

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005951.D
 Acq On : 09 Oct 2018 21:30
 Operator : SY/AP
 Sample : VW1009SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Quant Time: Oct 10 01:10:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	334393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	171023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	108753	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	7.88	113	108860	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	416773	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	154320	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21856	20.000	ug/l	93
3) Chloromethane	2.21	50	26904	20.930	ug/l	95
4) Vinyl Chloride	2.37	62	44202	21.660	ug/l	97
5) Bromomethane	2.78	94	38527	23.921	ug/l	97
6) Chloroethane	2.93	64	30381	23.367	ug/l	98
7) Trichlorofluoromethane	3.25	101	32635	20.146	ug/l	99
8) Diethyl Ether	3.68	74	25559	25.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41811	20.452	ug/l	97
10) Methyl Iodide	4.27	142	68054	20.355	ug/l	100
11) Tert butyl alcohol	5.18	59	19381	122.155	ug/l	98
12) 1,1-Dichloroethene	4.03	96	39041	19.887	ug/l	94
13) Acrolein	3.89	56	15199	107.499	ug/l	97
14) Allyl chloride	4.66	41	57131	17.066	ug/l	97
15) Acrylonitrile	5.37	53	45537	104.955	ug/l	100
16) Acetone	4.12	43	41238	95.366	ug/l	99
17) Carbon Disulfide	4.38	76	104412	17.593	ug/l	98
18) Methyl Acetate	4.67	43	21282	19.503	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	65717	21.517	ug/l	95
20) Methylene Chloride	4.92	84	45675	21.083	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	43524	20.342	ug/l	96
22) Diisopropyl ether	6.31	45	120189	19.205	ug/l	97
23) Vinyl Acetate	6.26	43	371715	96.503	ug/l	98
24) 1,1-Dichloroethane	6.21	63	76210	19.899	ug/l	99
25) 2-Butanone	7.17	43	62209	101.147	ug/l	98
26) 2,2-Dichloropropane	7.17	77	49717	18.446	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50165	20.732	ug/l	97
28) Bromochloromethane	7.51	49	28862	20.417	ug/l	93
29) Tetrahydrofuran	7.53	42	40168	103.315	ug/l	97
30) Chloroform	7.68	83	81740	20.779	ug/l	98
31) Cyclohexane	7.95	56	67124	17.711	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	68848	19.653	ug/l	100
36) 1,1-Dichloropropene	8.08	75	60602	18.914	ug/l	98
37) Ethyl Acetate	7.26	43	27614	20.351	ug/l	99
38) Carbon Tetrachloride	8.07	117	64429	18.716	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78465	18.567	ug/l	96
40) Benzene	8.32	78	172588	19.680	ug/l	99
41) Methacrylonitrile	7.48	41	14439	16.997	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	52639	19.868	ug/l	99
43) Isopropyl Acetate	8.43	43	54649	19.281	ug/l	99
44) Trichloroethene	9.09	130	52025	20.447	ug/l	97
45) 1,2-Dichloropropane	9.37	63	42435	19.331	ug/l	100
46) Dibromomethane	9.46	93	24803	20.559	ug/l	98
47) Bromodichloromethane	9.65	83	58512	19.273	ug/l	97
48) Methyl methacrylate	9.44	41	25397	18.810	ug/l	92
49) 1,4-Dioxane	9.45	88	8636	471.254	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	139314	100.935	ug/l	97
52) Toluene	10.39	92	114427	19.862	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	58539	18.451	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	67076	18.808	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	35277	21.111	ug/l	97
56) Ethyl methacrylate	10.65	69	44591	19.799	ug/l	96
57) 1,3-Dichloropropane	10.93	76	56763	20.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	98407	107.383	ug/l	99
59) 2-Hexanone	10.97	43	96143	97.148	ug/l	96
60) Dibromochloromethane	11.13	129	42801	19.849	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34823	20.855	ug/l	99
64) Tetrachloroethene	10.87	164	46276	20.217	ug/l	99
65) Chlorobenzene	11.66	112	134036	20.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48526	20.114	ug/l	99
67) Ethyl Benzene	11.73	91	231129	19.881	ug/l	100
68) m/p-Xylenes	11.84	106	180632	39.758	ug/l	98
69) o-Xylene	12.17	106	85628	19.687	ug/l	100
70) Styrene	12.18	104	144104	19.968	ug/l	98
71) Bromoform	12.35	173	27297	18.995	ug/l #	99
73) Isopropylbenzene	12.47	105	240183	19.230	ug/l	100
74) N-amyl acetate	12.27	43	55178	18.602	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	41156	20.104	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54007	35.352	ug/l #	100
77) Bromobenzene	12.75	156	60367	20.400	ug/l	96
78) n-propylbenzene	12.81	91	282893	19.254	ug/l	100
79) 2-Chlorotoluene	12.90	91	161169	19.432	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	205751	19.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11876	16.411	ug/l	96
82) 4-Chlorotoluene	12.99	91	170538	19.543	ug/l	99
83) tert-Butylbenzene	13.21	119	183335	19.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	210437	19.784	ug/l	99
85) sec-Butylbenzene	13.39	105	259551	19.716	ug/l	99
86) p-Isopropyltoluene	13.51	119	233632	19.734	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	120049	20.420	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	120819	20.681	ug/l	100
89) n-Butylbenzene	13.83	91	216789	19.426	ug/l	99
90) Hexachloroethane	14.10	117	39531	17.754	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	109233	20.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7156	18.757	ug/l	91

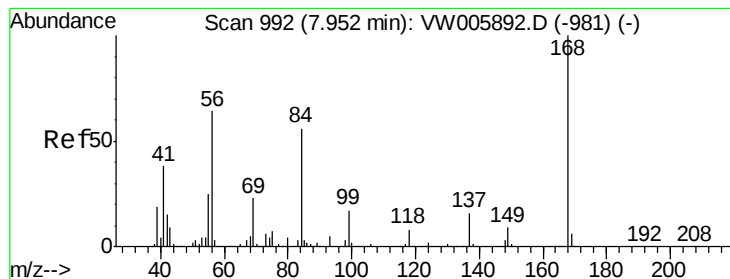
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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	84116	20.785	ug/l	100
94) Hexachlorobutadiene	15.24	225	50459	19.975	ug/l	99
95) Naphthalene	15.38	128	151945	21.782	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	74644	21.301	ug/l	100

(#) = 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: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

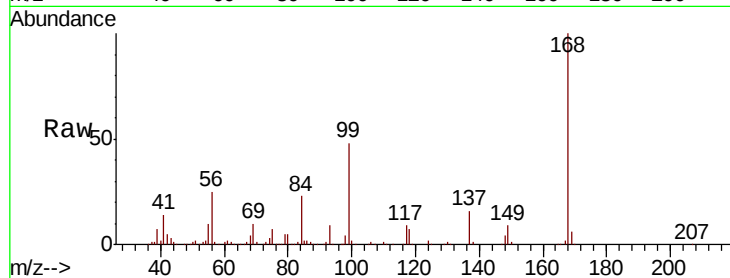
VW1010SBSD01

Tgt Ion:168 Resp: 223004

Ion Ratio Lower Upper

168 100

99 47.9 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

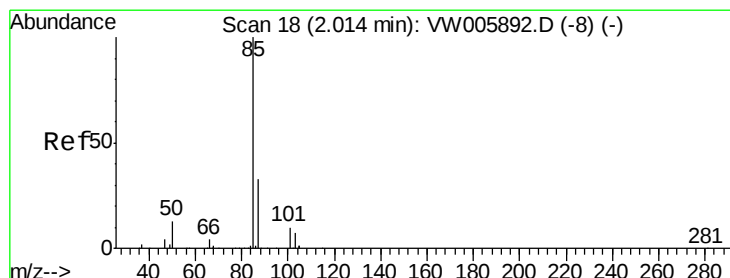
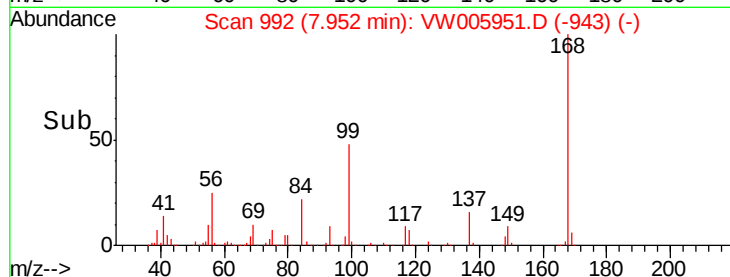
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.000 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005951.D

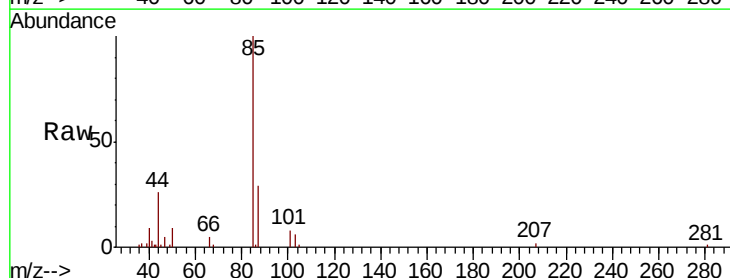
Acq: 09 Oct 2018 21:30

Tgt Ion: 85 Resp: 21856

Ion Ratio Lower Upper

85 100

87 29.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

4000

2000

0

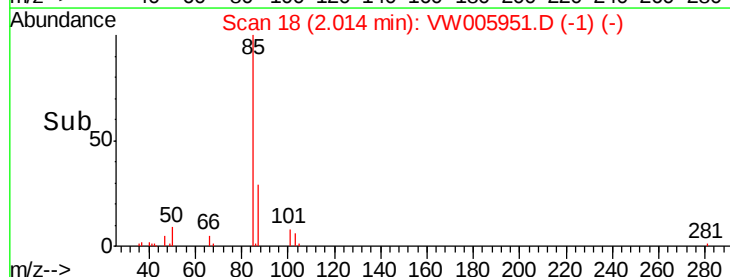
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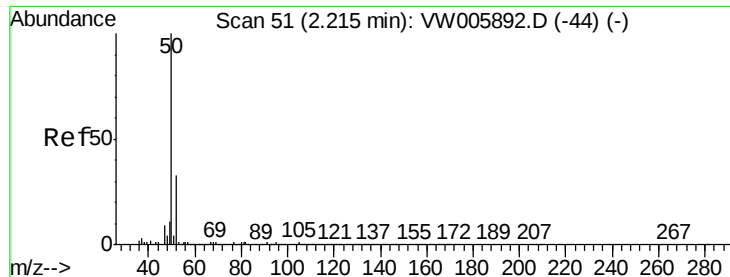
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.930 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

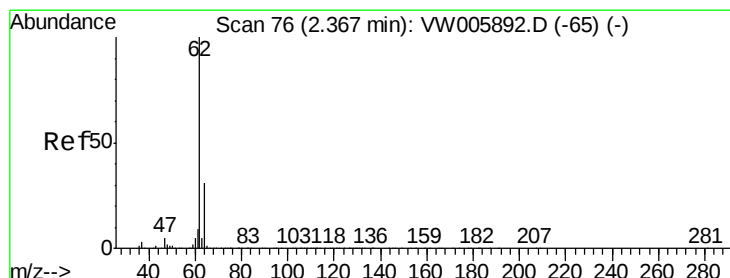
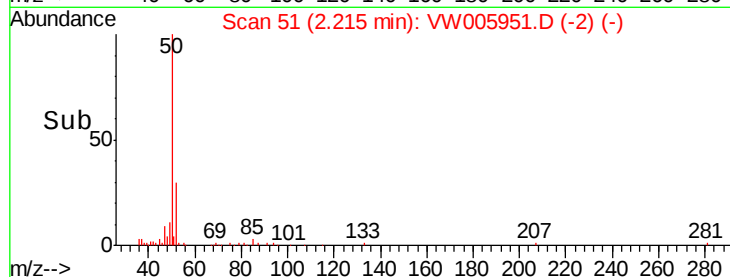
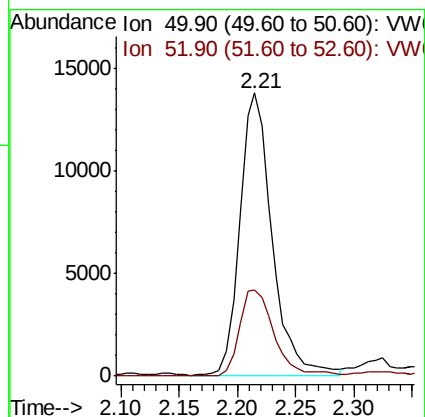
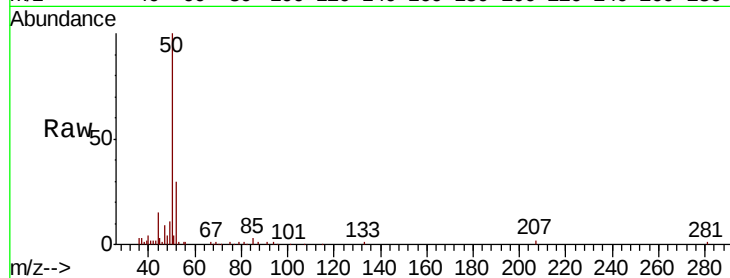
VW1010SBSD01

Tgt Ion: 50 Resp: 26904

Ion Ratio Lower Upper

50 100

52 30.4 26.7 40.1



#4

Vinyl Chloride

Concen: 21.660 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005951.D

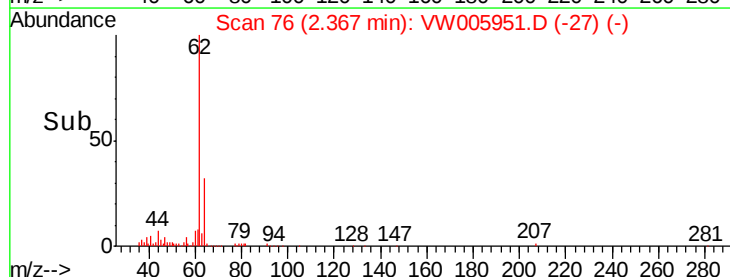
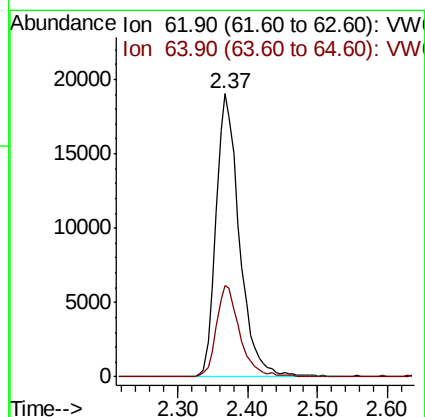
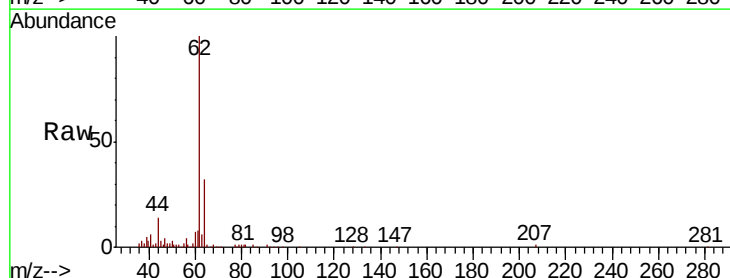
Acq: 09 Oct 2018 21:30

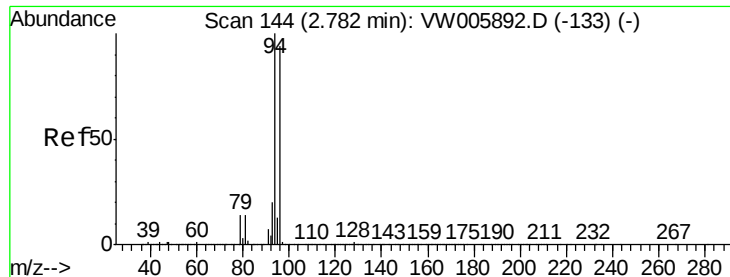
Tgt Ion: 62 Resp: 44202

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 23.921 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

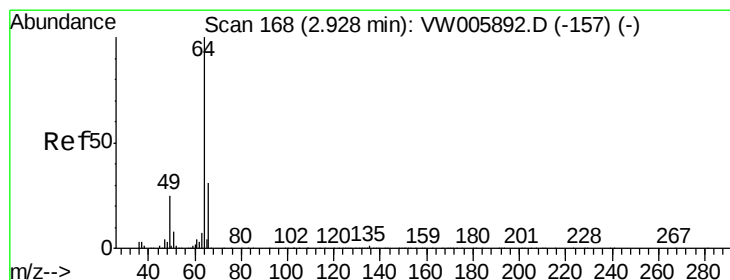
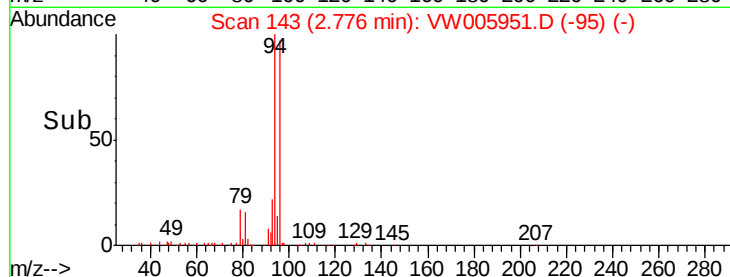
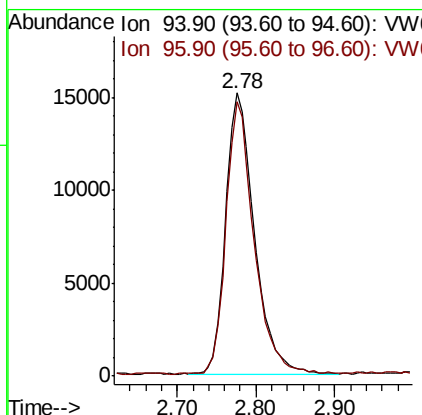
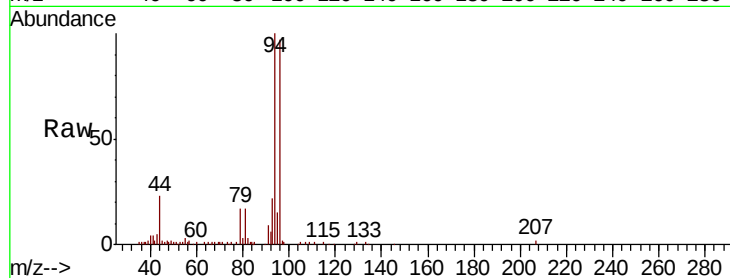
VW1010SBSD01

Tgt Ion: 94 Resp: 38527

Ion Ratio Lower Upper

94 100

96 96.3 75.0 112.4



#6

Chloroethane

Concen: 23.367 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005951.D

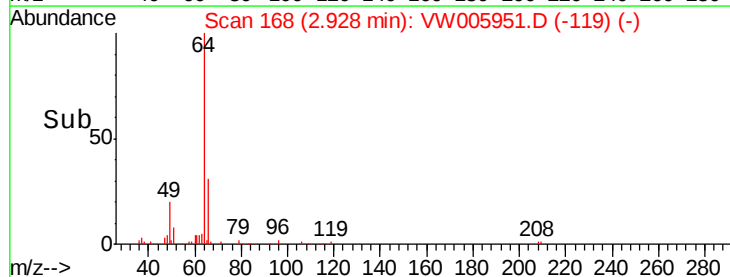
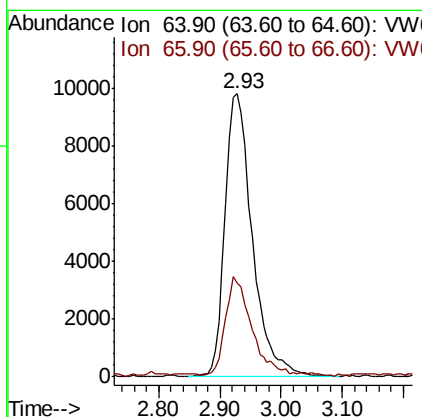
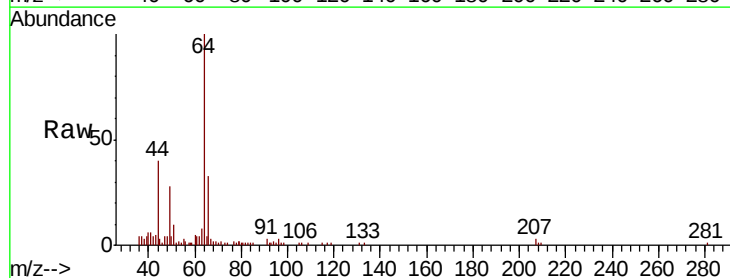
Acq: 09 Oct 2018 21:30

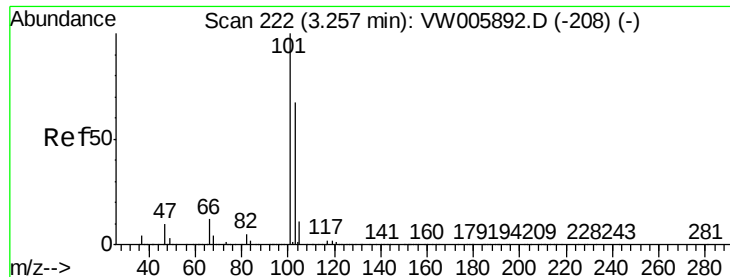
Tgt Ion: 64 Resp: 30381

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4



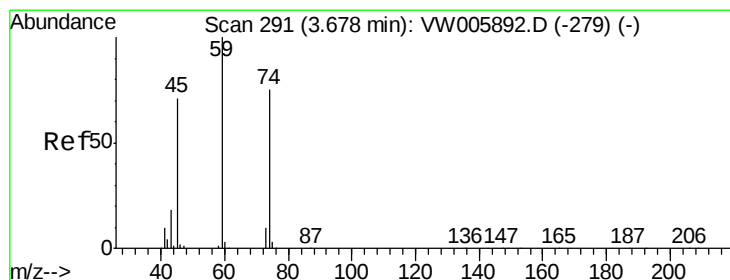
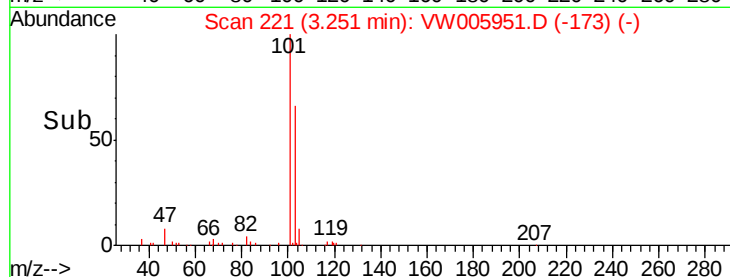
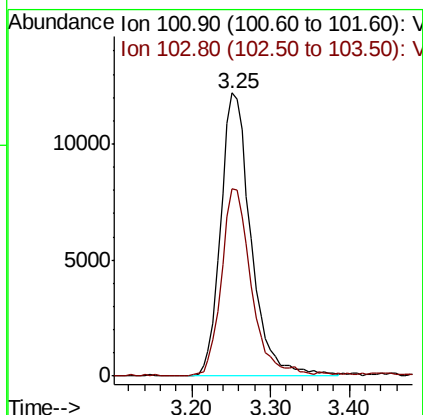
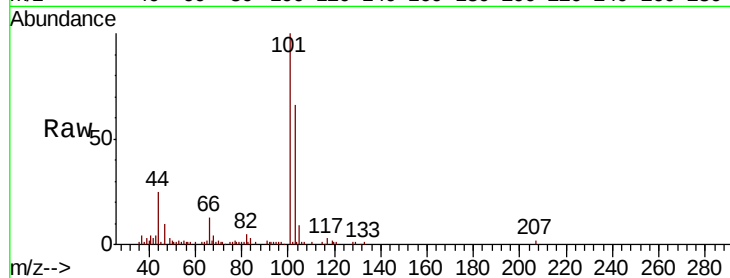


#7

Trichlorofluoromethane
Concen: 20.146 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Instrument :
MSVOA_W
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VW1010SBSD01

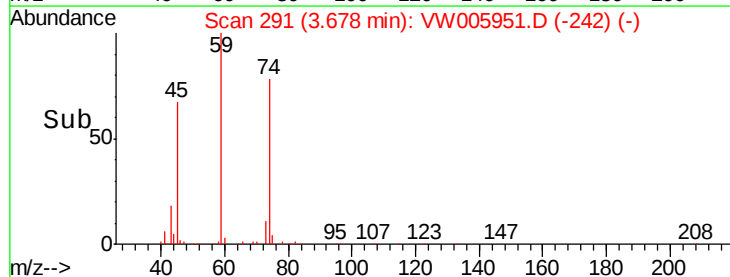
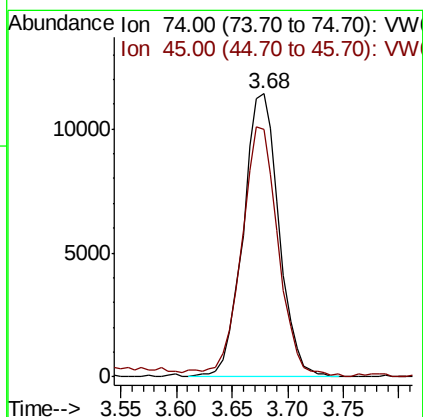
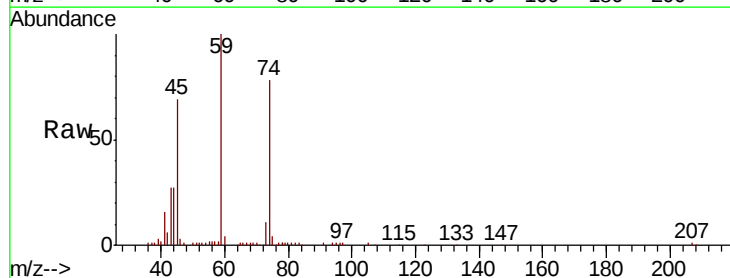
Tgt Ion: 101 Resp: 32635
Ion Ratio Lower Upper
101 100
103 66.4 53.5 80.3

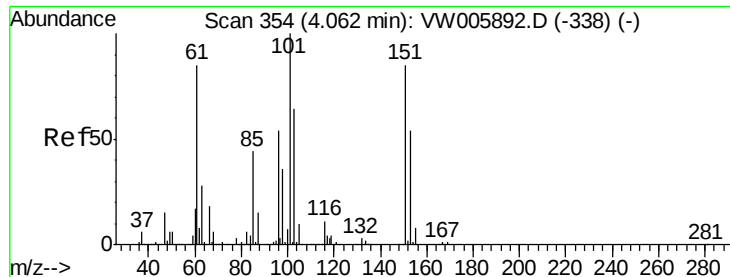


#8

Diethyl Ether
Concen: 25.637 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 74 Resp: 25559
Ion Ratio Lower Upper
74 100
45 90.4 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.452 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

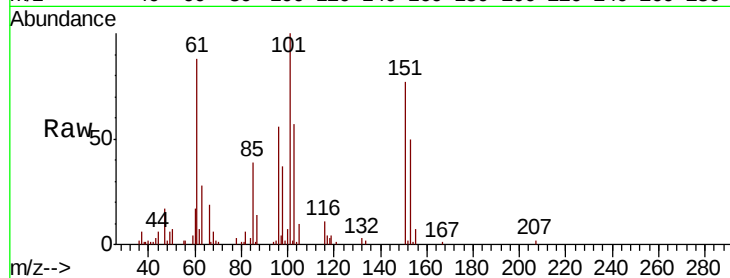
Tgt Ion:101 Resp: 41811

Ion Ratio Lower Upper

101 100

85 44.1 35.1 52.7

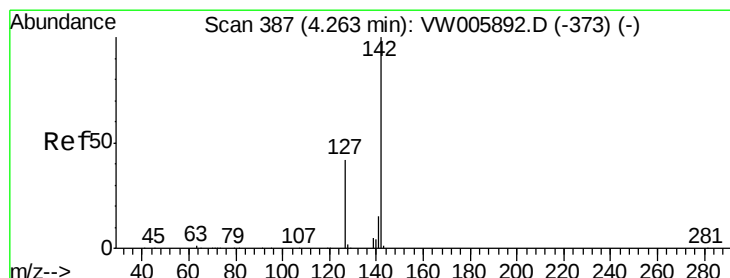
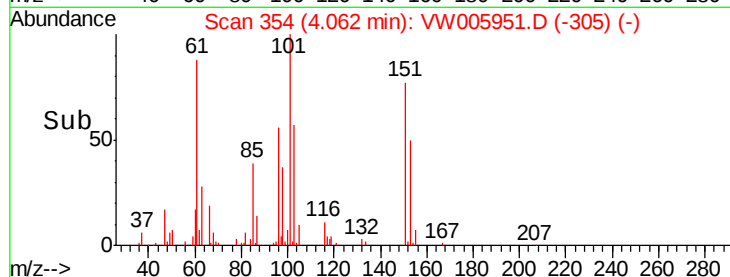
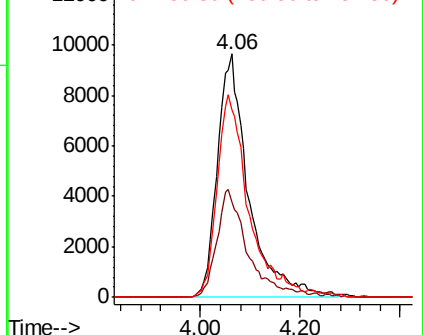
151 80.1 67.7 101.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.355 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

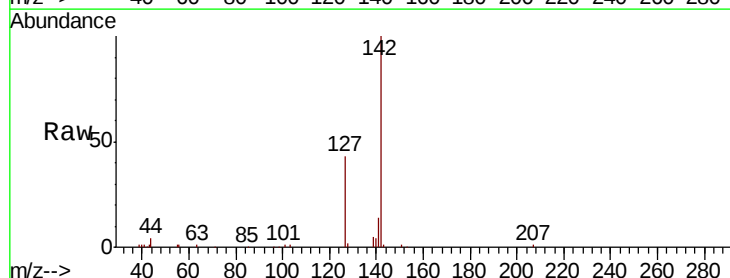
Tgt Ion:142 Resp: 68054

Ion Ratio Lower Upper

142 100

127 42.4 33.7 50.5

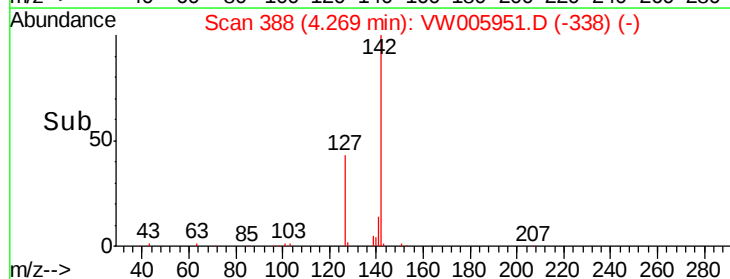
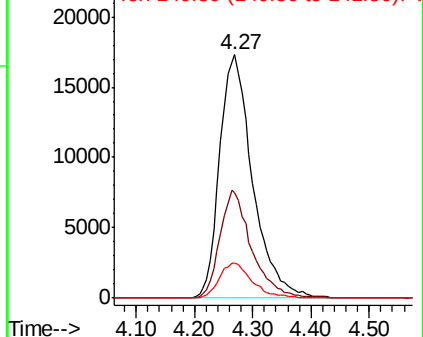
141 14.2 11.5 17.3

