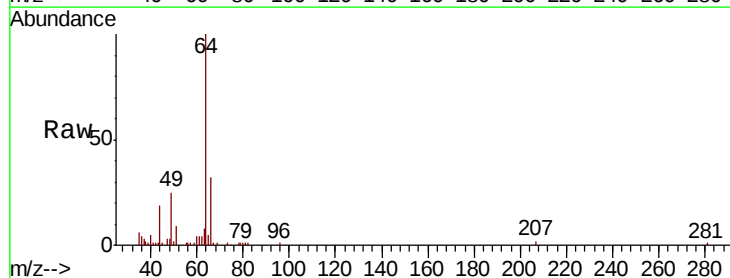
Acq: 19 Oct 2018 14:54

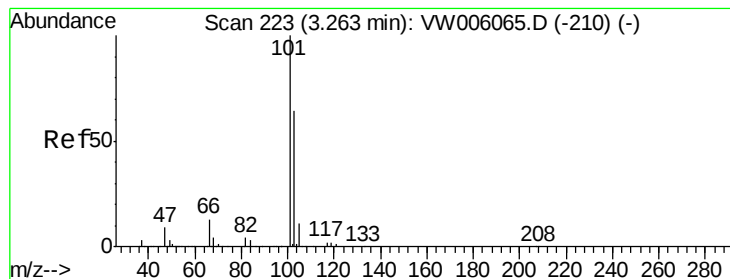
Tgt Ion: 64 Resp: 32930

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3



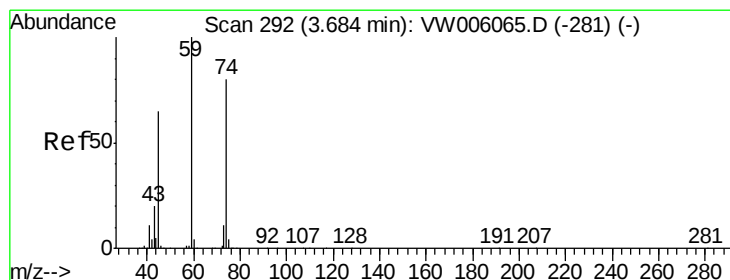
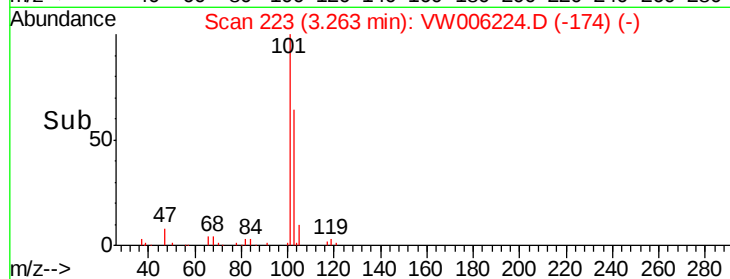
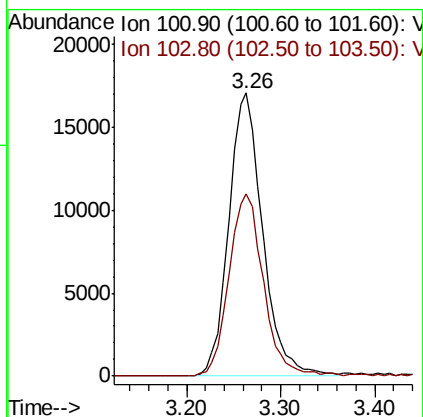
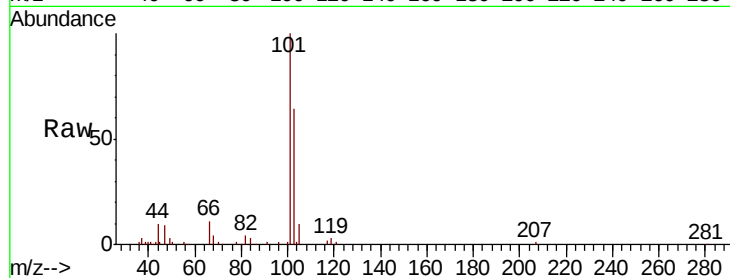


#7

Trichlorofluoromethane
 Concen: 18.326 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

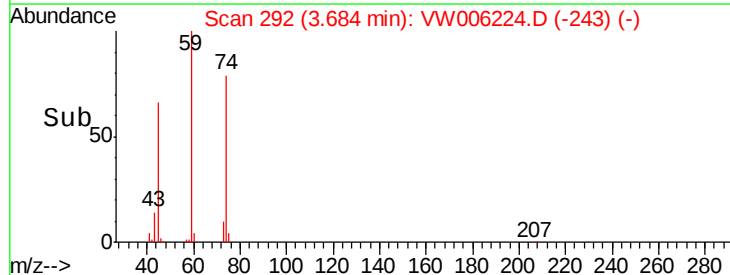
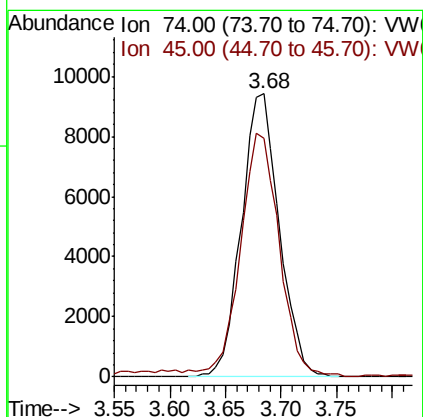
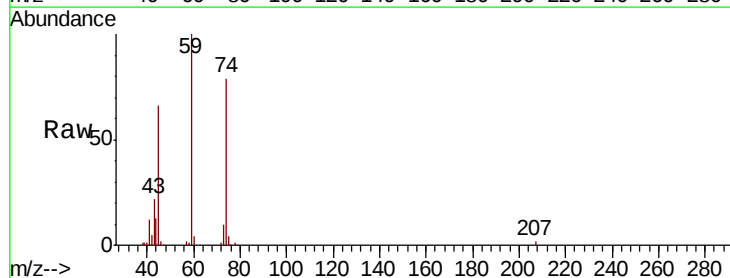
Tot Ion:101 Resp: 42560
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8



#8

Diethyl Ether
 Concen: 18.075 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion: 74 Resp: 22309
 Ion Ratio Lower Upper
 74 100
 45 88.4 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.156 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

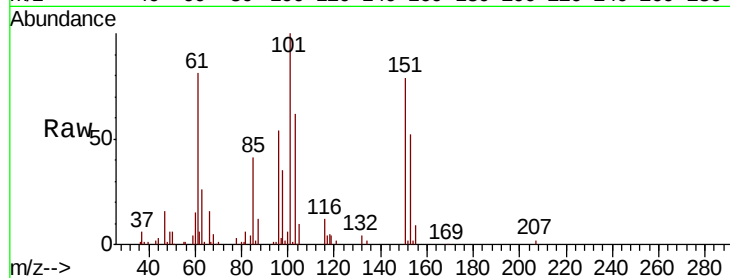
Tot Ion:101 Resp: 51489

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

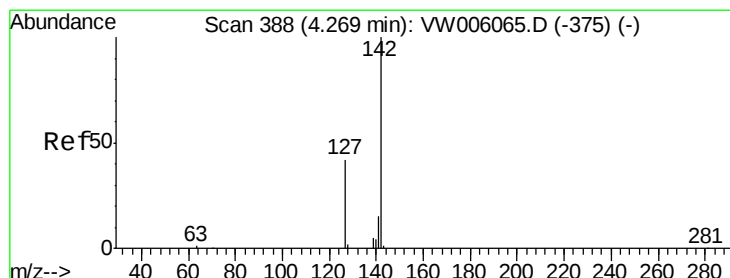
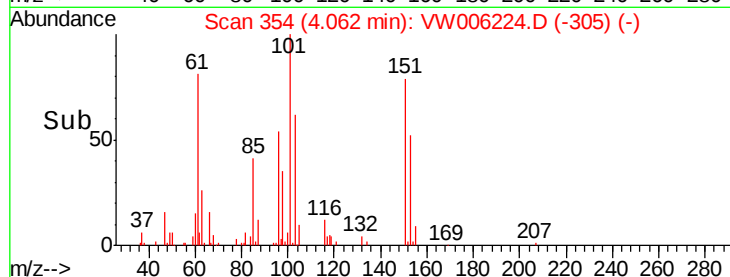
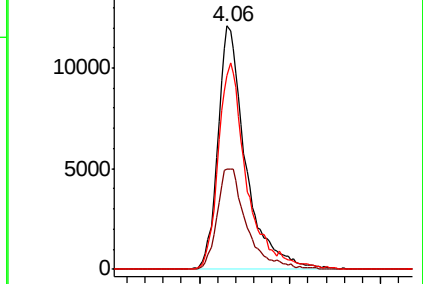
151 86.5 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.168 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

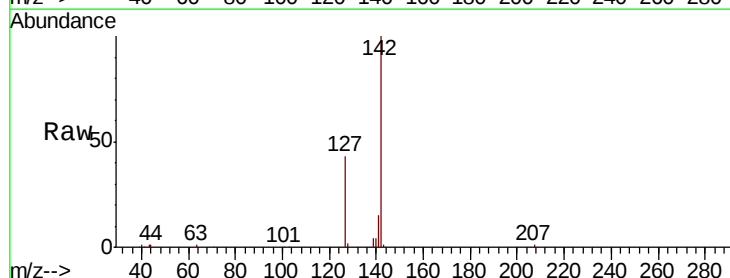
Tgt Ion:142 Resp: 81697

Ion Ratio Lower Upper

142 100

127 42.6 33.6 50.4

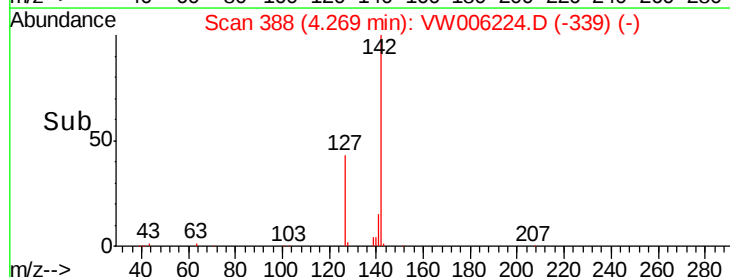
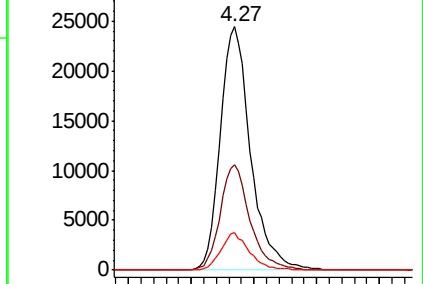
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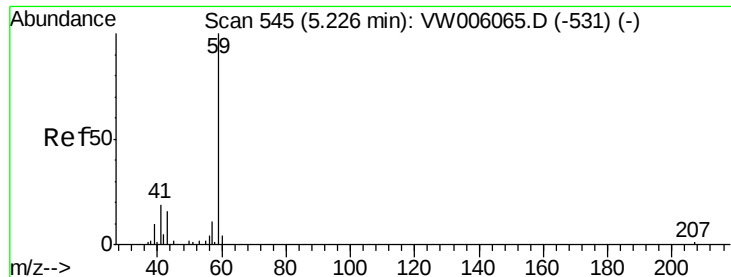


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



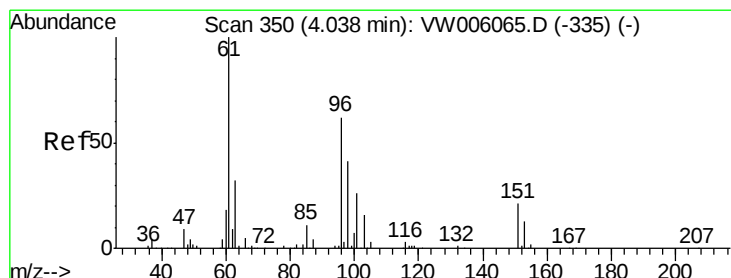
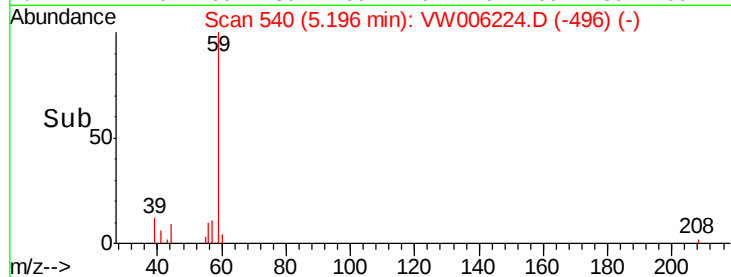
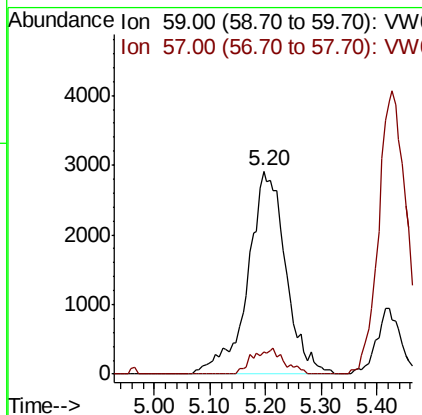
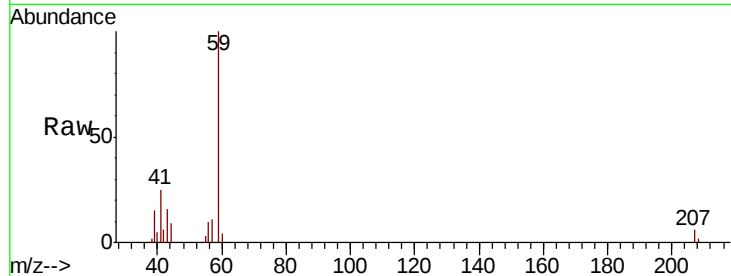


#11

Tert butyl alcohol
Concen: 90.183 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.03 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

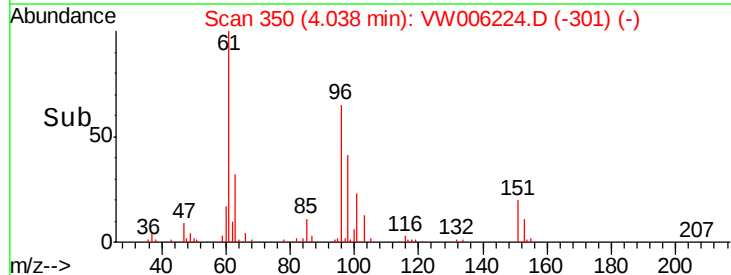
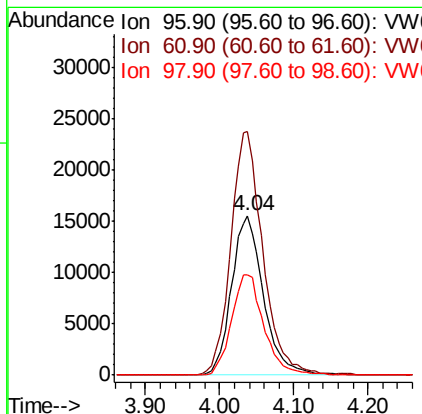
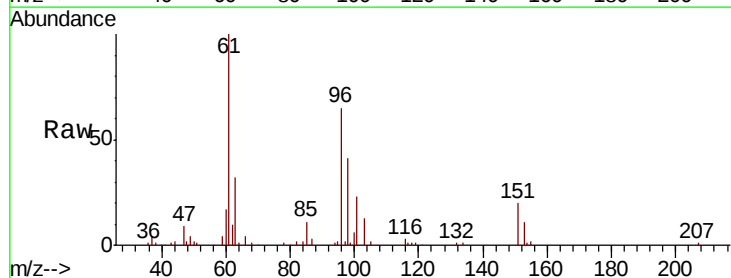
Tot Ion: 59 Resp: 13780
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

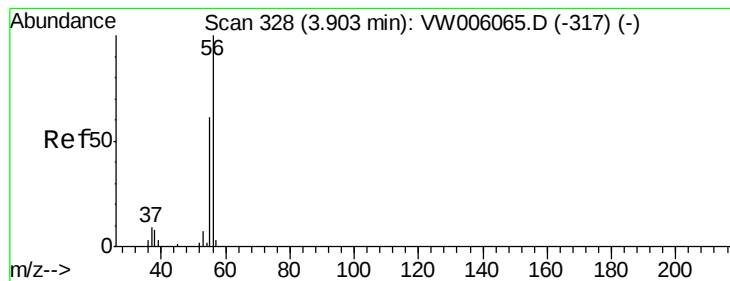


#12

1,1-Dichloroethene
Concen: 20.444 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion: 96 Resp: 46812
Ion Ratio Lower Upper
96 100
61 152.8 129.3 193.9
98 62.9 53.1 79.7





#13

Acrolein

Concen: 97.697 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

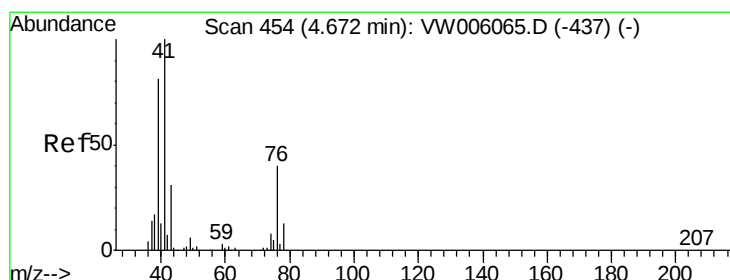
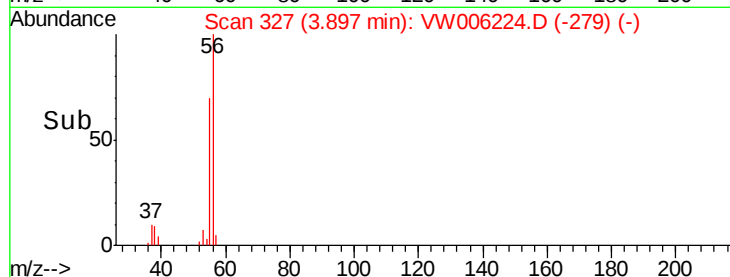
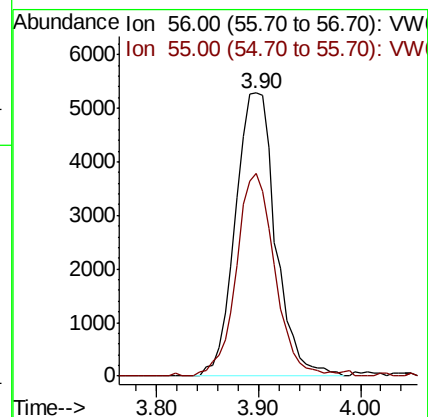
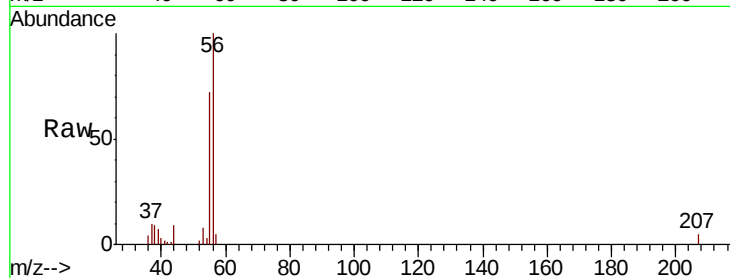
VW1019SBS01

Tot Ion: 56 Resp: 14445

Ion Ratio Lower Upper

56 100

55 68.1 54.5 81.7



#14

Allyl chloride

Concen: 19.281 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

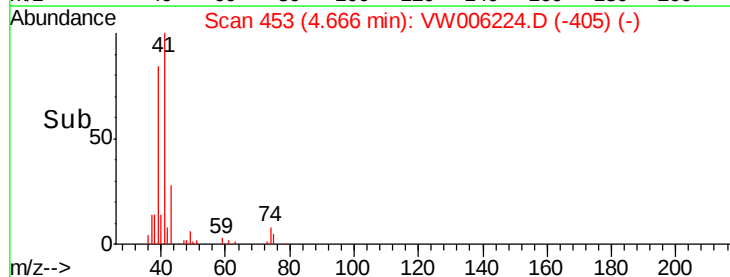
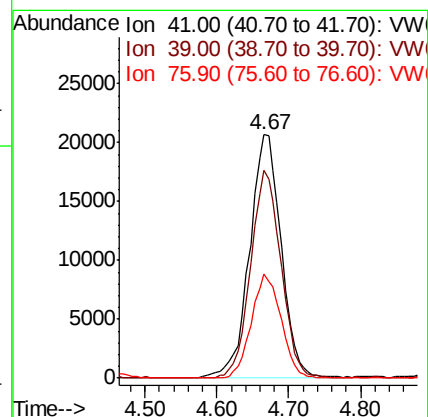
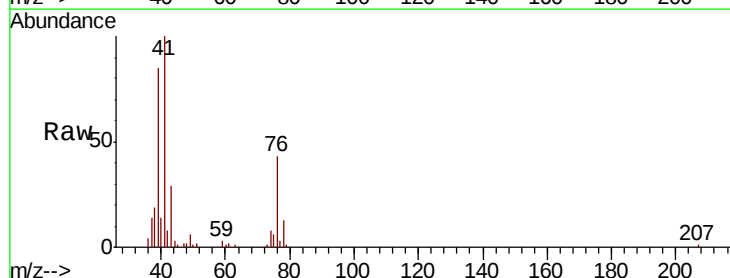
Tgt Ion: 41 Resp: 63124

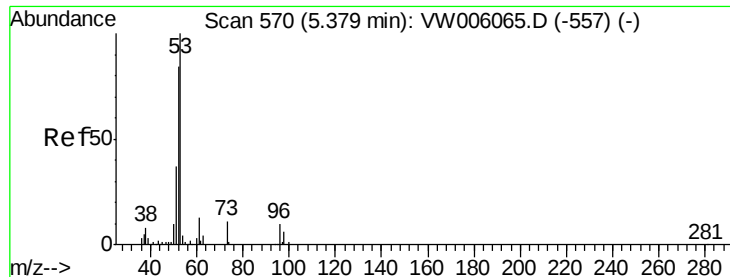
Ion Ratio Lower Upper

41 100

39 82.0 64.1 96.1

76 39.8 32.2 48.4





#15

Acrylonitrile

Concen: 97.424 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

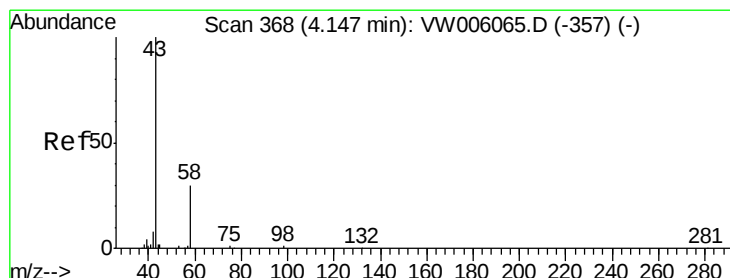
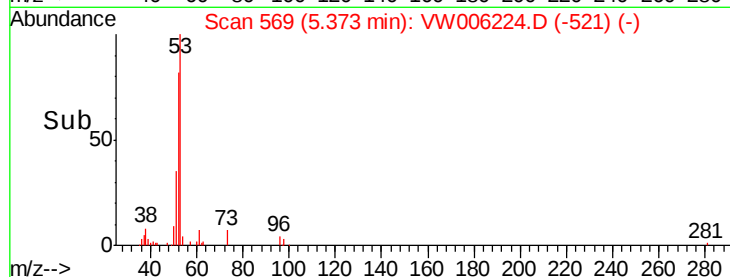
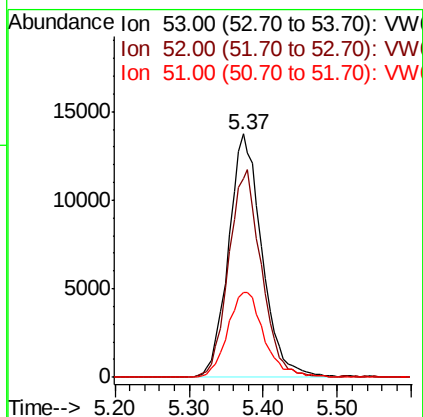
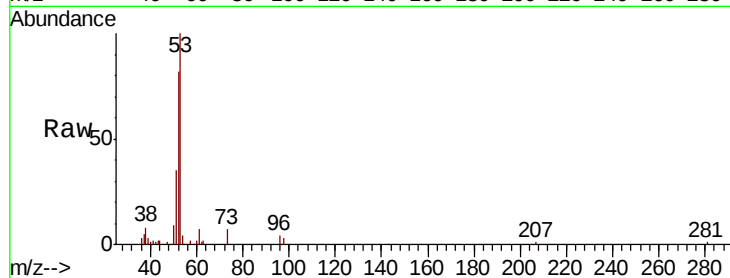
Tot Ion: 53 Resp: 43129

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

51 38.1 30.1 45.1



#16

Acetone

Concen: 115.125 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006224.D

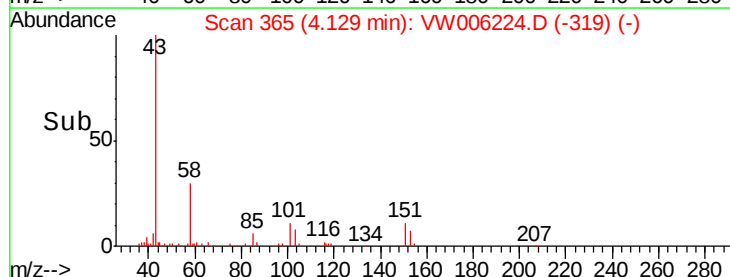
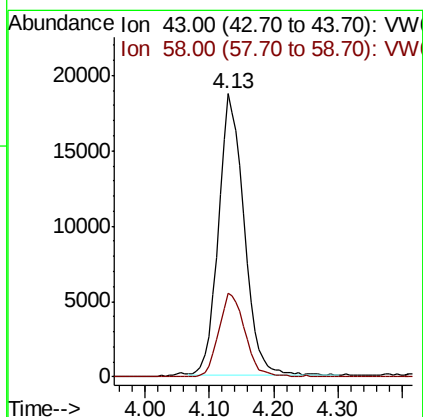
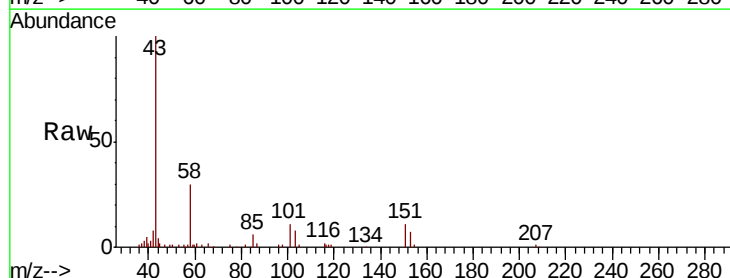
Acq: 19 Oct 2018 14:54

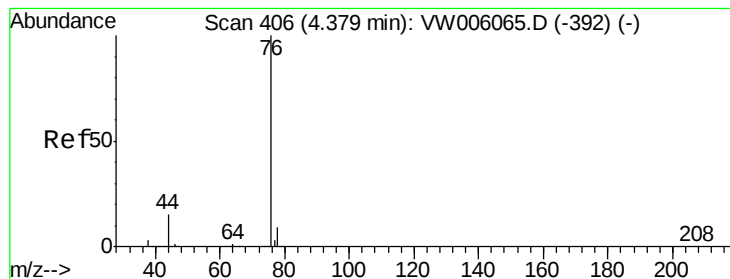
Tgt Ion: 43 Resp: 52475

Ion Ratio Lower Upper

43 100

58 29.8 24.0 36.0





#17

Carbon Disulfide

Concen: 17.496 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

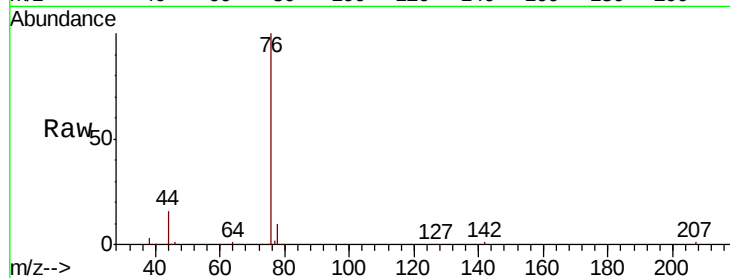
VW1019SBS01

Tot Ion: 76 Resp: 120910

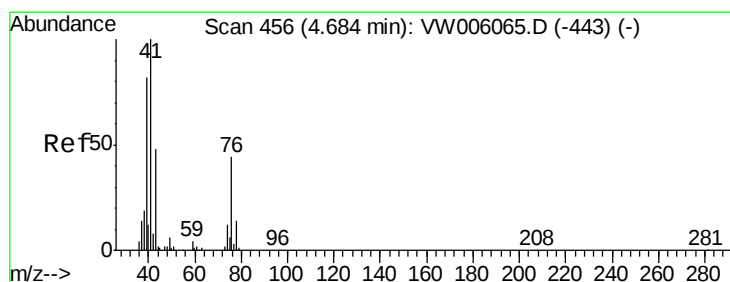
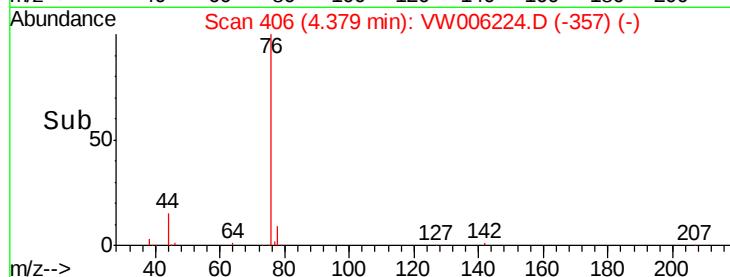
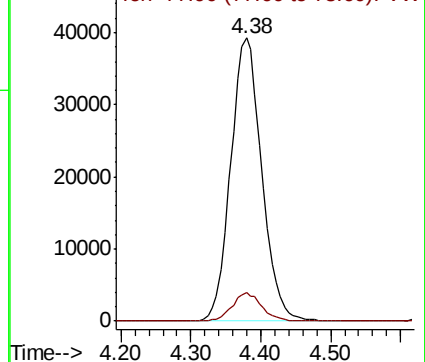
Ion Ratio Lower Upper

