

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101618\
 Data File : VW006094.D
 Acq On : 16 Oct 2018 23:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 17 08:21:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	386872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	359129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206175	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	118373	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
35) Dibromofluoromethane	7.88	113	121085	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.33	98	458808	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.62	95	174702	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	57836	44.675	ug/l	96
3) Chloromethane	2.21	50	79751	47.857	ug/l	99
4) Vinyl Chloride	2.37	62	121191	50.924	ug/l	100
5) Bromomethane	2.78	94	120831	55.822	ug/l	99
6) Chloroethane	2.93	64	89441	52.443	ug/l	97
7) Trichlorofluoromethane	3.26	101	106605	48.085	ug/l	99
8) Diethyl Ether	3.68	74	60480	51.331	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113441	48.826	ug/l	99
10) Methyl Iodide	4.27	142	204967	53.004	ug/l	99
11) Tert butyl alcohol	5.21	59	38284	262.458	ug/l	99
12) 1,1-Dichloroethene	4.04	96	114238	52.263	ug/l	92
13) Acrolein	3.89	56	37583	266.270	ug/l	95
14) Allyl chloride	4.67	41	162374	51.953	ug/l	99
15) Acrylonitrile	5.37	53	118944	281.454	ug/l	100
16) Acetone	4.14	43	101571	249.599	ug/l	95
17) Carbon Disulfide	4.38	76	334610	50.722	ug/l	100
18) Methyl Acetate	4.68	43	59547	54.556	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	179328	53.864	ug/l	99
20) Methylene Chloride	4.92	84	123923	54.133	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131602	53.939	ug/l	97
22) Diisopropyl ether	6.31	45	338797	54.855	ug/l	97
23) Vinyl Acetate	6.26	43	1009823	277.048	ug/l	99
24) 1,1-Dichloroethane	6.21	63	219965	55.194	ug/l	99
25) 2-Butanone	7.18	43	157991	269.645	ug/l	100
26) 2,2-Dichloropropane	7.17	77	133982	47.667	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	148318	55.087	ug/l	98
28) Bromochloromethane	7.51	49	87886	57.122	ug/l	98
29) Tetrahydrofuran	7.54	42	102644	285.001	ug/l	99
30) Chloroform	7.68	83	239365	55.128	ug/l	98
31) Cyclohexane	7.96	56	184786	46.560	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	202344	51.661	ug/l	99
36) 1,1-Dichloropropene	8.09	75	180922	50.737	ug/l	99
37) Ethyl Acetate	7.26	43	71413	53.902	ug/l	99
38) Carbon Tetrachloride	8.07	117	194952	49.872	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226998	47.890	ug/l	99
40) Benzene	8.32	78	518605	53.019	ug/l	100
41) Methacrylonitrile	7.49	41	42096	52.707	ug/l	93
42) 1,2-Dichloroethane	8.40	62	157499	54.805	ug/l	100
43) Isopropyl Acetate	8.43	43	149066	55.029	ug/l	98
44) Trichloroethene	9.09	130	156366	52.106	ug/l	97
45) 1,2-Dichloropropane	9.37	63	125453	53.598	ug/l	100
46) Dibromomethane	9.46	93	73901	55.396	ug/l	99
47) Bromodichloromethane	9.65	83	175155	54.155	ug/l	99
48) Methyl methacrylate	9.44	41	70878	55.199	ug/l	97
49) 1,4-Dioxane	9.47	88	22711	1105.843	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	374468	275.903	ug/l	99
52) Toluene	10.39	92	345274	52.651	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	172886	53.650	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	196937	53.249	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	101719	54.487	ug/l	98
56) Ethyl methacrylate	10.65	69	127226	55.590	ug/l	97
57) 1,3-Dichloropropane	10.94	76	166674	53.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	238520	272.748	ug/l	99
59) 2-Hexanone	10.98	43	259632	267.980	ug/l	99
60) Dibromochloromethane	11.13	129	128333	55.189	ug/l	100
61) 1,2-Dibromoethane	11.24	107	103915	55.708	ug/l	99
64) Tetrachloroethene	10.87	164	144684	51.896	ug/l	99
65) Chlorobenzene	11.66	112	403995	52.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	146638	53.672	ug/l	99
67) Ethyl Benzene	11.74	91	690374	51.817	ug/l	99
68) m/p-Xylenes	11.84	106	548466	104.150	ug/l	100
69) o-Xylene	12.17	106	263898	52.582	ug/l	100
70) Styrene	12.19	104	438371	53.714	ug/l	100
71) Bromoform	12.35	173	83766	54.968	ug/l #	98
73) Isopropylbenzene	12.47	105	729466	50.081	ug/l	100
74) N-amyl acetate	12.28	43	153469	54.248	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	121429	54.812	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81452m	51.723	ug/l	
77) Bromobenzene	12.75	156	187946	52.681	ug/l	100
78) n-propylbenzene	12.81	91	843455	49.773	ug/l	100
79) 2-Chlorotoluene	12.90	91	483845	50.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	620673	50.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33531	50.898	ug/l	99
82) 4-Chlorotoluene	12.99	91	515927	51.728	ug/l	100
83) tert-Butylbenzene	13.21	119	549836	50.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	633378	50.975	ug/l	100
85) sec-Butylbenzene	13.39	105	771741	49.724	ug/l	100
86) p-Isopropyltoluene	13.51	119	693333	49.388	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	366934	51.680	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	361048	51.072	ug/l	99
89) n-Butylbenzene	13.83	91	622969	48.523	ug/l	99
90) Hexachloroethane	14.10	117	120409	50.637	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	331113	52.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20679	52.135	ug/l	97

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Quant Title : SW846 8260
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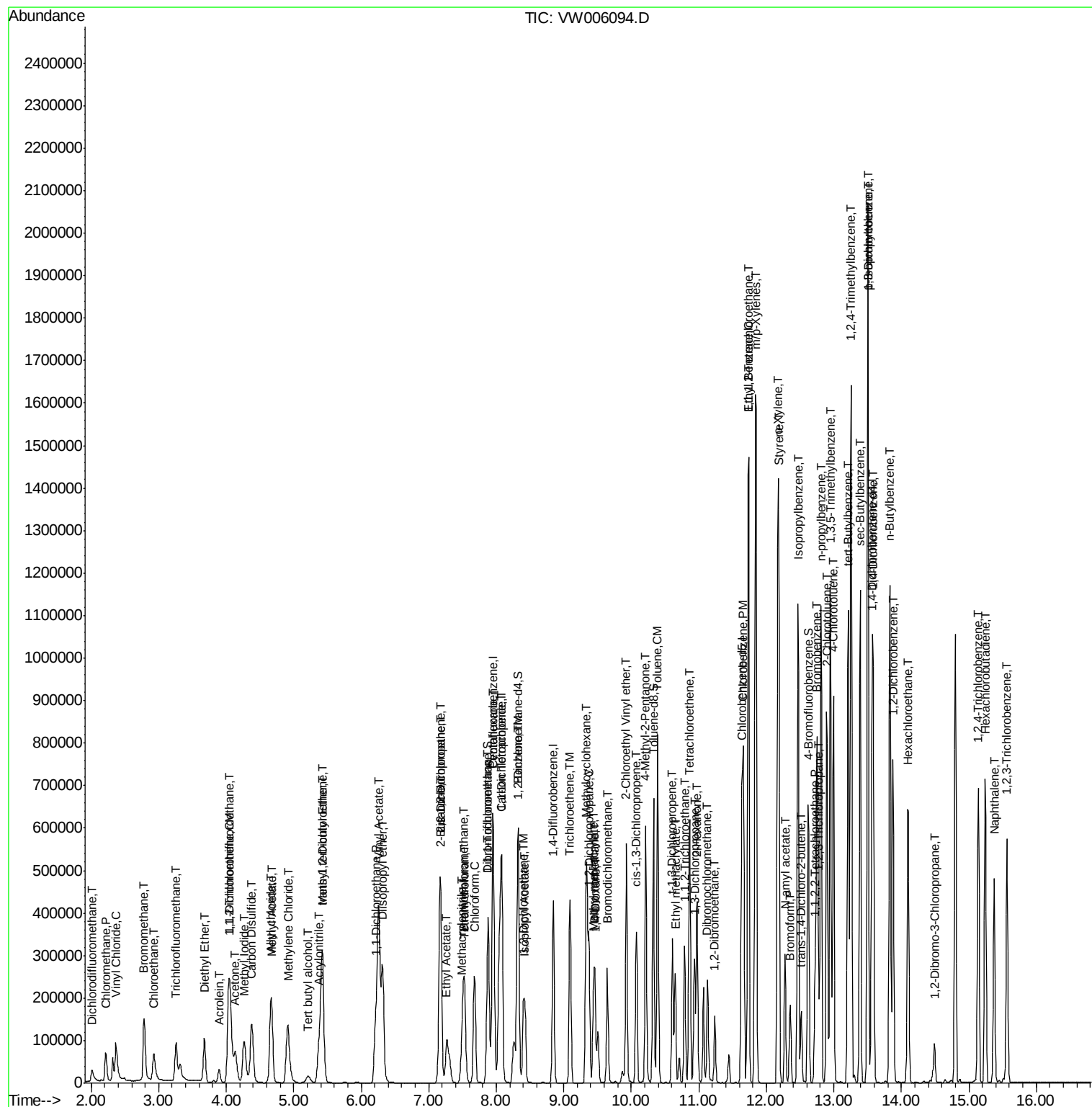
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	240604	49.374	ug/l	100
94) Hexachlorobutadiene	15.24	225	148425	48.485	ug/l	99
95) Naphthalene	15.38	128	429734	53.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	212435	50.400	ug/l	100

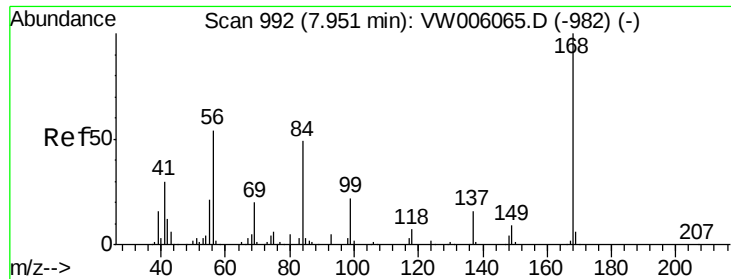
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

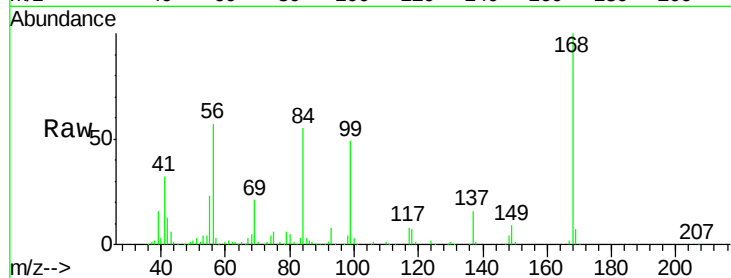
VSTDCCC050

Tgt Ion:168 Resp: 261610

Ion Ratio Lower Upper

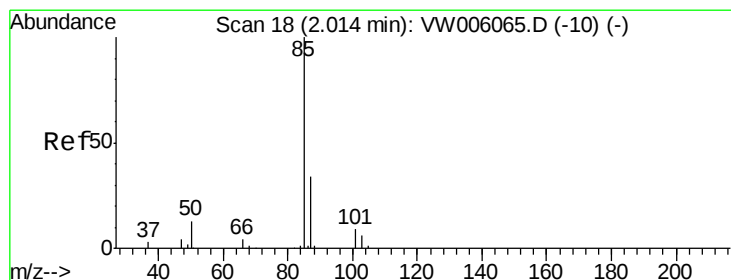
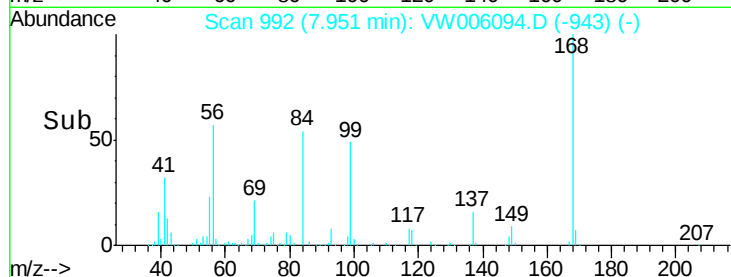
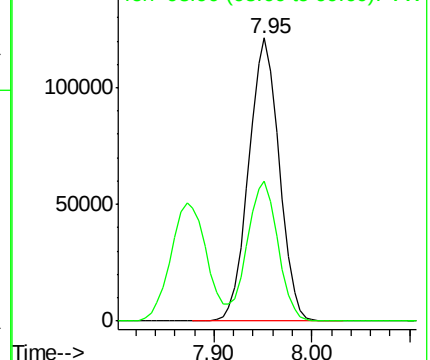
168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 44.675 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006094.D

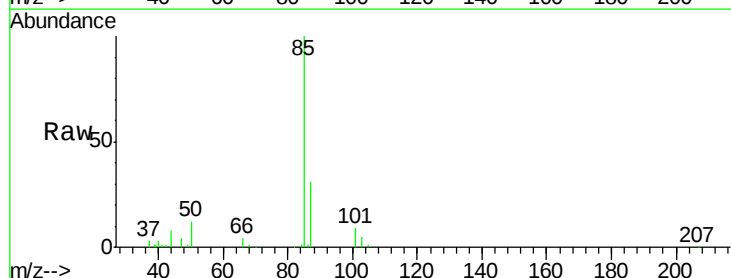
Acq: 16 Oct 2018 23:11

Tgt Ion: 85 Resp: 57836

Ion Ratio Lower Upper

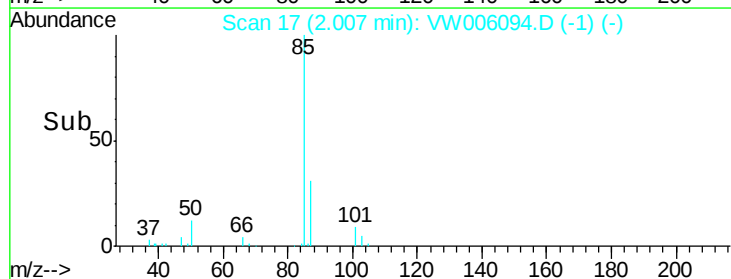
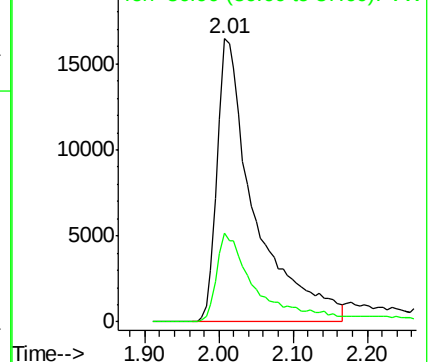
85 100

87 31.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.857 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

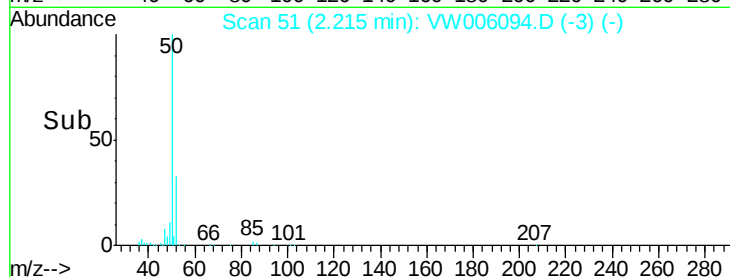
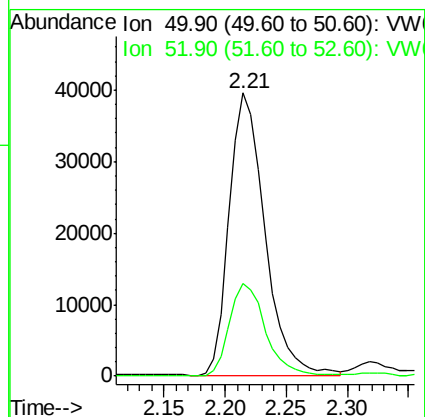
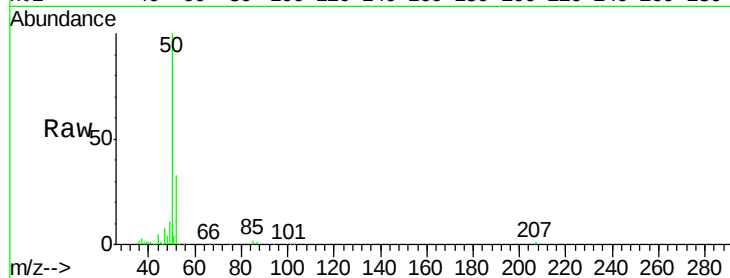
VSTDCCC050

Tgt Ion: 50 Resp: 79751

Ion Ratio Lower Upper

50 100

52 32.9 26.8 40.2



#4

Vinyl Chloride

Concen: 50.924 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006094.D

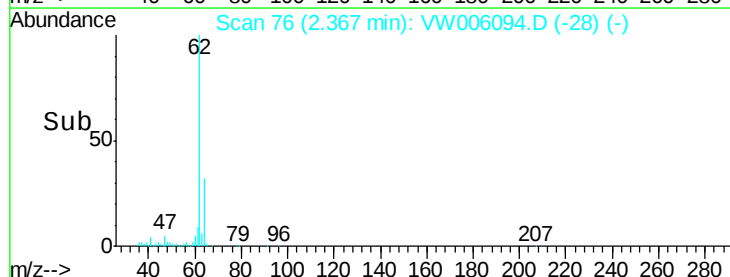
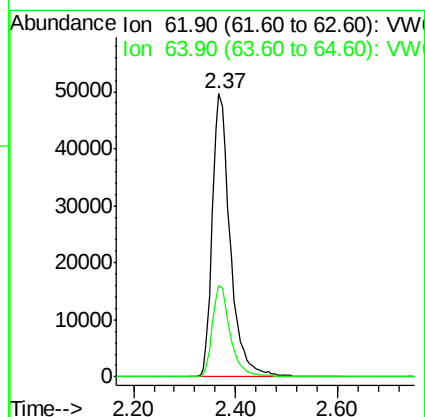
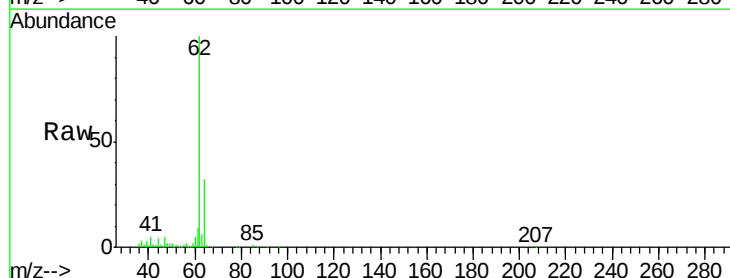
Acq: 16 Oct 2018 23:11

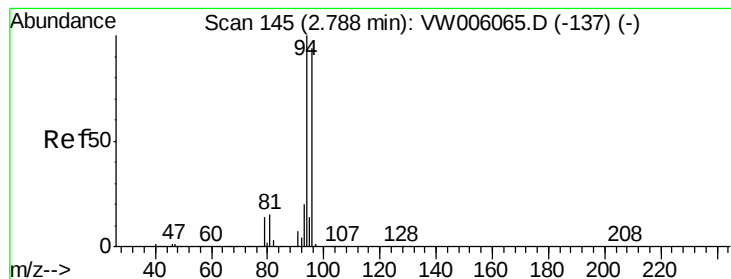
Tgt Ion: 62 Resp: 121191

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 55.822 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

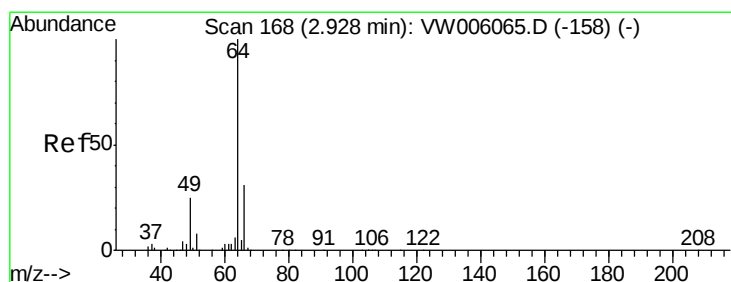
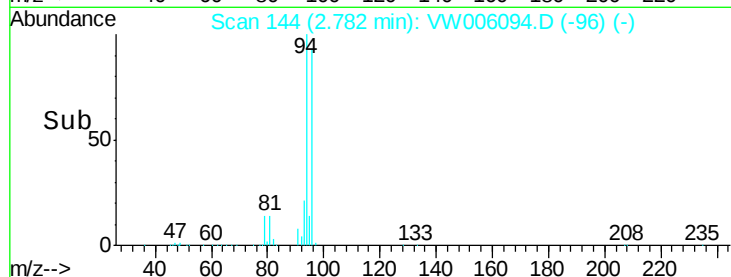
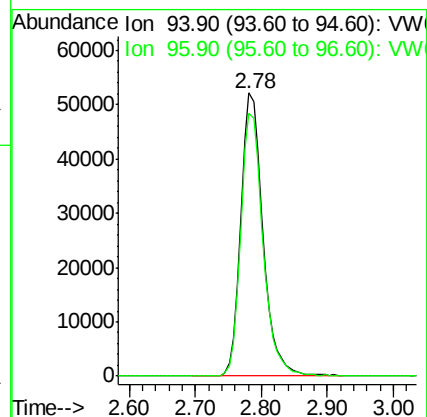
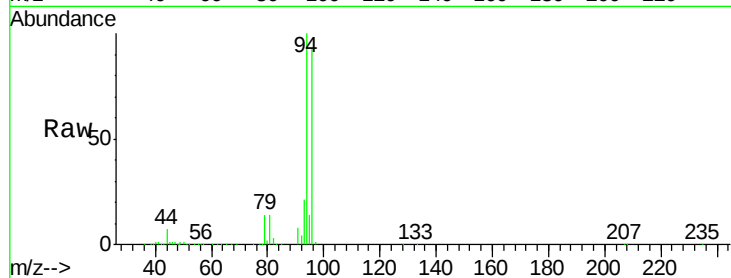
VSTDCCC050

Tgt Ion: 94 Resp: 120831

Ion Ratio Lower Upper

94 100

96 93.0 74.9 112.3



#6

Chloroethane

Concen: 52.443 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006094.D

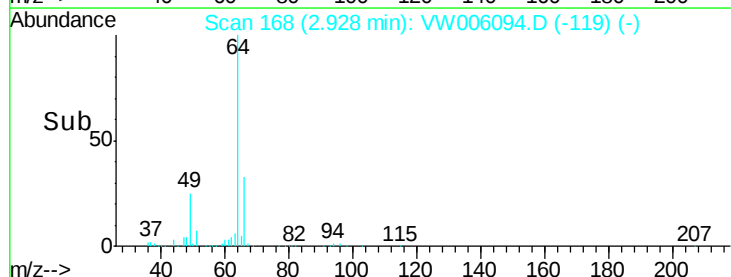
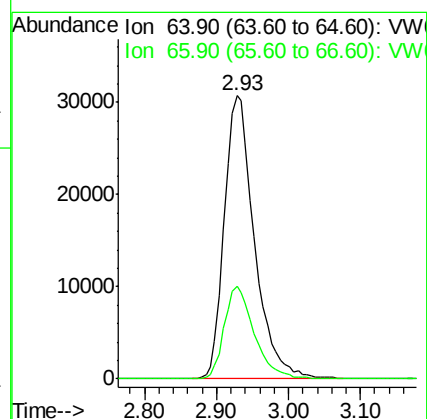
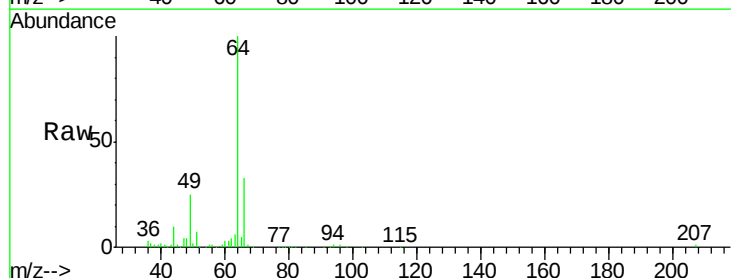
Acq: 16 Oct 2018 23:11

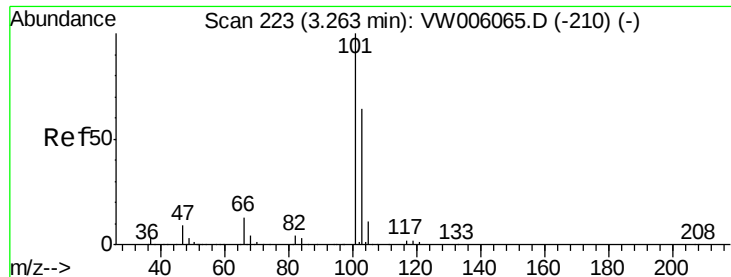
Tgt Ion: 64 Resp: 89441

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3



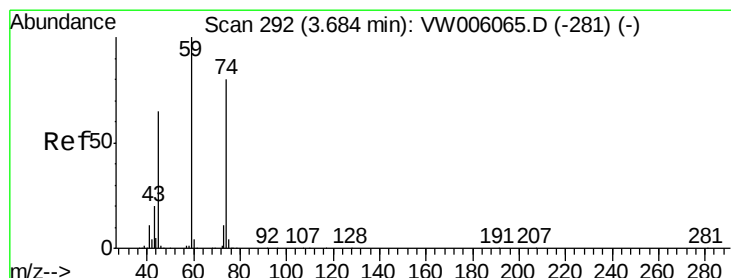
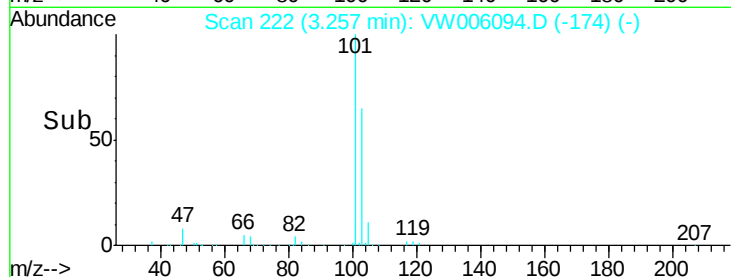
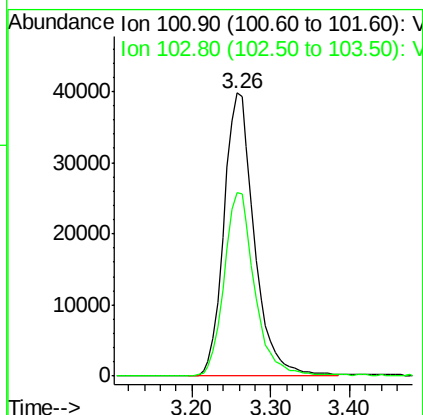
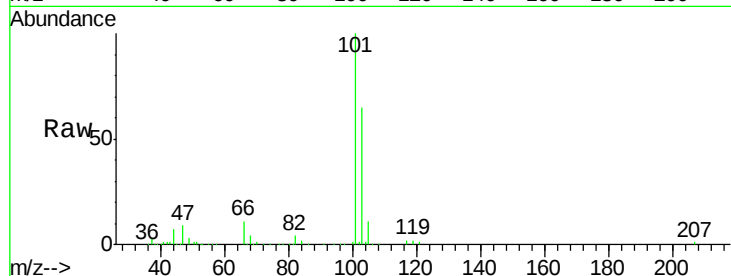


#7

Trichlorofluoromethane
 Concen: 48.085 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Instrument :
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 ClientSampleId :
 VSTDCCC050

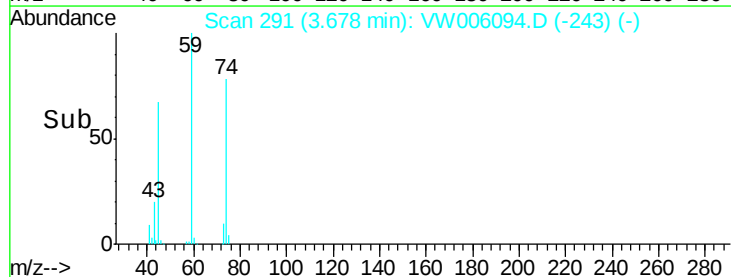
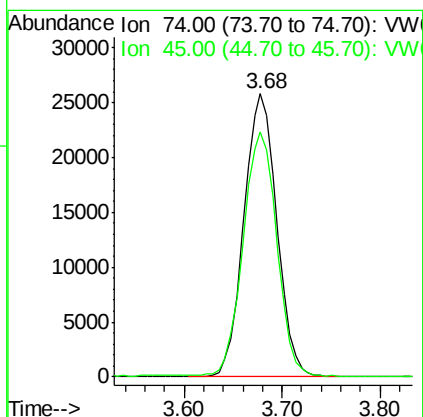
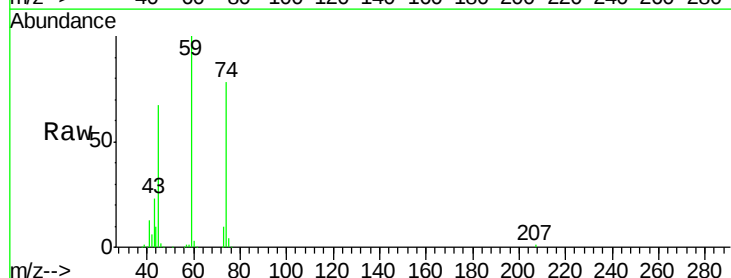
Tgt Ion:101 Resp: 106605
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8



#8

Diethyl Ether
 Concen: 51.331 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 74 Resp: 60480
 Ion Ratio Lower Upper
 74 100
 45 89.1 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.826 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

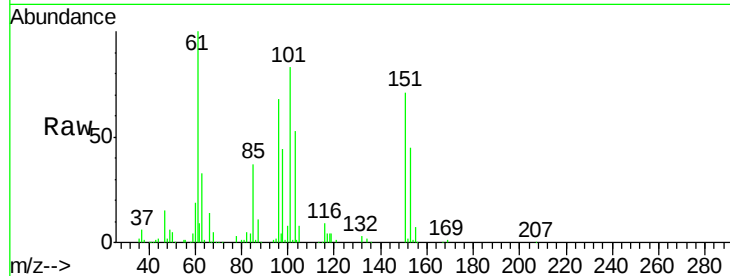
Tgt Ion:101 Resp: 113441

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

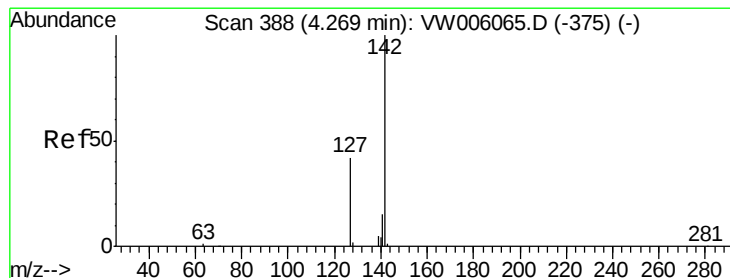
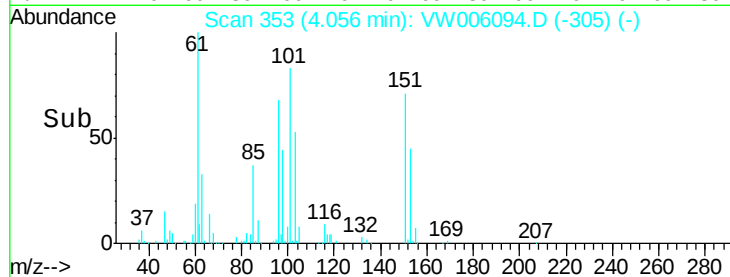
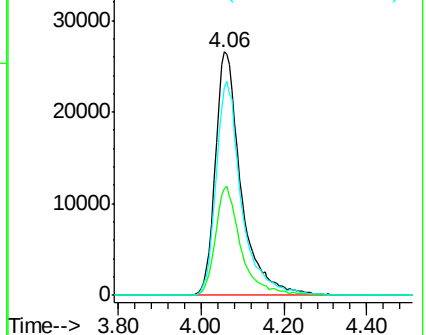
151 86.7 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.004 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

