

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010804.D
 Acq On : 13 Jun 2019 18:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 14 08:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147622	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
35) Dibromofluoromethane	7.88	113	111935	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
50) Toluene-d8	10.32	98	462585	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	172770	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	96345	47.670	ug/l	99
3) Chloromethane	2.21	50	151212	50.853	ug/l	99
4) Vinyl Chloride	2.35	62	136009	49.507	ug/l	97
5) Bromomethane	2.75	94	83301	55.215	ug/l	97
6) Chloroethane	2.90	64	85681	51.957	ug/l	99
7) Trichlorofluoromethane	3.25	101	192278	53.916	ug/l	96
8) Diethyl Ether	3.68	74	71423	56.042	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119241	54.384	ug/l	99
10) Methyl Iodide	4.27	142	93518	42.230	ug/l	98
11) Tert butyl alcohol	5.17	59	69797	332.350	ug/l	98
12) 1,1-Dichloroethene	4.03	96	112684	53.277	ug/l	94
13) Acrolein	3.89	56	12395	144.435	ug/l	99
14) Allyl chloride	4.67	41	271272	58.169	ug/l	99
15) Acrylonitrile	5.37	53	180474	291.486	ug/l	99
16) Acetone	4.12	43	204809	296.513	ug/l	100
17) Carbon Disulfide	4.37	76	337839	50.318	ug/l	100
18) Methyl Acetate	4.67	43	88133	59.275	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	355008	58.197	ug/l	97
20) Methylene Chloride	4.91	84	130807	53.982	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	132619	55.234	ug/l	99
22) Diisopropyl ether	6.31	45	555101	59.455	ug/l	99
23) Vinyl Acetate	6.26	43	1690308	299.990	ug/l	100
24) 1,1-Dichloroethane	6.21	63	269400	57.577	ug/l	99
25) 2-Butanone	7.17	43	292668	305.567	ug/l	97
26) 2,2-Dichloropropane	7.17	77	221245	58.109	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	150086	56.801	ug/l	98
28) Bromochloromethane	7.51	49	119750	57.349	ug/l	95
29) Tetrahydrofuran	7.52	42	178040	295.531	ug/l	98
30) Chloroform	7.67	83	245992	57.479	ug/l	98
31) Cyclohexane	7.95	56	266631	51.263	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	213783	57.185	ug/l	99
36) 1,1-Dichloropropene	8.08	75	202663	54.283	ug/l	99
37) Ethyl Acetate	7.25	43	119487	57.755	ug/l	98
38) Carbon Tetrachloride	8.07	117	177698	55.136	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	250488	52.778	ug/l	99
40) Benzene	8.32	78	561883	55.168	ug/l	99
41) Methacrylonitrile	7.48	41	72899	59.281	ug/l	96
42) 1,2-Dichloroethane	8.40	62	185637	57.428	ug/l	100
43) Isopropyl Acetate	8.42	43	234594	58.694	ug/l	99
44) Trichloroethene	9.09	130	136456	54.313	ug/l	100
45) 1,2-Dichloropropane	9.37	63	153285	56.854	ug/l	97
46) Dibromomethane	9.46	93	71430	57.040	ug/l	99
47) Bromodichloromethane	9.64	83	188329	58.017	ug/l	97
48) Methyl methacrylate	9.43	41	113510	58.903	ug/l	97
49) 1,4-Dioxane	9.45	88	21887	1117.900	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	601356	294.509	ug/l	100
52) Toluene	10.39	92	344554	54.983	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	201331	58.556	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	231974	57.337	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102890	57.034	ug/l	98
56) Ethyl methacrylate	10.65	69	161202	58.072	ug/l	96
57) 1,3-Dichloropropane	10.93	76	194140	57.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	401746	276.311	ug/l	99
59) 2-Hexanone	10.97	43	439881	298.078	ug/l	99
60) Dibromochloromethane	11.13	129	115567	57.789	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96765	56.613	ug/l	99
64) Tetrachloroethene	10.86	164	115061	52.680	ug/l	97
65) Chlorobenzene	11.66	112	356053	55.040	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	125726	56.144	ug/l	99
67) Ethyl Benzene	11.73	91	680259	54.716	ug/l	98
68) m/p-Xylenes	11.84	106	485049	108.988	ug/l	99
69) o-Xylene	12.16	106	231155	54.764	ug/l	97
70) Styrene	12.18	104	408032	55.648	ug/l	100
71) Bromoform	12.35	173	64996	56.121	ug/l #	99
73) Isopropylbenzene	12.46	105	637755	54.121	ug/l	99
74) N-amyl acetate	12.27	43	228054	59.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125354	55.879	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	90116m	54.724	ug/l	
77) Bromobenzene	12.75	156	142073	55.234	ug/l	98
78) n-propylbenzene	12.80	91	776183	54.626	ug/l	100
79) 2-Chlorotoluene	12.90	91	448175	55.209	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	532293	55.187	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	41155	57.439	ug/l	99
82) 4-Chlorotoluene	12.99	91	464418	55.438	ug/l	100
83) tert-Butylbenzene	13.21	119	448726	54.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	534040	55.022	ug/l	99
85) sec-Butylbenzene	13.38	105	646656	54.258	ug/l	99
86) p-Isopropyltoluene	13.50	119	581078	54.521	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	274125	55.263	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	270299	54.965	ug/l	99
89) n-Butylbenzene	13.82	91	591385	55.613	ug/l	100
90) Hexachloroethane	14.10	117	107490	56.317	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	244774	54.871	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23216	60.266	ug/l	95

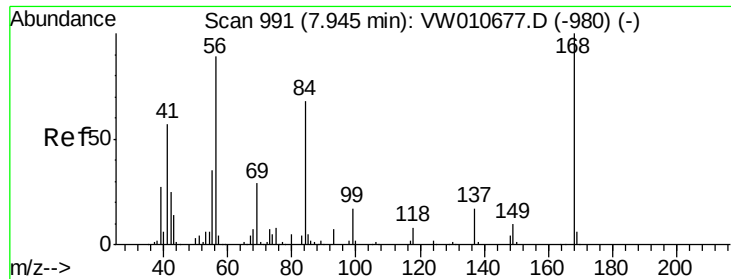
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	181714	58.048	ug/l	99
94) Hexachlorobutadiene	15.24	225	108870	55.414	ug/l	99
95) Naphthalene	15.37	128	344221	60.521	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	158943	59.702	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

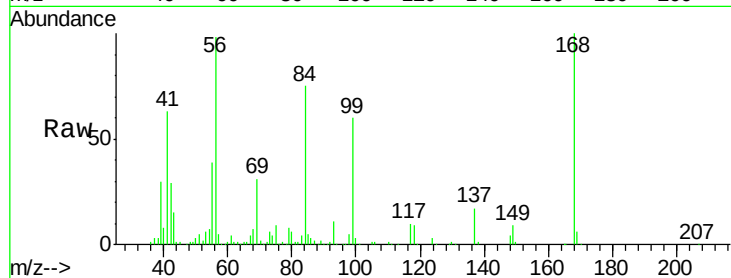
VSTDCCC050EC

Tot Ion:168 Resp: 218707

Ion Ratio Lower Upper

168 100

99 60.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

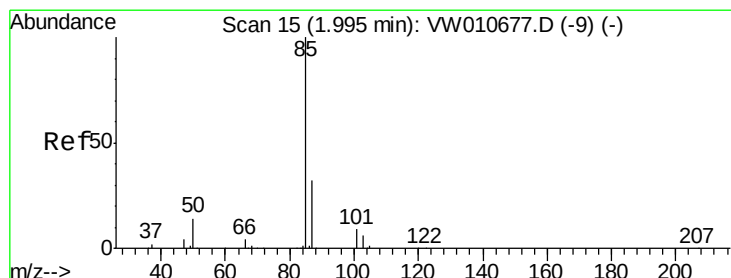
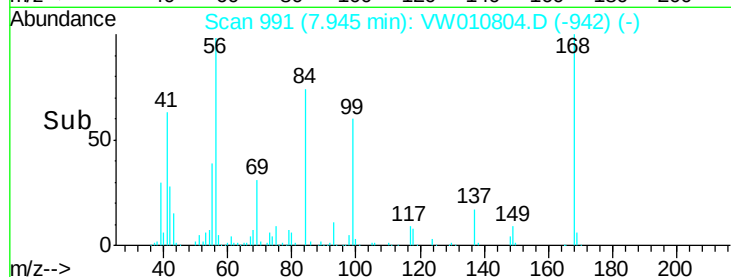
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.670 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010804.D

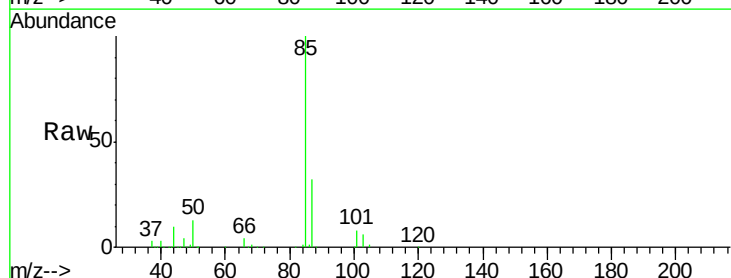
Acq: 13 Jun 2019 18:11

Tgt Ion: 85 Resp: 96345

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

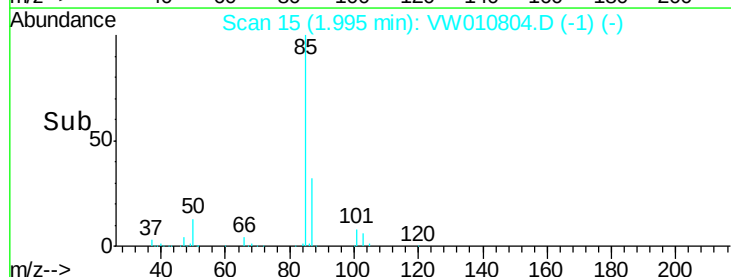
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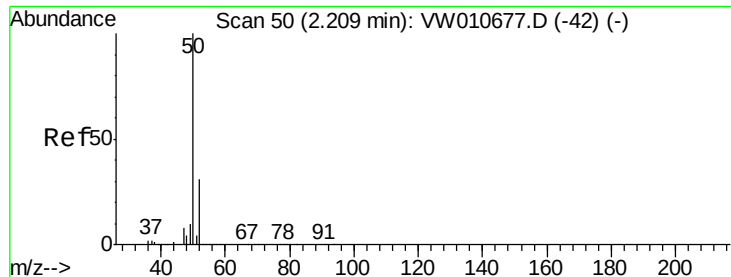
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.853 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

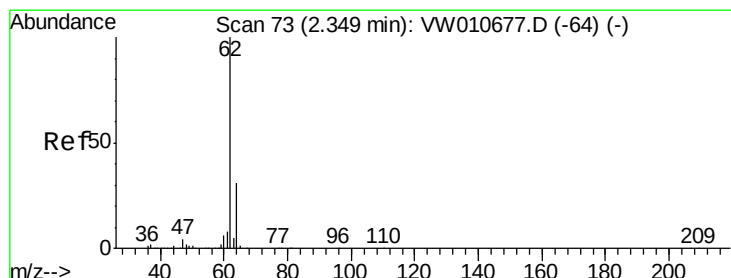
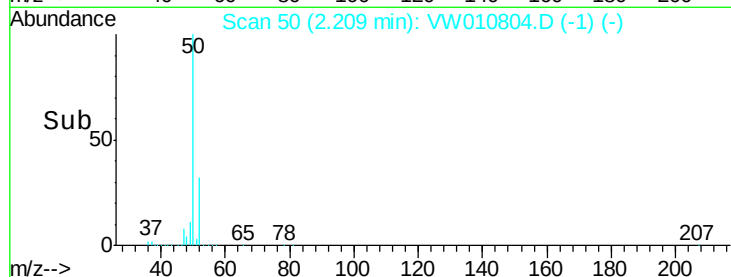
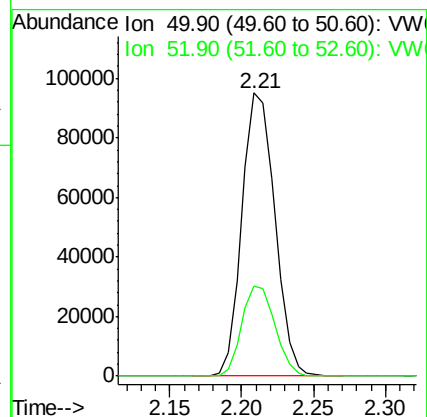
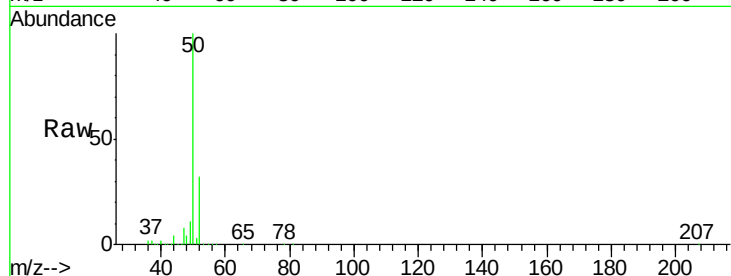
VSTDCCC050EC

Tot Ion: 50 Resp: 151212

Ion Ratio Lower Upper

50 100

52 31.9 25.2 37.8



#4

Vinyl Chloride

Concen: 49.507 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010804.D

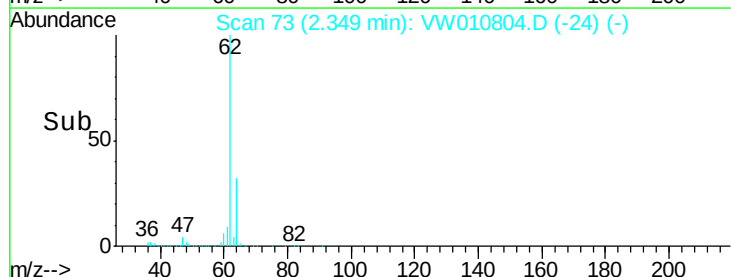
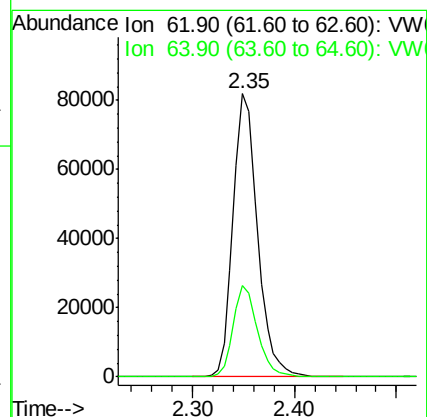
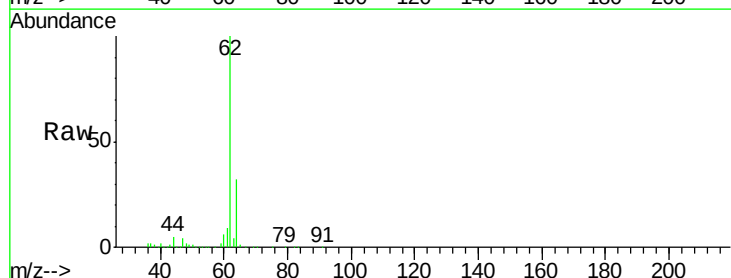
Acq: 13 Jun 2019 18:11

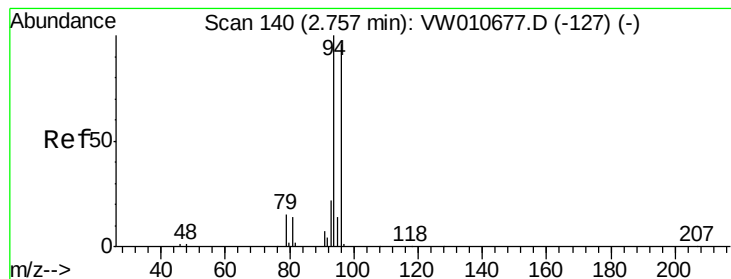
Tgt Ion: 62 Resp: 136009

Ion Ratio Lower Upper

62 100

64 32.1 24.5 36.7





#5

Bromomethane

Concen: 55.215 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

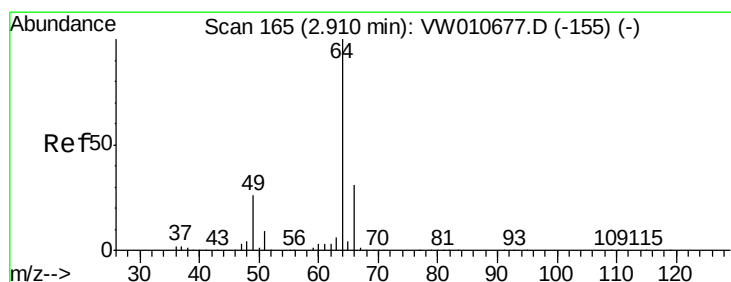
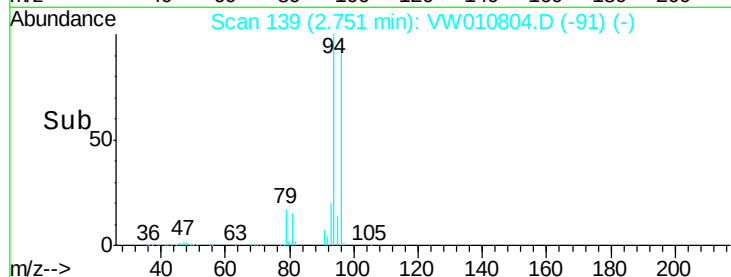
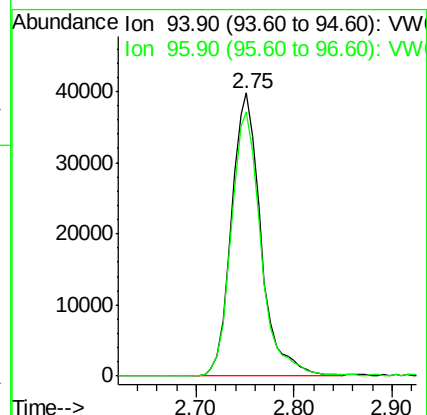
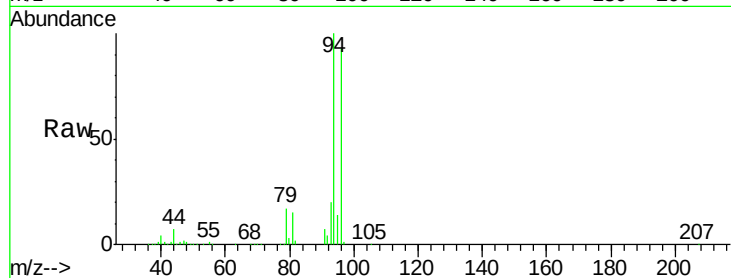
VSTDCCC050EC

Tot Ion: 94 Resp: 83301

Ion Ratio Lower Upper

94 100

96 93.1 76.5 114.7



#6

Chloroethane

Concen: 51.957 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010804.D

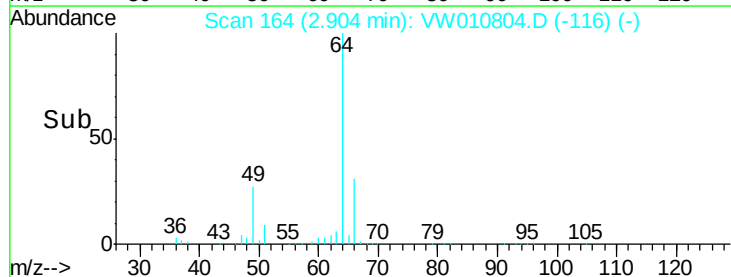
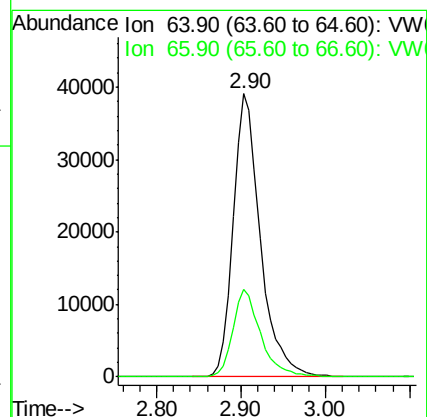
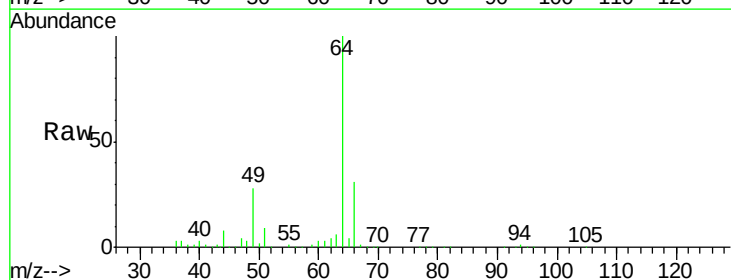
Acq: 13 Jun 2019 18:11