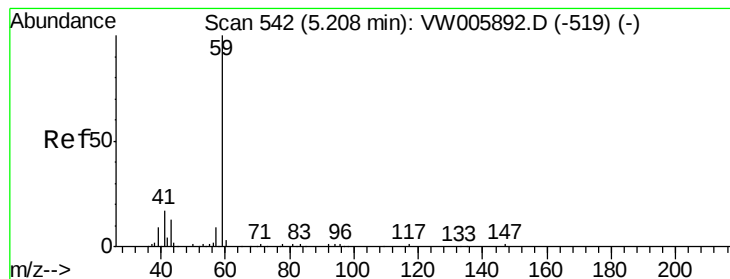


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



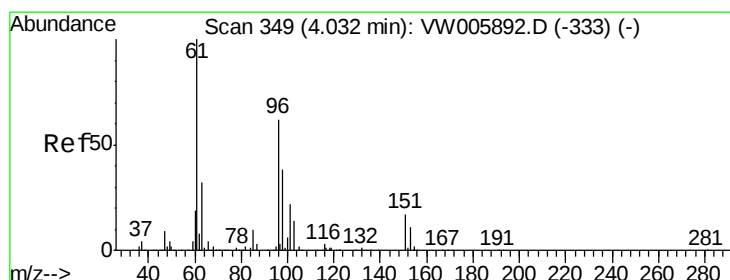
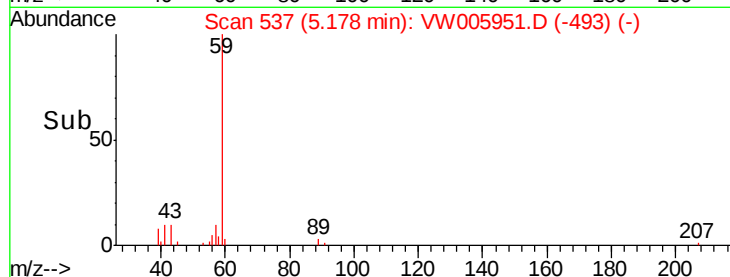
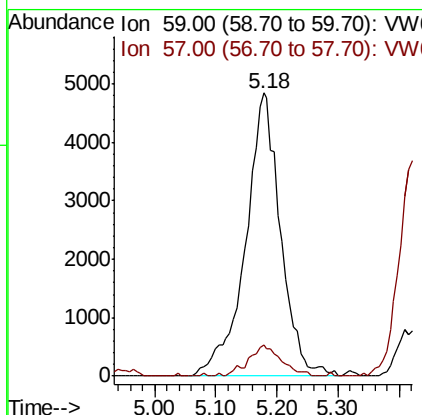
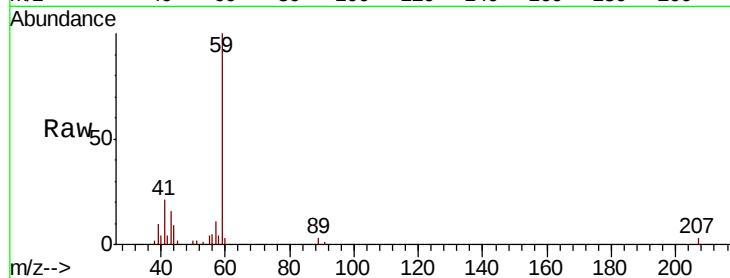


#11

Tert butyl alcohol
 Concen: 122.155 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.03 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

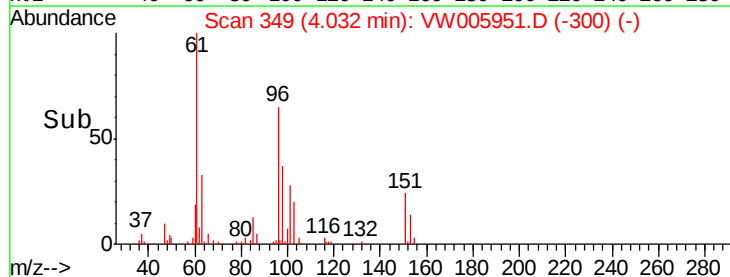
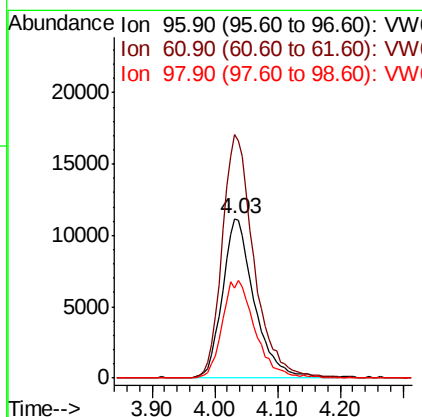
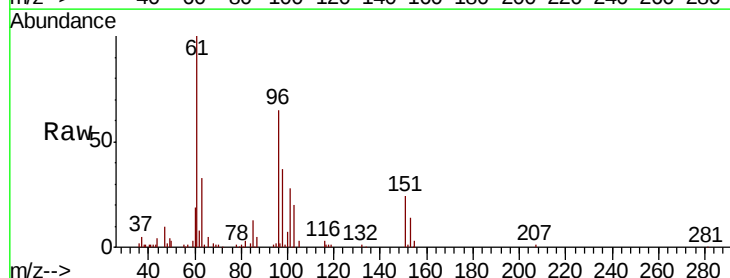
Tgt Ion: 59 Resp: 19381
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.7 11.5

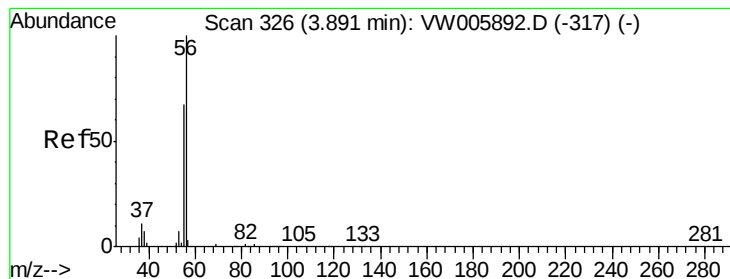


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 96 Resp: 39041
 Ion Ratio Lower Upper
 96 100
 61 152.8 128.6 193.0
 98 56.7 49.4 74.0





#13

Acrolein

Concen: 107.499 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

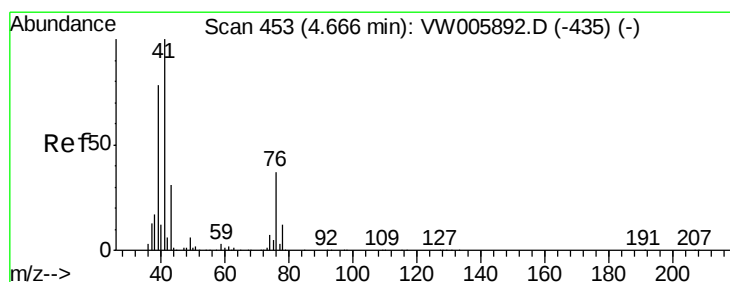
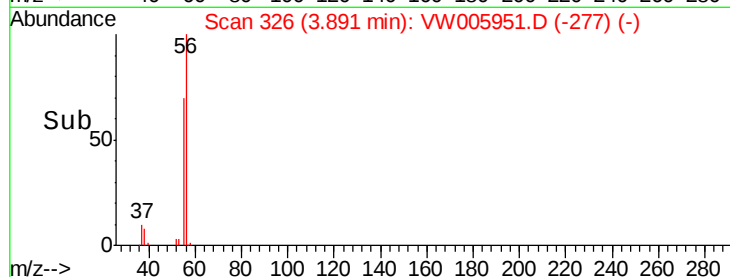
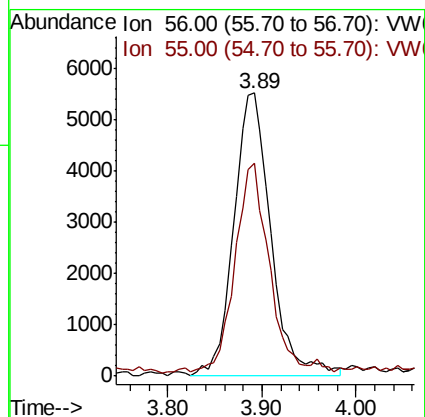
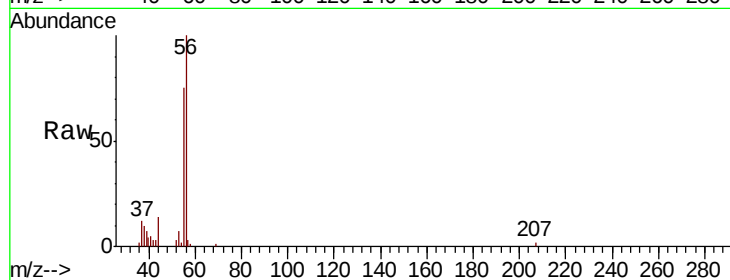
VW1010SBSD01

Tgt Ion: 56 Resp: 15199

Ion Ratio Lower Upper

56 100

55 66.0 54.6 82.0



#14

Allyl chloride

Concen: 17.066 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

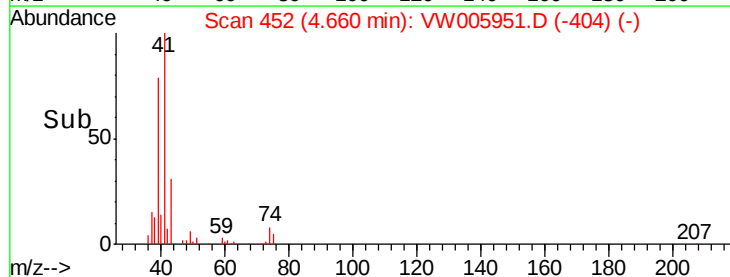
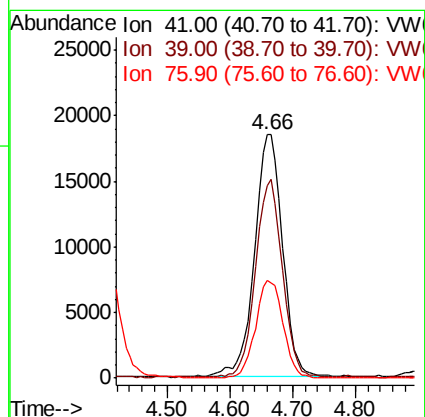
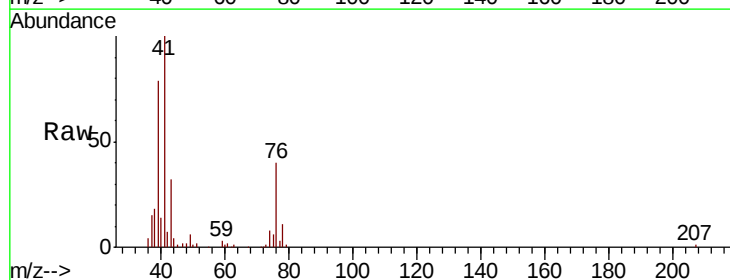
Tgt Ion: 41 Resp: 57131

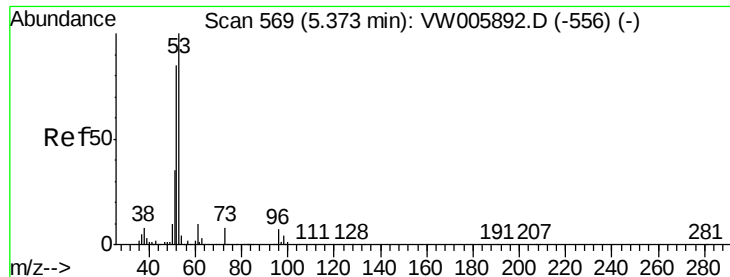
Ion Ratio Lower Upper

41 100

39 78.1 60.8 91.2

76 39.4 29.6 44.4





#15

Acrylonitrile

Concen: 104.955 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

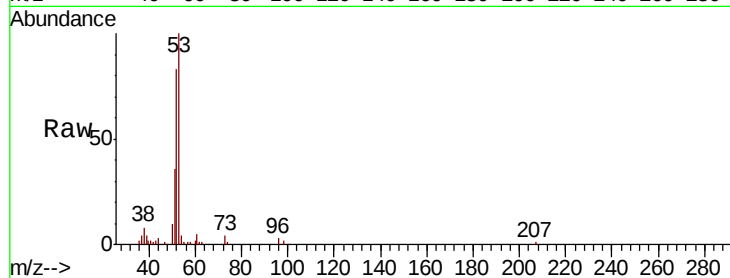
Tgt Ion: 53 Resp: 45537

Ion Ratio Lower Upper

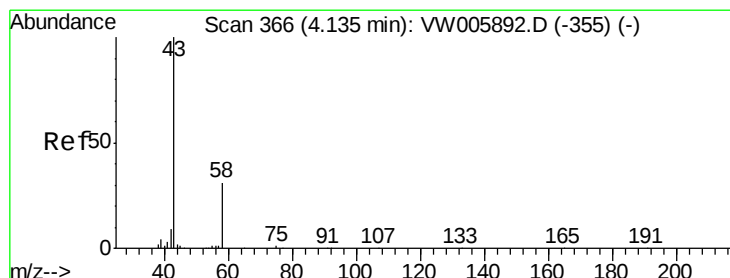
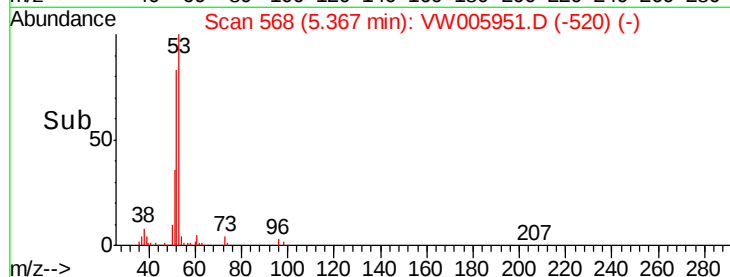
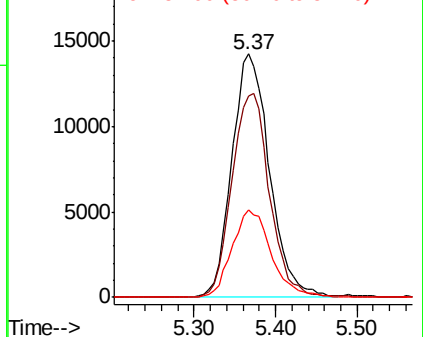
53 100

52 83.8 66.8 100.2

51 37.3 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 95.366 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005951.D

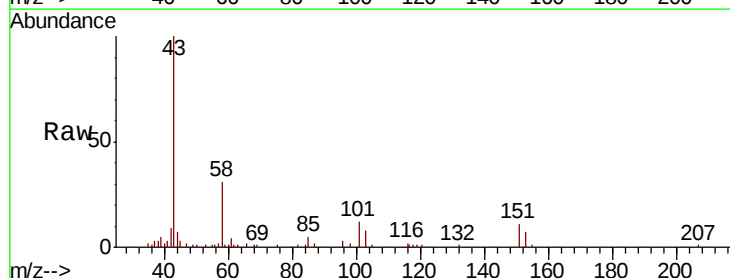
Acq: 09 Oct 2018 21:30

Tgt Ion: 43 Resp: 41238

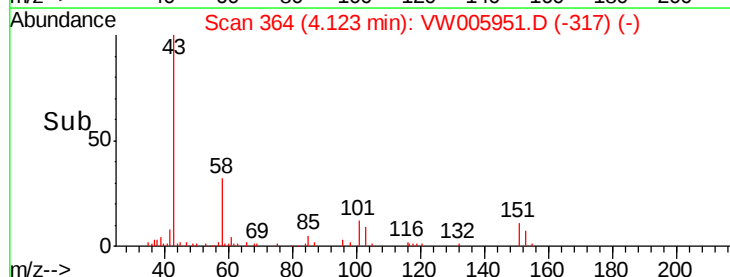
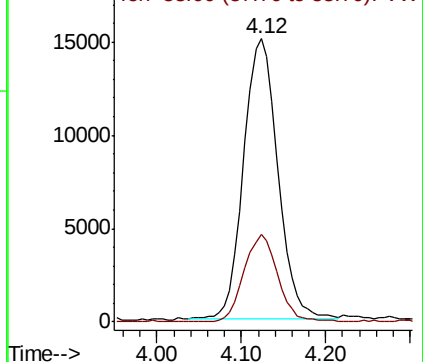
Ion Ratio Lower Upper

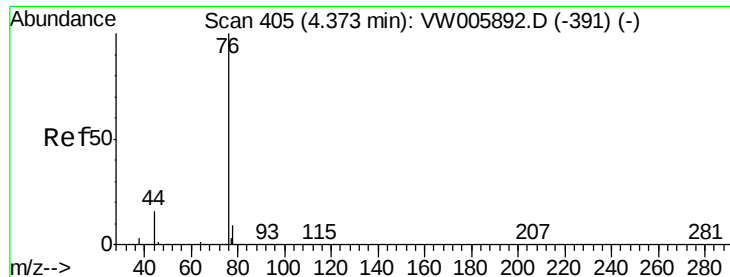
43 100

58 31.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

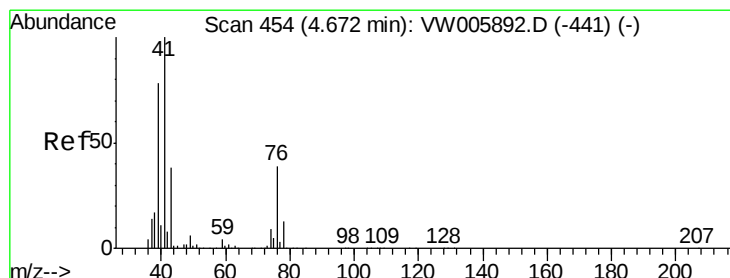
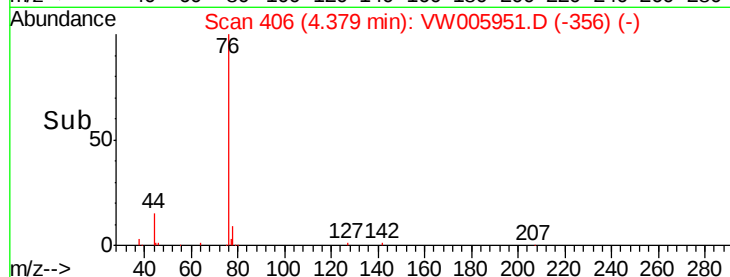
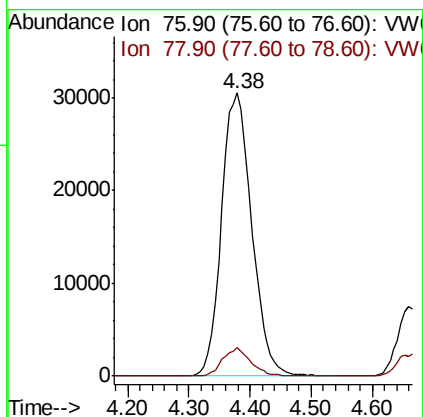
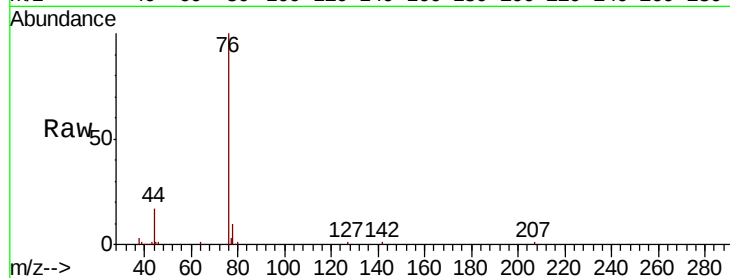




#17
Carbon Disulfide
Concen: 17.593 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

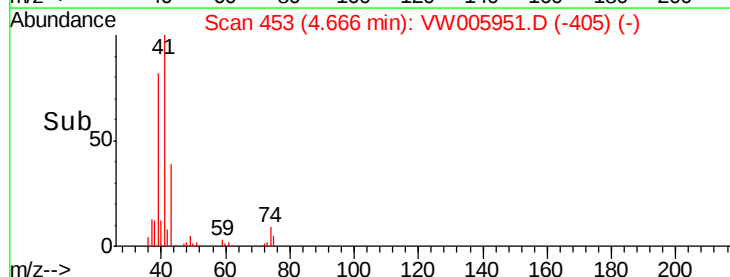
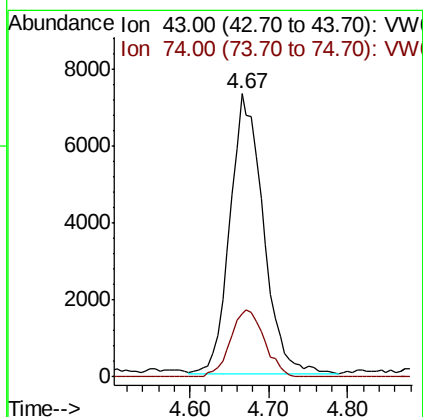
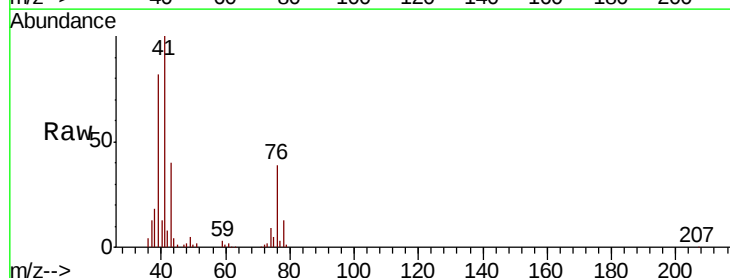
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

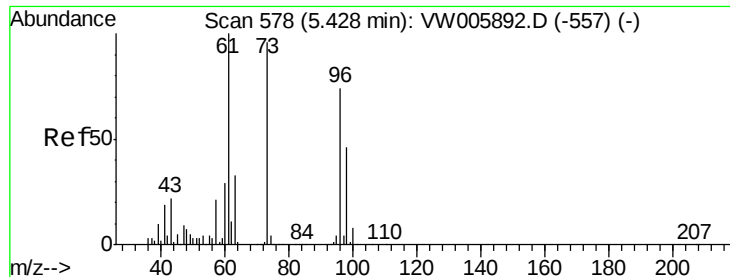
Tgt Ion: 76 Resp: 104412
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#18
Methyl Acetate
Concen: 19.503 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 43 Resp: 21282
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8



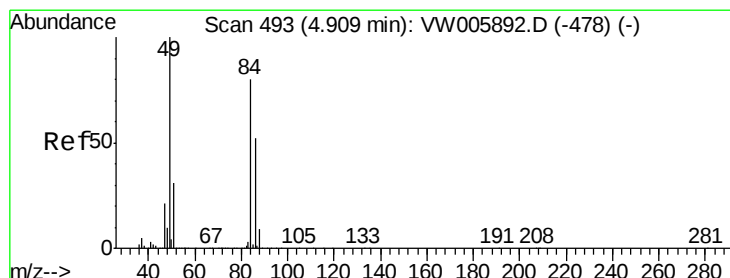
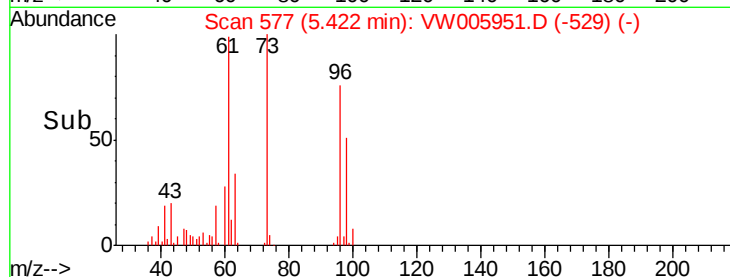
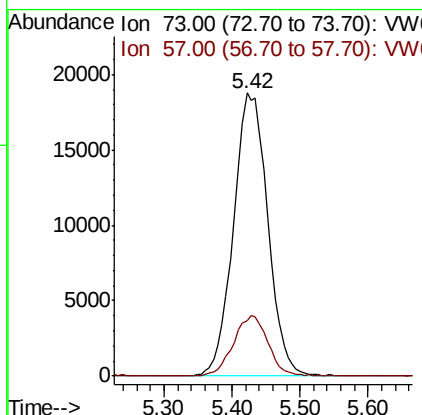
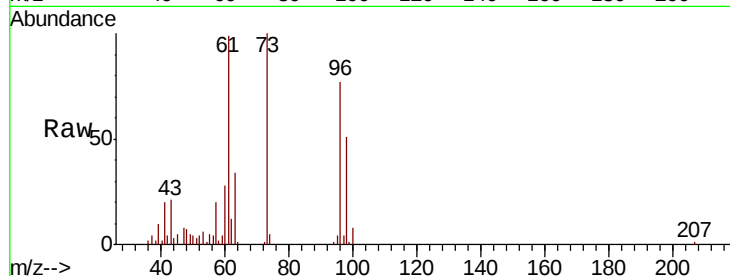


#19

Methyl tert-butyl Ether
 Concen: 21.517 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

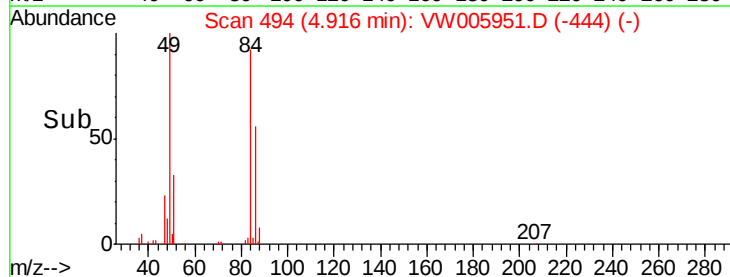
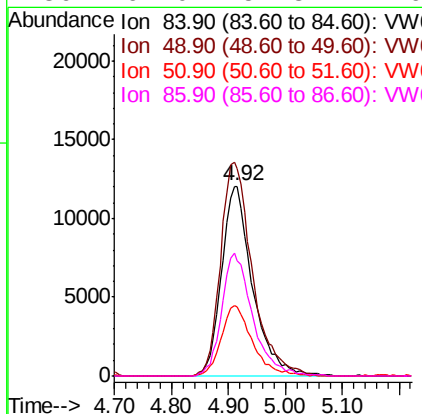
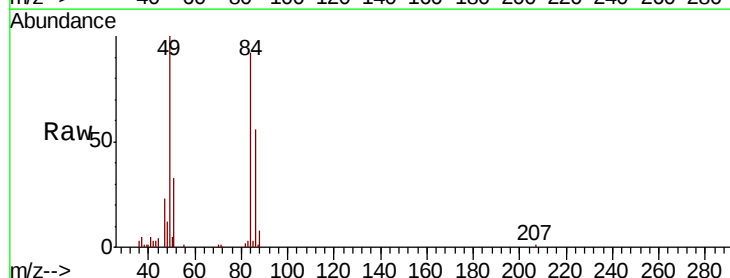
Tgt Ion: 73 Resp: 65717
 Ion Ratio Lower Upper
 73 100
 57 19.7 17.7 26.5

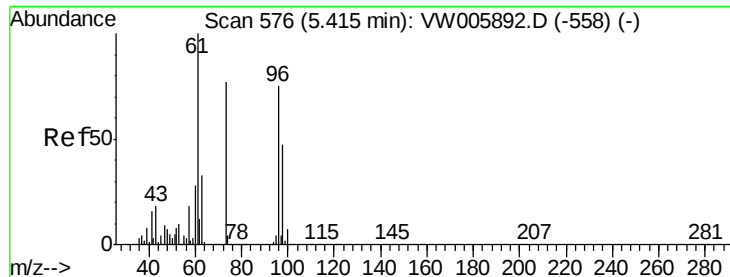


#20

Methylene Chloride
 Concen: 21.083 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 84 Resp: 45675
 Ion Ratio Lower Upper
 84 100
 49 109.2 99.9 149.9
 51 36.6 31.1 46.7
 86 61.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.342 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

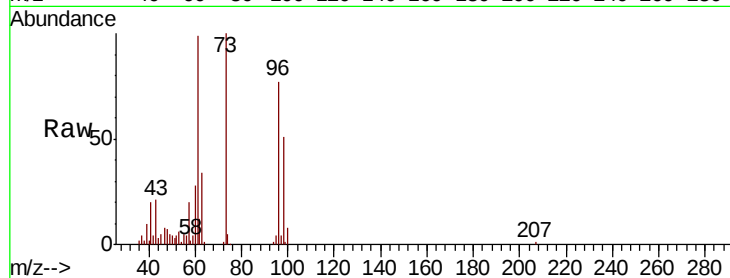
Tgt Ion: 96 Resp: 43524

Ion Ratio Lower Upper

96 100

61 129.6 107.4 161.0

98 67.0 50.8 76.2

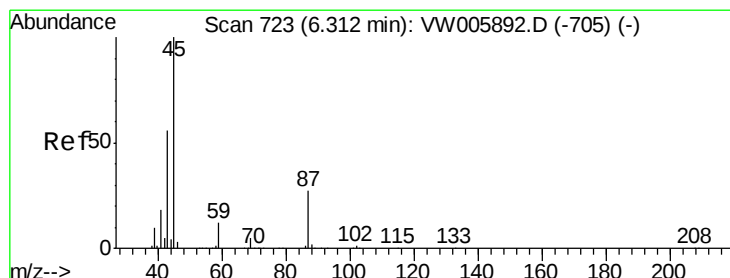
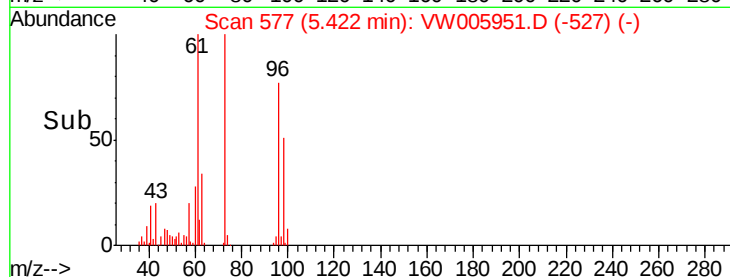
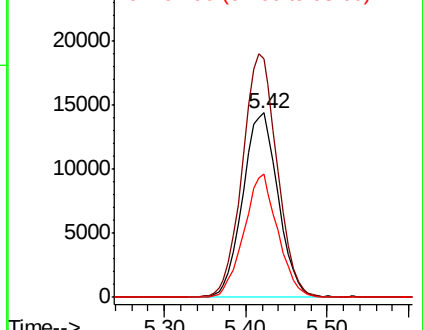


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.205 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Tgt Ion: 45 Resp: 120189