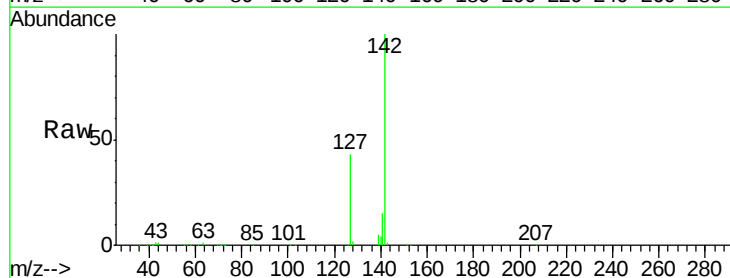
Tgt Ion:142 Resp: 204967

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

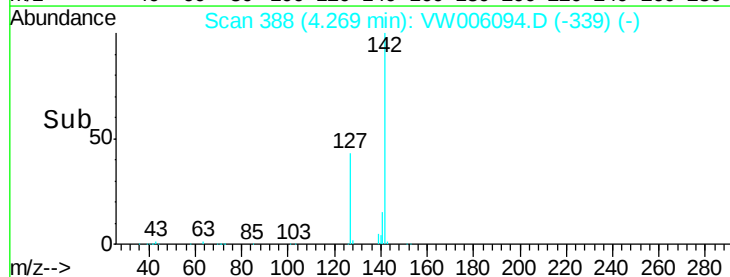
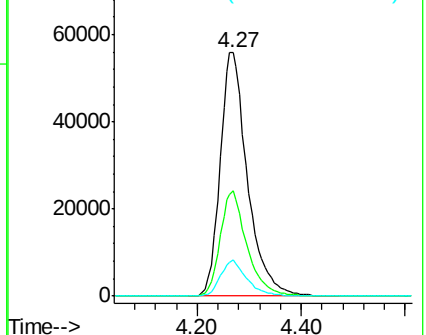
141 14.2 11.6 17.4

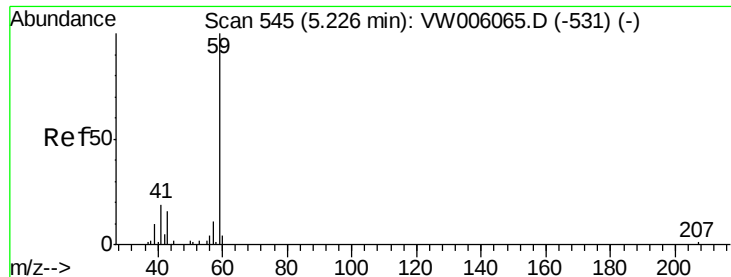


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



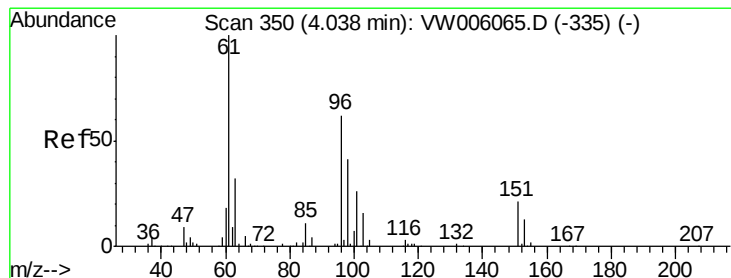
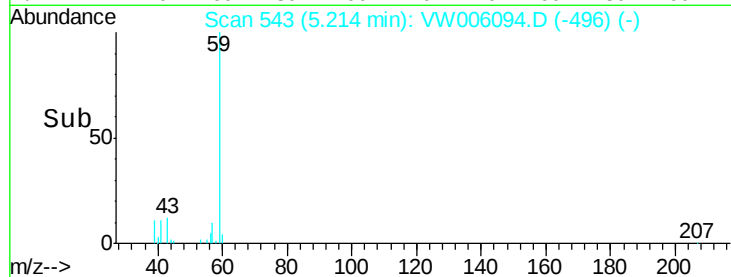
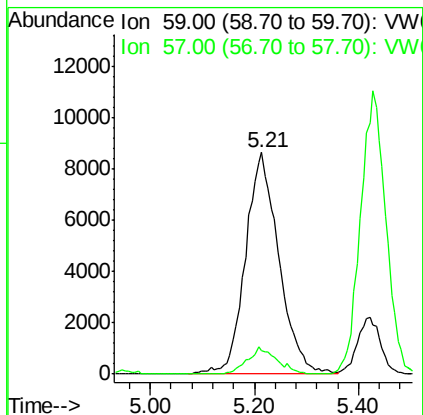
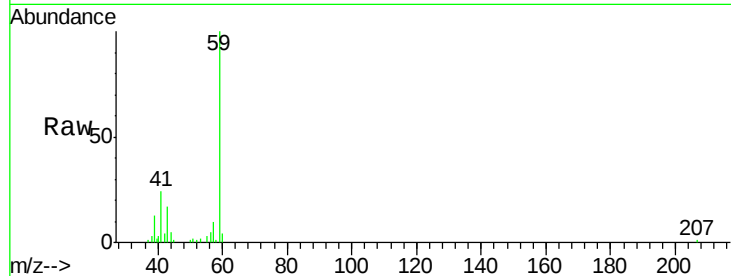


#11

Tert butyl alcohol
 Concen: 262.458 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

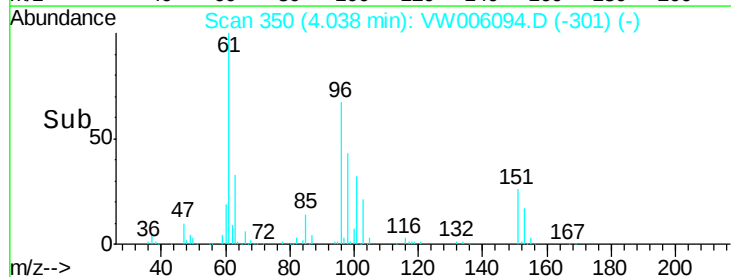
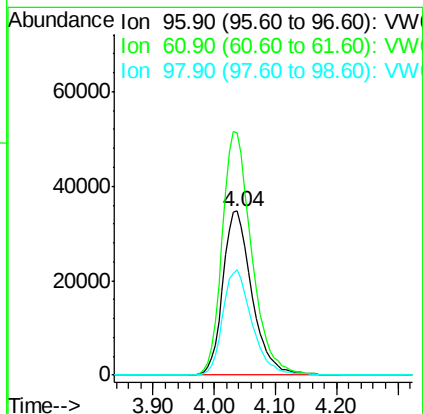
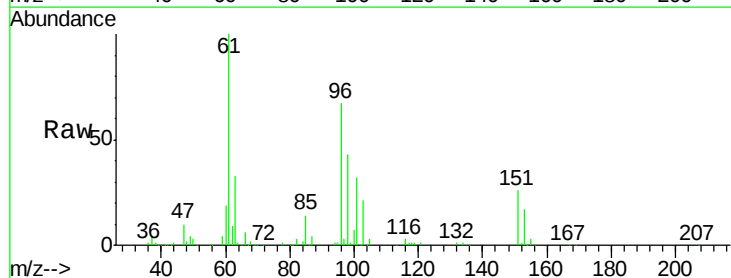
Tgt Ion: 59 Resp: 38284
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.7 13.1

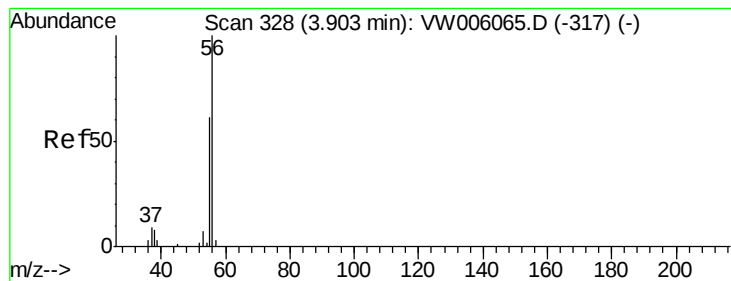


#12

1,1-Dichloroethene
 Concen: 52.263 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 96 Resp: 114238
 Ion Ratio Lower Upper
 96 100
 61 148.2 129.3 193.9
 98 64.4 53.1 79.7





#13

Acrolein

Concen: 266.270 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

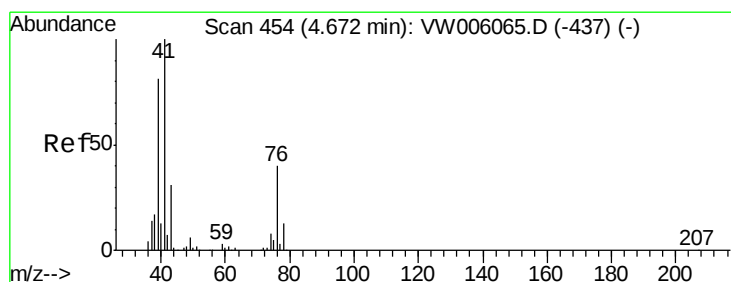
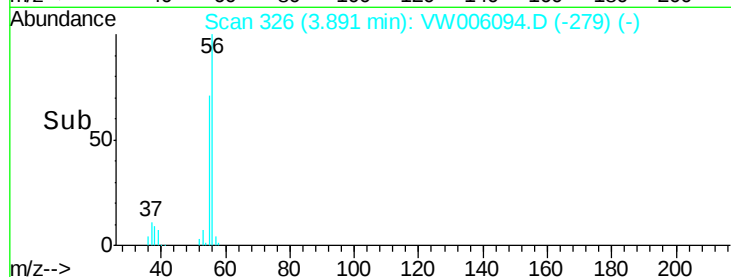
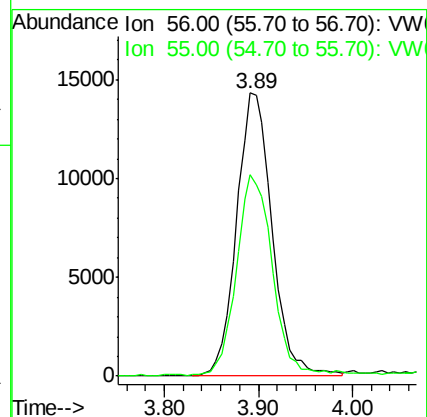
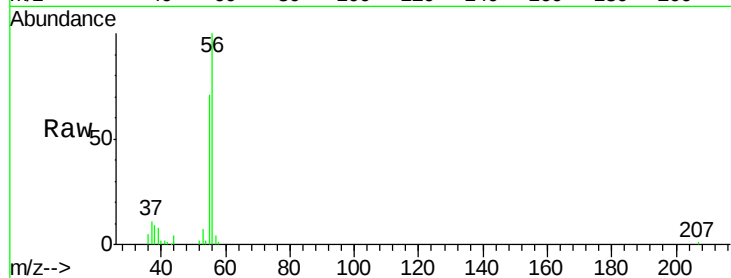
VSTDCCC050

Tgt Ion: 56 Resp: 37583

Ion Ratio Lower Upper

56 100

55 72.1 54.5 81.7



#14

Allyl chloride

Concen: 51.953 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

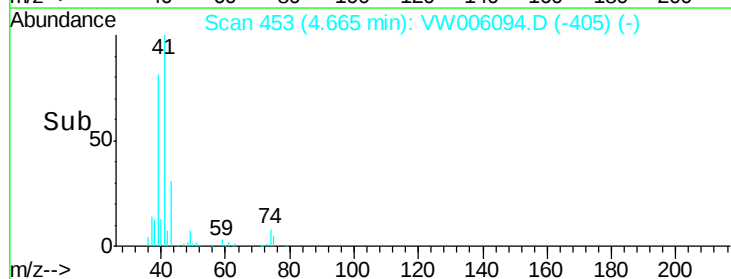
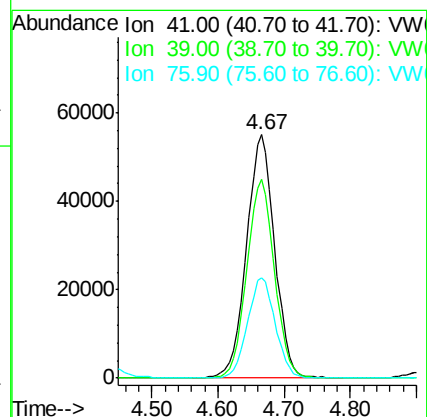
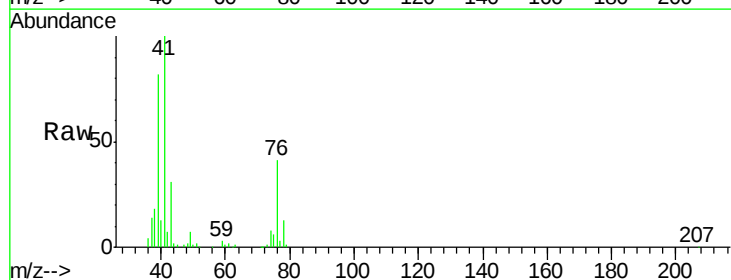
Tgt Ion: 41 Resp: 162374

Ion Ratio Lower Upper

41 100

39 80.5 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 281.454 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

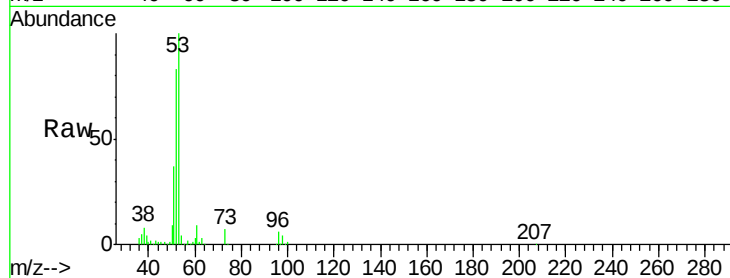
Tgt Ion: 53 Resp: 118944

Ion Ratio Lower Upper

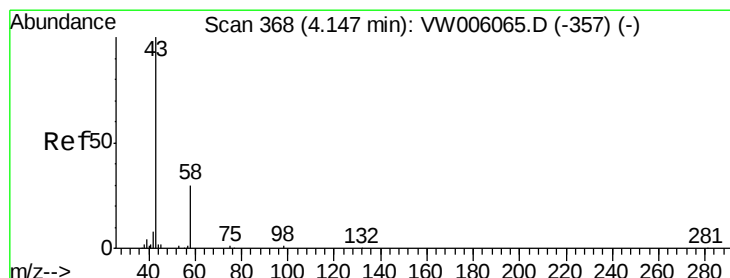
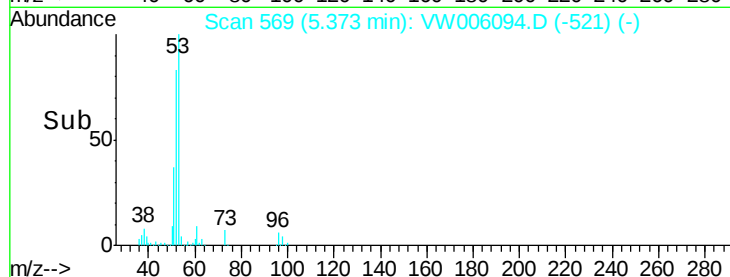
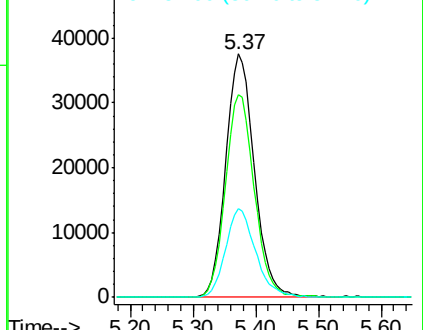
53 100

52 83.8 66.9 100.3

51 37.8 30.1 45.1



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: 249.599 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006094.D

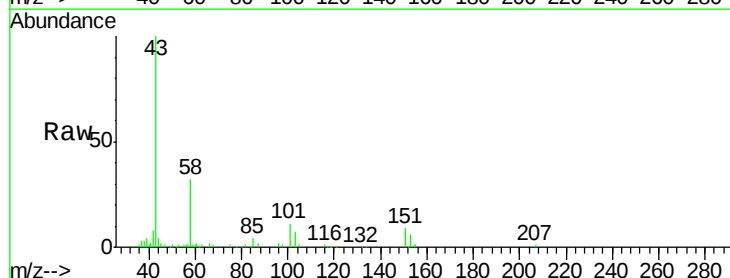
Acq: 16 Oct 2018 23:11

Tgt Ion: 43 Resp: 101571

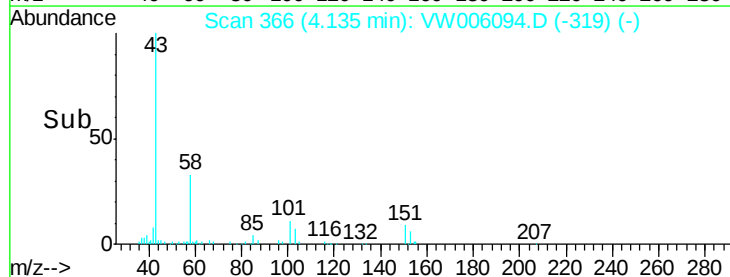
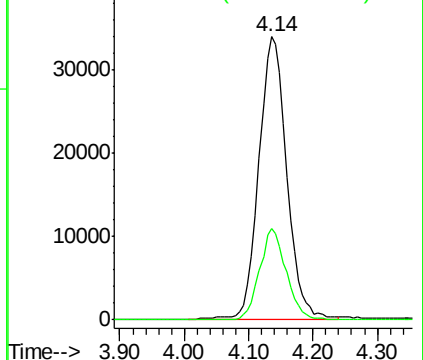
Ion Ratio Lower Upper

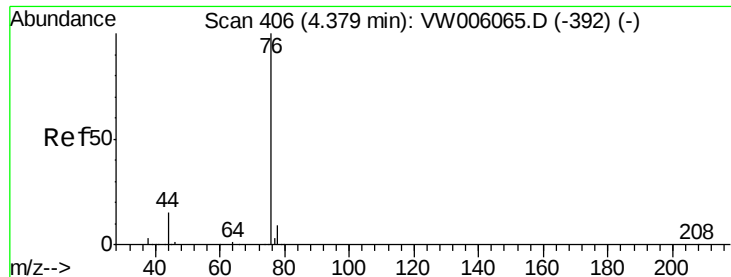
43 100

58 32.5 24.0 36.0



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





#17

Carbon Disulfide

Concen: 50.722 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

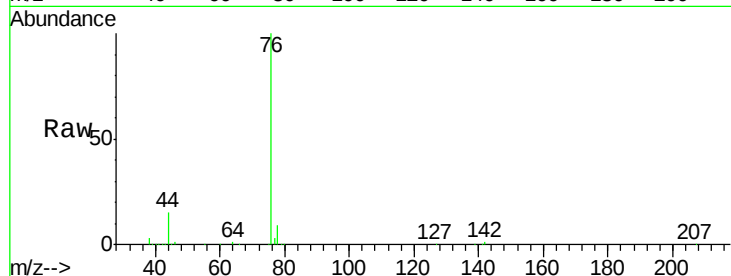
VSTDCCC050

Tgt Ion: 76 Resp: 334610

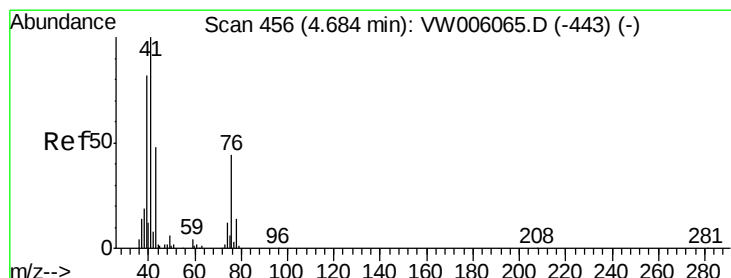
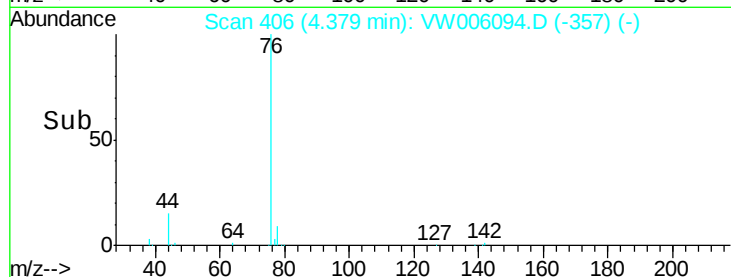
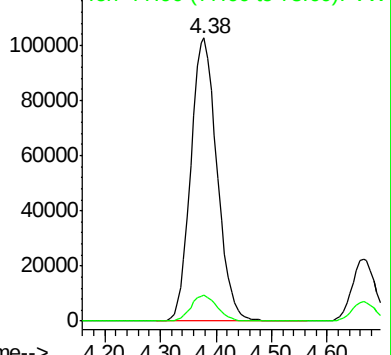
Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 54.556 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006094.D

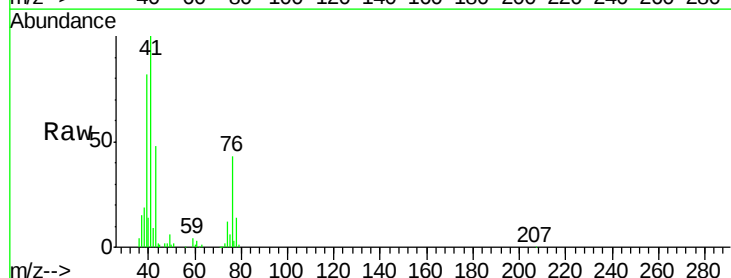
Acq: 16 Oct 2018 23:11

Tgt Ion: 43 Resp: 59547

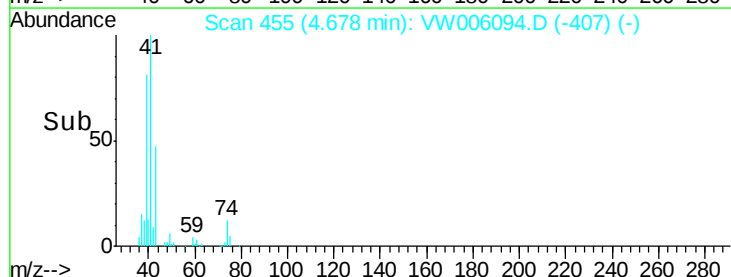
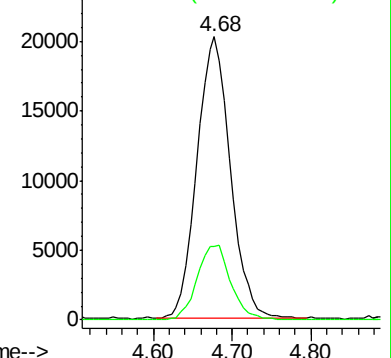
Ion Ratio Lower Upper

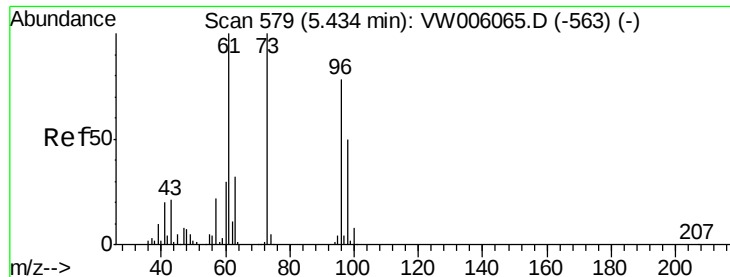
43 100

74 26.6 20.5 30.7



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

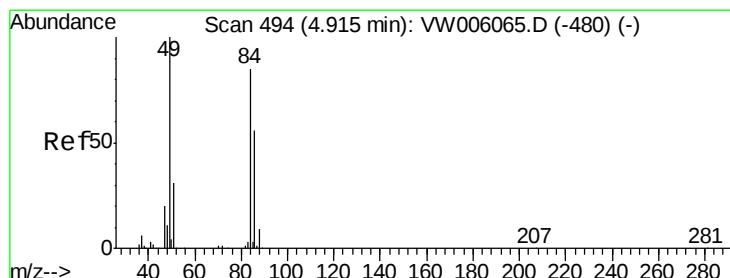
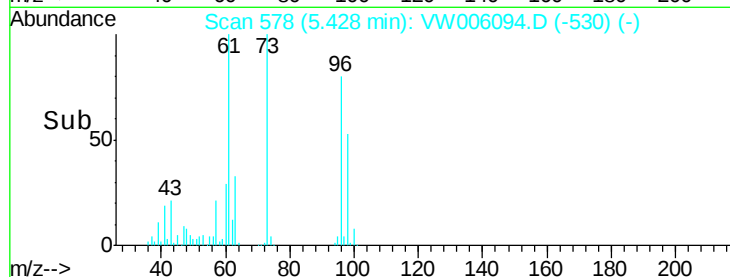
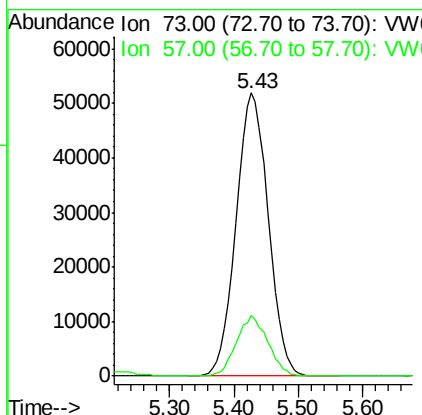
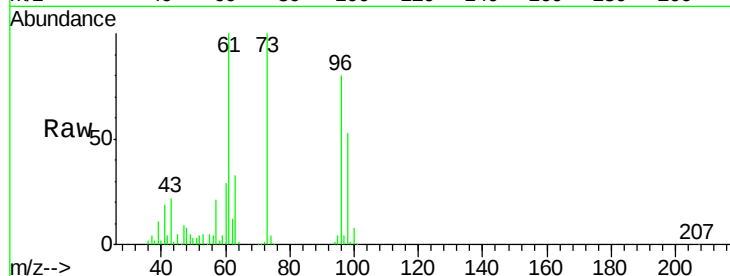




#19
Methyl tert-butyl Ether
Concen: 53.864 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

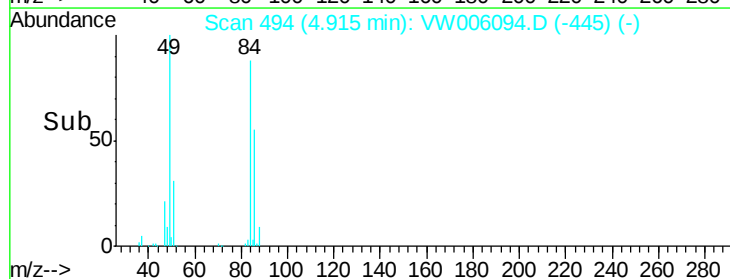
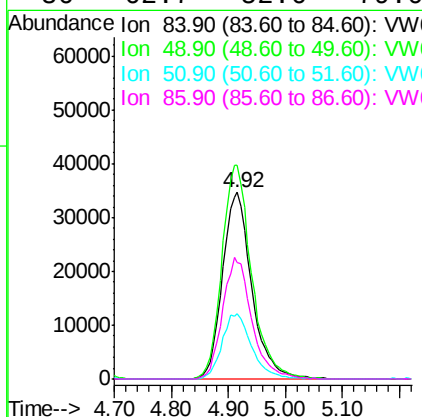
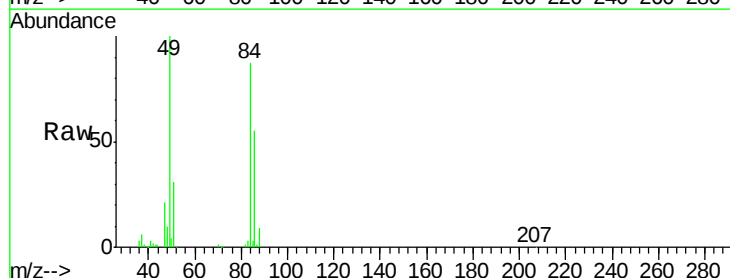
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

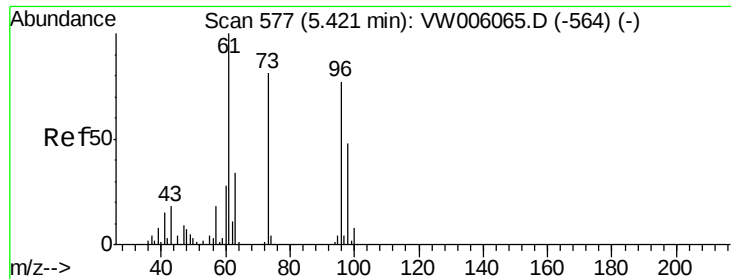
Tgt Ion: 73 Resp: 179328
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.2



#20
Methylene Chloride
Concen: 54.133 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 84 Resp: 123923
Ion Ratio Lower Upper
84 100
49 114.6 93.6 140.4
51 35.1 29.0 43.4
86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 53.939 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

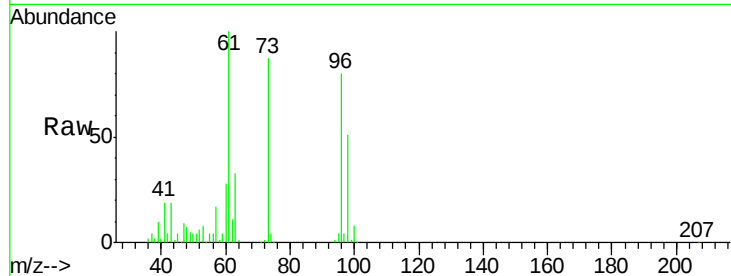
Tgt Ion: 96 Resp: 131602

Ion Ratio Lower Upper

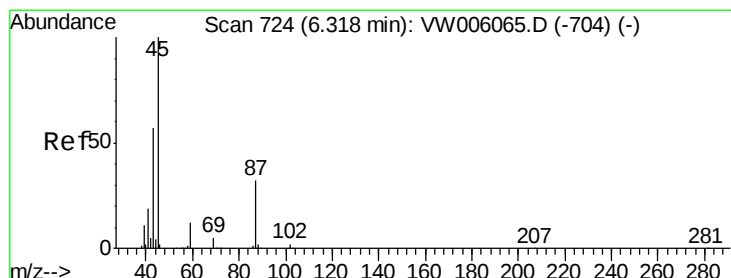
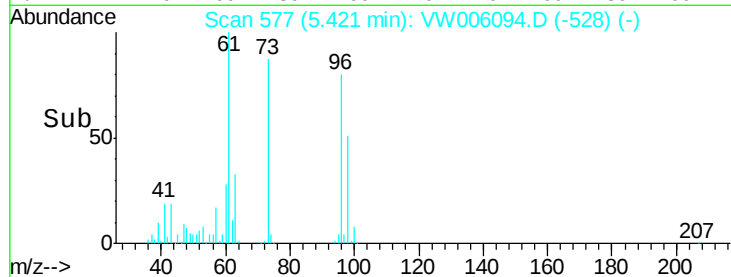
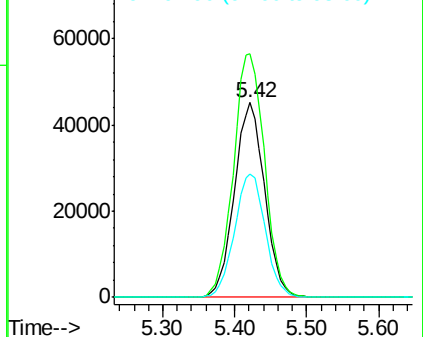
96 100