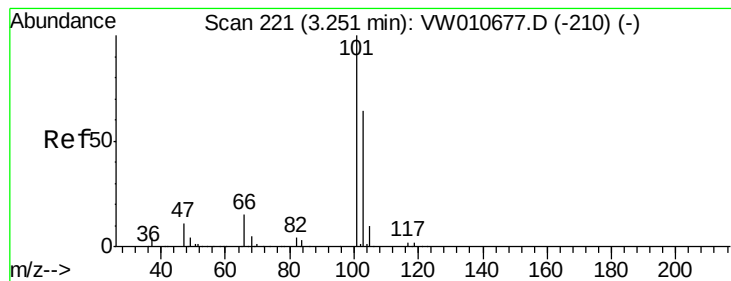
Tgt Ion: 64 Resp: 85681

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7



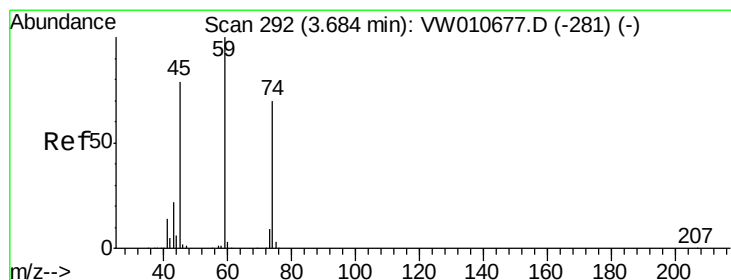
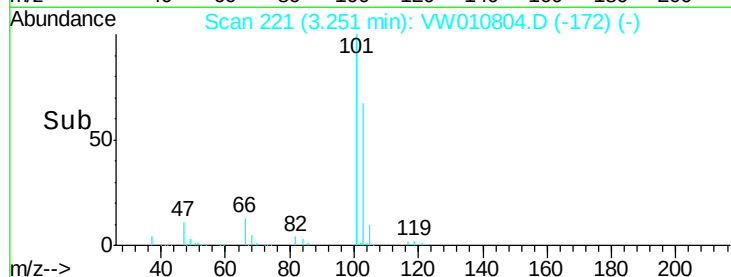
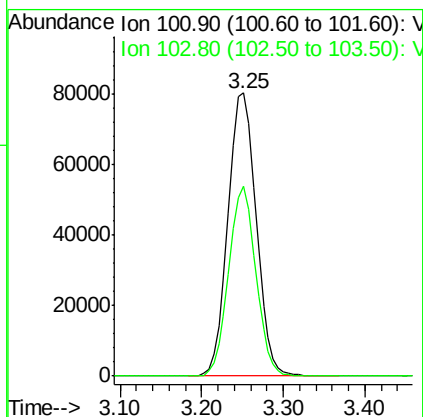
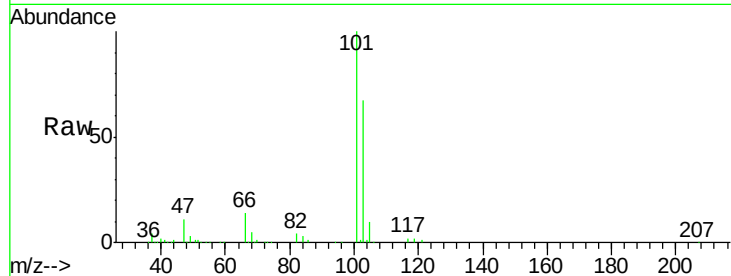


#7

Trichlorofluoromethane
Concen: 53.916 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010804.D
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

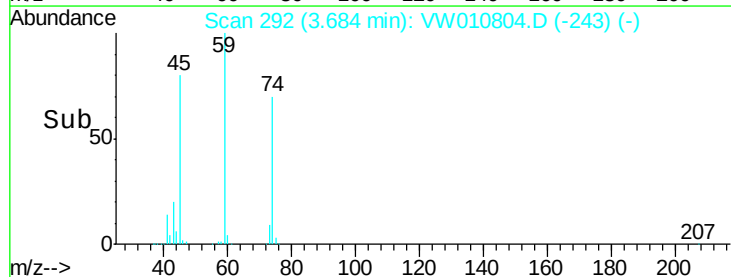
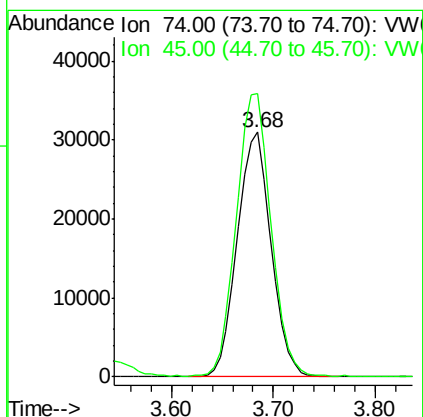
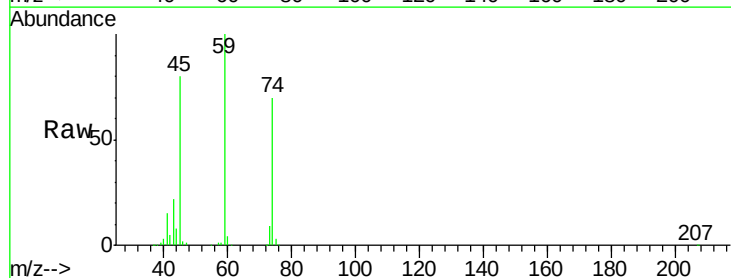
Tot Ion:101 Resp: 192278
Ion Ratio Lower Upper
101 100
103 67.2 51.2 76.8

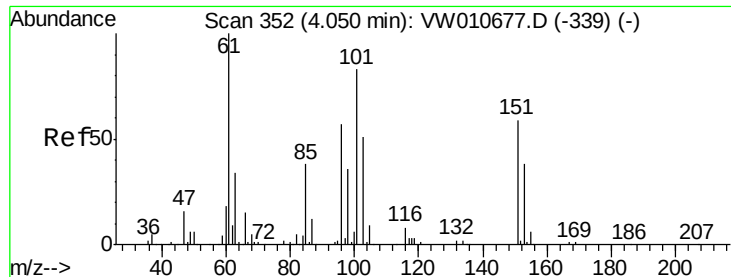


#8

Diethyl Ether
Concen: 56.042 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 74 Resp: 71423
Ion Ratio Lower Upper
74 100
45 118.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.384 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

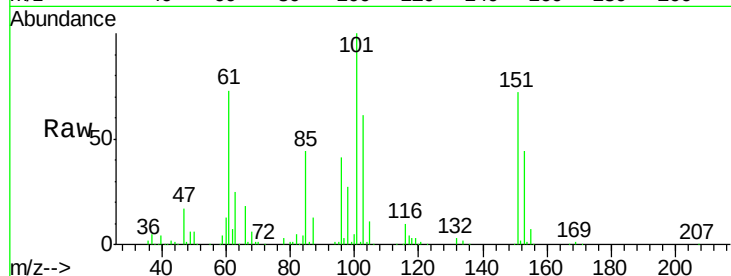
Tot Ion:101 Resp: 119241

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.8

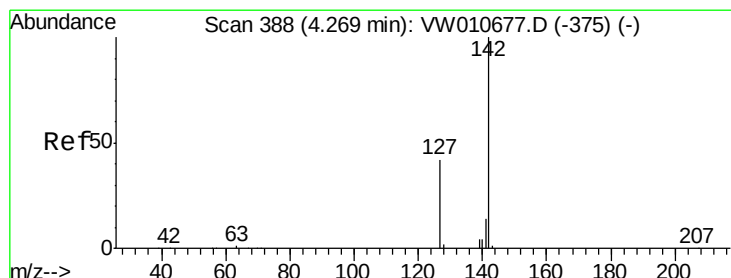
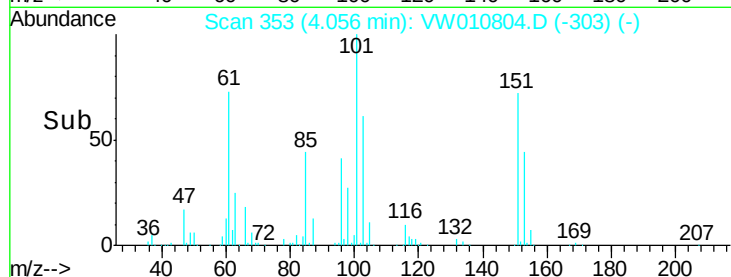
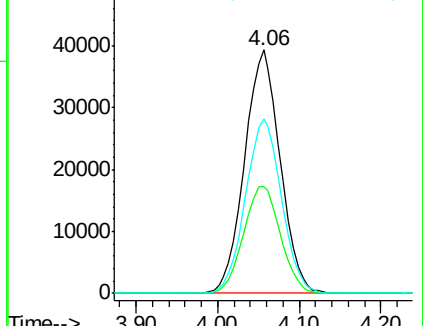
151 72.5 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.230 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

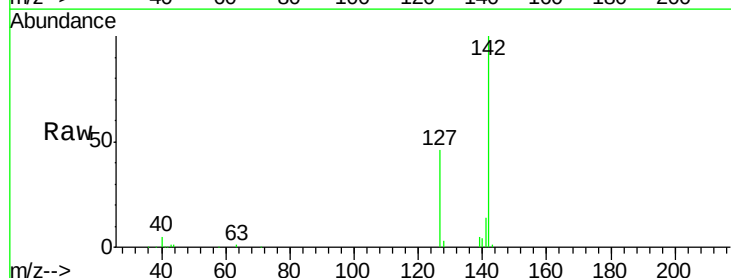
Tgt Ion:142 Resp: 93518

Ion Ratio Lower Upper

142 100

127 44.8 34.6 51.8

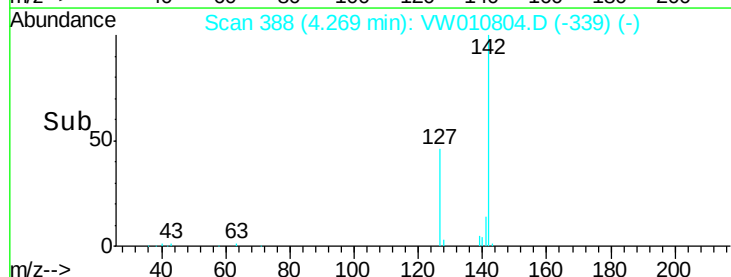
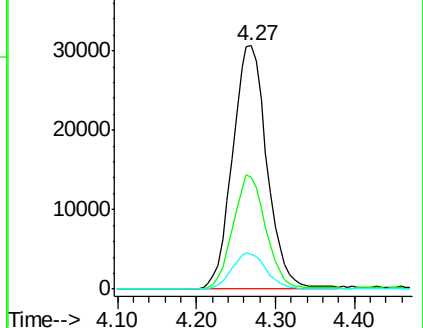
141 14.8 11.6 17.4

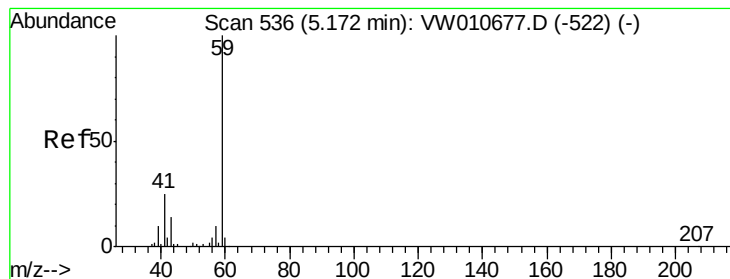


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



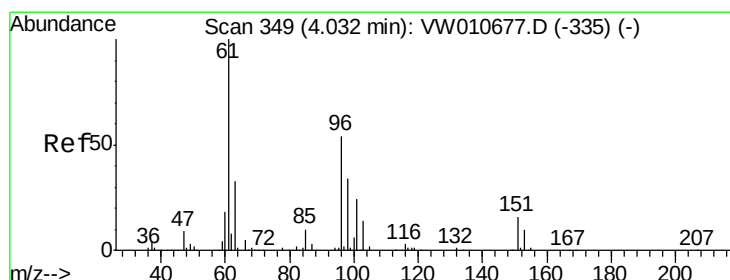
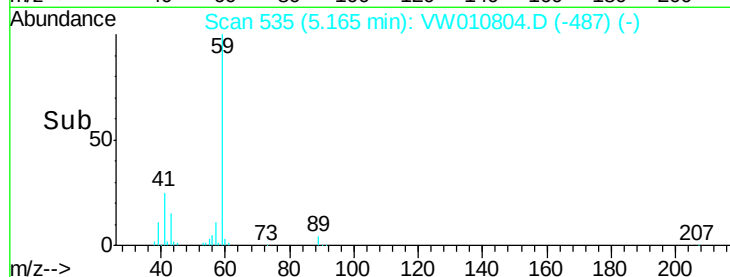
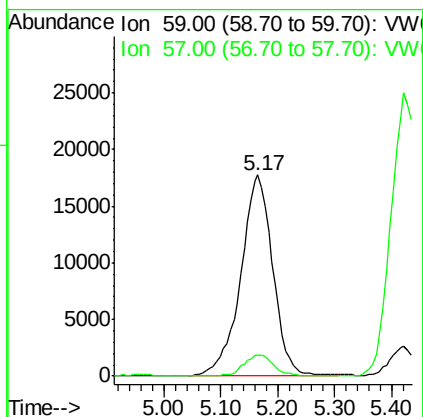
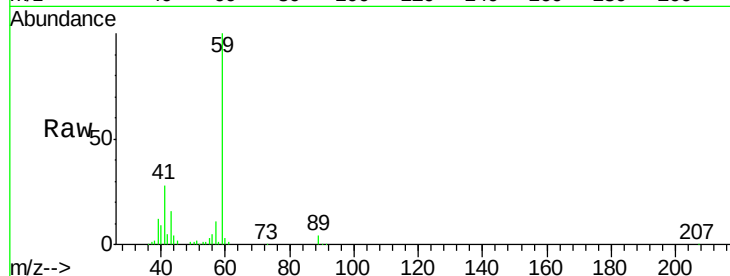


#11

Tert butyl alcohol
Concen: 332.350 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

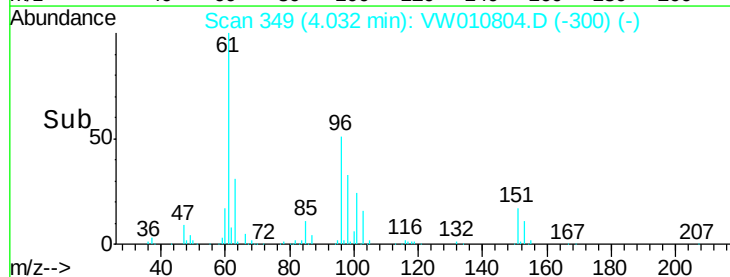
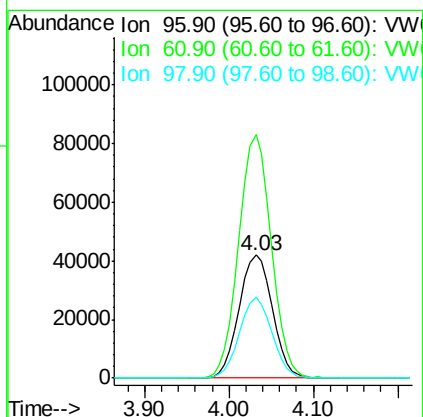
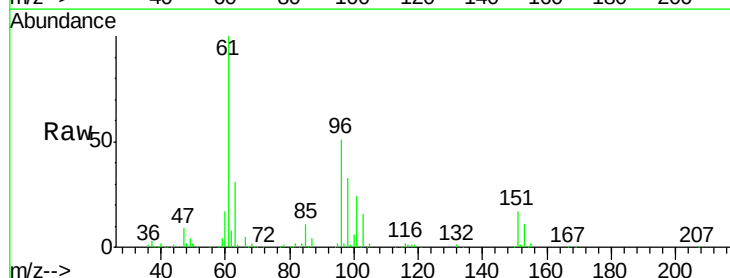
Tot Ion: 59 Resp: 69797
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8

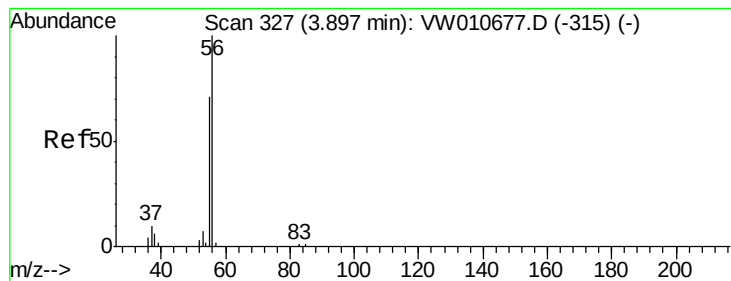


#12

1,1-Dichloroethene
Concen: 53.277 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 96 Resp: 112684
Ion Ratio Lower Upper
96 100
61 197.7 149.1 223.7
98 65.5 51.1 76.7





#13

Acrolein

Concen: 144.435 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

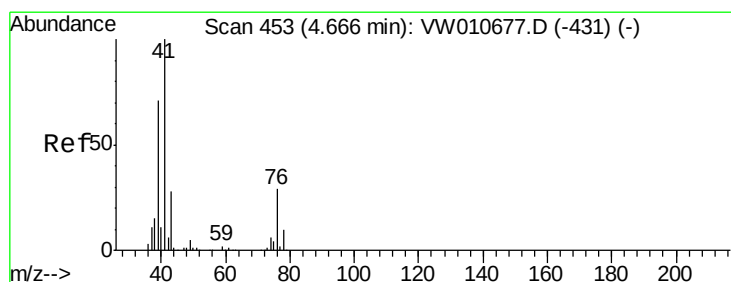
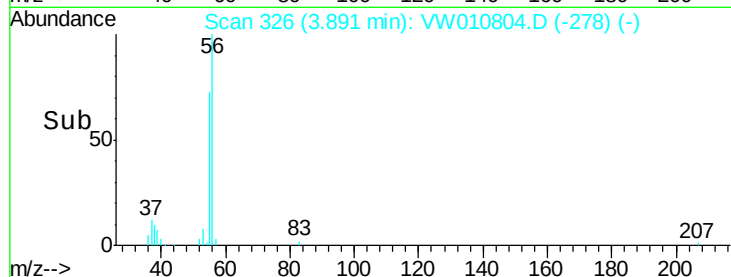
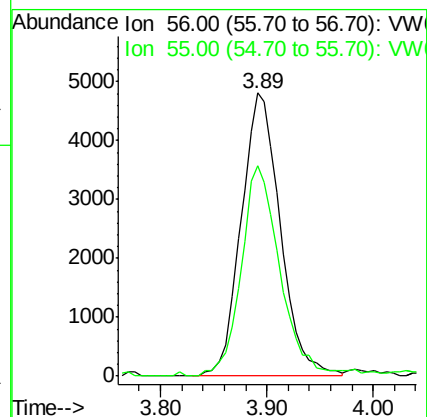
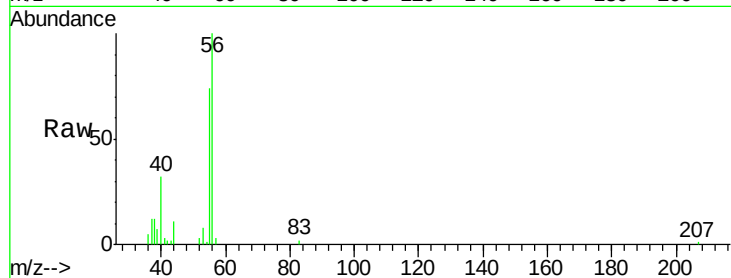
VSTDCCC050EC