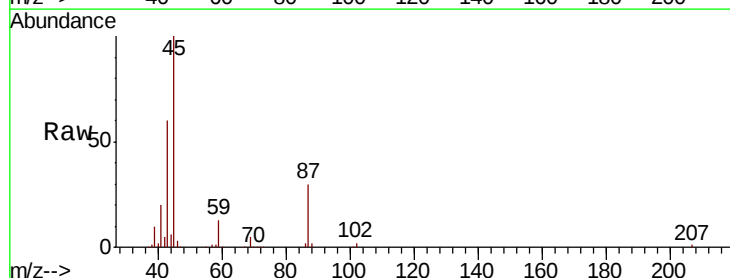
Ion Ratio Lower Upper

45 100

43 59.1 45.9 68.9

87 30.2 22.2 33.4

59 12.9 9.4 14.0



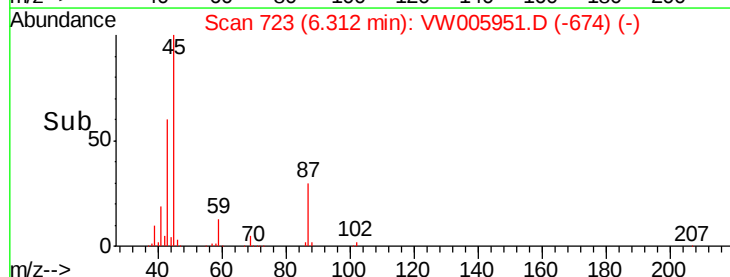
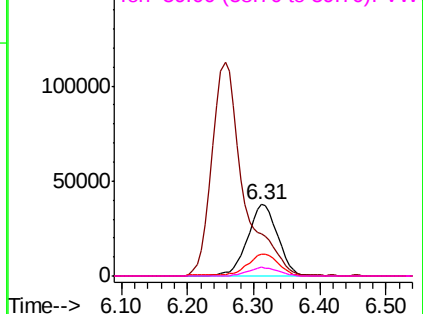
Abundance

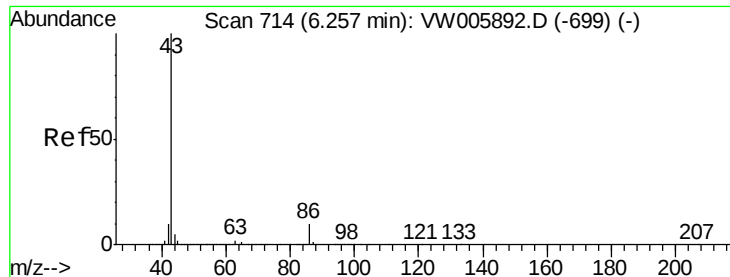
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 96.503 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

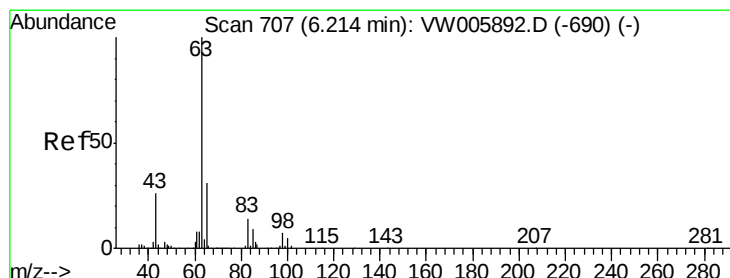
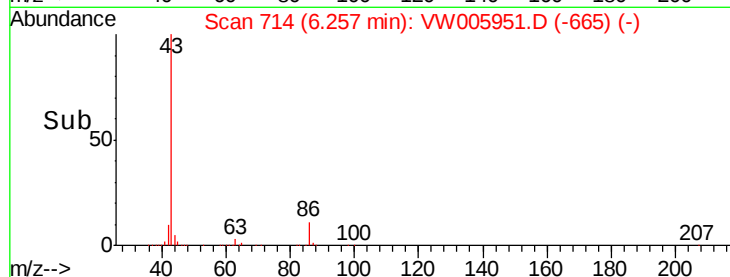
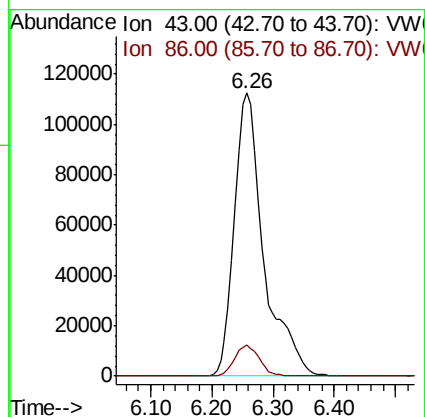
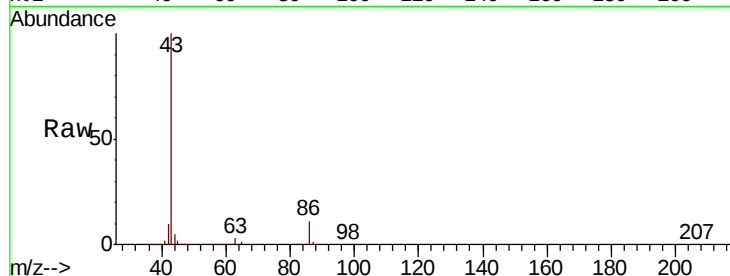
VW1010SBSD01

Tgt Ion: 43 Resp: 371715

Ion Ratio Lower Upper

43 100

86 11.0 8.2 12.4



#24

1,1-Dichloroethane

Concen: 19.899 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

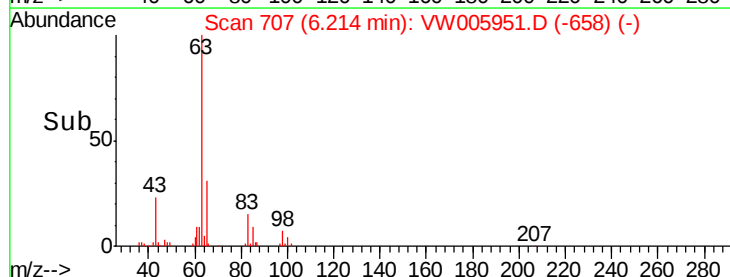
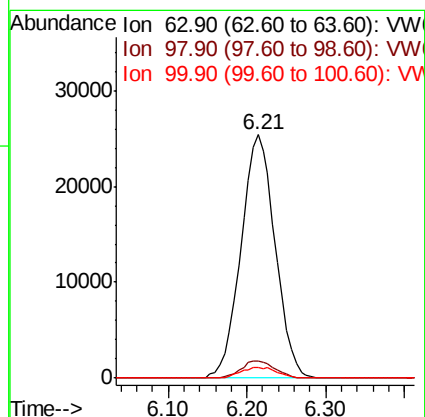
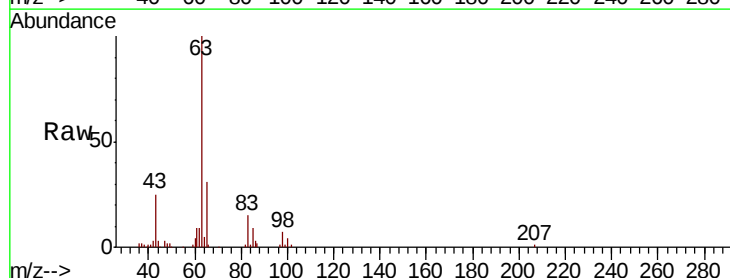
Tgt Ion: 63 Resp: 76210

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 101.147 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleID :

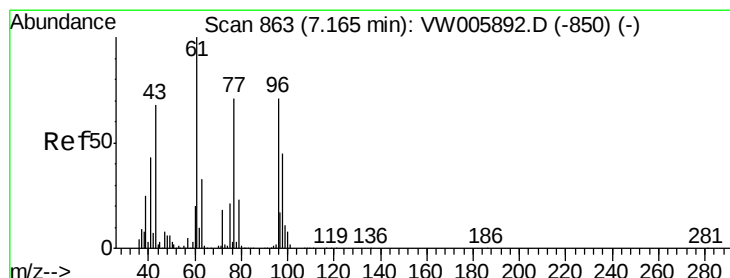
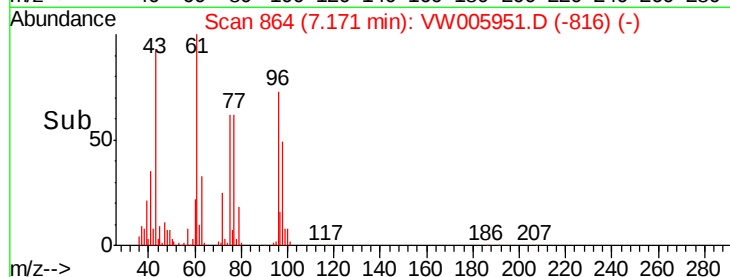
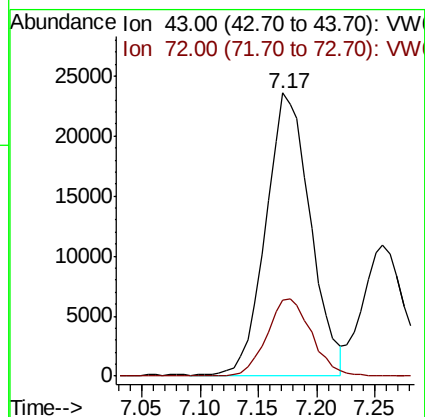
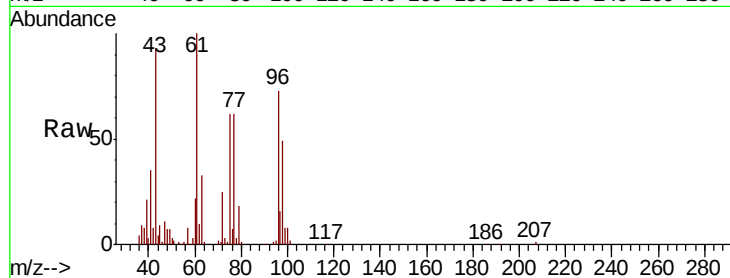
VW1010SBSD01

Tgt Ion: 43 Resp: 62209

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.446 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW005951.D

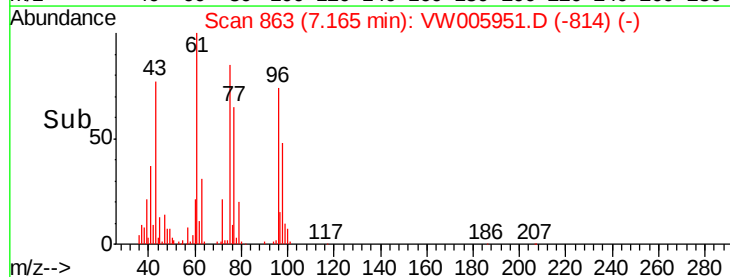
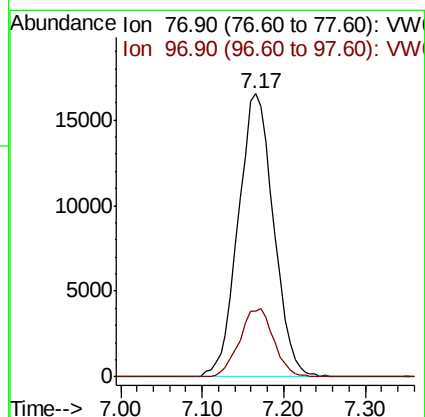
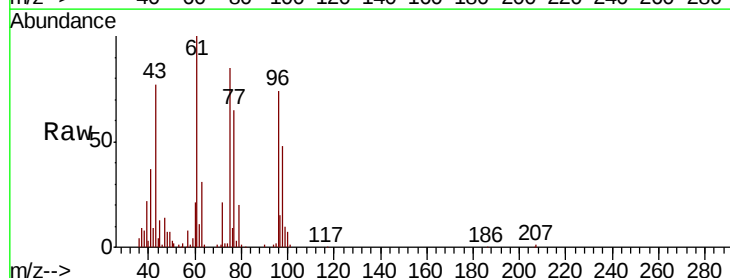
Acq: 09 Oct 2018 21:30

Tgt Ion: 77 Resp: 49717

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.7



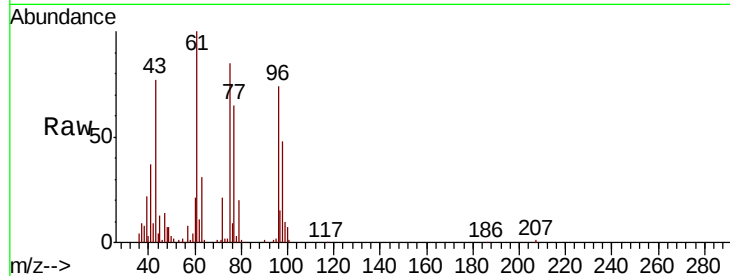


#27

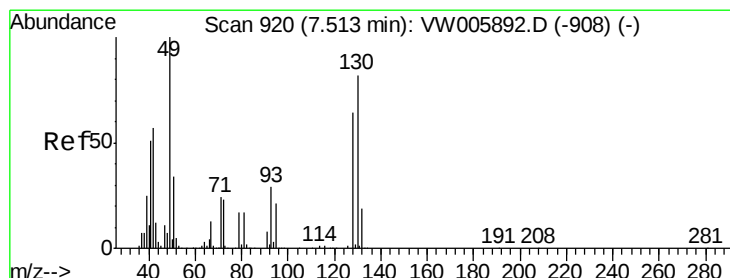
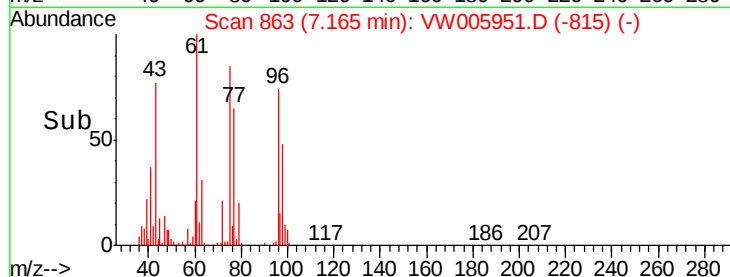
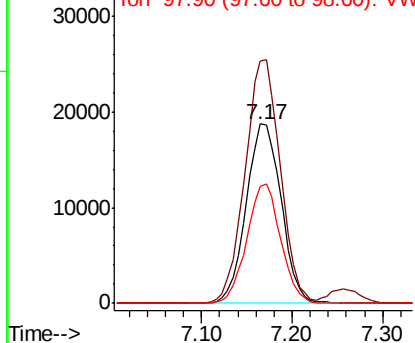
cis-1,2-Dichloroethene
 Concen: 20.732 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion: 96 Resp: 50165
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 284.0
 98 64.2 0.0 129.8



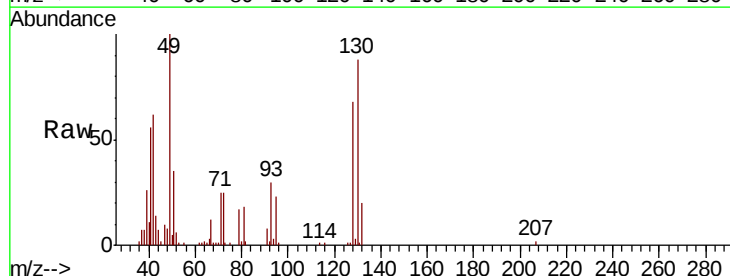
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



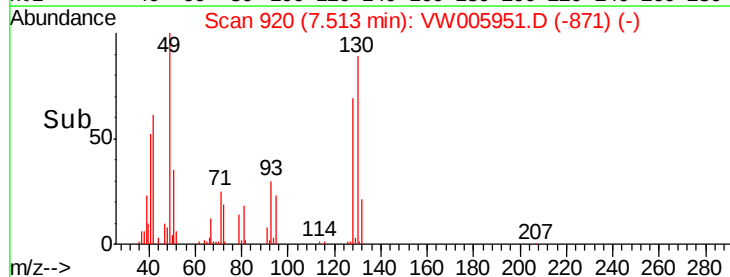
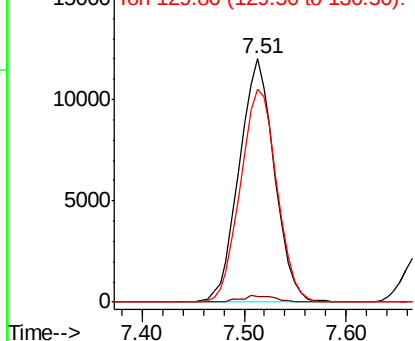
#28

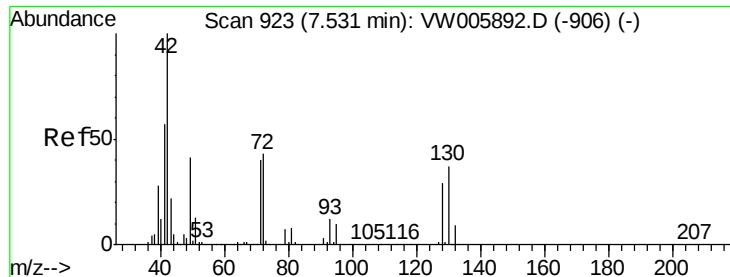
Bromochloromethane
 Concen: 20.417 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 49 Resp: 28862
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.0
 130 90.3 66.9 100.3



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

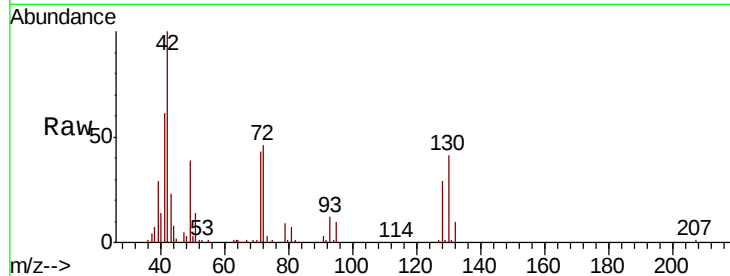




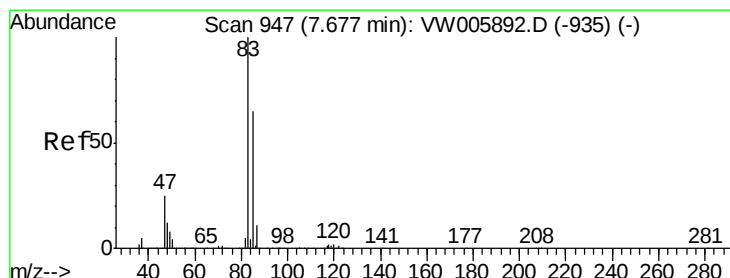
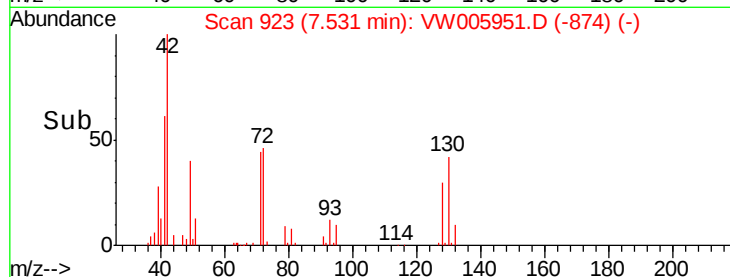
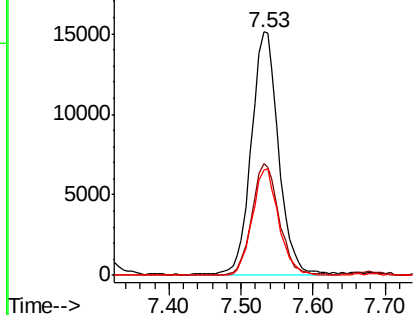
#29
Tetrahydrofuran
Concen: 103.315 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

Tgt Ion: 42 Resp: 40168
Ion Ratio Lower Upper
42 100
72 45.4 34.6 51.8
71 41.8 32.6 49.0

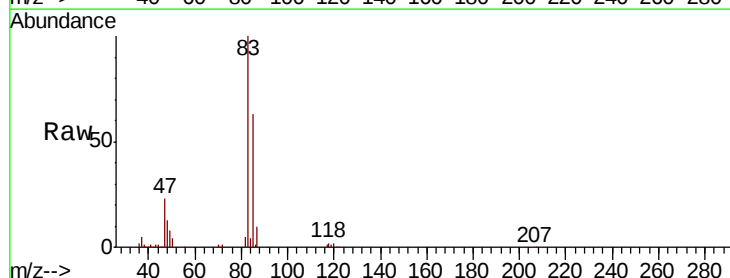


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

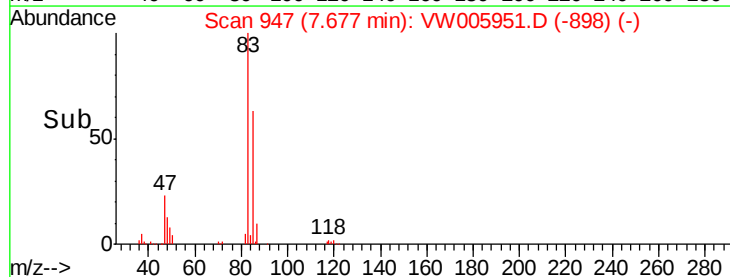
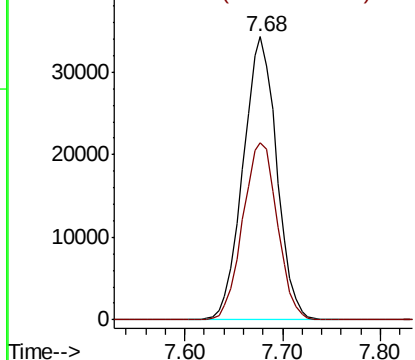


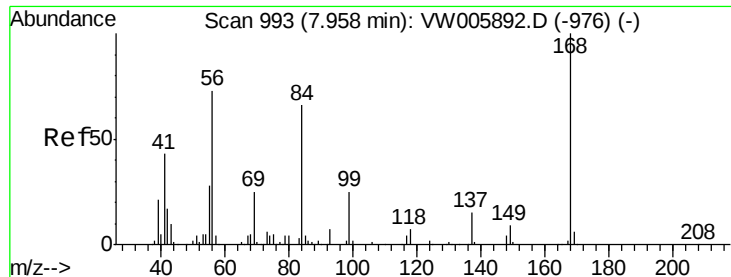
#30
Chloroform
Concen: 20.779 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 83 Resp: 81740
Ion Ratio Lower Upper
83 100
85 62.7 51.6 77.4



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

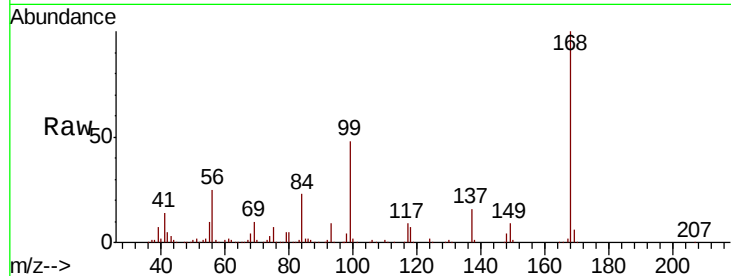




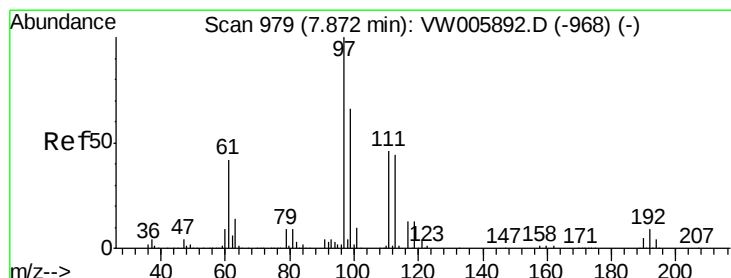
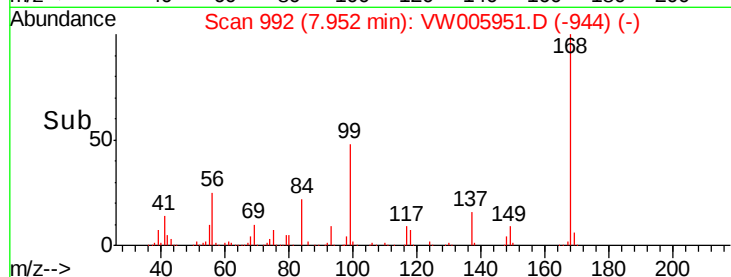
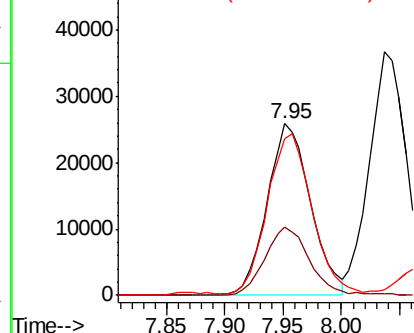
#31
Cyclohexane
Concen: 17.711 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

Tgt Ion: 56 Resp: 67124
Ion Ratio Lower Upper
56 100
69 39.5 27.9 41.9
84 89.2 72.3 108.5

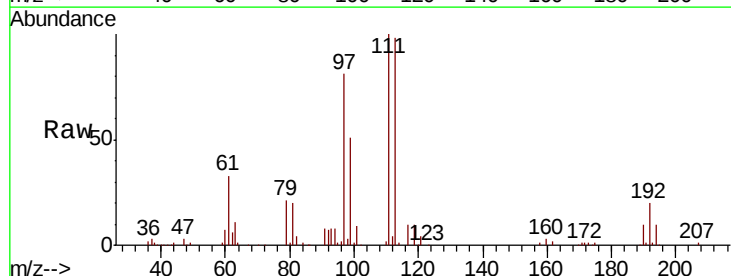


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

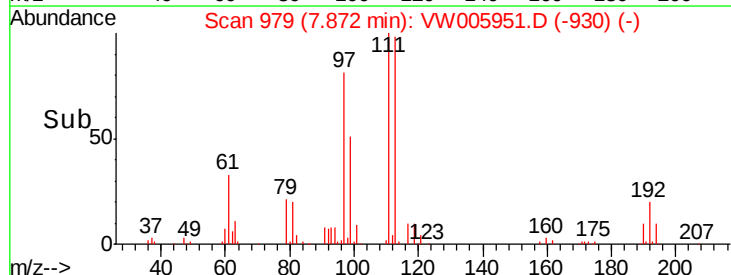
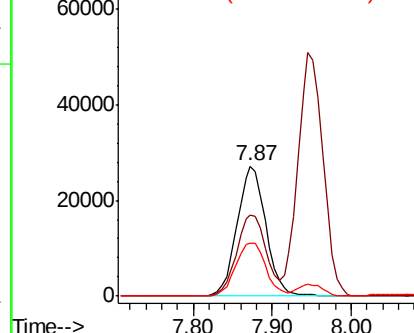


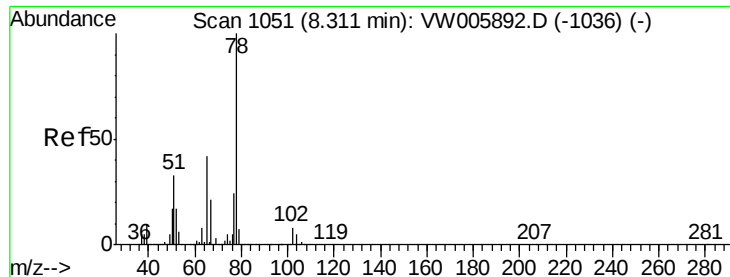
#32
1,1,1-Trichloroethane
Concen: 19.653 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 97 Resp: 68848
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 43.1 34.5 51.7



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





#33

1,2-Dichloroethane-d4

Concen: 50.235 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

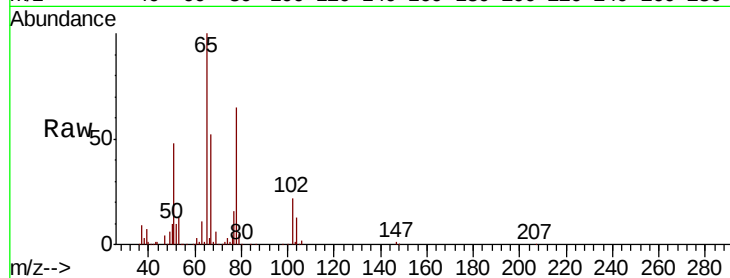
VW1010SBSD01

Tgt Ion: 65 Resp: 108753

Ion Ratio Lower Upper

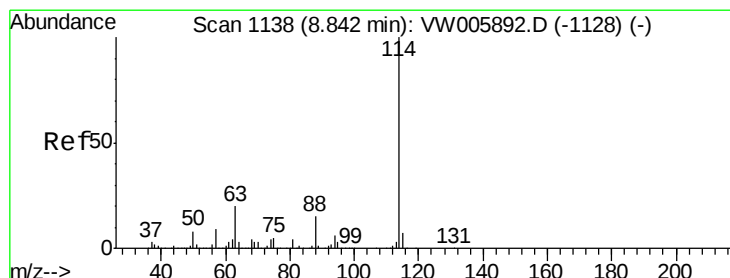
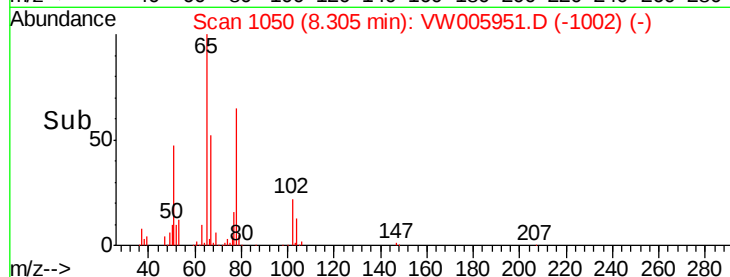
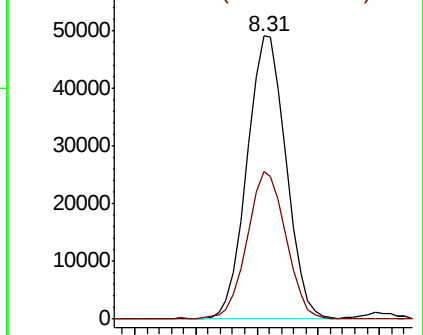
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

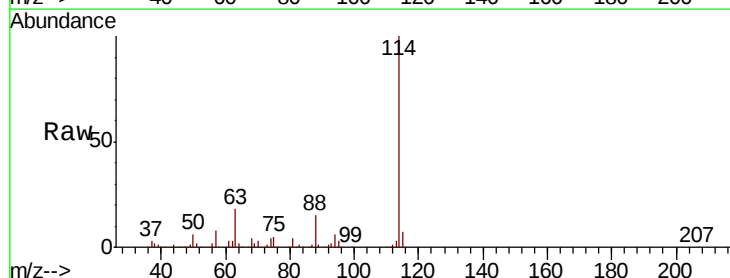
Tgt Ion: 114 Resp: 334393

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.2

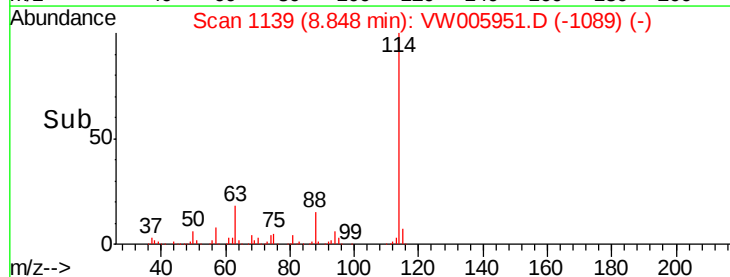
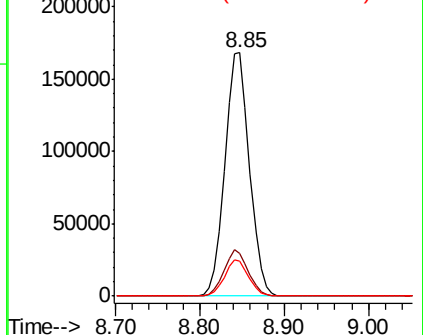
88 14.5 0.0 30.8