61 125.0 104.5 156.7

98 63.4 50.6 75.8



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



#22

Diisopropyl ether

Concen: 54.855 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Tgt Ion: 45 Resp: 338797

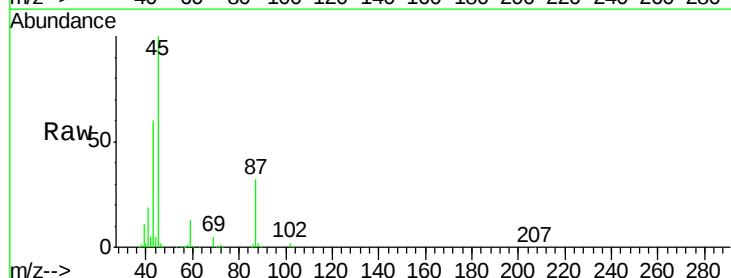
Ion Ratio Lower Upper

45 100

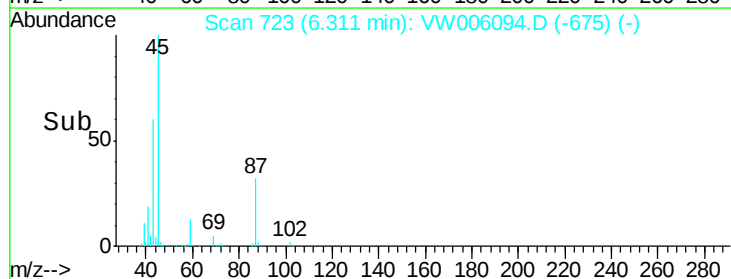
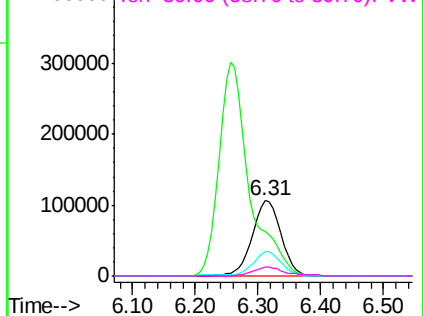
43 59.9 45.7 68.5

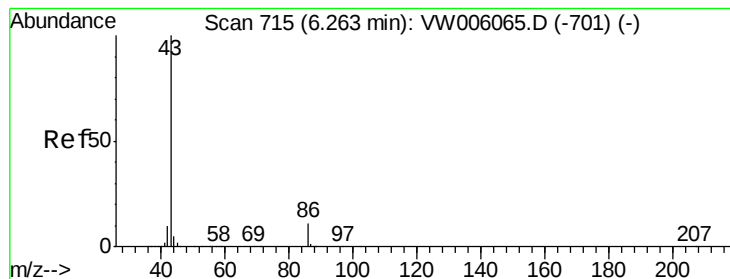
87 31.9 25.9 38.9

59 12.4 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 277.048 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

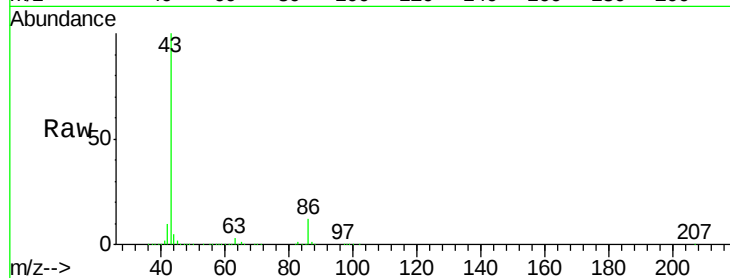
VSTDCCC050

Tgt Ion: 43 Resp: 1009823

Ion Ratio Lower Upper

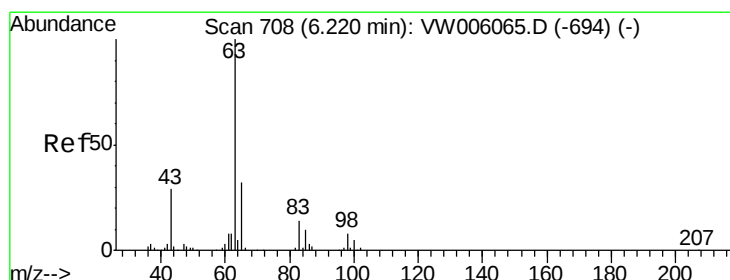
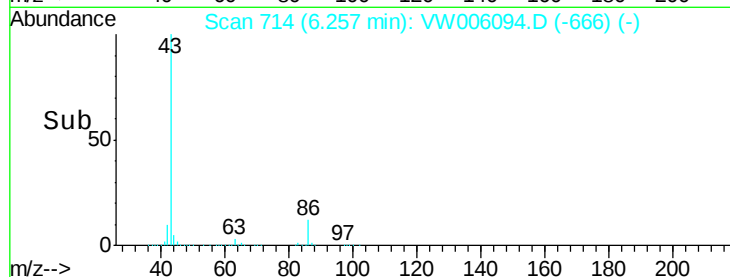
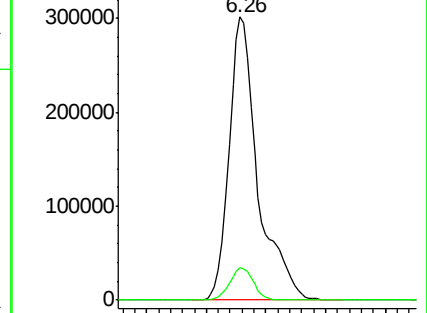
43 100

86 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 55.194 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

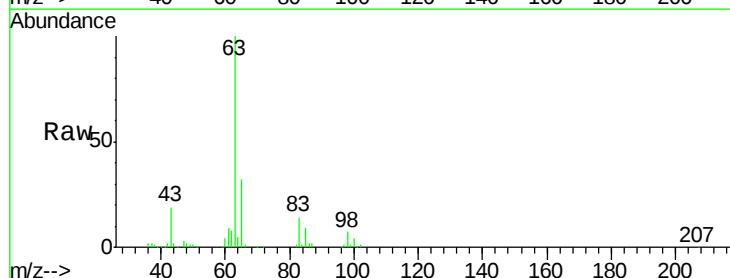
Tgt Ion: 63 Resp: 219965

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

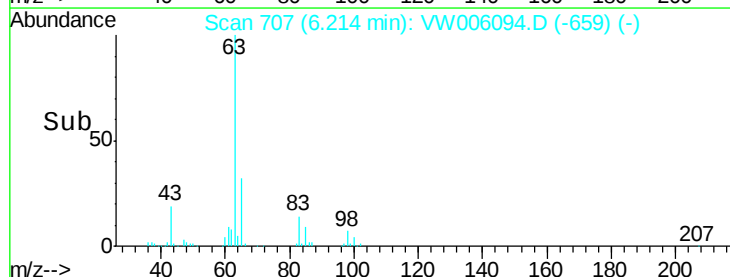
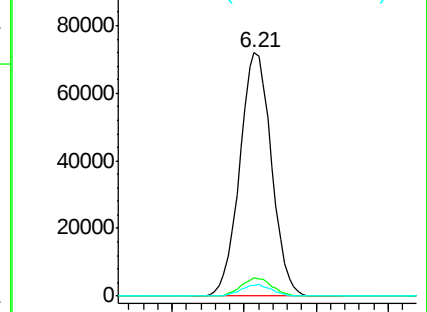
100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 269.645 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

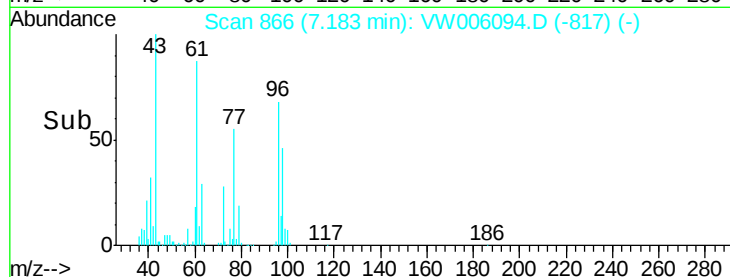
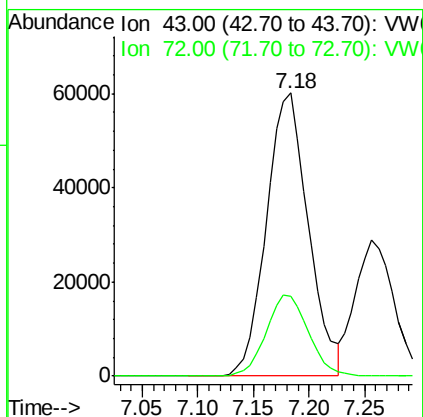
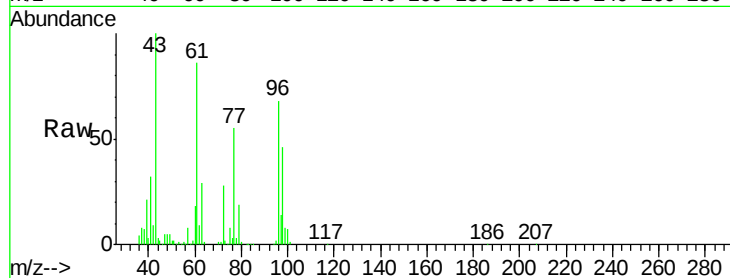
VSTDCCC050

Tgt Ion: 43 Resp: 157991

Ion Ratio Lower Upper

43 100

72 28.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 47.667 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006094.D

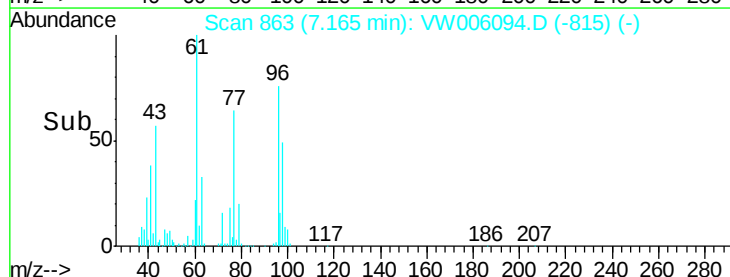
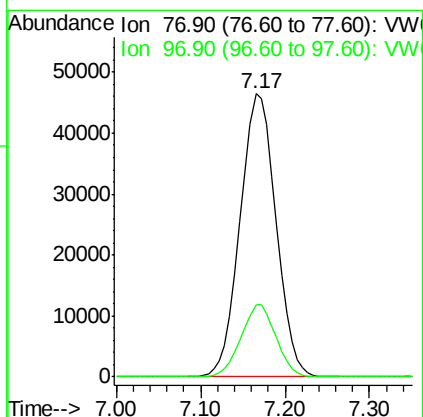
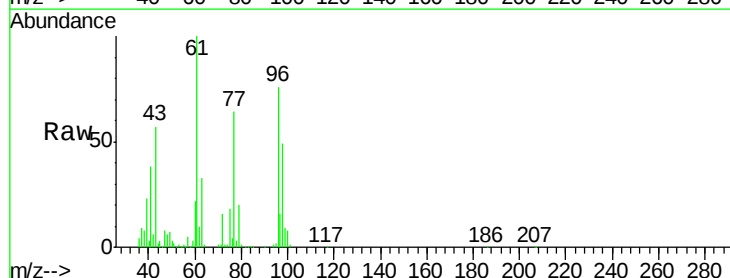
Acq: 16 Oct 2018 23:11

Tgt Ion: 77 Resp: 133982

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.4



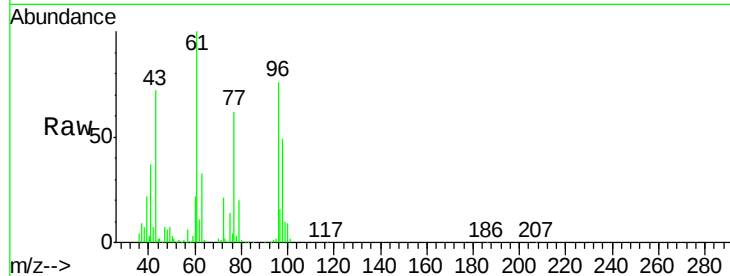


#27

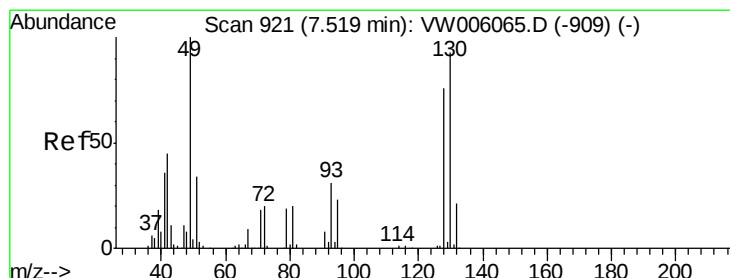
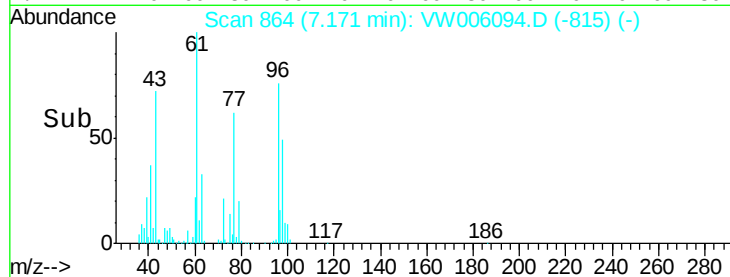
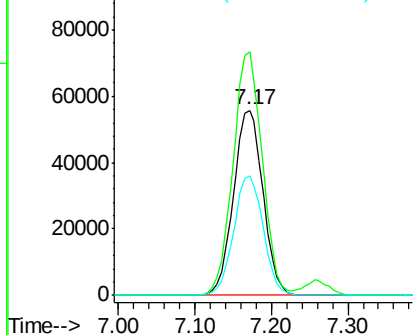
cis-1,2-Dichloroethene
Concen: 55.087 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 148318
Ion Ratio Lower Upper
96 100
61 130.9 0.0 267.2
98 64.8 0.0 128.6



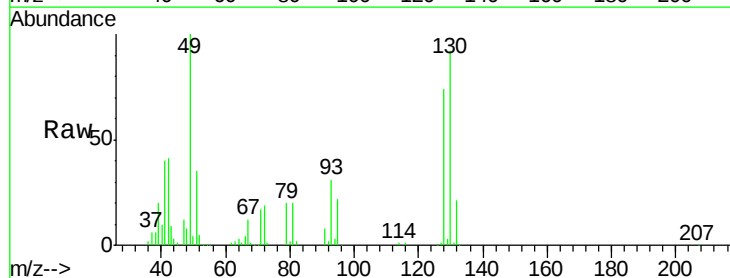
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



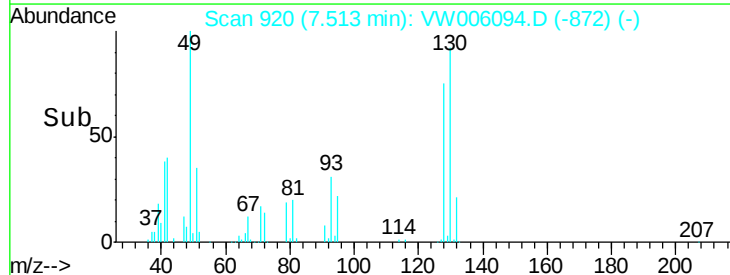
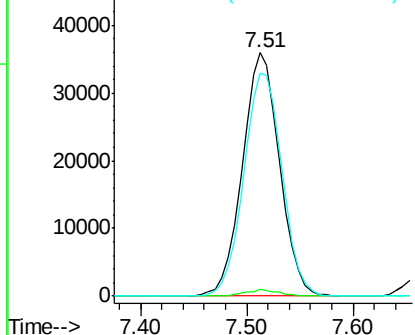
#28

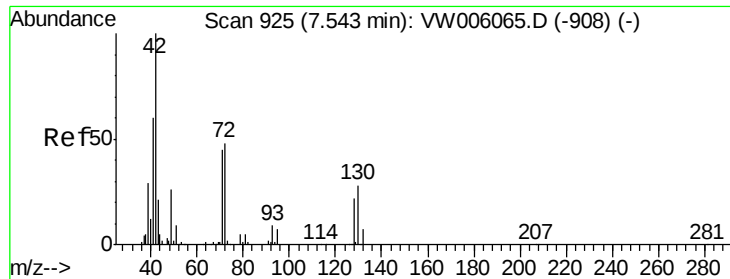
Bromochloromethane
Concen: 57.122 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 49 Resp: 87886
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.0
130 94.7 73.8 110.8



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

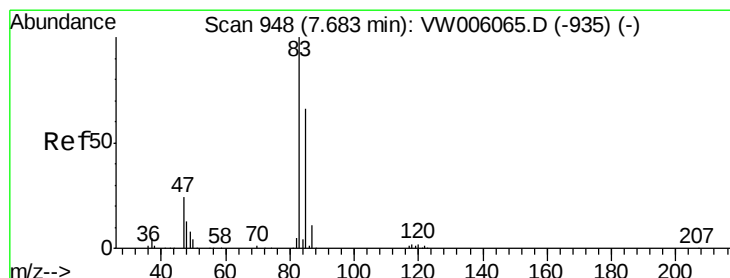
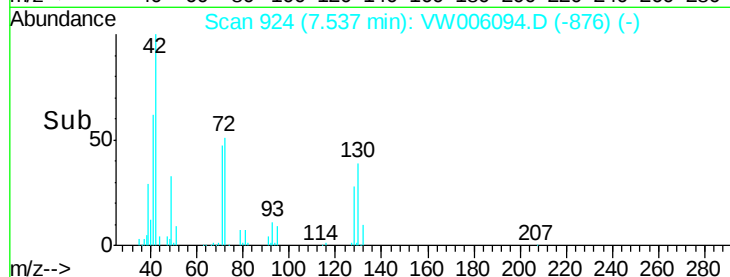
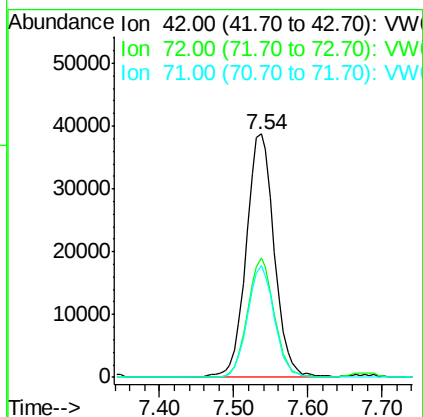
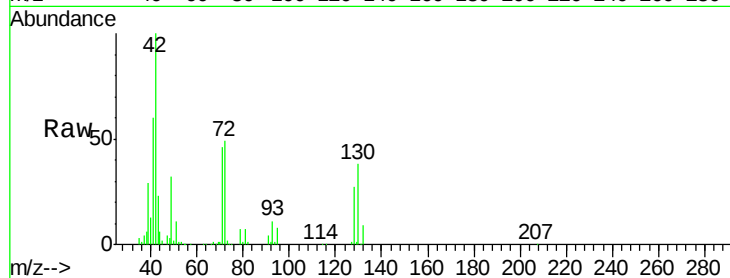




#29
Tetrahydrofuran
Concen: 285.001 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

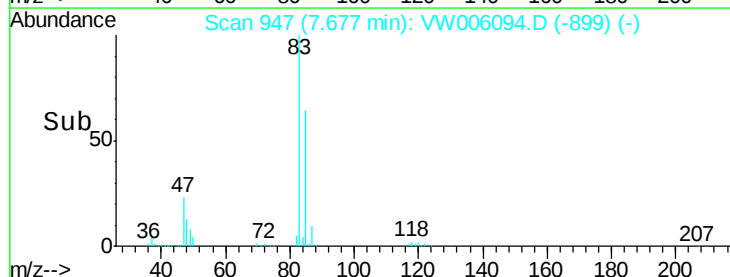
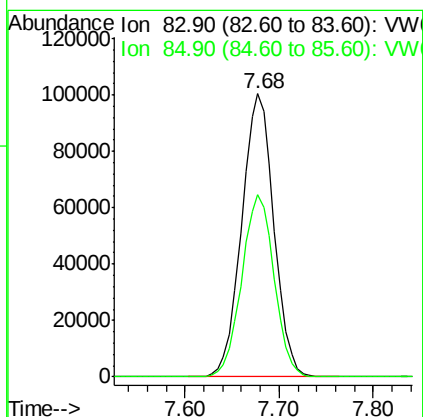
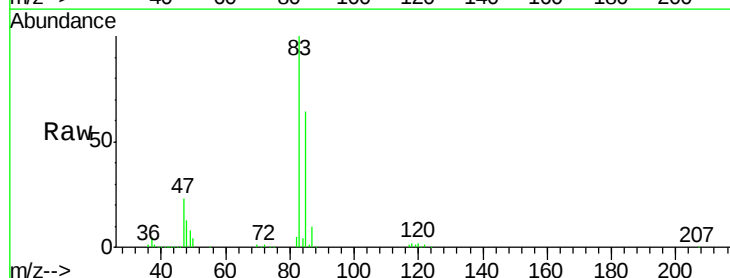
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

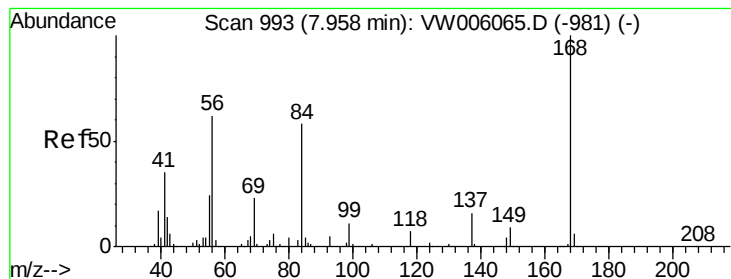
Tgt Ion: 42 Resp: 102644
Ion Ratio Lower Upper
42 100
72 46.7 38.0 57.0
71 44.0 35.3 52.9



#30
Chloroform
Concen: 55.128 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 83 Resp: 239365
Ion Ratio Lower Upper
83 100
85 64.4 52.6 79.0





#31

Cyclohexane

Concen: 46.560 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

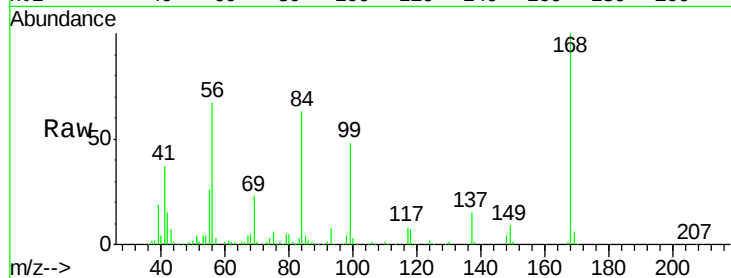
Tgt Ion: 56 Resp: 184786

Ion Ratio Lower Upper

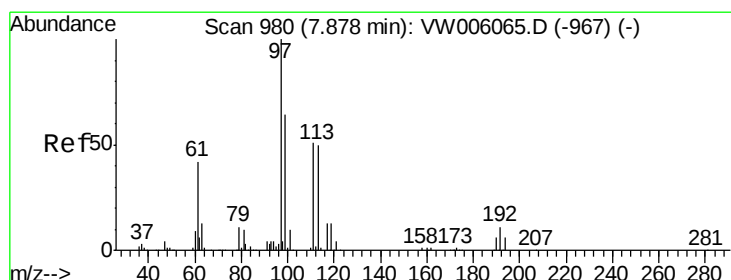
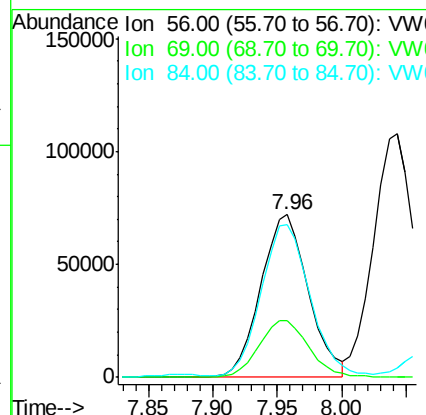
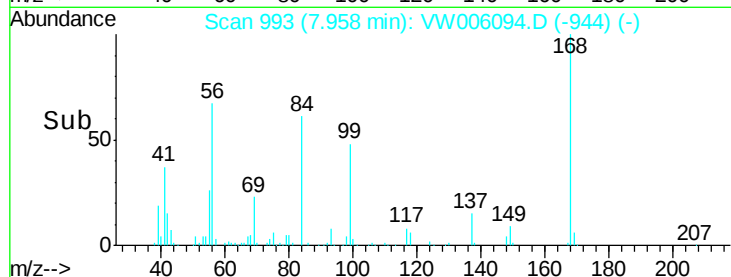
56 100

69 34.9 29.4 44.0

84 92.4 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 51.661 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

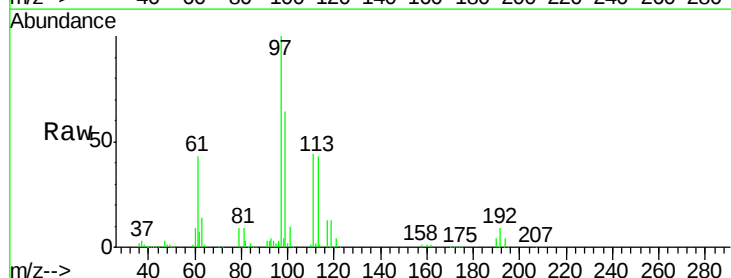
Tgt Ion: 97 Resp: 202344

Ion Ratio Lower Upper

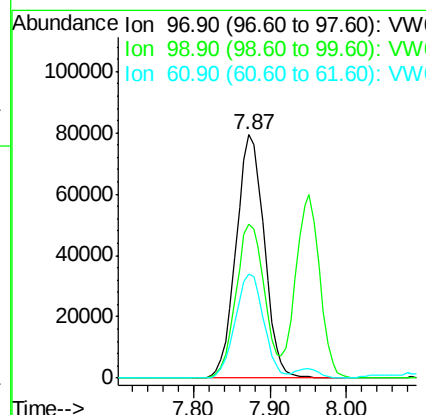
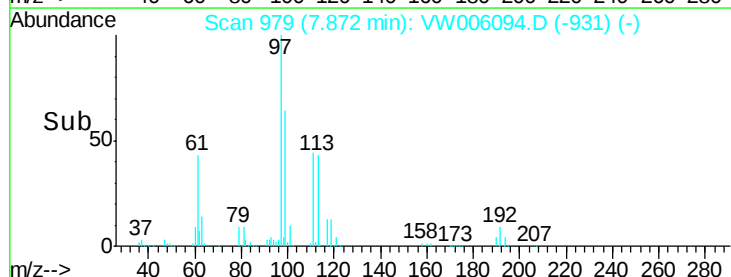
97 100

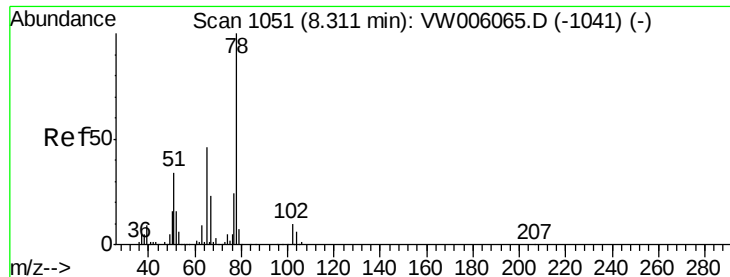
99 64.6 50.9 76.3

61 43.1 33.7 50.5



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

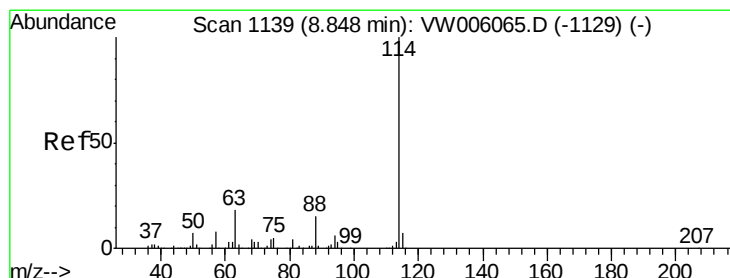
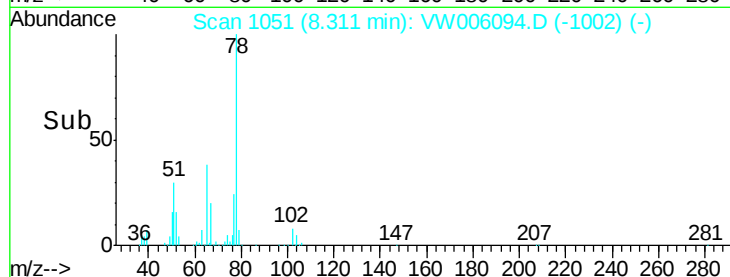
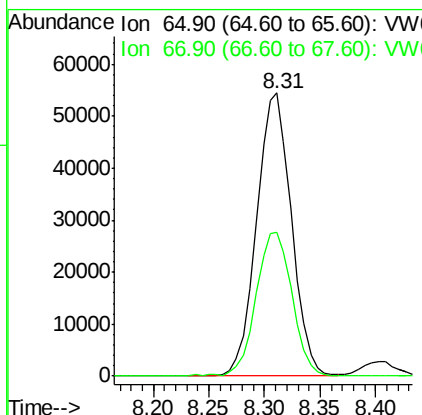
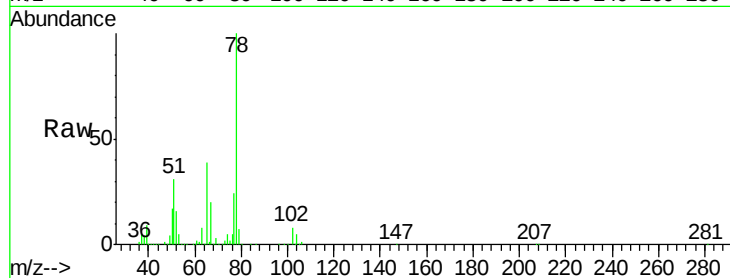




#33
 1,2-Dichloroethane-d4
 Concen: 54.578 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

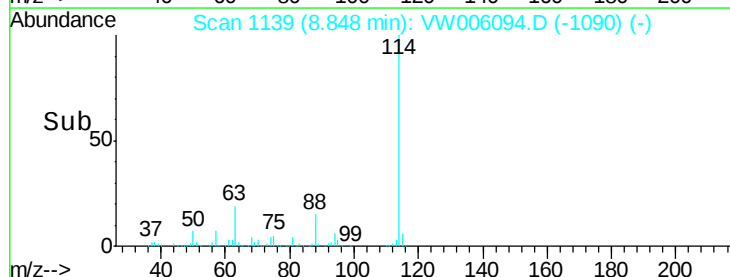
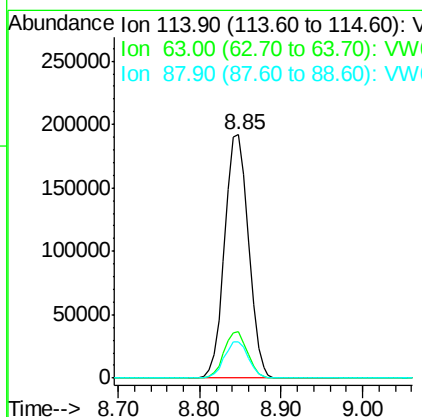
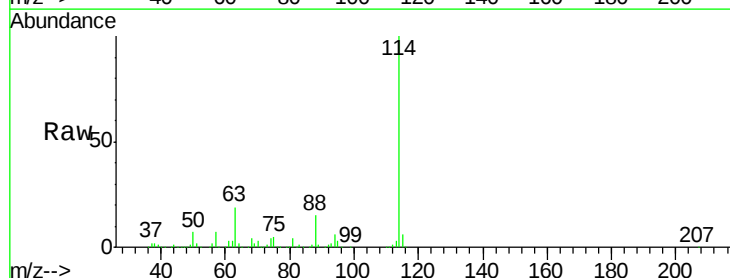
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