Tot Ion: 56 Resp: 12395

Ion Ratio Lower Upper

56 100

55 72.9 57.6 86.4



#14

Allyl chloride

Concen: 58.169 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

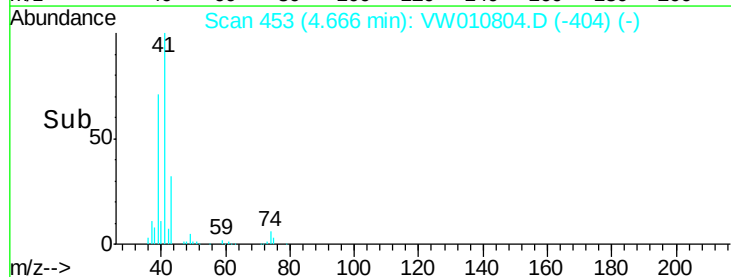
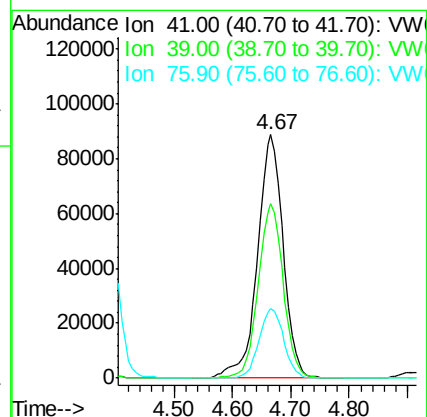
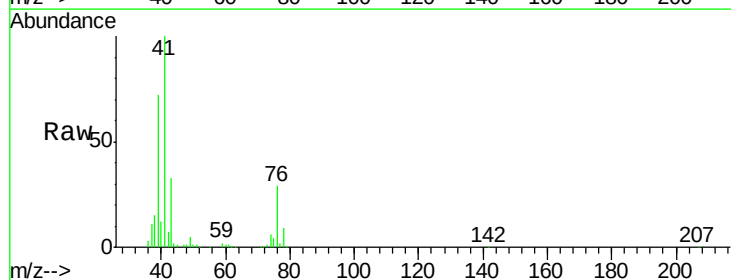
Tgt Ion: 41 Resp: 271272

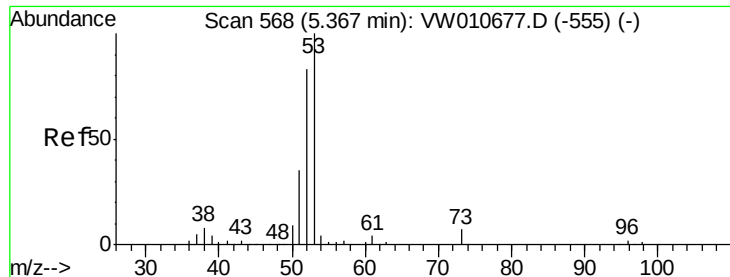
Ion Ratio Lower Upper

41 100

39 70.2 55.8 83.6

76 27.5 22.7 34.1





#15

Acrylonitrile

Concen: 291.486 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

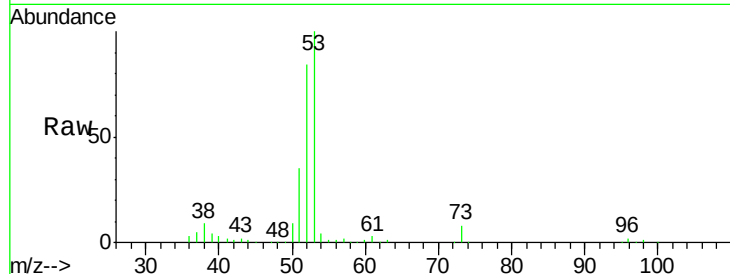
Tot Ion: 53 Resp: 180474

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

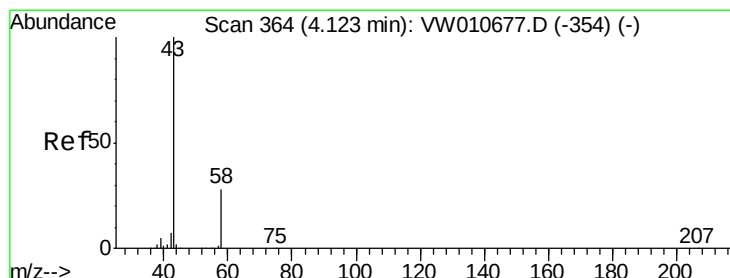
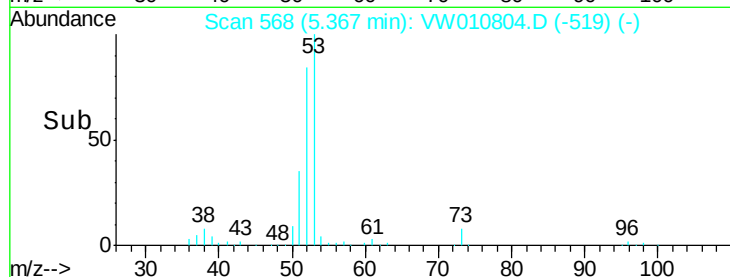
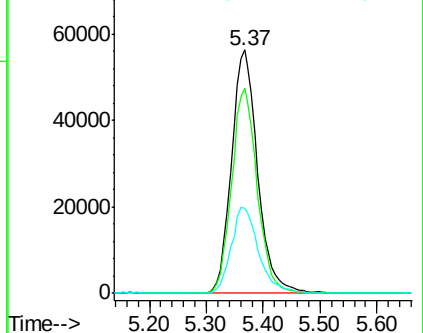
51 37.3 29.8 44.8



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: 296.513 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010804.D

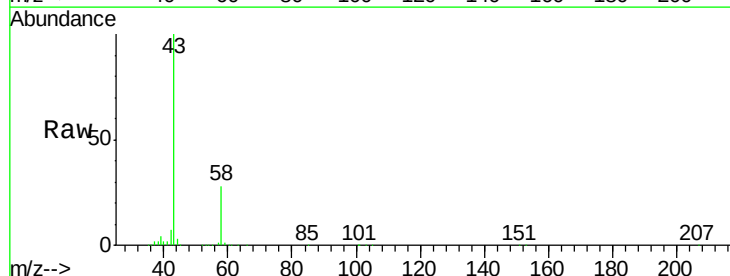
Acq: 13 Jun 2019 18:11

Tgt Ion: 43 Resp: 204809

Ion Ratio Lower Upper

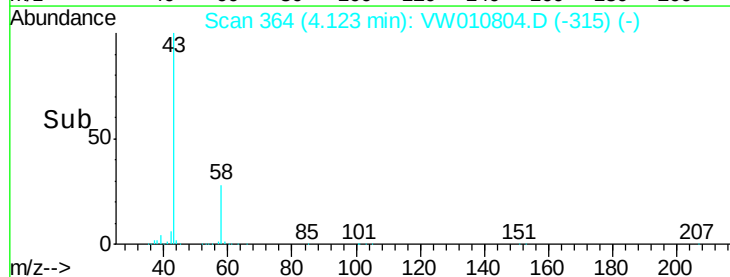
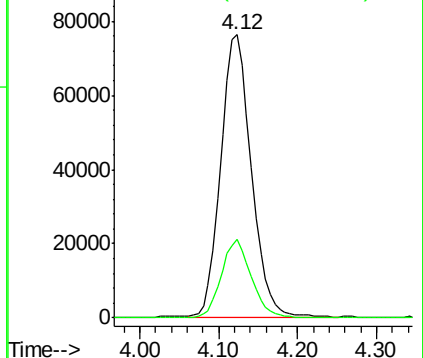
43 100

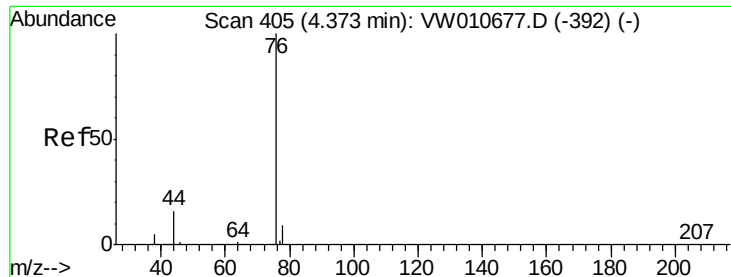
58 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 50.318 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

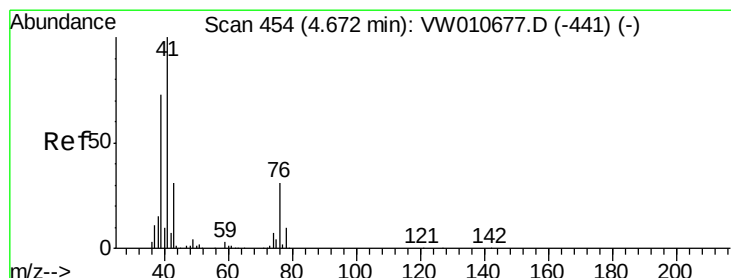
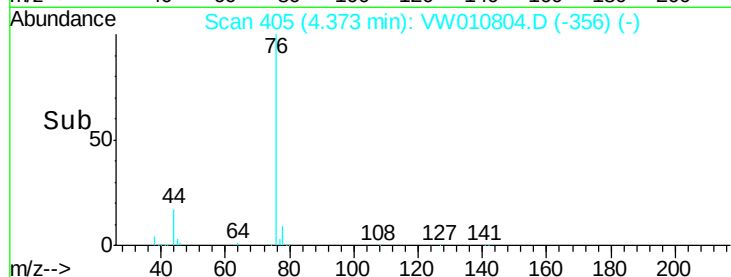
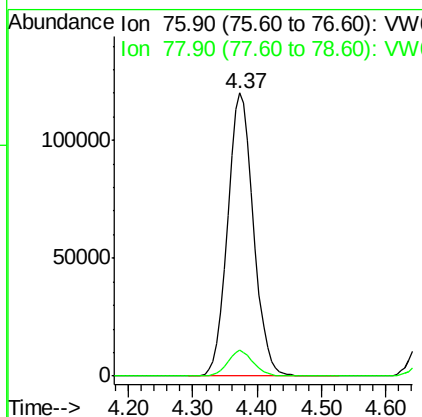
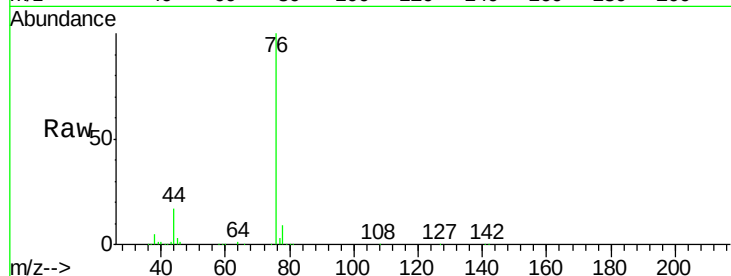
VSTDCCC050EC

Tot Ion: 76 Resp: 337839

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



#18

Methyl Acetate

Concen: 59.275 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010804.D

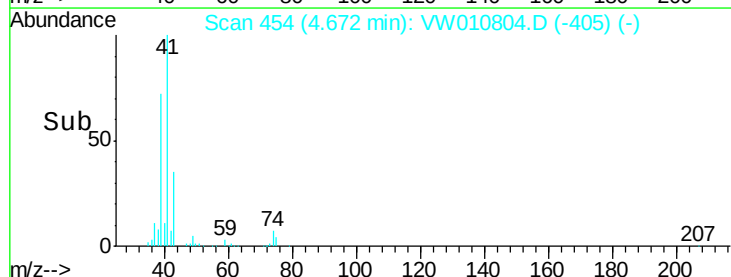
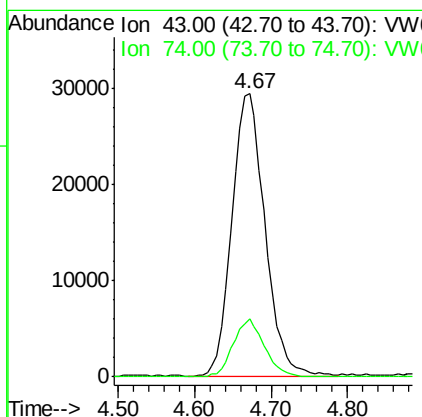
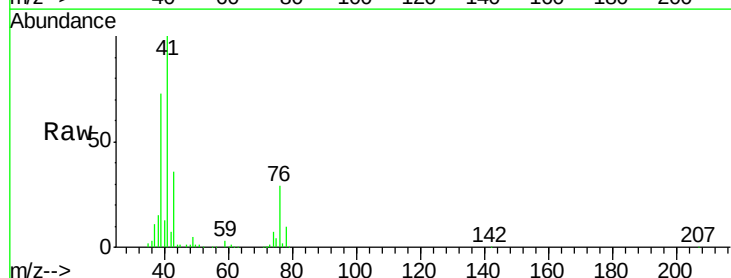
Acq: 13 Jun 2019 18:11

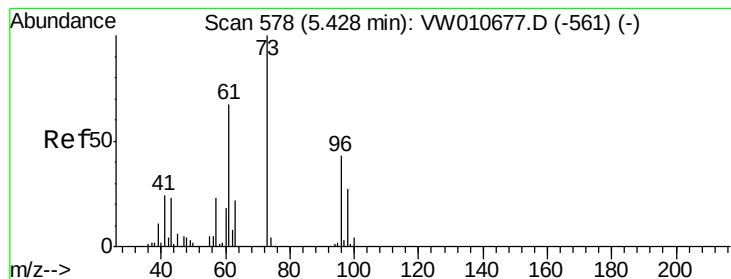
Tgt Ion: 43 Resp: 88133

Ion Ratio Lower Upper

43 100

74 19.4 16.7 25.1



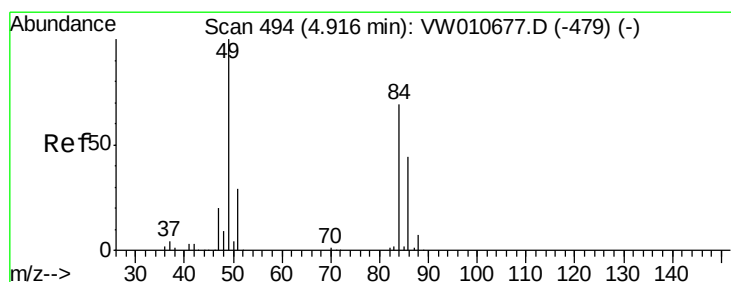
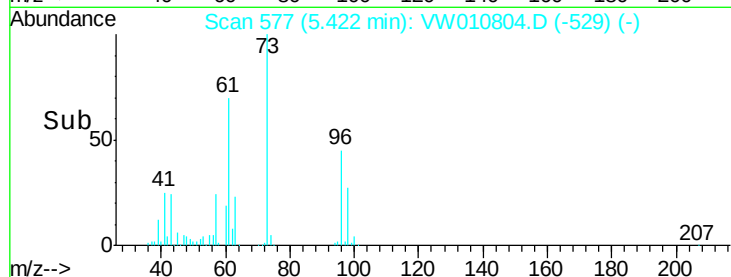
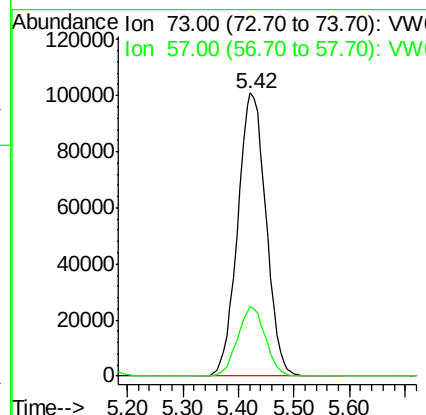
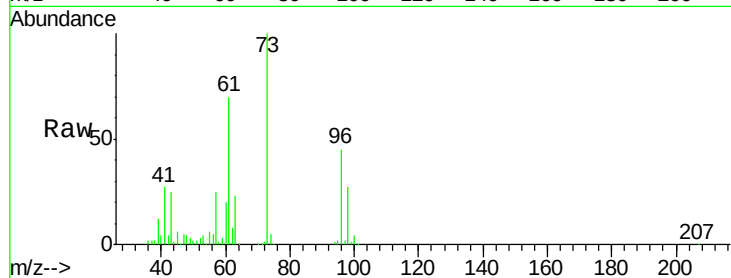


#19

Methyl tert-butyl Ether
 Concen: 58.197 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

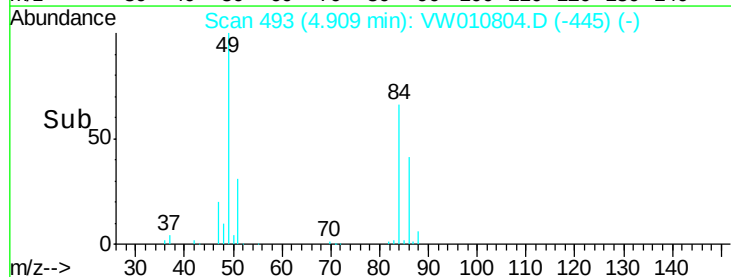
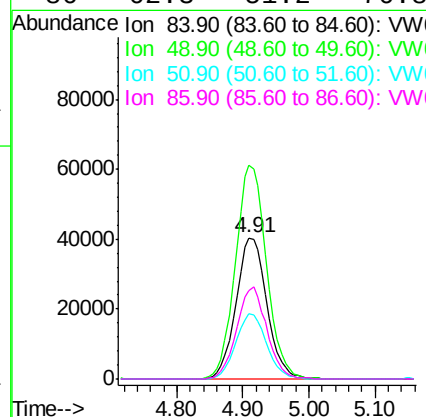
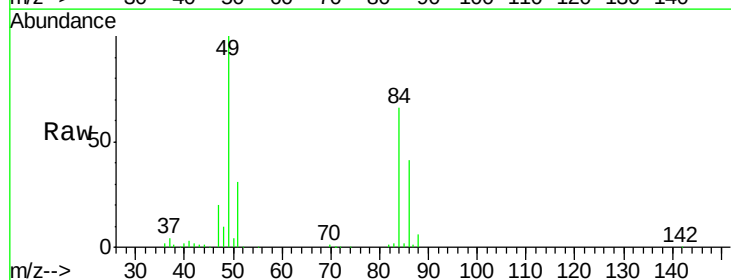
Tot Ion: 73 Resp: 355008
 Ion Ratio Lower Upper
 73 100
 57 24.8 18.6 27.8

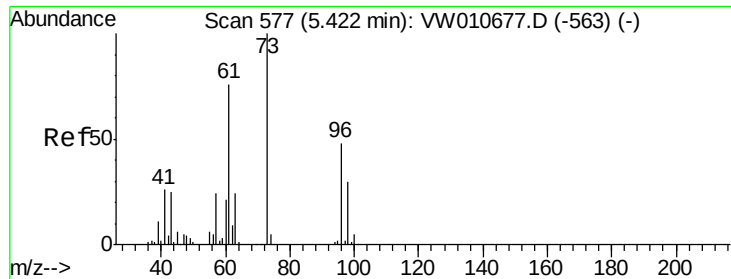


#20

Methylene Chloride
 Concen: 53.982 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 84 Resp: 130807
 Ion Ratio Lower Upper
 84 100
 49 151.5 116.7 175.1
 51 46.4 34.2 51.2
 86 62.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.234 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

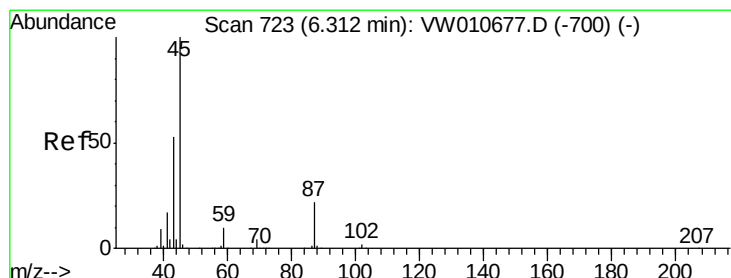
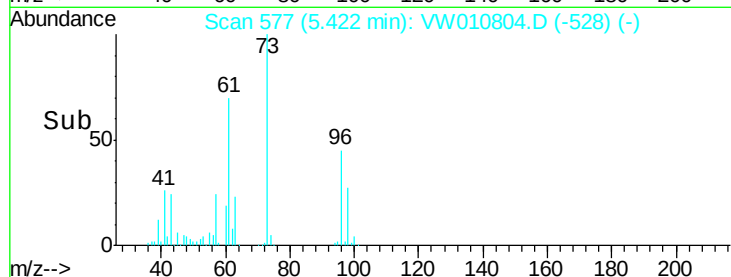
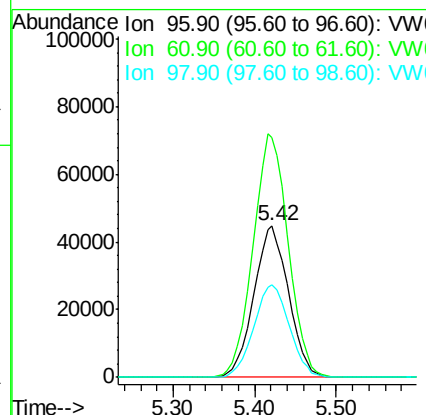
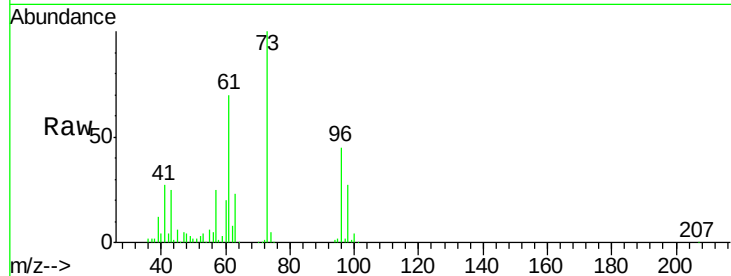
Tot Ion: 96 Resp: 132619