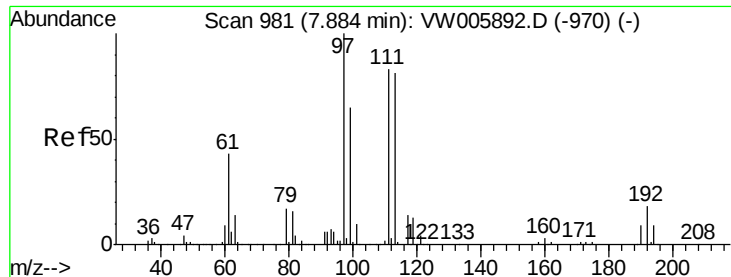


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

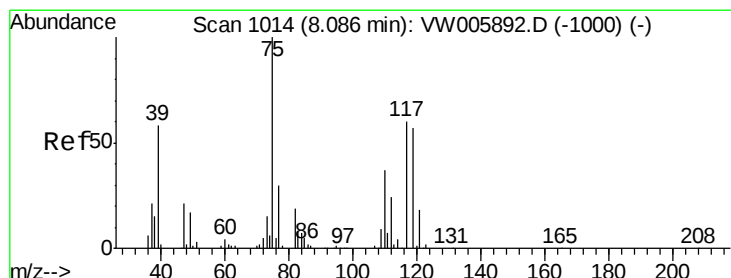
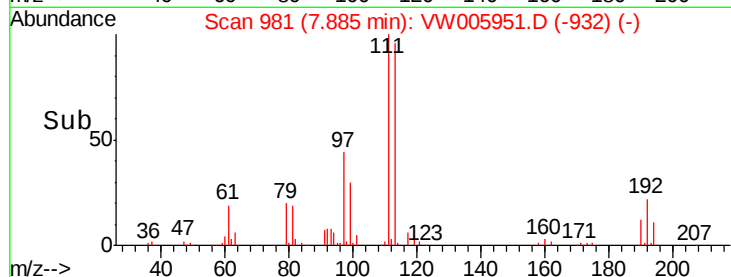
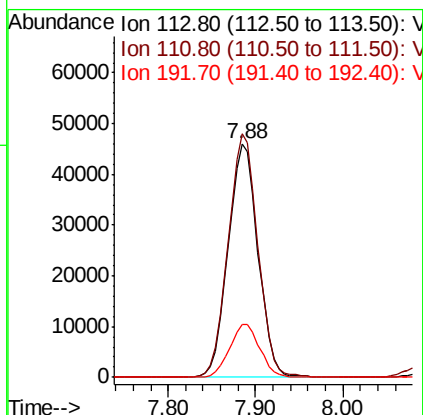
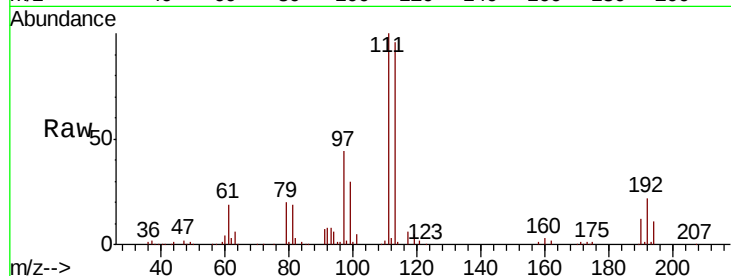




#35
 Dibromofluoromethane
 Concen: 50.989 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

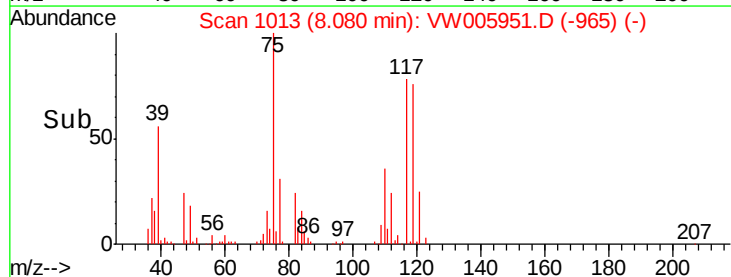
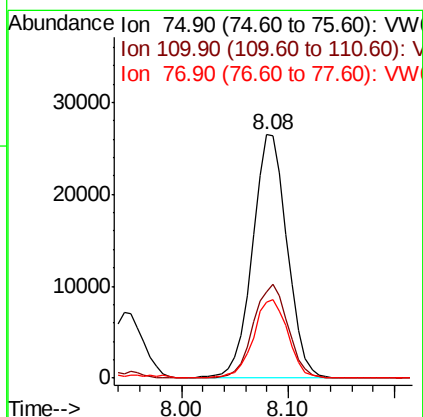
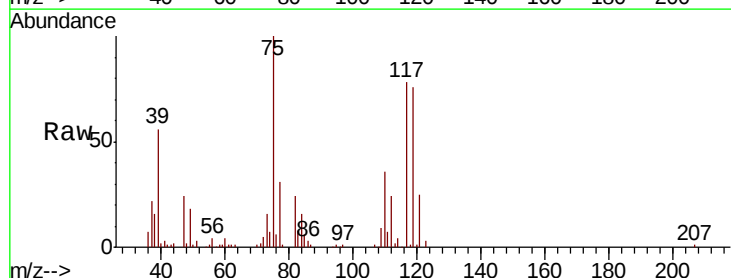
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion: 113 Resp: 108860
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.0 123.0
 192 22.8 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 18.914 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 75 Resp: 60602
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.6 56.0
 77 32.2 24.7 37.1

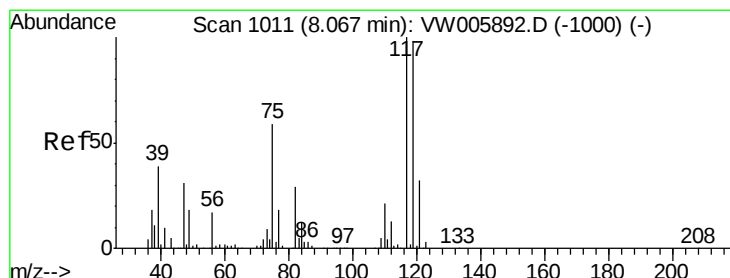
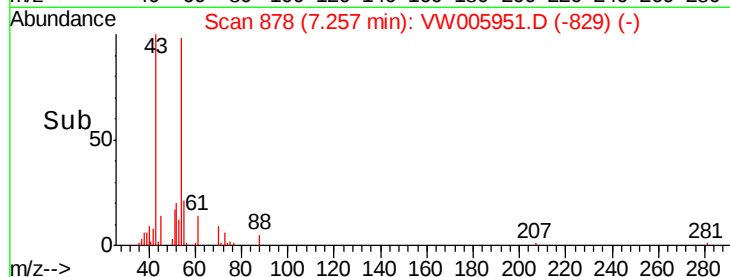
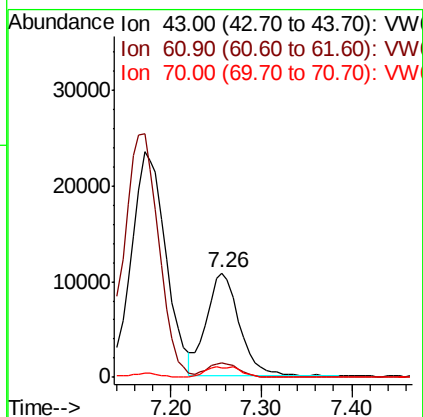
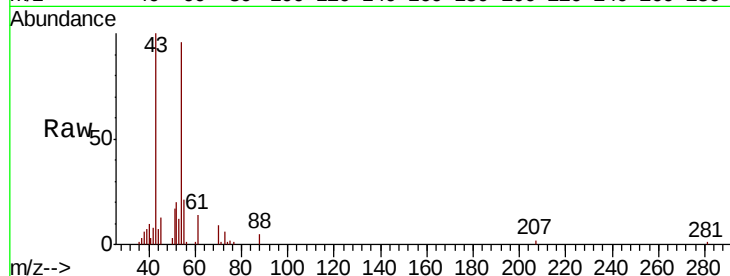




#37
Ethyl Acetate
Concen: 20.351 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

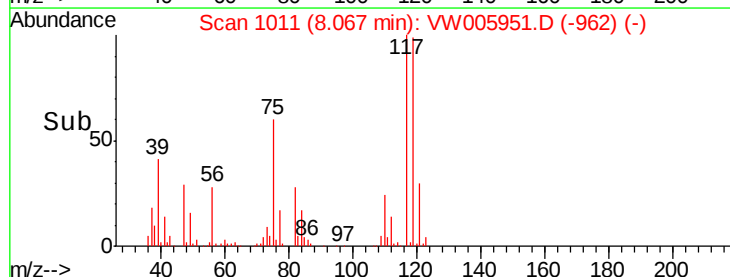
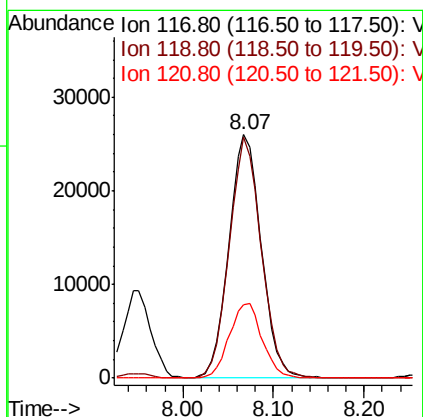
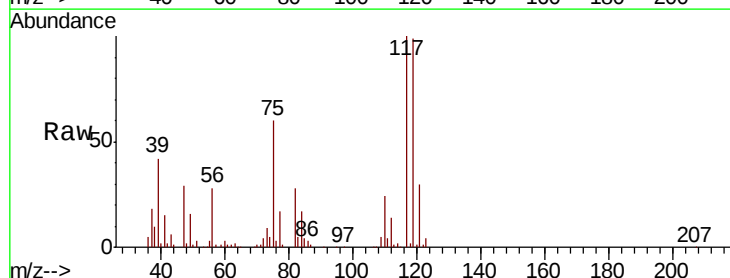
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

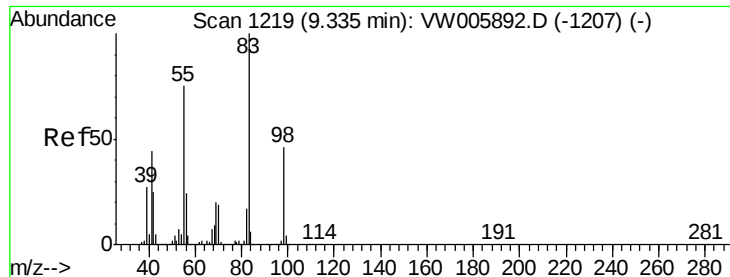
Tgt Ion: 43 Resp: 27614
Ion Ratio Lower Upper
43 100
61 13.7 10.6 16.0
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.716 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 117 Resp: 64429
Ion Ratio Lower Upper
117 100
119 98.9 78.6 117.8
121 30.2 25.3 37.9

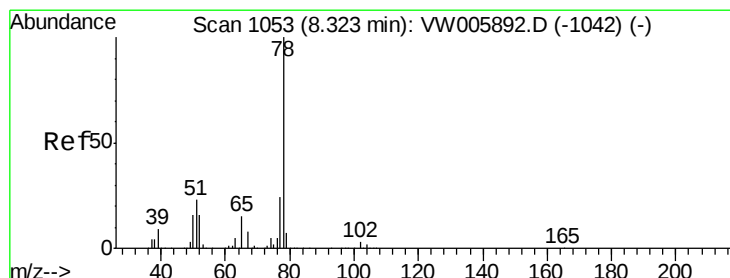
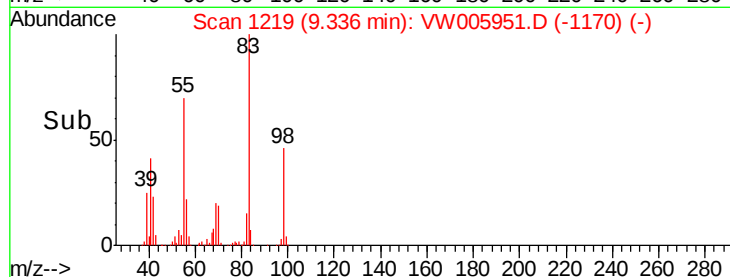
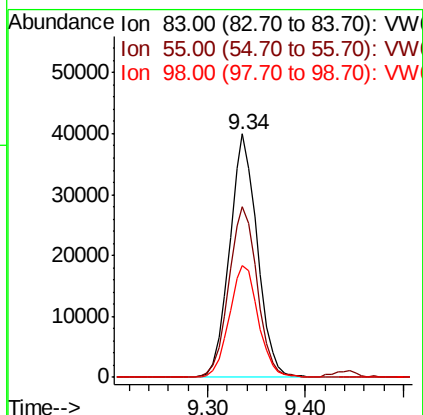
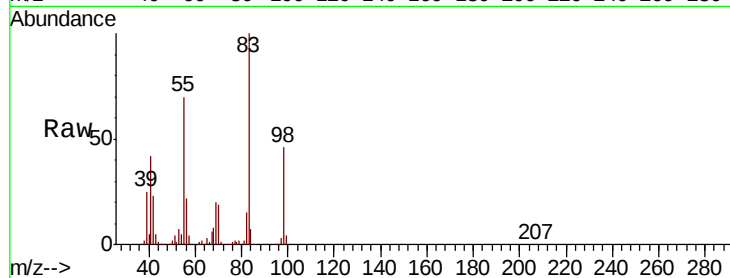




#39
Methylcyclohexane
Concen: 18.567 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

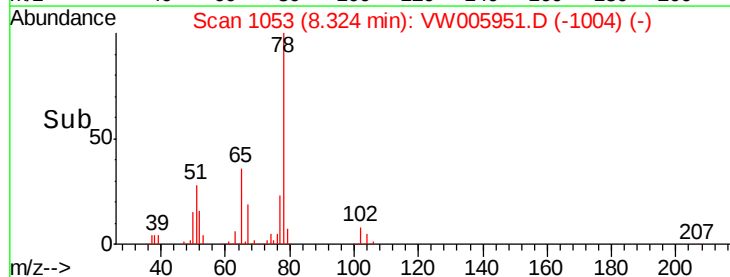
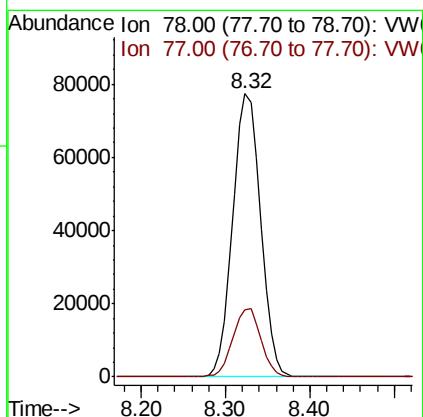
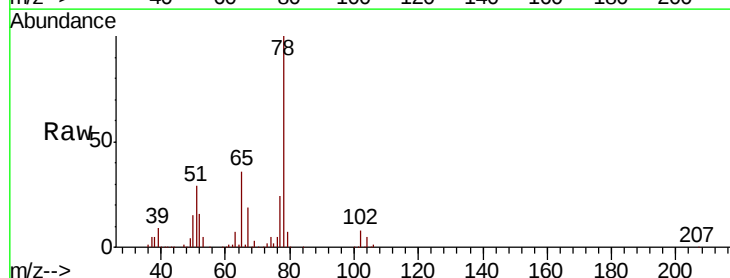
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

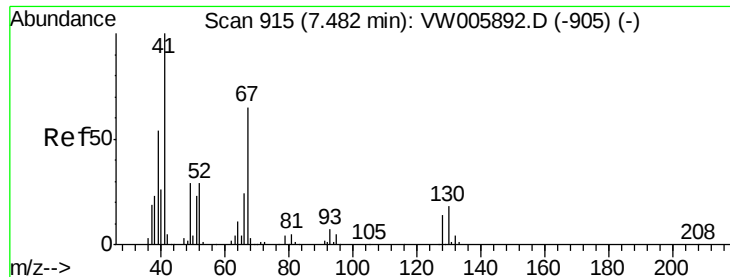
Tgt Ion: 83 Resp: 78465
Ion Ratio Lower Upper
83 100
55 70.1 59.8 89.6
98 46.0 37.1 55.7



#40
Benzene
Concen: 19.680 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 78 Resp: 172588
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 16.997 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

Tgt Ion: 41 Resp: 14439

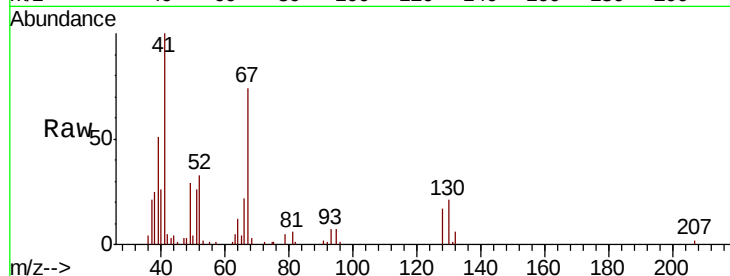
Ion Ratio Lower Upper

41 100

39 63.2 45.0 67.4

67 85.7 55.8 83.8#

52 37.4 25.3 37.9

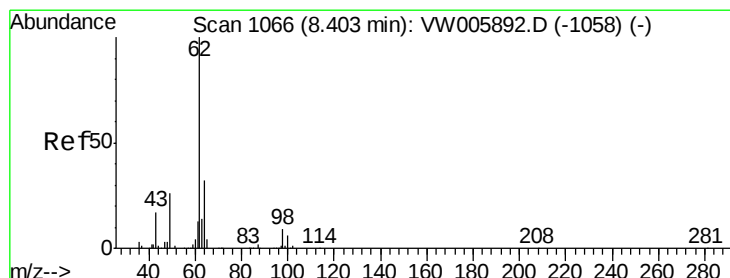
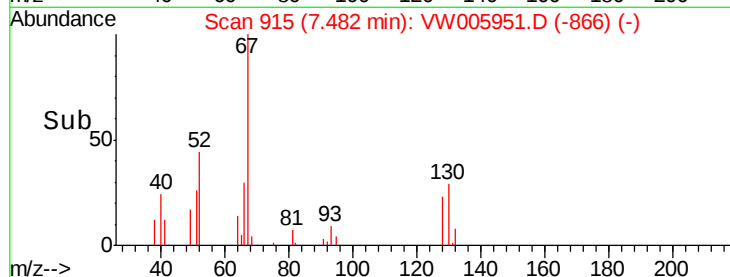
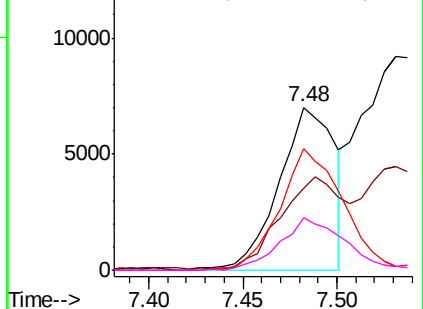


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.868 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005951.D

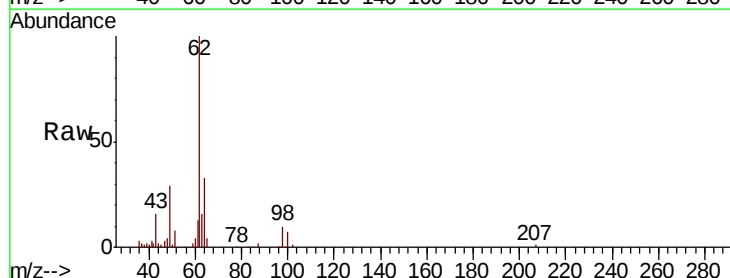
Acq: 09 Oct 2018 21:30

Tgt Ion: 62 Resp: 52639

Ion Ratio Lower Upper

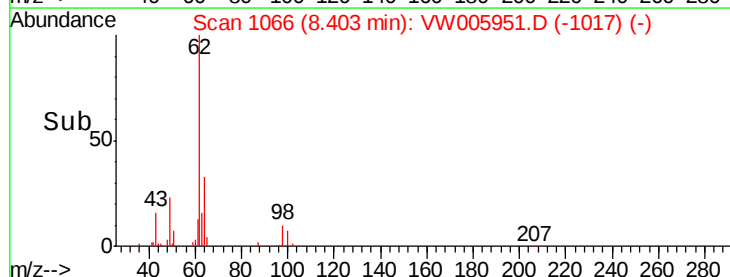
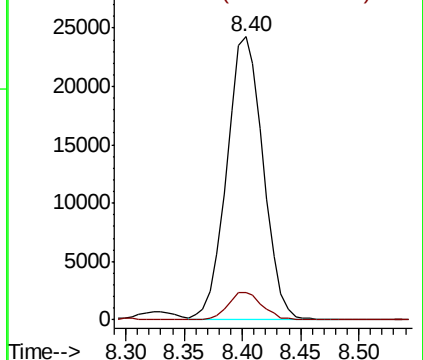
62 100

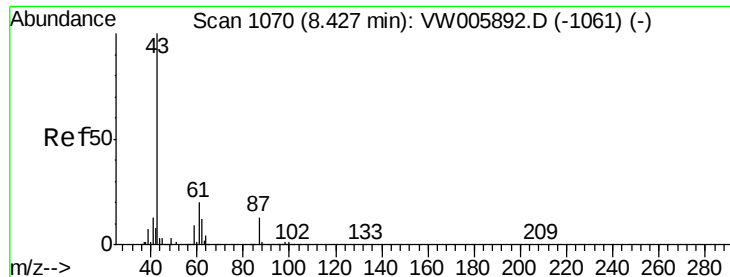
98 9.3 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.281 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

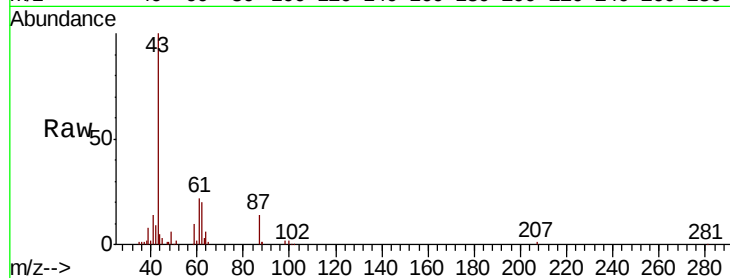
Tgt Ion: 43 Resp: 54649

Ion Ratio Lower Upper

43 100

61 29.3 23.1 34.7

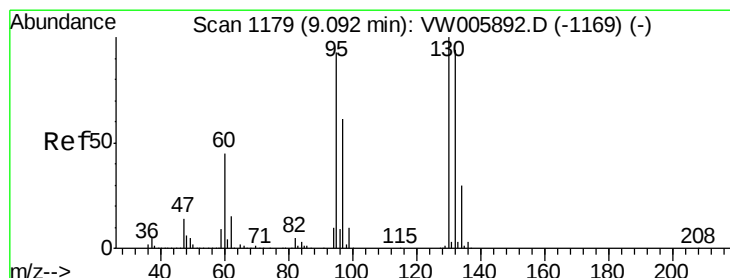
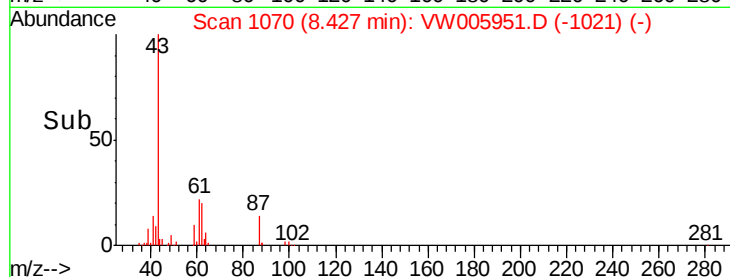
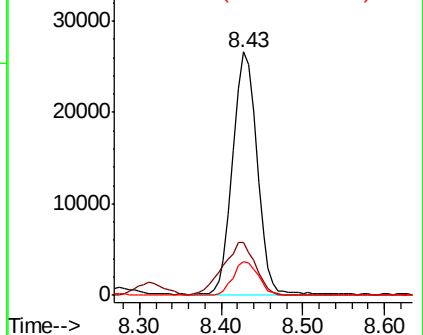
87 14.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.447 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005951.D

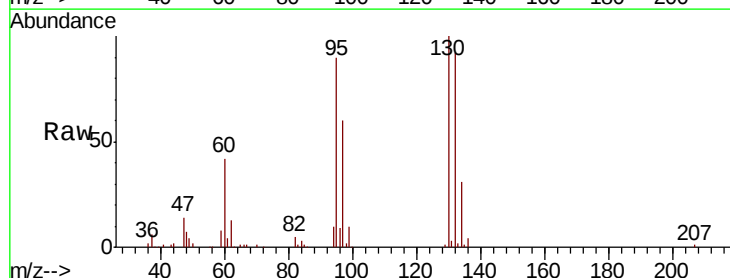
Acq: 09 Oct 2018 21:30

Tgt Ion: 130 Resp: 52025

Ion Ratio Lower Upper

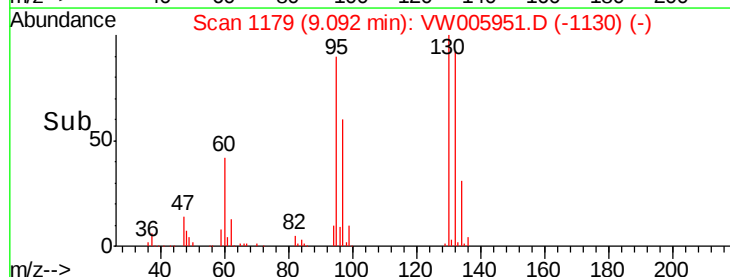
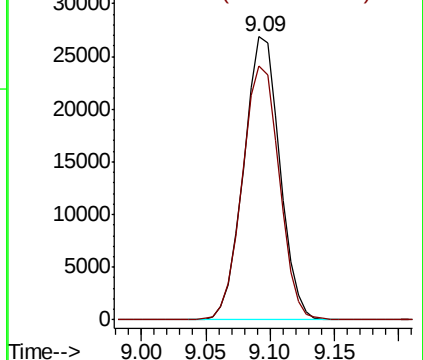
130 100

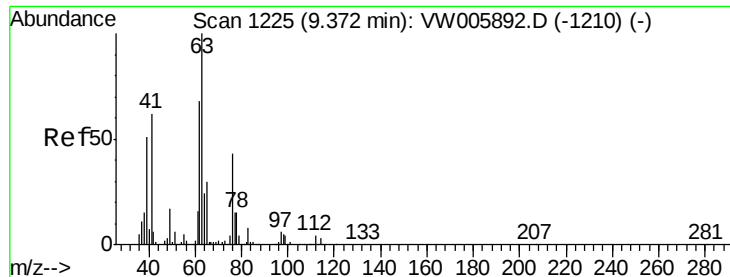
95 89.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

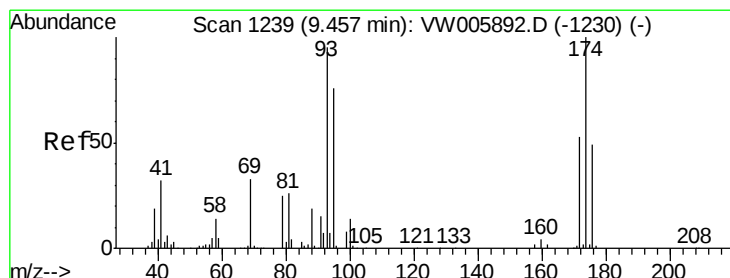
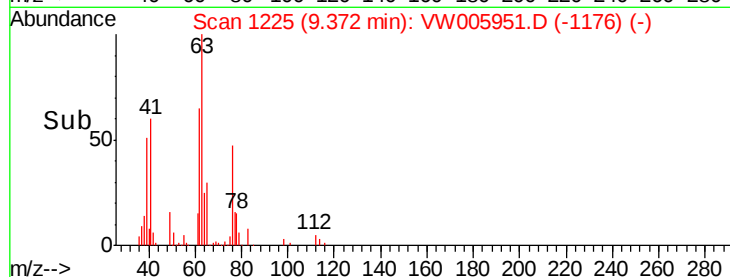
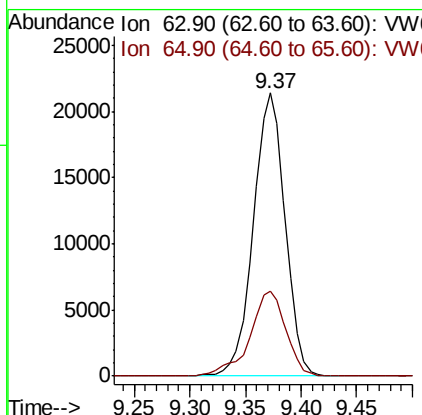
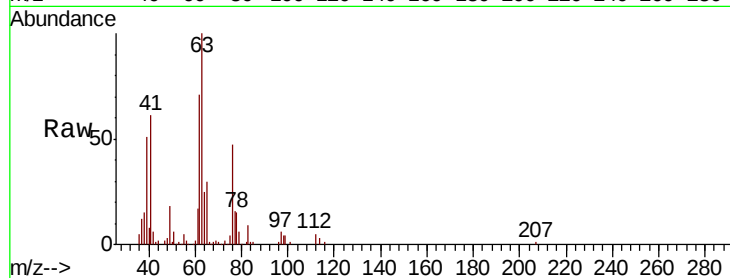




#45
 1,2-Dichloropropane
 Concen: 19.331 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

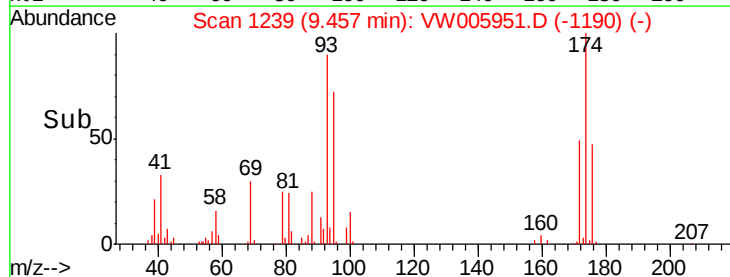
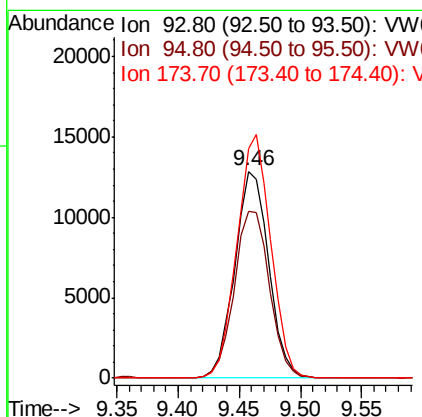
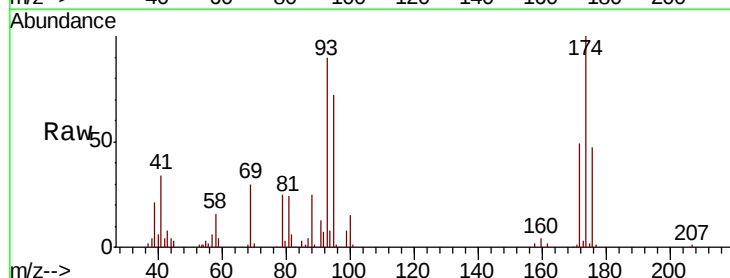
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion: 63 Resp: 42435
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.3 36.5