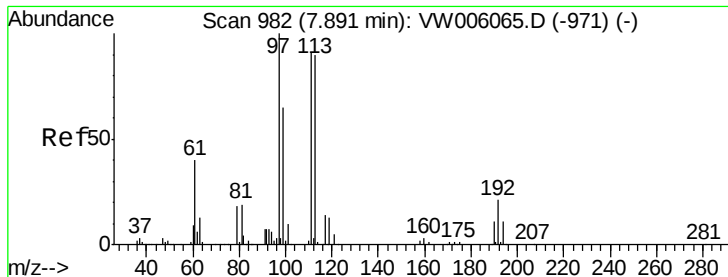
Tgt Ion: 65 Resp: 118373
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 114 Resp: 386872
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.8
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.968 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

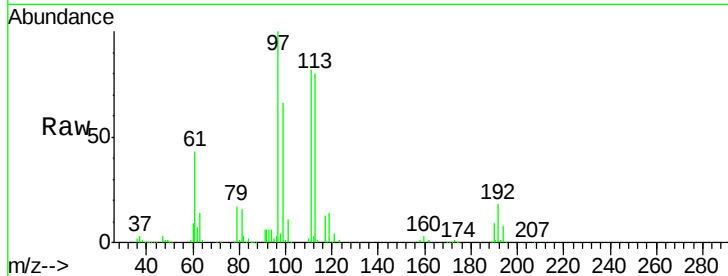
Tgt Ion: 113 Resp: 121085

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

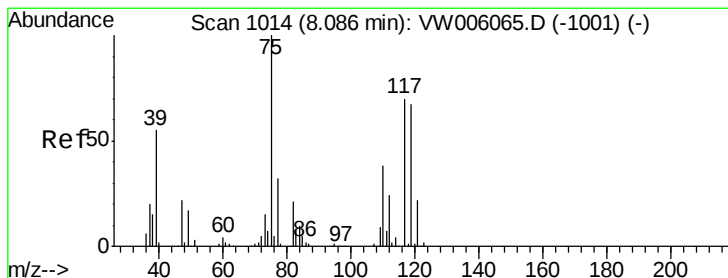
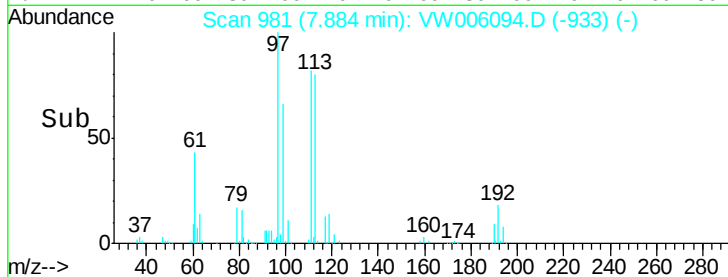
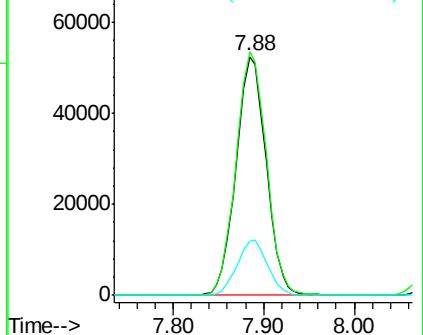
192 23.2 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.737 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

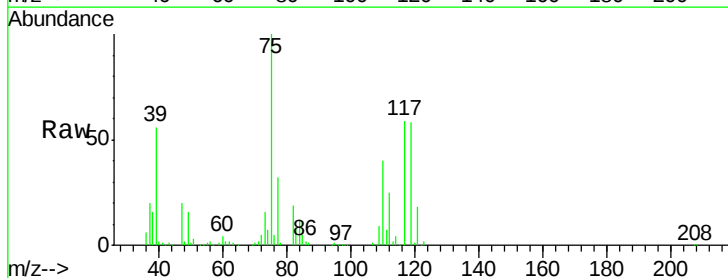
Tgt Ion: 75 Resp: 180922

Ion Ratio Lower Upper

75 100

110 38.5 19.1 57.1

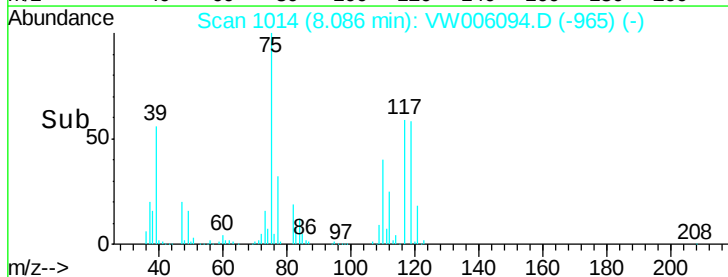
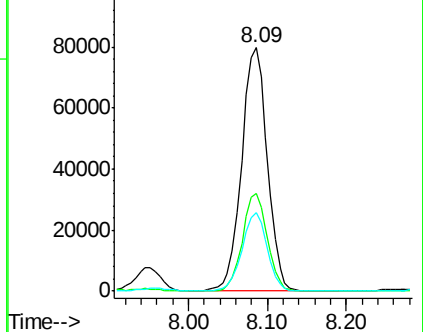
77 31.8 25.0 37.4

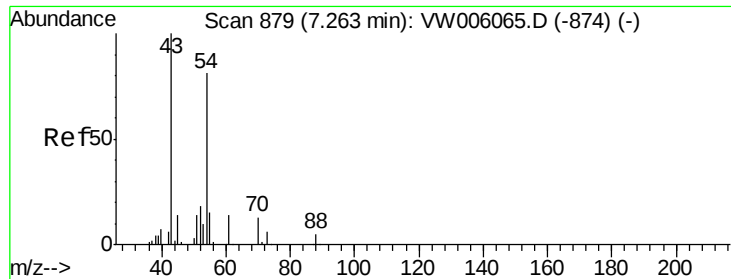


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

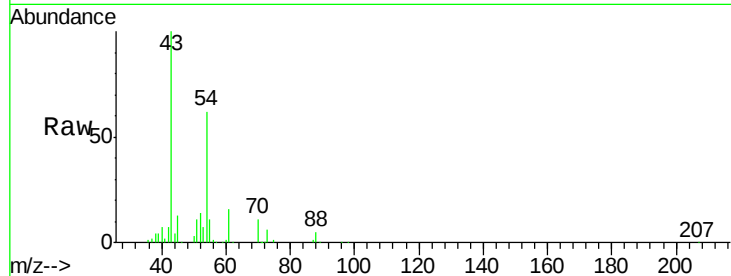




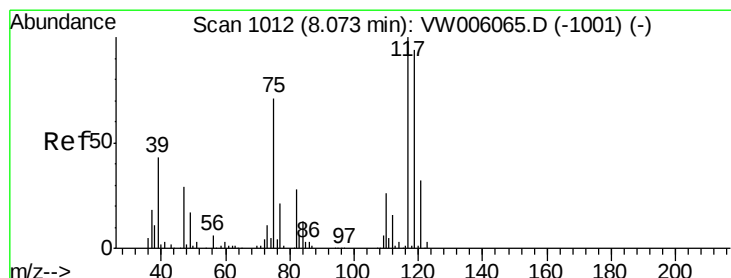
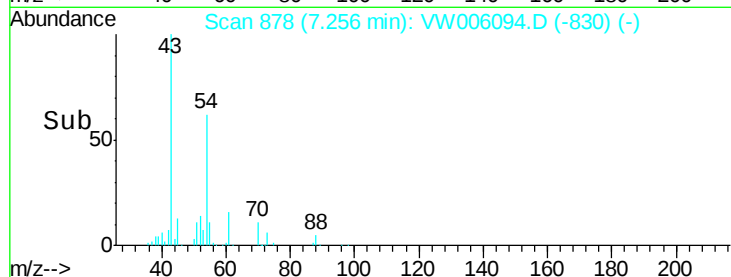
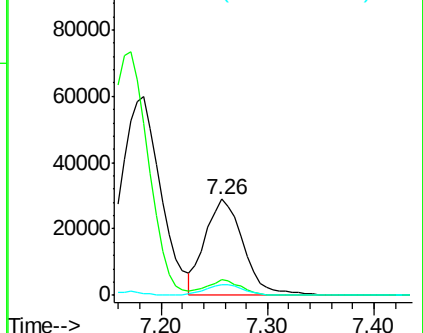
#37
 Ethyl Acetate
 Concen: 53.902 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 71413
 Ion Ratio Lower Upper
 43 100
 61 14.9 11.5 17.3
 70 11.3 9.2 13.8

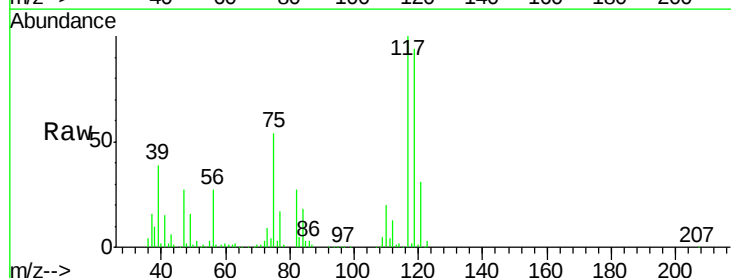


Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

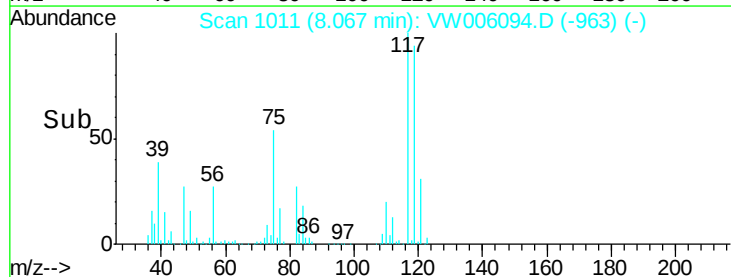
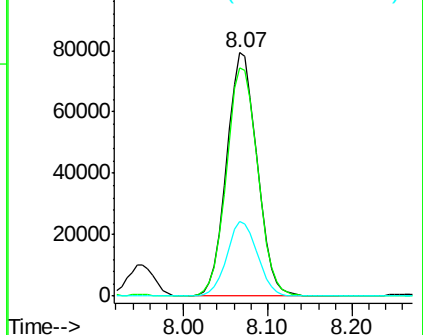


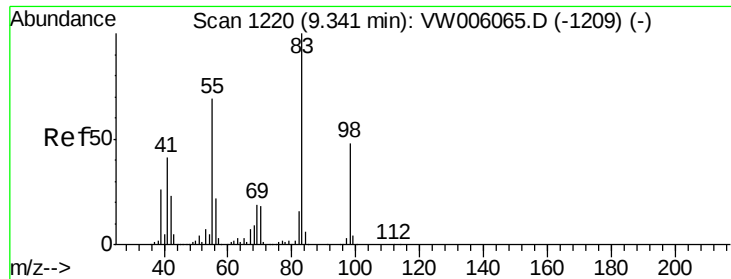
#38
 Carbon Tetrachloride
 Concen: 49.872 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 117 Resp: 194952
 Ion Ratio Lower Upper
 117 100
 119 94.0 75.2 112.8
 121 30.6 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

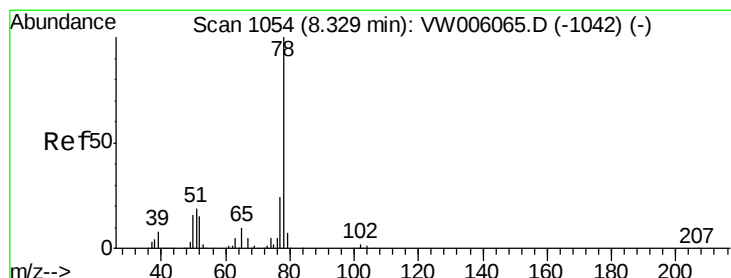
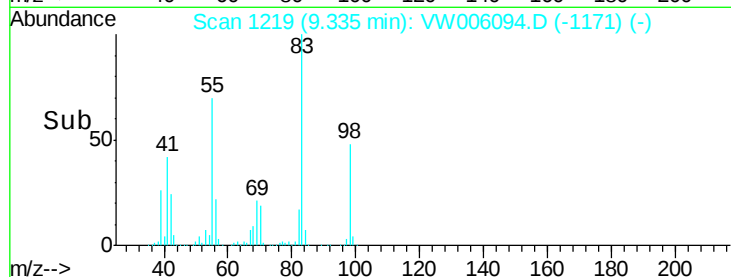
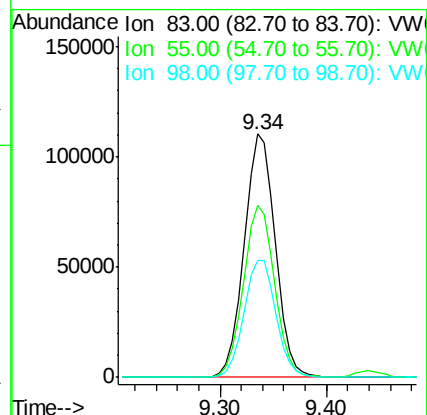
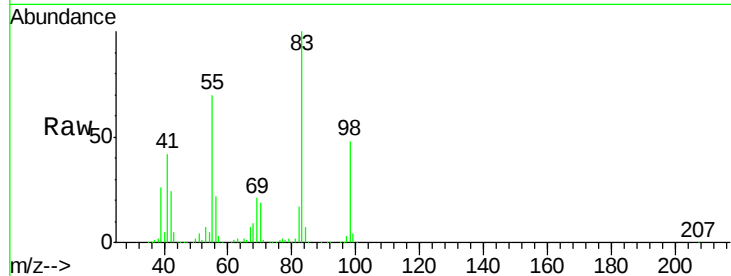




#39
Methylcyclohexane
Concen: 47.890 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

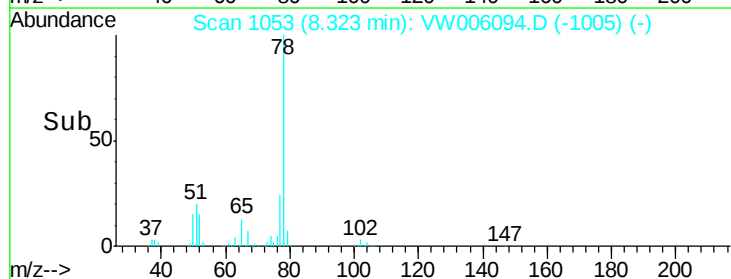
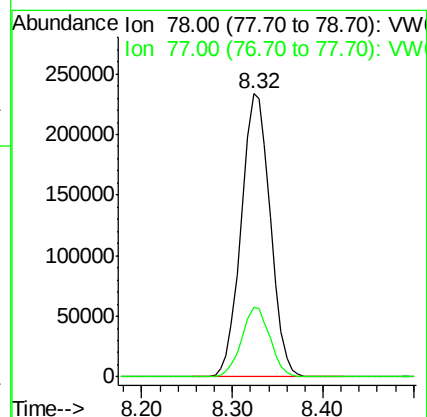
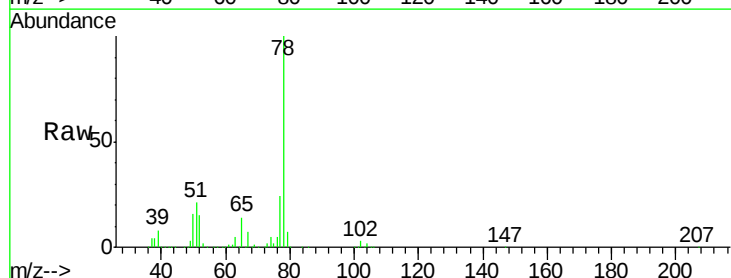
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

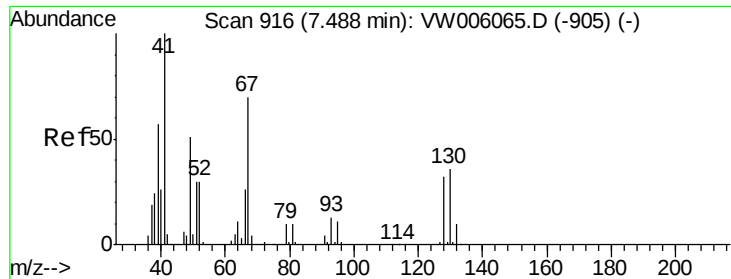
Tgt Ion: 83 Resp: 226998
Ion Ratio Lower Upper
83 100
55 70.5 55.0 82.6
98 48.1 38.6 57.8



#40
Benzene
Concen: 53.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 78 Resp: 518605
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

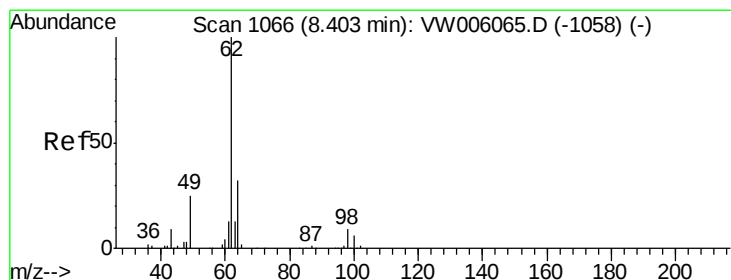
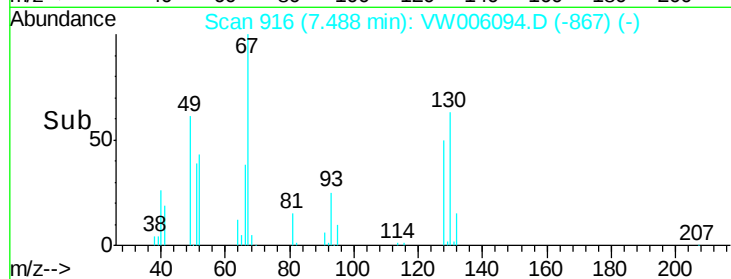
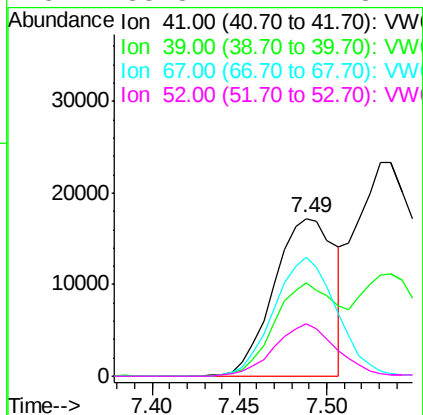
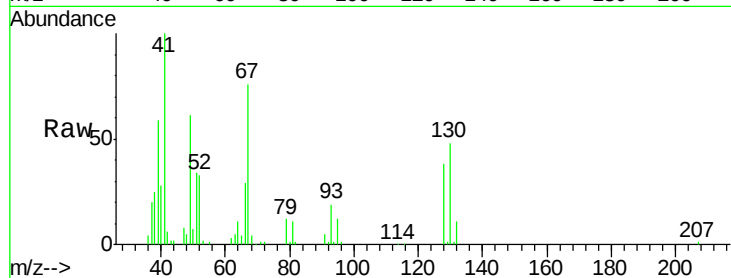




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

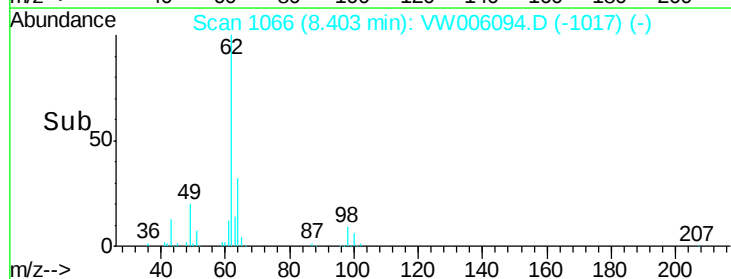
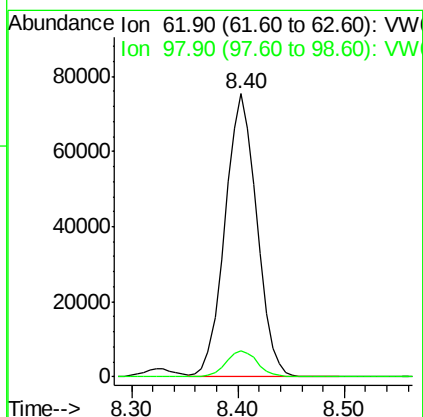
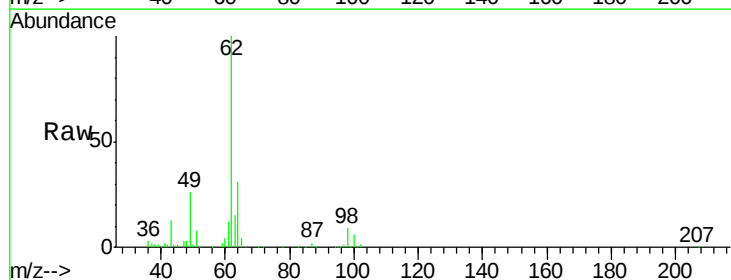
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

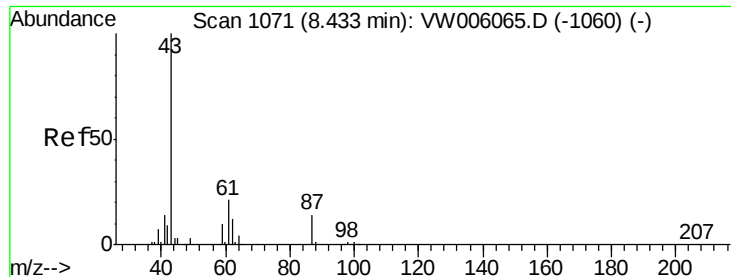
Tgt Ion:	41	Resp:	42096
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.2	69.4
67	77.5	57.7	86.5
52	33.8	24.7	37.1



#42
1,2-Dichloroethane
Concen: 54.805 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion:	62	Resp:	157499
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 55.029 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

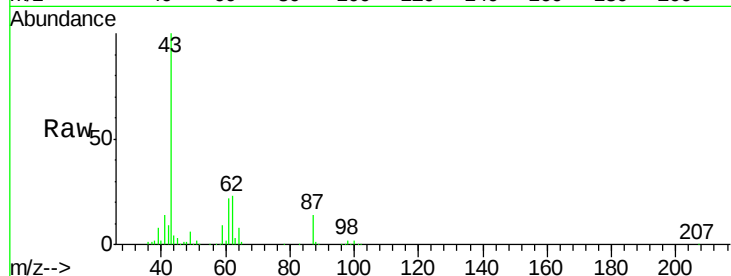
Tgt Ion: 43 Resp: 149066

Ion Ratio Lower Upper

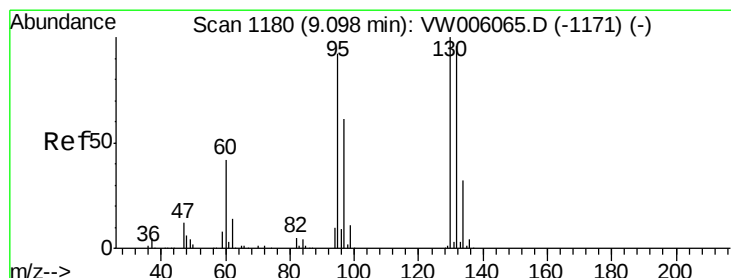
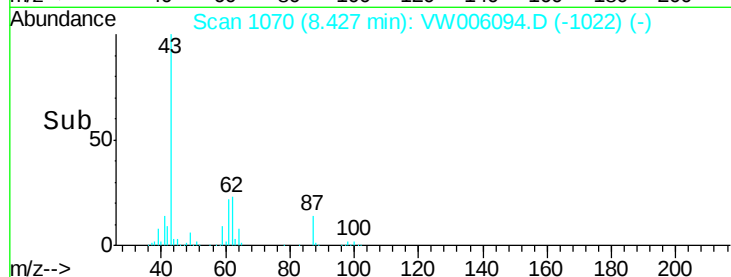
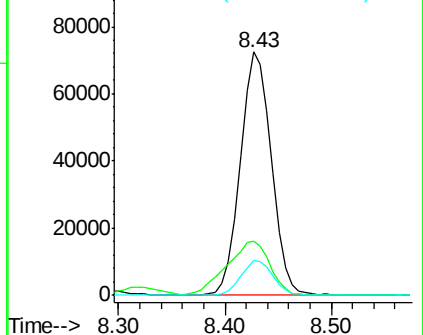
43 100

61 30.5 25.5 38.3

87 14.6 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.106 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006094.D

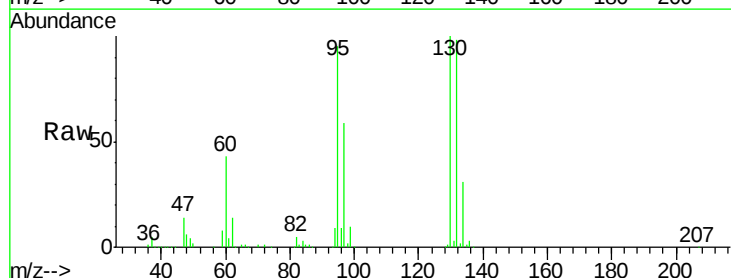
Acq: 16 Oct 2018 23:11

Tgt Ion: 130 Resp: 156366

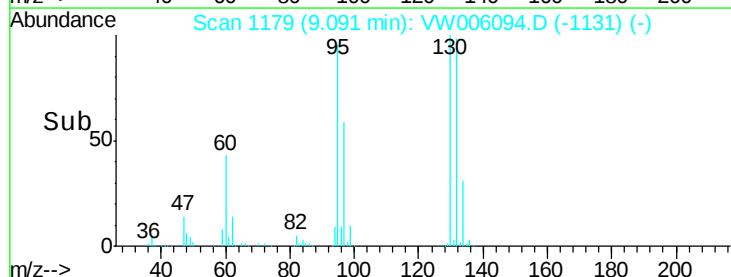
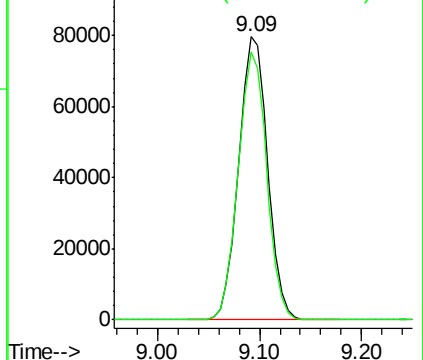
Ion Ratio Lower Upper

130 100

95 94.8 0.0 183.2



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





#45

1,2-Dichloropropane

Concen: 53.598 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

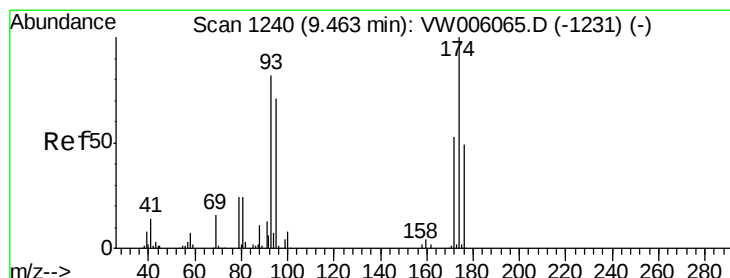
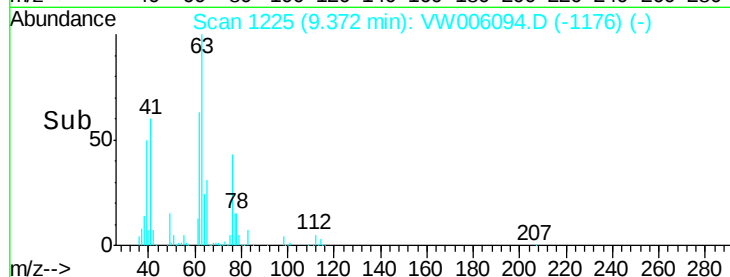
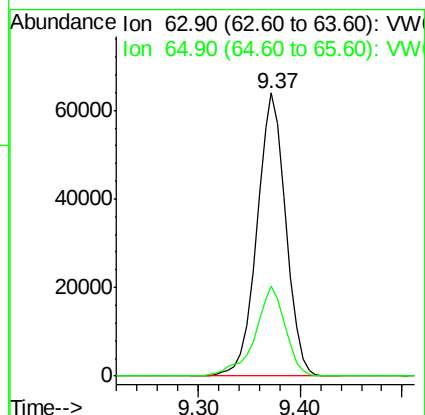
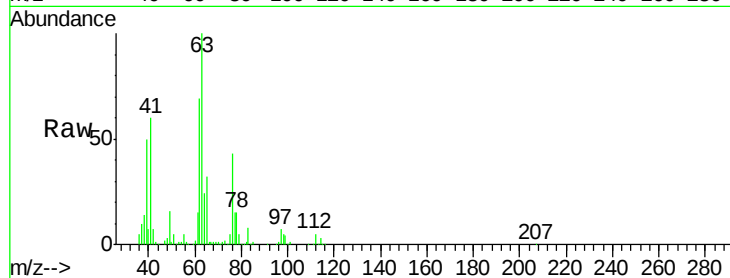
VSTDCCC050

Tgt Ion: 63 Resp: 125453

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.0



#46

Dibromomethane

Concen: 55.396 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

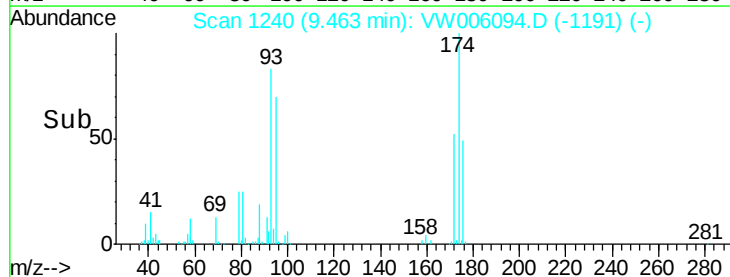
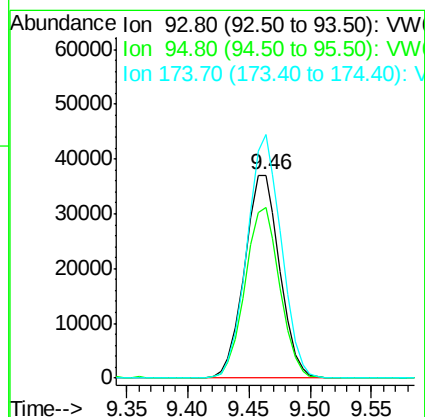
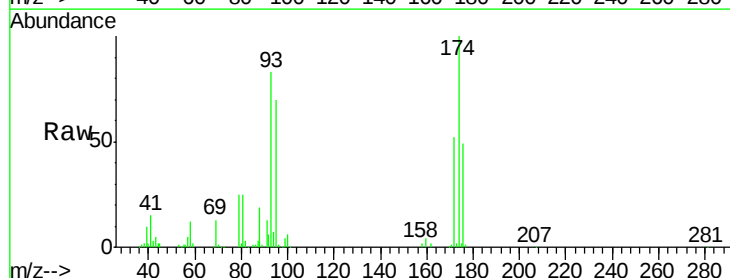
Tgt Ion: 93 Resp: 73901