76 100

78 10.2 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: 18.446 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006224.D

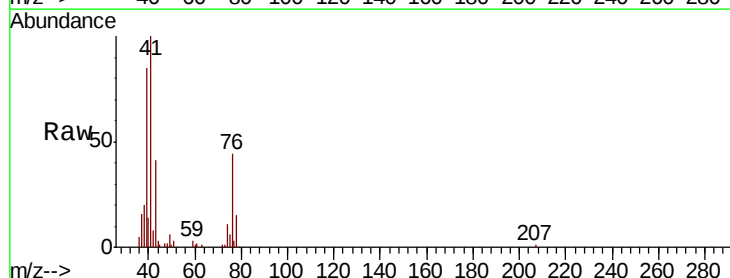
Acq: 19 Oct 2018 14:54

Tgt Ion: 43 Resp: 21090

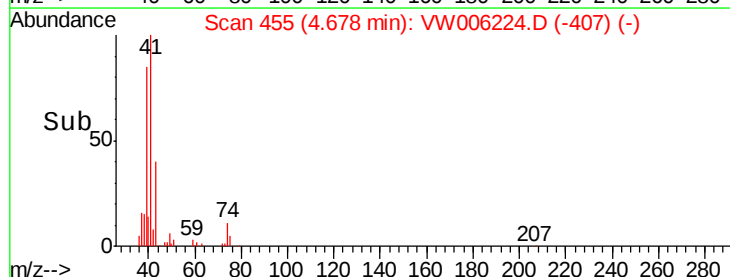
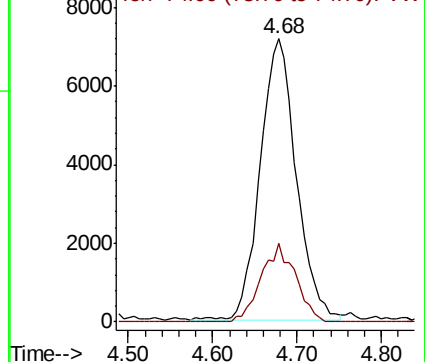
Ion Ratio Lower Upper

43 100

74 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

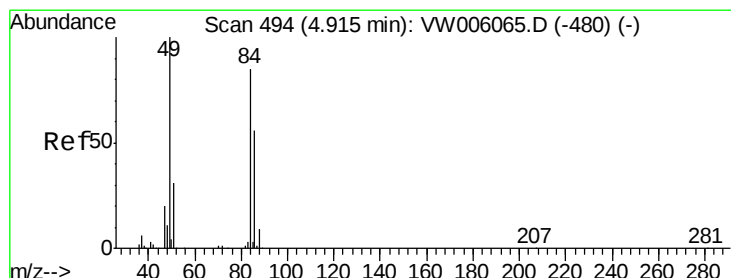
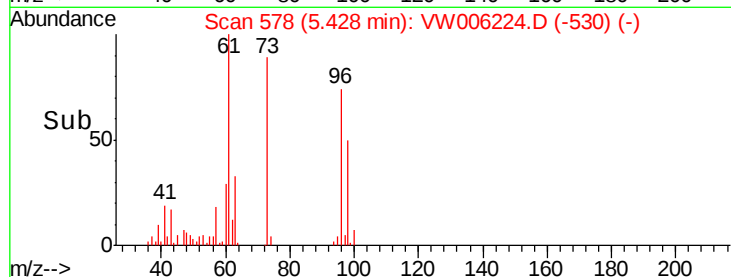
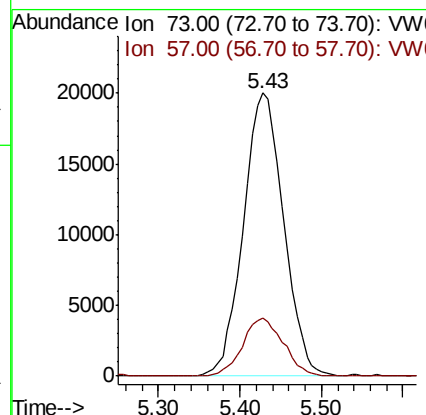
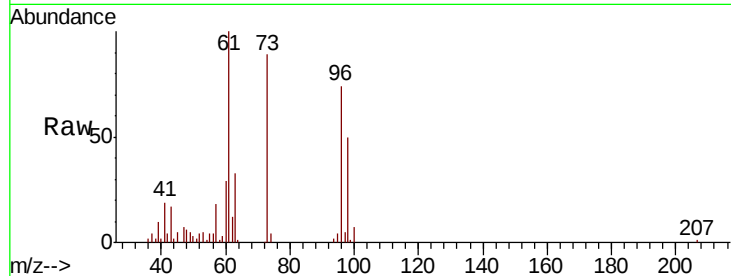




#19
Methyl tert-butyl Ether
Concen: 19.676 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

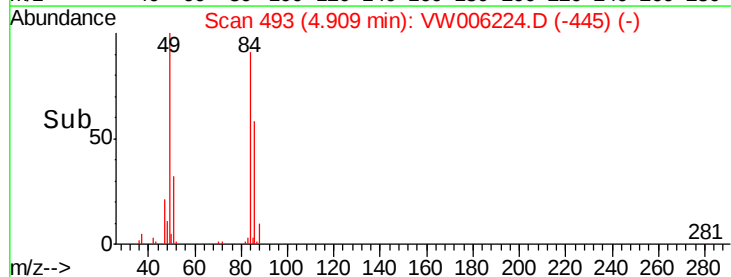
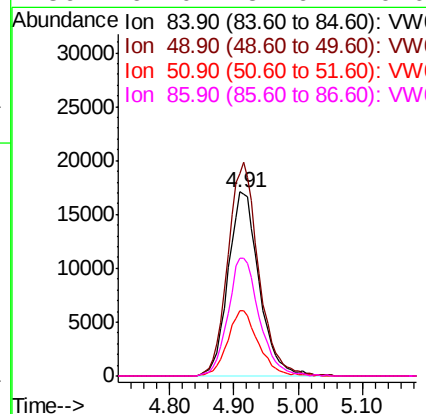
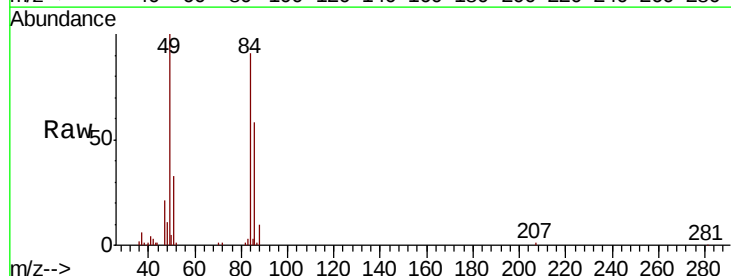
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

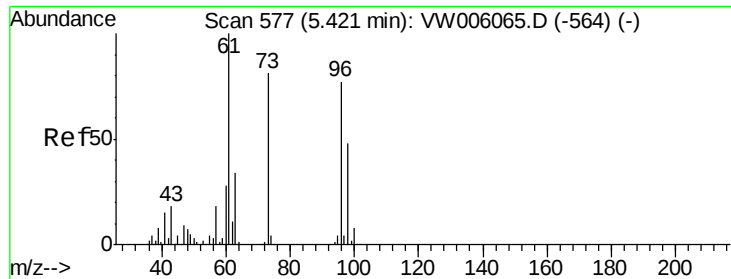
Tot Ion: 73 Resp: 68621
Ion Ratio Lower Upper
73 100
57 20.3 17.4 26.2



#20
Methylene Chloride
Concen: 23.136 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion: 84 Resp: 57722
Ion Ratio Lower Upper
84 100
49 109.9 93.6 140.4
51 35.9 29.0 43.4
86 64.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.491 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

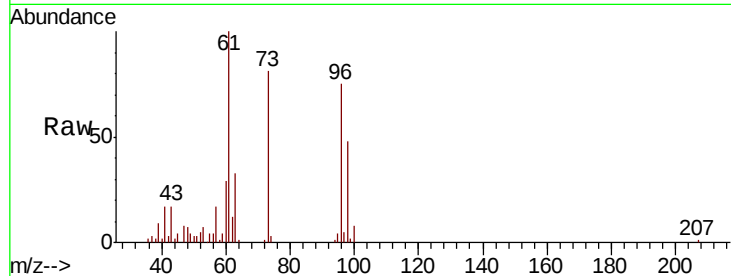
Tot Ion: 96 Resp: 52370

Ion Ratio Lower Upper

96 100

61 133.8 104.5 156.7

98 64.4 50.6 75.8

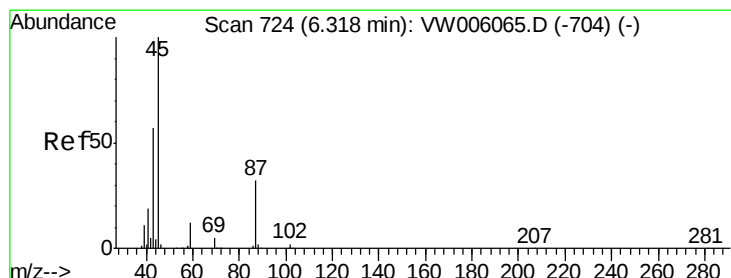
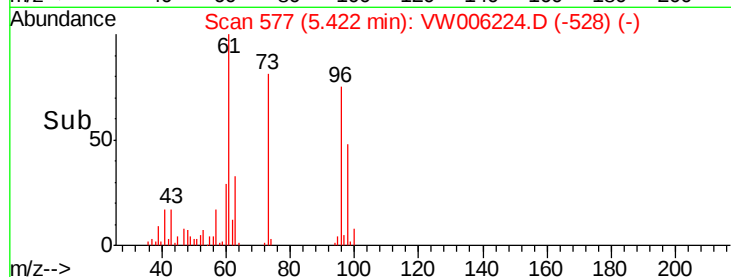
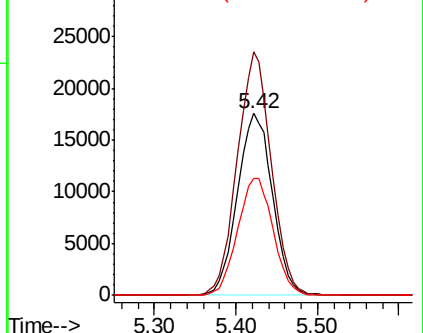


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.226 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Tgt Ion: 45 Resp: 130861

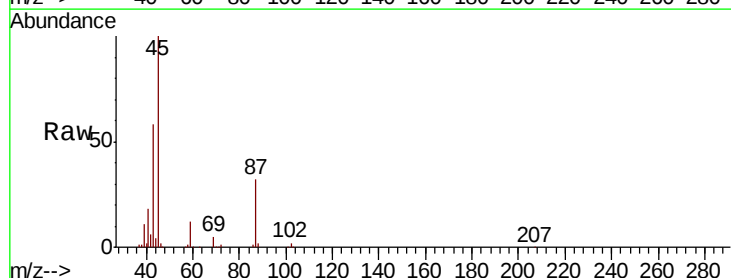
Ion Ratio Lower Upper

45 100

43 57.3 45.7 68.5

87 31.5 25.9 38.9

59 12.3 9.6 14.4



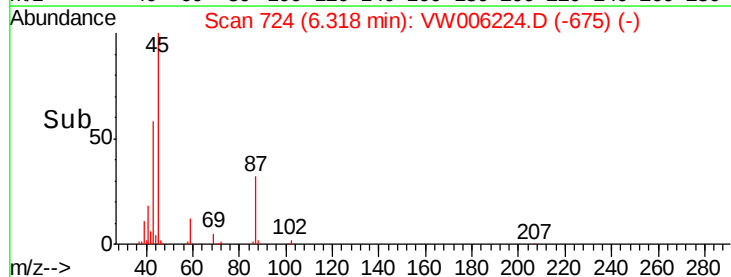
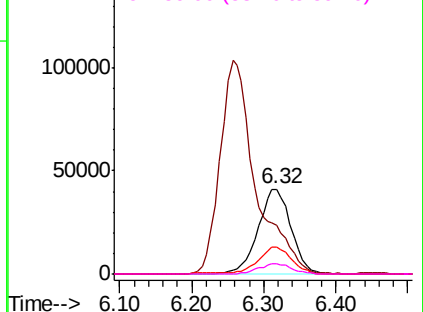
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 93.388 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

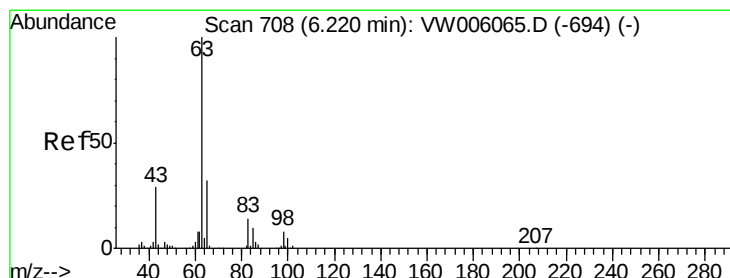
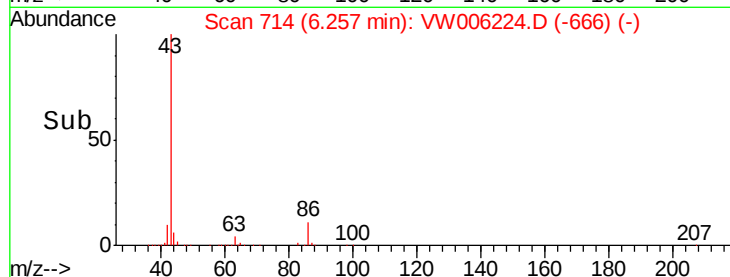
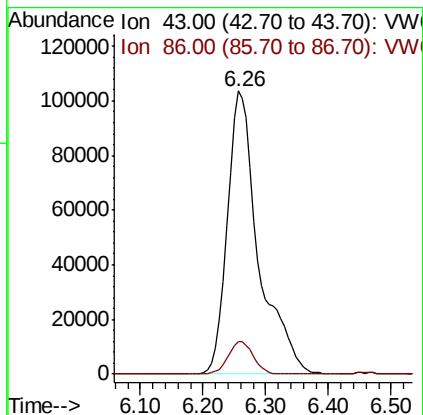
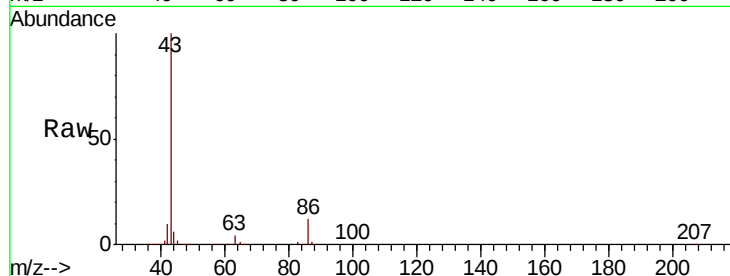
VW1019SBS01

Tot Ion: 43 Resp: 356575

Ion Ratio Lower Upper

43 100

86 11.6 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.780 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

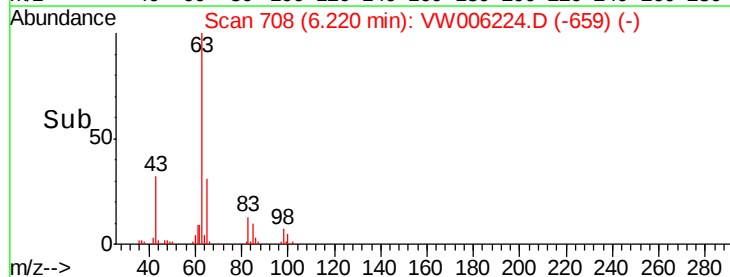
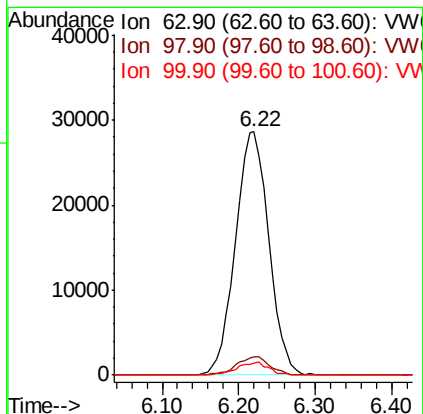
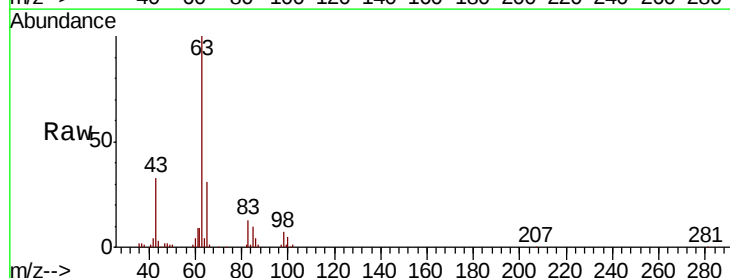
Tgt Ion: 63 Resp: 86752

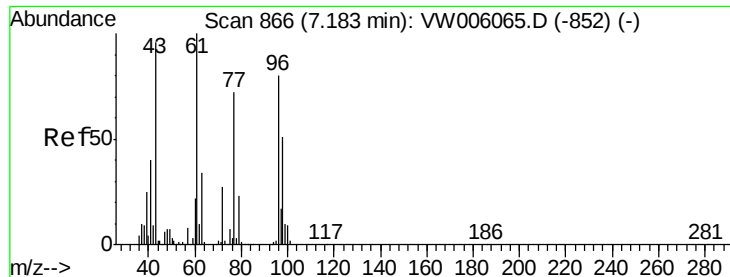
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 106.077 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampled :

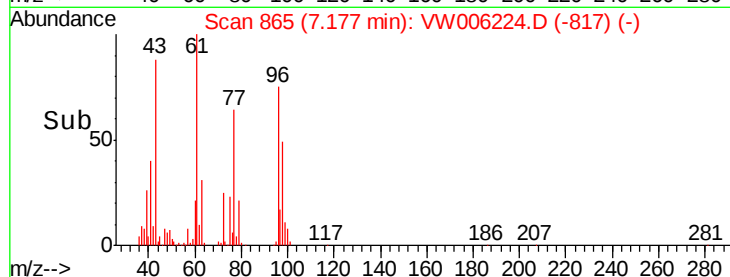
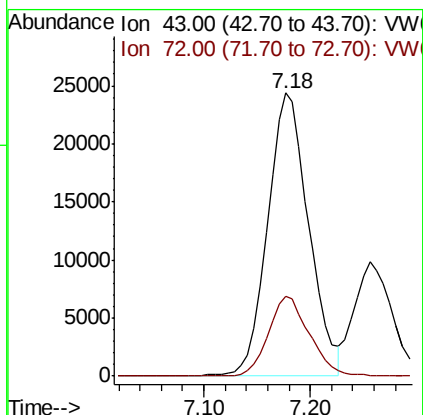
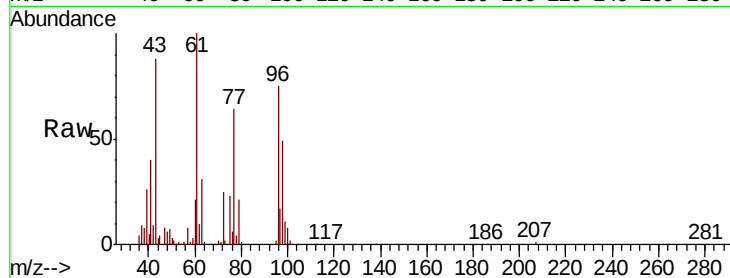
VW1019SBS01

Tot Ion: 43 Resp: 65107

Ion Ratio Lower Upper

43 100

72 28.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.667 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006224.D

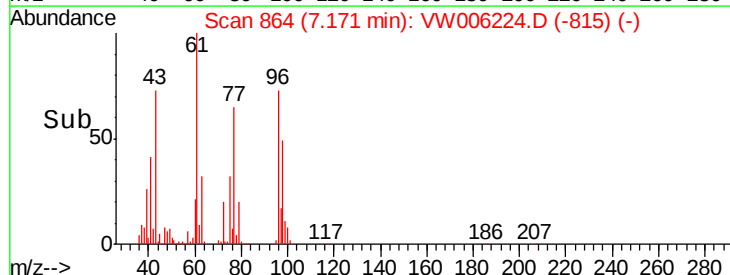
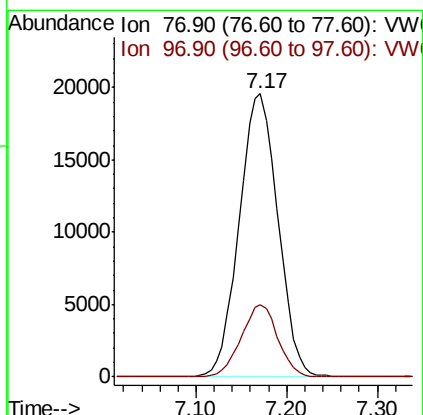
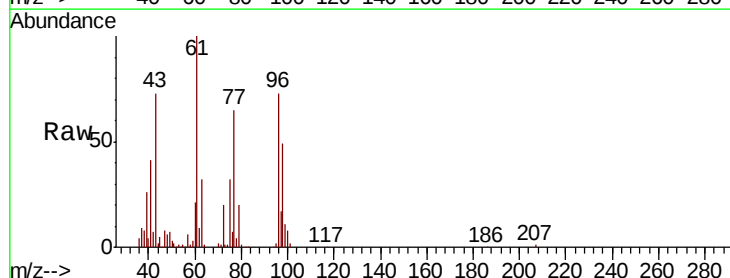
Acq: 19 Oct 2018 14:54

Tgt Ion: 77 Resp: 57907

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4



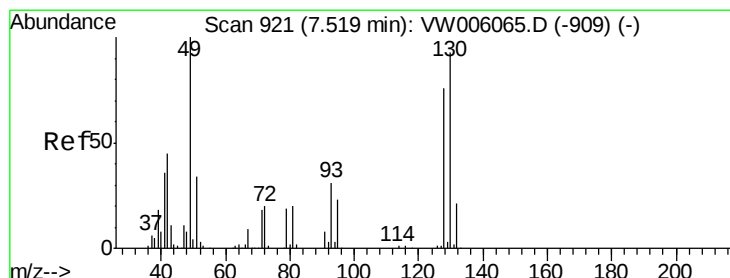
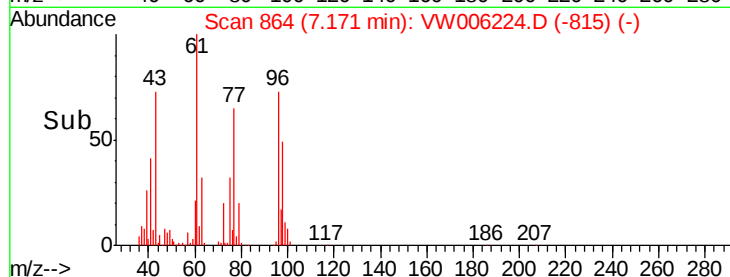
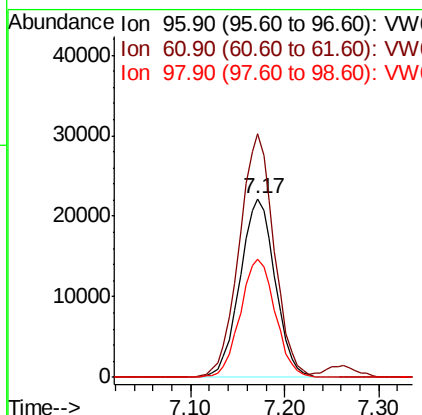
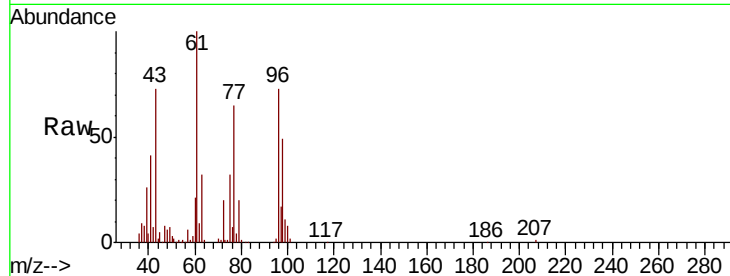


#27

cis-1,2-Dichloroethene
 Concen: 20.494 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

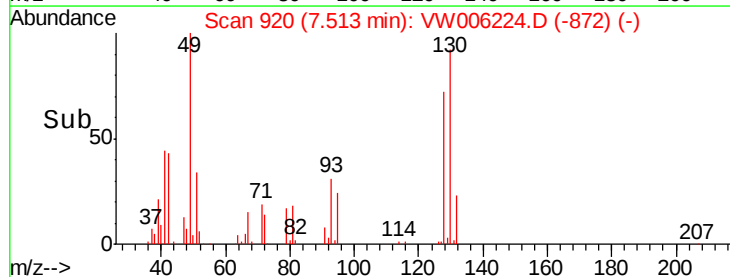
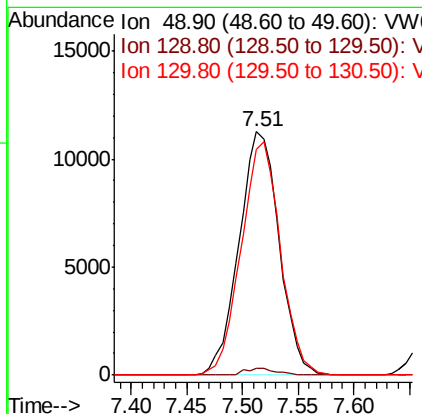
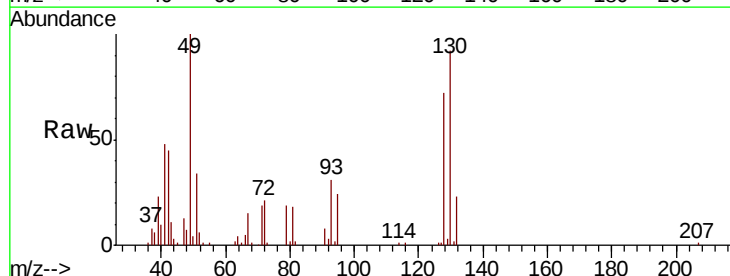
Tot Ion	96	Resp	57800
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	267.2
98	65.9	0.0	128.6



#28

Bromochloromethane
 Concen: 17.533 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion	49	Resp	28257
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.0
130	93.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 92.294 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