Ion Ratio Lower Upper

96 100

61 158.0 126.0 189.0

98 61.0 49.6 74.4



#22

Diisopropyl ether

Concen: 59.455 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Tgt Ion: 45 Resp: 555101

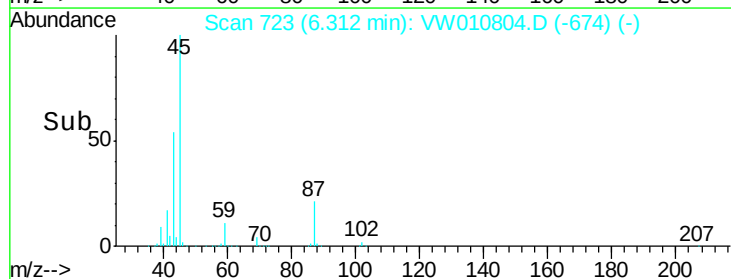
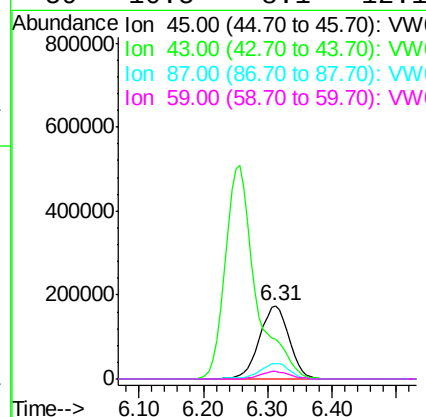
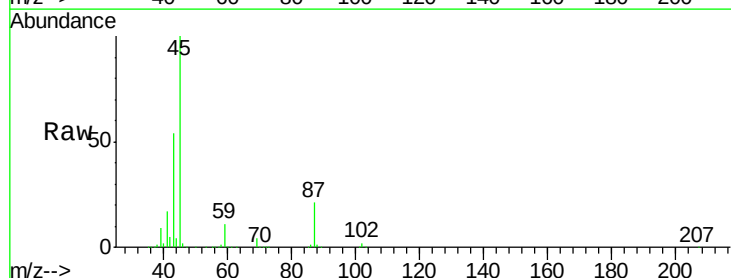
Ion Ratio Lower Upper

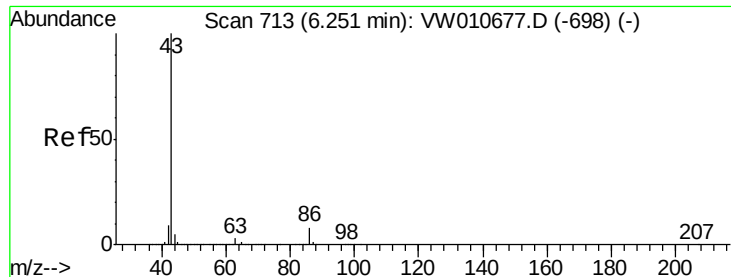
45 100

43 53.7 42.5 63.7

87 21.3 17.4 26.2

59 10.5 8.1 12.1





#23

Vinyl Acetate

Concen: 299.990 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

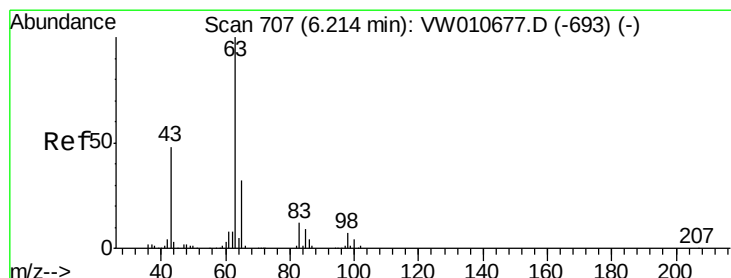
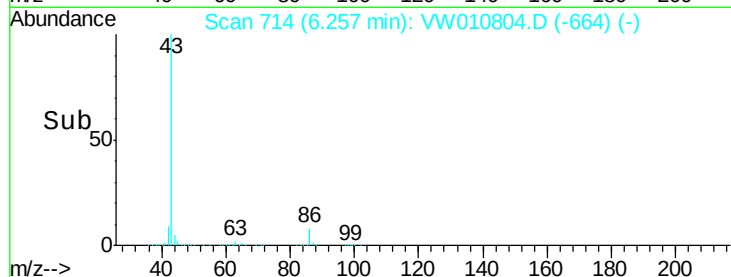
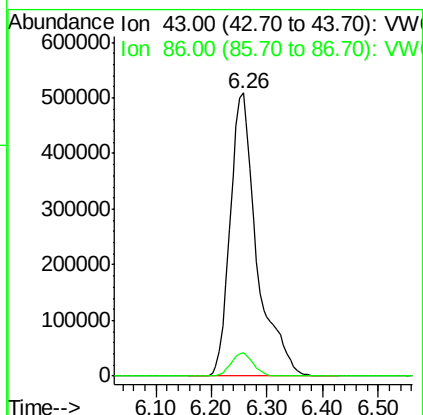
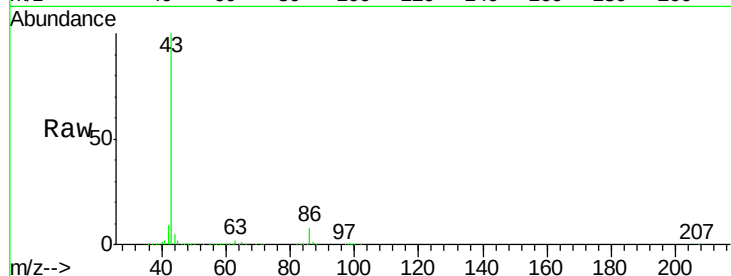
VSTDCCC050EC

Tot Ion: 43 Resp: 1690308

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0



#24

1,1-Dichloroethane

Concen: 57.577 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

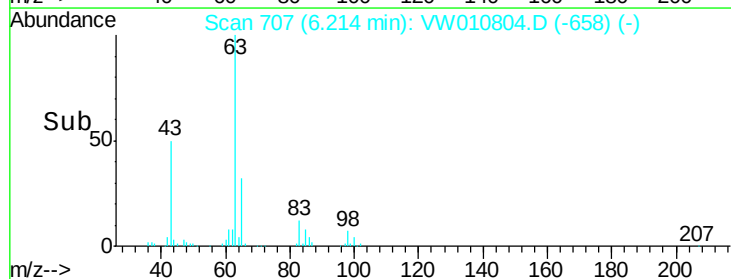
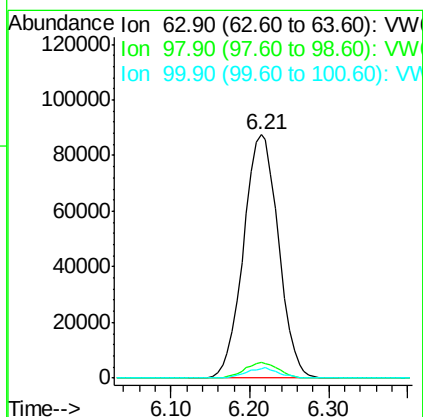
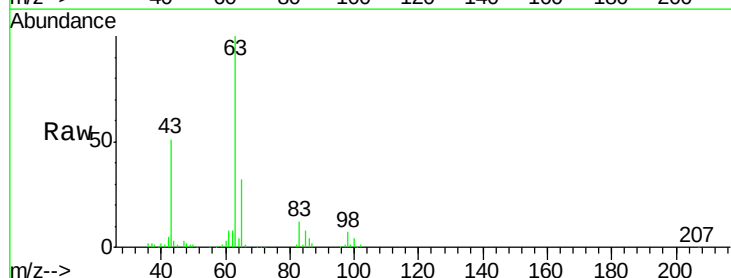
Tgt Ion: 63 Resp: 269400

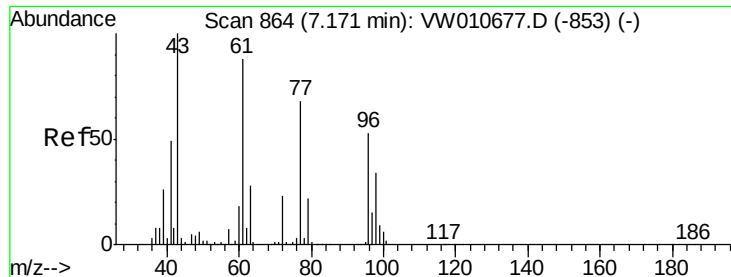
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 305.567 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

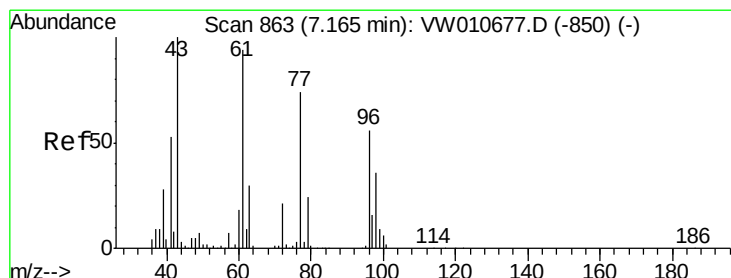
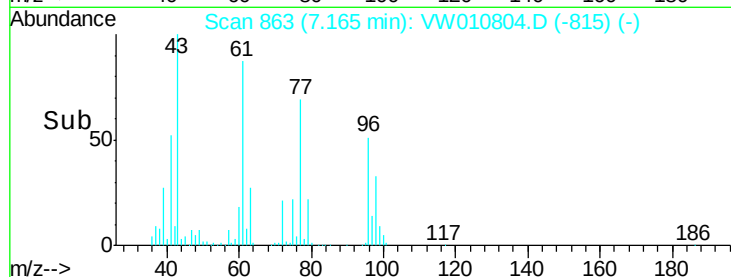
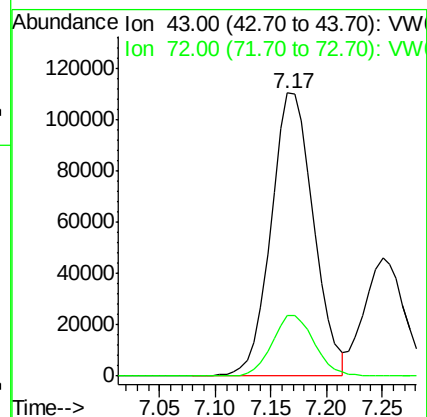
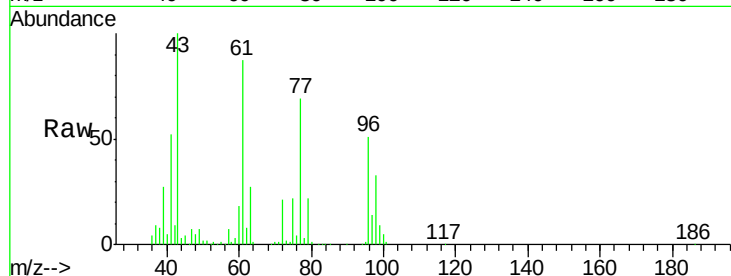
VSTDCCC050EC

Tot Ion: 43 Resp: 292668

Ion Ratio Lower Upper

43 100

72 21.3 18.1 27.1



#26

2,2-Dichloropropane

Concen: 58.109 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010804.D

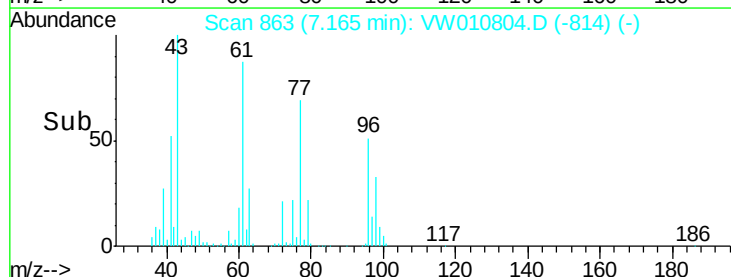
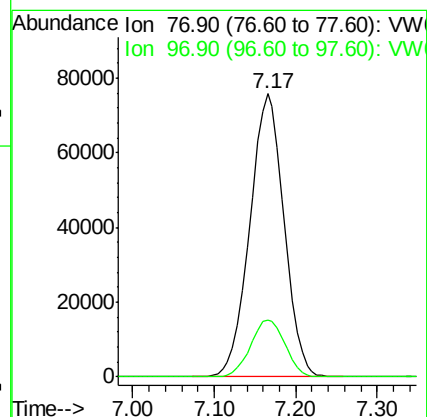
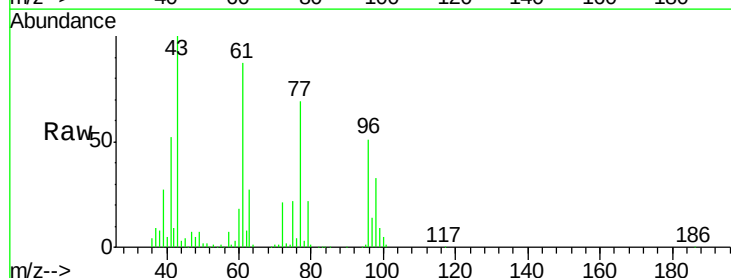
Acq: 13 Jun 2019 18:11

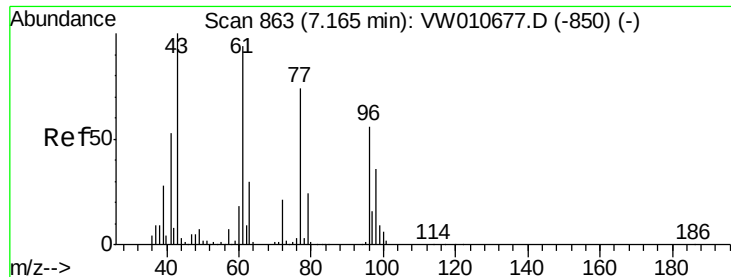
Tgt Ion: 77 Resp: 221245

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6



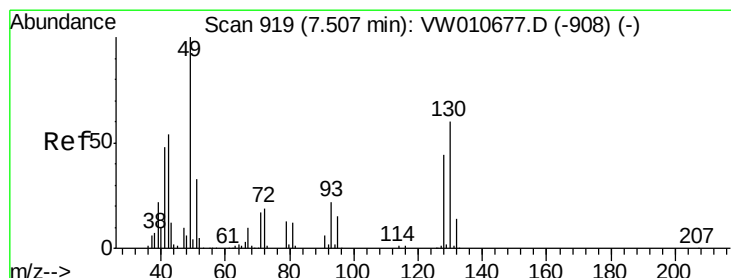
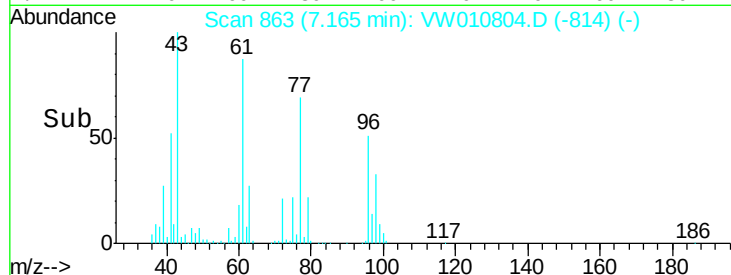
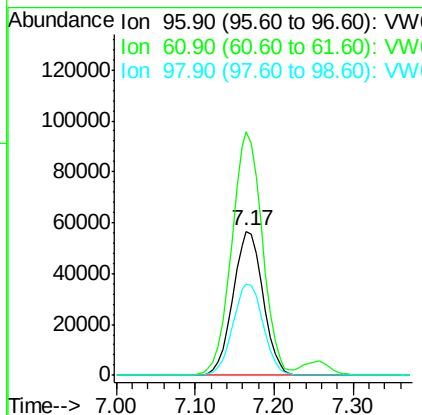
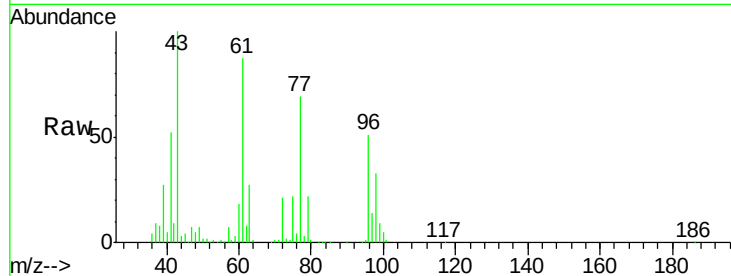


#27

cis-1,2-Dichloroethene
Concen: 56.801 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

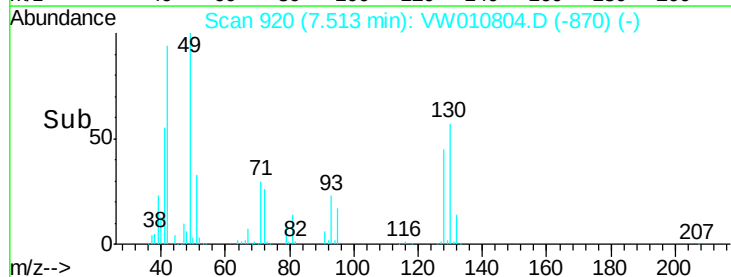
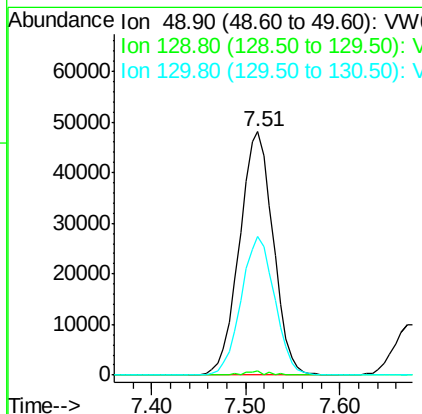
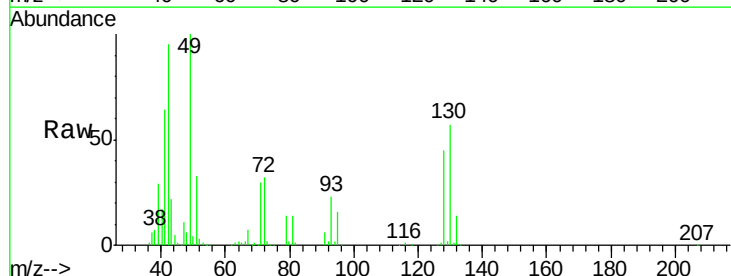
Tot Ion: 96 Resp: 150086
Ion Ratio Lower Upper
96 100
61 172.2 0.0 336.4
98 64.1 0.0 128.0

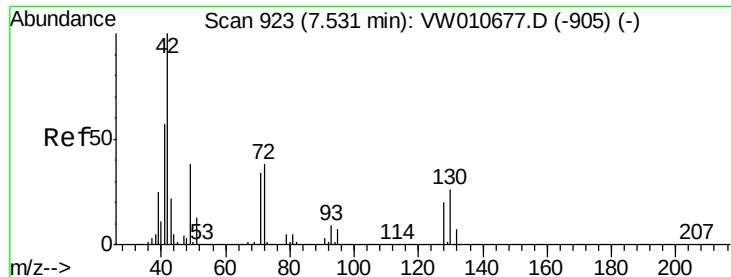


#28

Bromochloromethane
Concen: 57.349 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 49 Resp: 119750
Ion Ratio Lower Upper
49 100
129 1.1 0.0 3.2
130 56.7 48.3 72.5