Ion Ratio Lower Upper

93 100

95 83.1 67.7 101.5

174 116.9 93.7 140.5





#47

Bromodichloromethane

Concen: 54.155 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

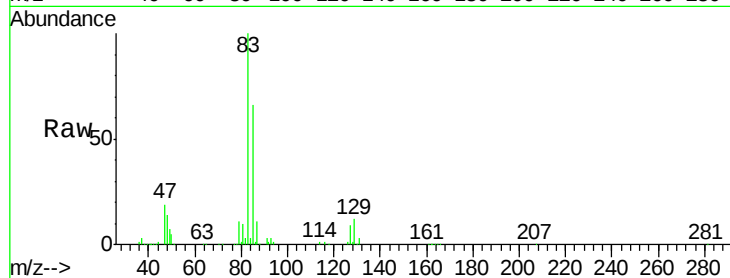
Tgt Ion: 83 Resp: 175155

Ion Ratio Lower Upper

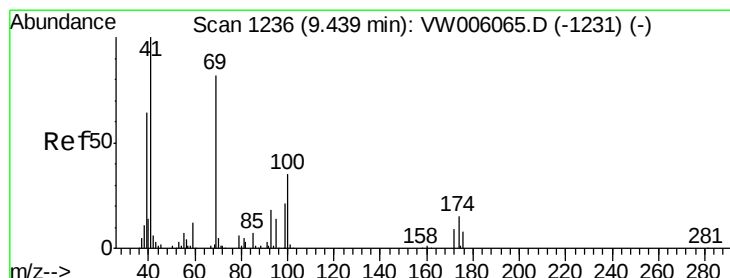
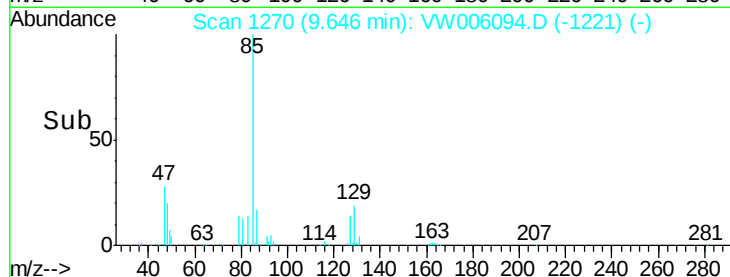
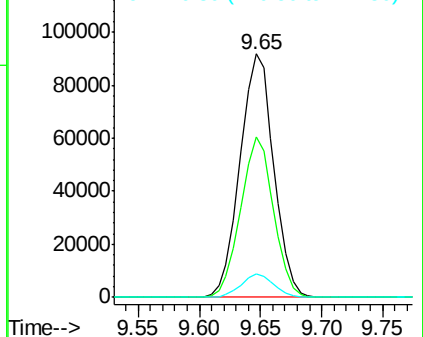
83 100

85 65.6 51.8 77.8

127 9.4 6.9 10.3



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



#48

Methyl methacrylate

Concen: 55.199 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

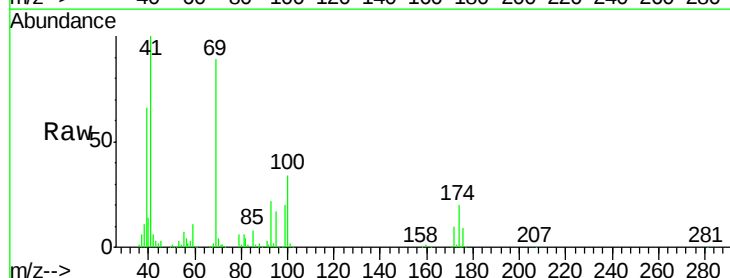
Tgt Ion: 41 Resp: 70878

Ion Ratio Lower Upper

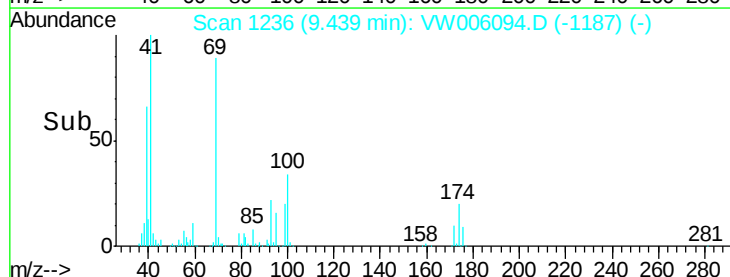
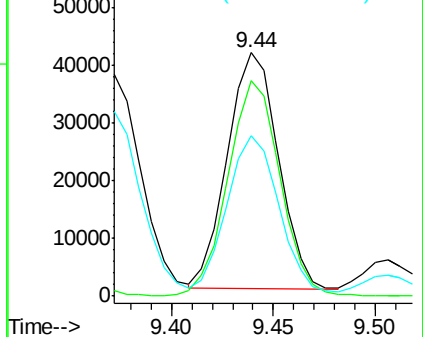
41 100

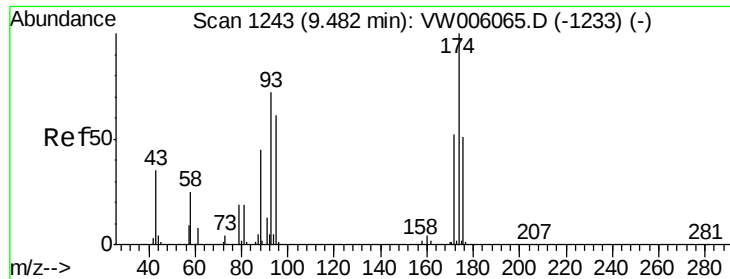
69 93.2 71.8 107.8

39 66.5 52.5 78.7



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

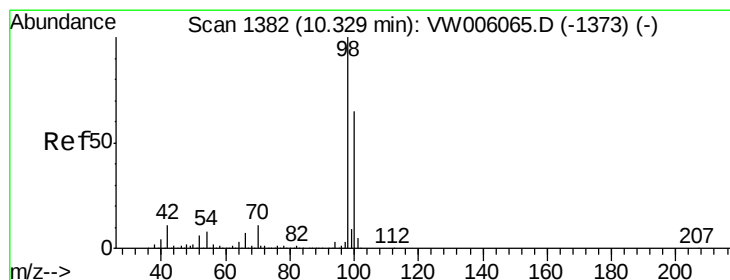
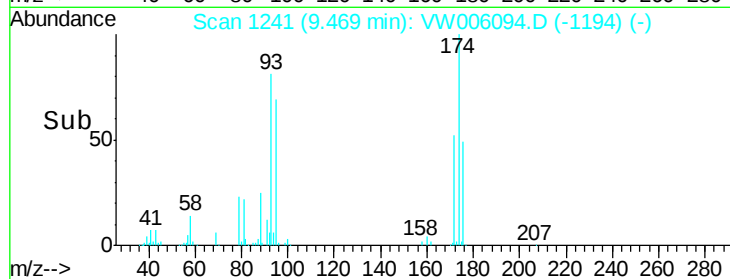
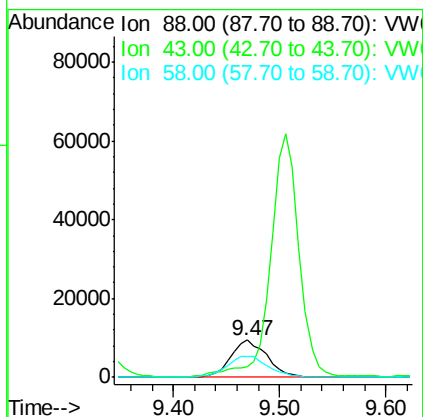
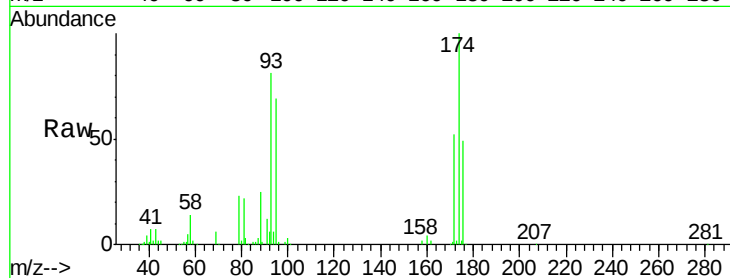




#49
1,4-Dioxane
Concen: 1105.843 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

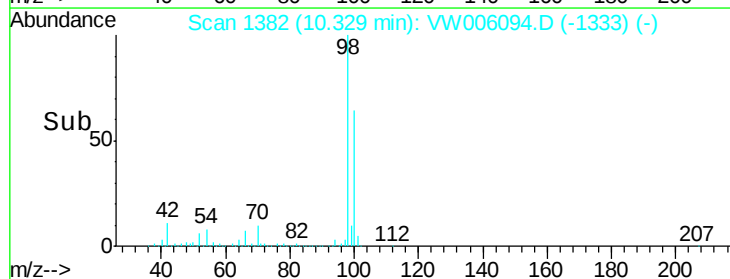
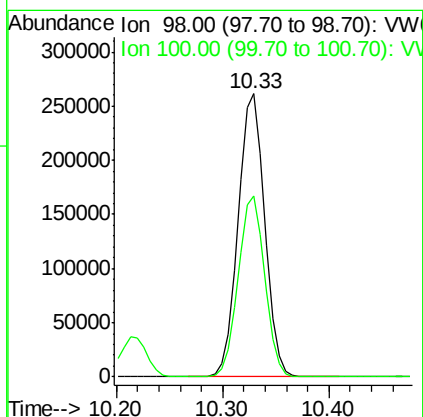
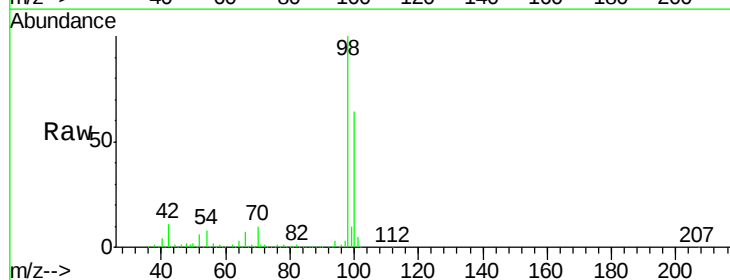
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

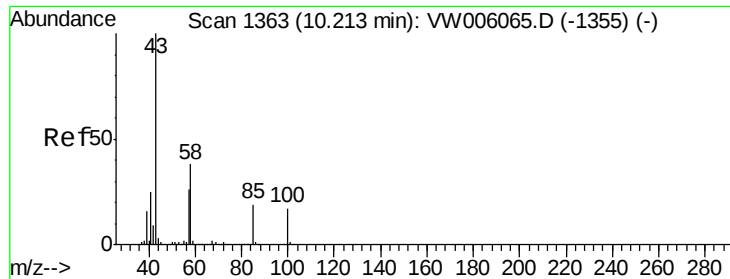
Tgt Ion: 88 Resp: 22711
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 65.5 51.2 76.8



#50
Toluene-d8
Concen: 52.754 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 98 Resp: 458808
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

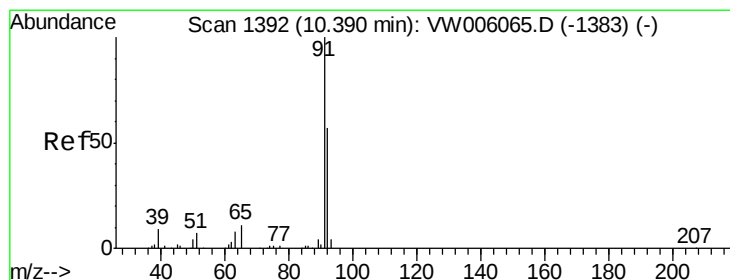
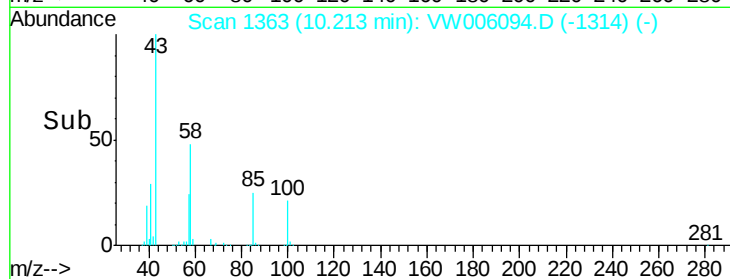
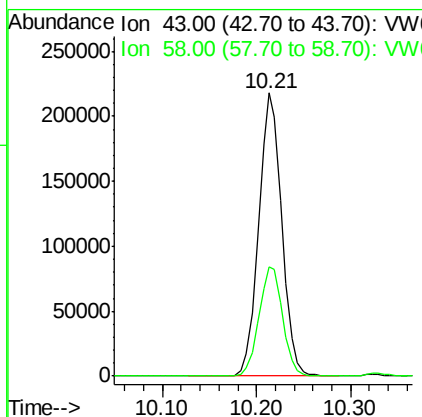
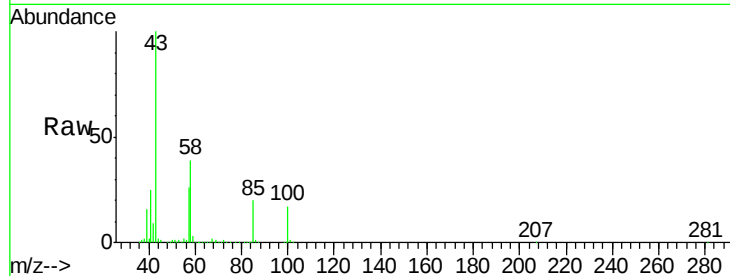




#51
 4-Methyl-2-Pentanone
 Concen: 275.903 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

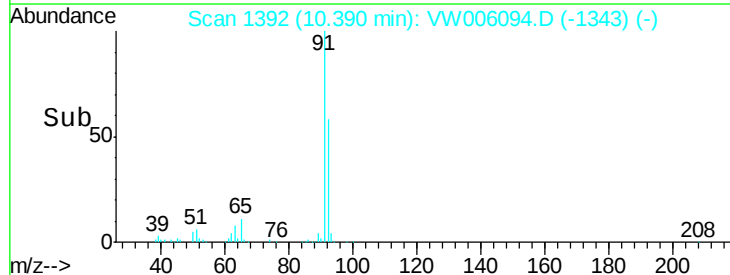
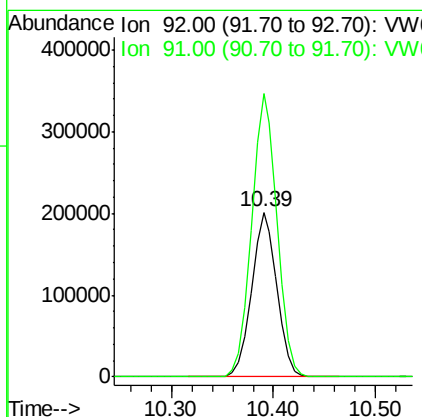
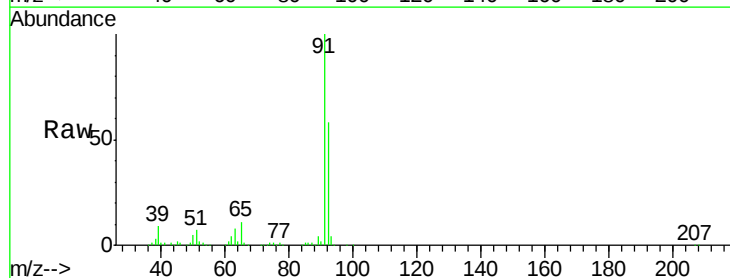
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

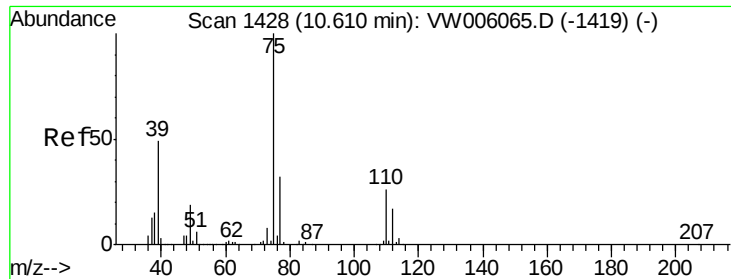
Tgt Ion: 43 Resp: 374468
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3



#52
 Toluene
 Concen: 52.651 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 92 Resp: 345274
 Ion Ratio Lower Upper
 92 100
 91 173.9 140.0 210.0

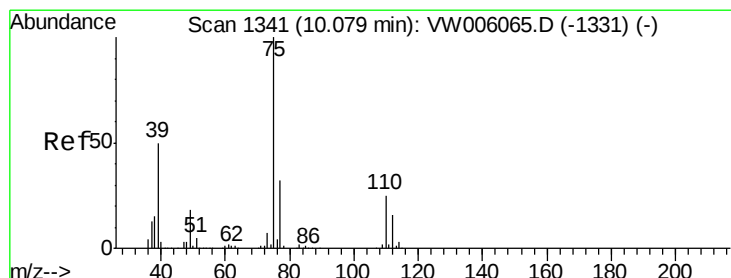
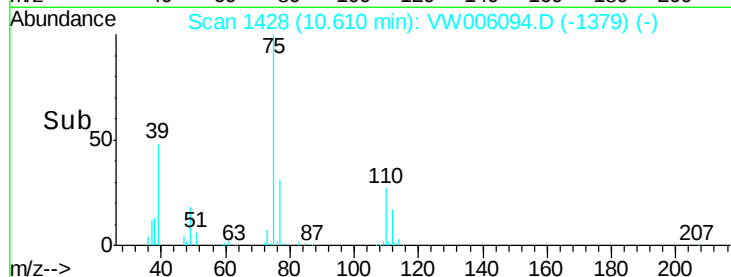
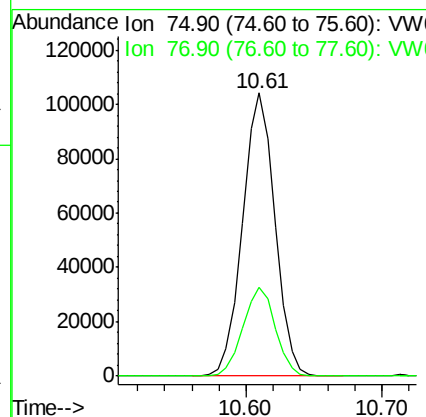
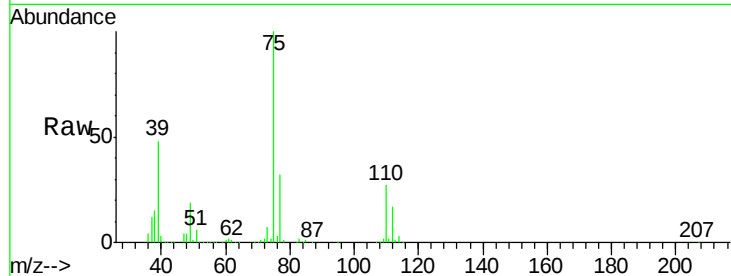




#53
 t-1,3-Dichloropropene
 Concen: 53.650 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

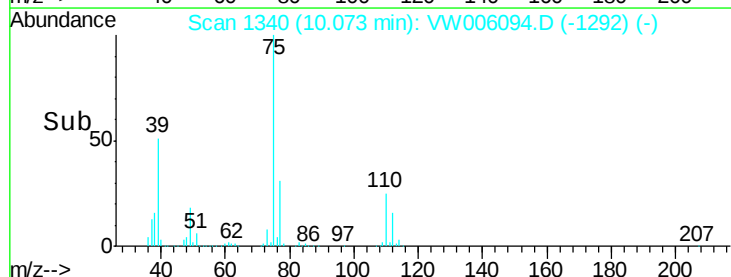
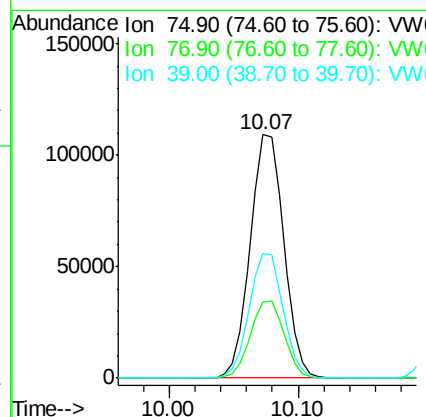
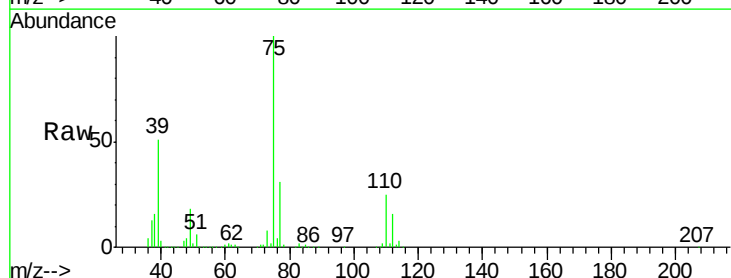
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tgt Ion: 75 Resp: 172886
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.249 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 75 Resp: 196937
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 51.3 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 54.487 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 101719

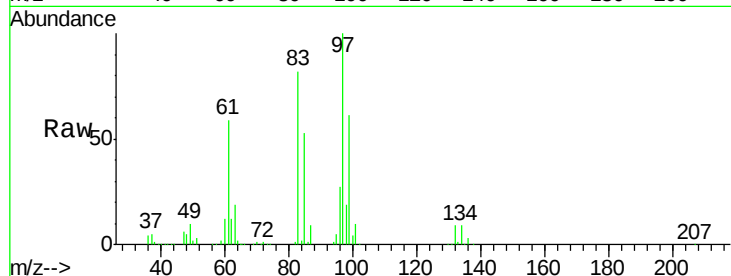
Ion Ratio Lower Upper

97 100

83 81.7 67.2 100.8

85 53.3 43.7 65.5

99 61.4 48.5 72.7

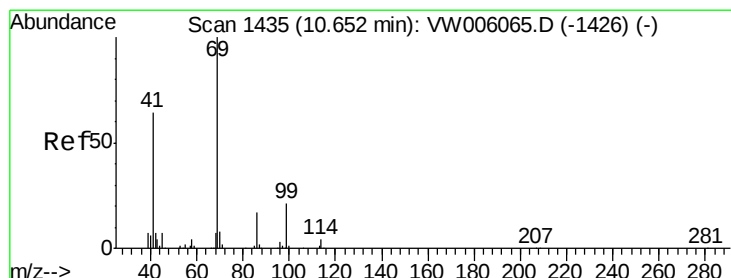
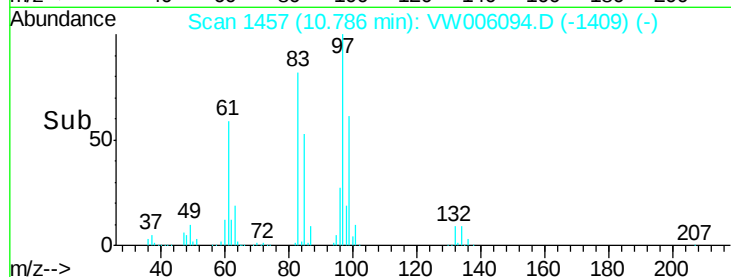
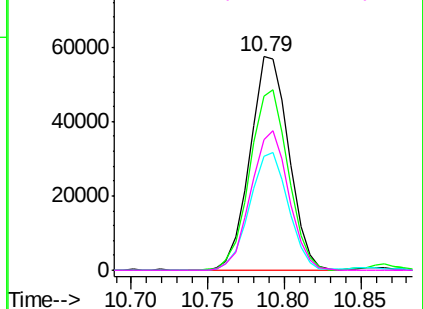


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 55.590 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

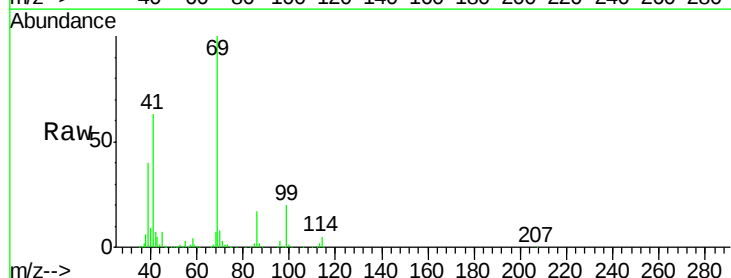
Tgt Ion: 69 Resp: 127226

Ion Ratio Lower Upper

69 100

41 64.6 52.8 79.2

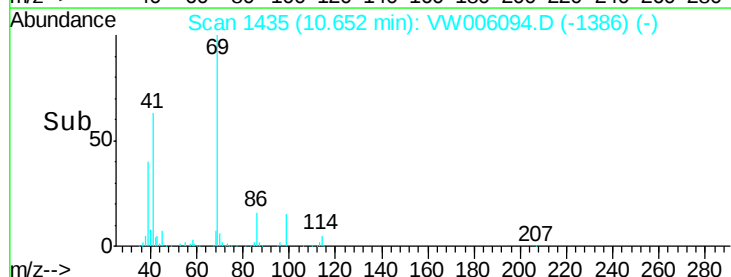
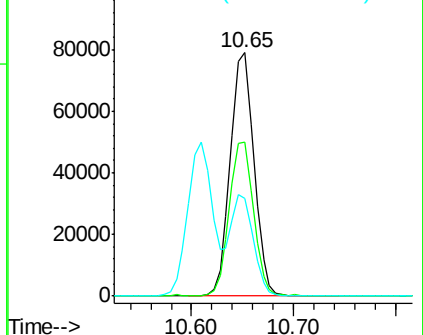
39 41.3 30.6 45.8

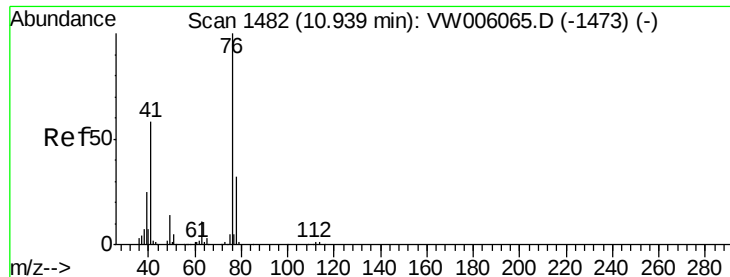


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

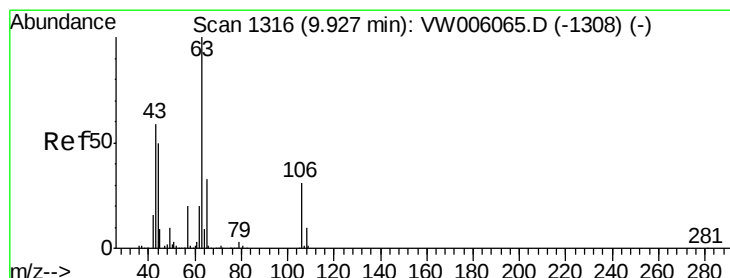
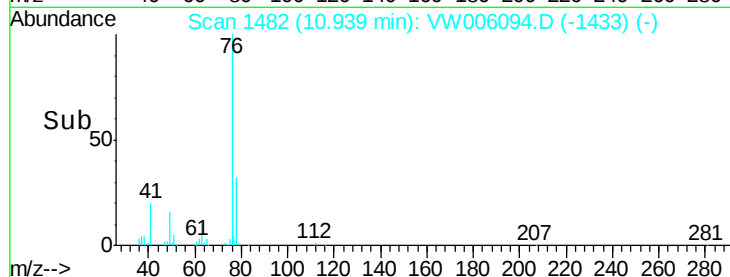
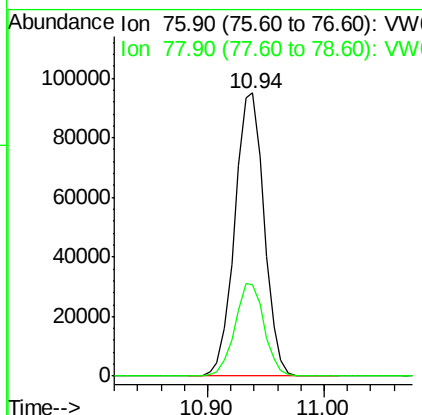
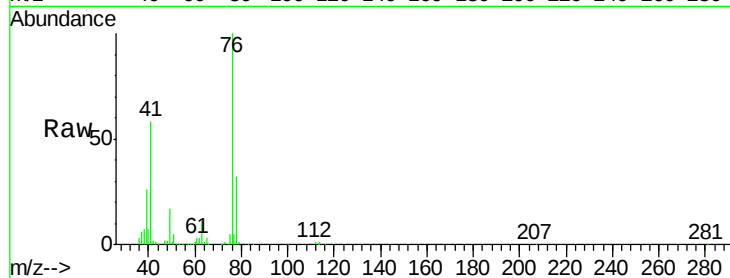




#57
 1,3-Dichloropropane
 Concen: 53.933 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

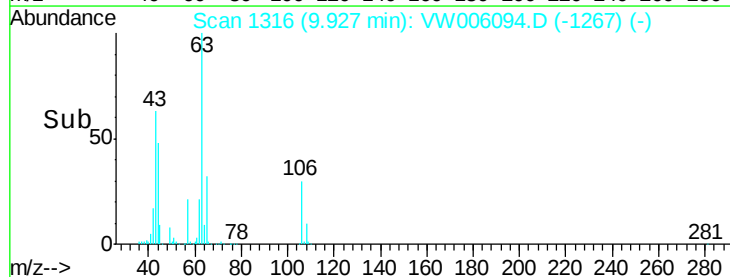
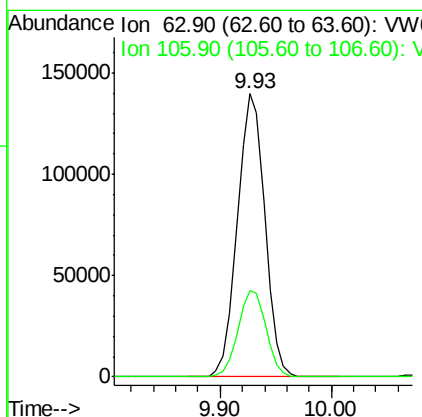
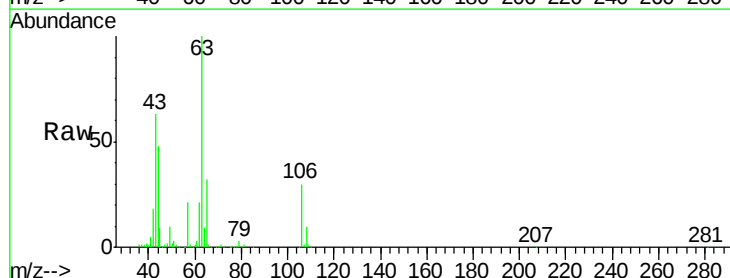
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

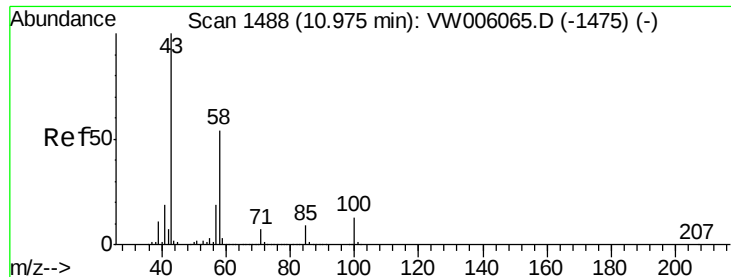
Tgt Ion: 76 Resp: 166674
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.748 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 63 Resp: 238520
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.5 36.7