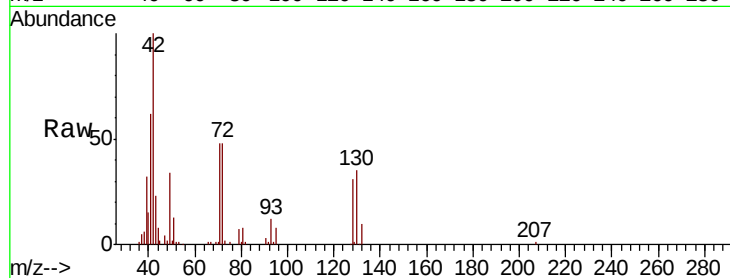
Tot Ion: 42 Resp: 34820

Ion Ratio Lower Upper

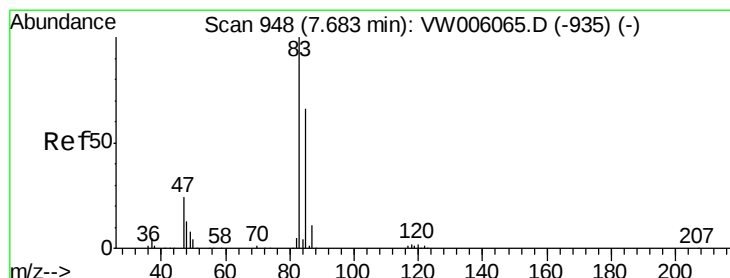
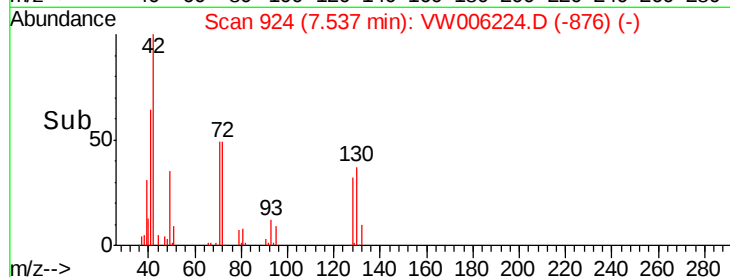
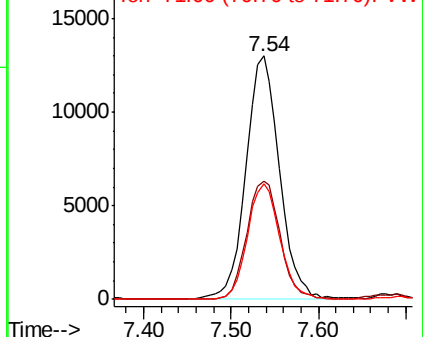
42 100

72 48.1 38.0 57.0

71 45.6 35.3 52.9



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



#30

Chloroform

Concen: 20.906 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006224.D

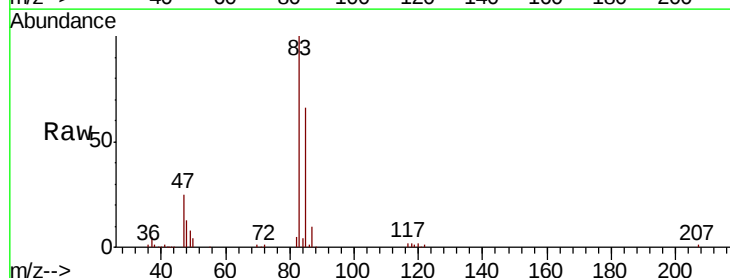
Acq: 19 Oct 2018 14:54

Tgt Ion: 83 Resp: 95090

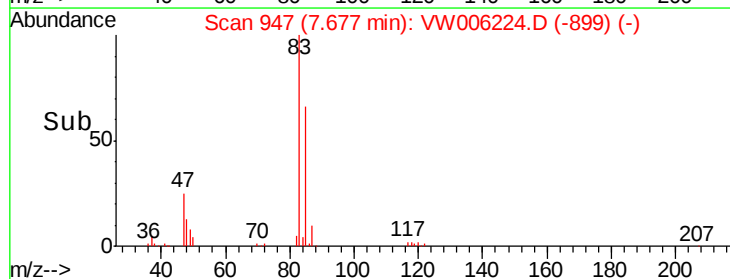
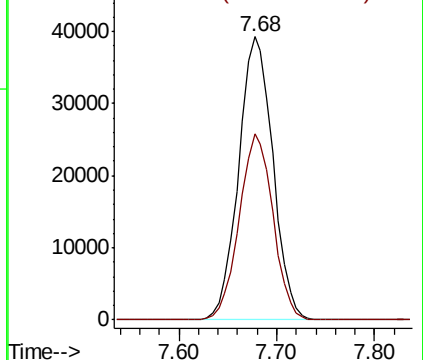
Ion Ratio Lower Upper

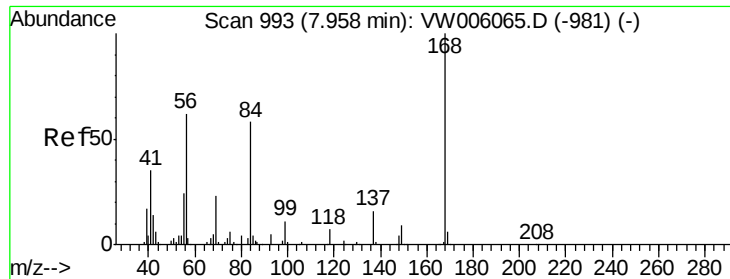
83 100

85 65.8 52.6 79.0



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

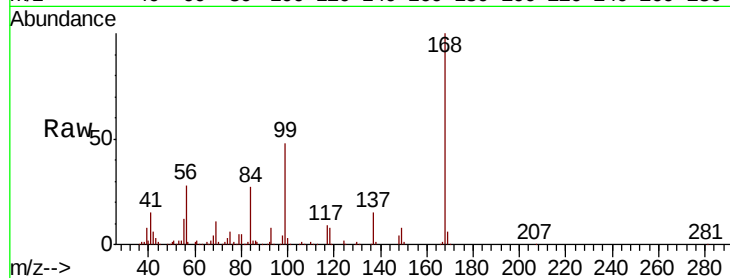




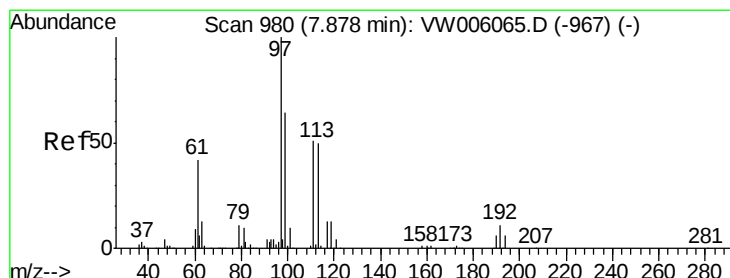
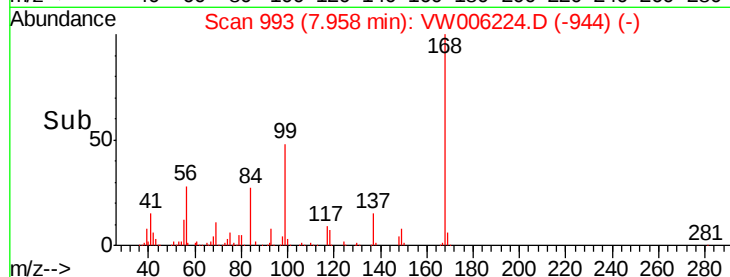
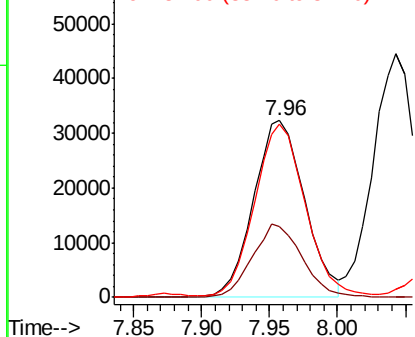
#31
Cyclohexane
Concen: 20.419 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

Tot Ion: 56 Resp: 84889
Ion Ratio Lower Upper
56 100
69 39.7 29.4 44.0
84 96.5 74.0 111.0

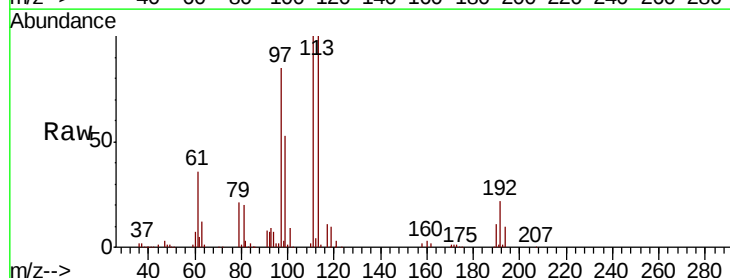


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

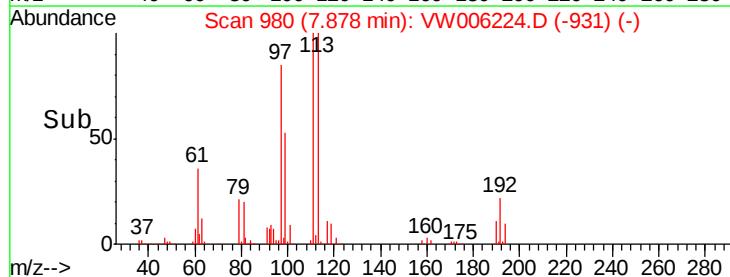
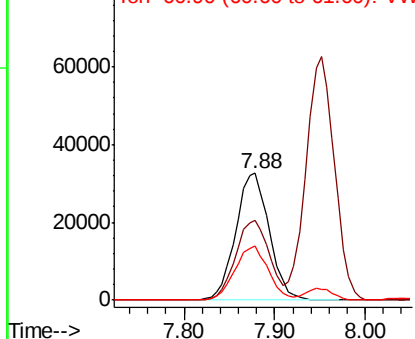


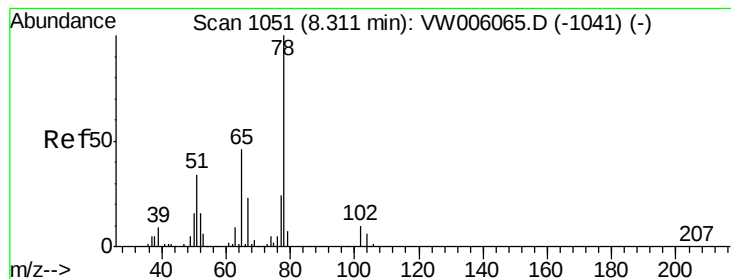
#32
1,1,1-Trichloroethane
Concen: 20.331 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion: 97 Resp: 83417
Ion Ratio Lower Upper
97 100
99 63.2 50.9 76.3
61 42.6 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: 45.568 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

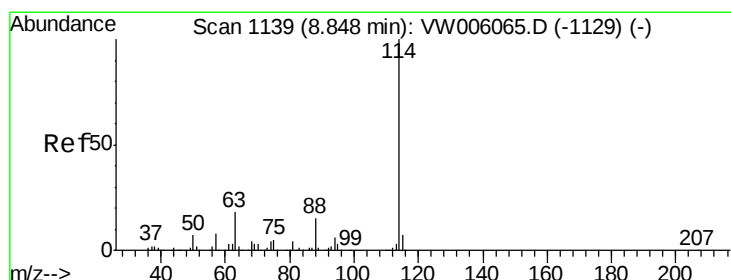
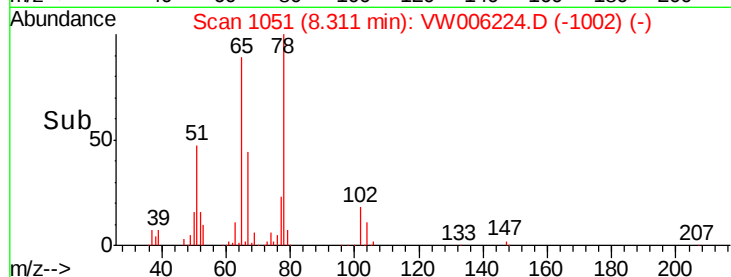
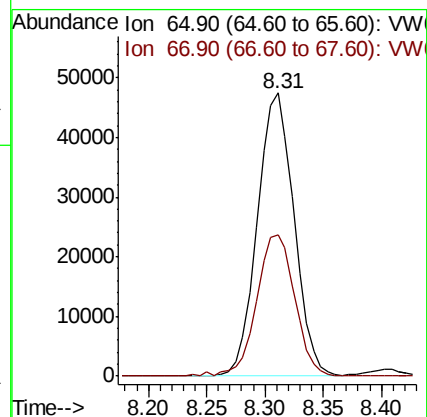
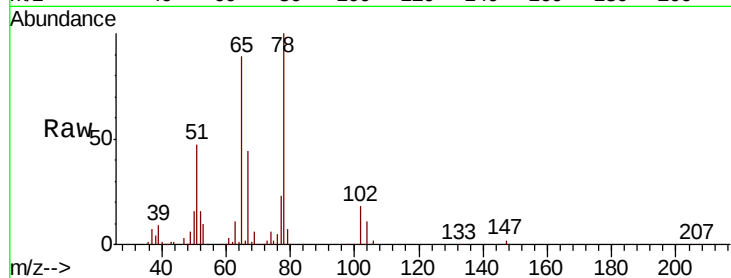
VW1019SBS01

Tot Ion: 65 Resp: 103529

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

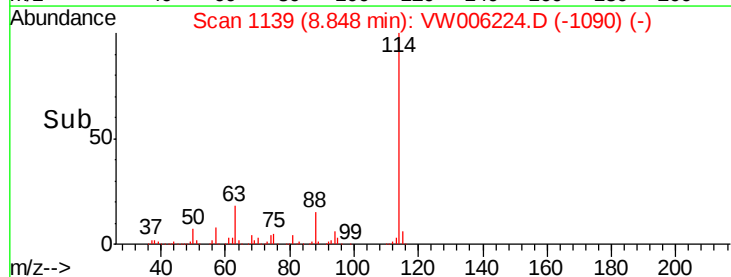
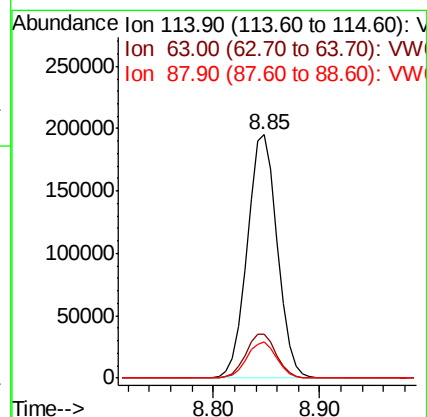
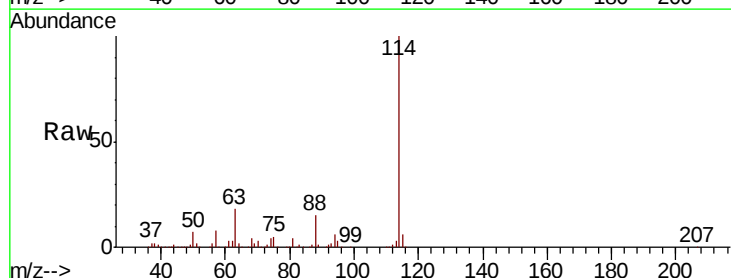
Tgt Ion: 114 Resp: 386098

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.100 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

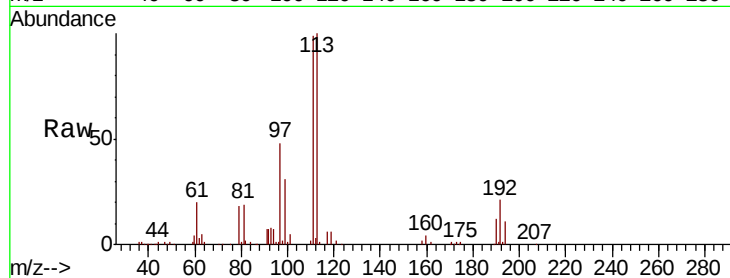
Tot Ion:113 Resp: 107455

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

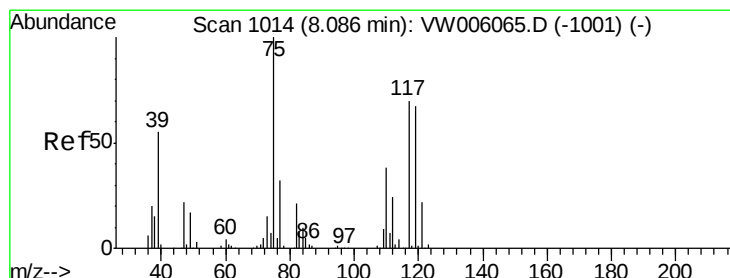
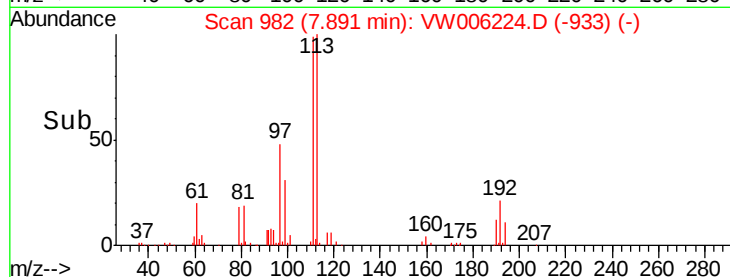
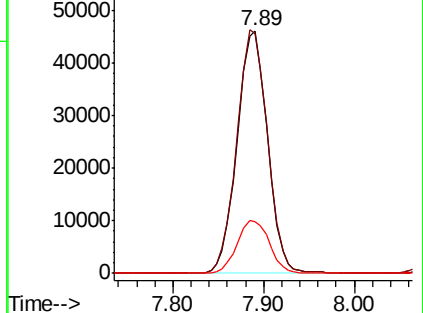
192 23.2 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.586 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

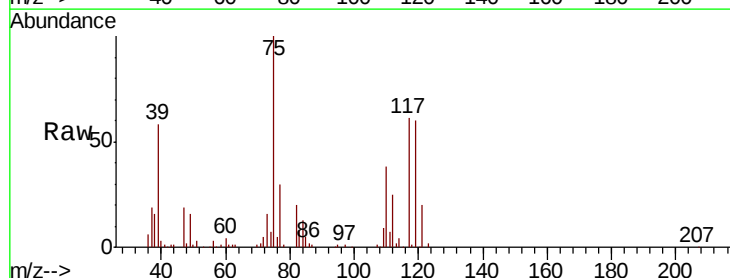
Tgt Ion: 75 Resp: 76819

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.1

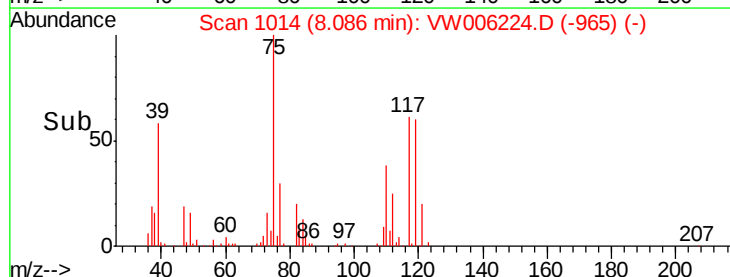
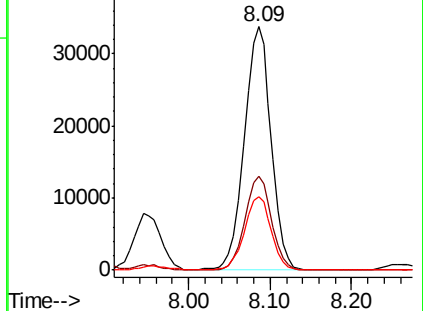
77 30.3 25.0 37.4

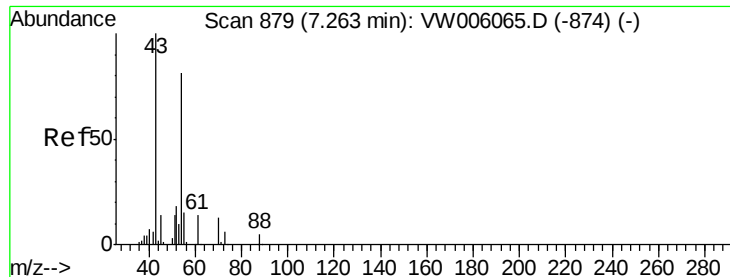


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

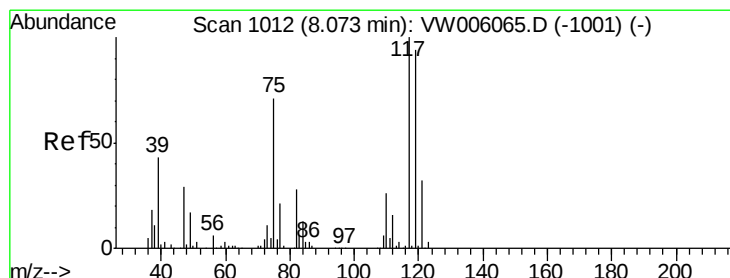
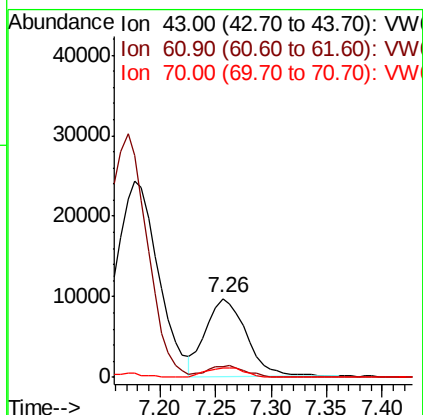
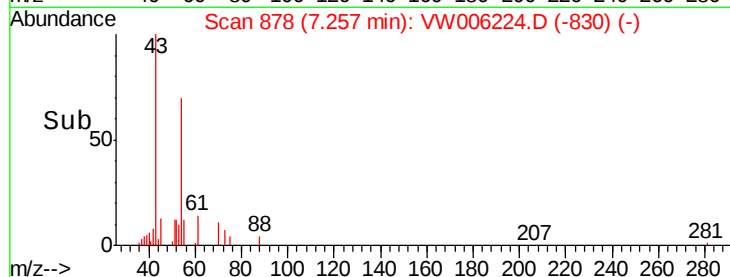
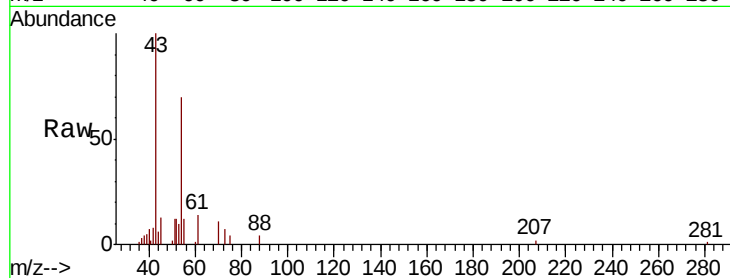




#37
Ethyl Acetate
Concen: 18.517 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

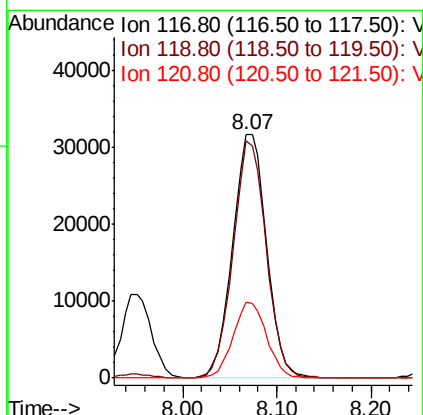
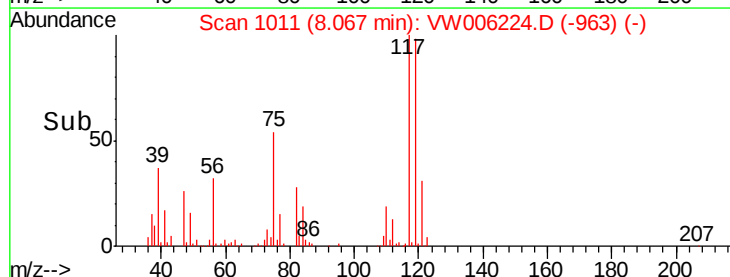
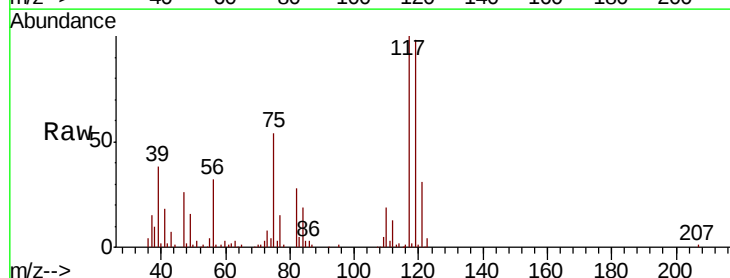
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

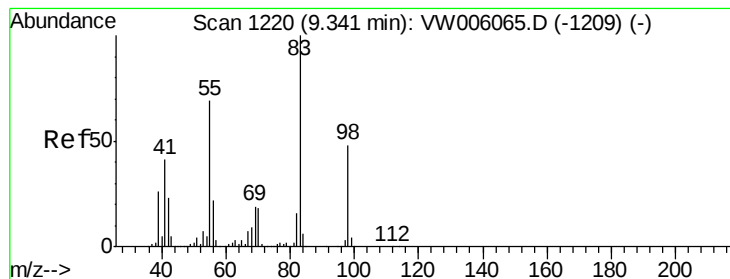
Tot Ion: 43 Resp: 24484
Ion Ratio Lower Upper
43 100
61 13.6 11.5 17.3
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.268 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion: 117 Resp: 79070
Ion Ratio Lower Upper
117 100
119 97.7 75.2 112.8
121 31.1 25.3 37.9





#39

Methvlcvclohexane

Concen: 21.019 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

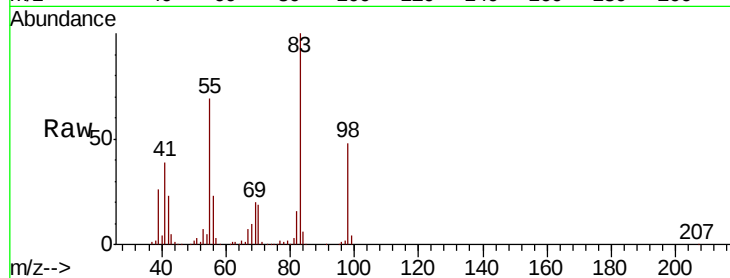
Tot Ion: 83 Resp: 99429

Ion Ratio Lower Upper

83 100

55 69.4 55.0 82.6

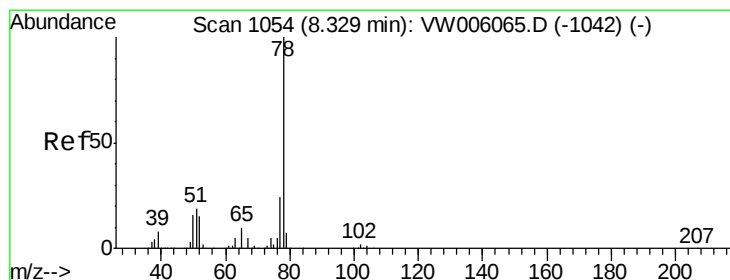
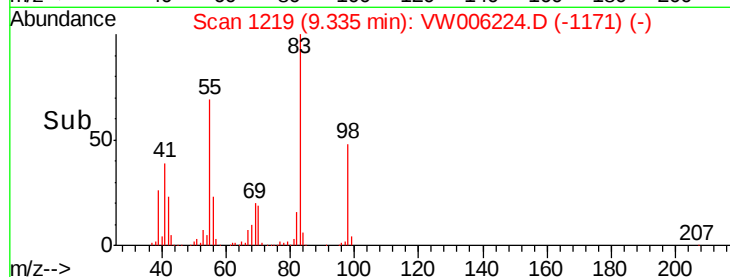
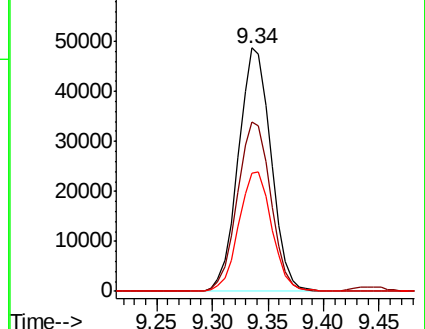
98 48.5 38.6 57.8



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: 21.500 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006224.D

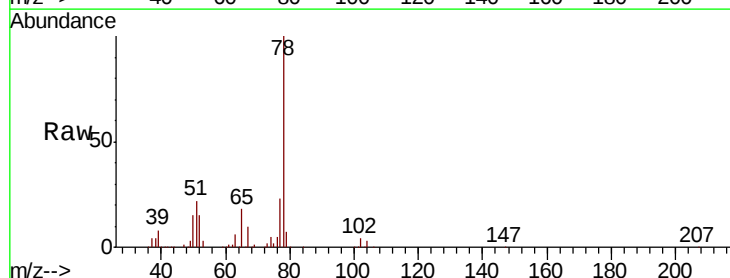
Acq: 19 Oct 2018 14:54

Tgt Ion: 78 Resp: 209878

Ion Ratio Lower Upper

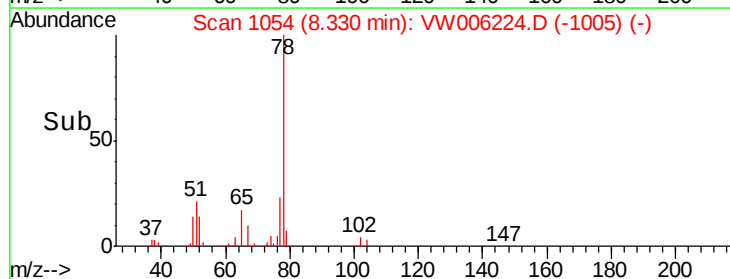
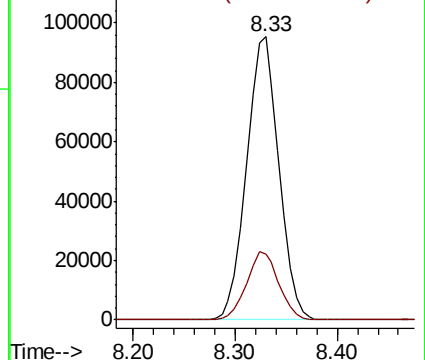
78 100