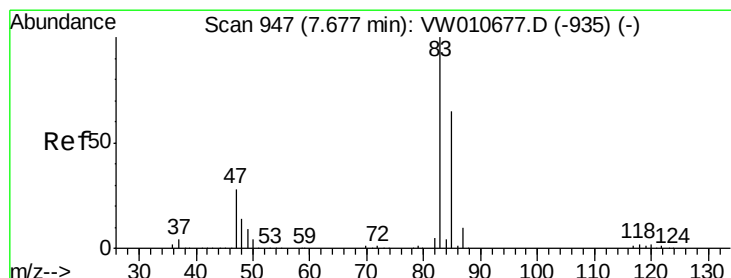
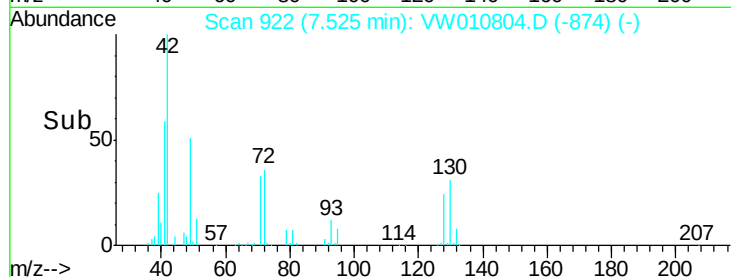
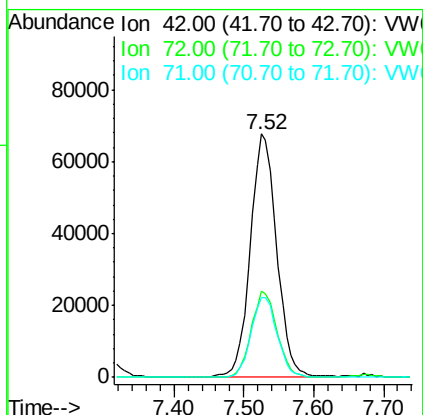
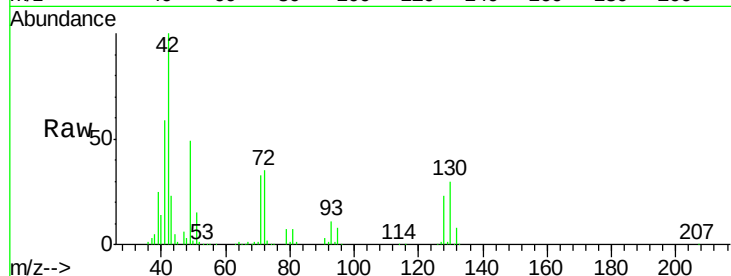




#29
Tetrahydrofuran
Concen: 295.531 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

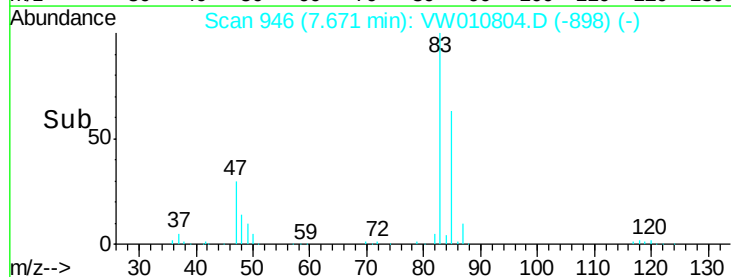
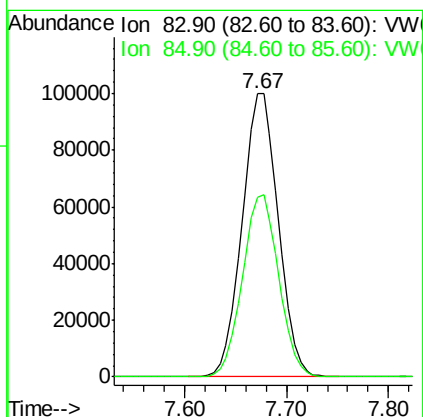
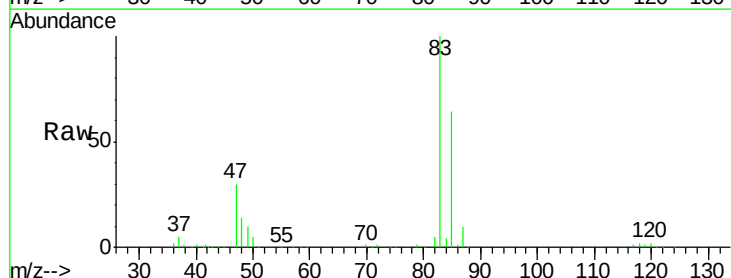
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

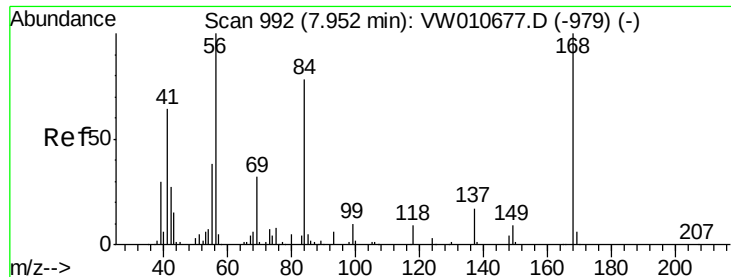
Tot Ion: 42 Resp: 178040
Ion Ratio Lower Upper
42 100
72 34.4 28.7 43.1
71 32.7 26.6 39.8



#30
Chloroform
Concen: 57.479 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 83 Resp: 245992
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.8

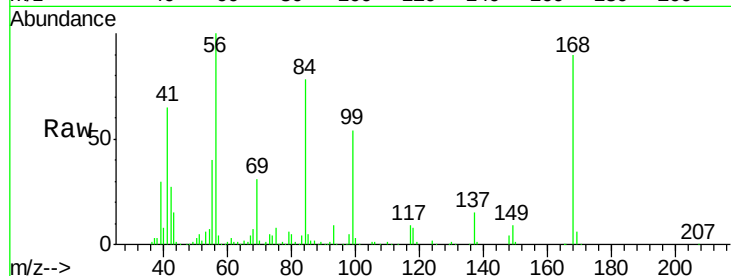




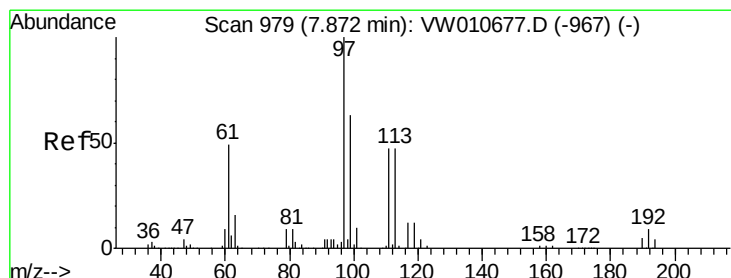
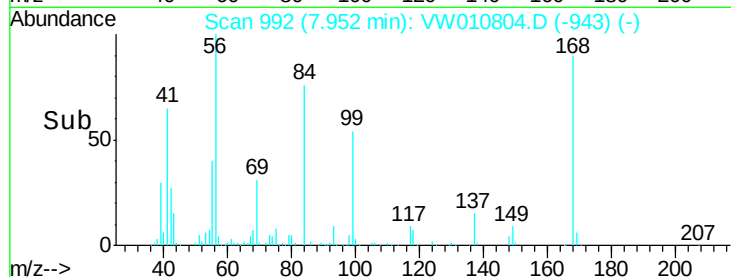
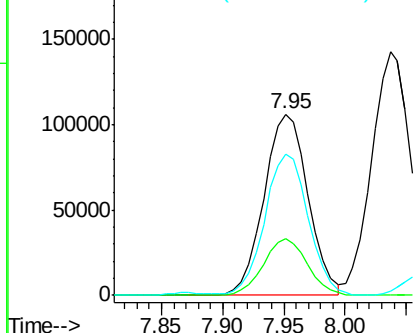
#31
Cyclohexane
Concen: 51.263 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 266631
Ion Ratio Lower Upper
56 100
69 31.5 25.2 37.8
84 76.3 62.2 93.2

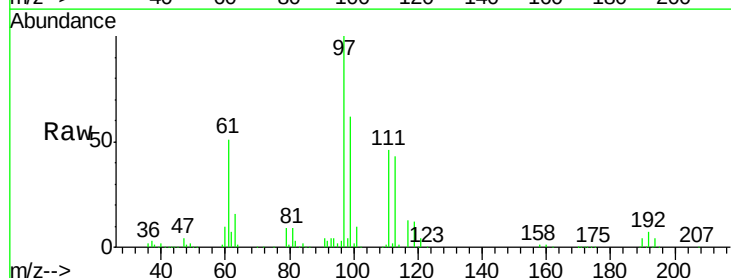


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

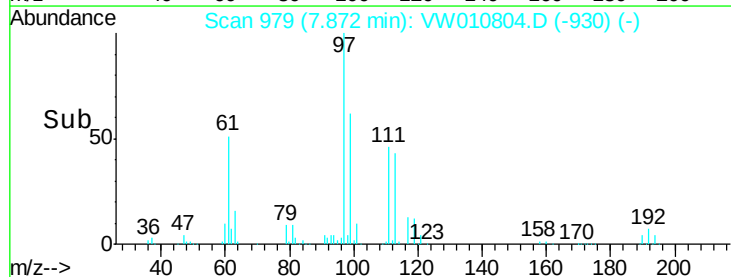
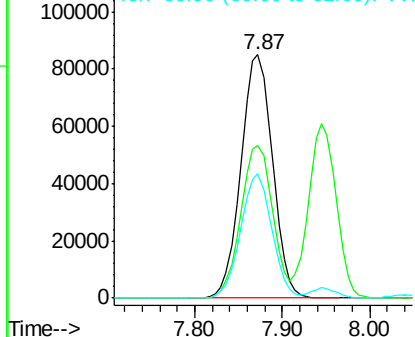


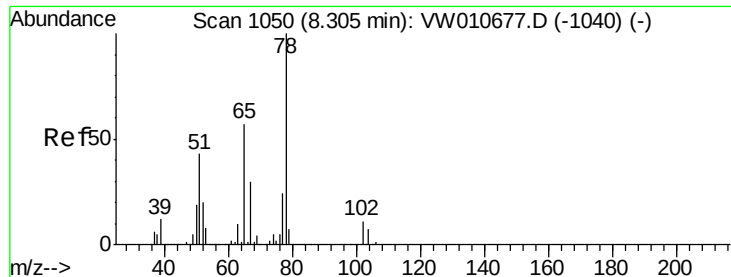
#32
1,1,1-Trichloroethane
Concen: 57.185 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 97 Resp: 213783
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 50.4 40.4 60.6



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: 57.266 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

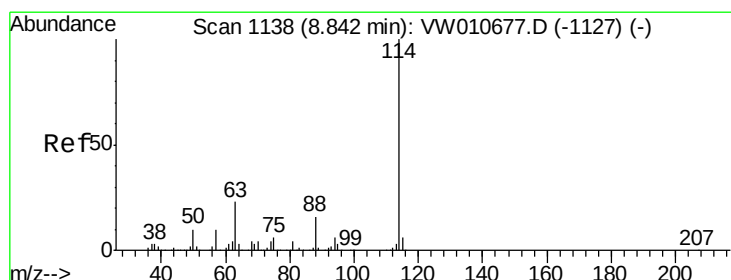
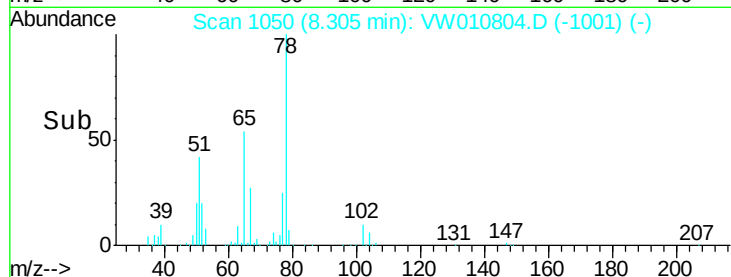
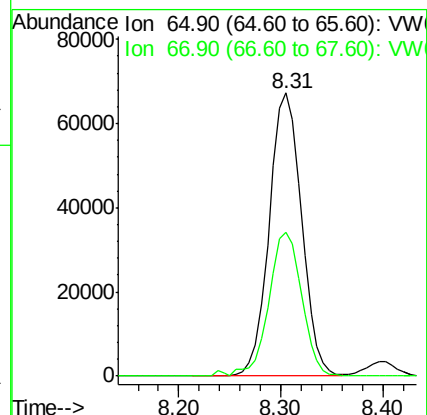
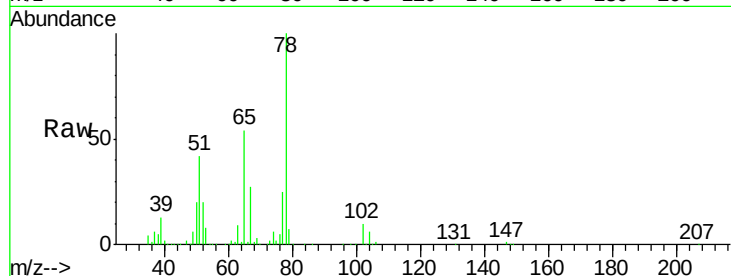
VSTDCCC050EC

Tot Ion: 65 Resp: 147622

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

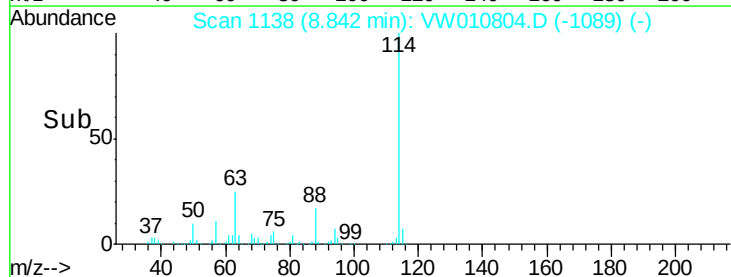
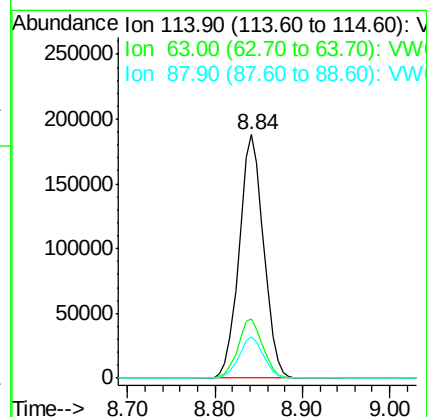
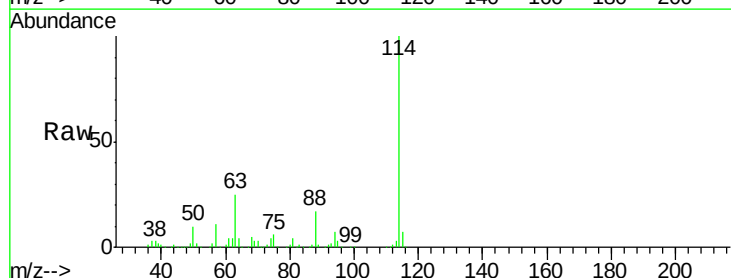
Tgt Ion: 114 Resp: 364730

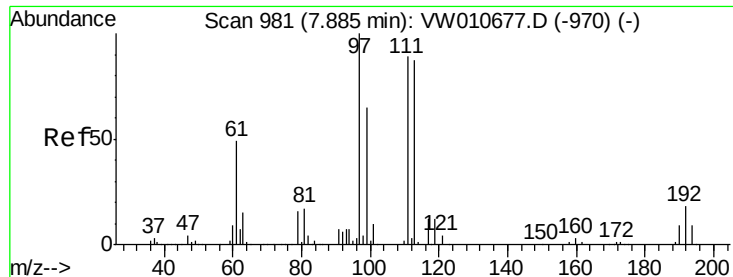
Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.4

88 17.1 0.0 32.2

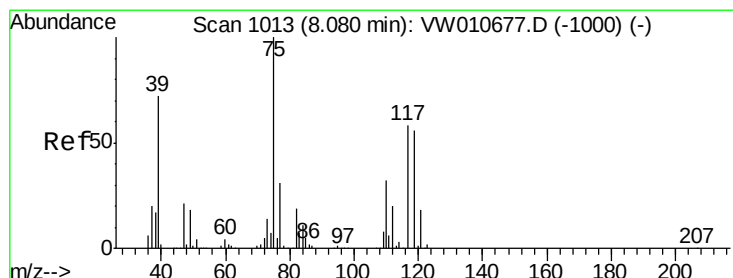
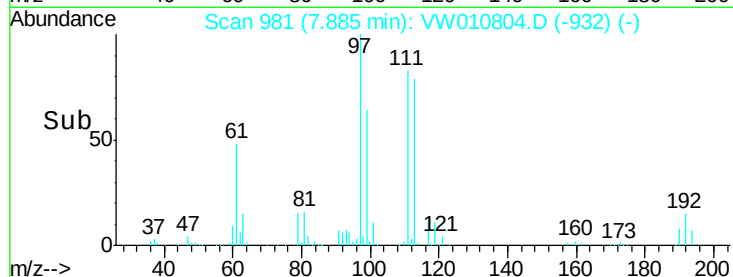
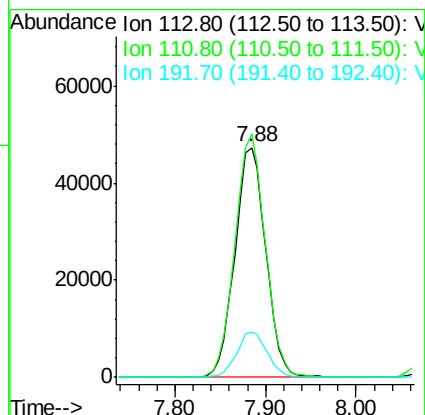
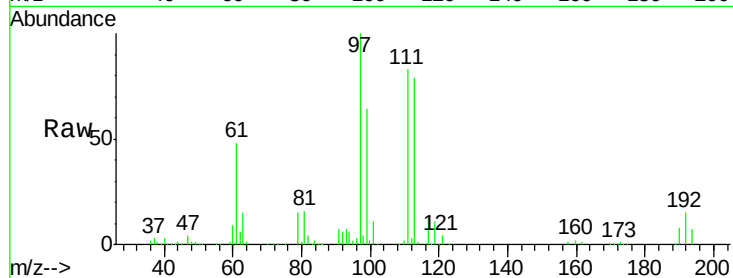




#35
 Dibromofluoromethane
 Concen: 56.542 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

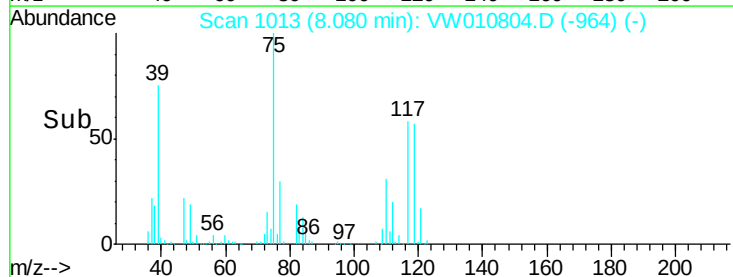
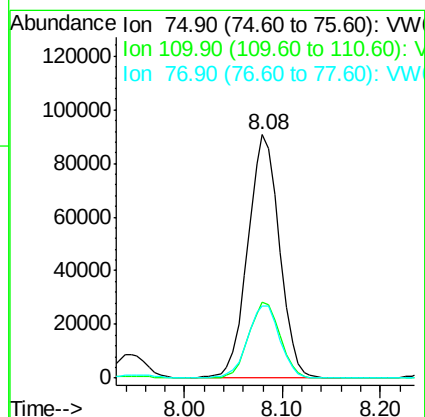
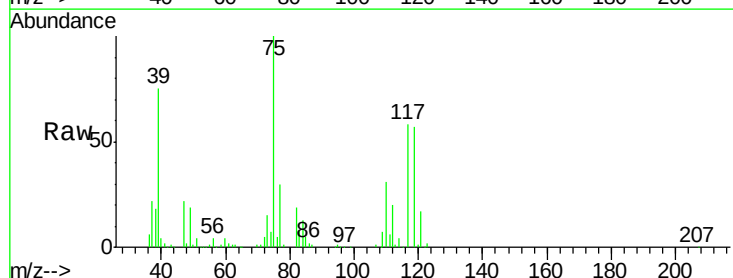
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

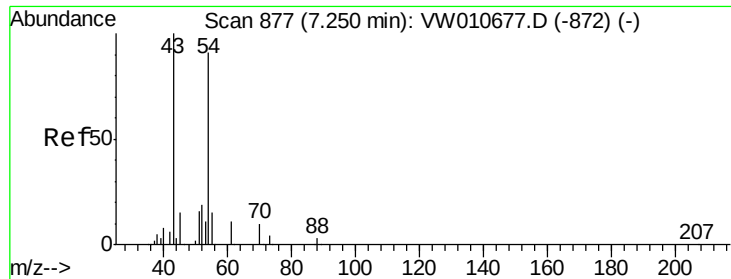
Tot Ion:113 Resp: 111935
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.6 123.8
 192 19.4 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 54.283 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 75 Resp: 202663
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.8 47.3
 77 30.7 24.7 37.1