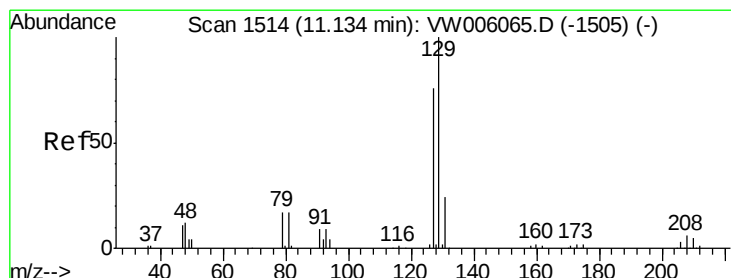
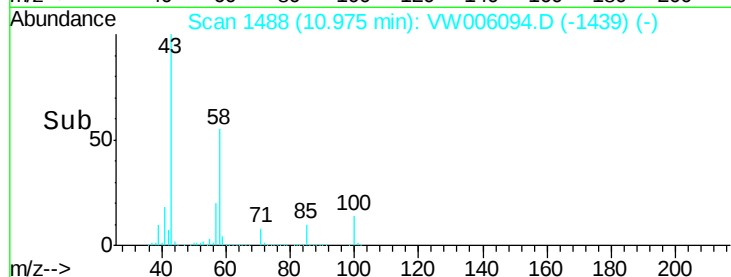
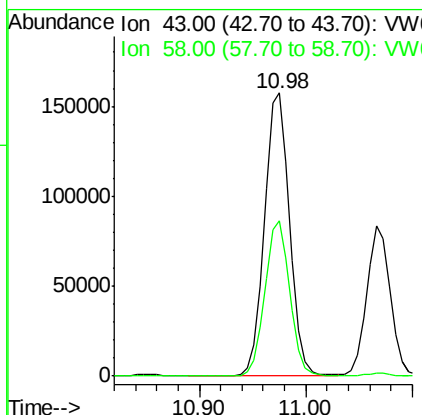
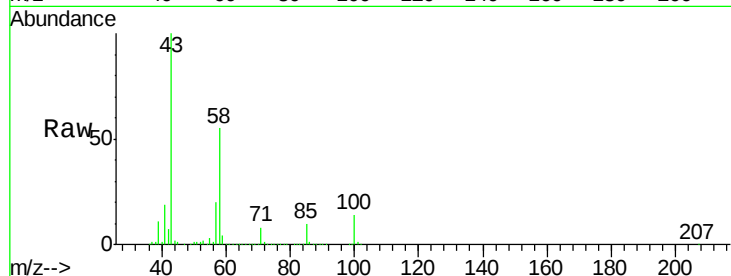




#59
2-Hexanone
Concen: 267.980 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

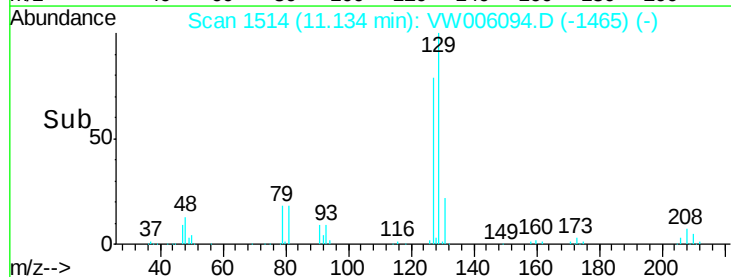
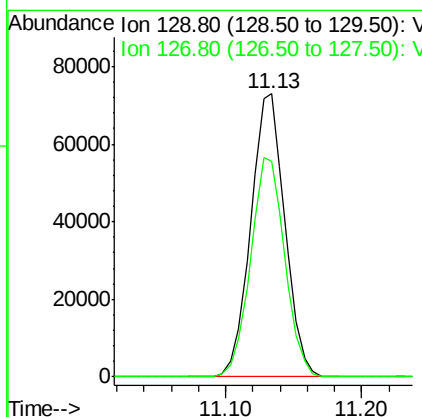
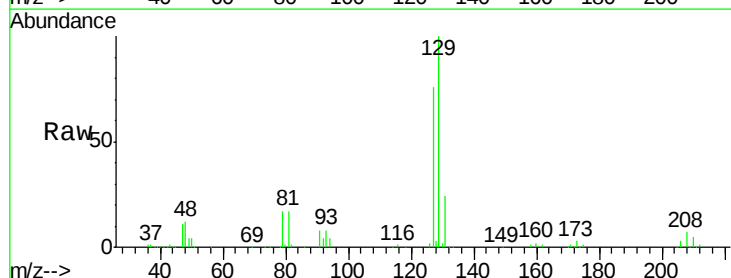
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

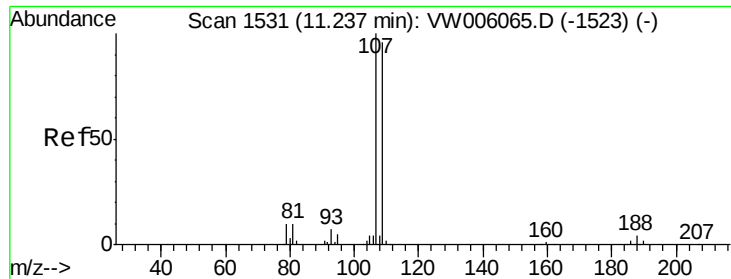
Tgt Ion: 43 Resp: 259632
Ion Ratio Lower Upper
43 100
58 54.3 26.9 80.6



#60
Dibromochloromethane
Concen: 55.189 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 129 Resp: 128333
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7

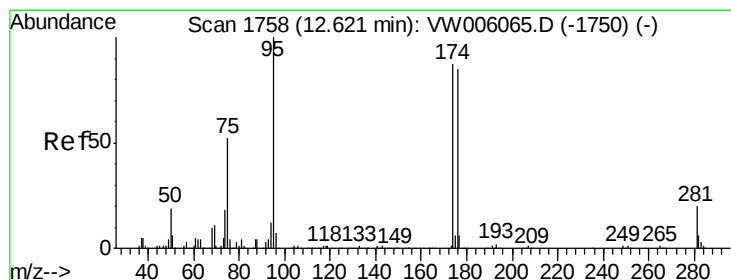
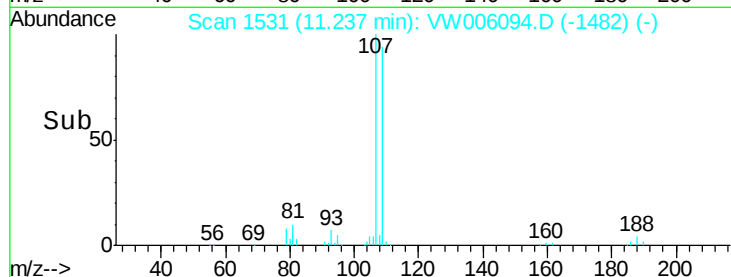
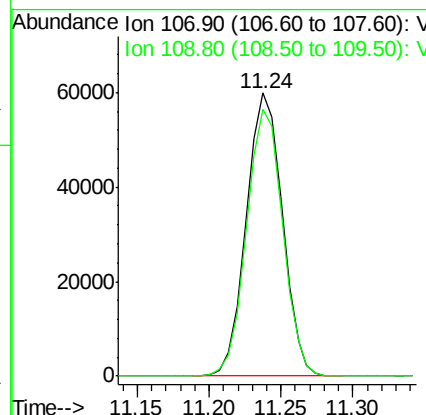
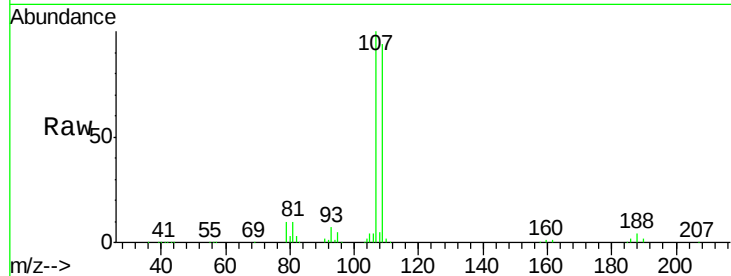




#61
 1,2-Dibromoethane
 Concen: 55.708 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

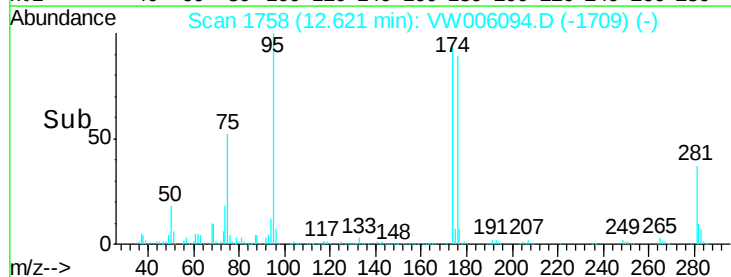
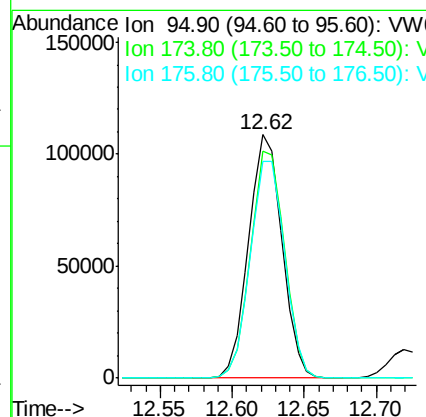
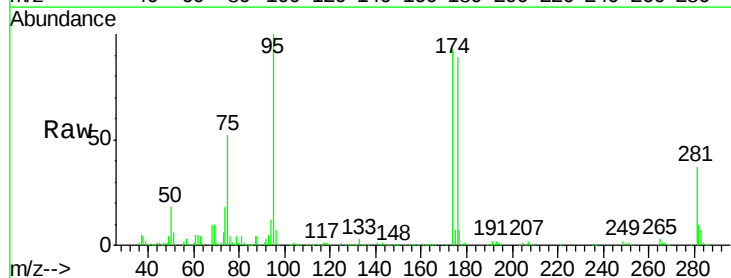
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

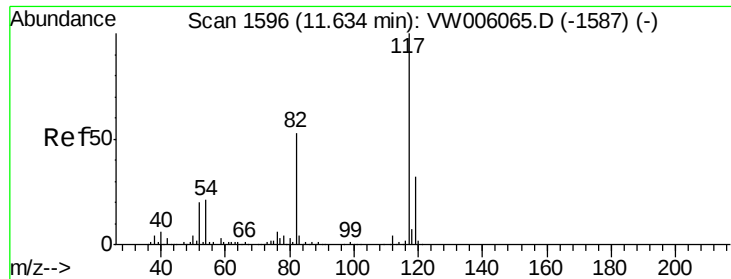
Tgt Ion: 107 Resp: 103915
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 53.482 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 95 Resp: 174702
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.0
 176 91.9 0.0 181.6

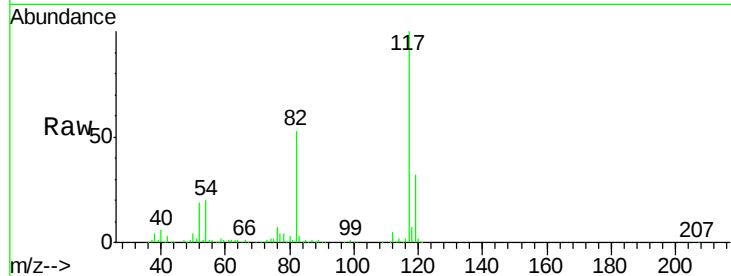




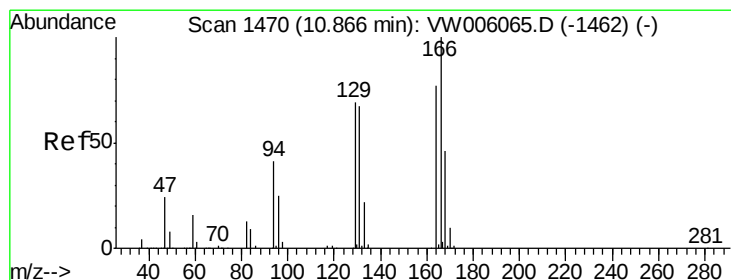
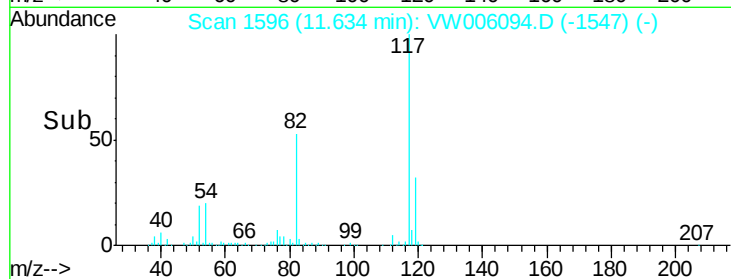
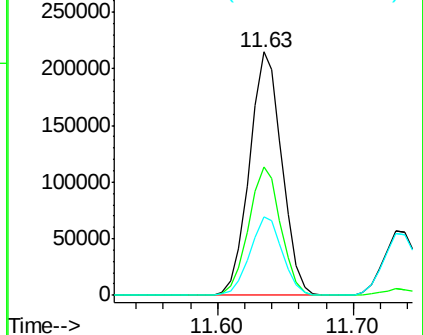
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 359129
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.0 25.8 38.6

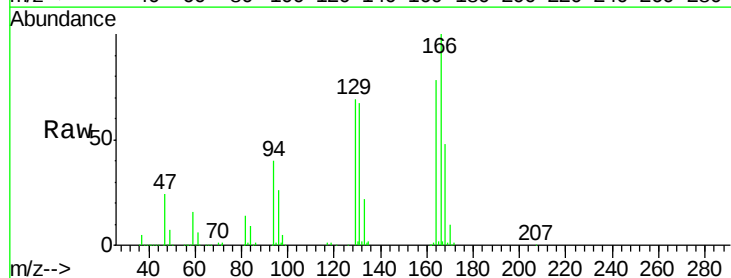


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

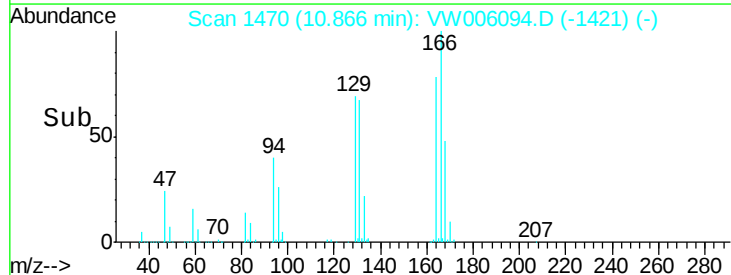
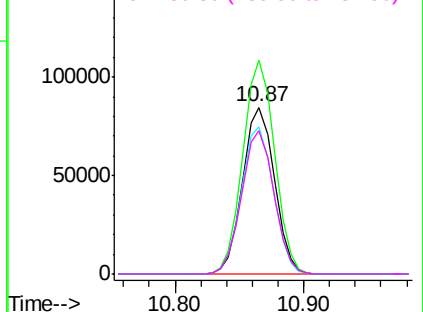


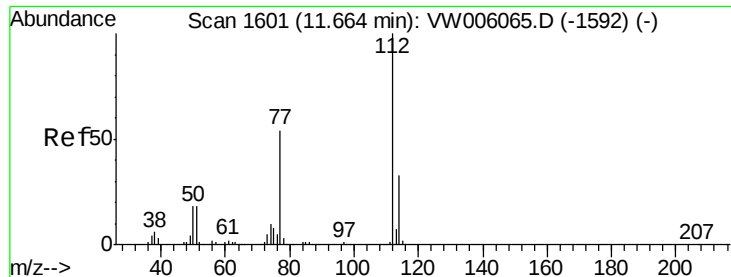
#64
Tetrachloroethene
Concen: 51.896 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion:164 Resp: 144684
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.0
129 88.6 71.8 107.8
131 85.8 69.5 104.3



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

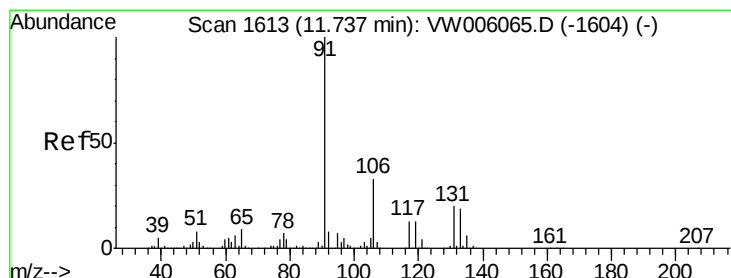
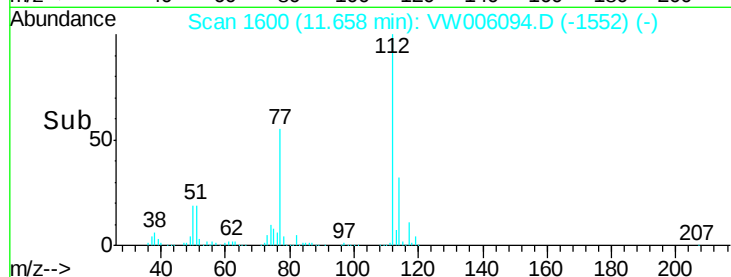
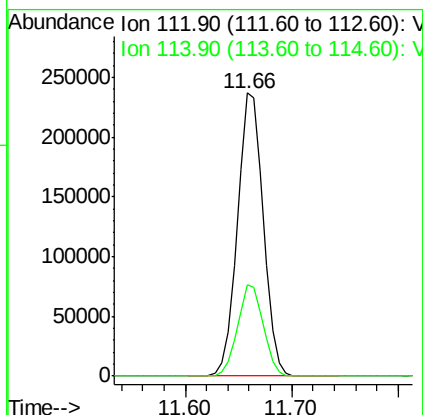
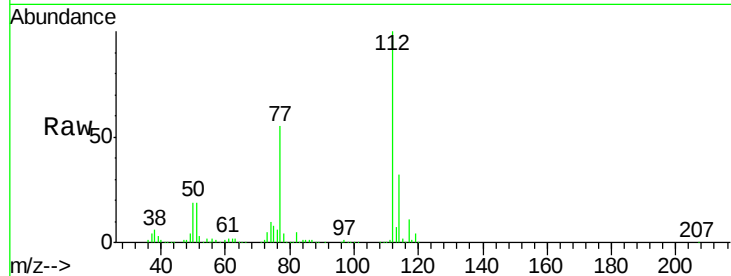




#65
Chlorobenzene
Concen: 52.549 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

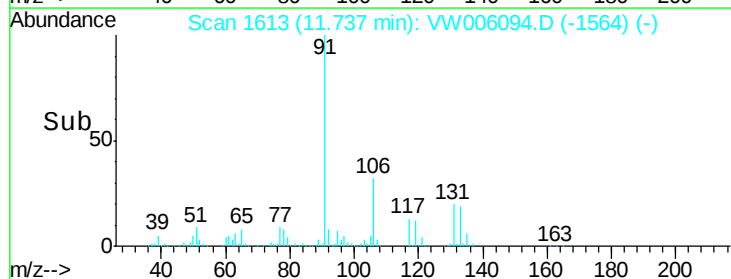
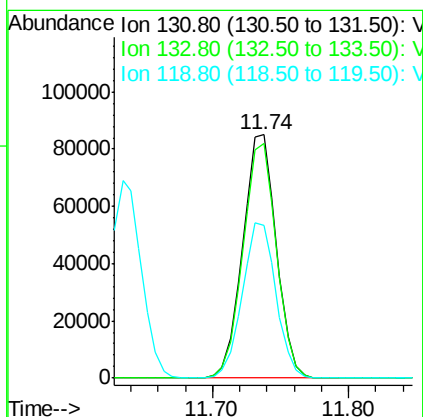
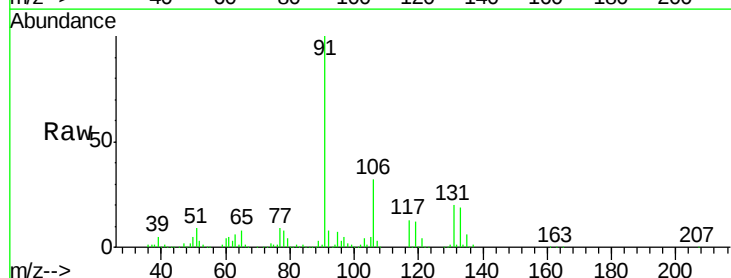
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

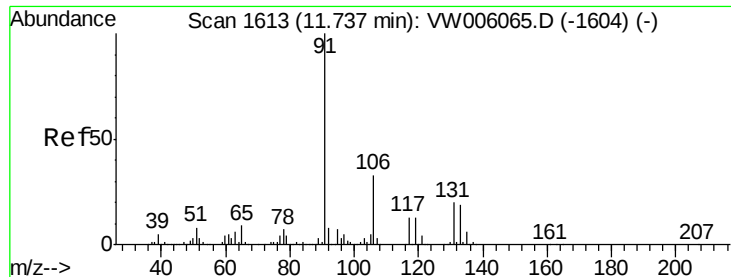
Tgt Ion:112 Resp: 403995
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.672 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion:131 Resp: 146638
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.3
119 63.8 31.6 94.7

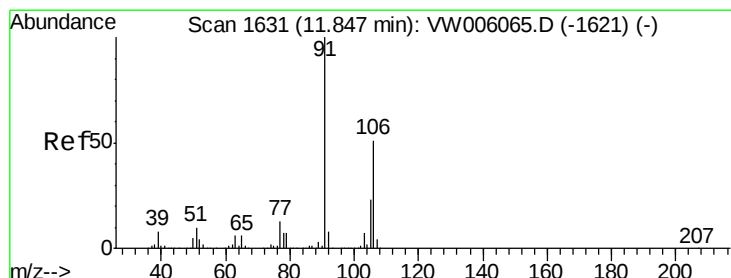
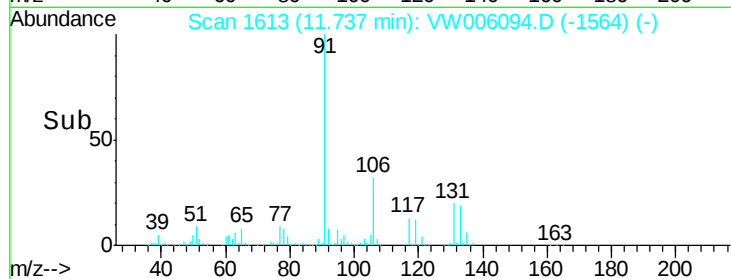
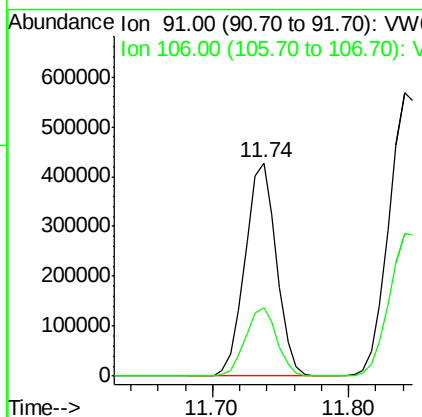
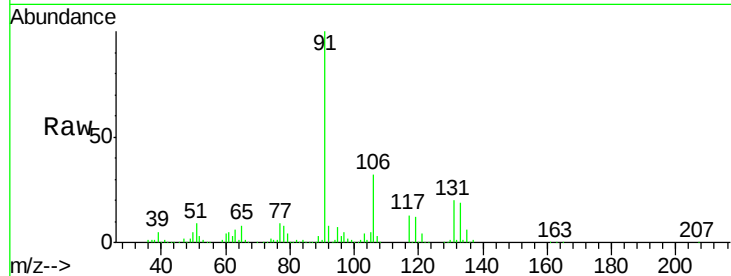




#67
Ethyl Benzene
Concen: 51.817 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

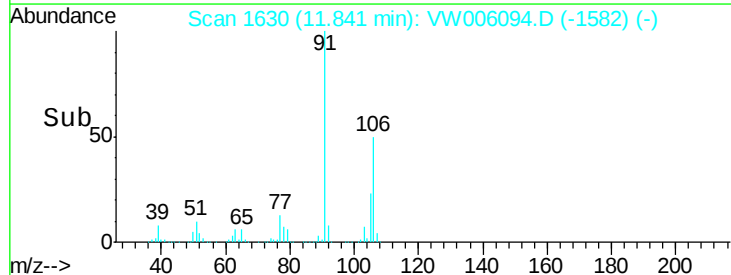
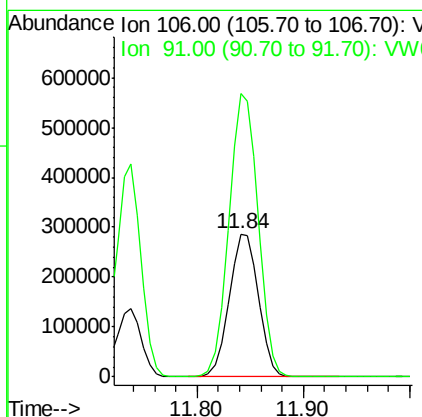
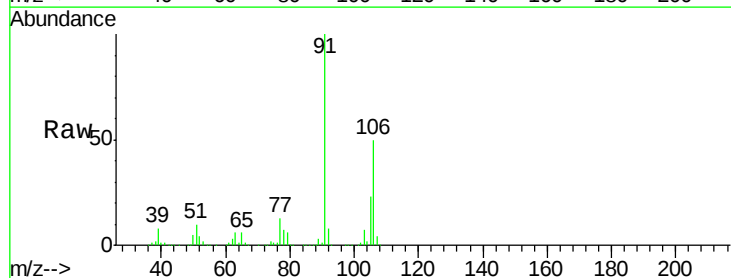
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

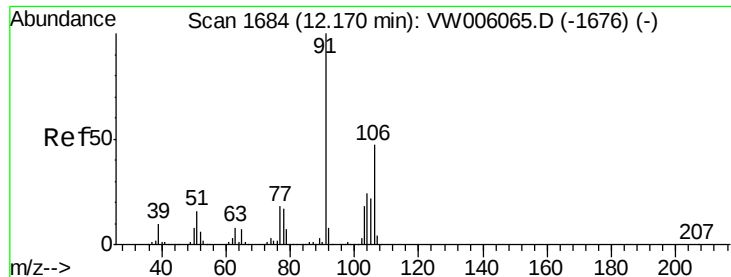
Tgt Ion: 91 Resp: 690374
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 104.150 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion: 106 Resp: 548466
Ion Ratio Lower Upper
106 100
91 198.5 159.1 238.7

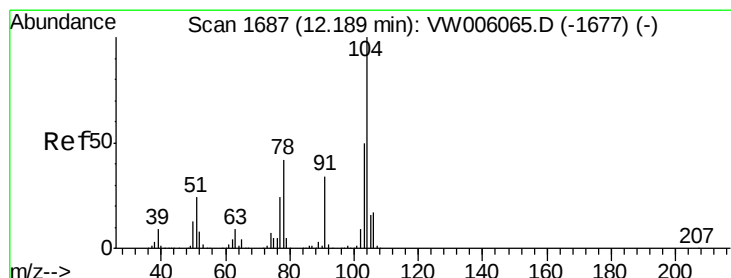
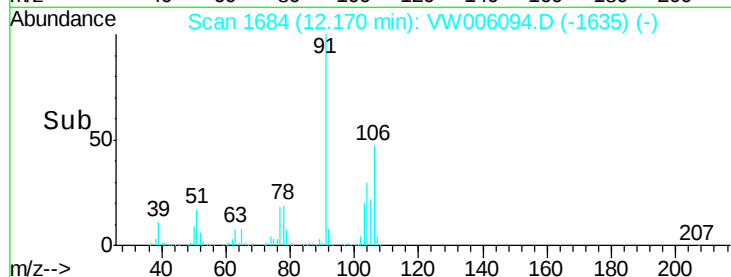
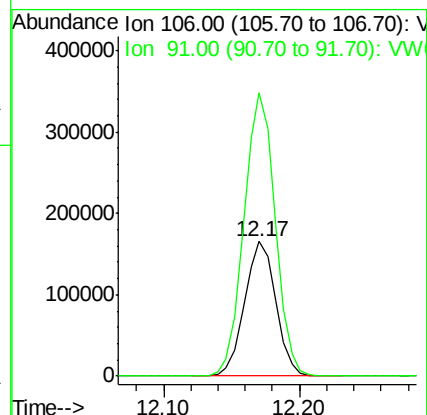
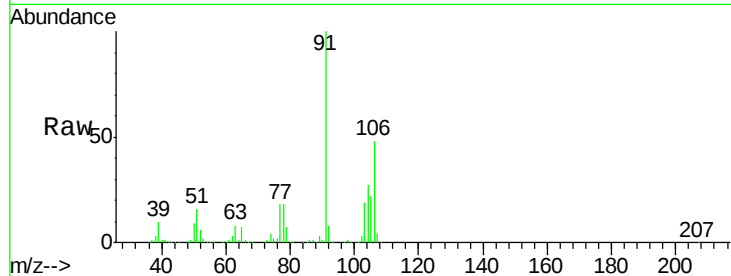




#69
o-Xylene
Concen: 52.582 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

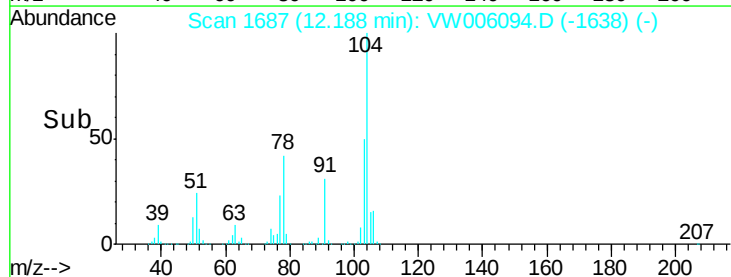
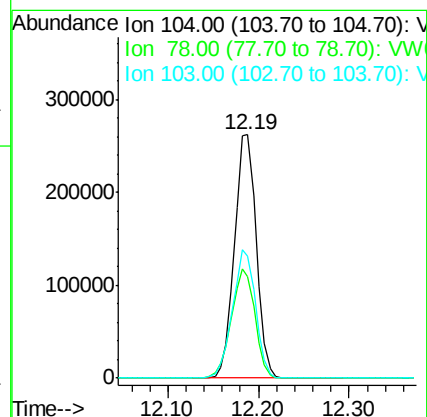
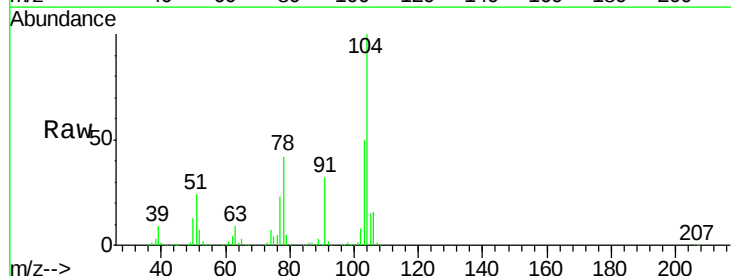
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 263898
Ion Ratio Lower Upper
106 100
91 210.8 105.4 316.1



#70
Styrene
Concen: 53.714 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion:104 Resp: 438371
Ion Ratio Lower Upper
104 100
78 48.4 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 54.968 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