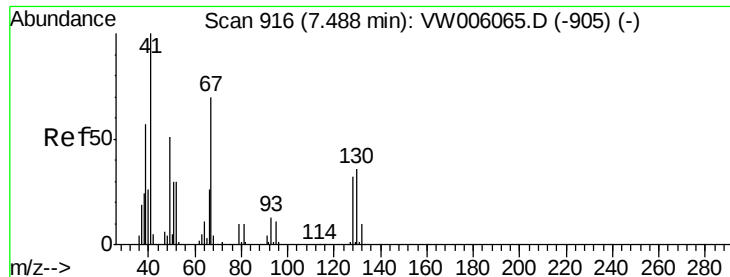
77 23.3 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

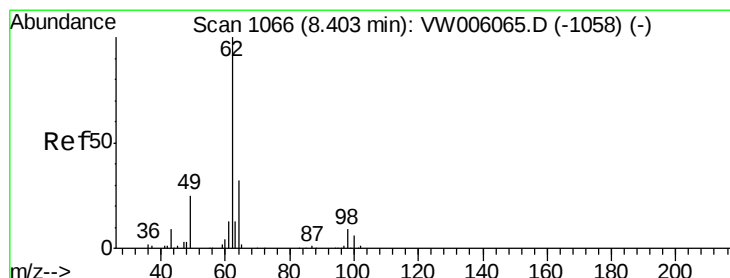
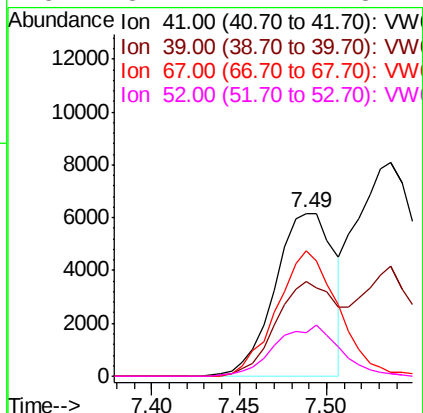
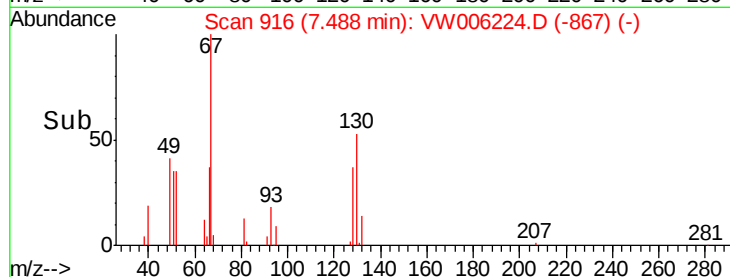
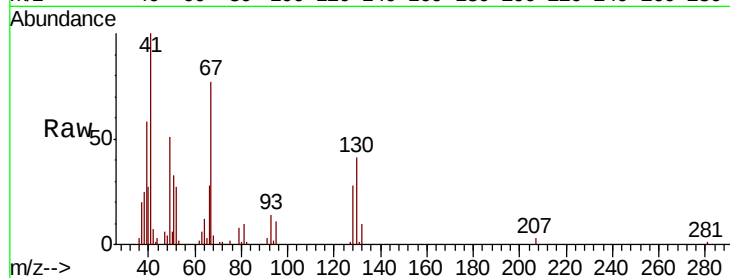




#41
Methacrylonitrile
Concen: 18.344 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

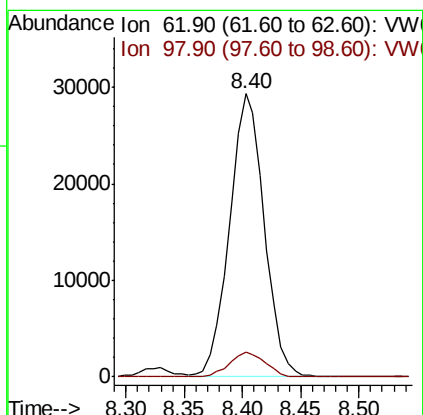
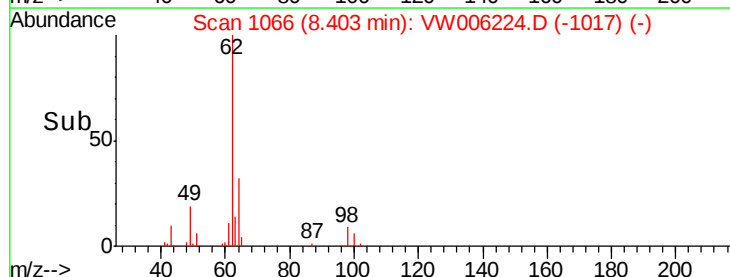
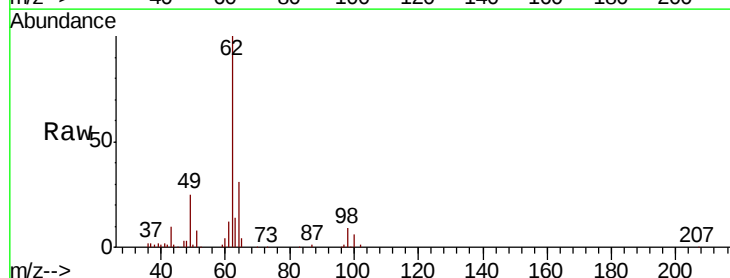
Instrument :
MSVOA_W
ClientSampled :
VW1019SBS01

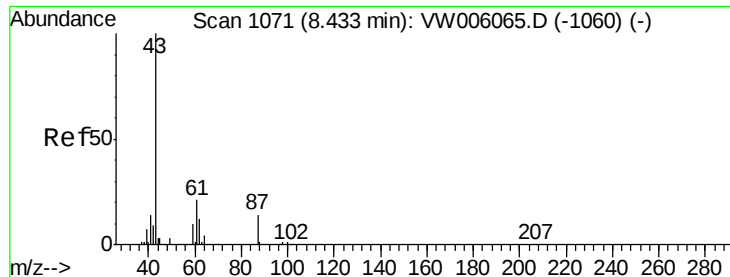
Tot Ion:	41	Resp:	14622
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.2	69.4
67	80.1	57.7	86.5
52	34.4	24.7	37.1



#42
1,2-Dichloroethane
Concen: 21.142 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:	62	Resp:	60637
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 18.526 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

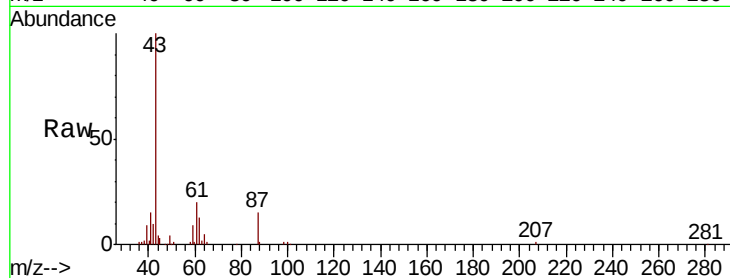
Tot Ion: 43 Resp: 50083

Ion Ratio Lower Upper

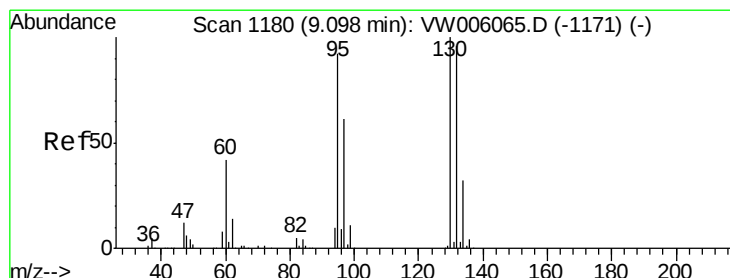
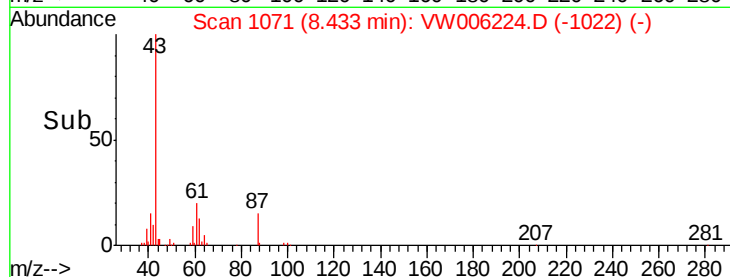
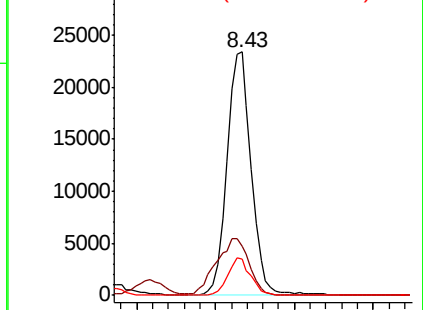
43 100

61 31.6 25.5 38.3

87 14.2 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: 21.065 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006224.D

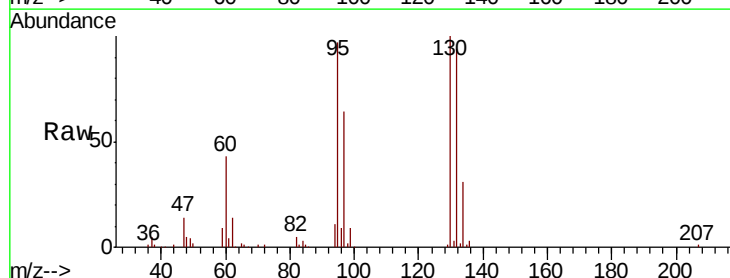
Acq: 19 Oct 2018 14:54

Tgt Ion: 130 Resp: 63088

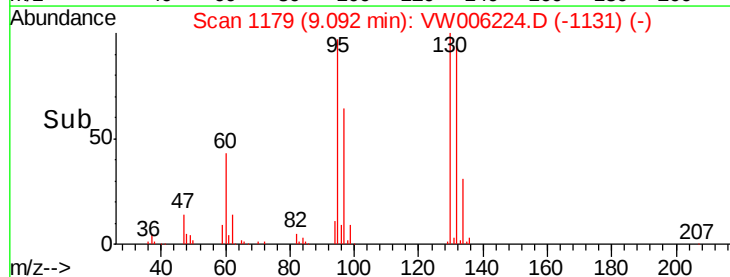
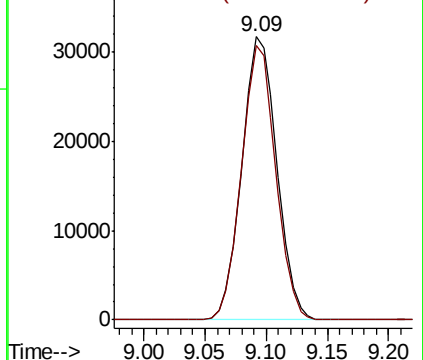
Ion Ratio Lower Upper

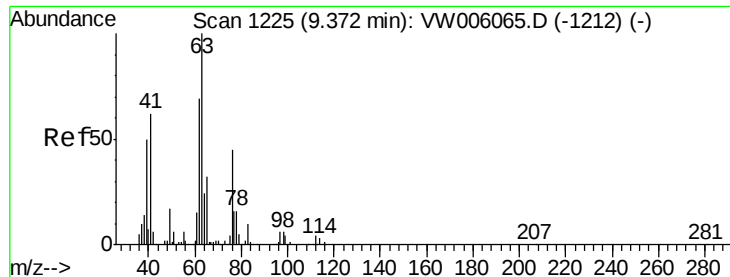
130 100

95 97.0 0.0 183.2



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

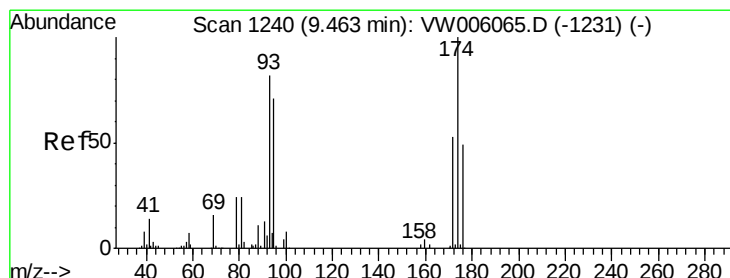
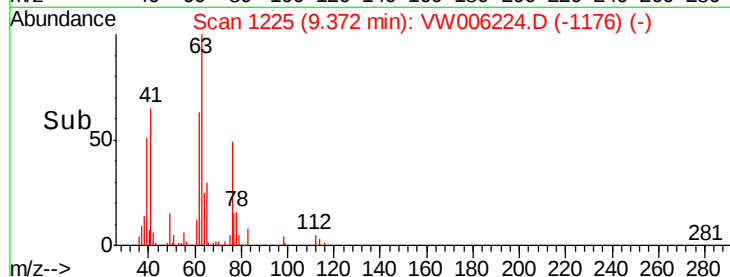
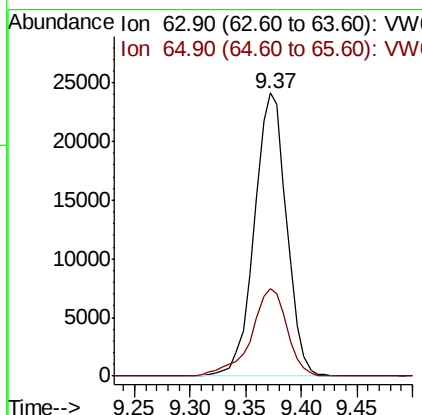
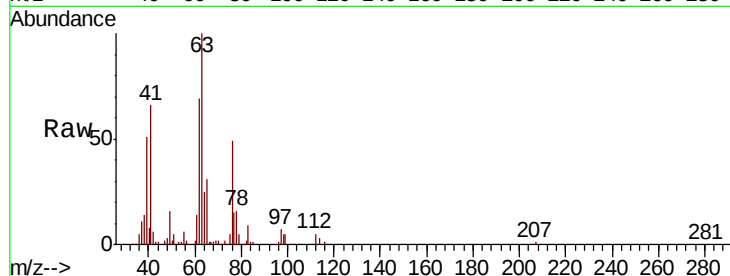




#45
 1,2-Dichloropropane
 Concen: 20.756 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

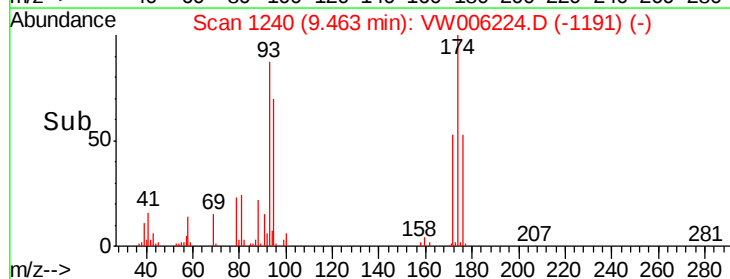
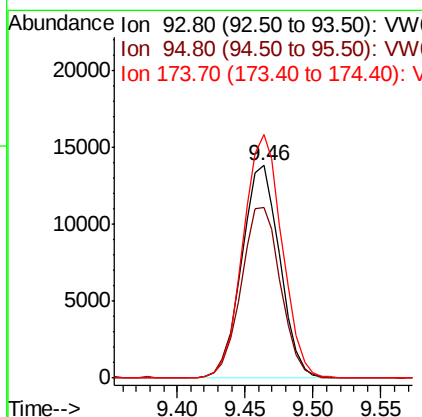
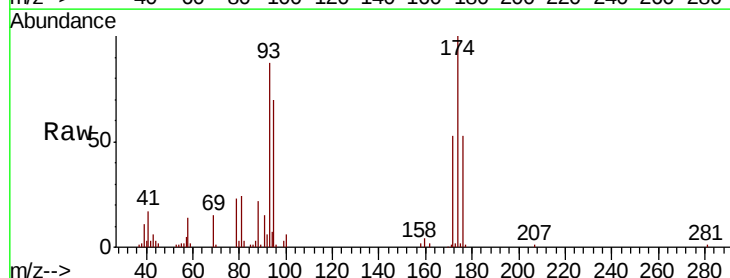
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

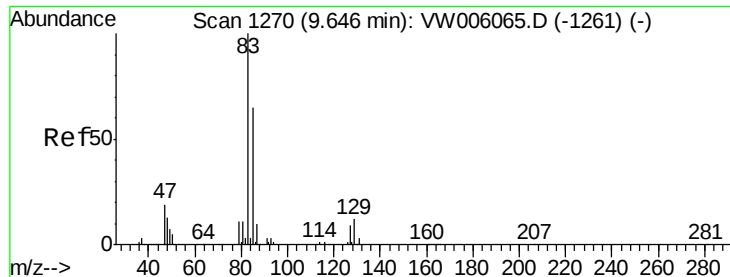
Tot Ion: 63 Resp: 48485
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0



#46
 Dibromomethane
 Concen: 20.462 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion: 93 Resp: 27243
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.7 101.5
 174 116.8 93.7 140.5





#47

Bromodichloromethane

Concen: 19.385 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

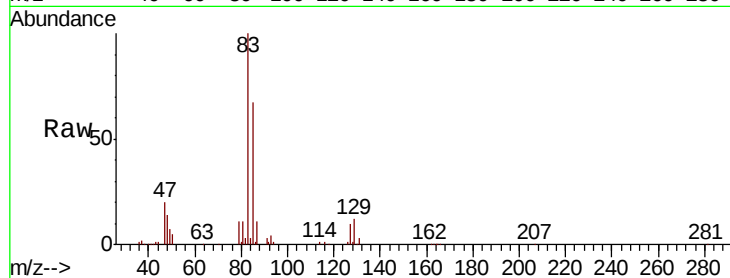
Tot Ion: 83 Resp: 62574

Ion Ratio Lower Upper

83 100

85 67.0 51.8 77.8

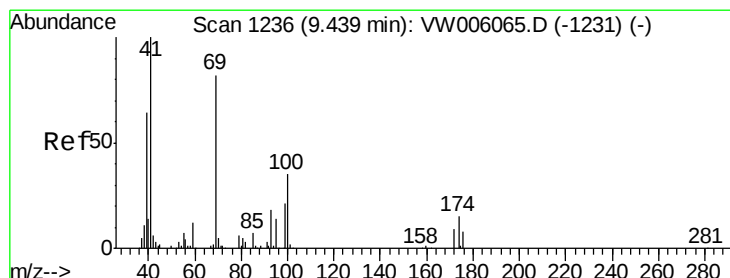
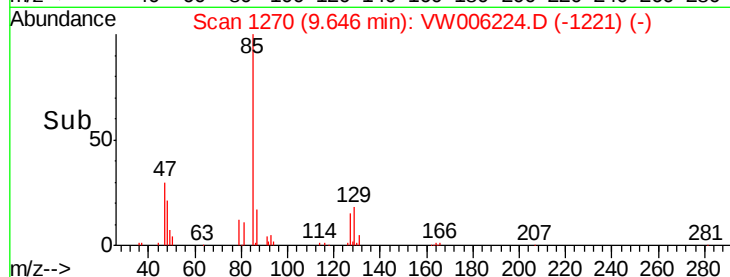
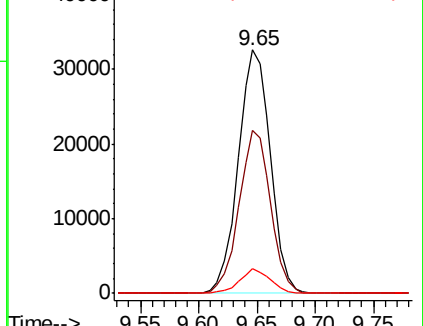
127 10.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.491 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

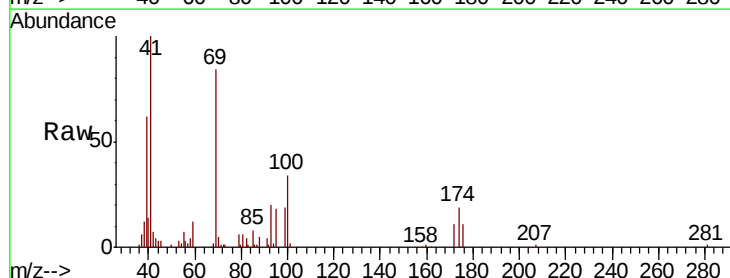
Tgt Ion: 41 Resp: 23696

Ion Ratio Lower Upper

41 100

69 94.8 71.8 107.8

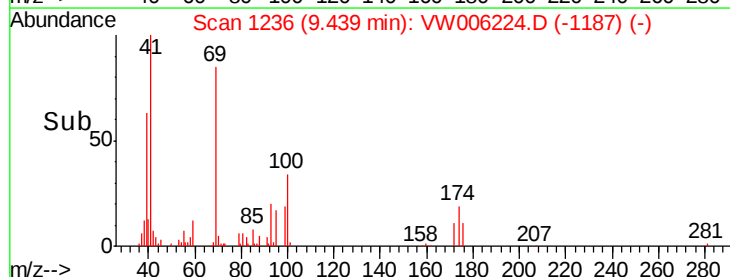
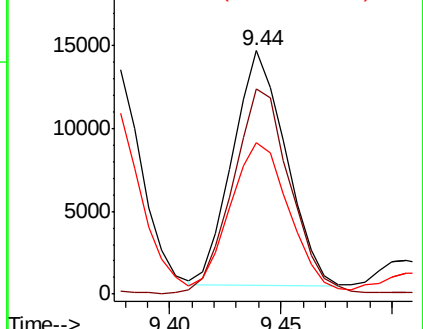
39 67.9 52.5 78.7

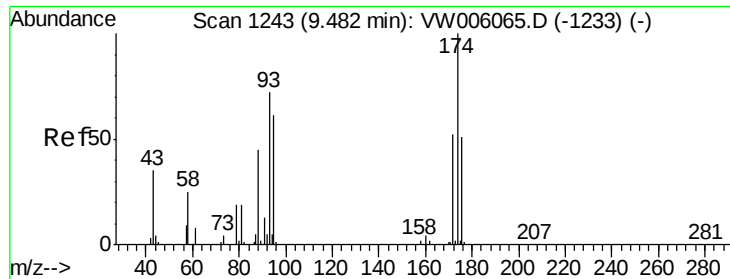


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 379.046 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

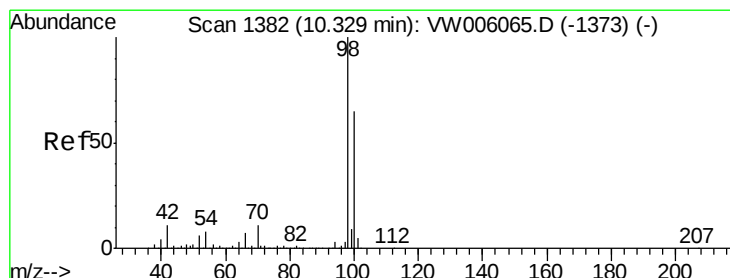
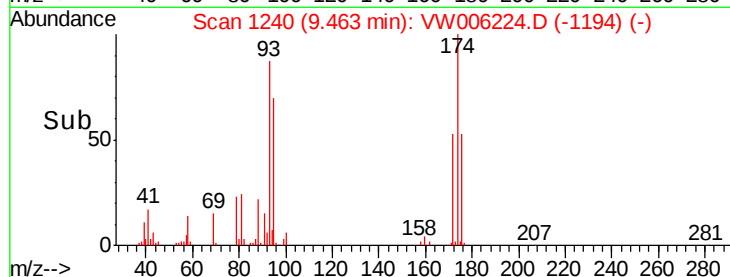
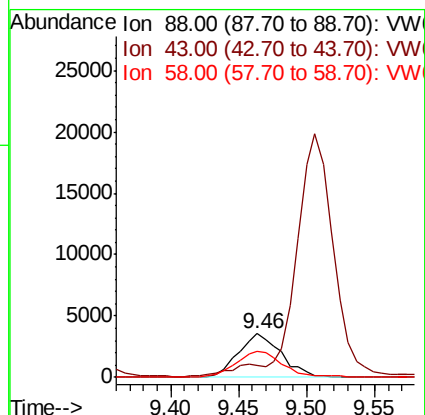
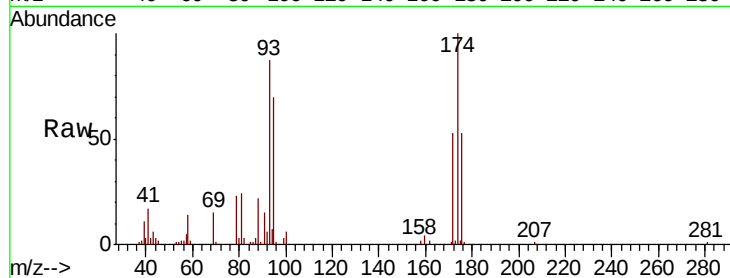
Tot Ion: 88 Resp: 7769

Ion Ratio Lower Upper

88 100

43 27.1 0.0 0.0#

58 66.3 51.2 76.8



#50

Toluene-d8

Concen: 47.385 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006224.D

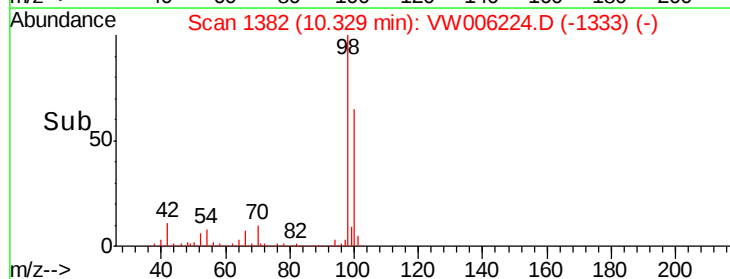
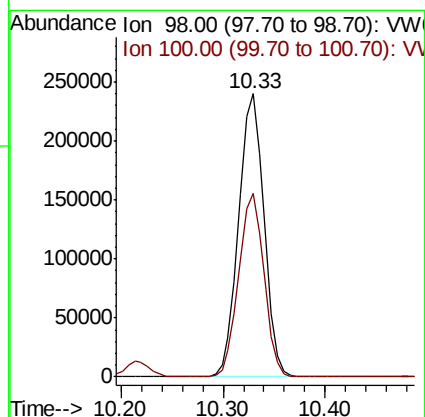
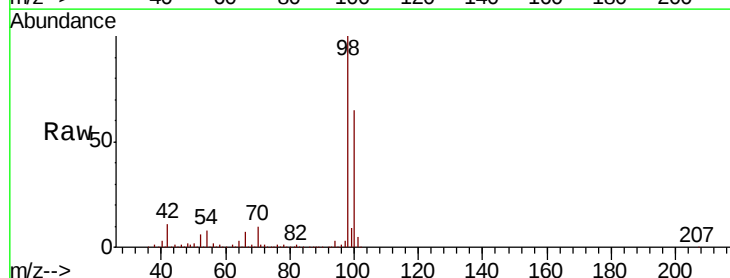
Acq: 19 Oct 2018 14:54

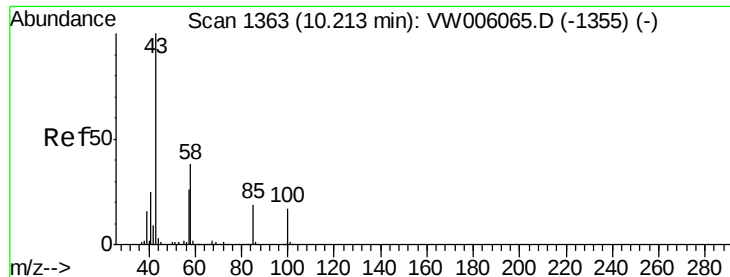
Tgt Ion: 98 Resp: 411293

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 97.173 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