#46
 Dibromomethane
 Concen: 20.559 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 93 Resp: 24803
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 99.8
 174 117.0 90.4 135.6





#47

Bromodichloromethane

Concen: 19.273 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

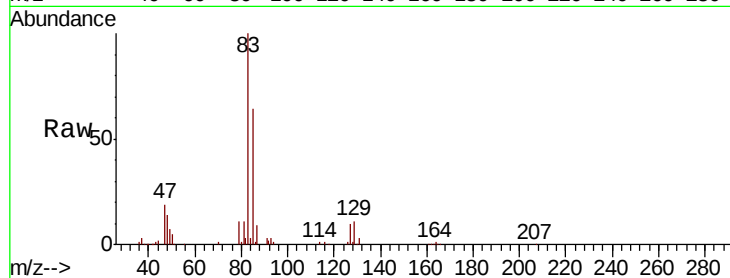
Tgt Ion: 83 Resp: 58512

Ion Ratio Lower Upper

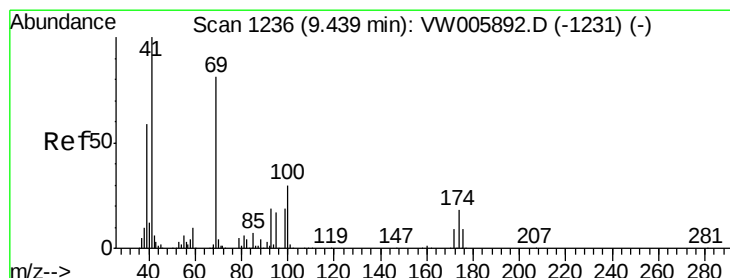
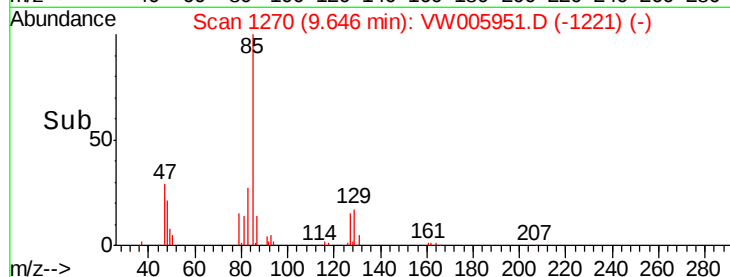
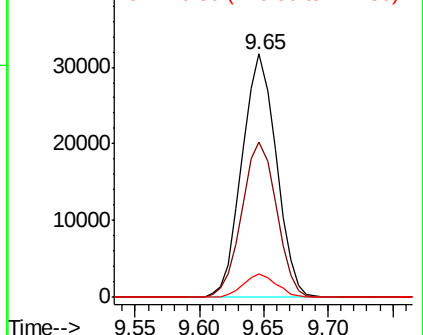
83 100

85 63.7 53.0 79.6

127 9.6 7.4 11.0



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



#48

Methyl methacrylate

Concen: 18.810 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

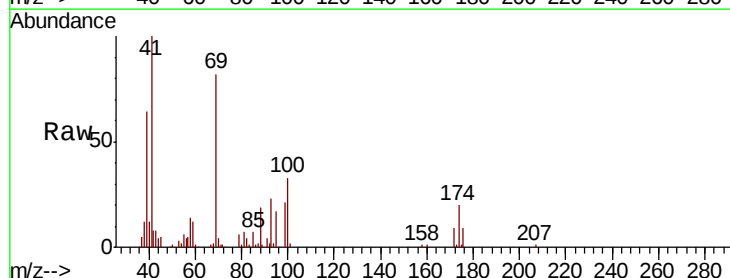
Tgt Ion: 41 Resp: 25397

Ion Ratio Lower Upper

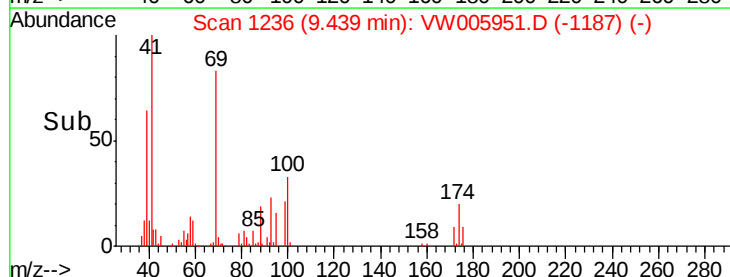
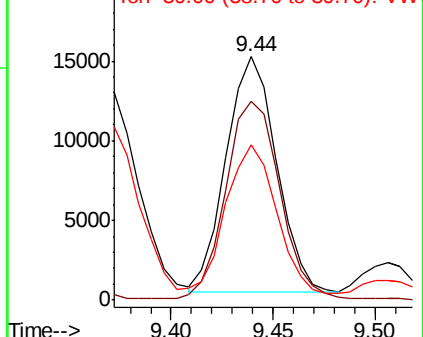
41 100

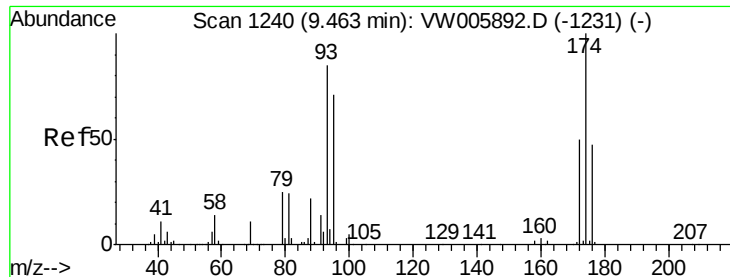
69 92.1 68.7 103.1

39 69.3 50.0 75.0



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





#49

1,4-Dioxane

Concen: 471.254 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

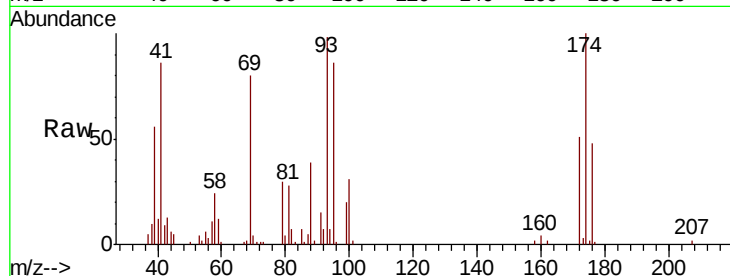
Tgt Ion: 88 Resp: 8636

Ion Ratio Lower Upper

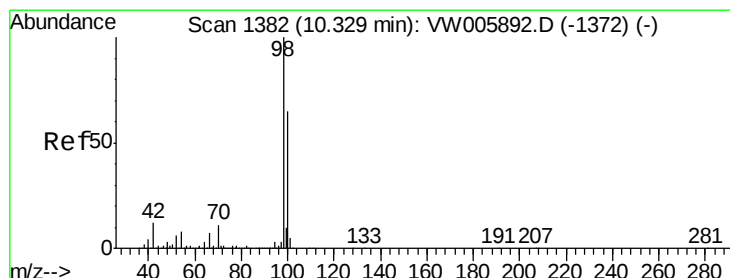
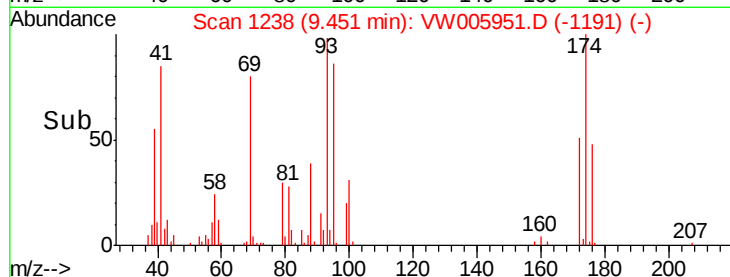
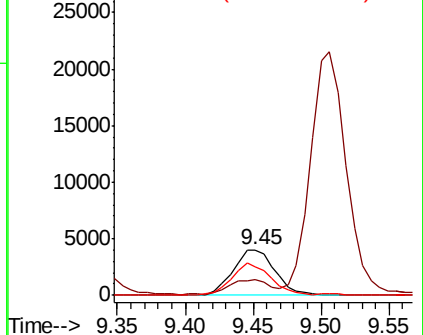
88 100

43 30.7 0.0 0.0#

58 65.9 57.7 86.5



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.739 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW005951.D

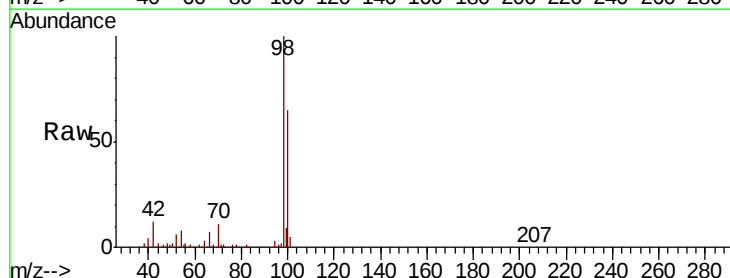
Acq: 09 Oct 2018 21:30

Tgt Ion: 98 Resp: 416773

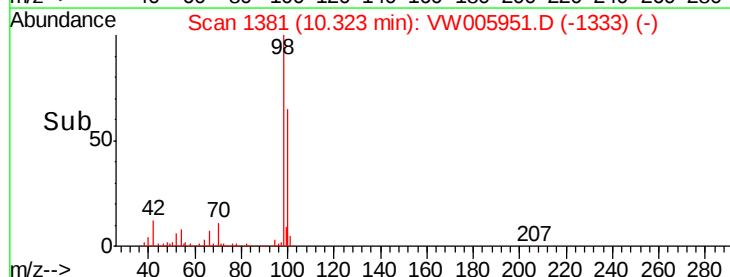
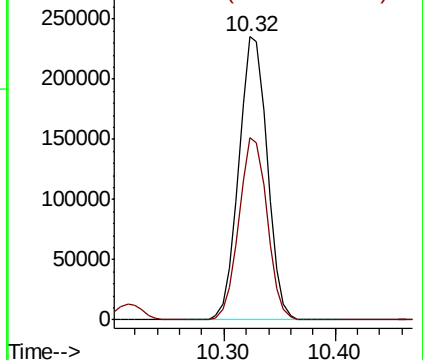
Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

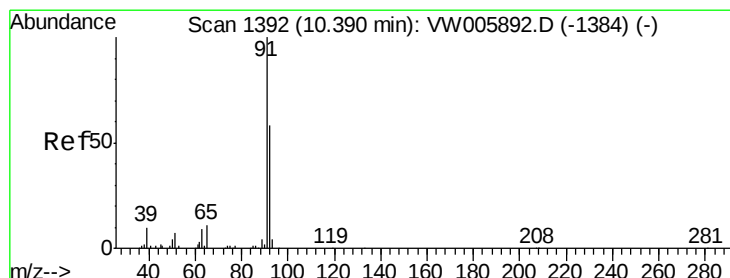
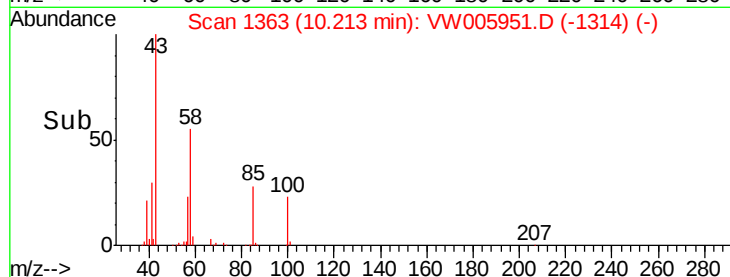
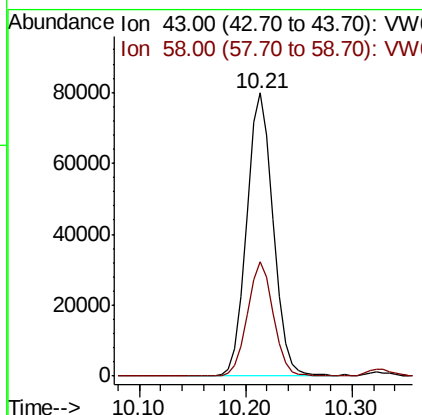
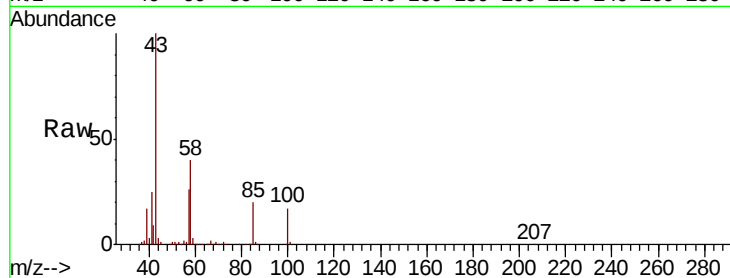




#51
 4-Methyl-2-Pentanone
 Concen: 100.935 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

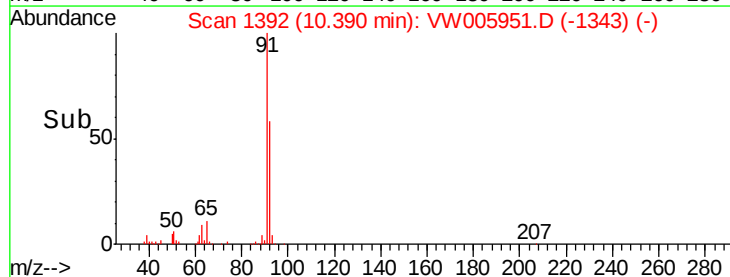
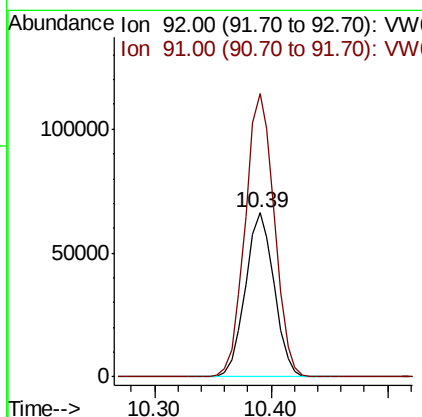
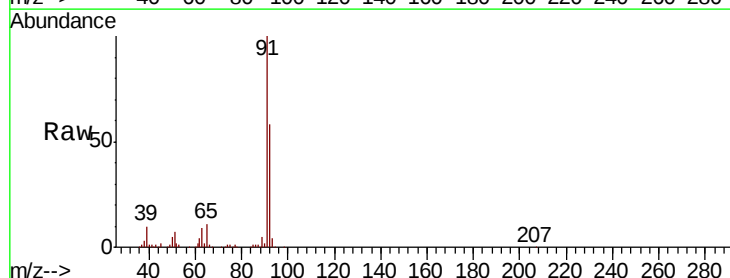
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

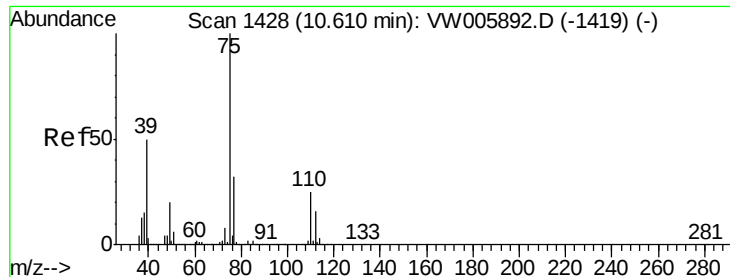
Tgt Ion: 43 Resp: 139314
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.2 45.4



#52
 Toluene
 Concen: 19.862 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 92 Resp: 114427
 Ion Ratio Lower Upper
 92 100
 91 175.0 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 18.451 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

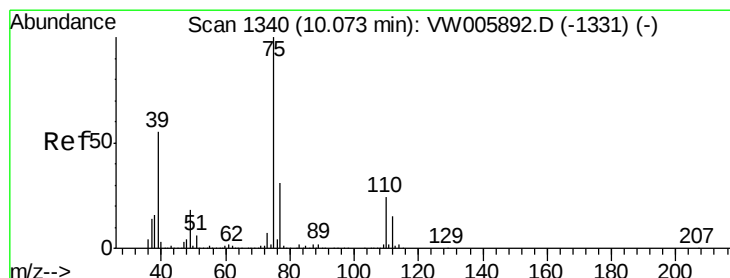
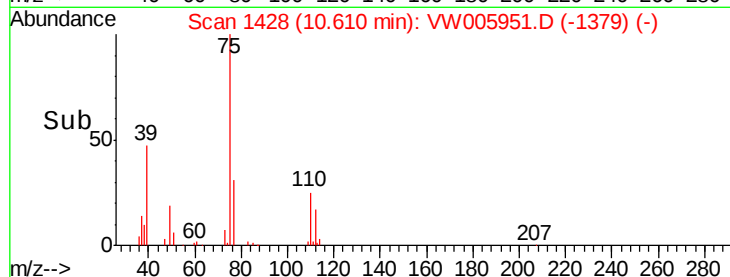
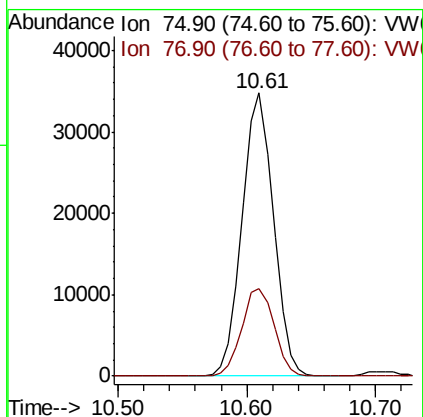
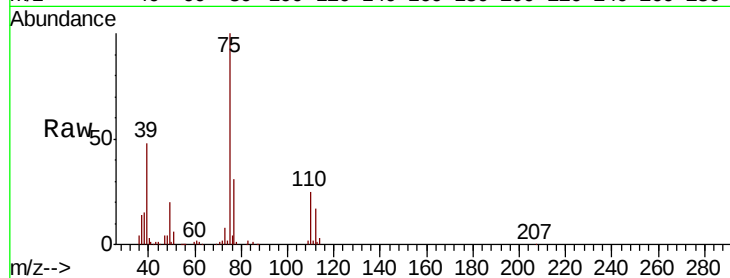
VW1010SBSD01

Tgt Ion: 75 Resp: 58539

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.808 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

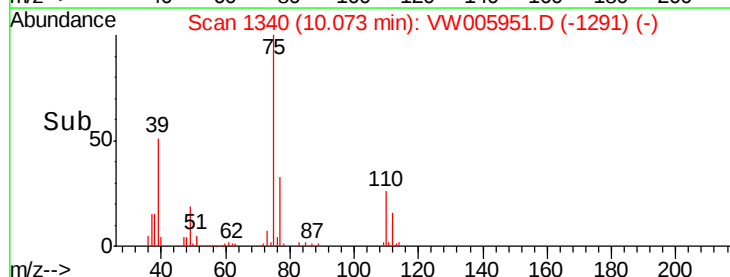
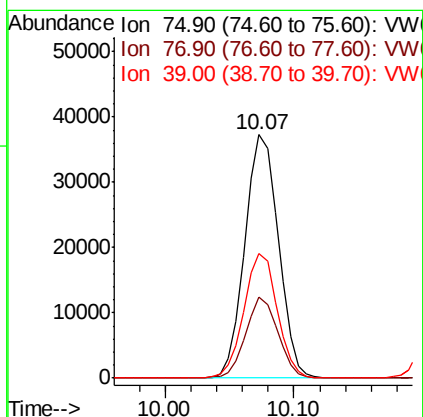
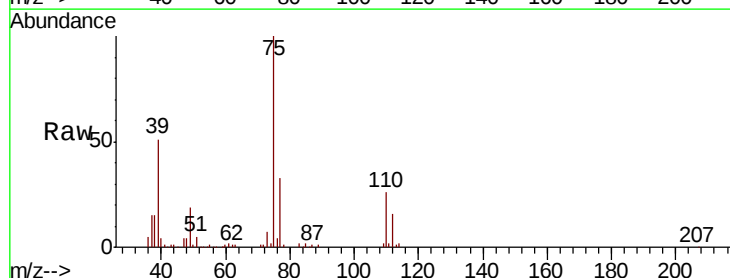
Tgt Ion: 75 Resp: 67076

Ion Ratio Lower Upper

75 100

77 33.3 24.6 37.0

39 50.8 44.2 66.4

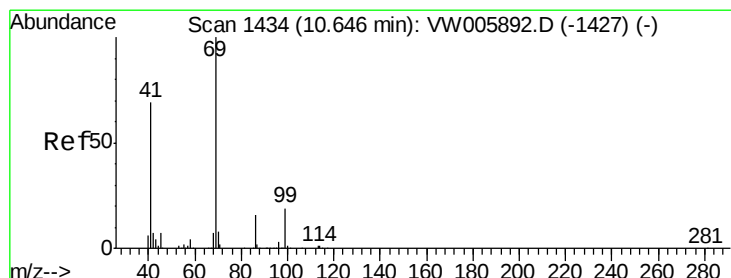
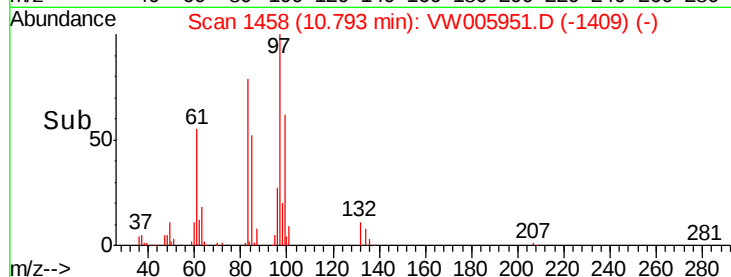
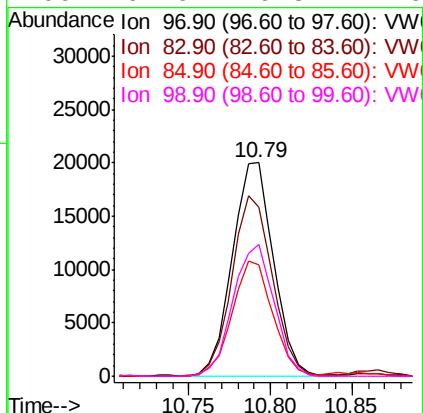
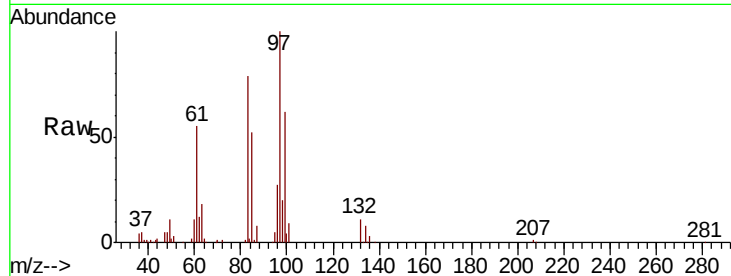




#55
 1,1,2-Trichloroethane
 Concen: 21.111 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

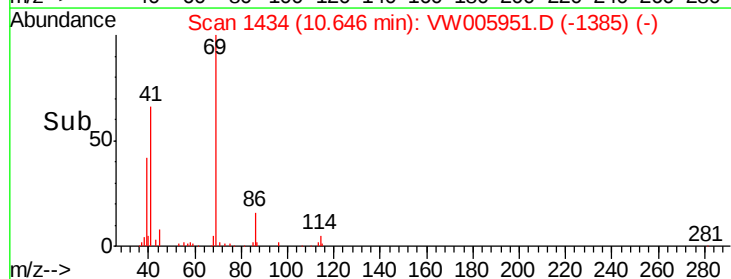
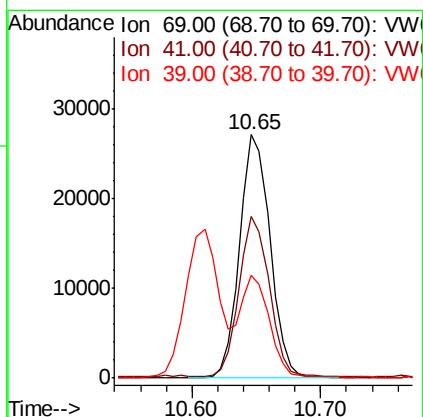
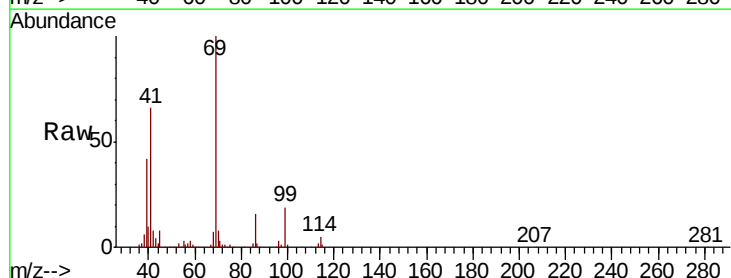
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion:	97	Resp:	35277
Ion	Ratio	Lower	Upper
97	100		
83	79.0	66.9	100.3
85	51.8	43.4	65.0
99	61.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.799 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion:	69	Resp:	44591
Ion	Ratio	Lower	Upper
69	100		
41	65.2	56.0	84.0
39	40.9	33.5	50.3

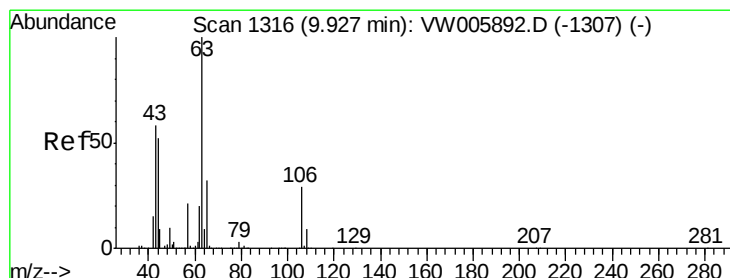
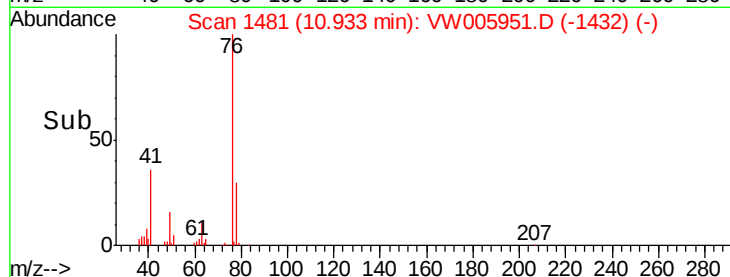
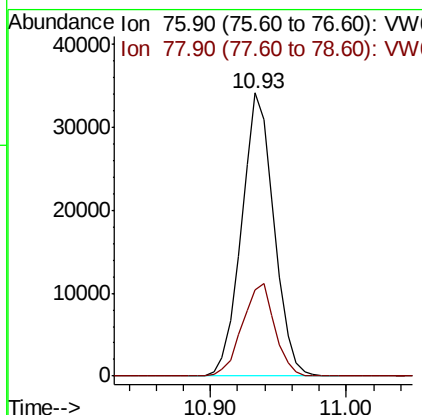
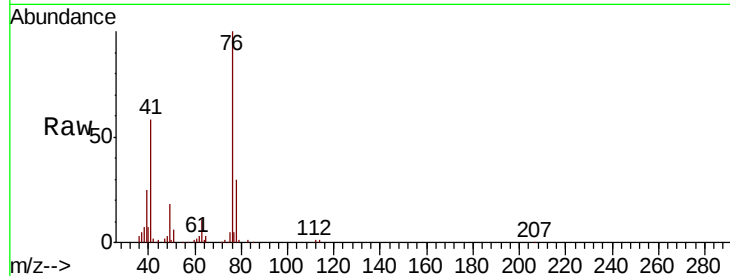




#57
 1,3-Dichloropropane
 Concen: 20.192 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

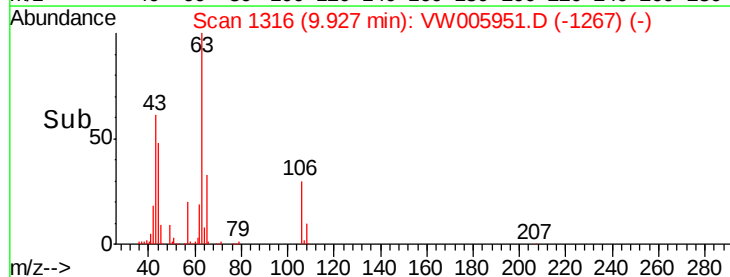
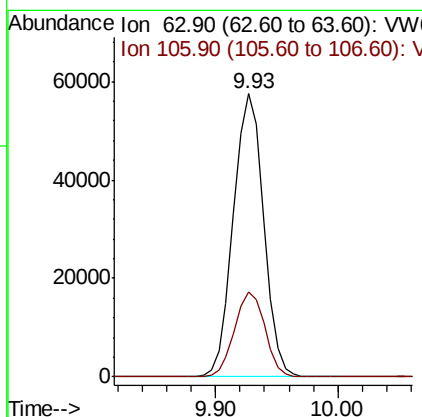
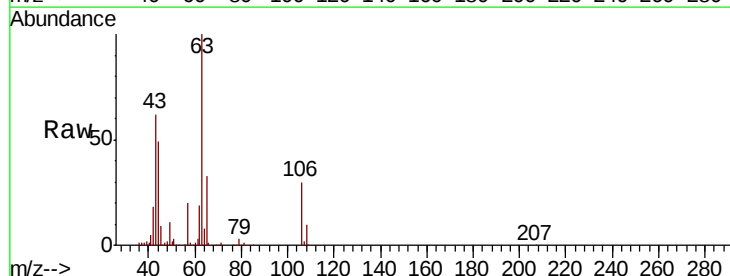
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

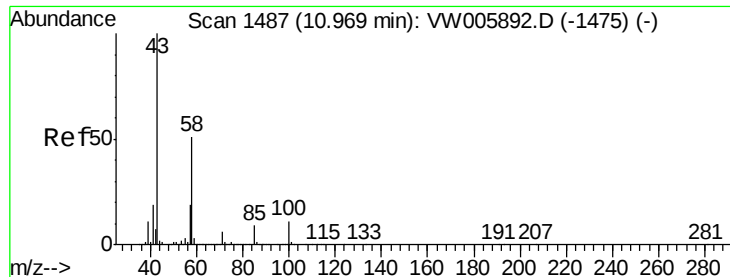
Tgt Ion: 76 Resp: 56763
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.383 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 63 Resp: 98407
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.6 35.4