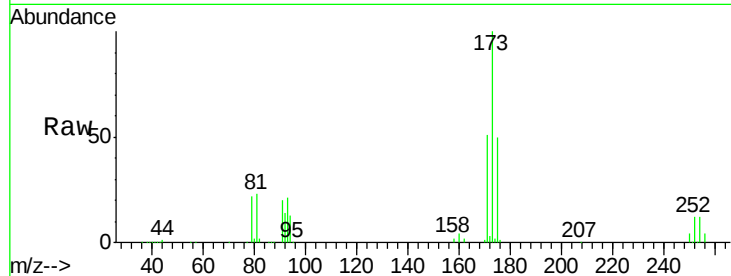
Tgt Ion:173 Resp: 83766

Ion Ratio Lower Upper

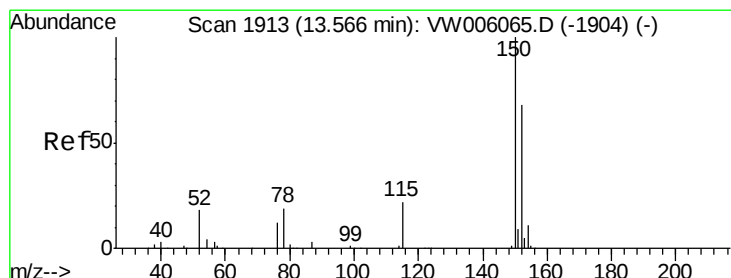
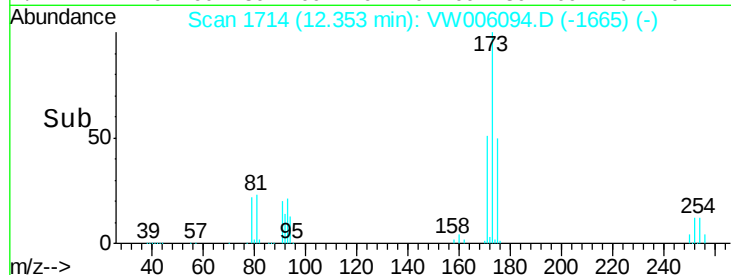
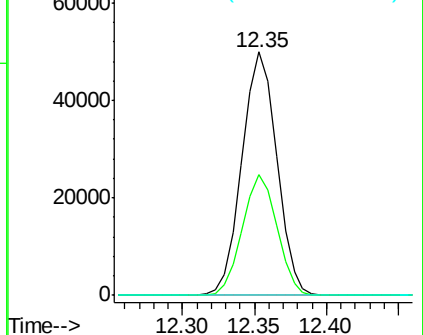
173 100

175 49.5 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

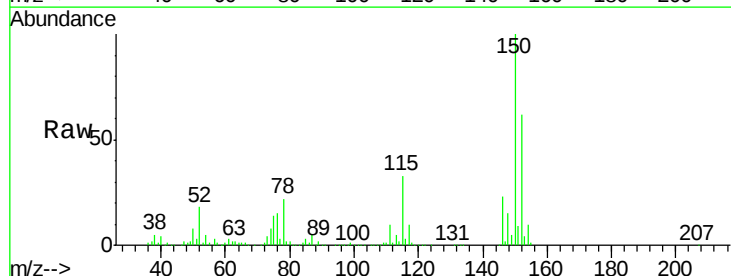
Tgt Ion:152 Resp: 206175

Ion Ratio Lower Upper

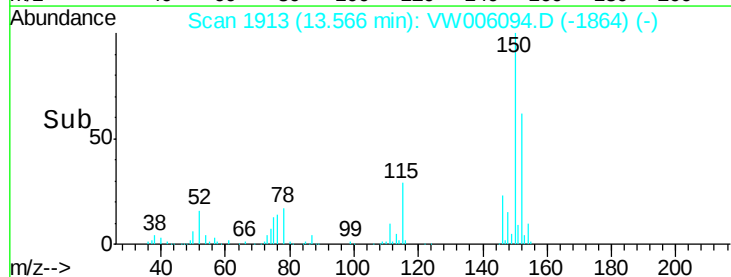
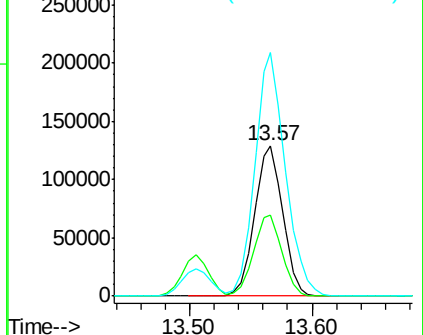
152 100

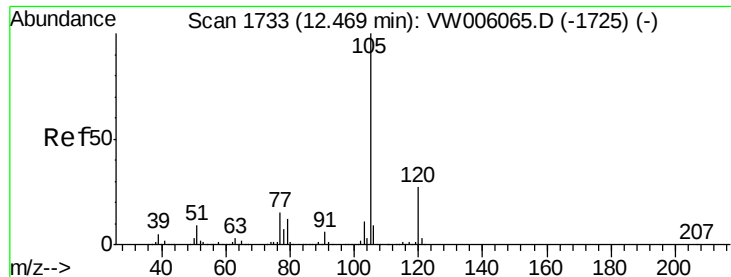
115 54.8 27.8 83.3

150 175.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.081 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

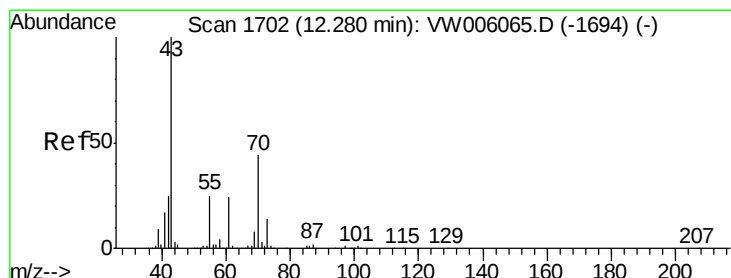
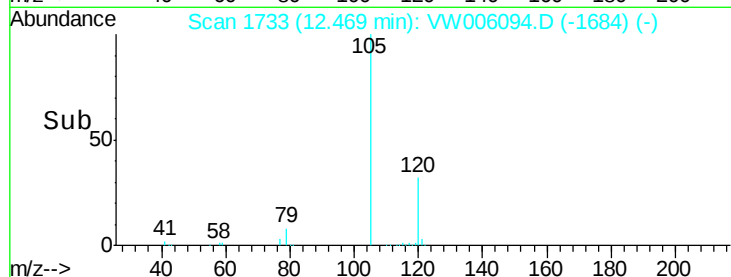
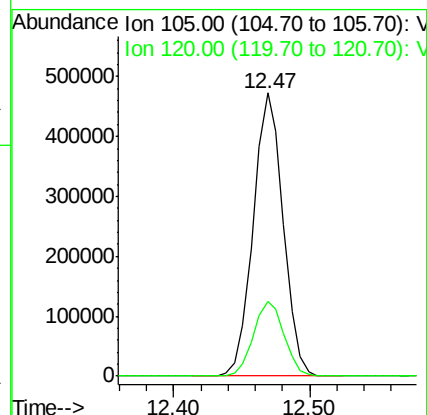
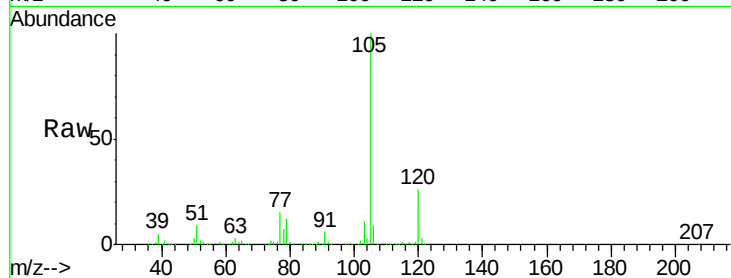
VSTDCCC050

Tgt Ion: 105 Resp: 729466

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 54.248 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Tgt Ion: 43 Resp: 153469

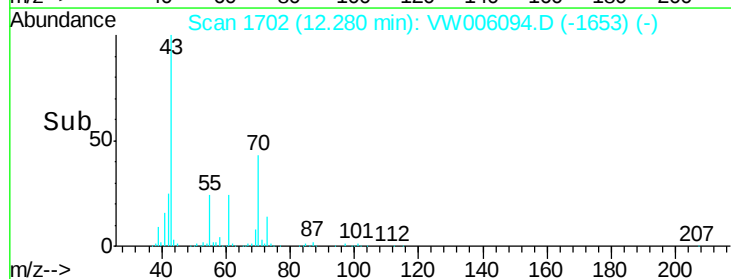
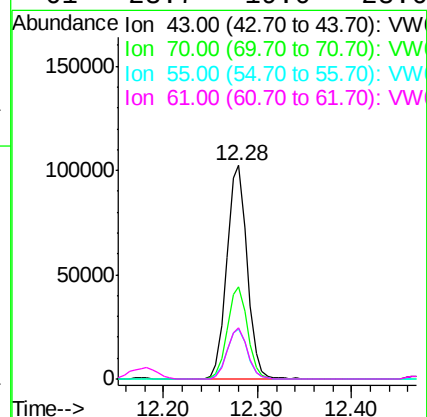
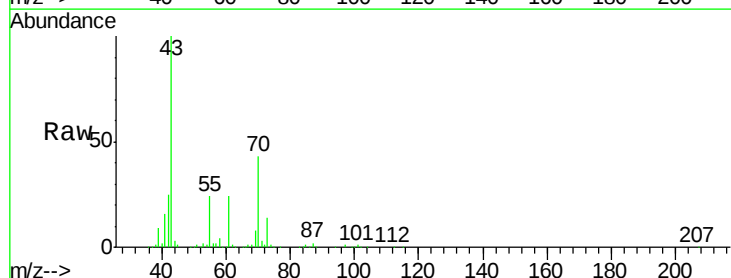
Ion Ratio Lower Upper

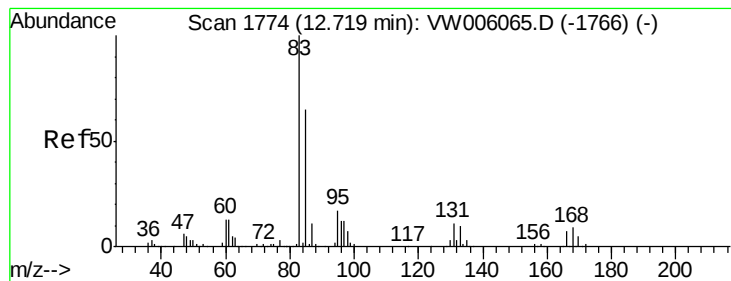
43 100

70 42.8 34.2 51.4

55 24.1 19.2 28.8

61 23.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.812 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

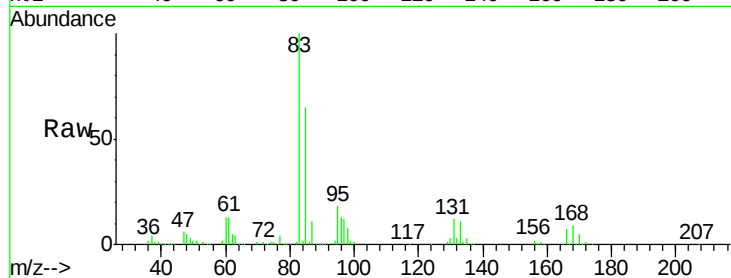
Tgt Ion: 83 Resp: 121429

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

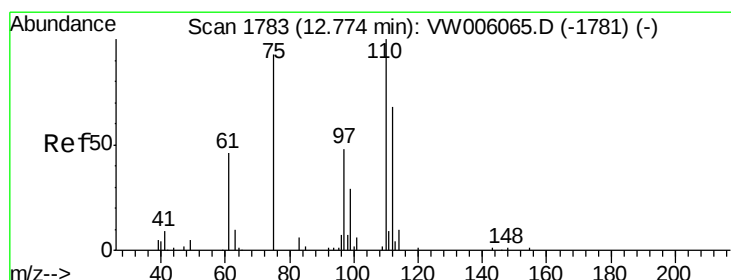
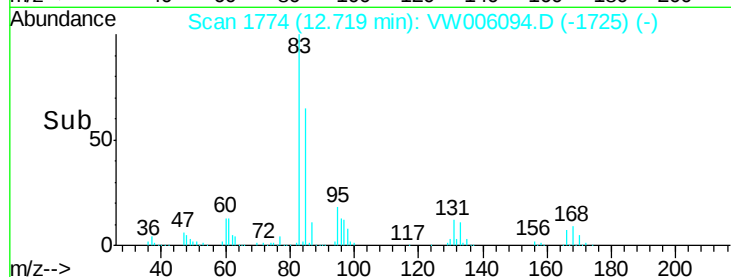
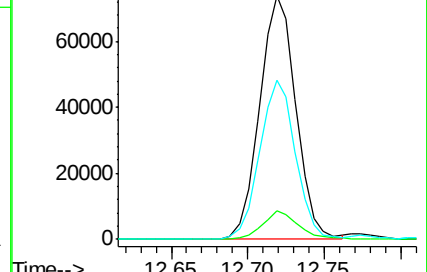
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 51.723 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006094.D

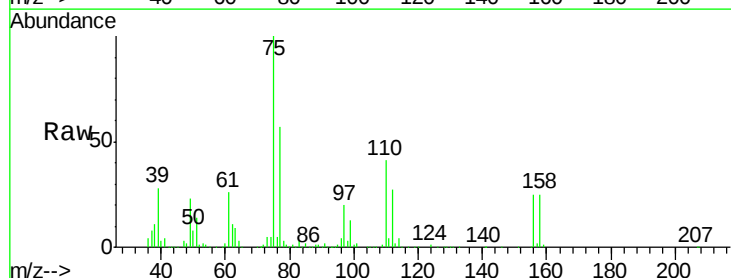
Acq: 16 Oct 2018 23:11

Tgt Ion: 75 Resp: 81452

Ion Ratio Lower Upper

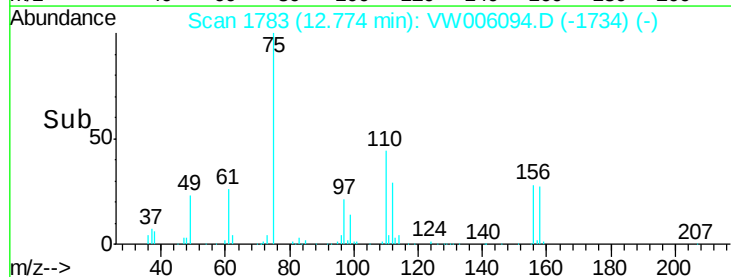
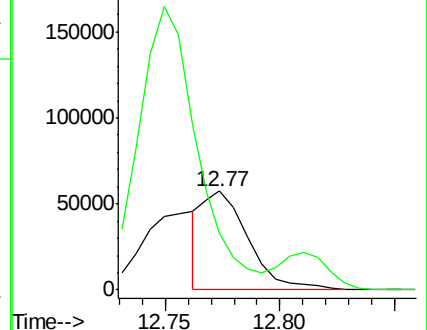
75 100

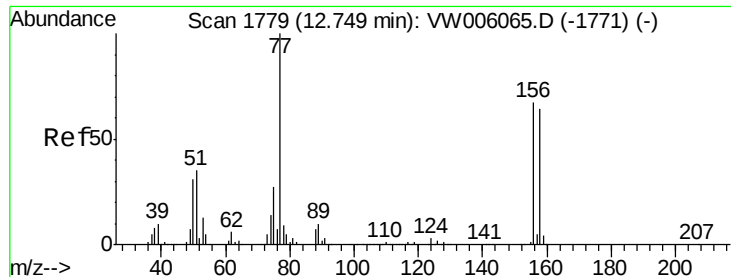
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.681 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

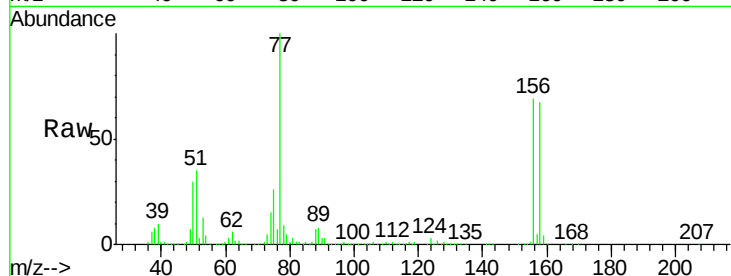
Tgt Ion:156 Resp: 187946

Ion Ratio Lower Upper

156 100

77 157.3 79.1 237.4

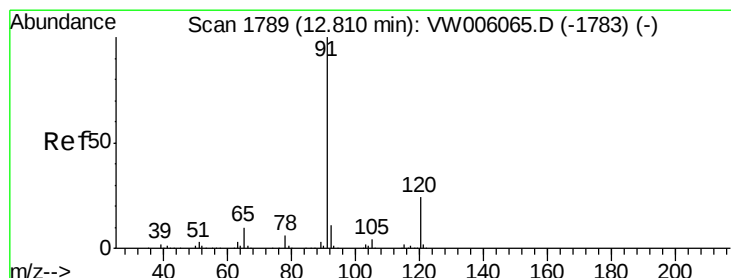
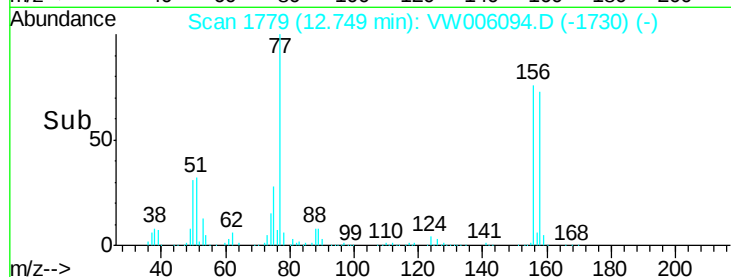
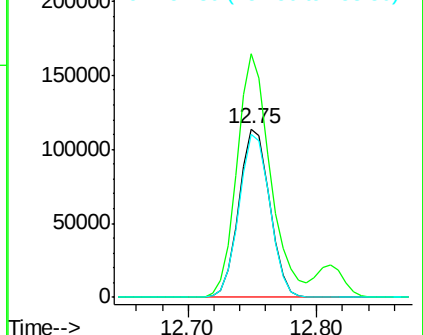
158 97.1 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.773 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006094.D

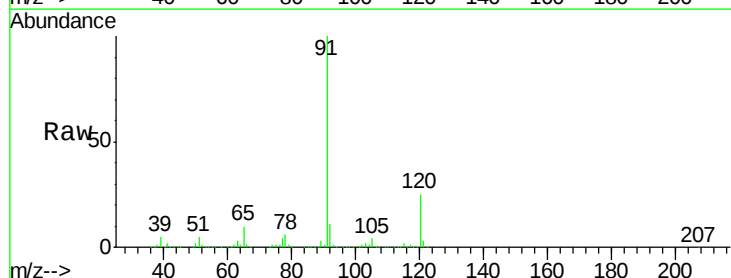
Acq: 16 Oct 2018 23:11

Tgt Ion: 91 Resp: 843455

Ion Ratio Lower Upper

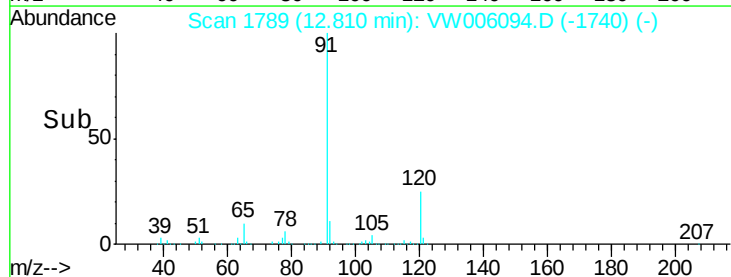
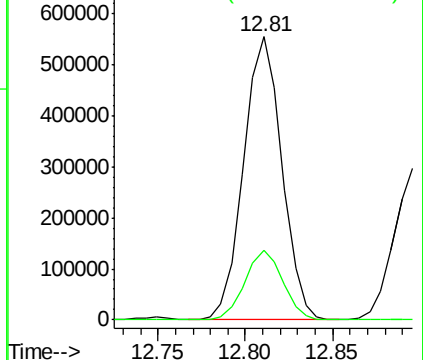
91 100

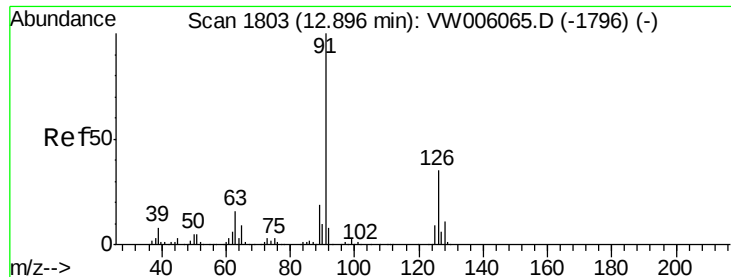
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.818 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

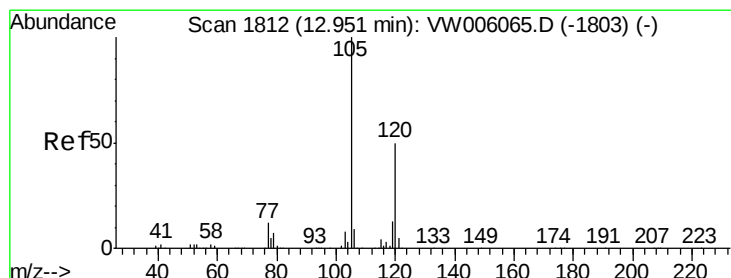
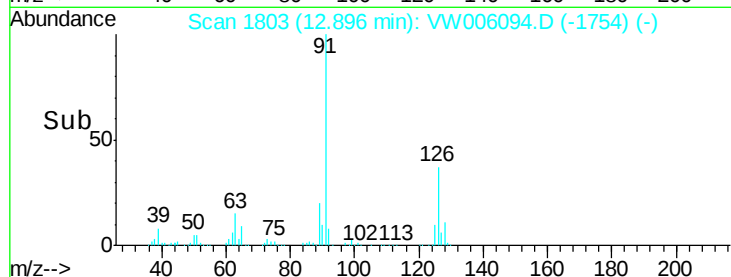
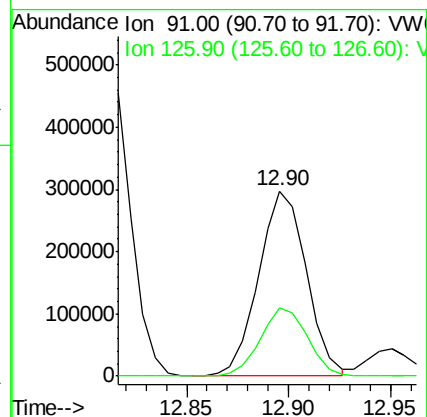
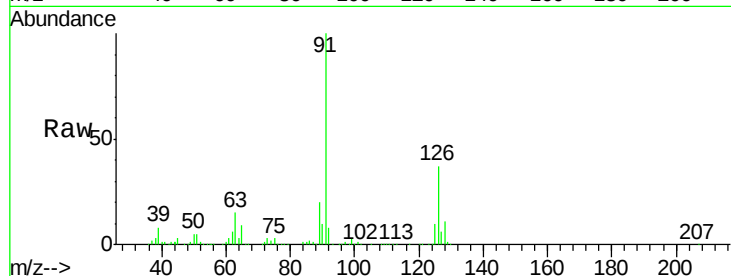
VSTDCCC050

Tgt Ion: 91 Resp: 483845

Ion Ratio Lower Upper

91 100

126 36.5 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 50.547 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006094.D

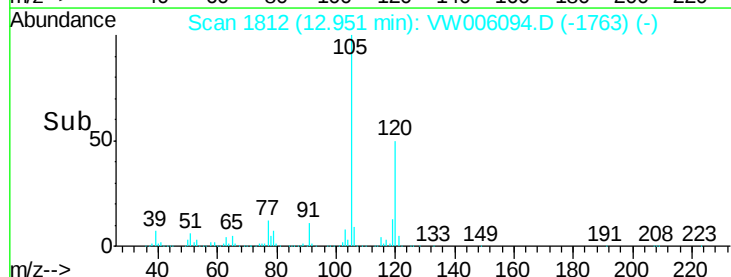
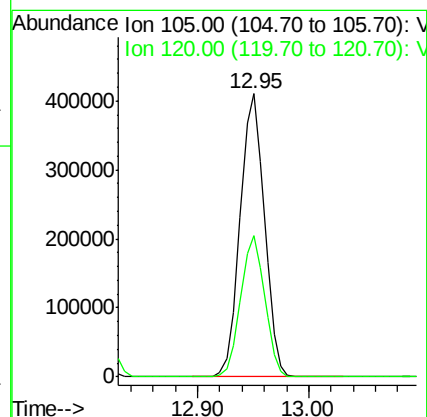
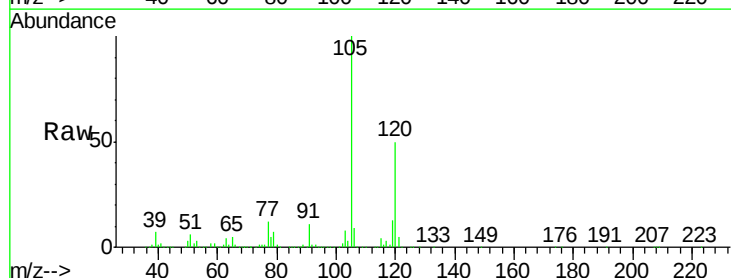
Acq: 16 Oct 2018 23:11

Tgt Ion: 105 Resp: 620673

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.898 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

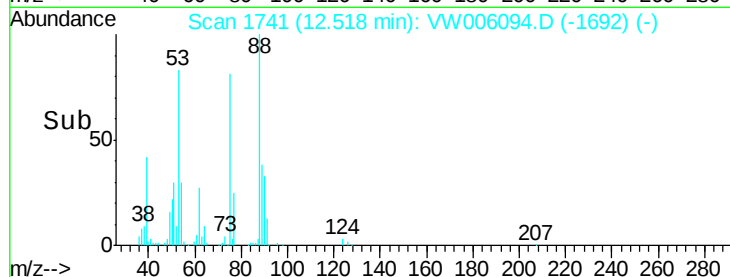
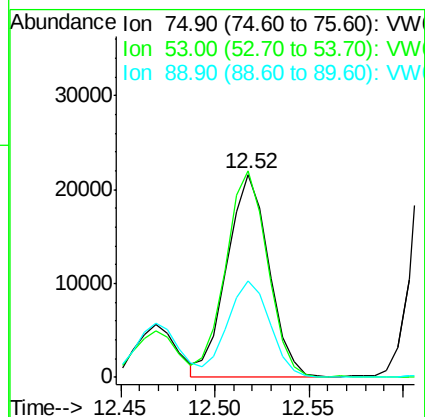
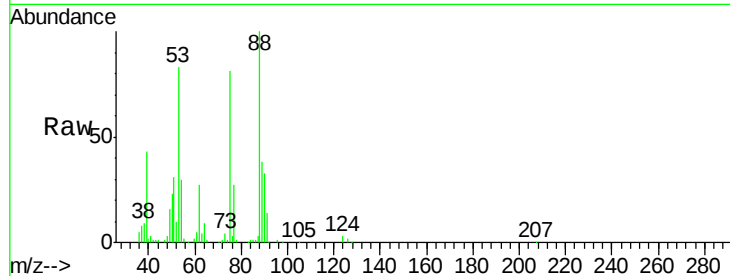
Tgt Ion: 75 Resp: 33531

Ion Ratio Lower Upper

75 100

53 100.9 79.8 119.6

89 47.6 37.5 56.3



#82

4-Chlorotoluene

Concen: 51.728 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006094.D

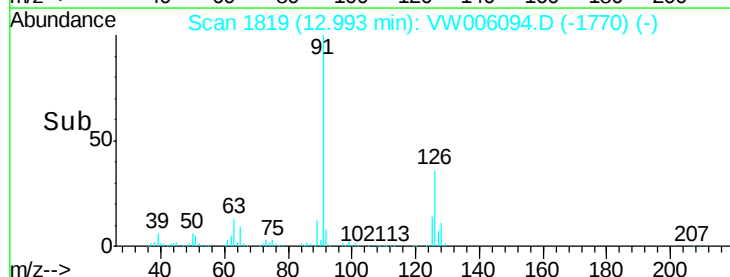
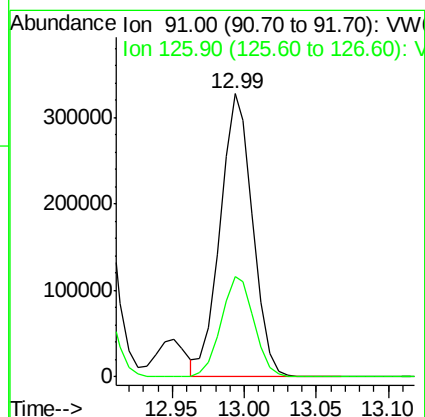
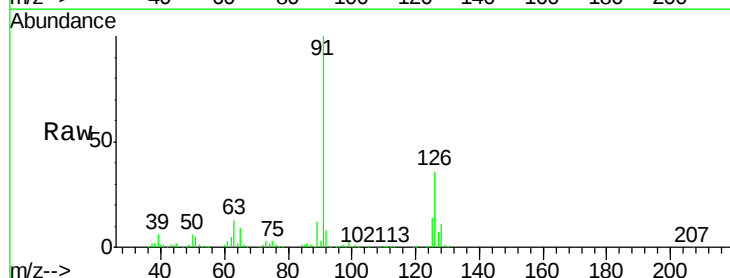
Acq: 16 Oct 2018 23:11

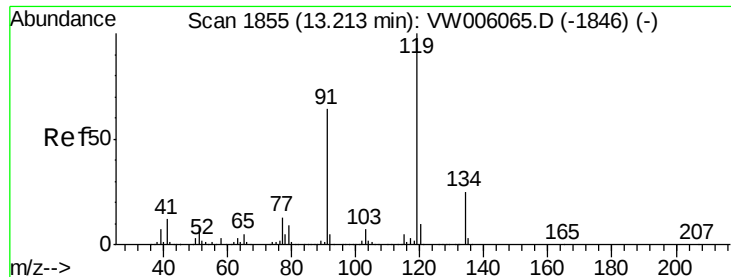
Tgt Ion: 91 Resp: 515927

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.3

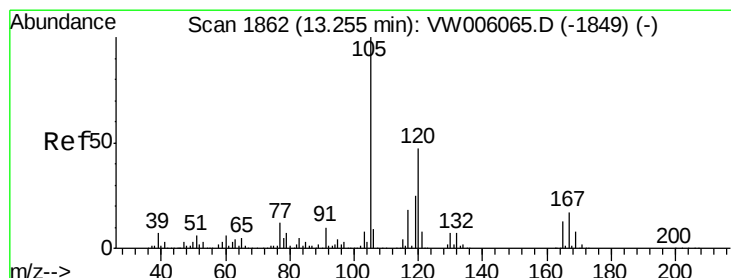
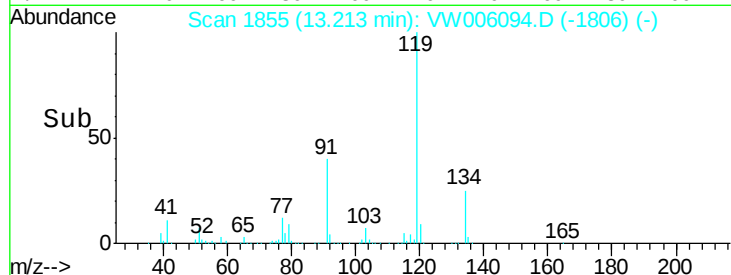
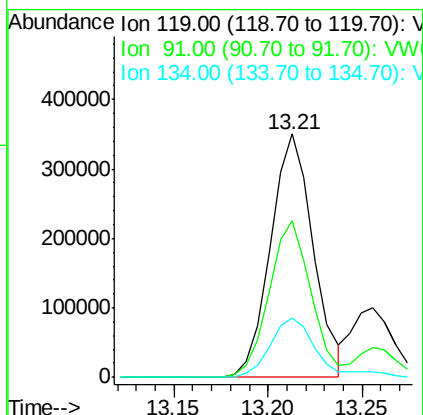
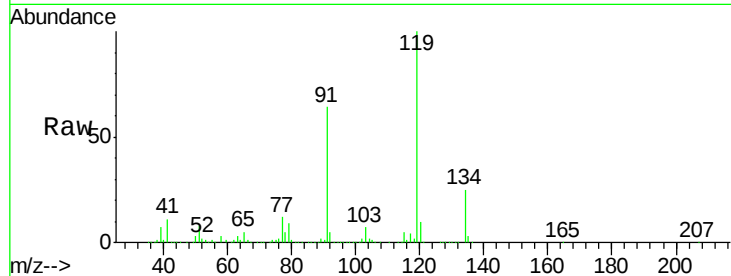