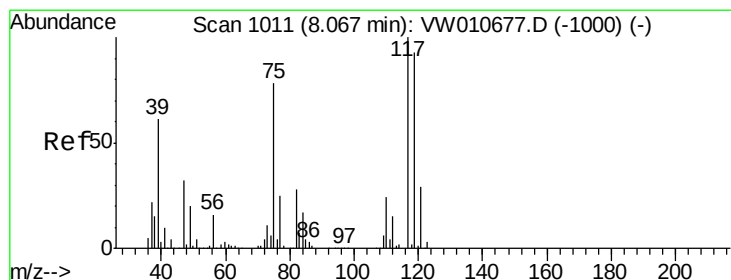
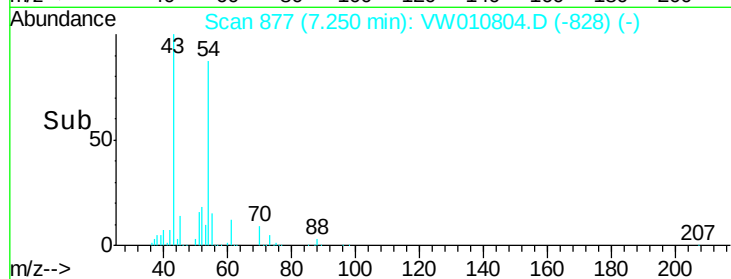
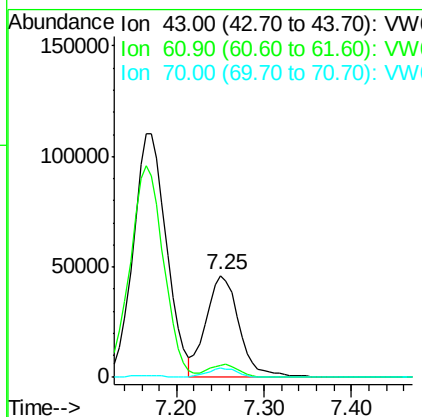
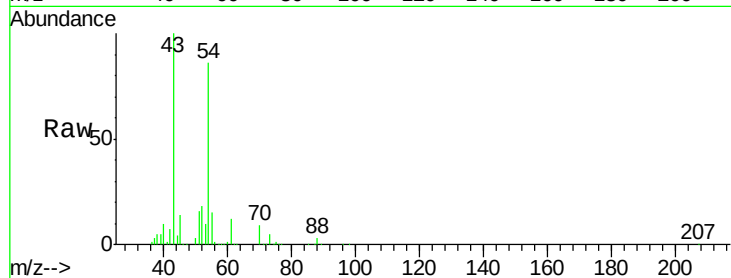




#37
Ethyl Acetate
Concen: 57.755 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

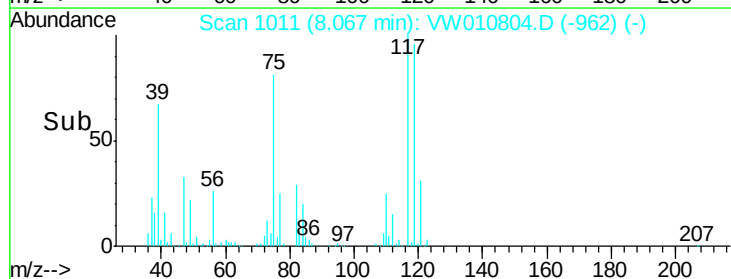
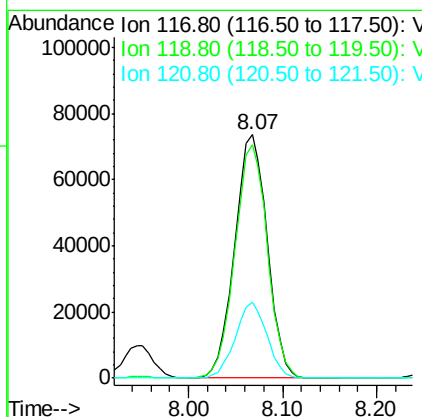
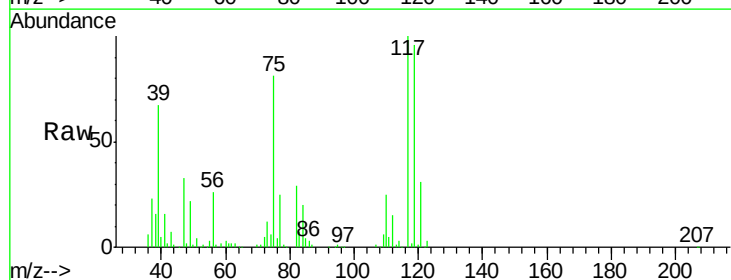
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

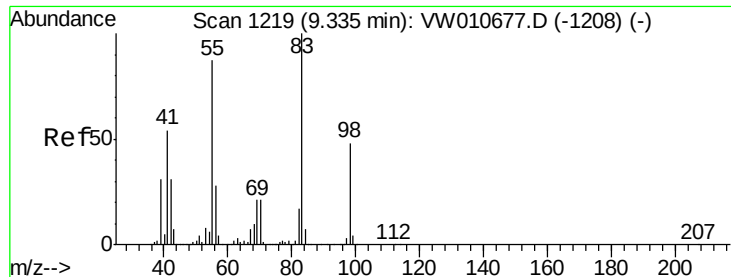
Tot Ion: 43 Resp: 119487
Ion Ratio Lower Upper
43 100
61 11.1 9.7 14.5
70 8.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 55.136 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 117 Resp: 177698
Ion Ratio Lower Upper
117 100
119 95.8 74.2 111.4
121 30.9 22.9 34.3

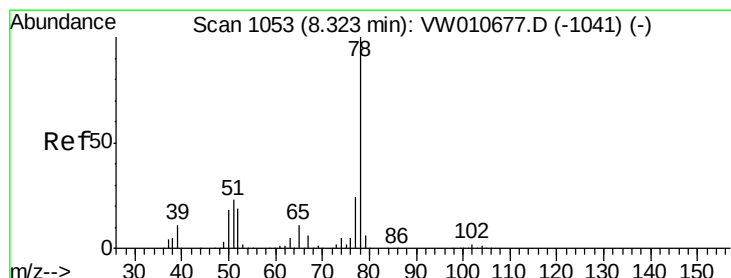
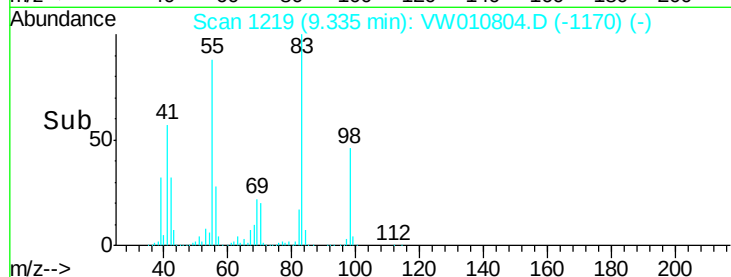
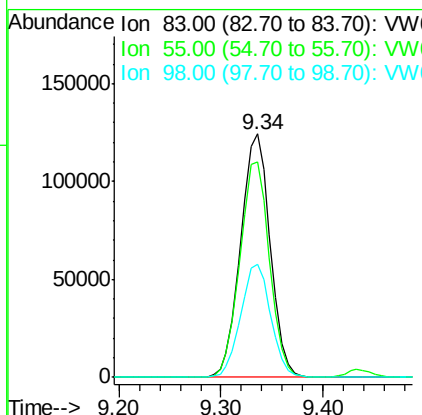
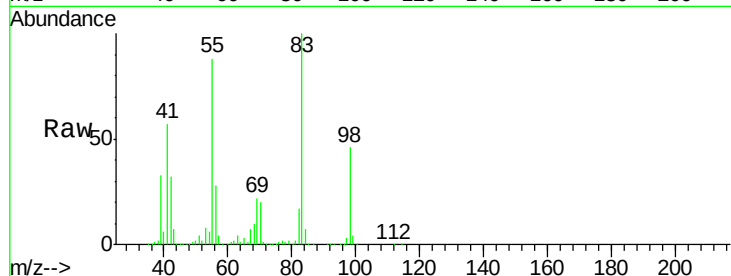




#39
Methylvlcyclohexane
Concen: 52.778 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

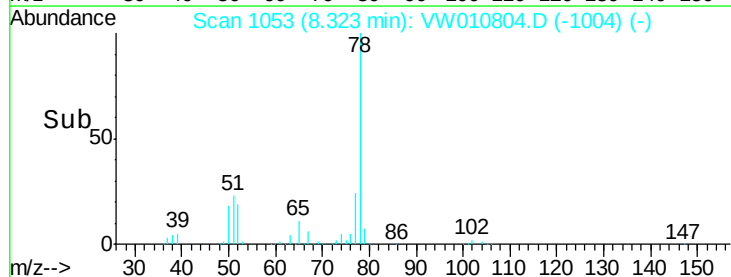
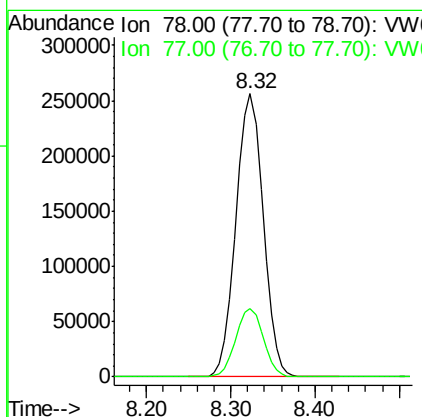
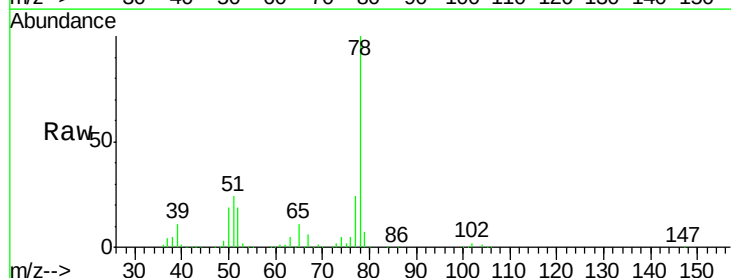
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

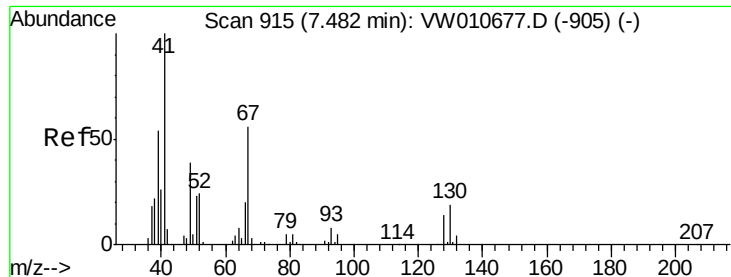
Tot Ion: 83 Resp: 250488
Ion Ratio Lower Upper
83 100
55 88.4 70.0 105.0
98 46.3 38.1 57.1



#40
Benzene
Concen: 55.168 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 78 Resp: 561883
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7

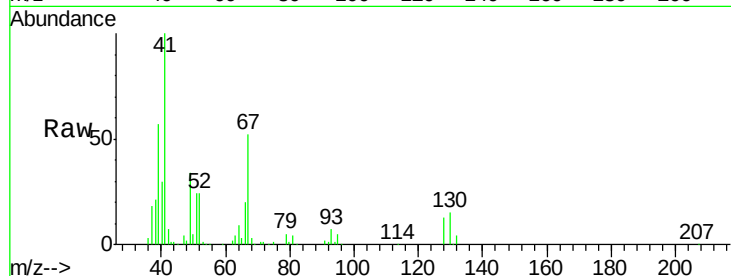




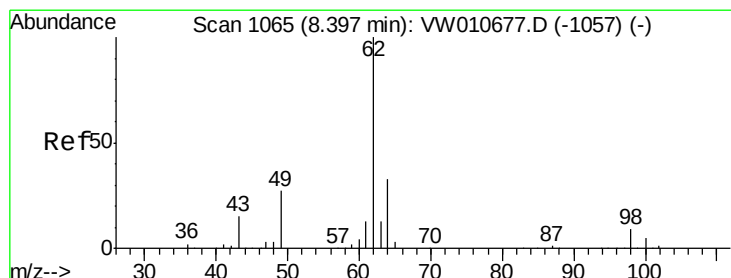
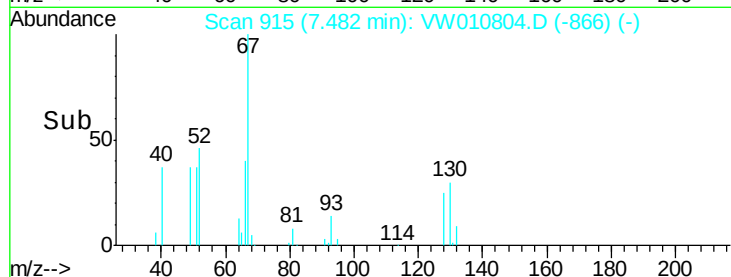
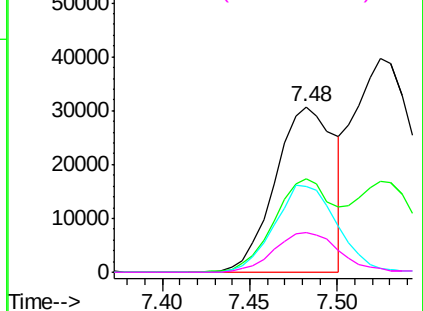
#41
Methacrylonitrile
Concen: 59.281 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	72899
Ion	Ratio	Lower	Upper
41	100		
39	54.8	47.3	70.9
67	55.9	47.2	70.8
52	26.6	21.3	31.9

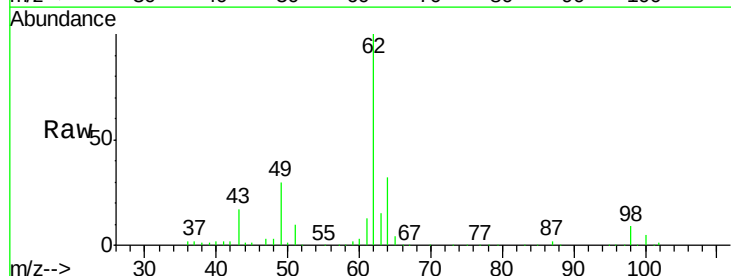


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

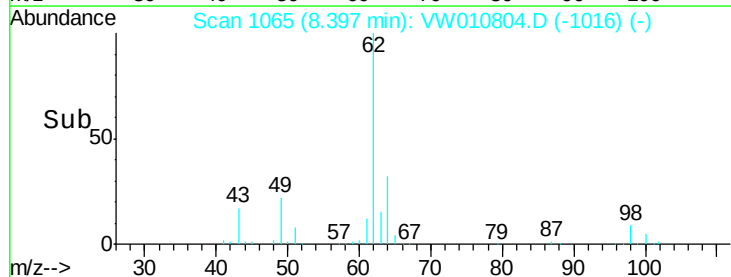
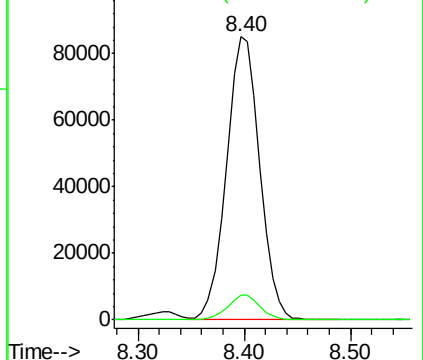


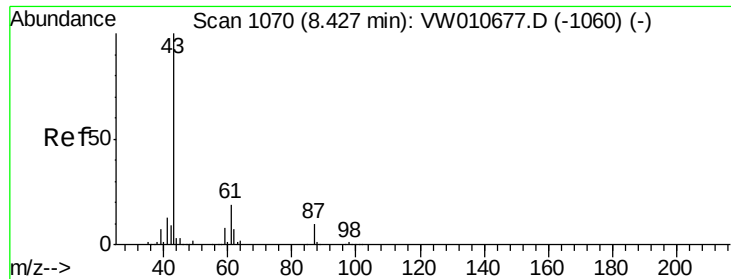
#42
1,2-Dichloroethane
Concen: 57.428 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion:	62	Resp:	185637
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 58.694 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

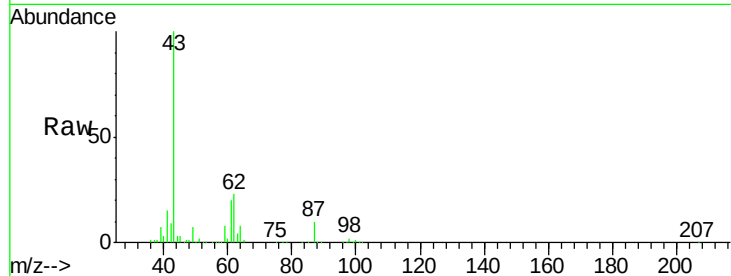
Tot Ion: 43 Resp: 234594

Ion Ratio Lower Upper

43 100

61 26.1 21.2 31.8

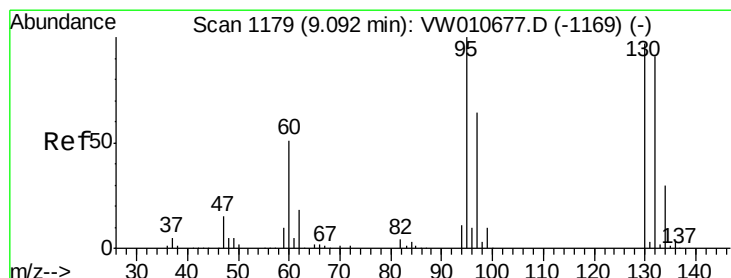
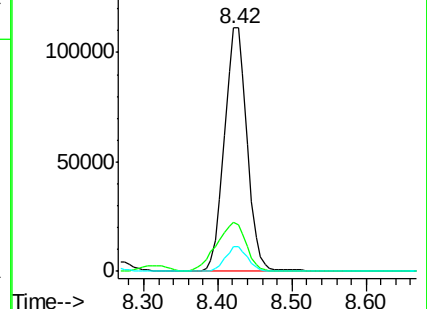
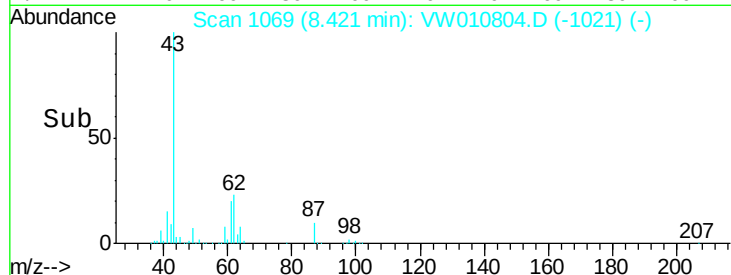
87 10.1 8.3 12.5



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: 54.313 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010804.D

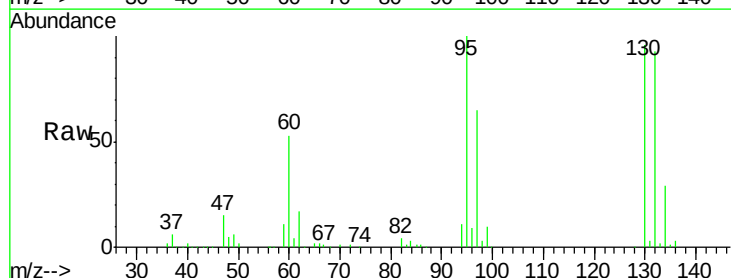
Acq: 13 Jun 2019 18:11

Tgt Ion: 130 Resp: 136456

Ion Ratio Lower Upper

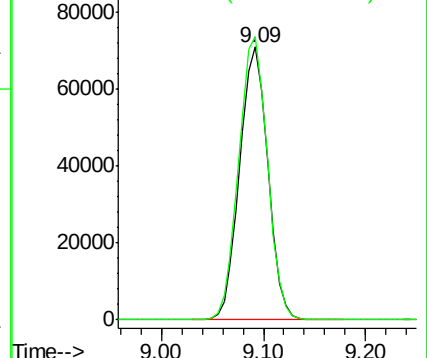
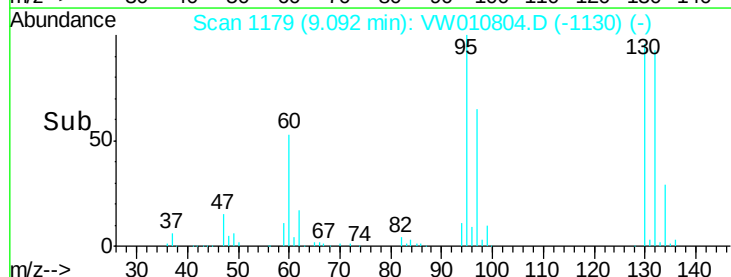
130 100