#59

2-Hexanone

Concen: 97.148 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

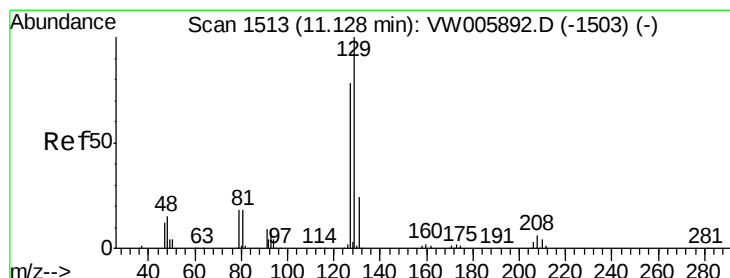
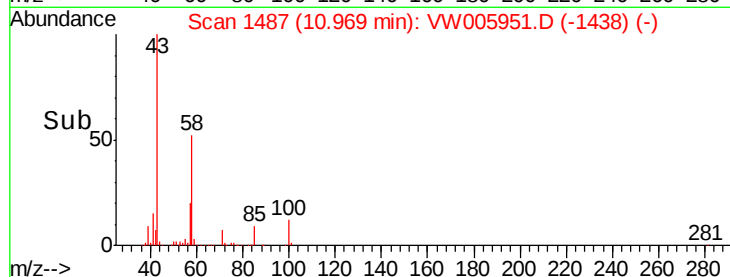
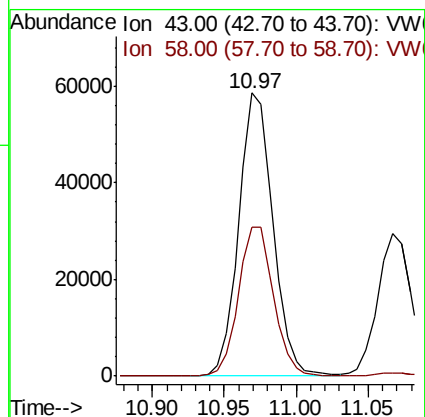
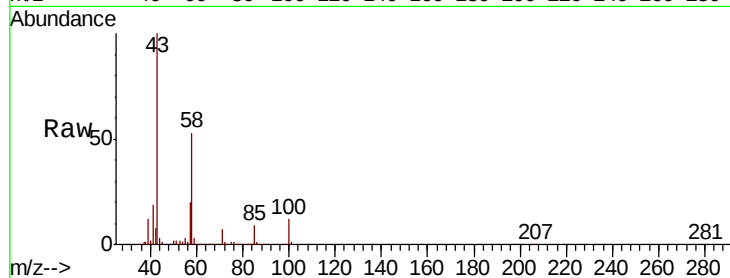
VW1010SBSD01

Tgt Ion: 43 Resp: 96143

Ion Ratio Lower Upper

43 100

58 54.3 25.7 77.1



#60

Dibromochloromethane

Concen: 19.849 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW005951.D

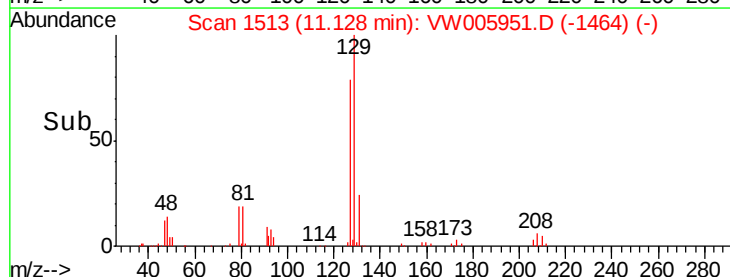
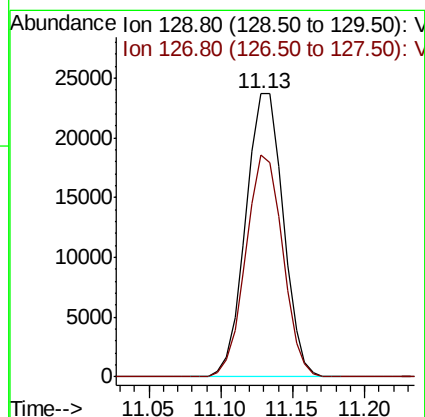
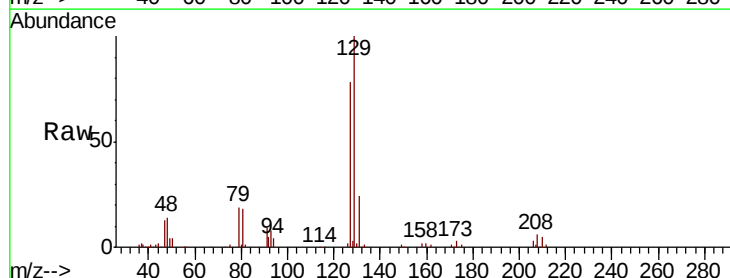
Acq: 09 Oct 2018 21:30

Tgt Ion: 129 Resp: 42801

Ion Ratio Lower Upper

129 100

127 77.1 38.5 115.5

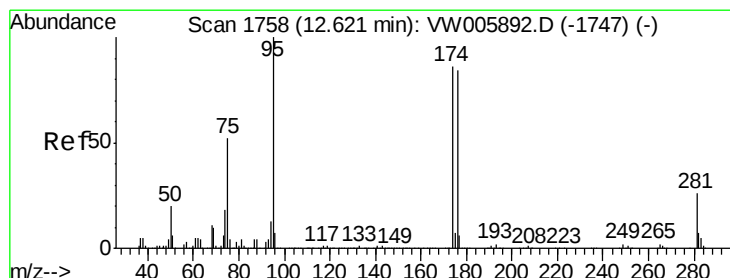
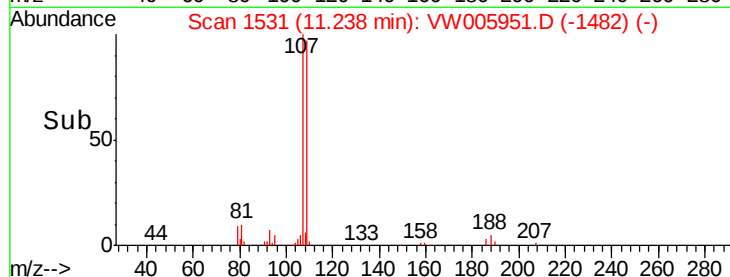
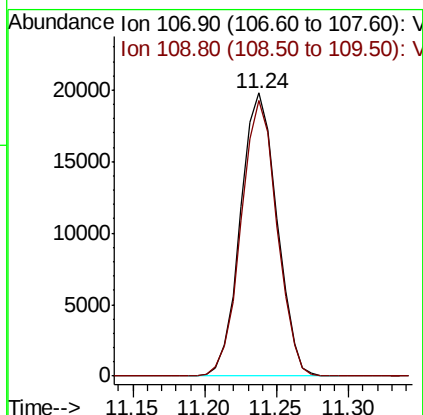
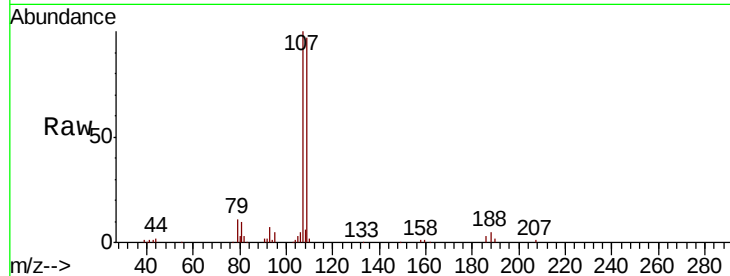




#61
 1,2-Dibromoethane
 Concen: 20.855 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

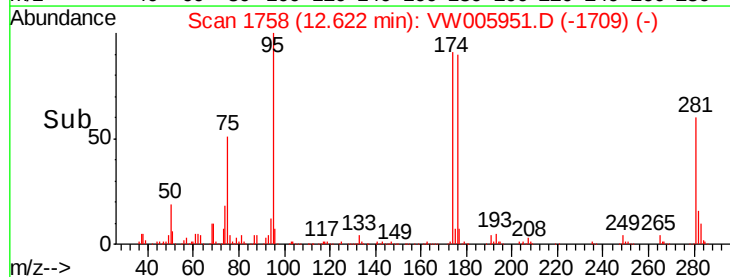
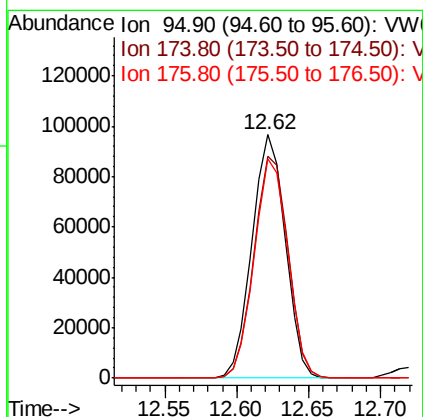
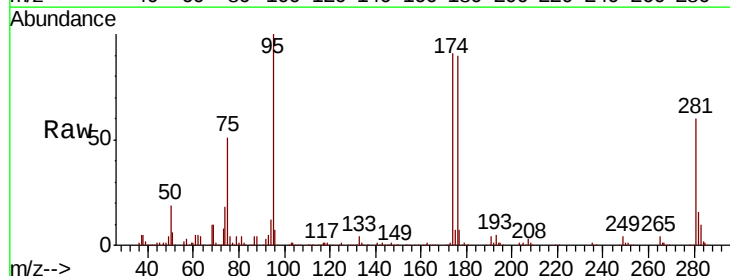
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion: 107 Resp: 34823
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.380 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion: 95 Resp: 154320
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 176.4
 176 91.3 0.0 173.0

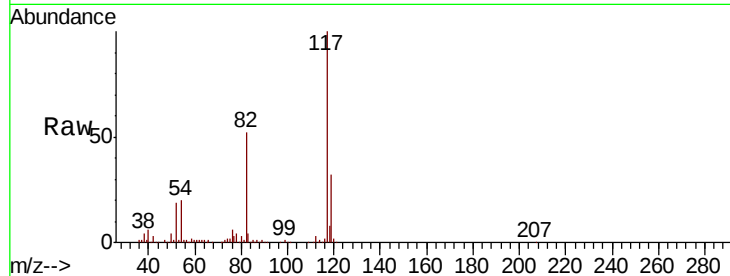




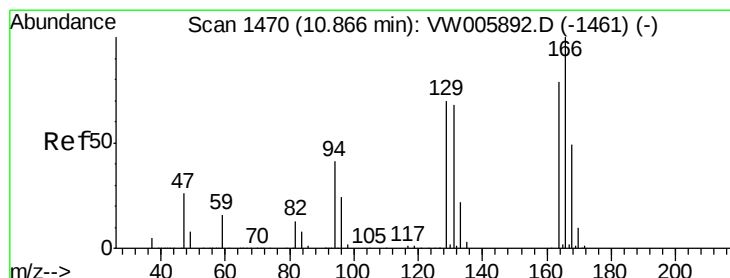
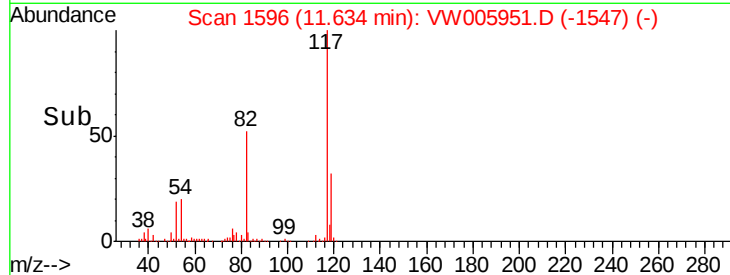
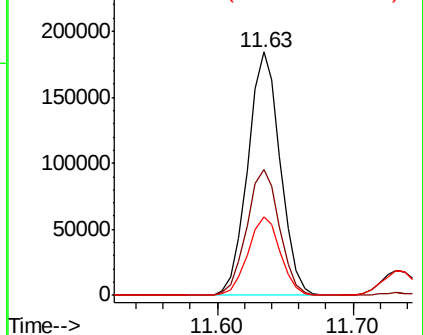
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

Tgt Ion:117 Resp: 307277
Ion Ratio Lower Upper
117 100
82 51.6 43.5 65.3
119 32.3 25.4 38.2

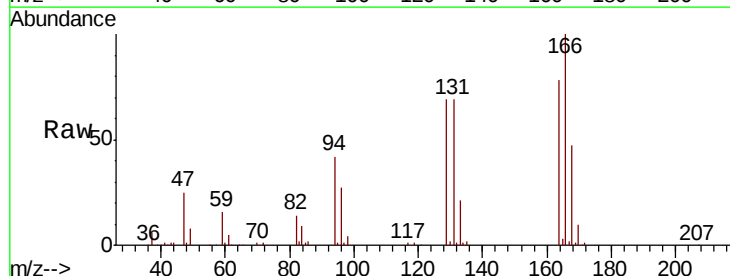


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

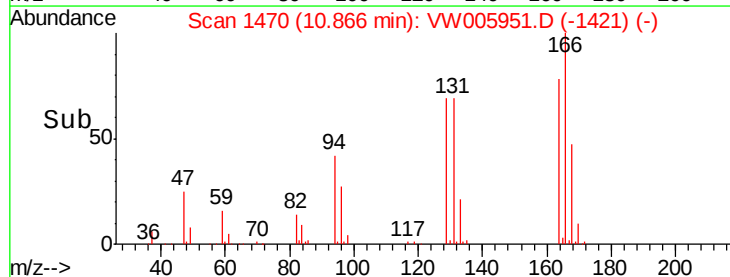
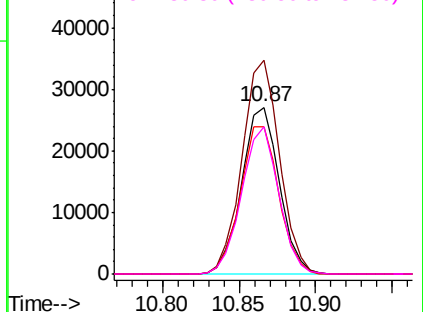


#64
Tetrachloroethene
Concen: 20.217 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion:164 Resp: 46276
Ion Ratio Lower Upper
164 100
166 128.0 101.5 152.3
129 88.2 71.1 106.7
131 88.4 69.1 103.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

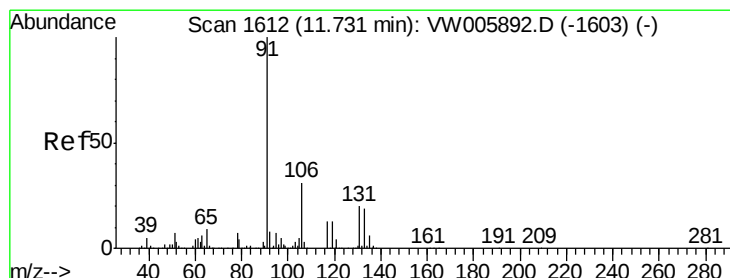
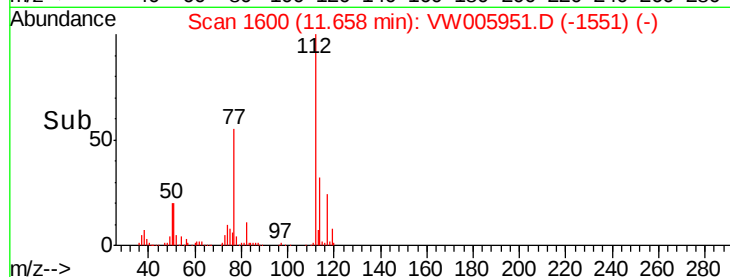
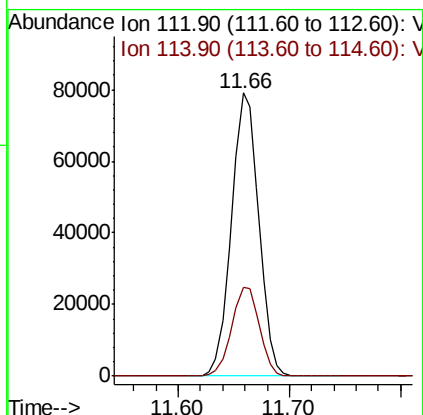
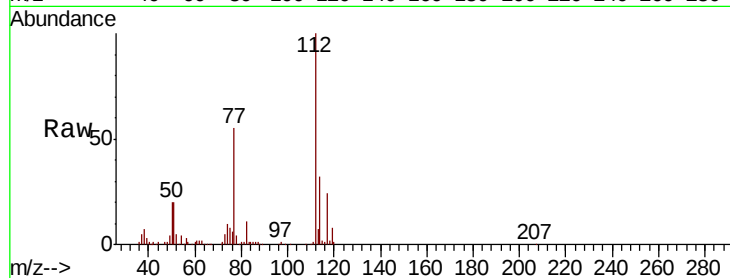




#65
Chlorobenzene
Concen: 20.364 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

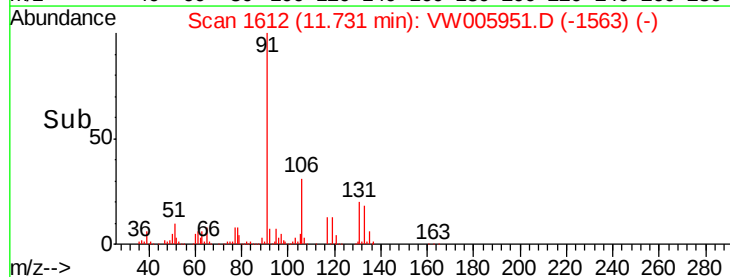
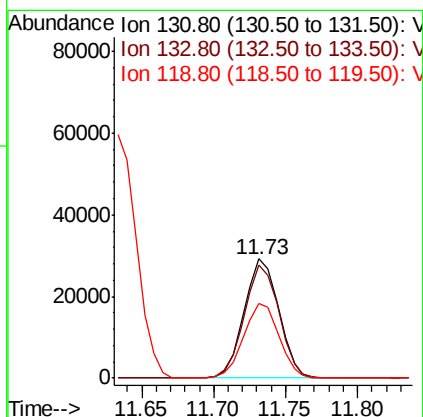
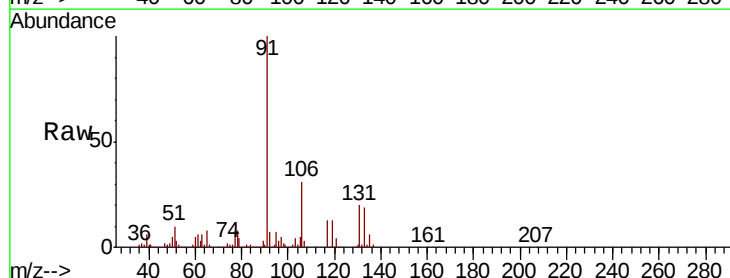
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

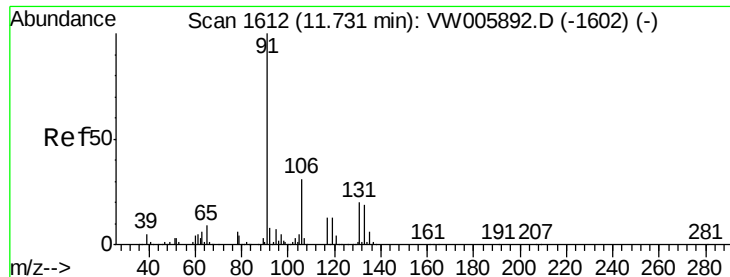
Tgt Ion:112 Resp: 134036
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.114 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion:131 Resp: 48526
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 64.3 32.5 97.5

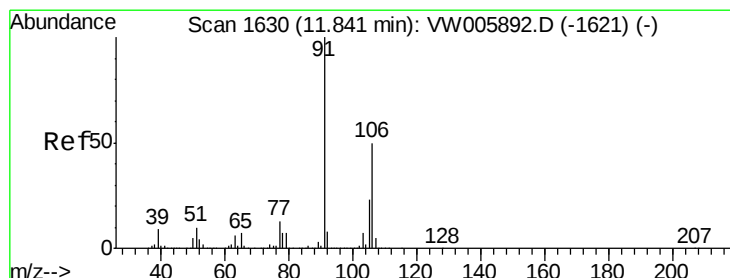
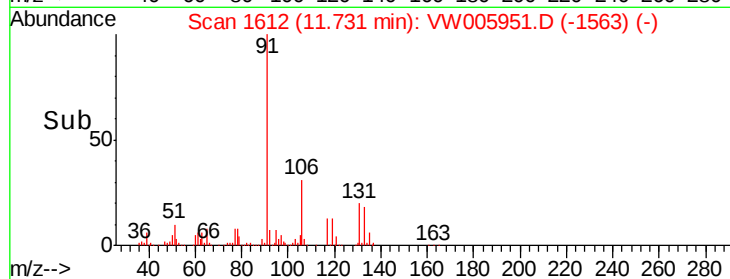
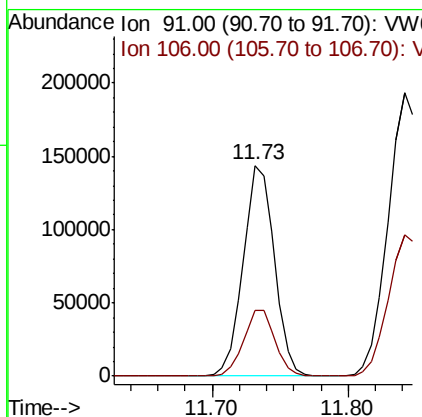
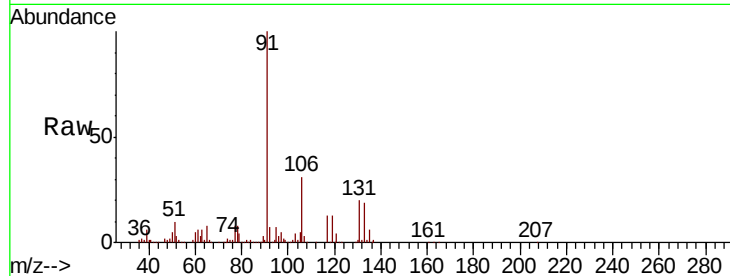




#67
Ethyl Benzene
Concen: 19.881 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

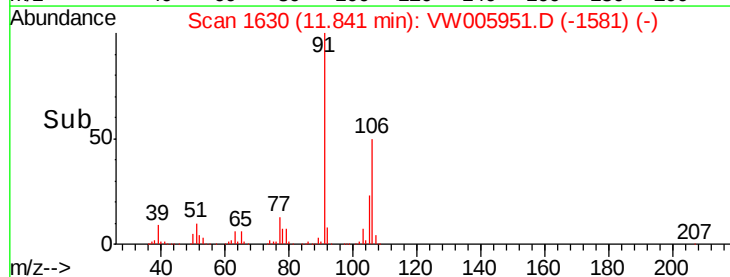
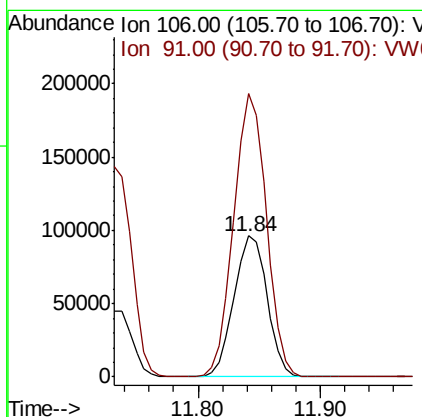
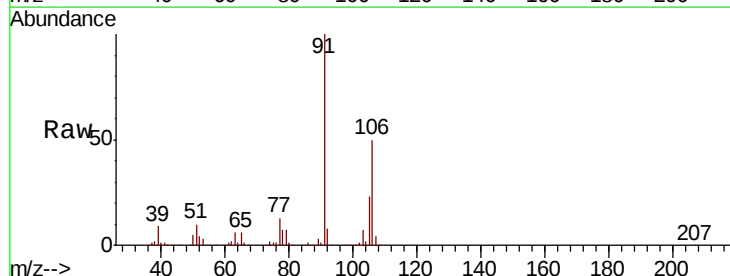
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

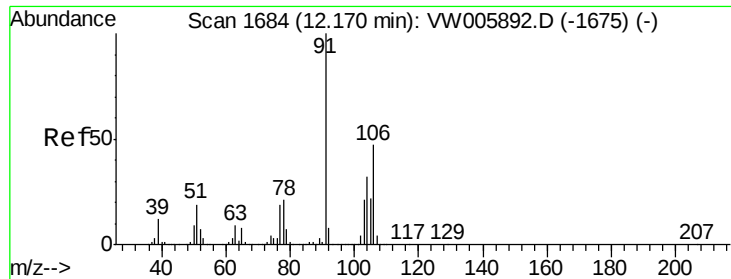
Tgt Ion: 91 Resp: 231129
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 39.758 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion: 106 Resp: 180632
Ion Ratio Lower Upper
106 100
91 197.9 160.2 240.2

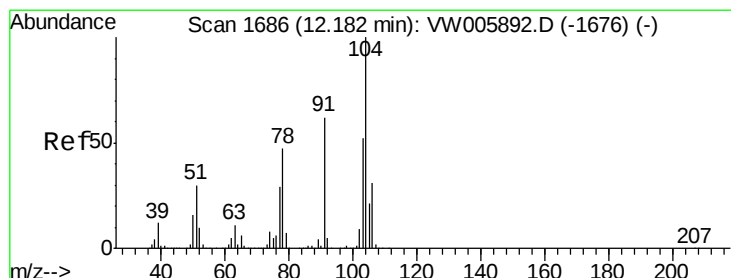
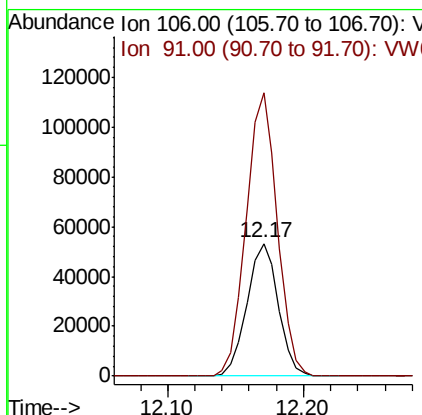
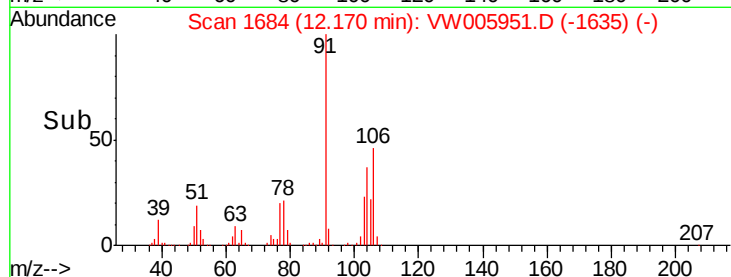
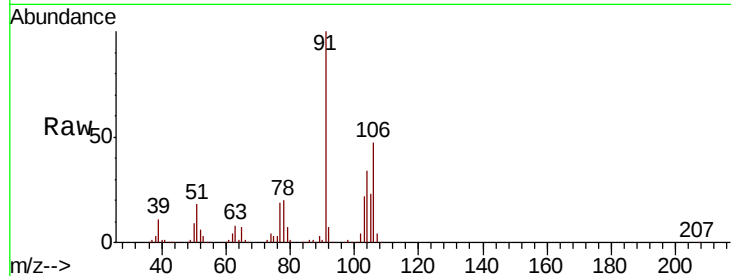




#69
o-Xylene
Concen: 19.687 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

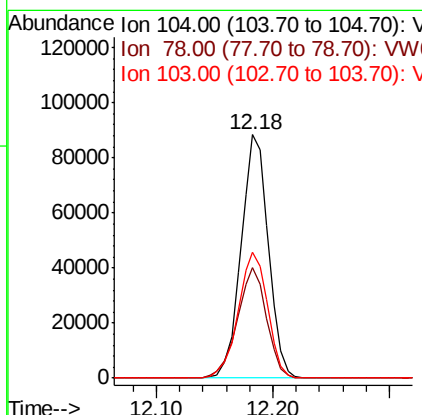
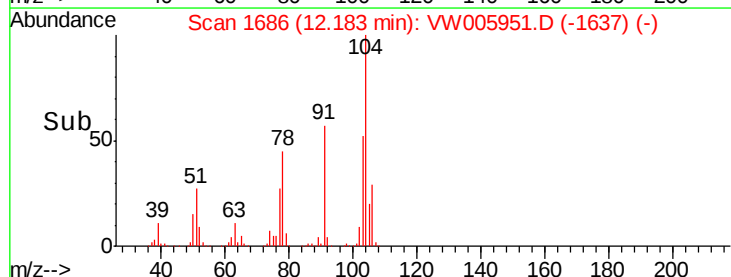
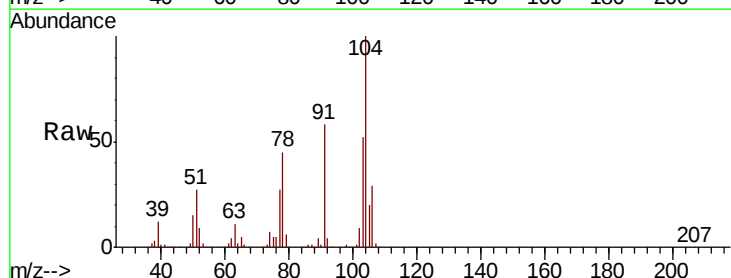
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

Tgt Ion:106 Resp: 85628
Ion Ratio Lower Upper
106 100
91 212.9 106.2 318.5



#70
Styrene
Concen: 19.968 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion:104 Resp: 144104
Ion Ratio Lower Upper
104 100
78 48.5 40.4 60.6
103 55.7 44.2 66.2

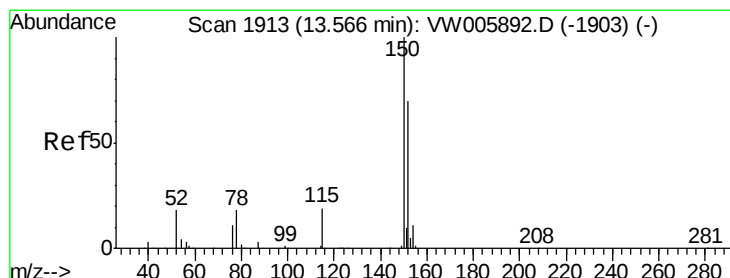
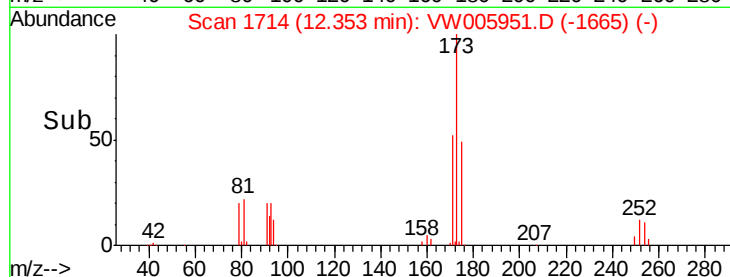
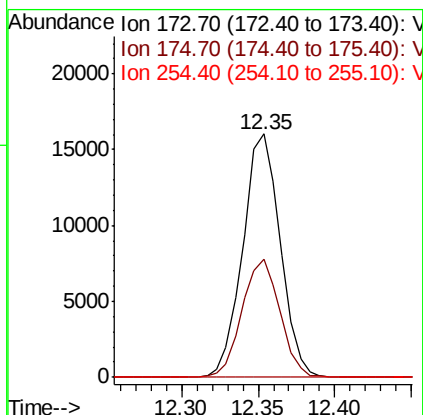
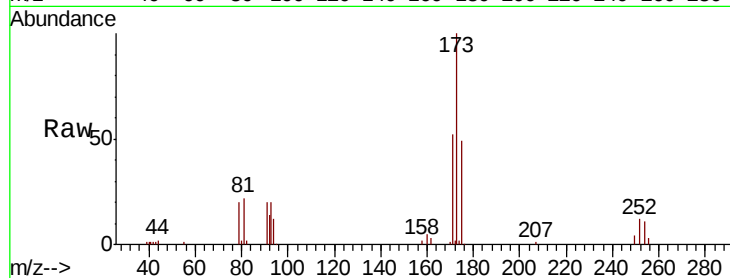