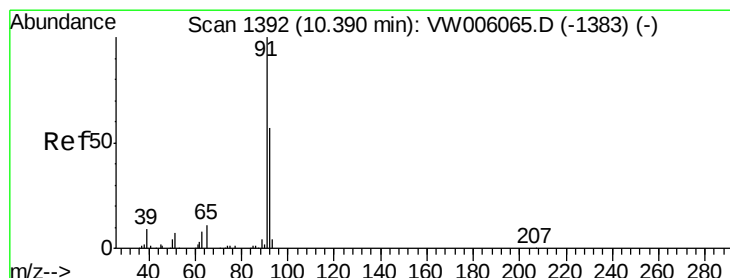
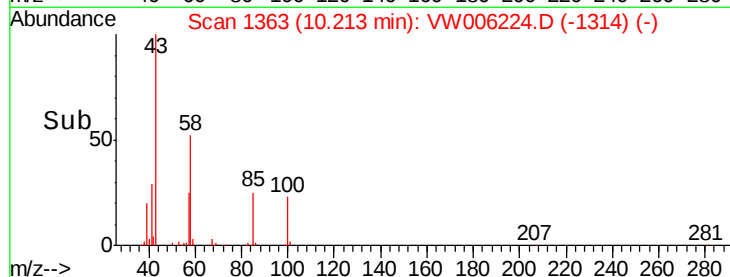
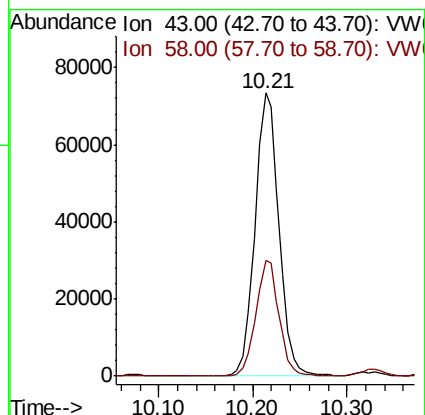
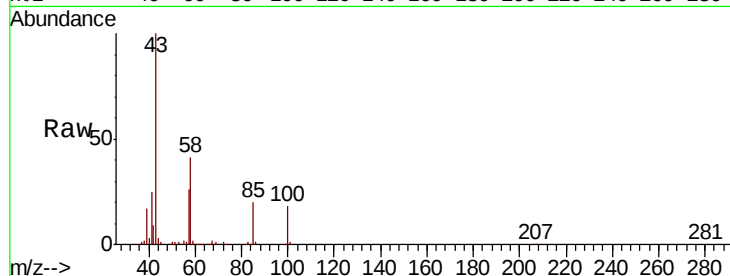
VW1019SBS01

Tot Ion: 43 Resp: 131623

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



#52

Toluene

Concen: 21.241 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006224.D

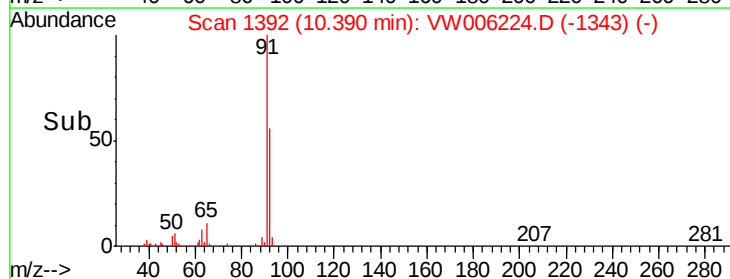
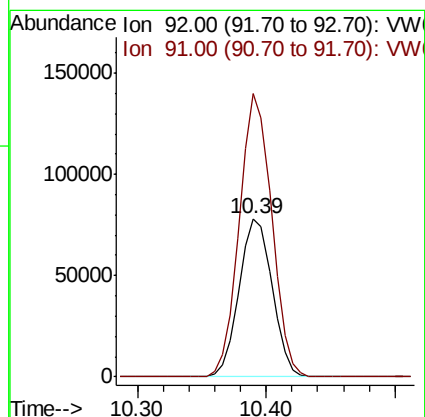
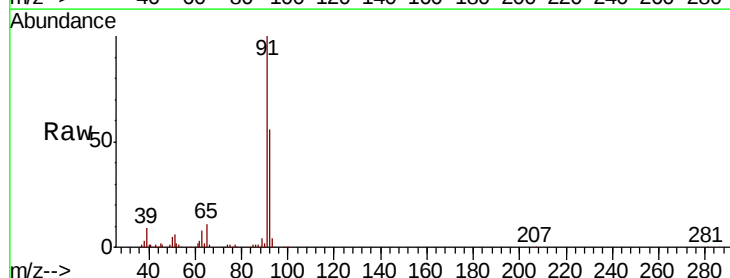
Acq: 19 Oct 2018 14:54

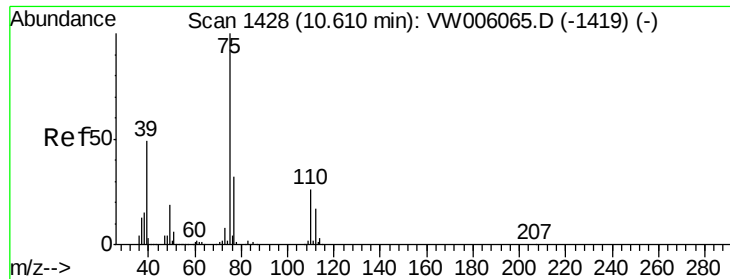
Tgt Ion: 92 Resp: 139013

Ion Ratio Lower Upper

92 100

91 175.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 18.310 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

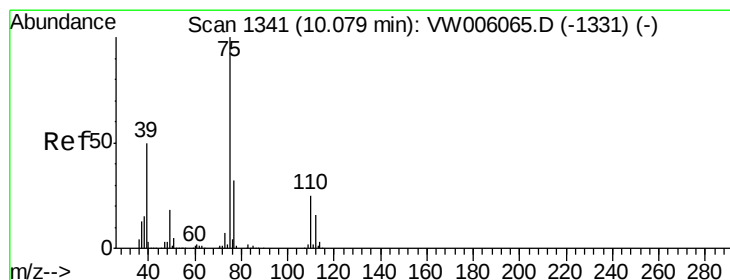
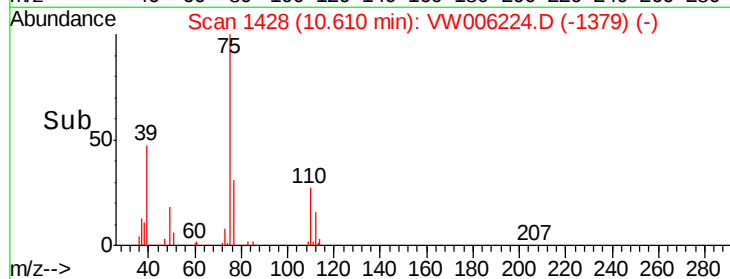
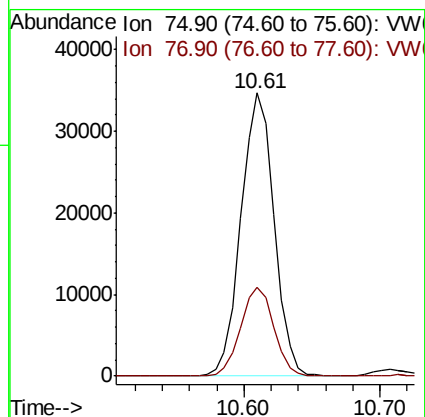
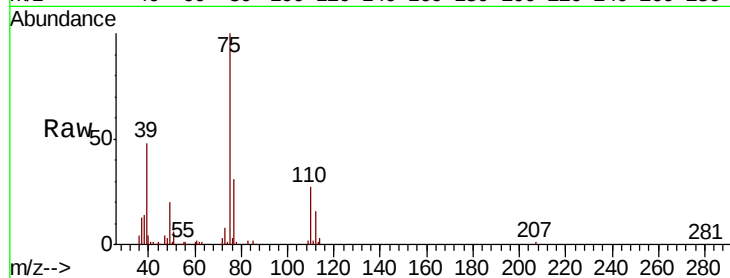
VW1019SBS01

Tot Ion: 75 Resp: 58886

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.451 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

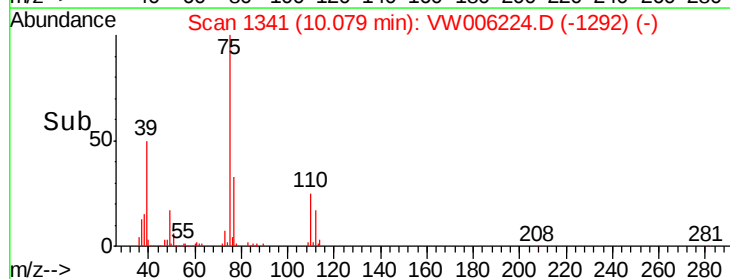
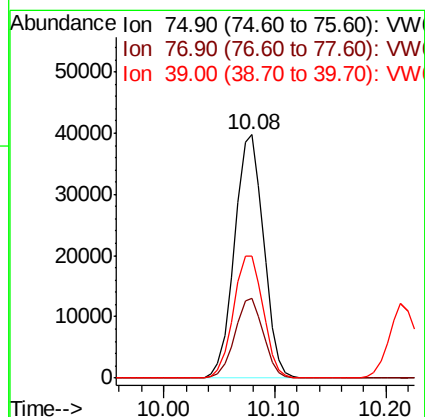
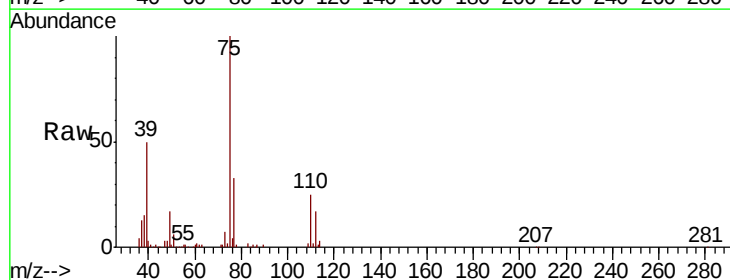
Tgt Ion: 75 Resp: 71792

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 49.9 39.9 59.9

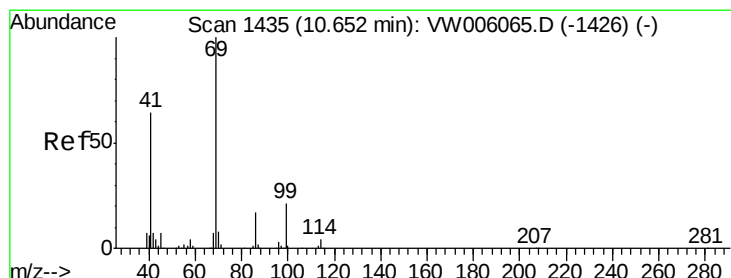
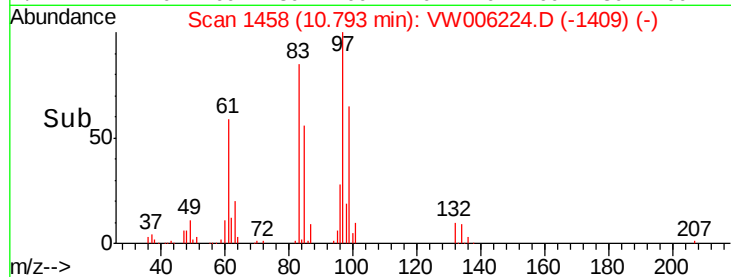
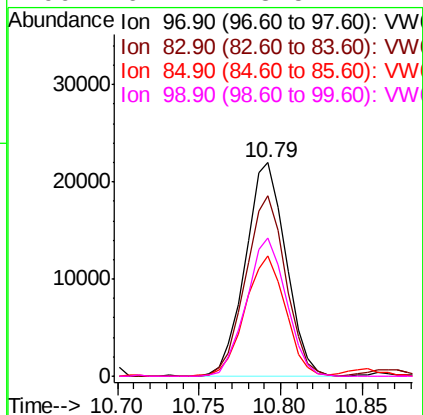
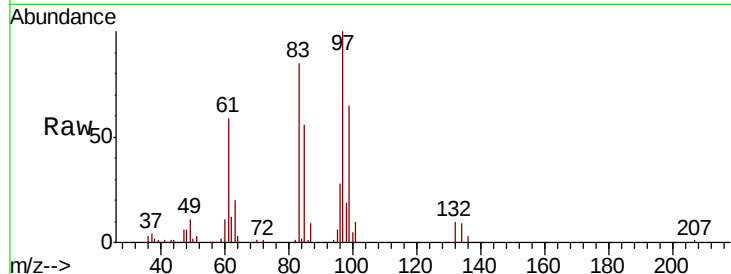




#55
 1,1,2-Trichloroethane
 Concen: 20.408 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

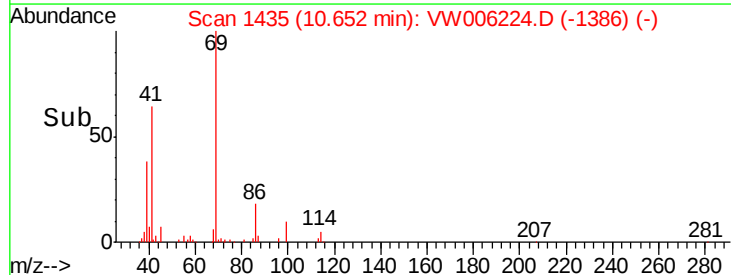
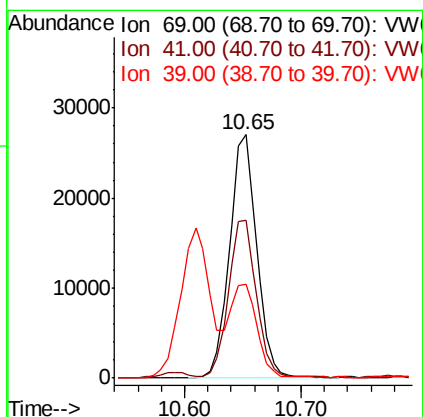
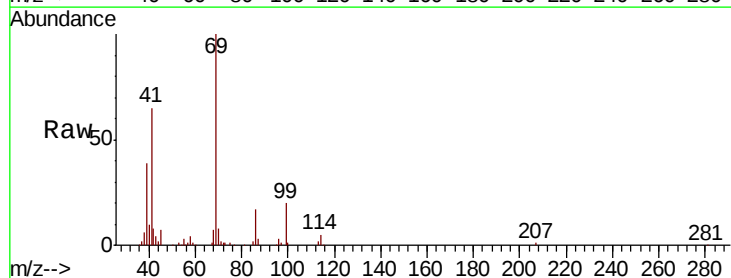
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

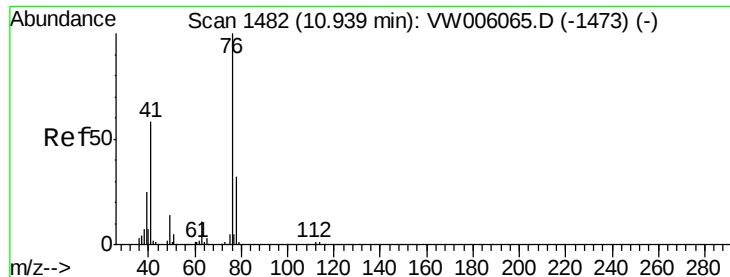
Tot Ion: 97 Resp: 38022
 Ion Ratio Lower Upper
 97 100
 83 84.7 67.2 100.8
 85 56.1 43.7 65.5
 99 64.7 48.5 72.7



#56
 Ethyl methacrylate
 Concen: 19.315 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion: 69 Resp: 44116
 Ion Ratio Lower Upper
 69 100
 41 65.8 52.8 79.2
 39 36.1 30.6 45.8





#57

1,3-Dichloropropane

Concen: 20.807 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

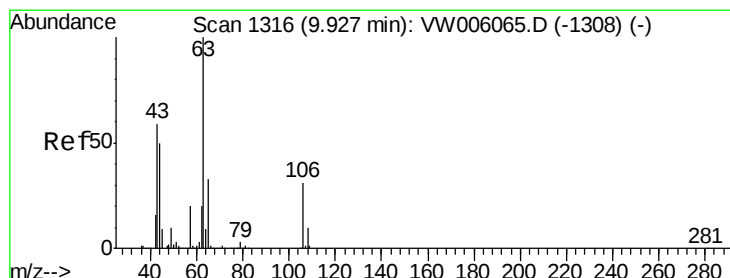
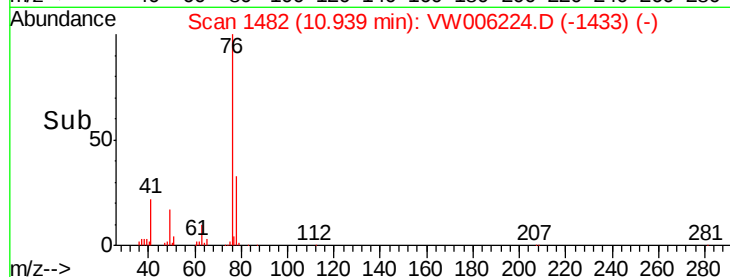
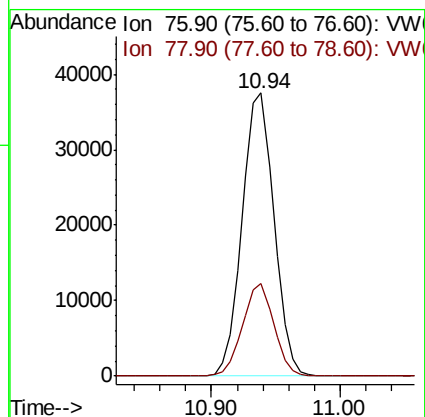
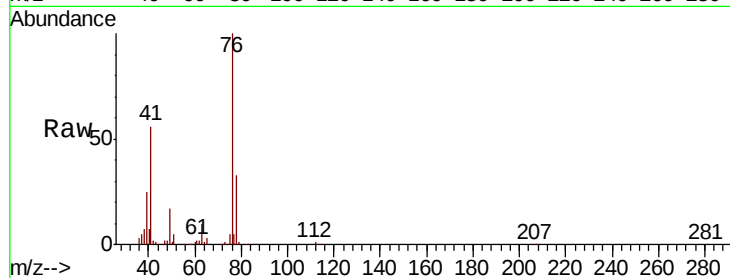
VW1019SBS01

Tot Ion: 76 Resp: 64173

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 100.558 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006224.D

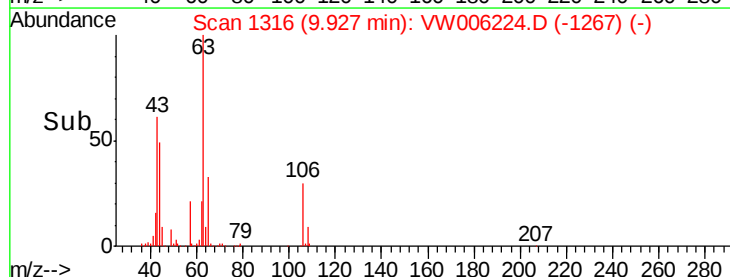
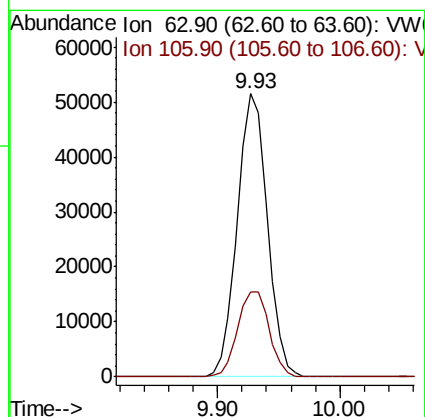
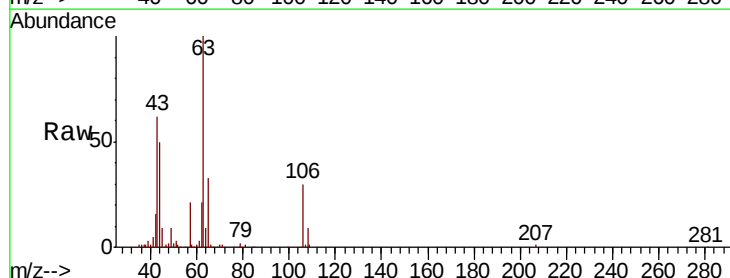
Acq: 19 Oct 2018 14:54

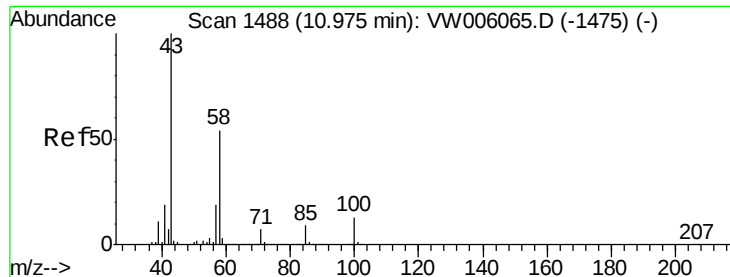
Tgt Ion: 63 Resp: 87763

Ion Ratio Lower Upper

63 100

106 31.6 24.5 36.7

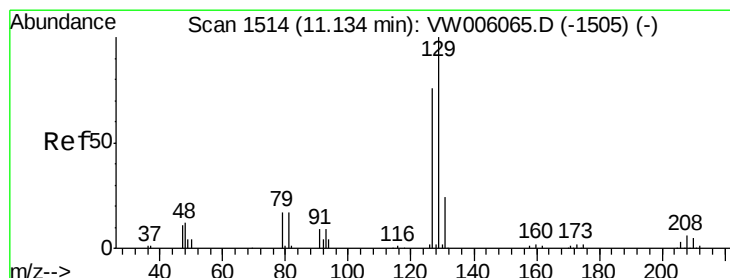
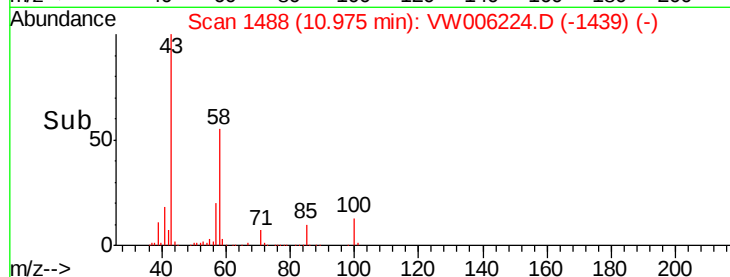
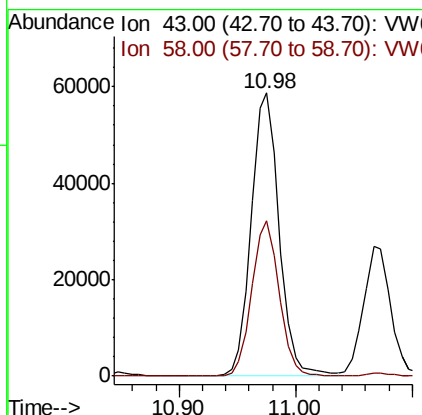
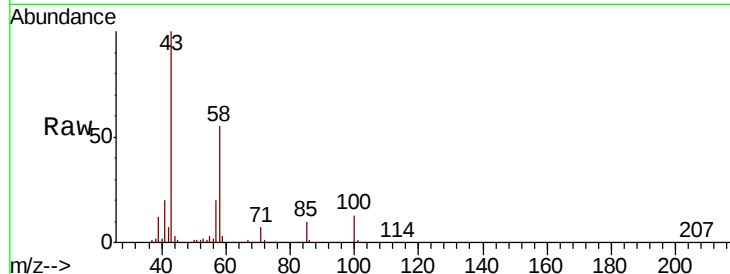




#59
2-Hexanone
Concen: 101.644 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

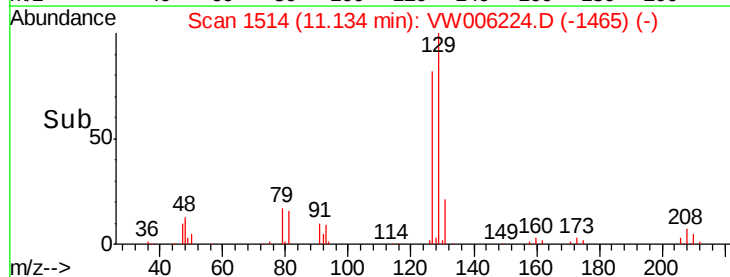
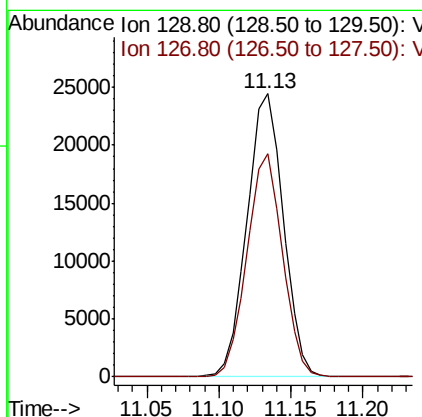
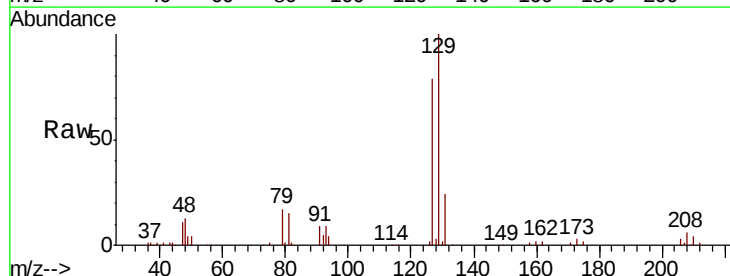
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

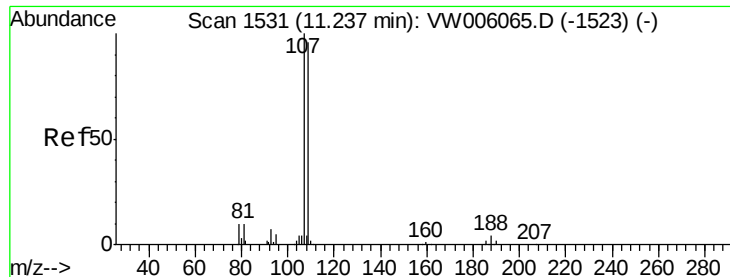
Tot Ion: 43 Resp: 98281
Ion Ratio Lower Upper
43 100
58 53.7 26.9 80.6



#60
Dibromochloromethane
Concen: 18.435 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion: 129 Resp: 42782
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.076 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

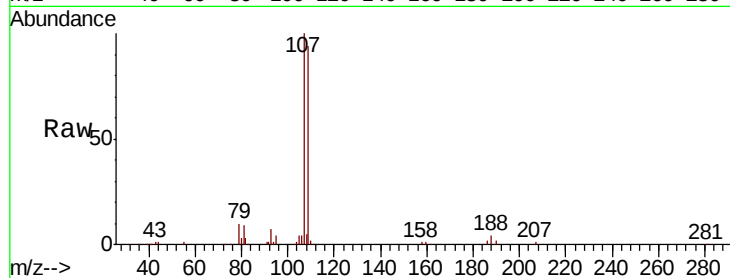
VW1019SBS01

Tot Ion:107 Resp: 37374

Ion Ratio Lower Upper

107 100

109 96.9 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

15000

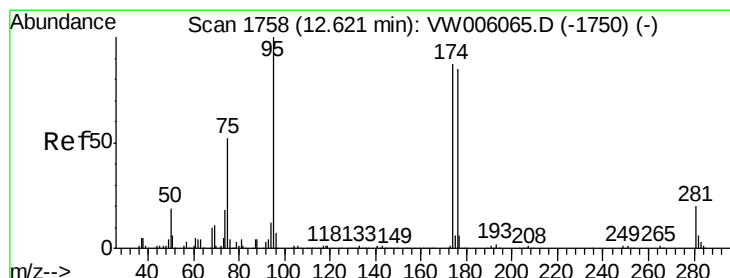
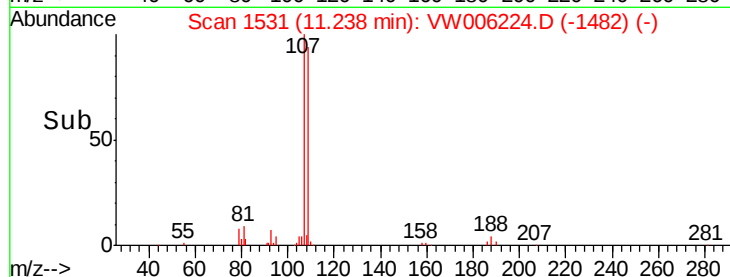
10000

5000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 47.466 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