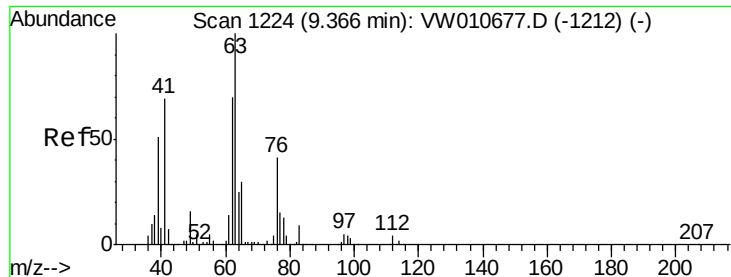
95 103.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

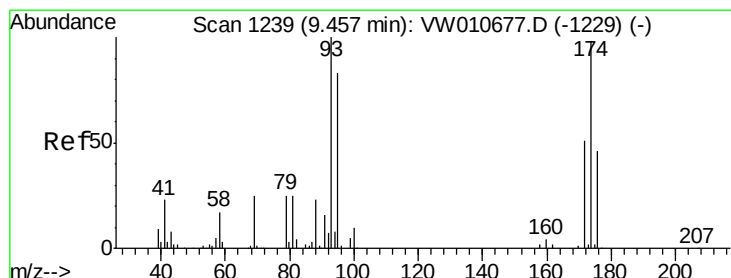
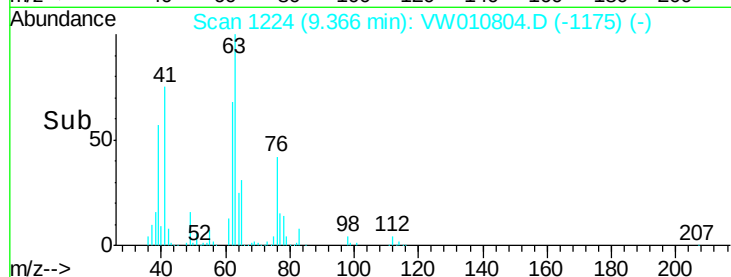
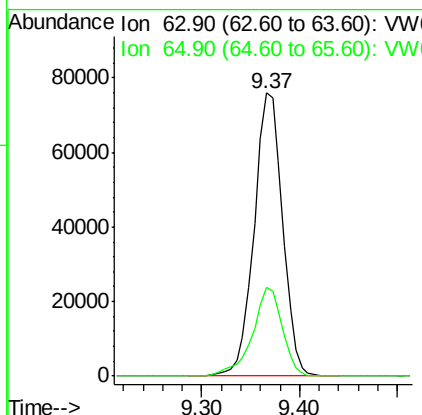
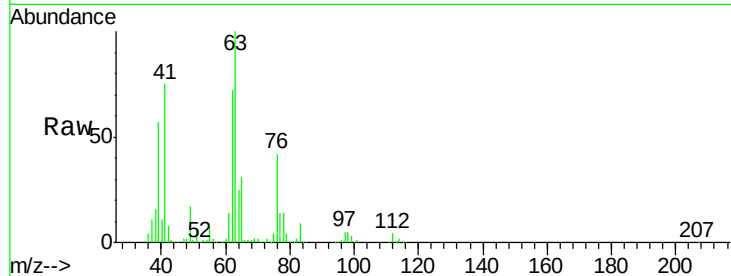




#45
 1,2-Dichloropropane
 Concen: 56.854 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

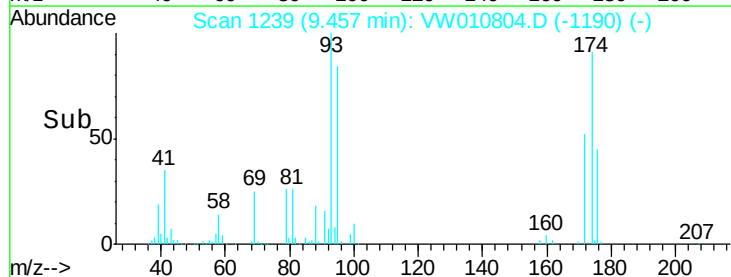
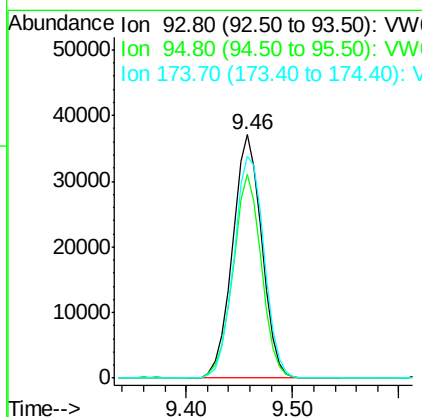
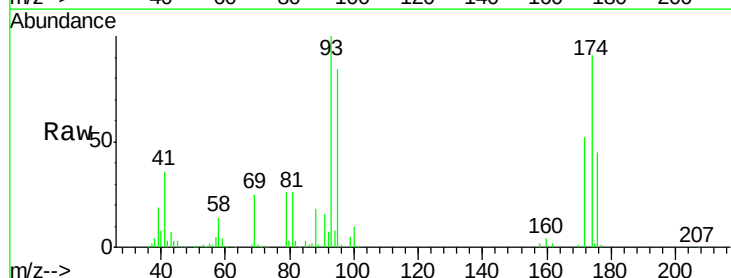
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

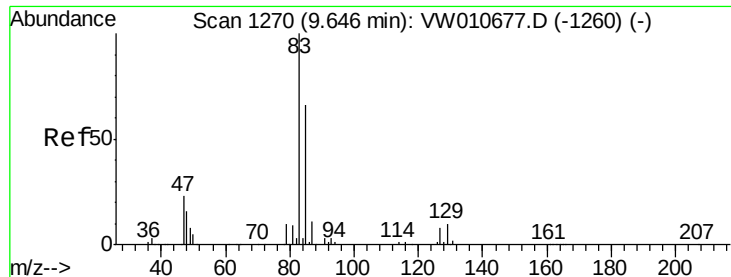
Tot Ion: 63 Resp: 153285
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.8 35.6



#46
 Dibromomethane
 Concen: 57.040 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 93 Resp: 71430
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.8 98.8
 174 94.8 77.4 116.0





#47

Bromodichloromethane

Concen: 58.017 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

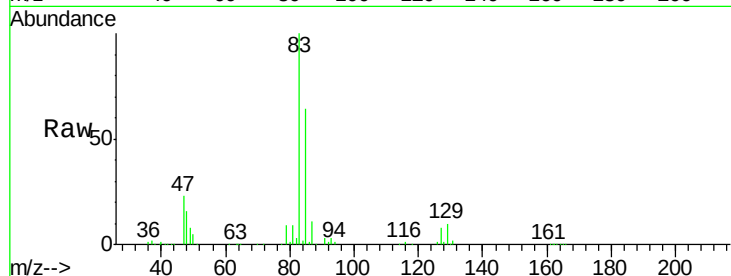
Tot Ion: 83 Resp: 188329

Ion Ratio Lower Upper

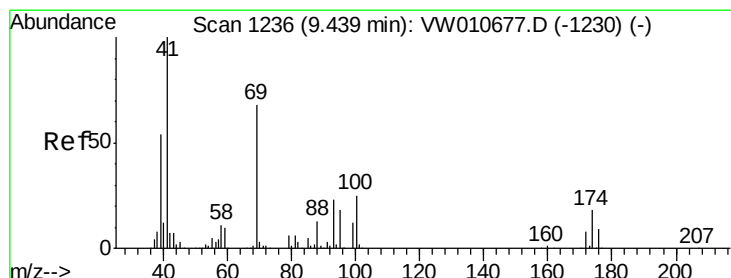
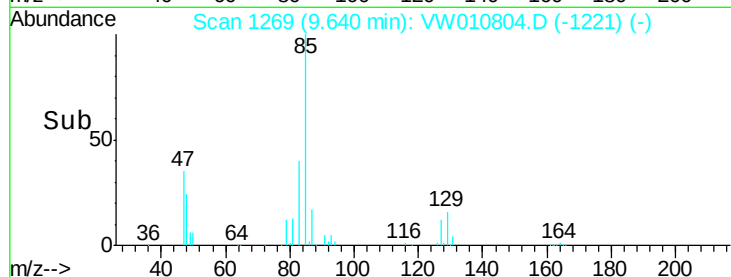
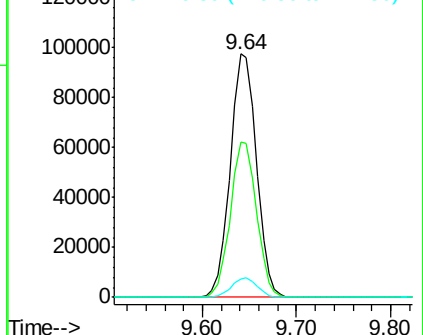
83 100

85 63.7 53.0 79.4

127 7.6 6.4 9.6



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: 58.903 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

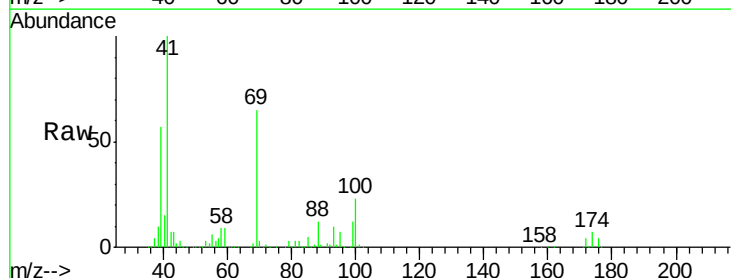
Tgt Ion: 41 Resp: 113510

Ion Ratio Lower Upper

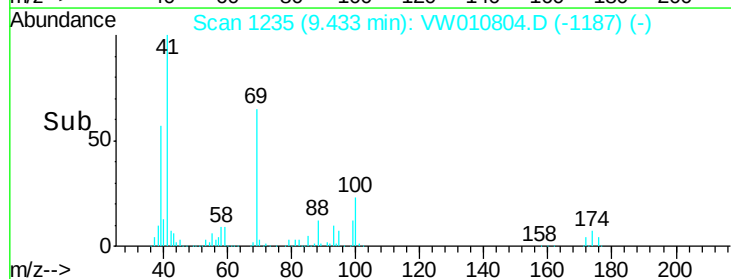
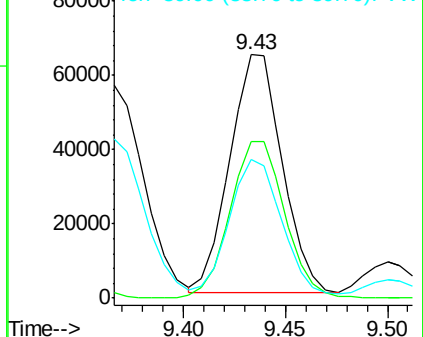
41 100

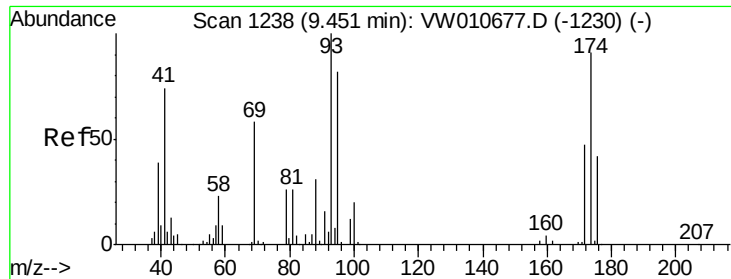
69 69.4 56.6 85.0

39 59.5 44.4 66.6



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

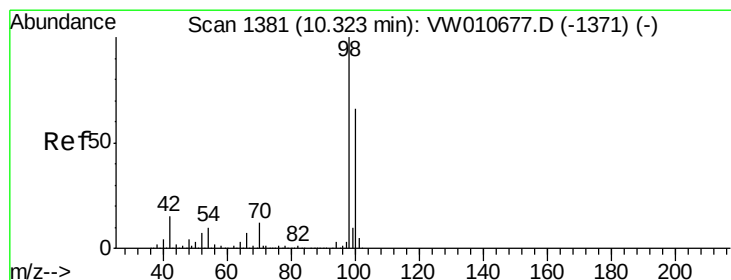
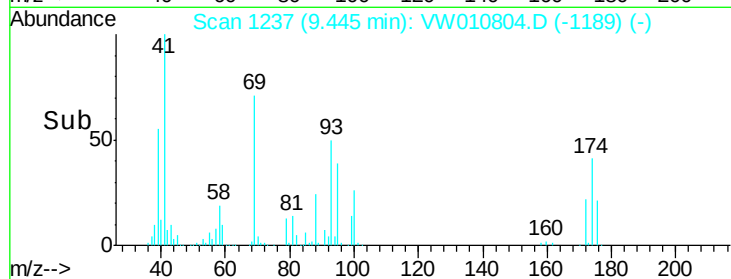
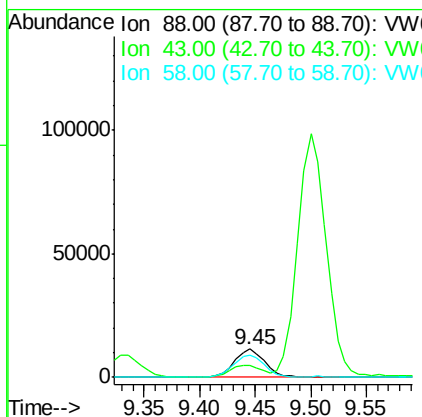
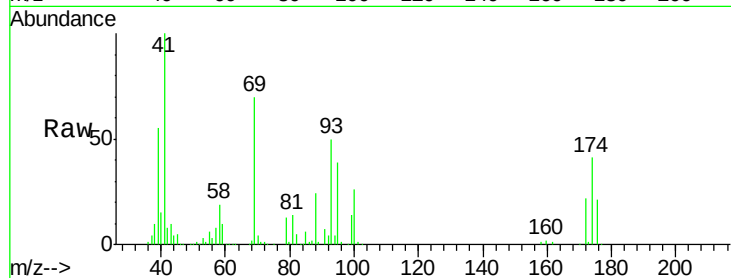




#49
 1,4-Dioxane
 Concen: 1117.900 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

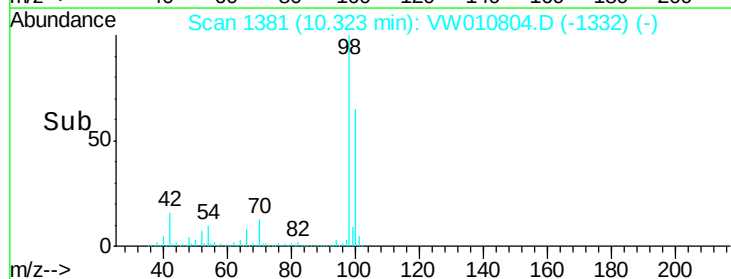
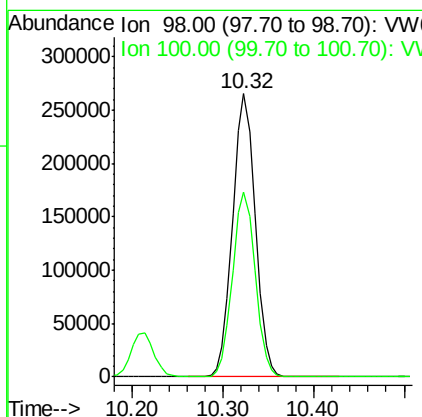
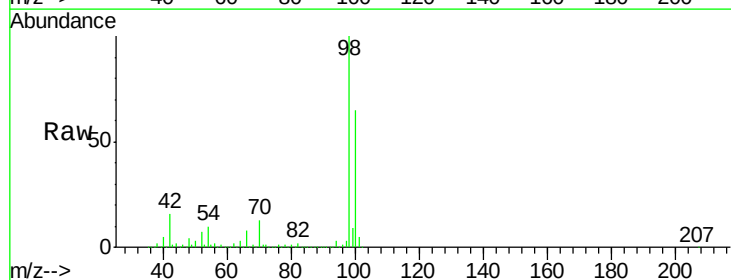
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

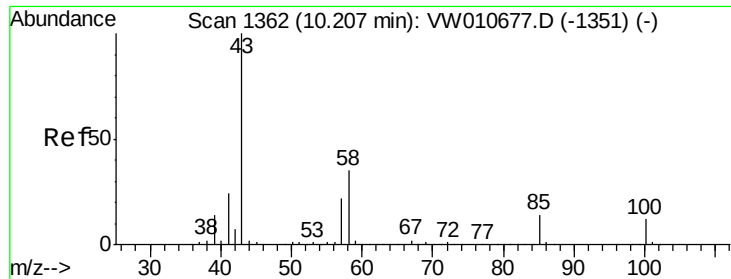
Tot Ion: 88 Resp: 21887
 Ion Ratio Lower Upper
 88 100
 43 43.4 34.2 51.4
 58 81.0 69.0 103.4



#50
 Toluene-d8
 Concen: 53.286 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 98 Resp: 462585
 Ion Ratio Lower Upper
 98 100
 100 65.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 294.509 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

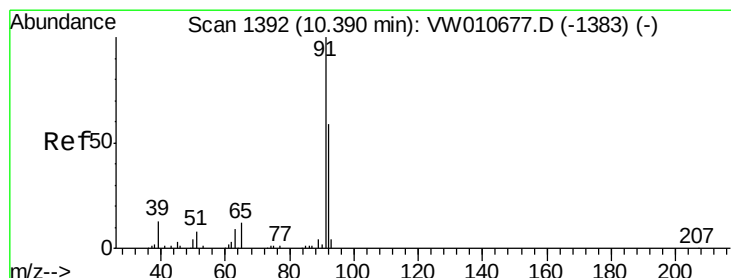
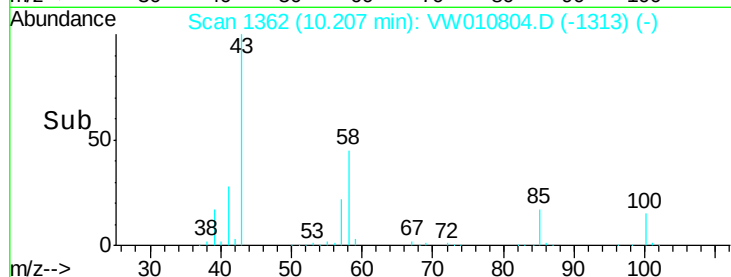
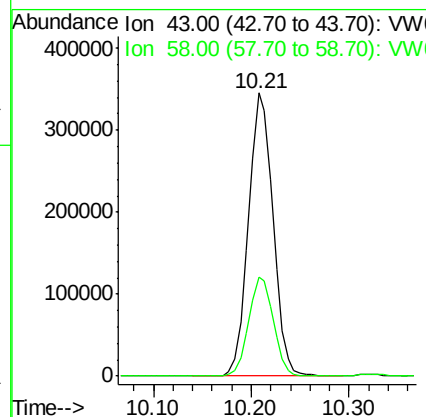
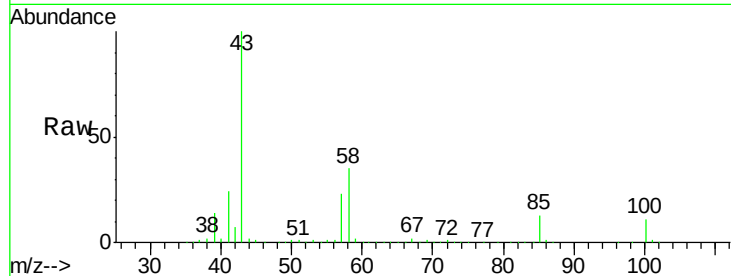
VSTDCCC050EC

Tot Ion: 43 Resp: 601356

Ion Ratio Lower Upper

43 100

58 35.3 28.4 42.6



#52

Toluene

Concen: 54.983 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010804.D

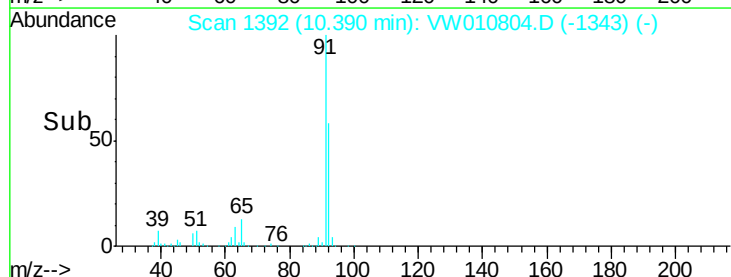
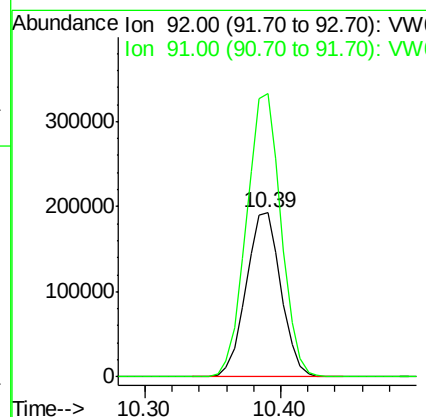
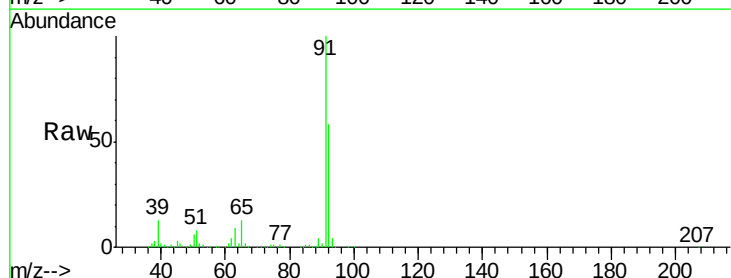
Acq: 13 Jun 2019 18:11