#71
Bromoform
Concen: 18.995 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

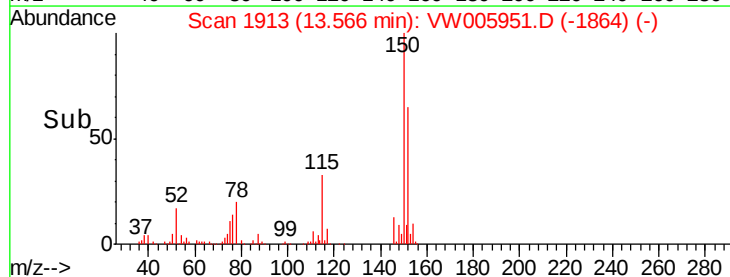
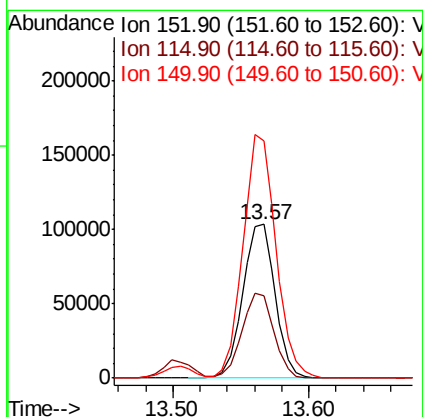
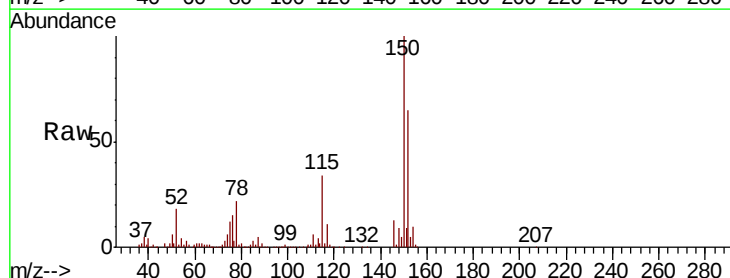
Instrument :
MSVOA_W
ClientSampleId :
VW1010SBSD01

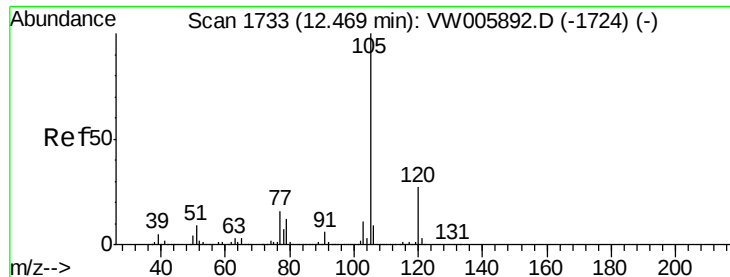
Tgt Ion:173 Resp: 27297
Ion Ratio Lower Upper
173 100
175 48.9 24.7 74.1
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005951.D
Acq: 09 Oct 2018 21:30

Tgt Ion:152 Resp: 171023
Ion Ratio Lower Upper
152 100
115 54.8 28.3 85.0
150 162.2 0.0 349.2





#73

Isopropylbenzene

Concen: 19.230 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

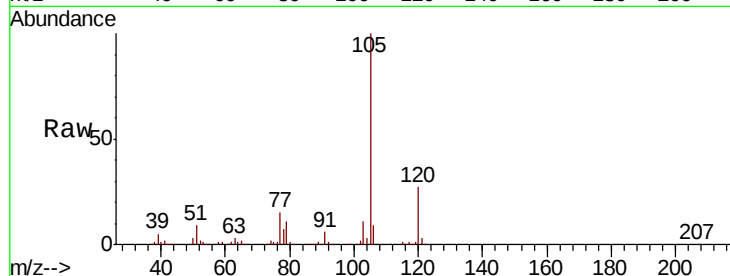
VW1010SBSD01

Tgt Ion: 105 Resp: 240183

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

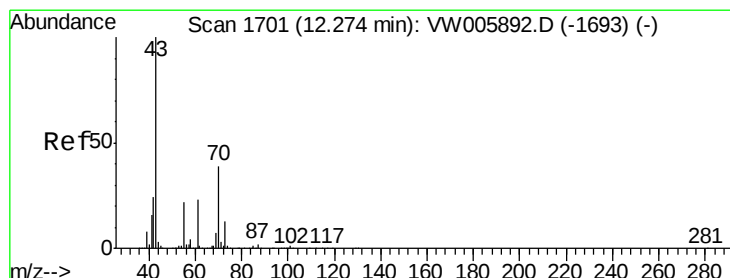
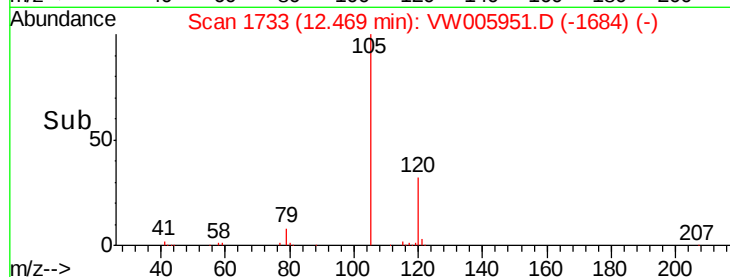
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.602 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Tgt Ion: 43 Resp: 55178

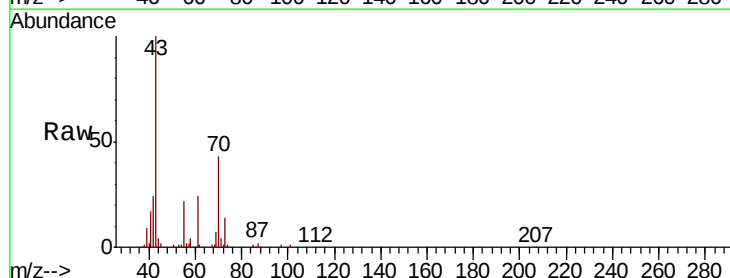
Ion Ratio Lower Upper

43 100

70 42.5 31.6 47.4

55 23.1 17.9 26.9

61 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

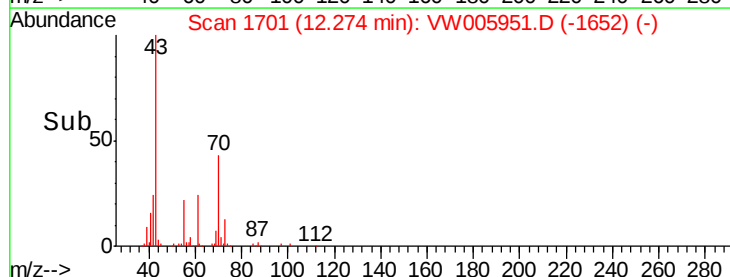
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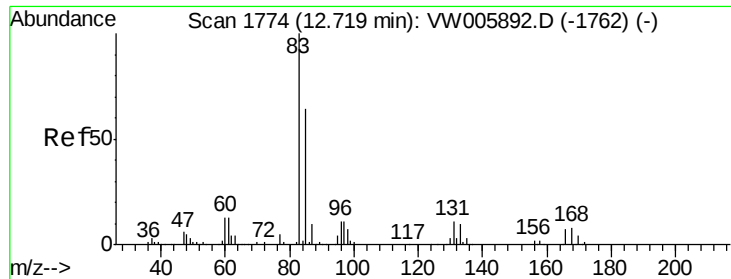
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.104 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

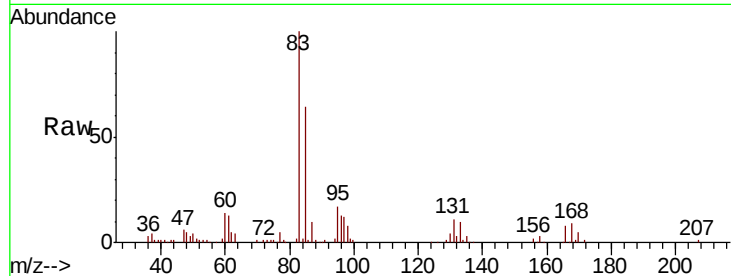
Tgt Ion: 83 Resp: 41156

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.3

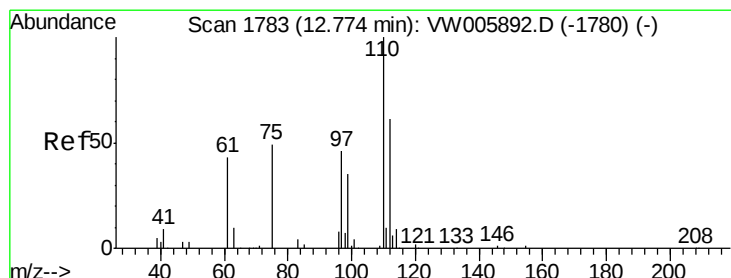
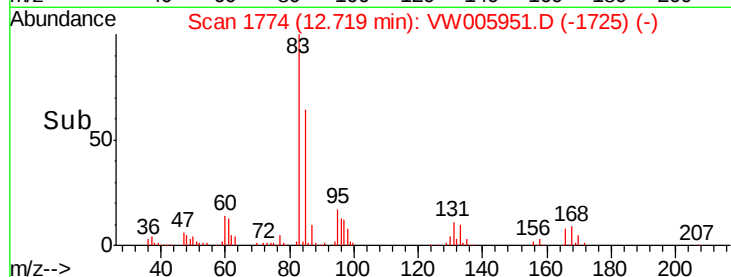
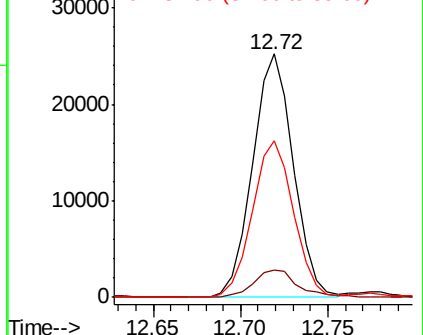
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.352 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005951.D

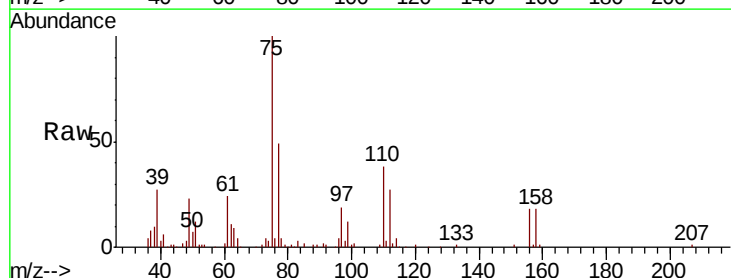
Acq: 09 Oct 2018 21:30

Tgt Ion: 75 Resp: 54007

Ion Ratio Lower Upper

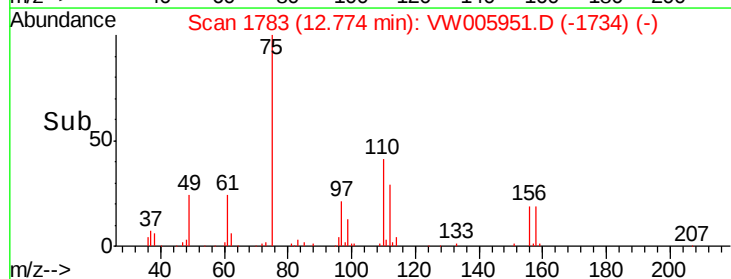
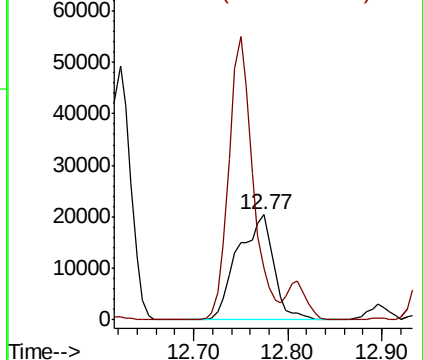
75 100

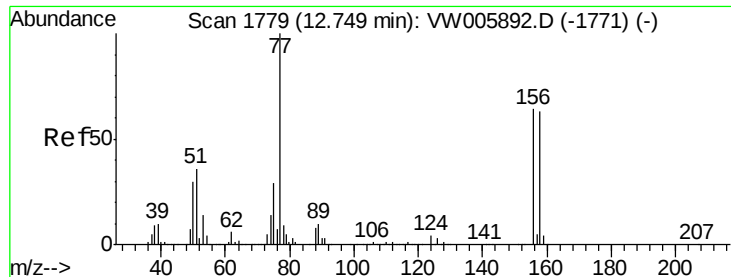
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.400 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

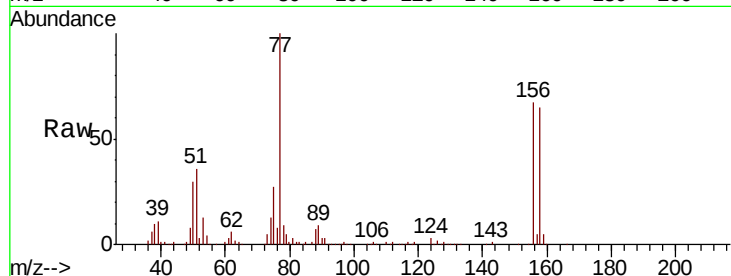
Tgt Ion:156 Resp: 60367

Ion Ratio Lower Upper

156 100

77 163.5 85.8 257.4

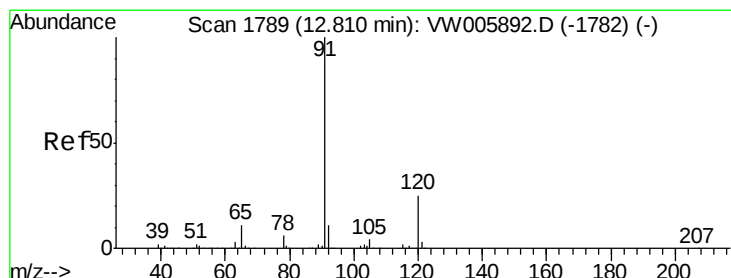
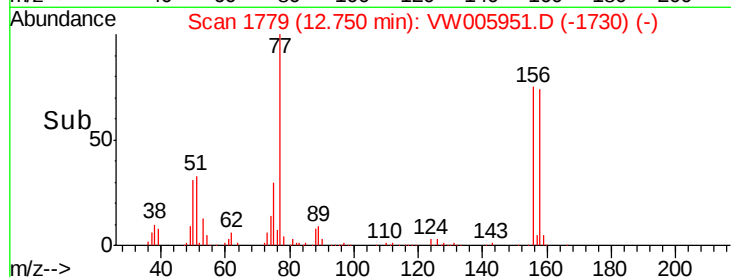
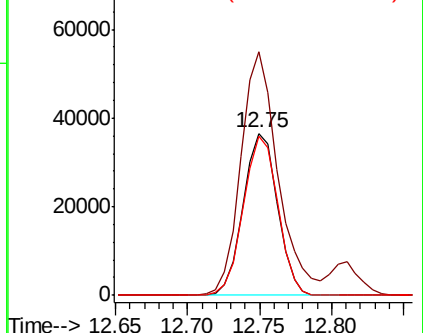
158 98.3 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.254 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005951.D

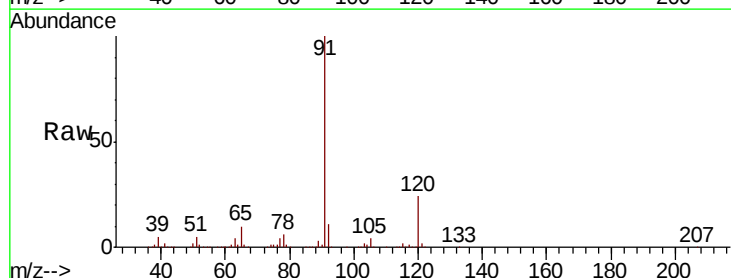
Acq: 09 Oct 2018 21:30

Tgt Ion: 91 Resp: 282893

Ion Ratio Lower Upper

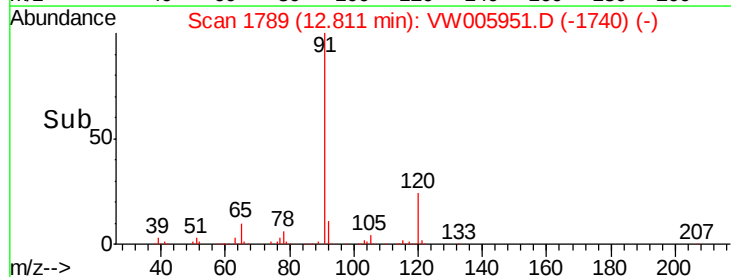
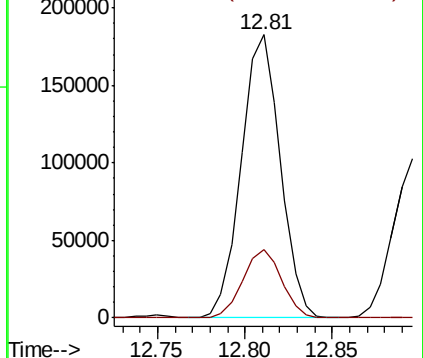
91 100

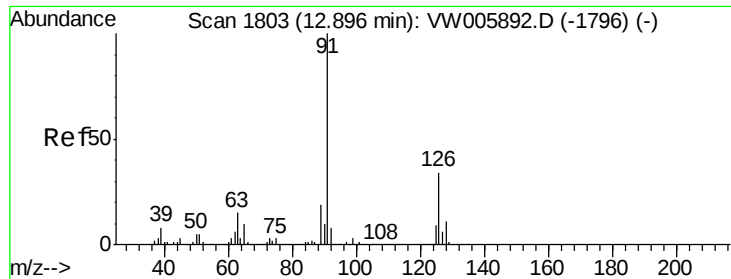
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.432 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

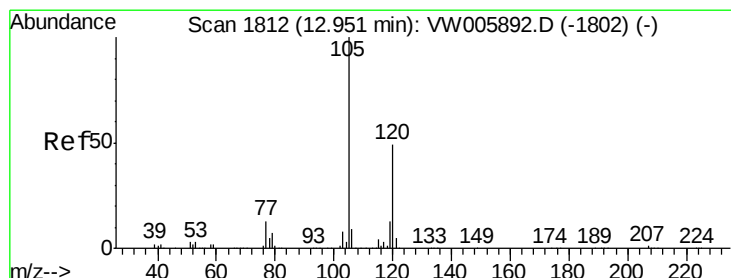
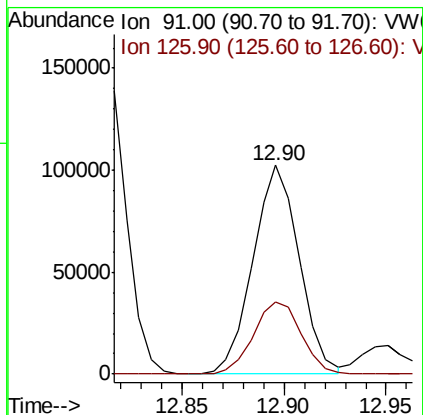
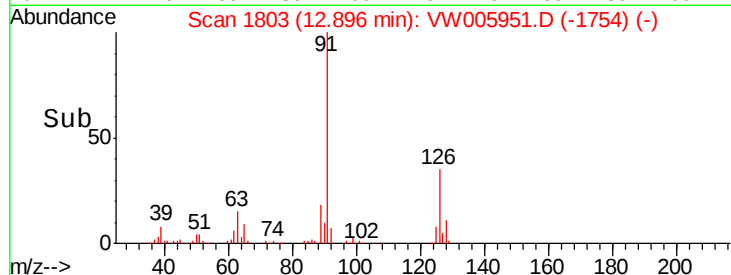
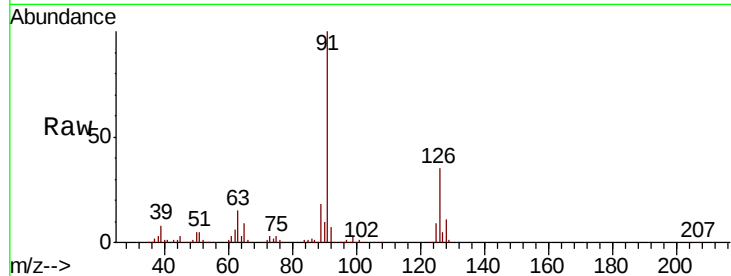
VW1010SBSD01

Tgt Ion: 91 Resp: 161169

Ion Ratio Lower Upper

91 100

126 36.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 19.512 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005951.D

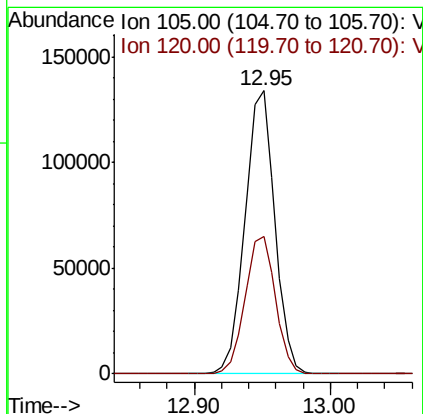
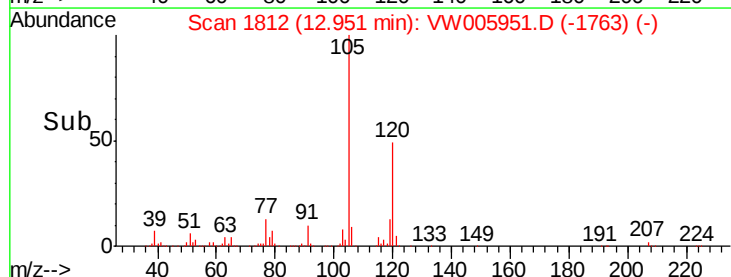
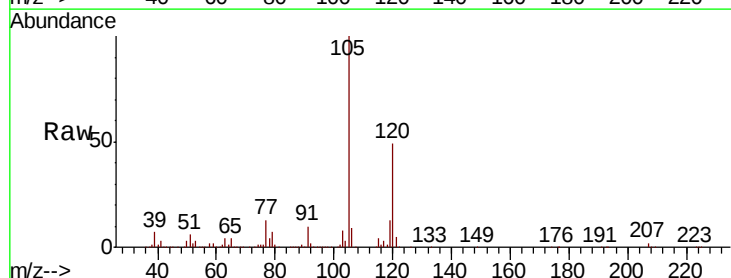
Acq: 09 Oct 2018 21:30

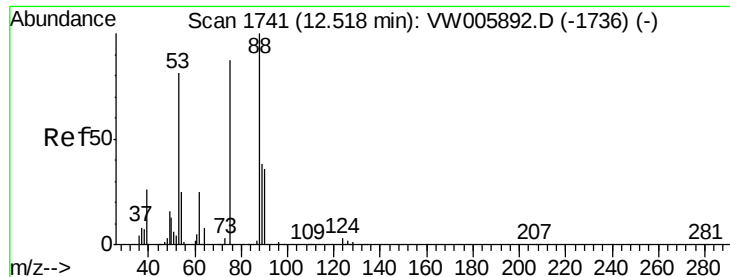
Tgt Ion: 105 Resp: 205751

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.411 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

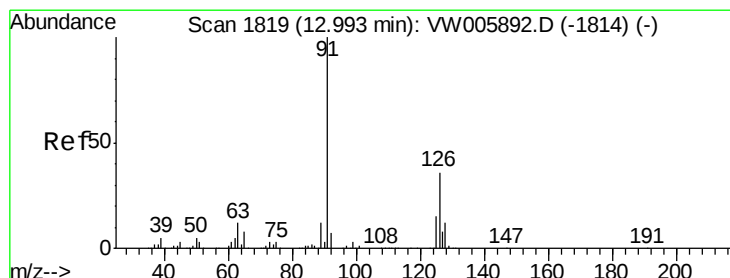
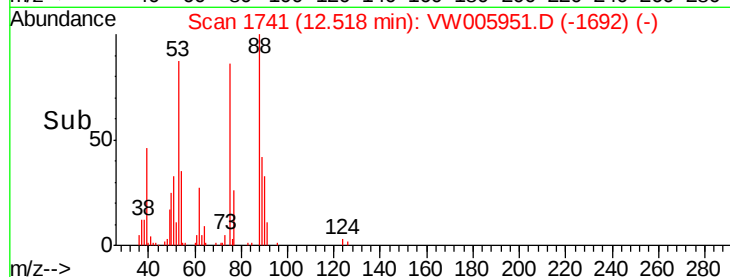
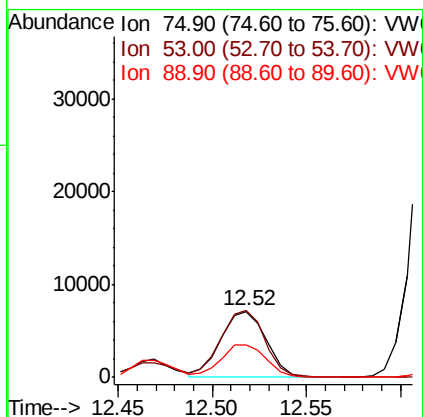
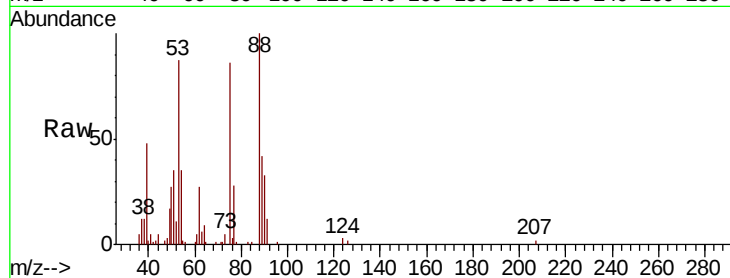
Tgt Ion: 75 Resp: 11876

Ion Ratio Lower Upper

75 100

53 98.8 76.5 114.7

89 49.8 37.6 56.4



#82

4-Chlorotoluene

Concen: 19.543 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005951.D

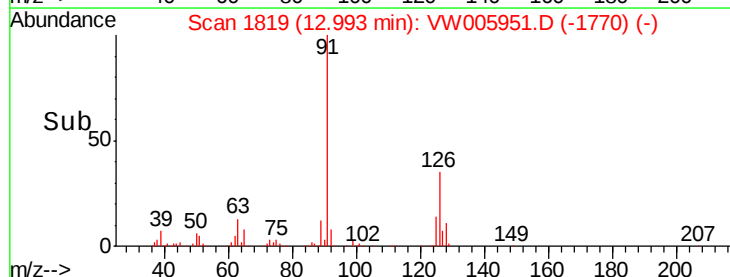
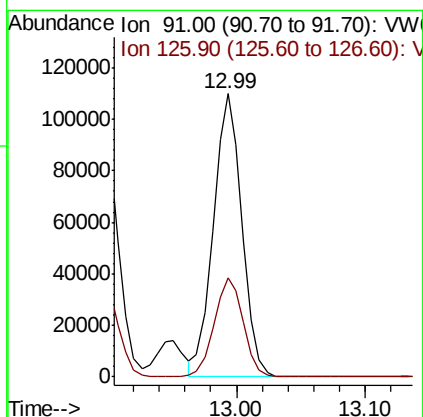
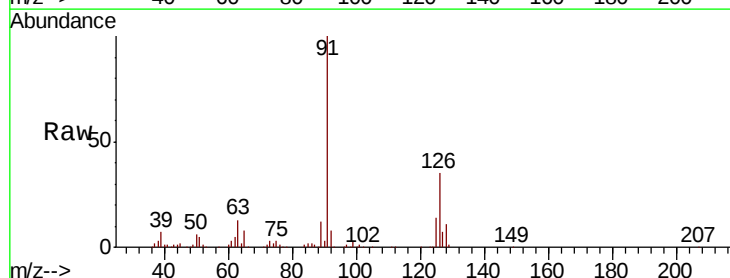
Acq: 09 Oct 2018 21:30

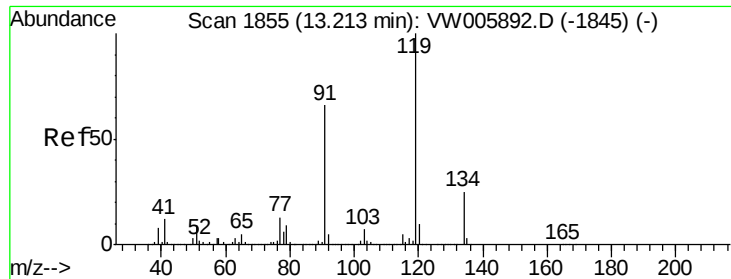
Tgt Ion: 91 Resp: 170538

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.2

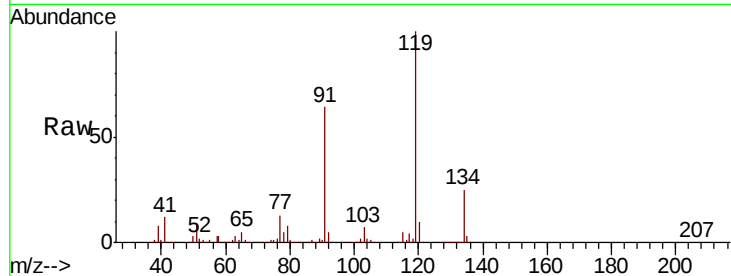




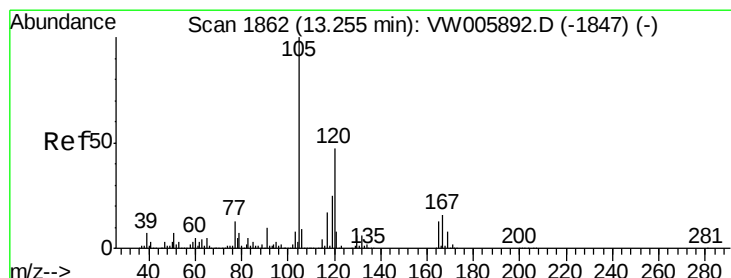
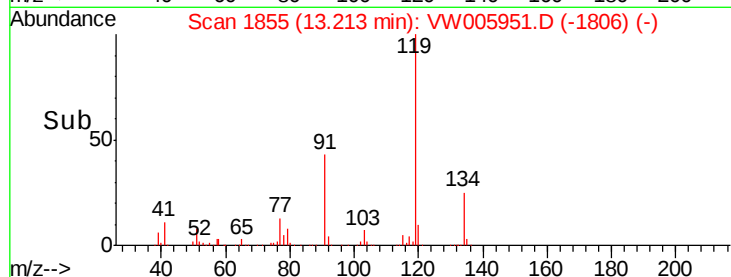
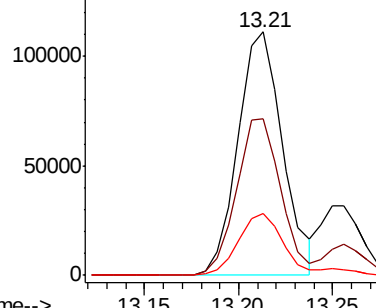
#83
 tert-Butylbenzene
 Concen: 19.548 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