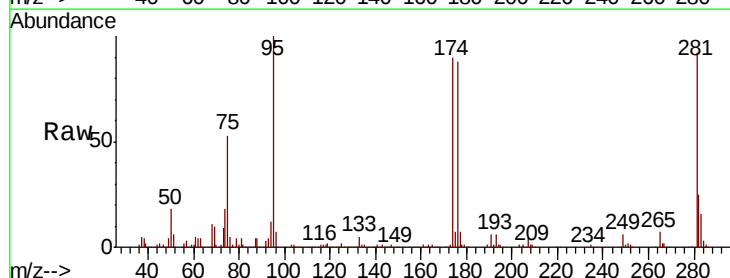
Tgt Ion: 95 Resp: 154738

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.0

176 91.6 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

60000

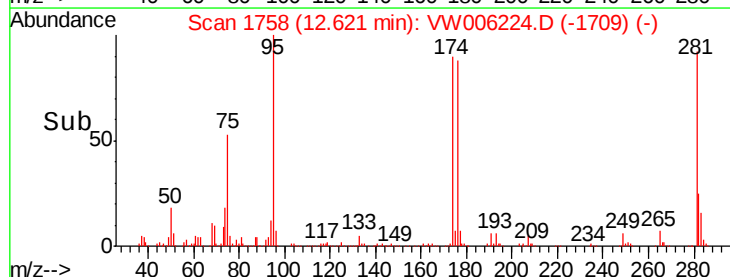
40000

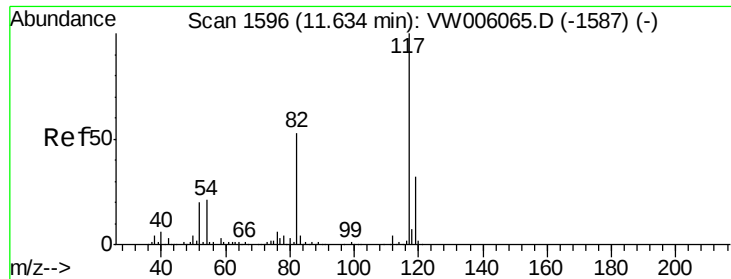
20000

0

Time-->

12.60 12.70

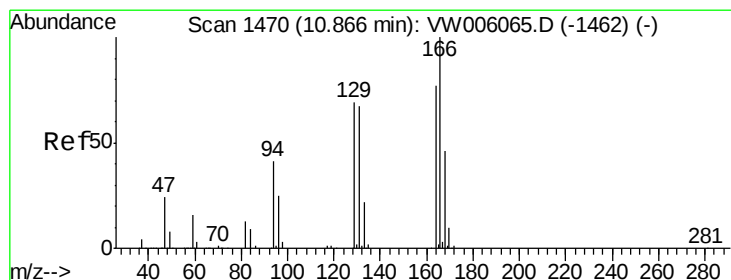
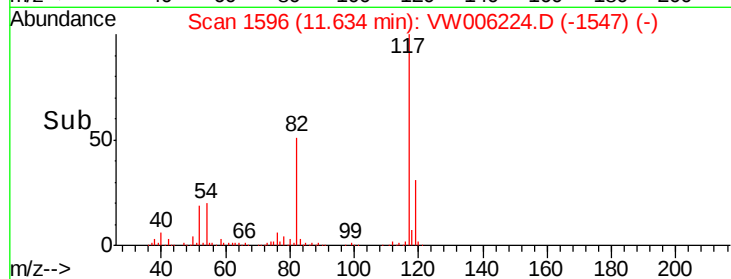
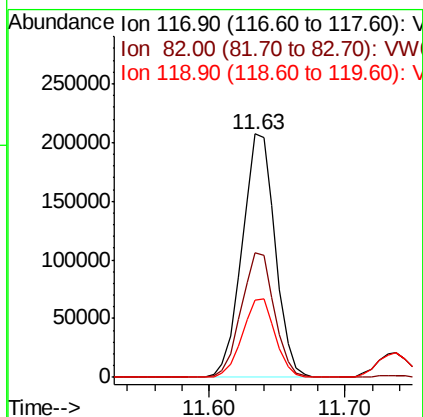
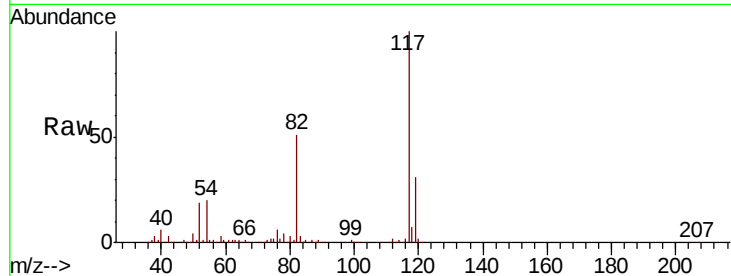




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

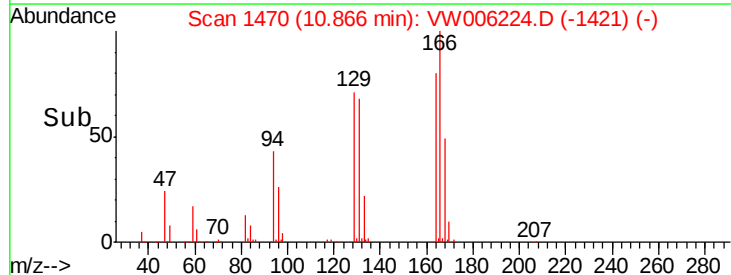
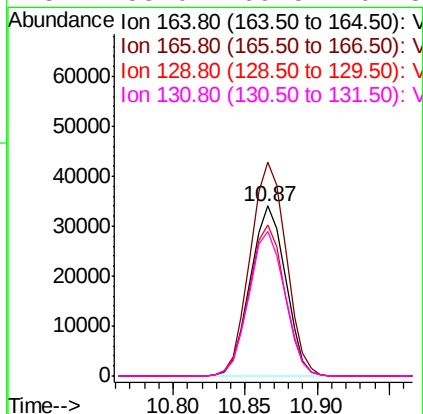
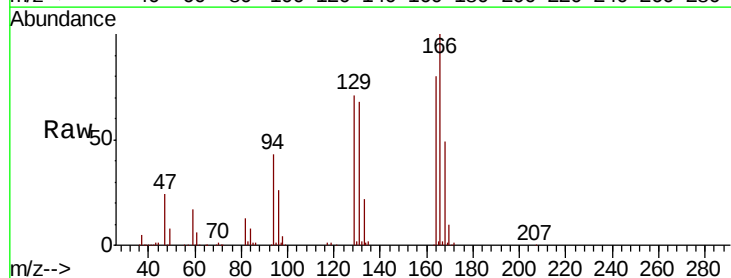
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

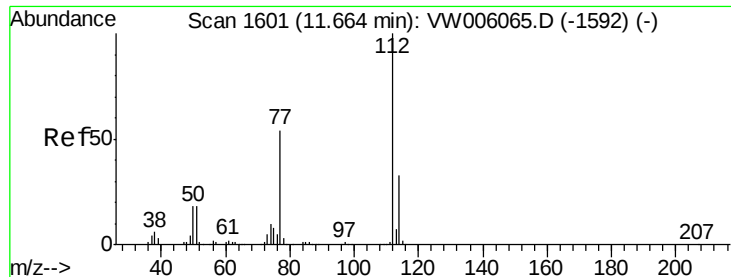
Tot Ion:117 Resp: 350524
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 21.216 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:164 Resp: 57731
Ion Ratio Lower Upper
164 100
166 125.6 103.4 155.0
129 89.1 71.8 107.8
131 85.0 69.5 104.3

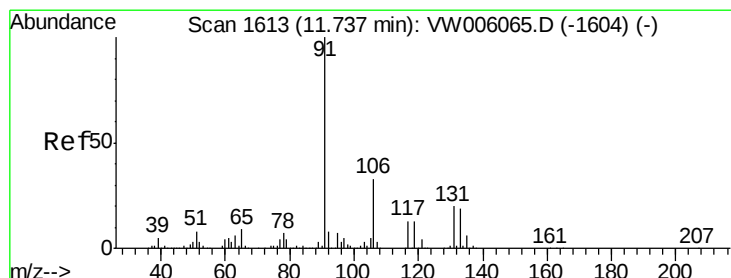
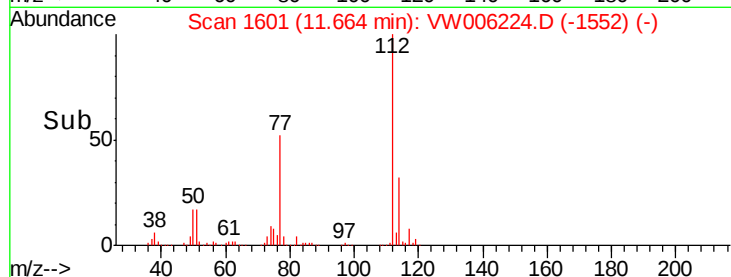
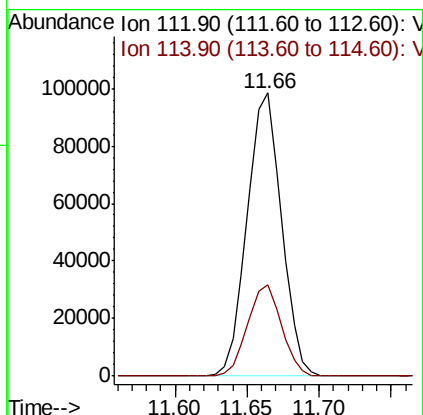
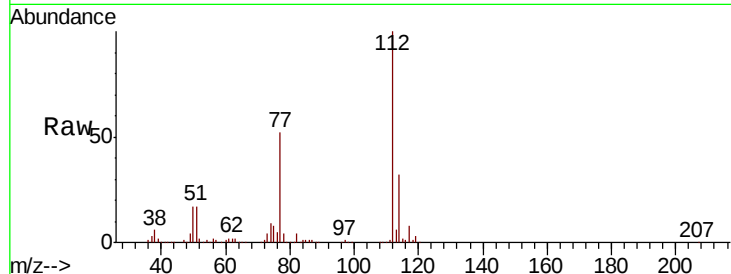




#65
Chlorobenzene
Concen: 21.640 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

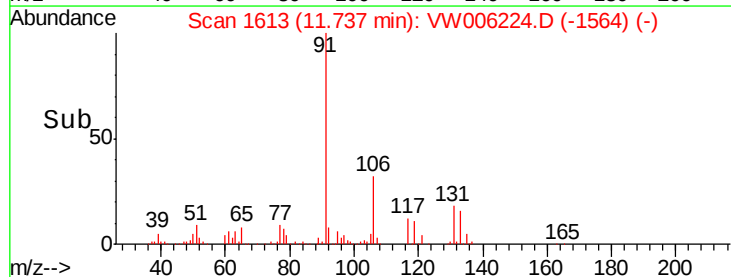
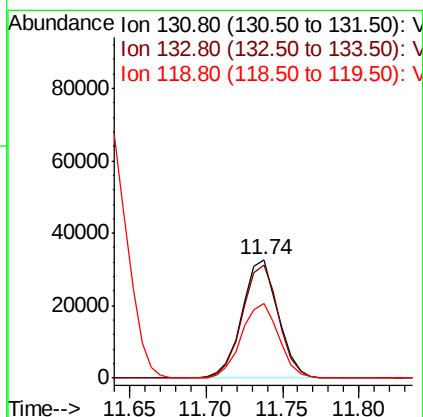
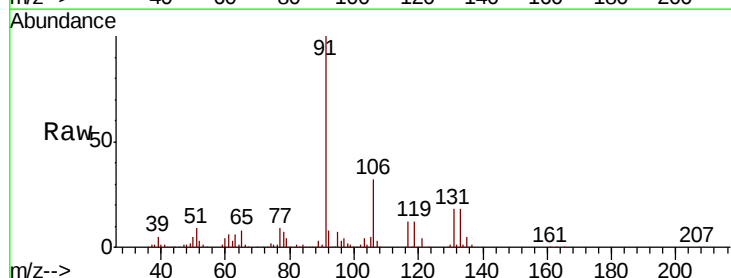
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

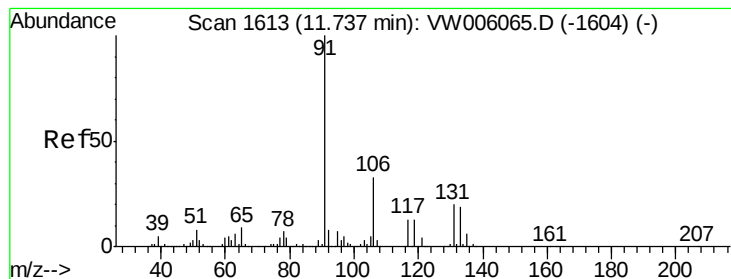
Tot Ion:112 Resp: 162377
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.014 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:131 Resp: 53370
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.3
119 65.2 31.6 94.7





#67

Ethyl Benzene

Concen: 21.736 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

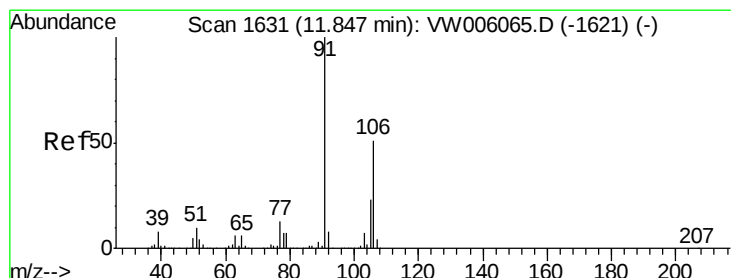
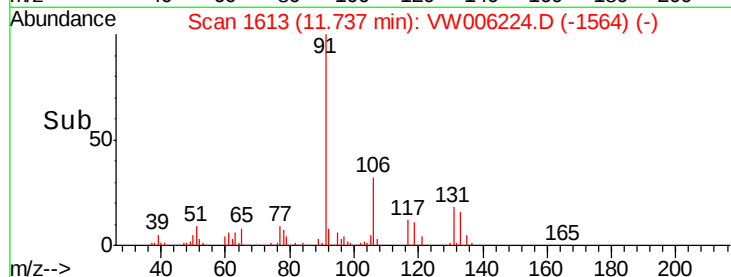
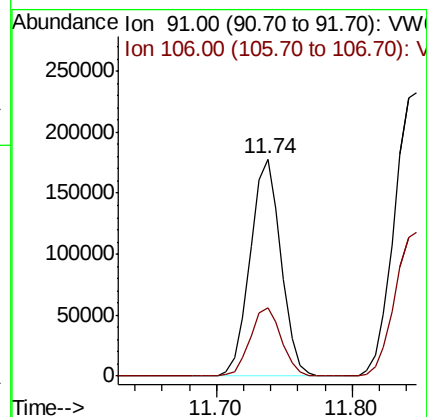
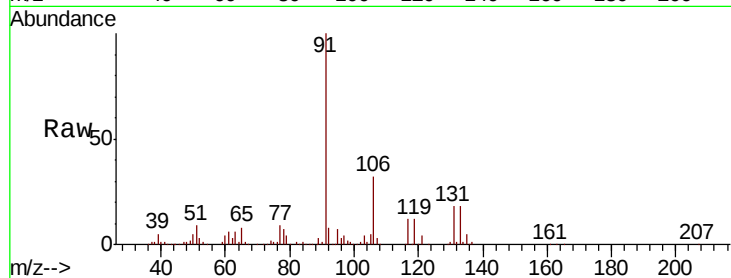
VW1019SBS01

Tot Ion: 91 Resp: 282664

Ion Ratio Lower Upper

91 100

106 31.7 26.1 39.1



#68

m/p-Xylenes

Concen: 43.228 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW006224.D

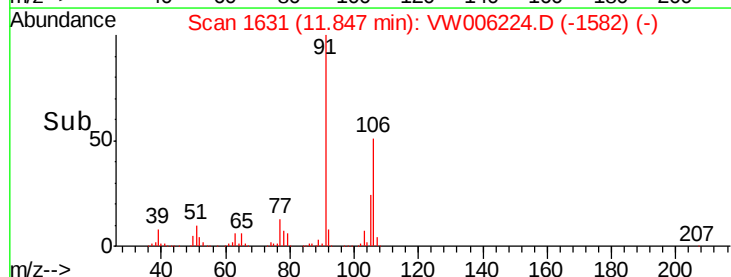
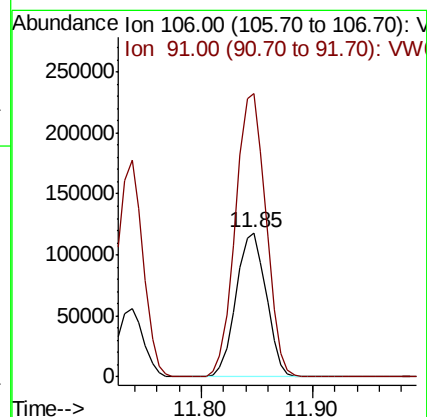
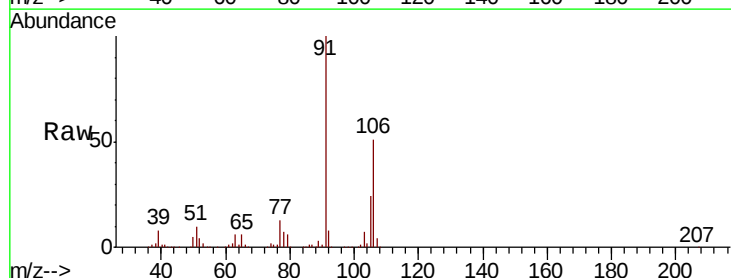
Acq: 19 Oct 2018 14:54

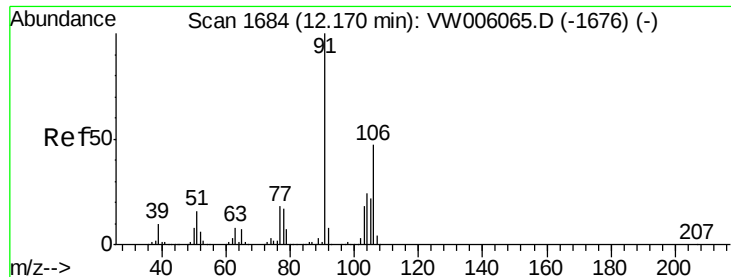
Tgt Ion: 106 Resp: 222187

Ion Ratio Lower Upper

106 100

91 198.4 159.1 238.7

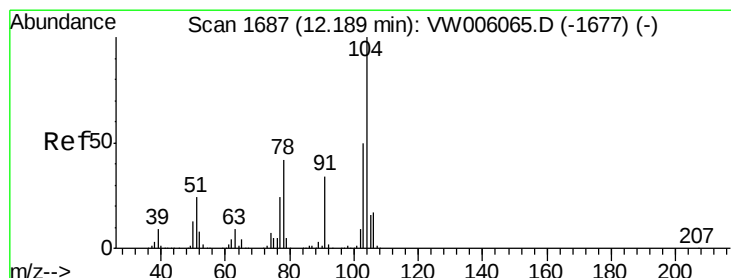
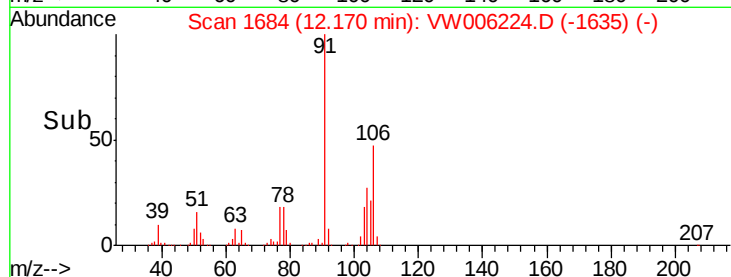
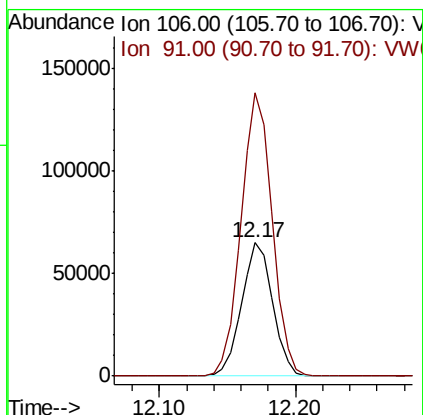
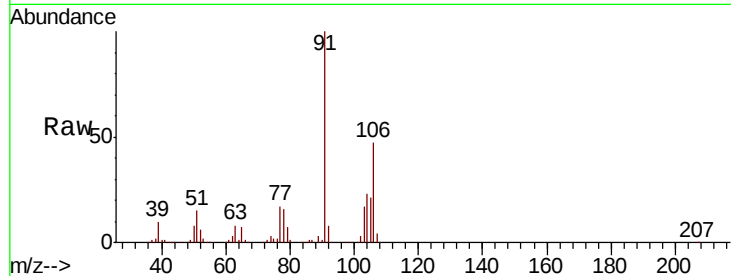




#69
o-Xylene
Concen: 21.092 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

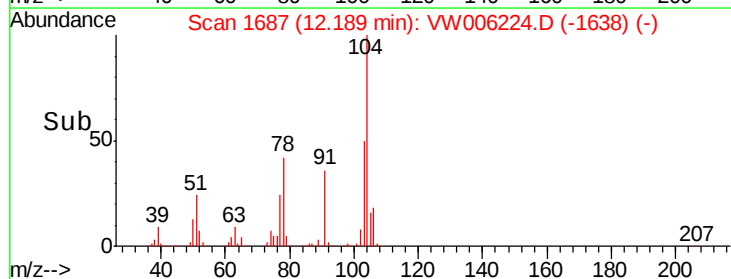
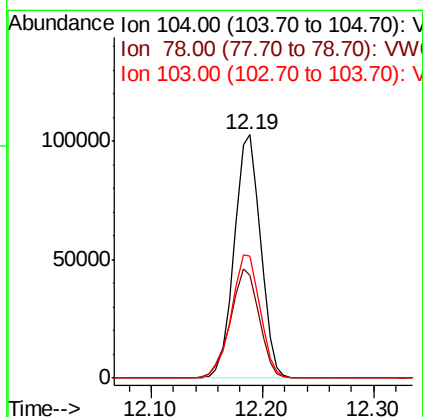
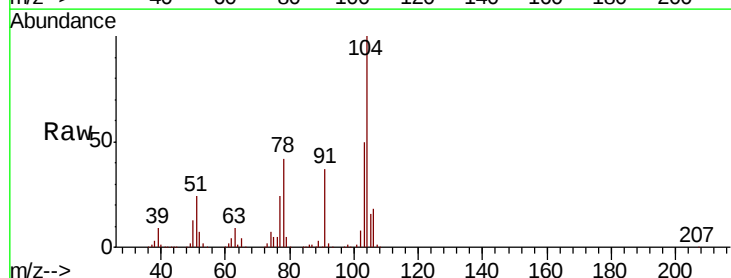
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

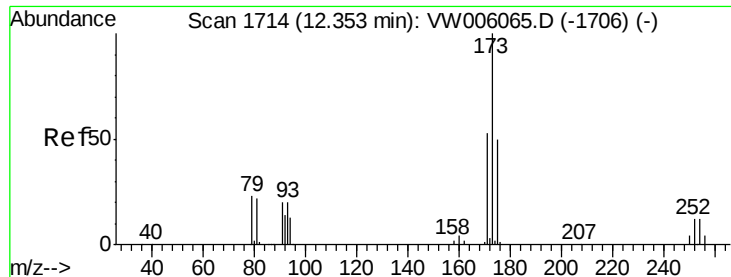
Tot Ion:106 Resp: 103320
Ion Ratio Lower Upper
106 100
91 212.8 105.4 316.1



#70
Styrene
Concen: 21.093 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:104 Resp: 168020
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 16.727 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

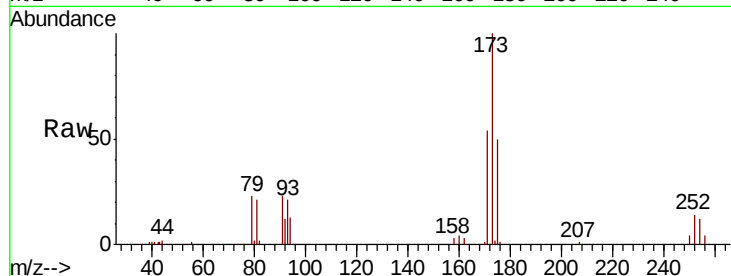
Tot Ion:173 Resp: 24880

Ion Ratio Lower Upper

173 100

175 49.2 24.2 72.6

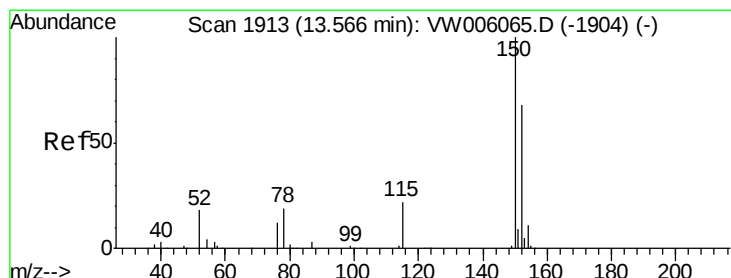
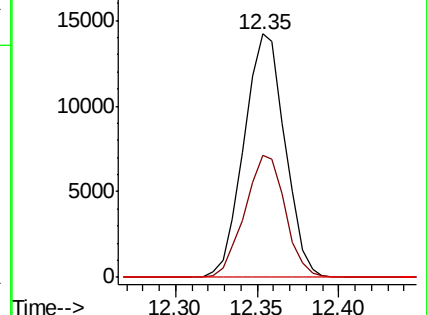
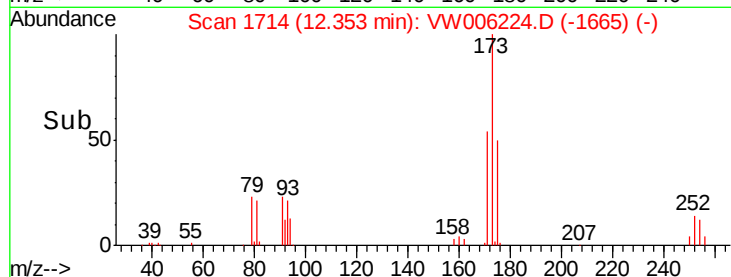
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

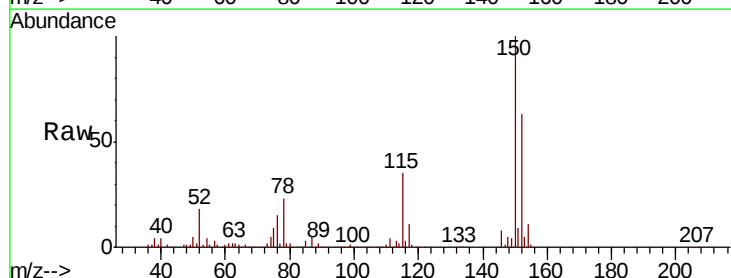
Tgt Ion:152 Resp: 194323

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

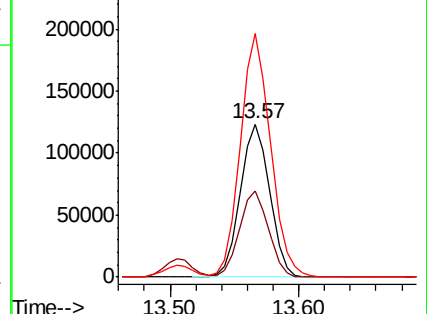
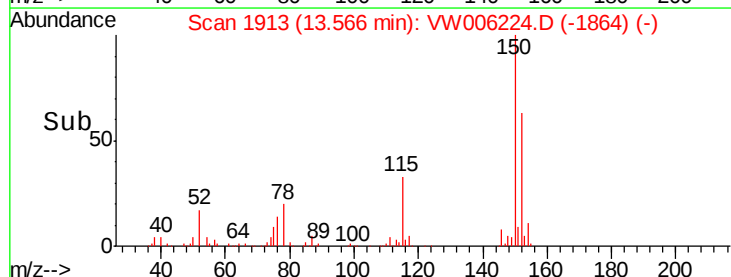
150 163.5 0.0 349.2

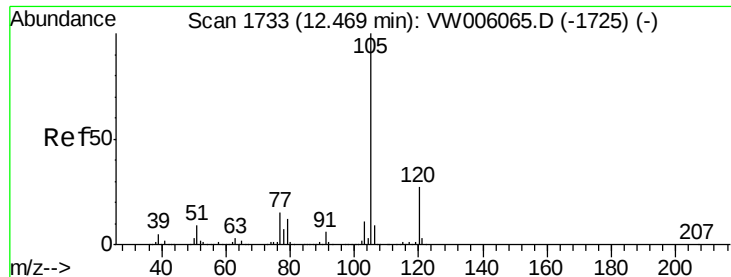


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.865 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

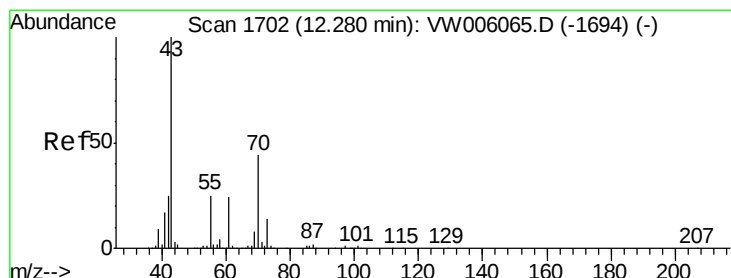
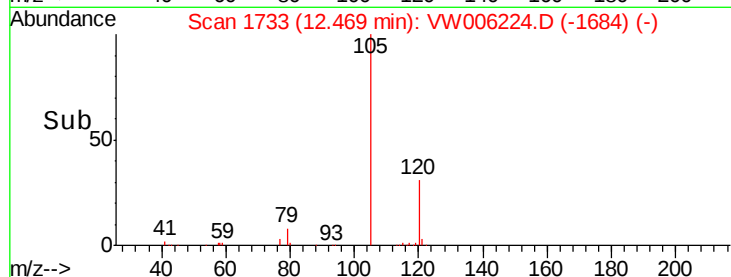
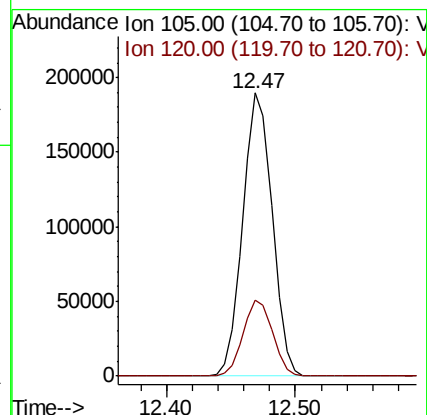
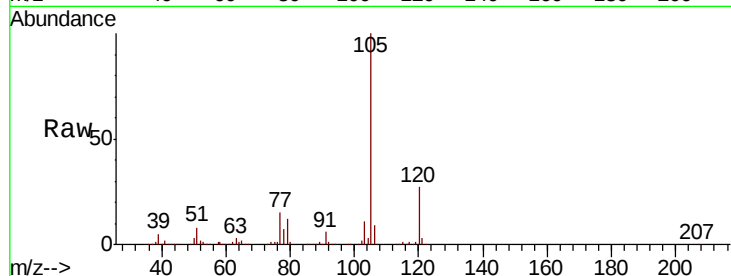
VW1019SBS01