#83
tert-Butylbenzene
Concen: 50.048 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

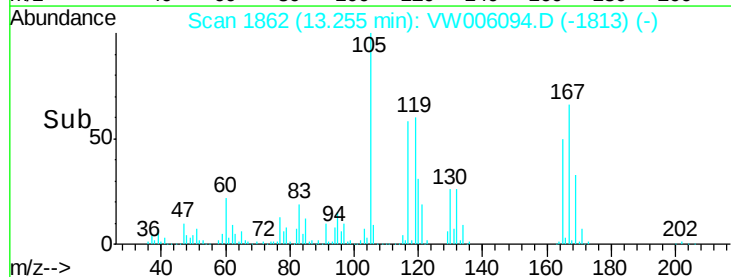
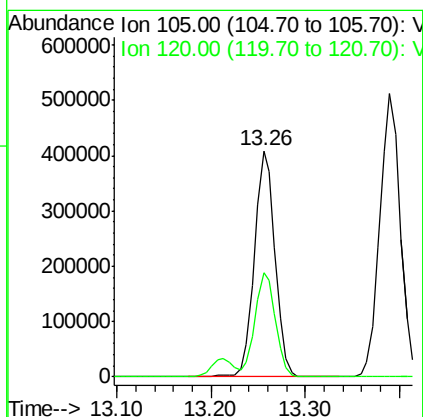
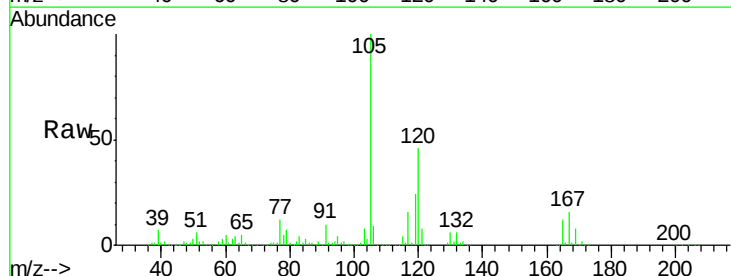
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

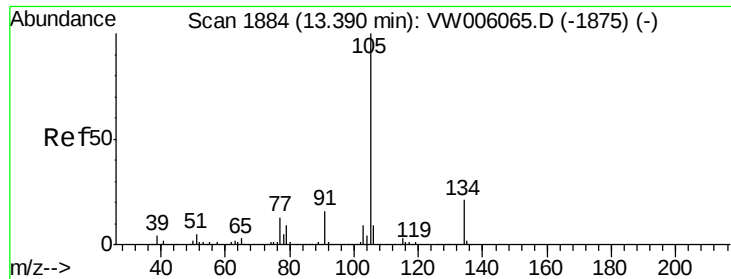
Tgt Ion:119 Resp: 549836
Ion Ratio Lower Upper
119 100
91 62.6 32.3 96.9
134 25.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 50.975 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006094.D
Acq: 16 Oct 2018 23:11

Tgt Ion:105 Resp: 633378
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3

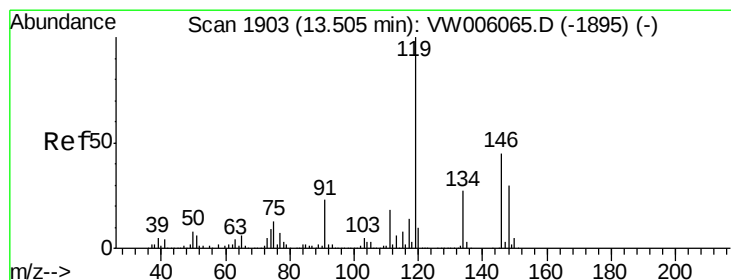
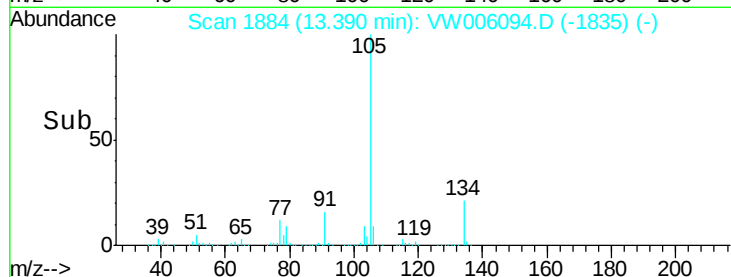
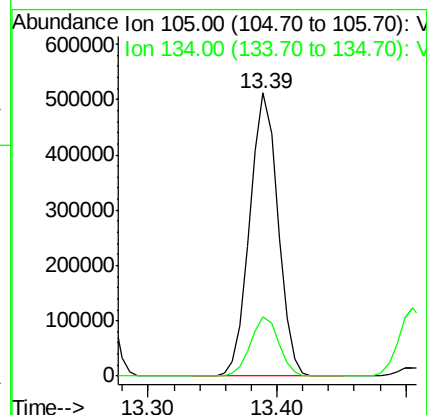
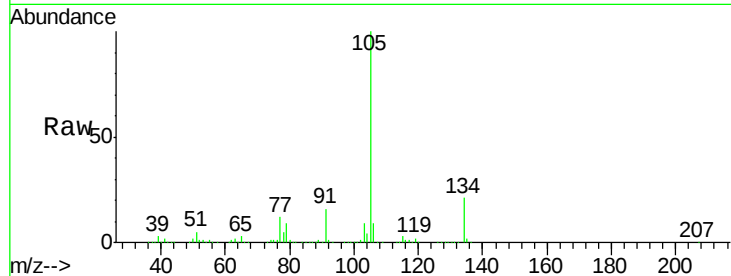




#85
 sec-Butylbenzene
 Concen: 49.724 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

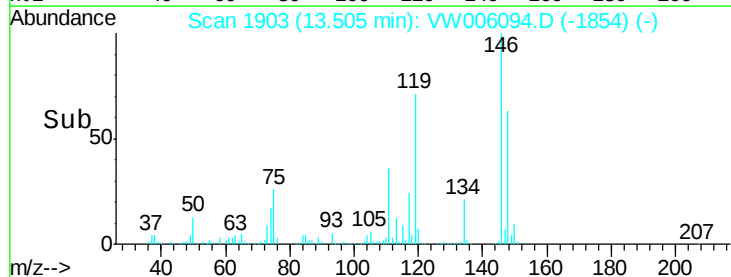
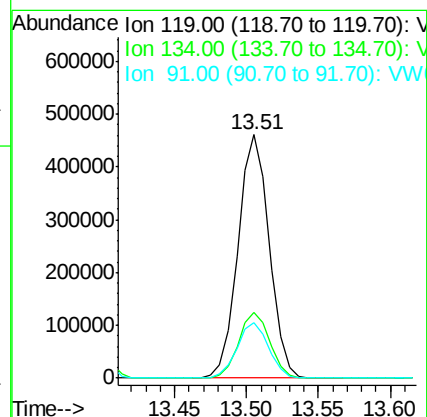
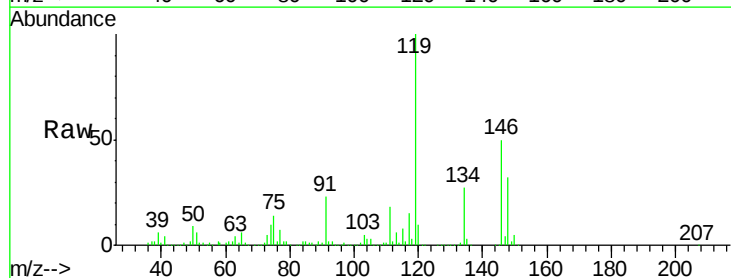
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

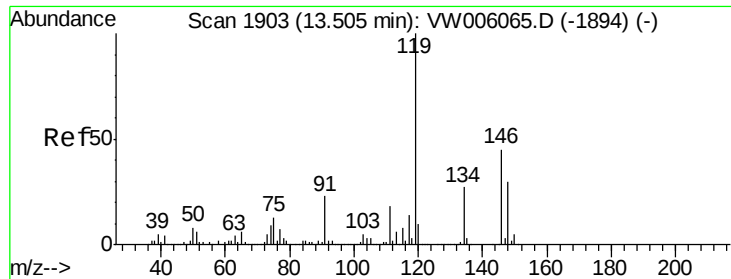
Tgt Ion:105 Resp: 771741
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 49.388 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion:119 Resp: 693333
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 23.0 11.4 34.1

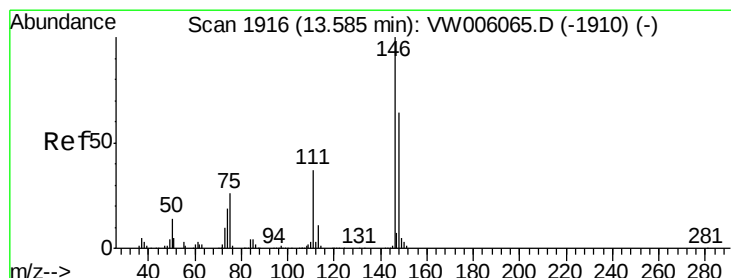
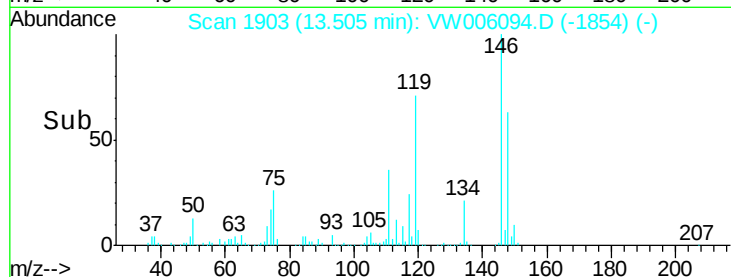
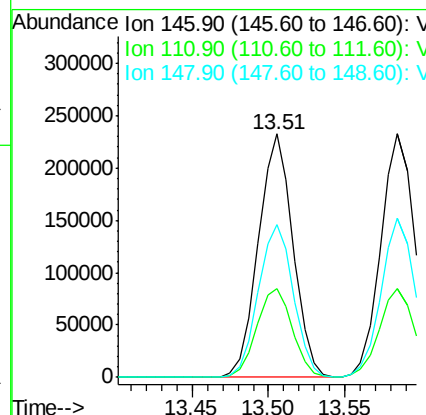
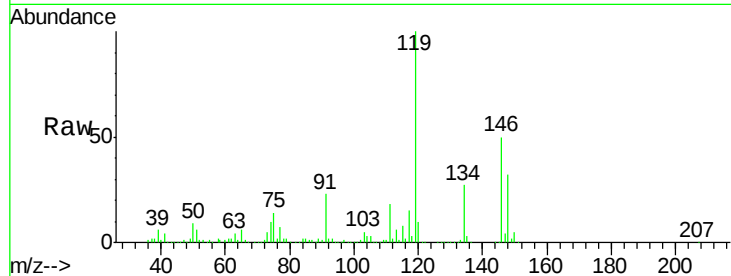




#87
 1,3-Dichlorobenzene
 Concen: 51.680 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

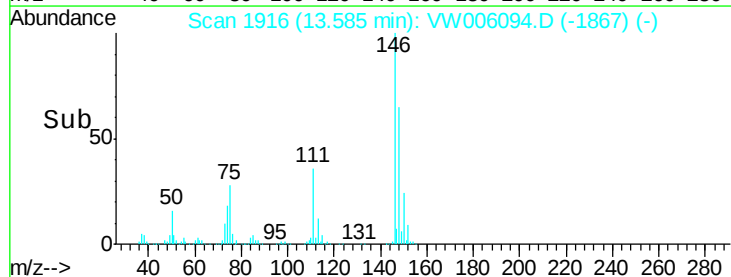
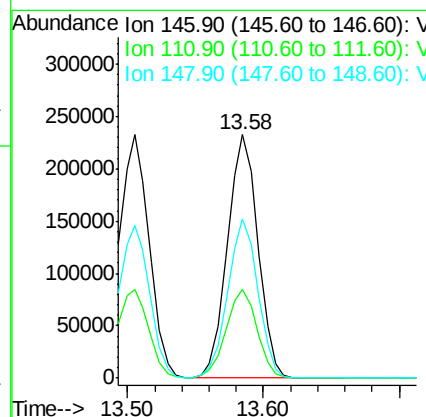
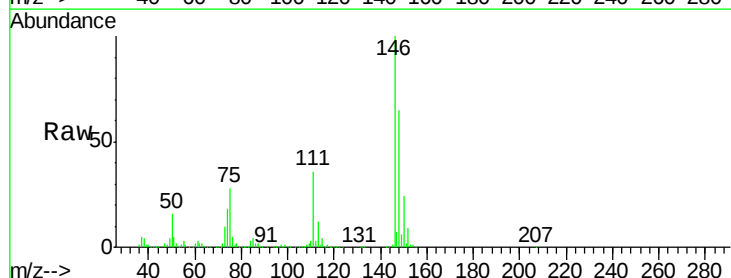
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 366934
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.5
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion:146 Resp: 361048
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 56.0
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 48.523 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

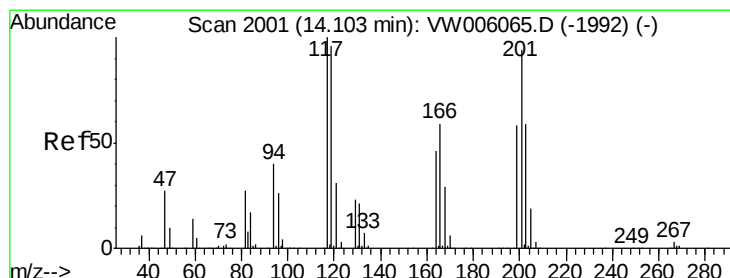
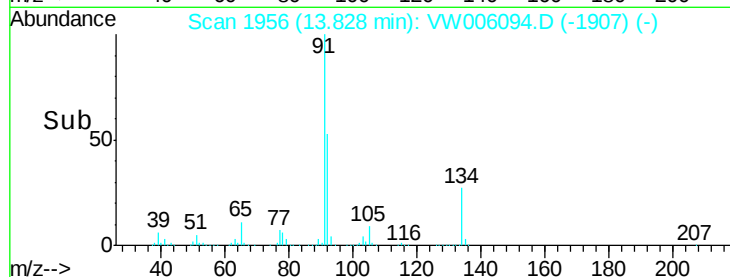
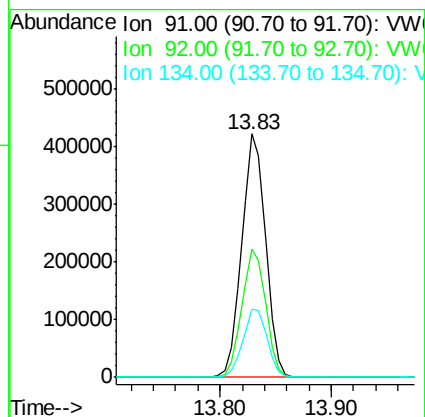
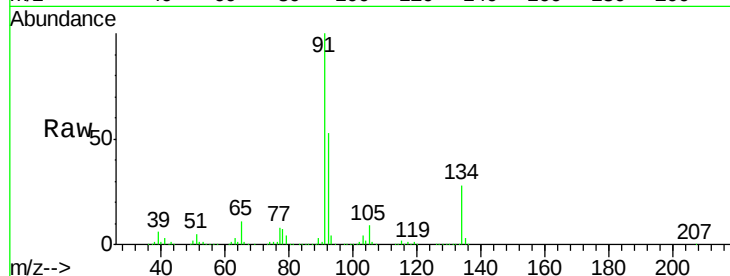
Tgt Ion: 91 Resp: 622969

Ion Ratio Lower Upper

91 100

92 52.8 26.6 79.7

134 28.5 14.0 41.9



#90

Hexachloroethane

Concen: 50.637 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006094.D

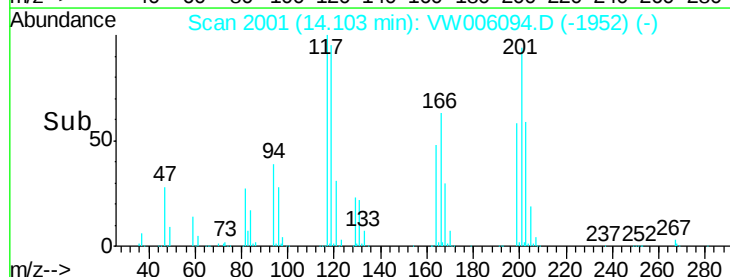
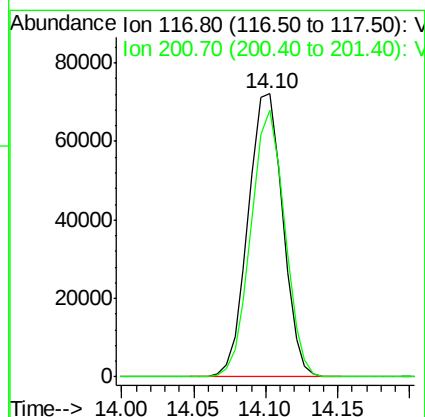
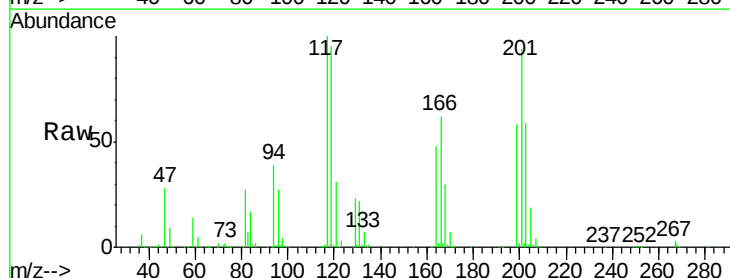
Acq: 16 Oct 2018 23:11

Tgt Ion: 117 Resp: 120409

Ion Ratio Lower Upper

117 100

201 91.6 45.3 135.9

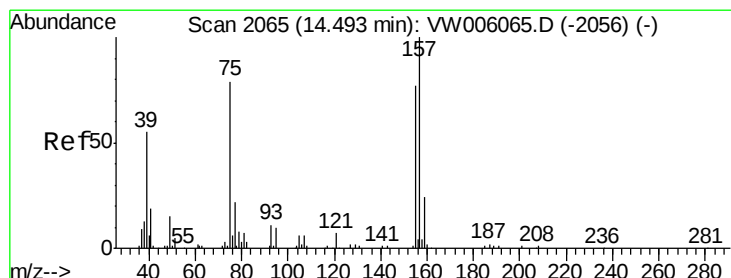
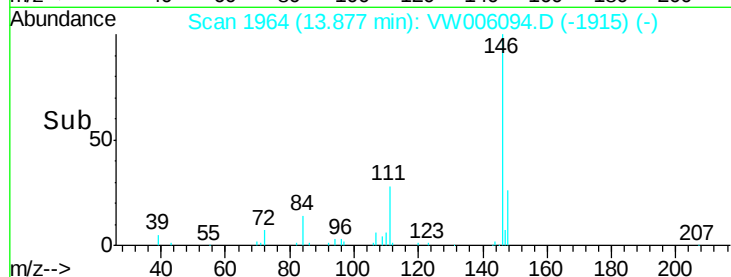
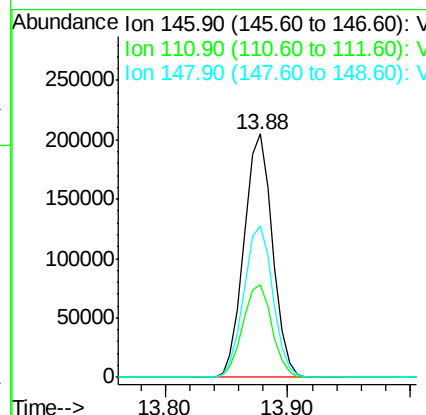
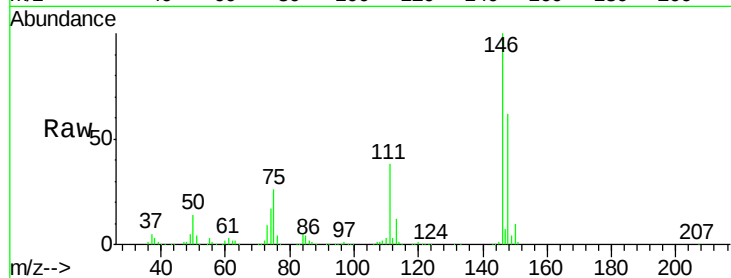




#91
 1,2-Dichlorobenzene
 Concen: 52.281 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

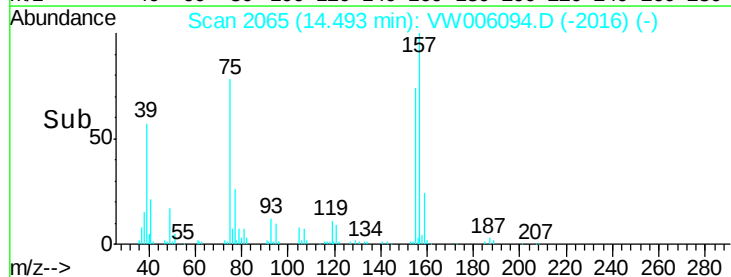
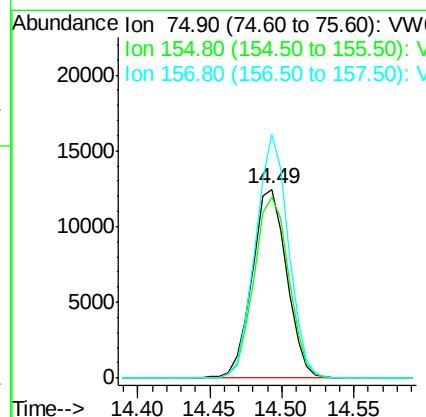
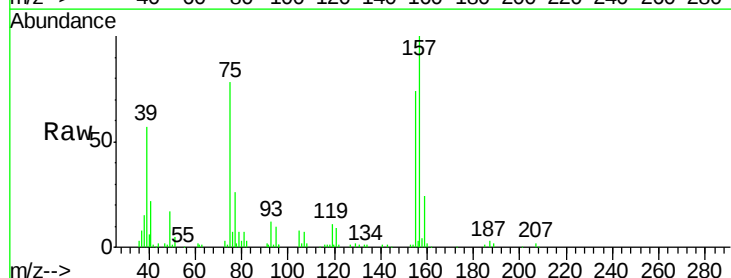
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

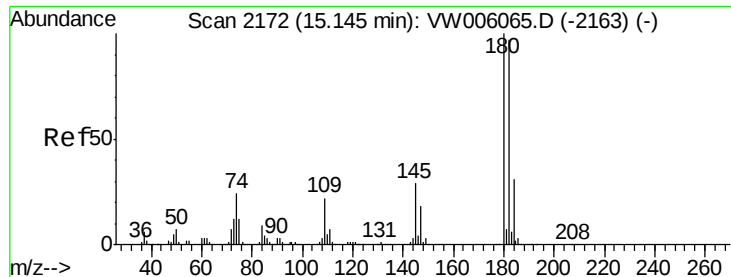
Tgt Ion: 146 Resp: 331113
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 63.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.135 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006094.D
 Acq: 16 Oct 2018 23:11

Tgt Ion: 75 Resp: 20679
 Ion Ratio Lower Upper
 75 100
 155 96.9 46.5 139.5
 157 122.2 59.8 179.4





#93

1,2,4-Trichlorobenzene

Concen: 49.374 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

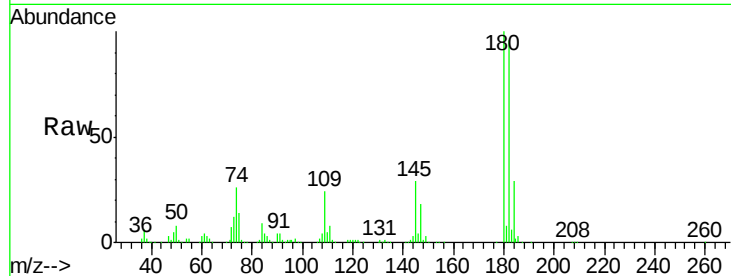
Tgt Ion:180 Resp: 240604

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.6

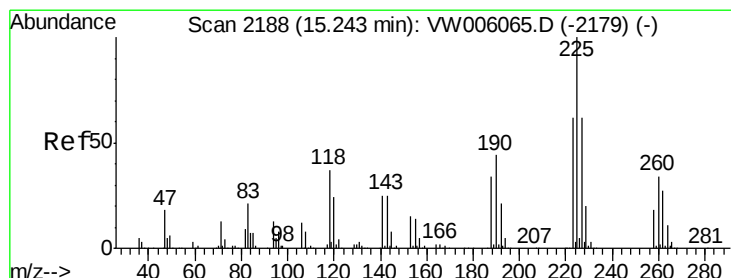
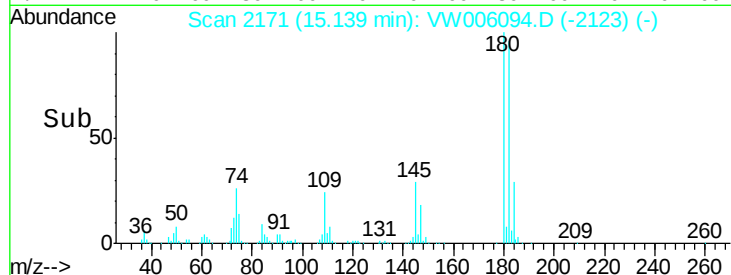
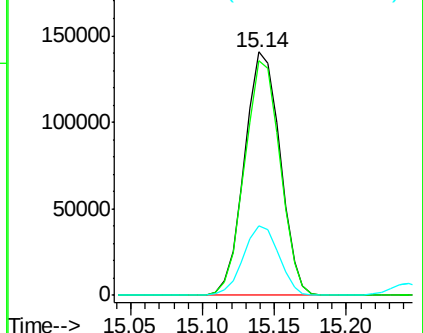
145 28.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.485 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

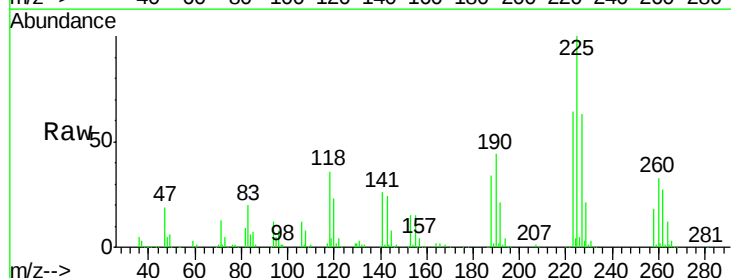
Tgt Ion:225 Resp: 148425

Ion Ratio Lower Upper

225 100

223 62.5 31.1 93.5

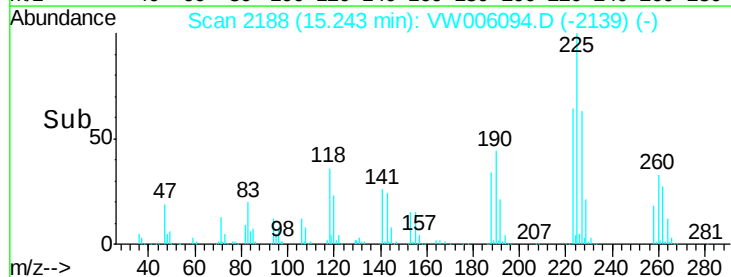
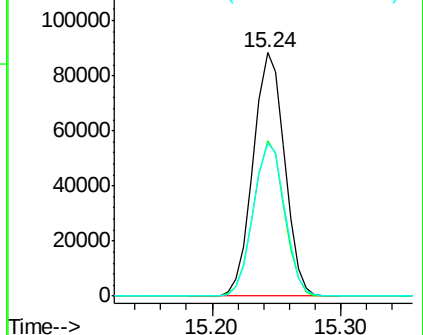
227 63.4 32.4 97.0

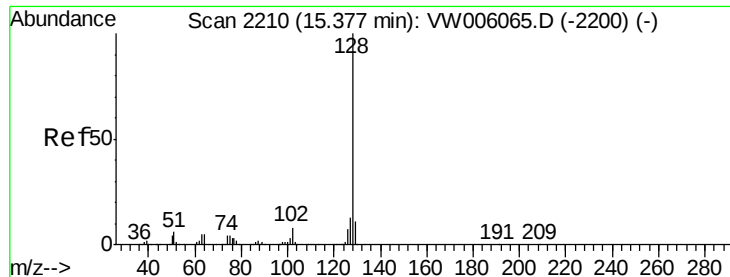


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.011 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

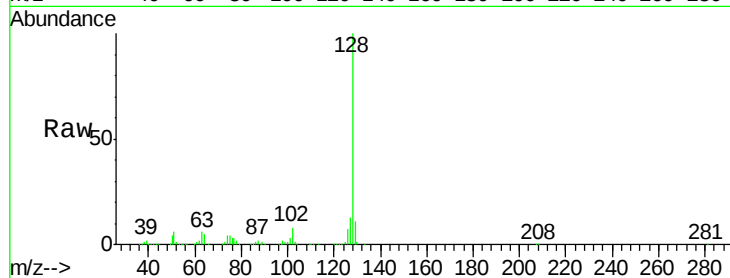
Tgt Ion:128 Resp: 429734

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

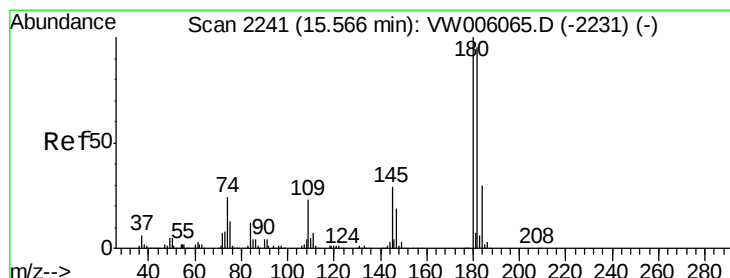
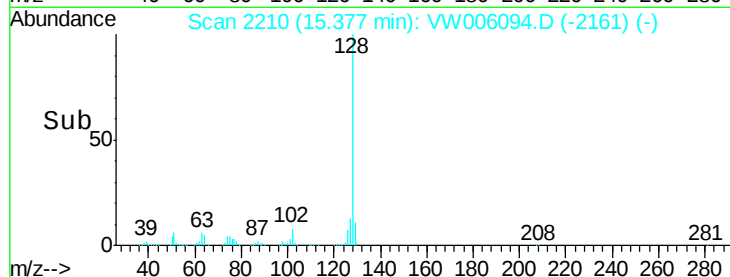
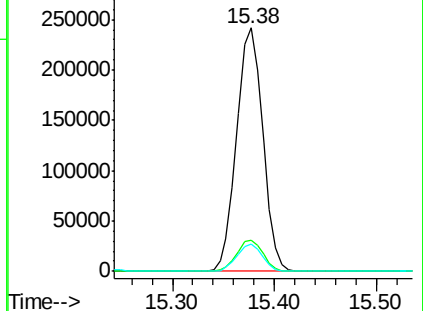
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.400 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006094.D

Acq: 16 Oct 2018 23:11

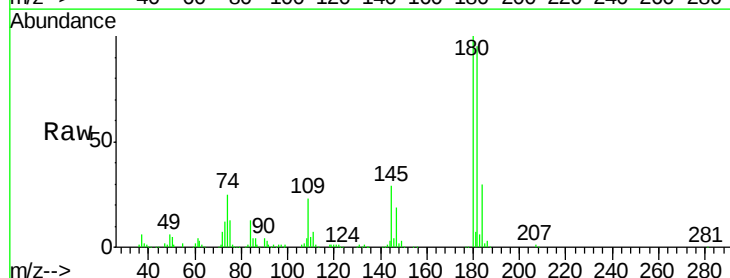
Tgt Ion:180 Resp: 212435

Ion Ratio Lower Upper

180 100

182 95.7 47.8 143.3

145 30.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