Tgt Ion:119 Resp: 183335
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.4 97.0
 134 25.2 13.2 39.6

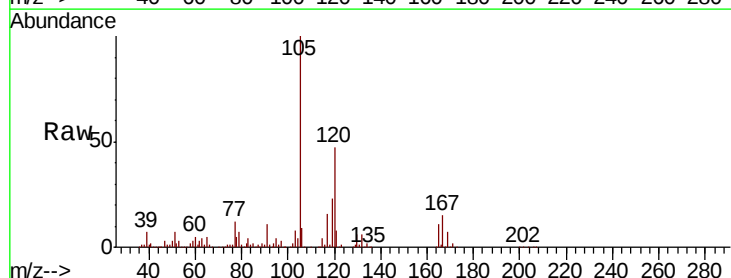


Abundance Ion 119.00 (118.70 to 119.70): V
 150000 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

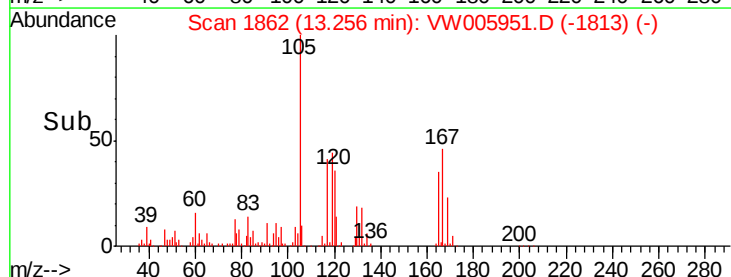
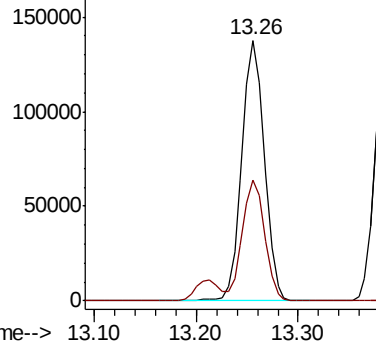


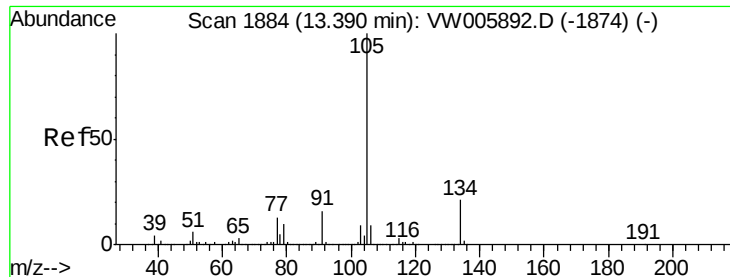
#84
 1,2,4-Trimethylbenzene
 Concen: 19.784 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion:105 Resp: 210437
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
 150000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.716 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

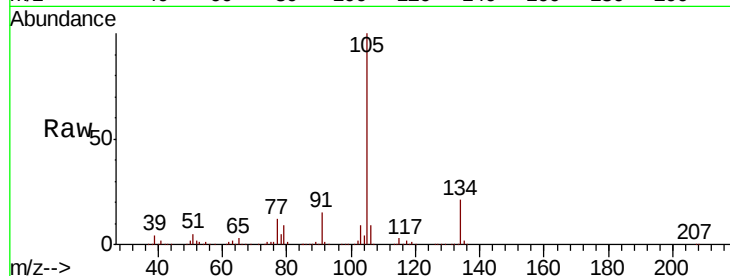
VW1010SBSD01

Tgt Ion:105 Resp: 259551

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

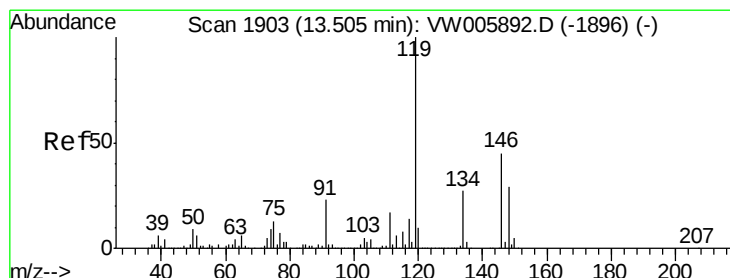
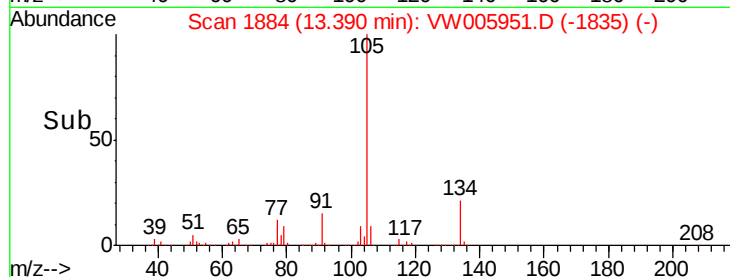
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.734 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

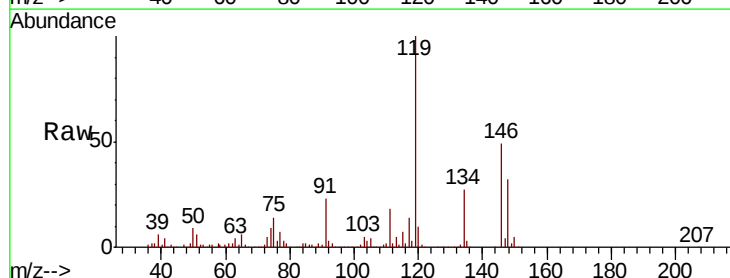
Tgt Ion:119 Resp: 233632

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.1 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

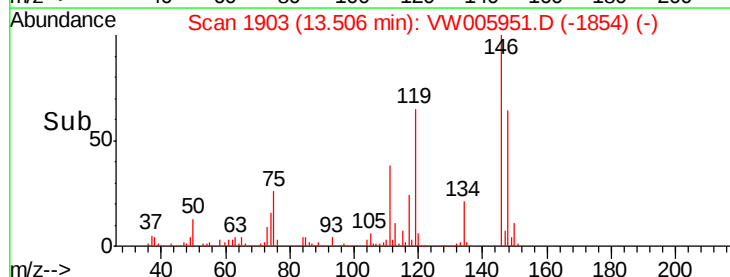
150000

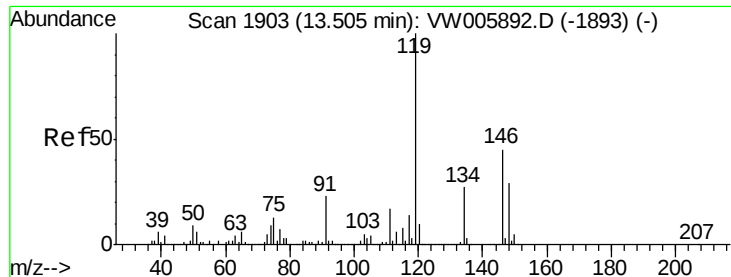
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 20.420 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

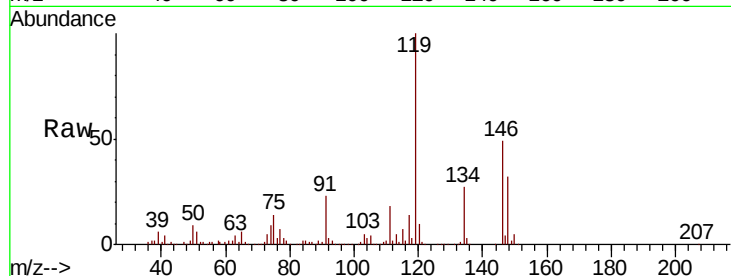
Tgt Ion:146 Resp: 120049

Ion Ratio Lower Upper

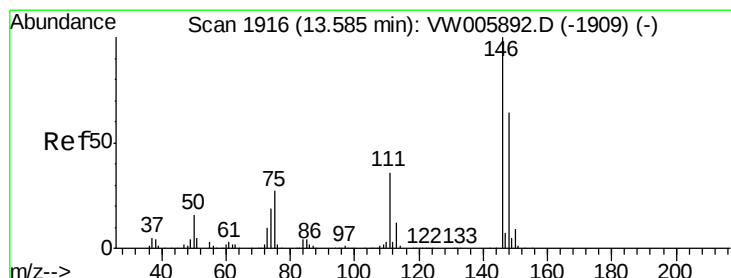
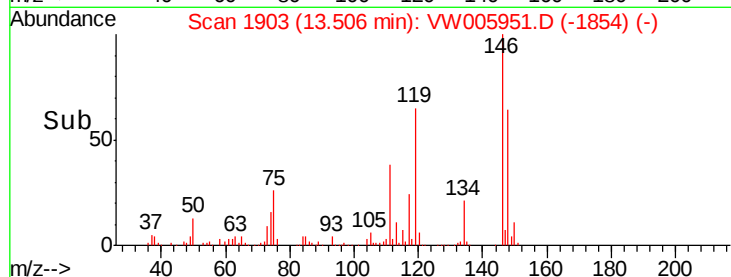
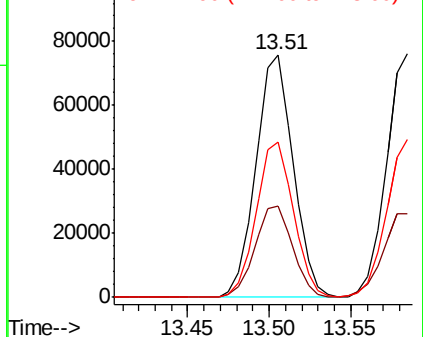
146 100

111 38.2 19.5 58.5

148 64.3 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 20.681 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

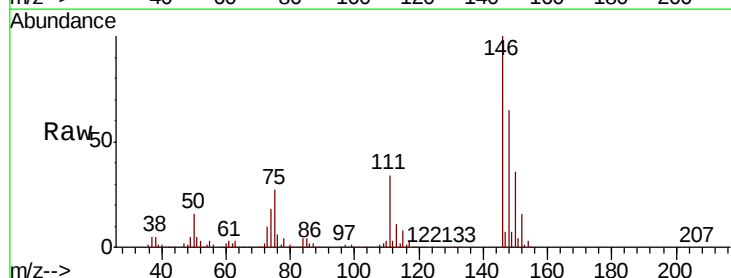
Tgt Ion:146 Resp: 120819

Ion Ratio Lower Upper

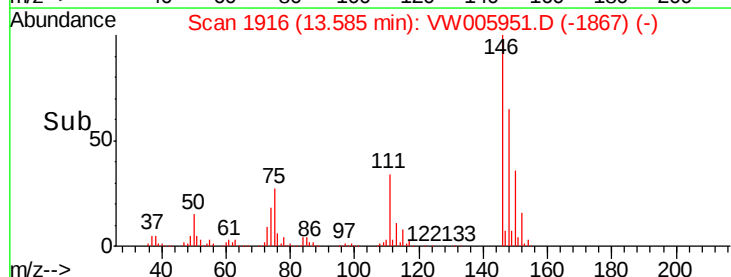
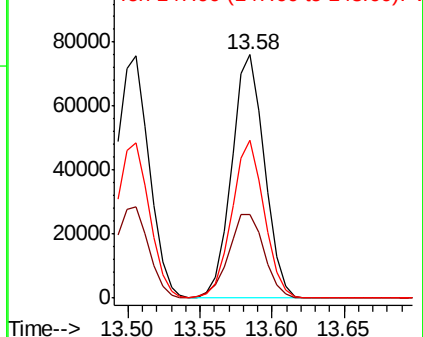
146 100

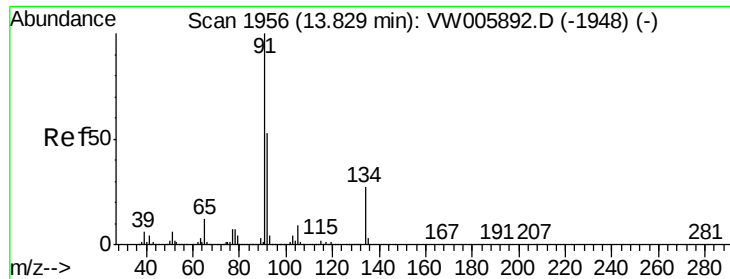
111 37.5 19.0 57.0

148 64.1 32.0 96.2



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





#89

n-Butylbenzene

Concen: 19.426 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

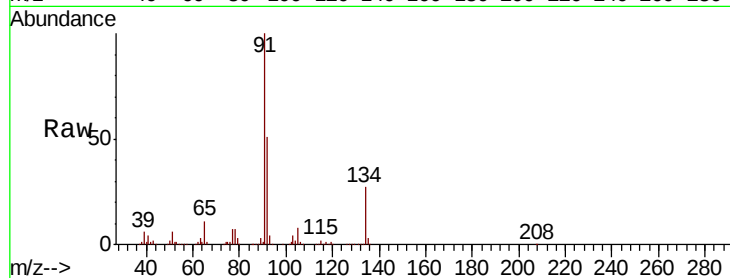
Tgt Ion: 91 Resp: 216789

Ion Ratio Lower Upper

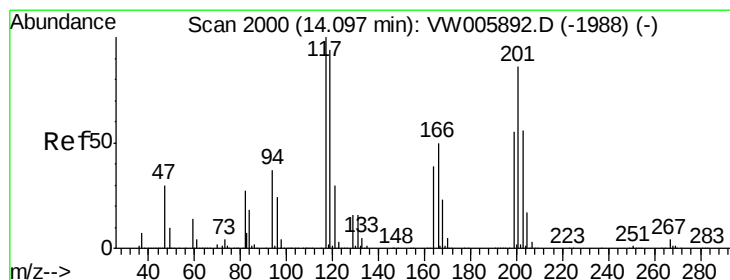
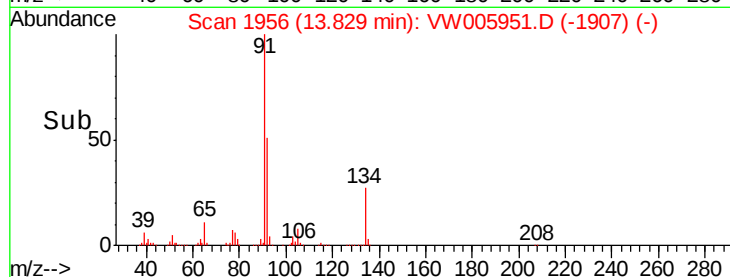
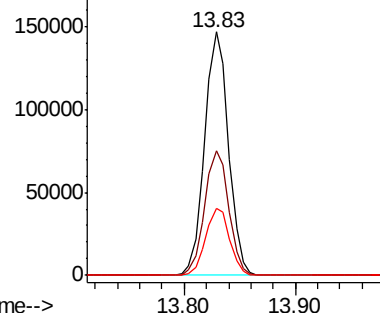
91 100

92 52.1 26.6 79.8

134 27.8 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.754 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW005951.D

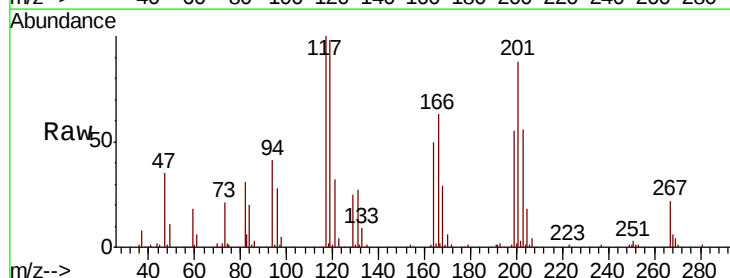
Acq: 09 Oct 2018 21:30

Tgt Ion: 117 Resp: 39531

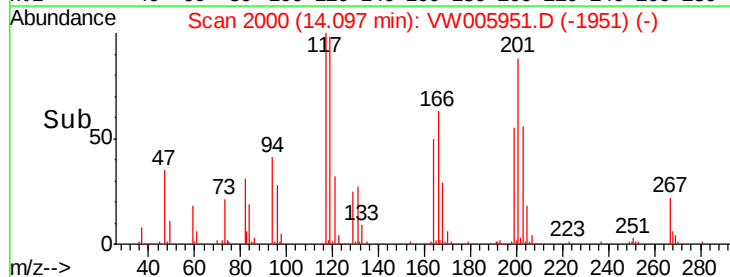
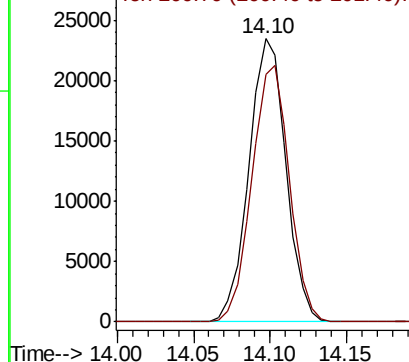
Ion Ratio Lower Upper

117 100

201 91.8 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.928 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

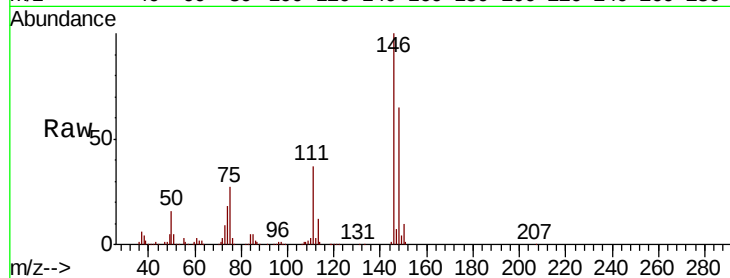
Tgt Ion:146 Resp: 109233

Ion Ratio Lower Upper

146 100

111 39.4 20.3 61.0

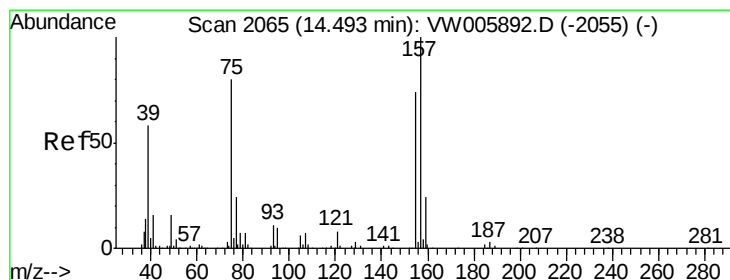
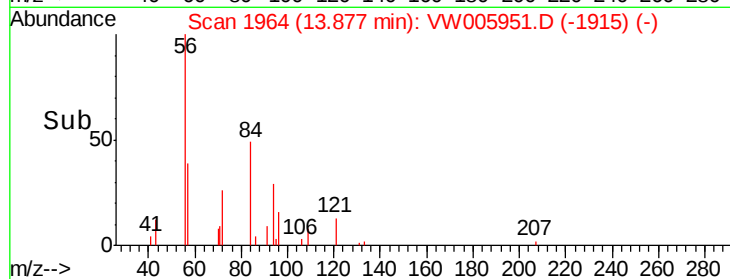
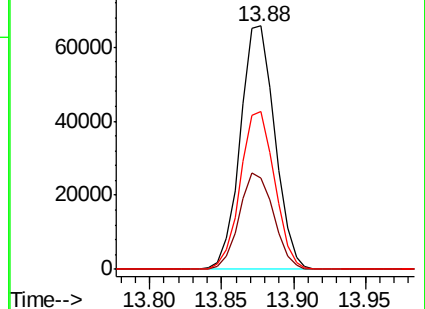
148 64.5 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.757 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

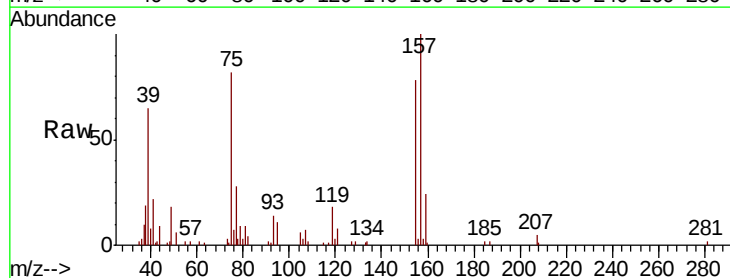
Tgt Ion: 75 Resp: 7156

Ion Ratio Lower Upper

75 100

155 97.9 44.8 134.3

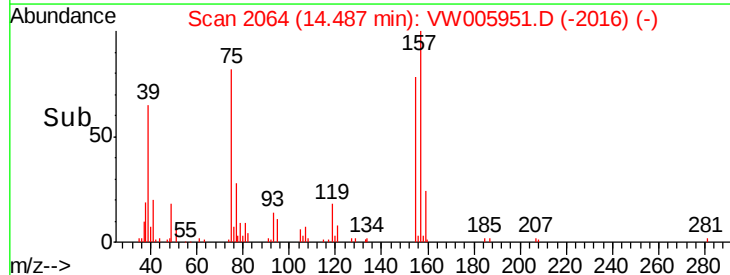
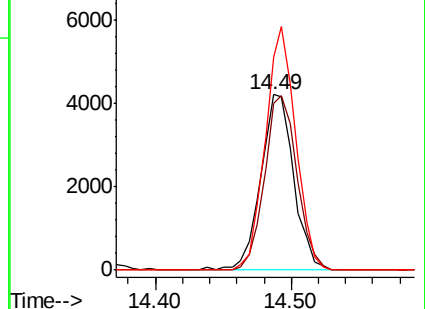
157 127.7 58.9 176.6

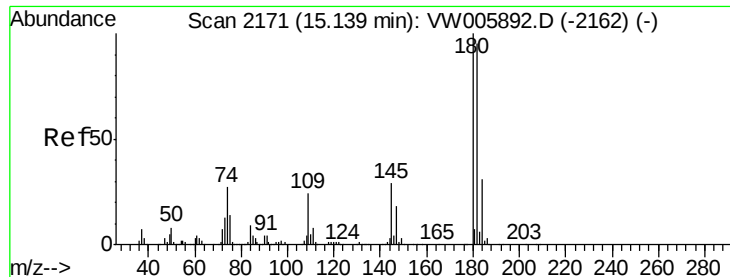


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

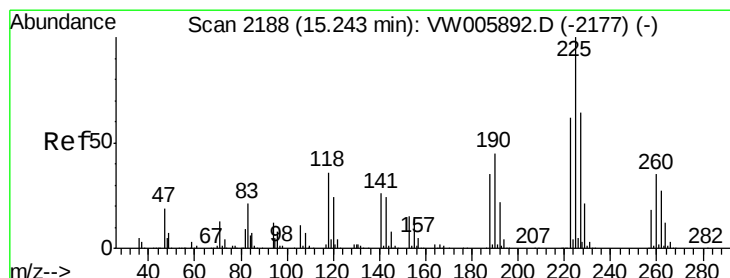
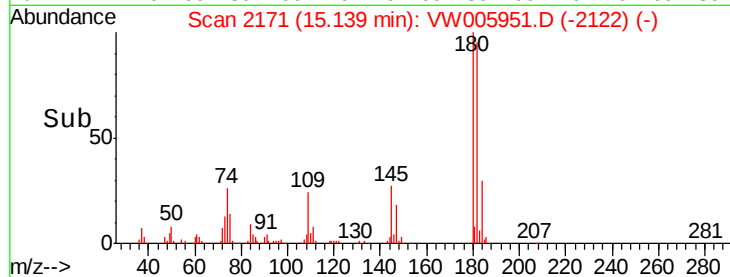
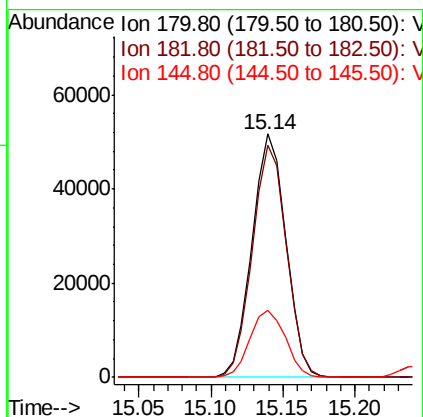
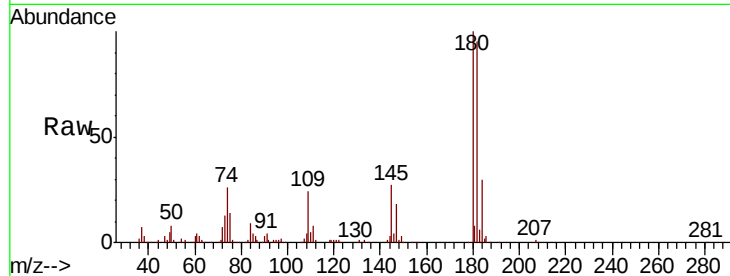




#93
 1,2,4-Trichlorobenzene
 Concen: 20.785 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

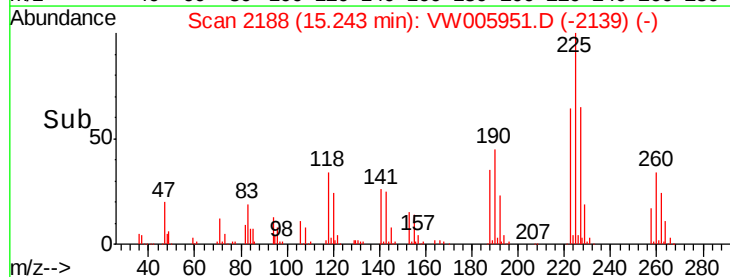
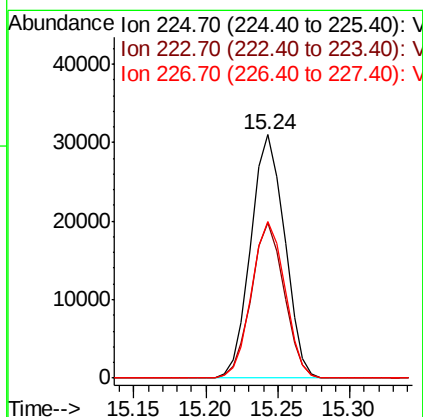
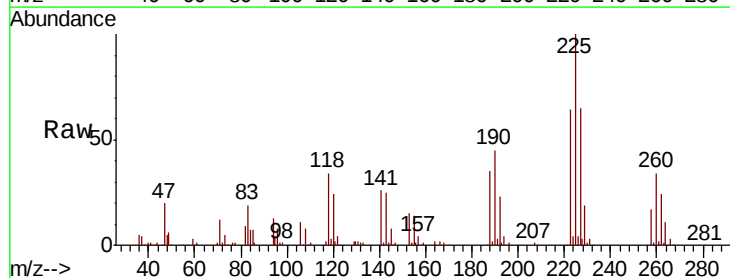
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1010SBSD01

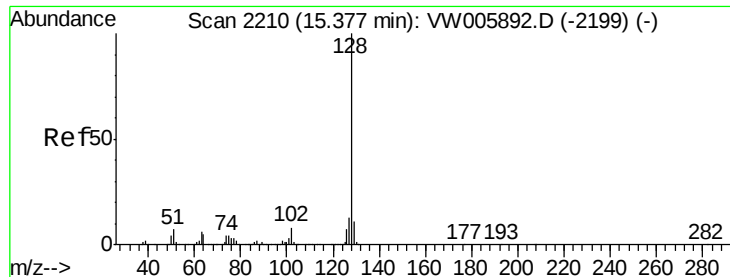
Tgt Ion:180 Resp: 84116
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.3
 145 28.5 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 19.975 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005951.D
 Acq: 09 Oct 2018 21:30

Tgt Ion:225 Resp: 50459
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.2 93.6
 227 63.5 31.9 95.9





#95

Naphthalene

Concen: 21.782 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VW1010SBSD01

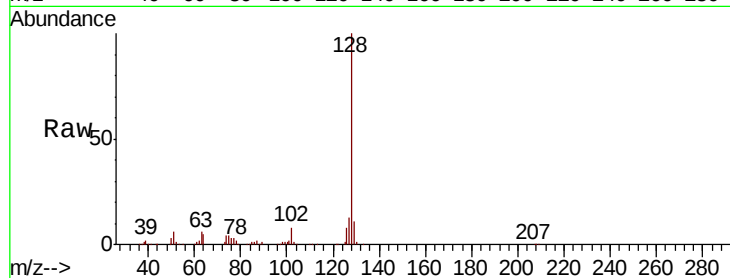
Tgt Ion:128 Resp: 151945

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

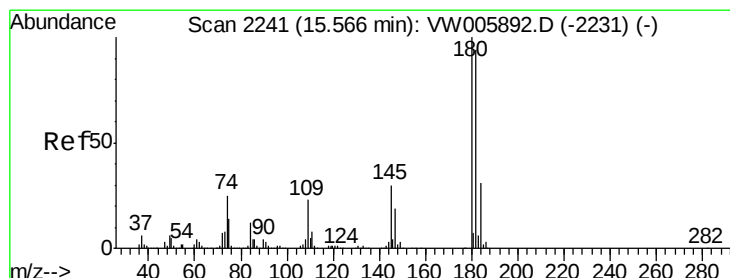
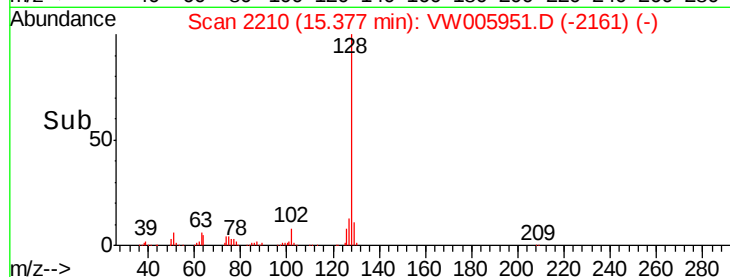
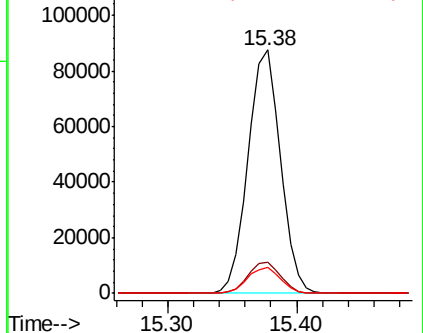
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.301 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005951.D

Acq: 09 Oct 2018 21:30

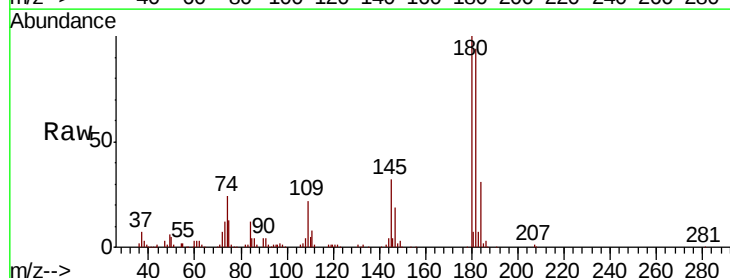
Tgt Ion:180 Resp: 74644

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.8

145 30.7 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