Tot Ion:105 Resp: 300174

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 18.518 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Tgt Ion: 43 Resp: 49376

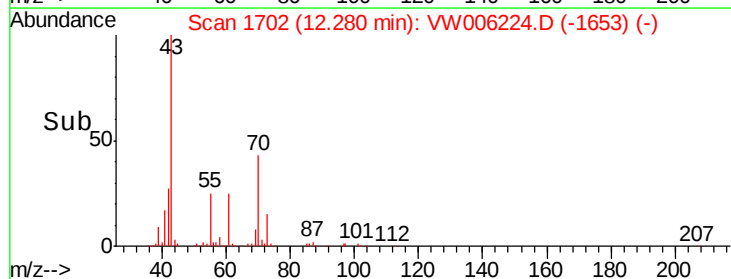
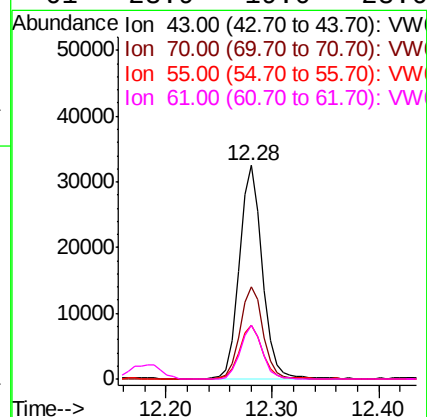
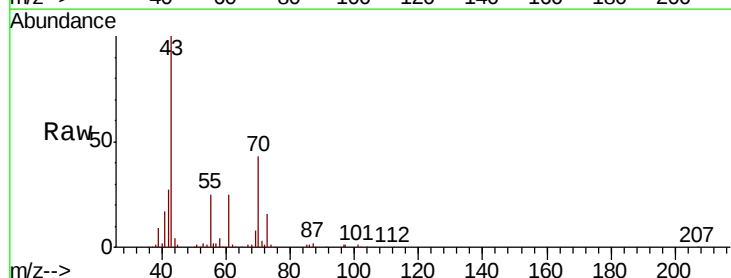
Ion Ratio Lower Upper

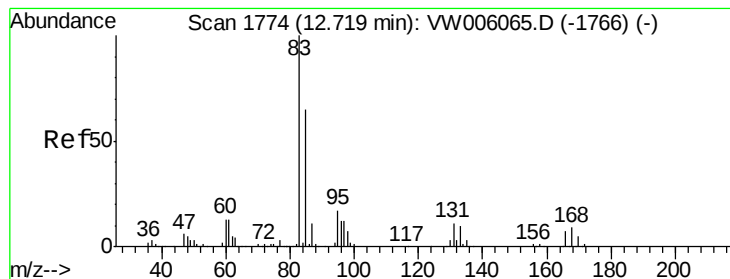
43 100

70 43.3 34.2 51.4

55 25.4 19.2 28.8

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.528 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

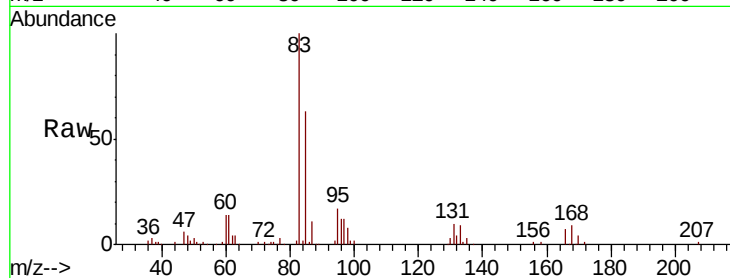
Tot Ion: 83 Resp: 42863

Ion Ratio Lower Upper

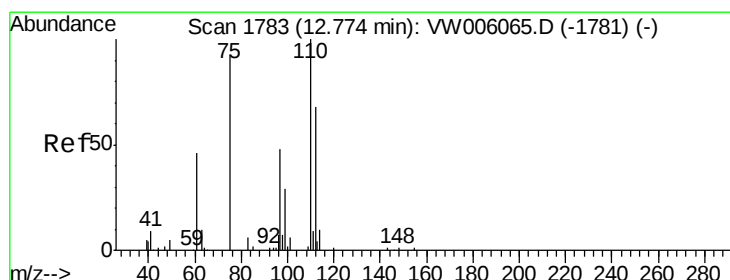
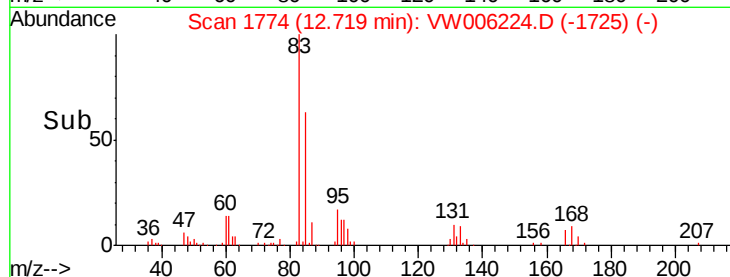
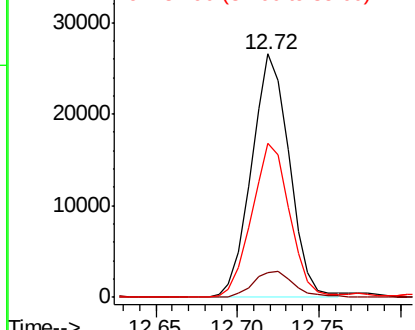
83 100

131 11.7 5.9 17.7

85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.005 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006224.D

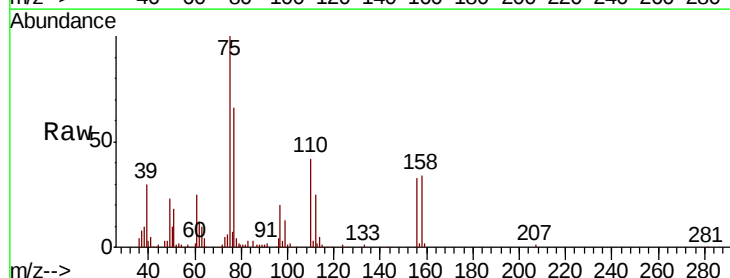
Acq: 19 Oct 2018 14:54

Tgt Ion: 75 Resp: 53440

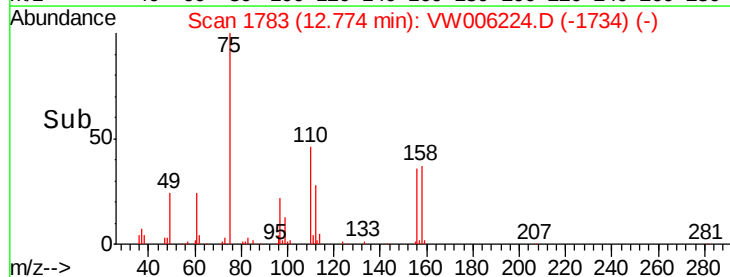
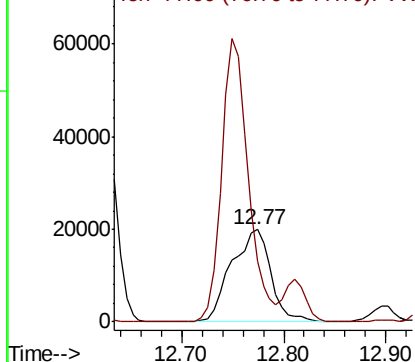
Ion Ratio Lower Upper

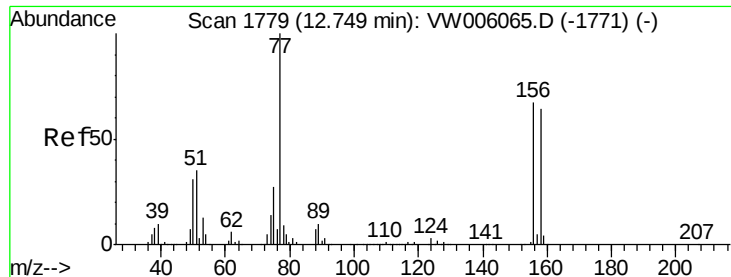
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.241 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

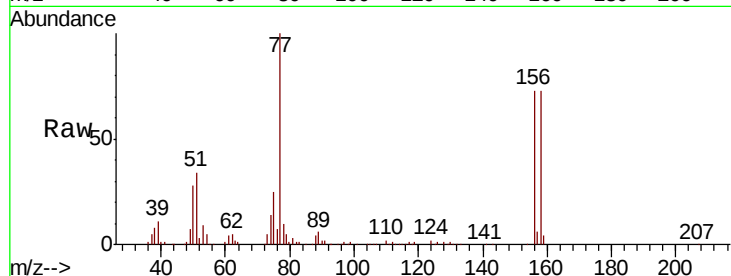
Tot Ion:156 Resp: 71422

Ion Ratio Lower Upper

156 100

77 156.1 79.1 237.4

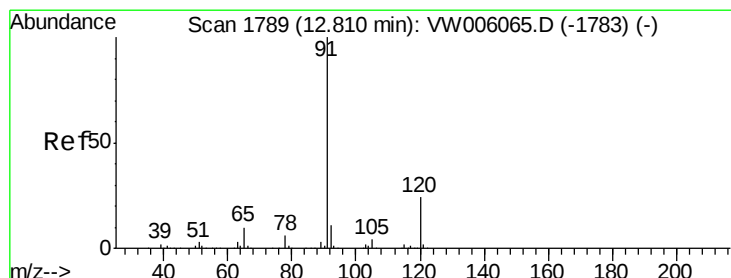
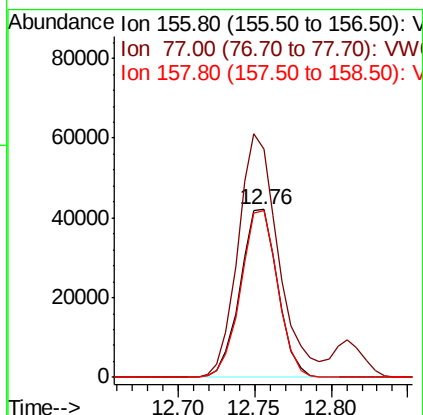
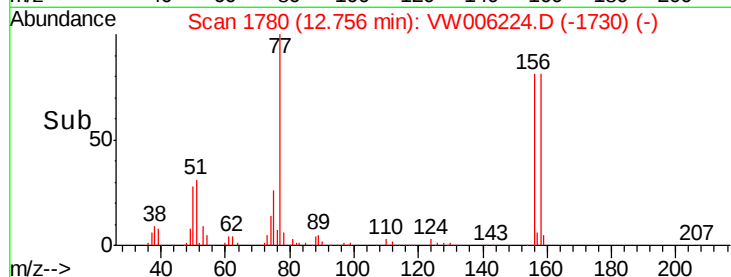
158 97.7 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.013 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006224.D

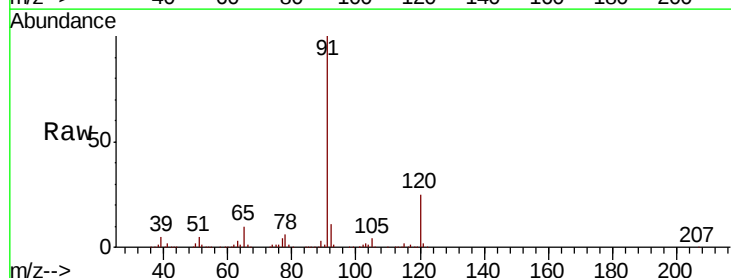
Acq: 19 Oct 2018 14:54

Tgt Ion: 91 Resp: 351593

Ion Ratio Lower Upper

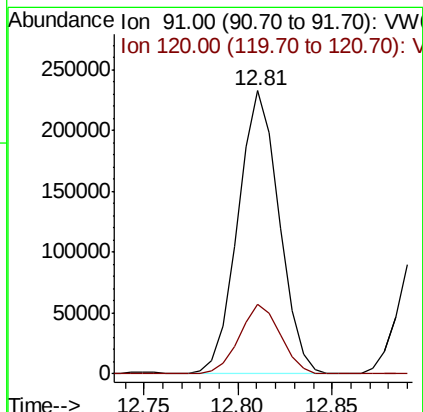
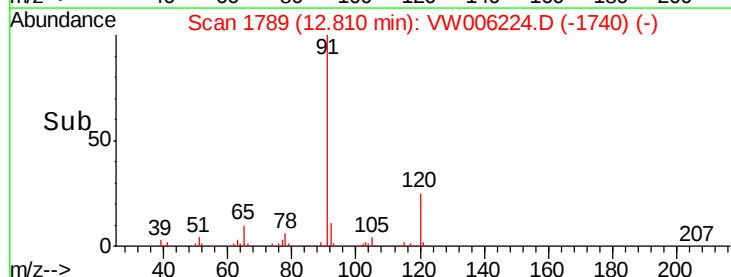
91 100

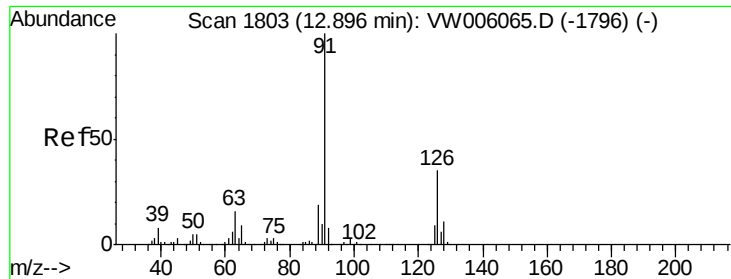
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.767 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

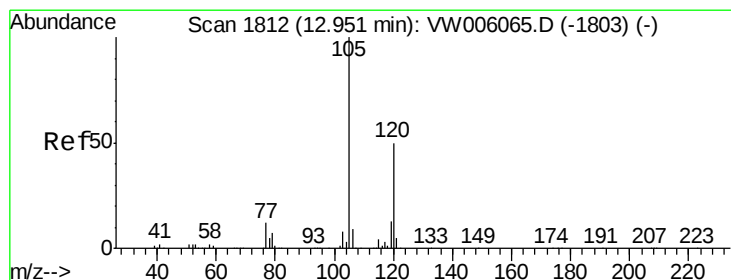
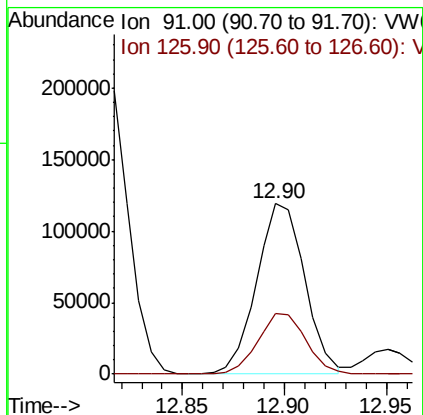
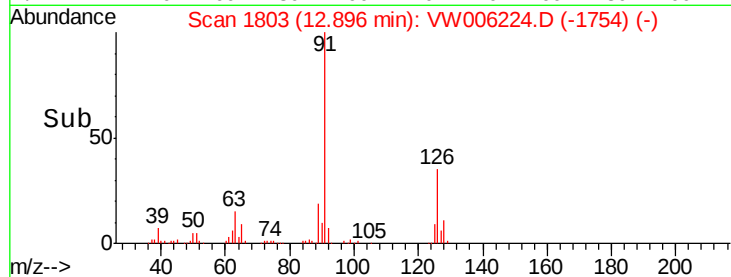
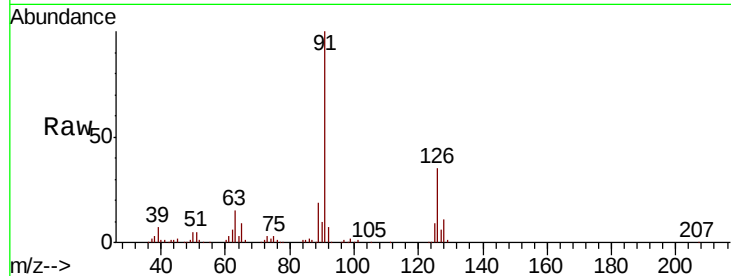
VW1019SBS01

Tot Ion: 91 Resp: 195331

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.637 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006224.D

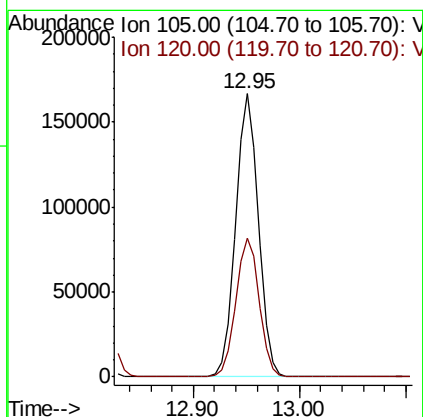
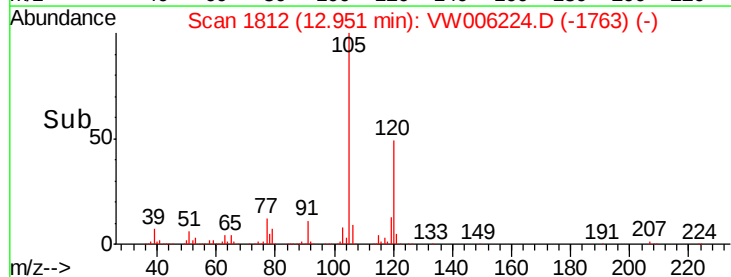
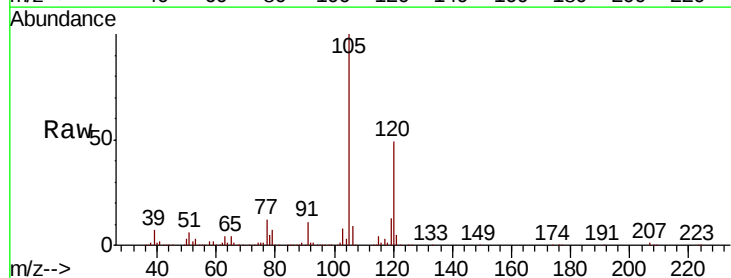
Acq: 19 Oct 2018 14:54

Tgt Ion:105 Resp: 250411

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.301 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

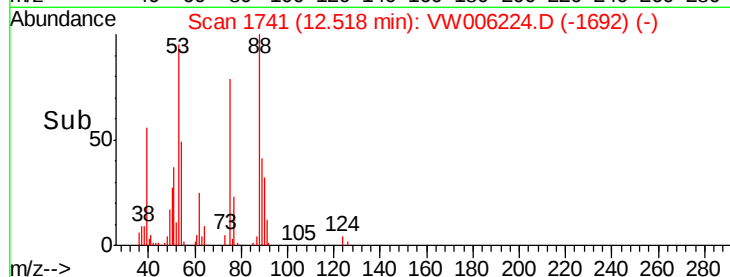
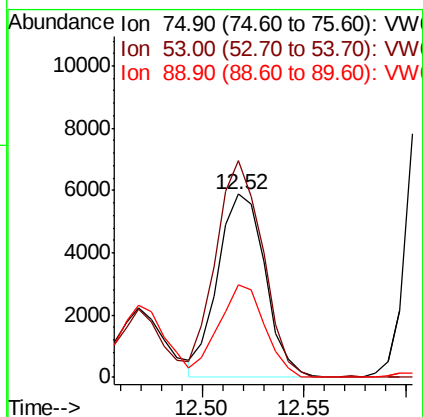
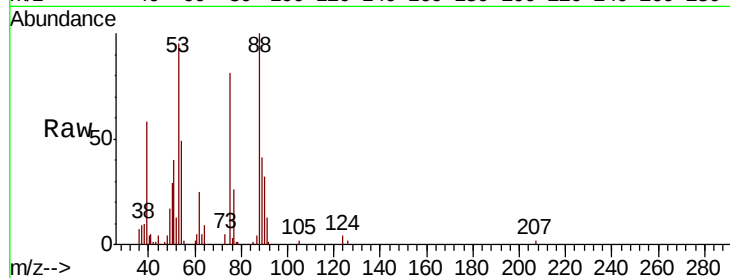
Tot Ion: 75 Resp: 9501

Ion Ratio Lower Upper

75 100

53 116.6 79.8 119.6

89 49.0 37.5 56.3



#82

4-Chlorotoluene

Concen: 21.564 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006224.D

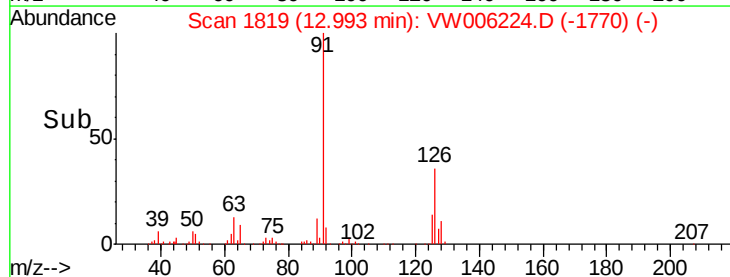
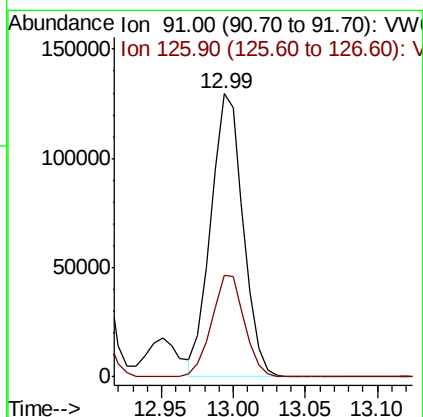
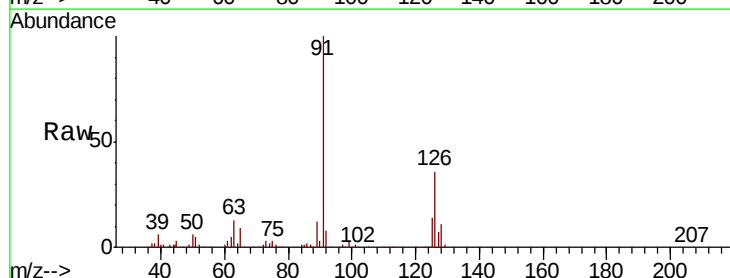
Acq: 19 Oct 2018 14:54

Tgt Ion: 91 Resp: 202708

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.3

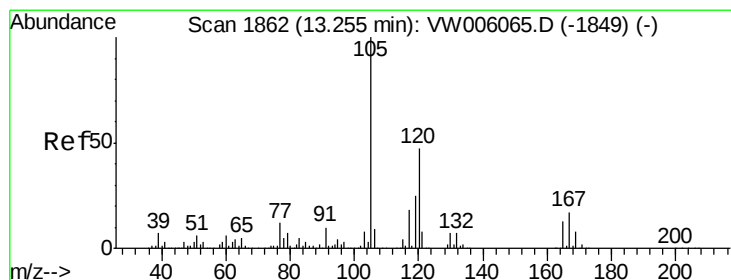
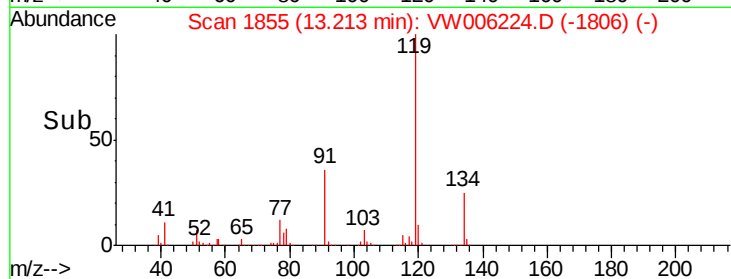
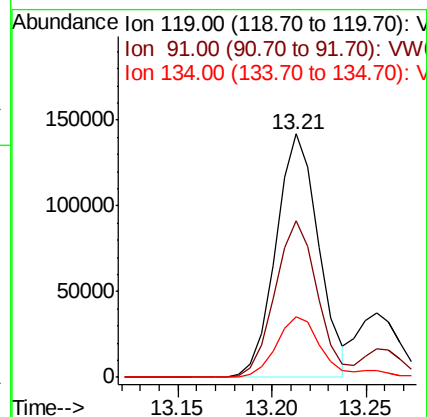
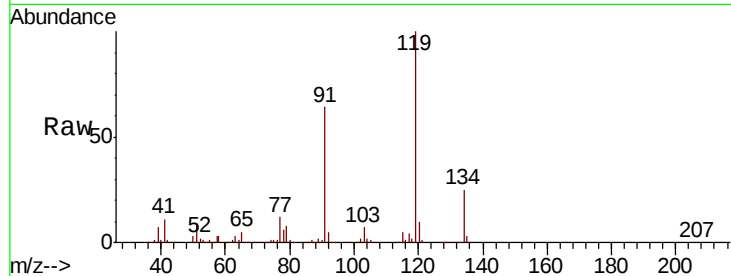




#83
tert-Butylbenzene
Concen: 21.591 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

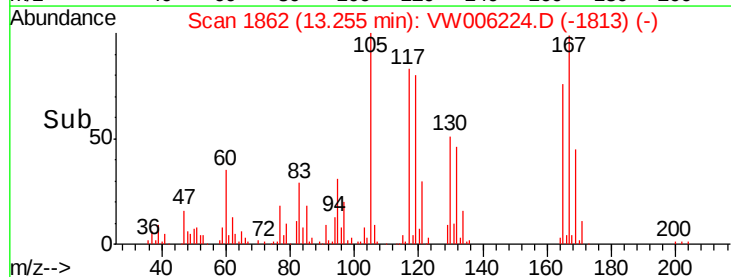
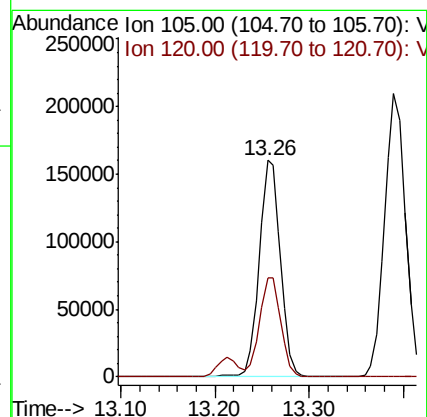
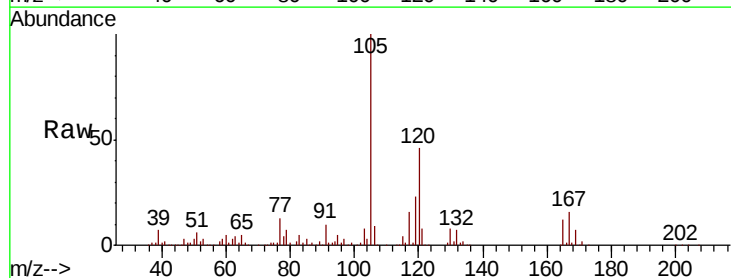
Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

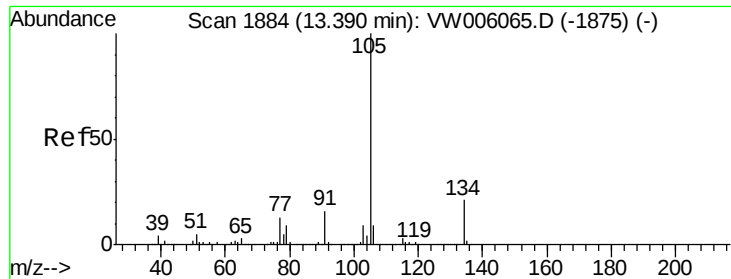
Tot Ion:119 Resp: 223568
Ion Ratio Lower Upper
119 100
91 64.4 32.3 96.9
134 25.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.790 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:105 Resp: 255185
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 22.136 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

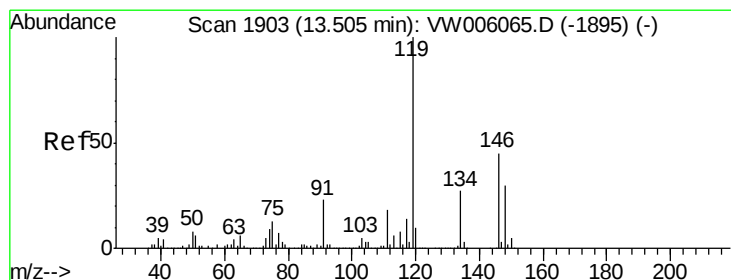
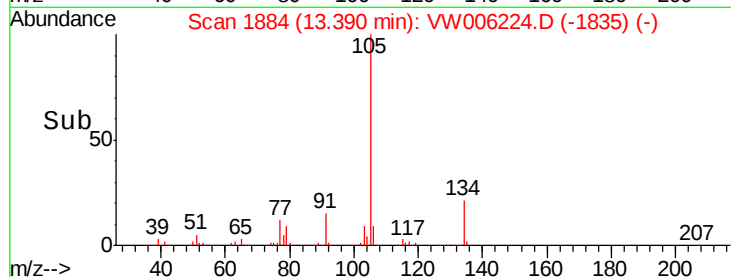
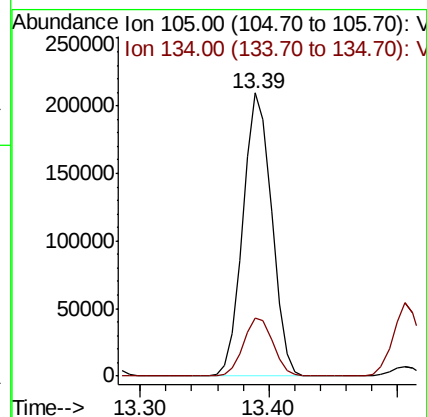
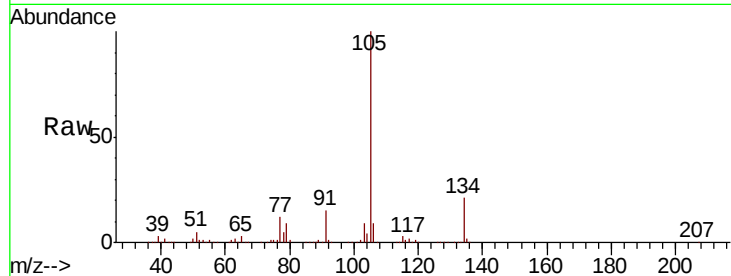
VW1019SBS01

Tot Ion:105 Resp: 323811

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.6



#86

p-Isopropyltoluene

Concen: 21.883 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

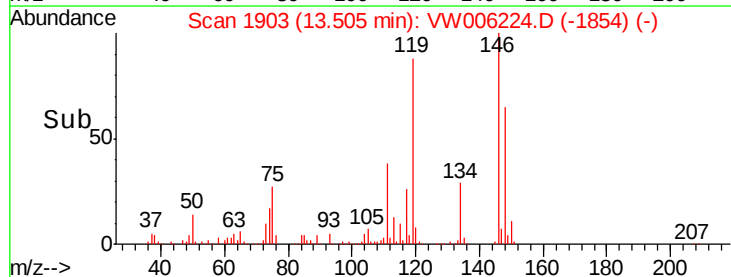
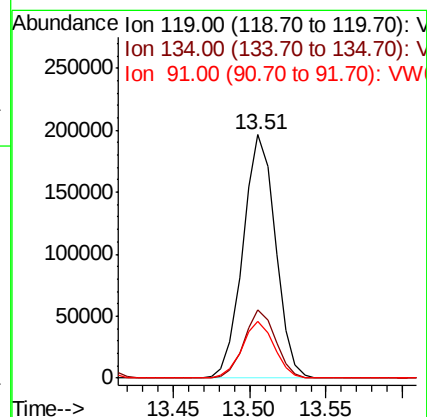
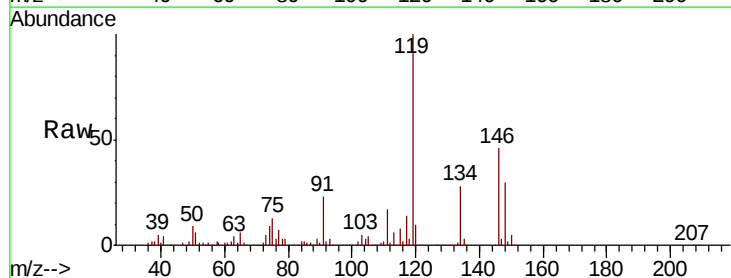
Tgt Ion:119 Resp: 289538

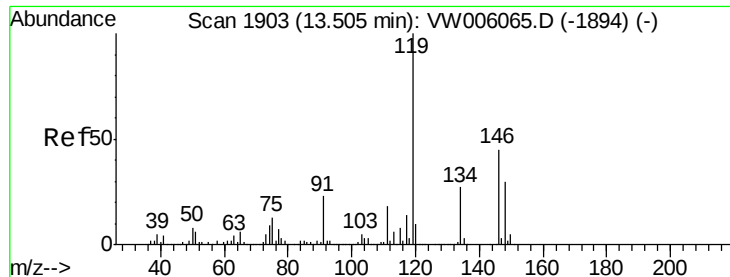
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 22.8 11.4 34.1

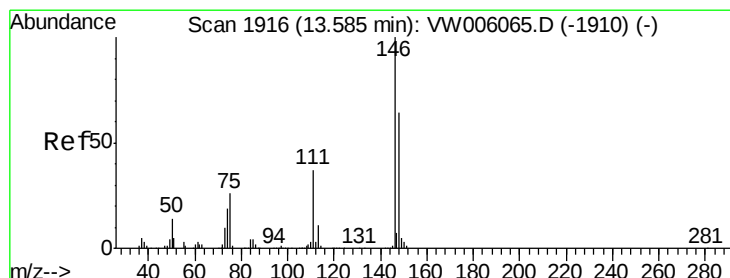
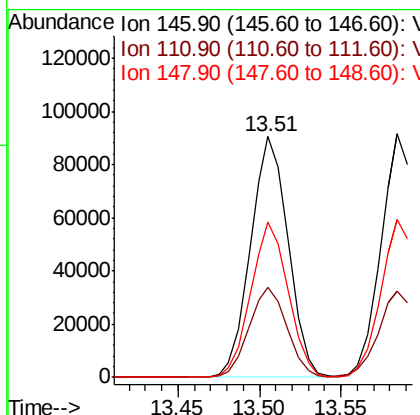
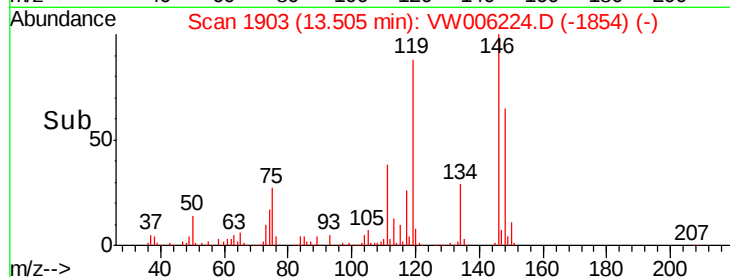
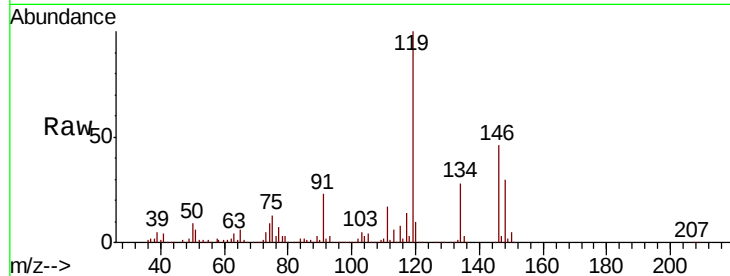




#87
 1,3-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

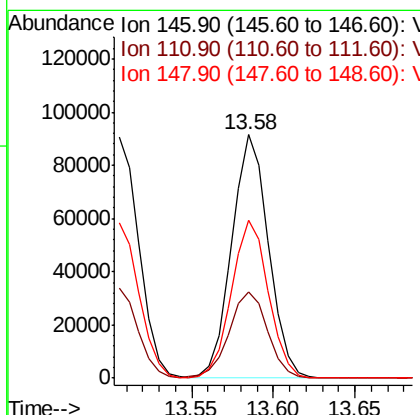
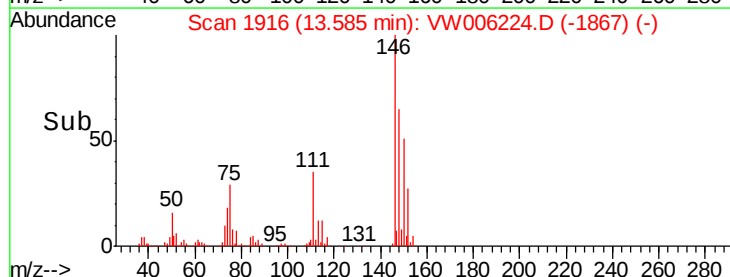
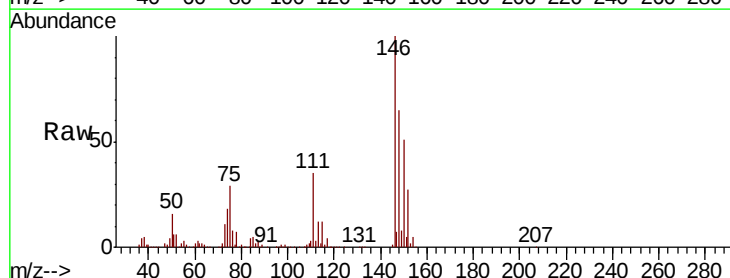
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

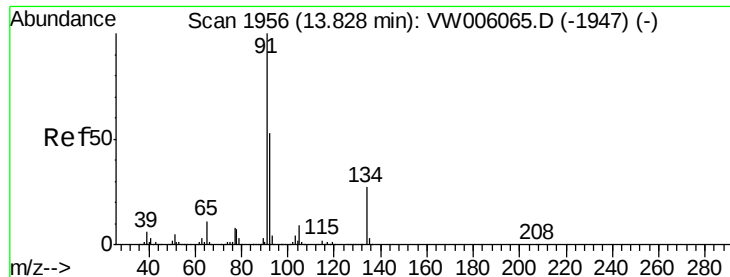
Tot Ion:146 Resp: 144770
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.526 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion:146 Resp: 143426
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 22.186 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

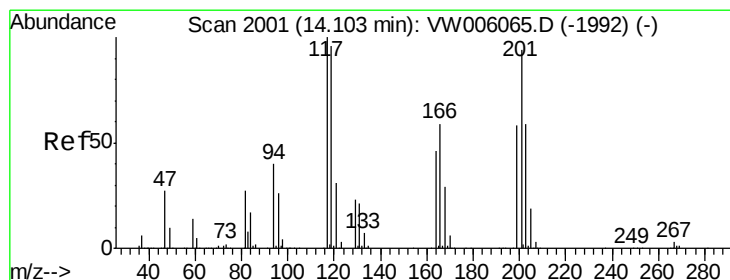
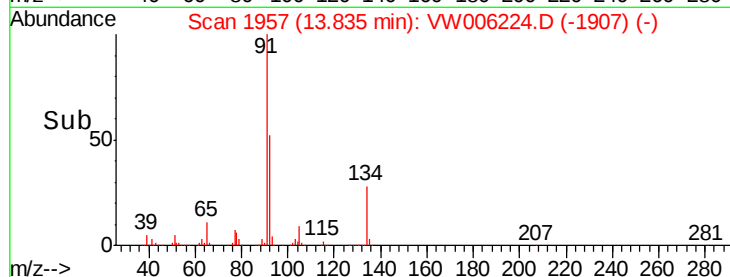
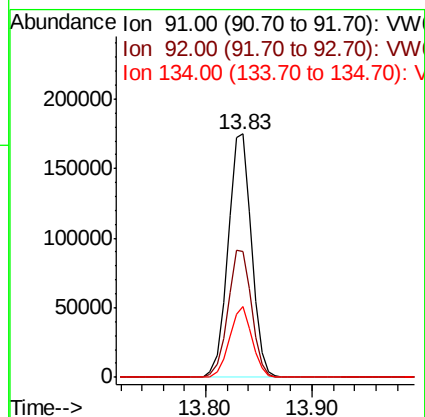
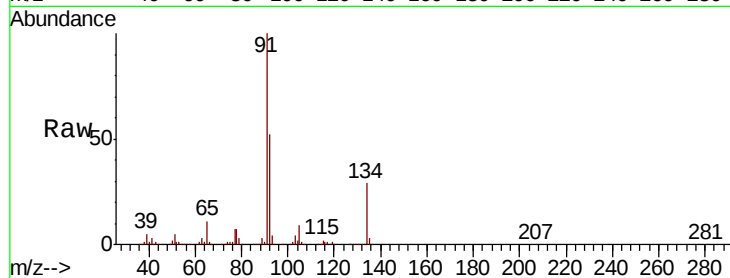
Tot Ion: 91 Resp: 268459

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.7

134 28.0 14.0 41.9



#90

Hexachloroethane

Concen: 18.528 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006224.D

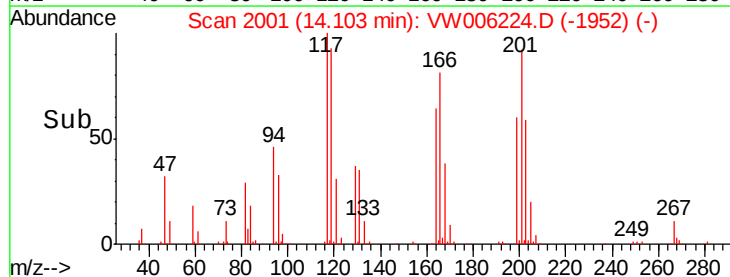
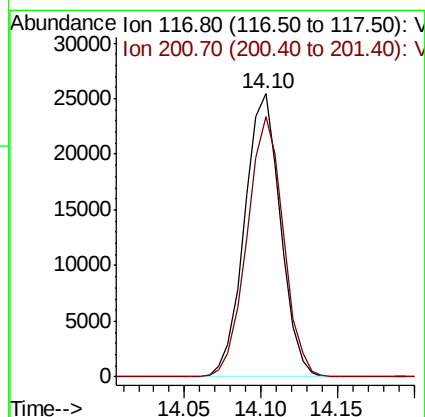
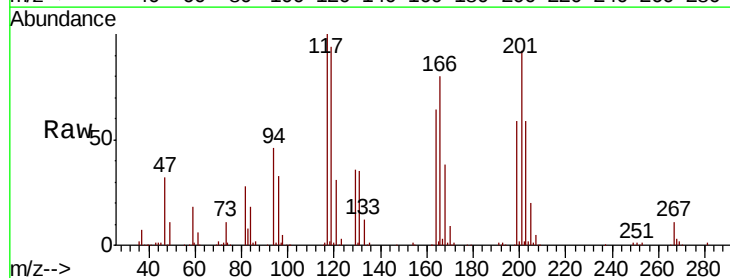
Acq: 19 Oct 2018 14:54

Tgt Ion: 117 Resp: 41524

Ion Ratio Lower Upper

117 100

201 92.7 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 21.509 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

VW1019SBS01

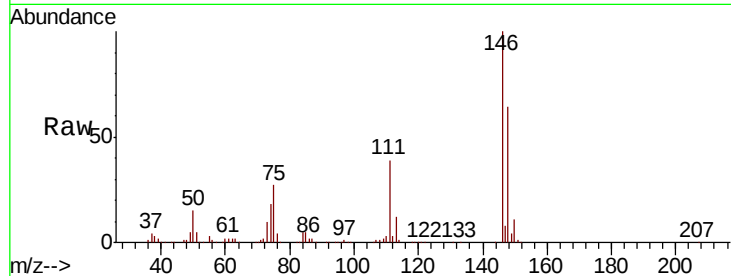
Tot Ion:146 Resp: 128393

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

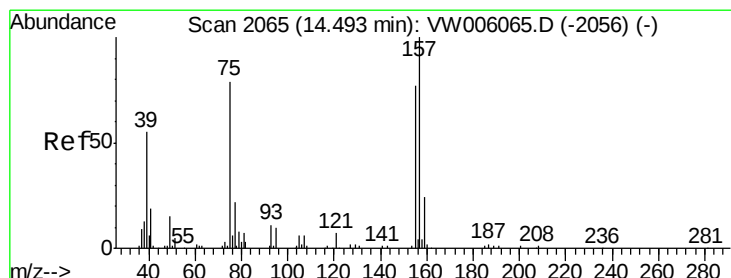
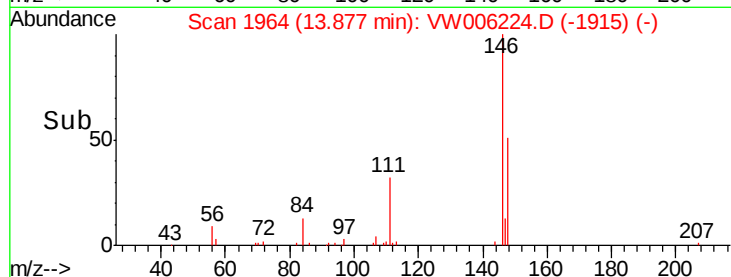
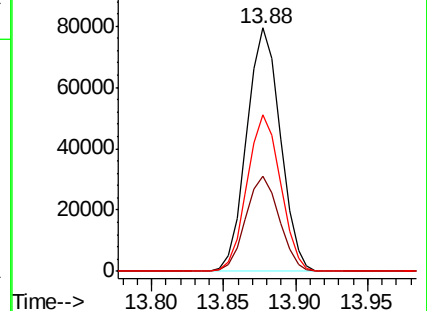
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.277 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006224.D

Acq: 19 Oct 2018 14:54

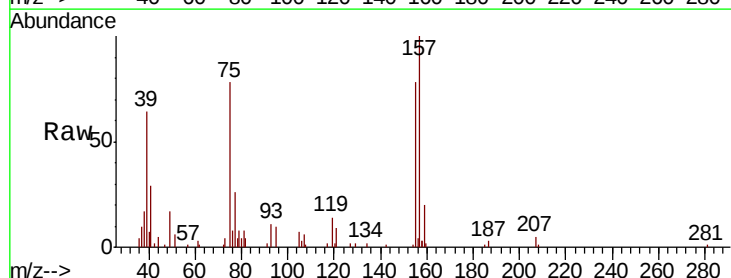
Tgt Ion: 75 Resp: 6459

Ion Ratio Lower Upper

75 100

155 95.0 46.5 139.5

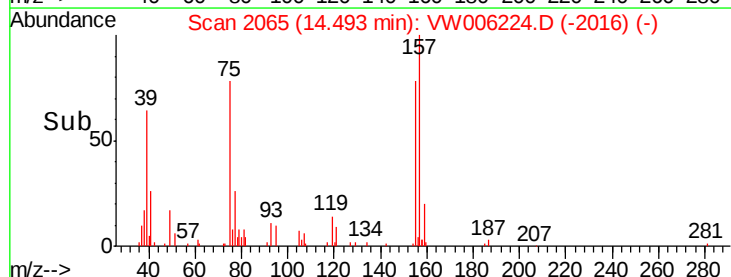
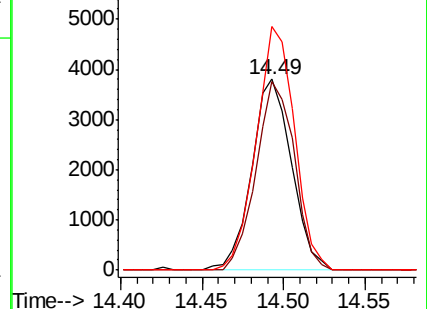
157 122.9 59.8 179.4

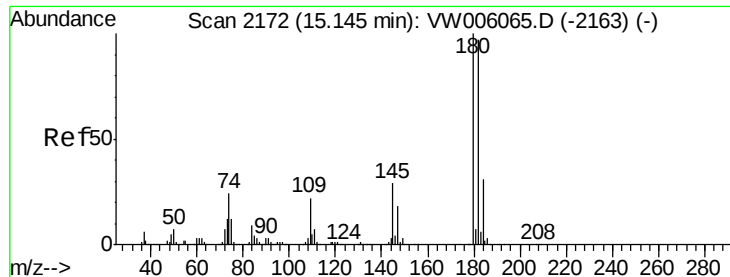


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

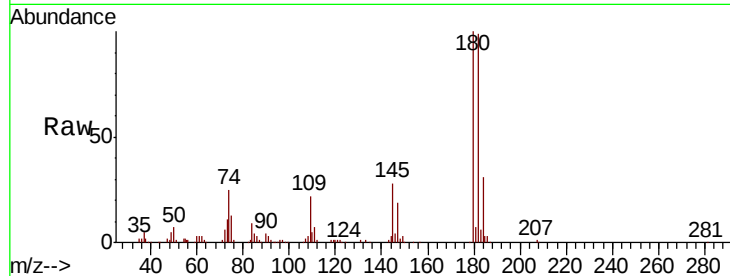




#93
 1,2,4-Trichlorobenzene
 Concen: 21.403 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	28.2	14.2	42.8

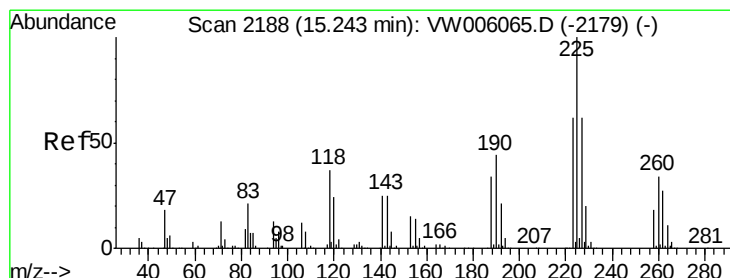
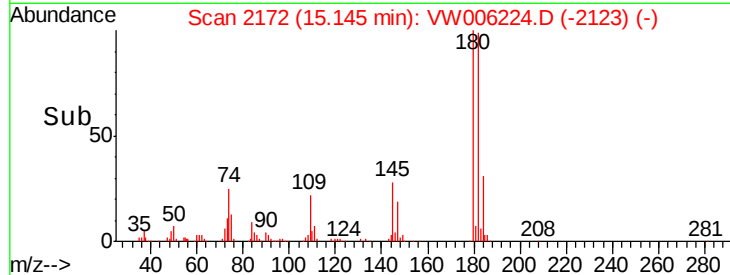
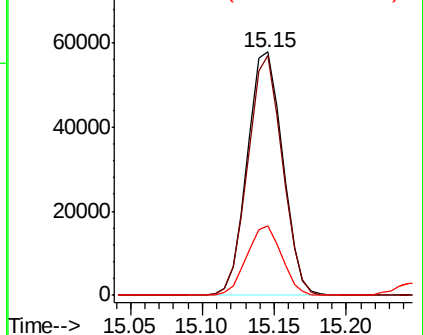


Abundance

Ion 179.80 (179.50 to 180.50): V

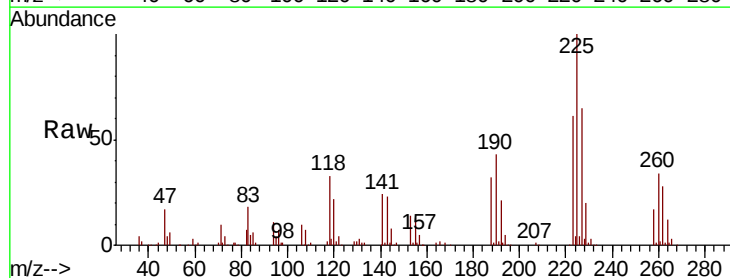
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.146 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006224.D
 Acq: 19 Oct 2018 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.5
227	63.3	32.4	97.0

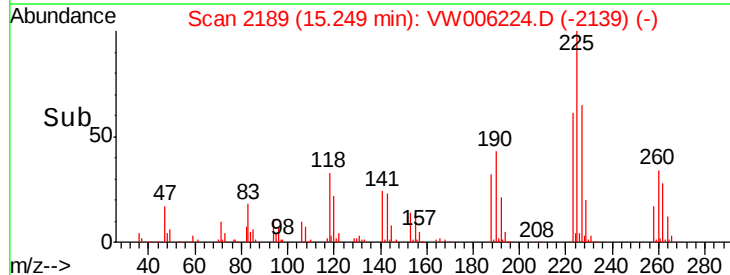
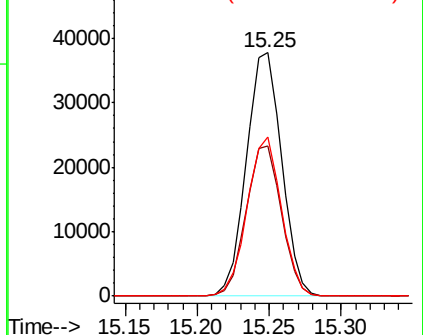


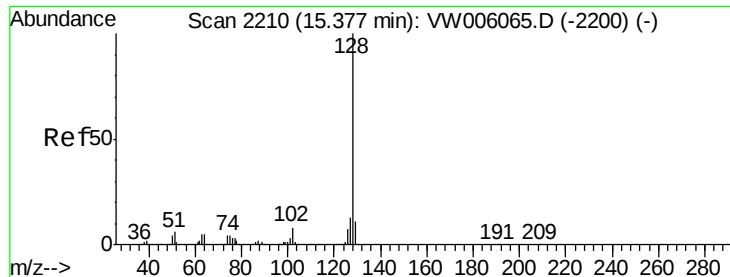
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

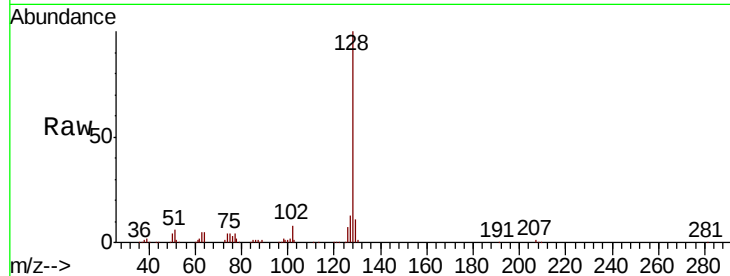




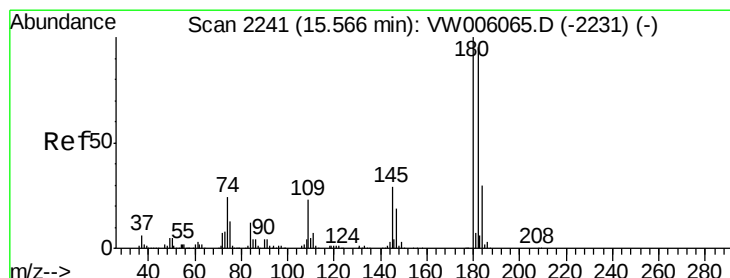
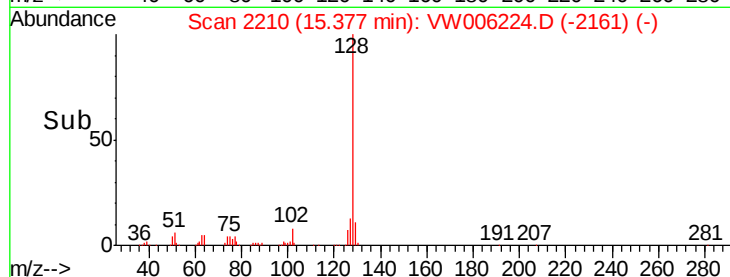
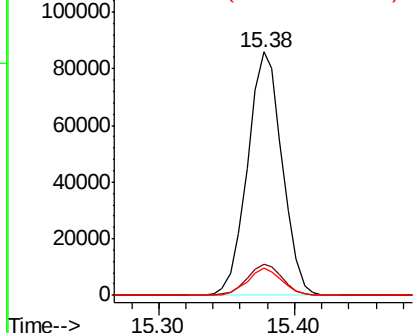
#95
Naphthalene
Concen: 20.008 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Instrument :
MSVOA_W
ClientSampleId :
VW1019SBS01

Tot Ion:128 Resp: 152872
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

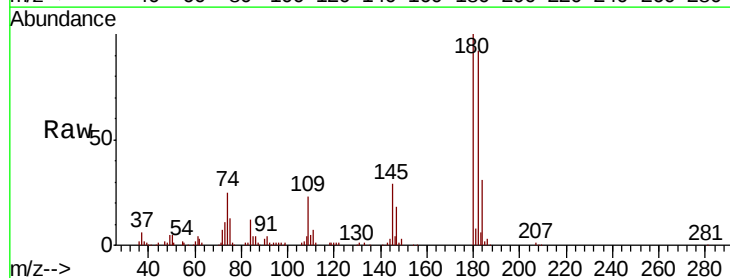


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.491 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006224.D
Acq: 19 Oct 2018 14:54

Tgt Ion:180 Resp: 85378
Ion Ratio Lower Upper
180 100
182 94.5 47.8 143.3
145 30.1 15.0 45.1



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