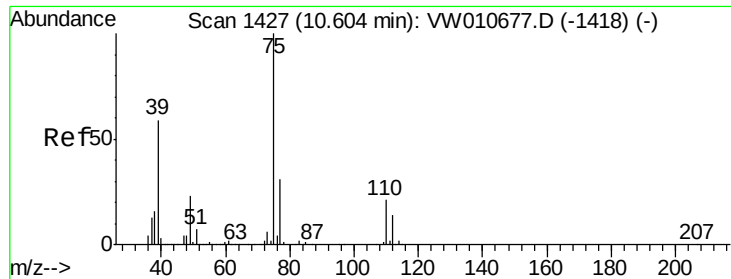
Tgt Ion: 92 Resp: 344554

Ion Ratio Lower Upper

92 100

91 171.7 134.9 202.3

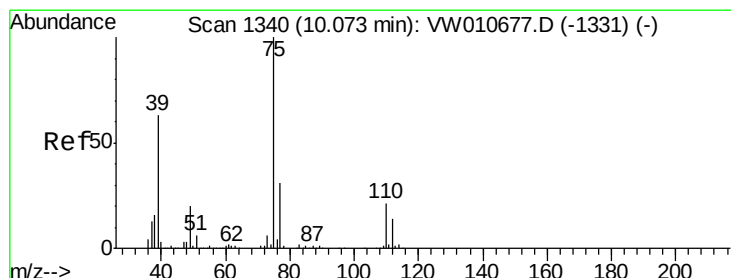
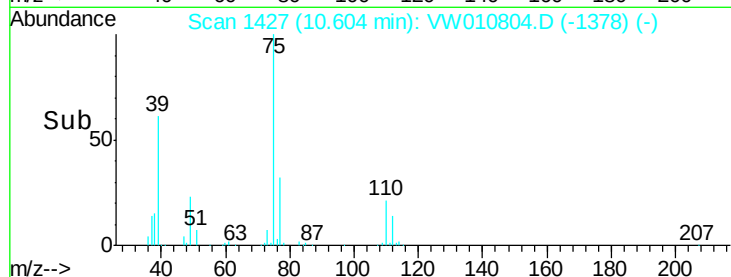
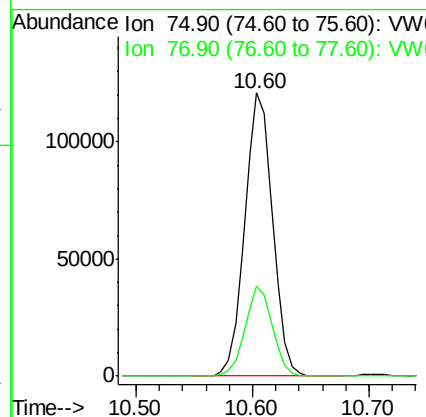
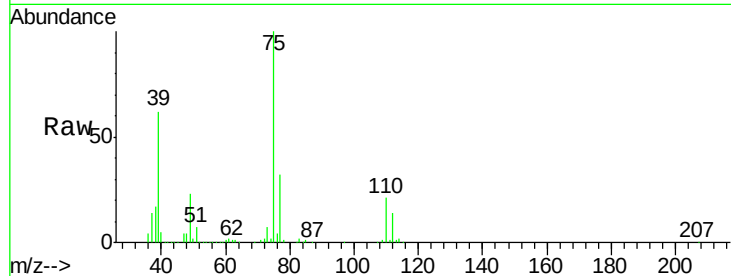




#53
t-1,3-Dichloropropene
Concen: 58.556 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

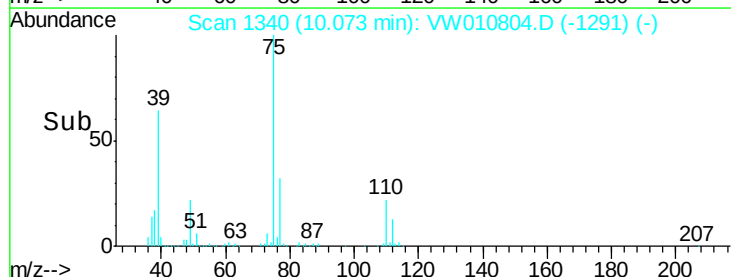
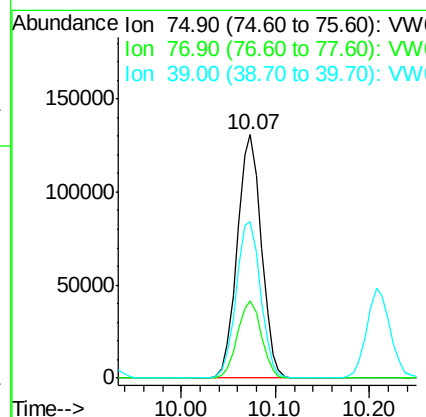
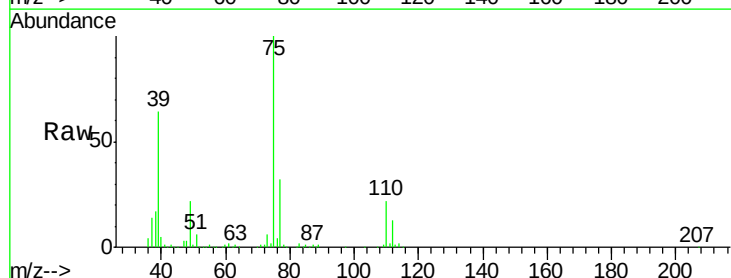
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

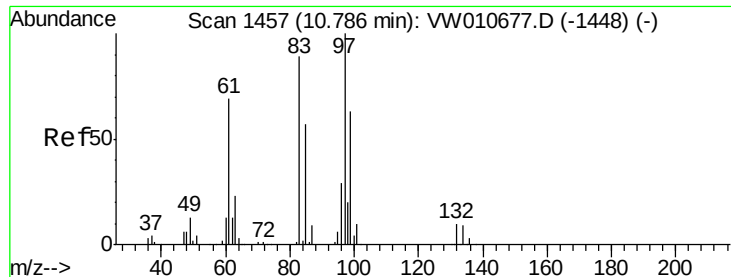
Tot Ion: 75 Resp: 201331
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 57.337 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 75 Resp: 231974
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 64.2 50.1 75.1



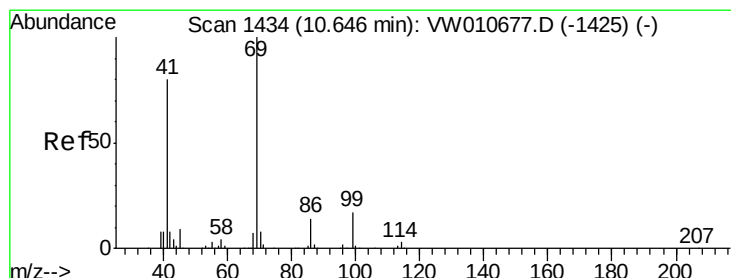
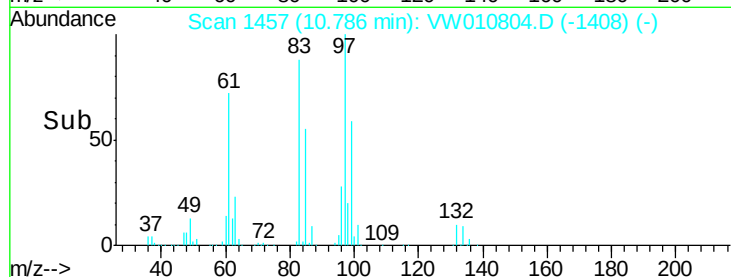
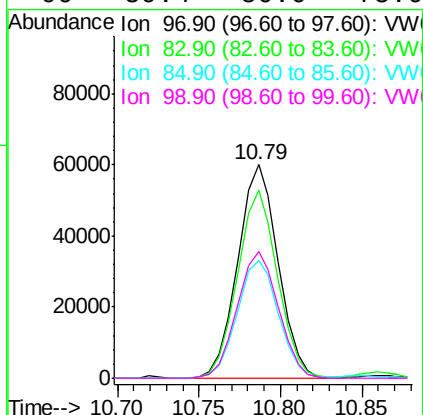
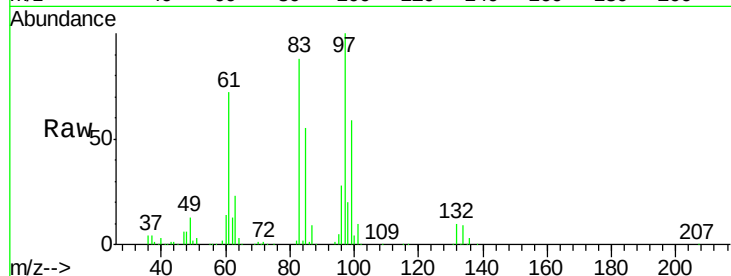


#55
 1,1,2-Trichloroethane
 Concen: 57.034 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 102890

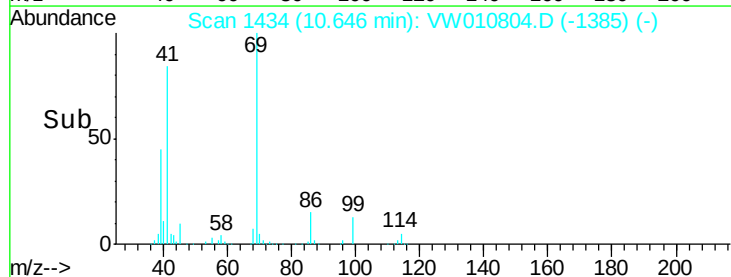
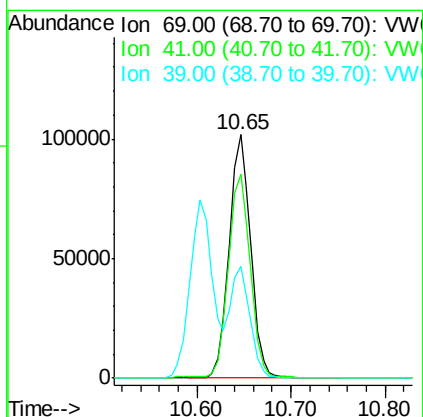
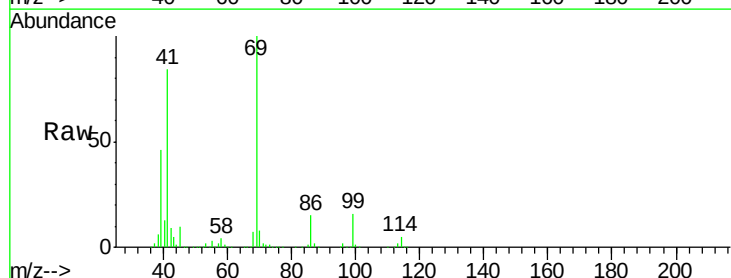
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.1	106.7
85	55.4	45.2	67.8
99	59.4	50.0	75.0

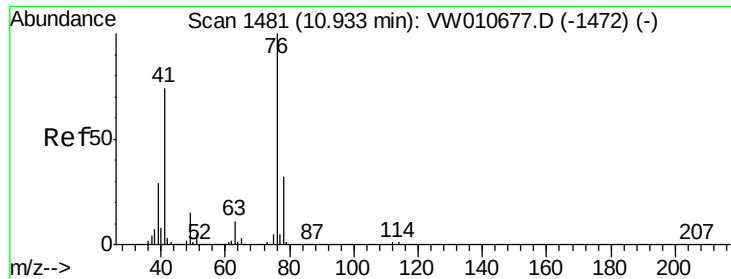


#56
 Ethyl methacrylate
 Concen: 58.072 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 69 Resp: 161202

Ion	Ratio	Lower	Upper
69	100		
41	84.8	64.8	97.2
39	42.0	32.2	48.2

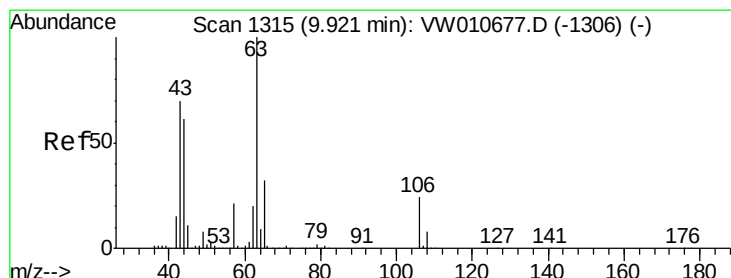
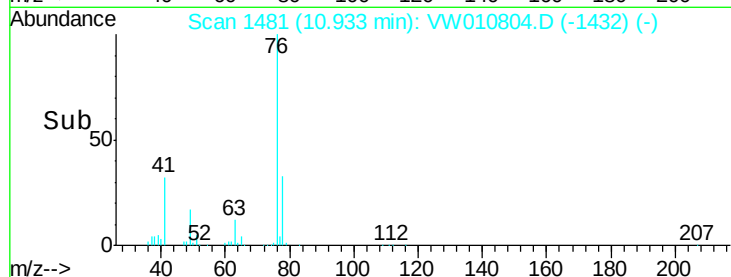
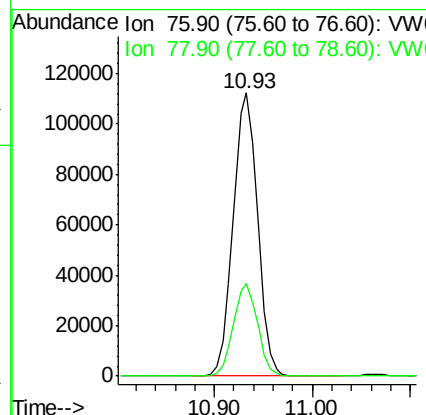
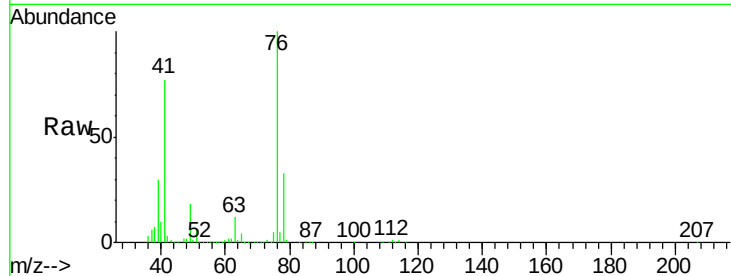




#57
 1,3-Dichloropropane
 Concen: 57.104 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

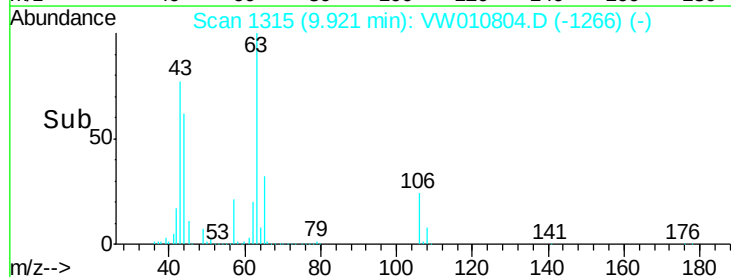
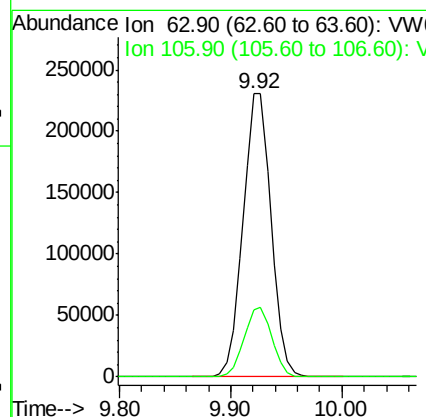
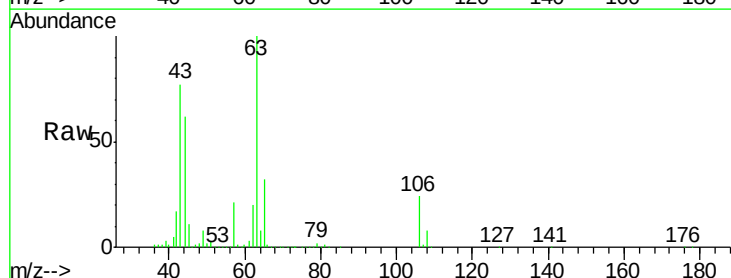
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

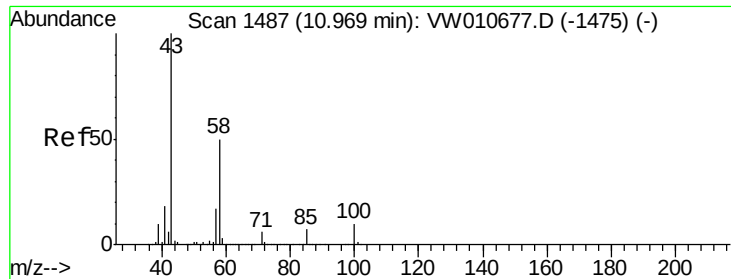
Tot Ion: 76 Resp: 194140
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.311 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion: 63 Resp: 401746
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.1 30.1

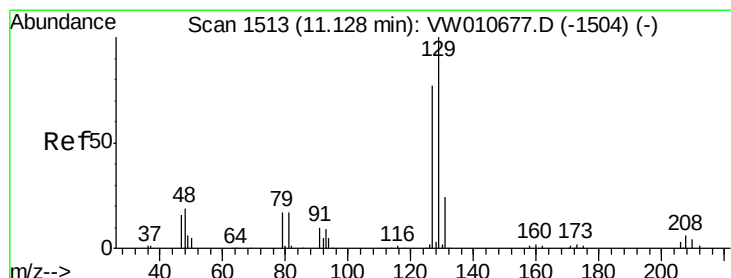
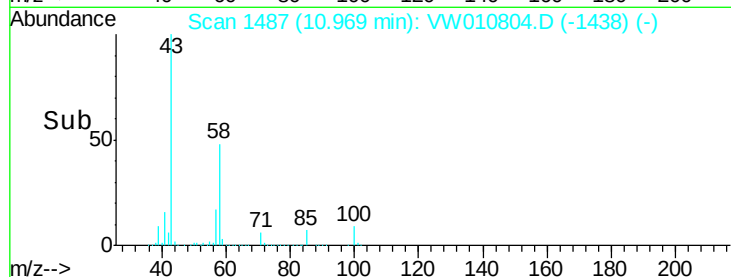
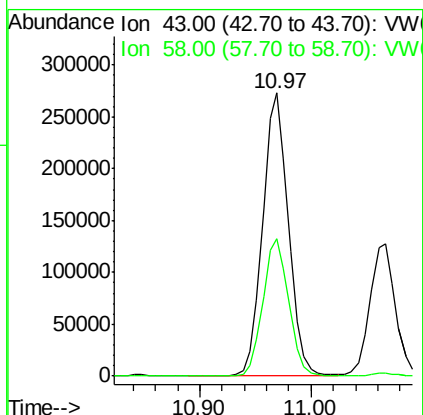
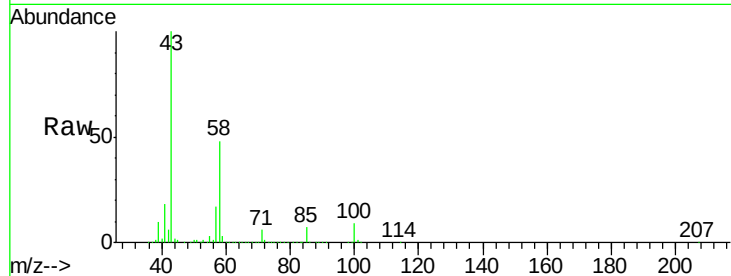




#59
2-Hexanone
Concen: 298.078 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

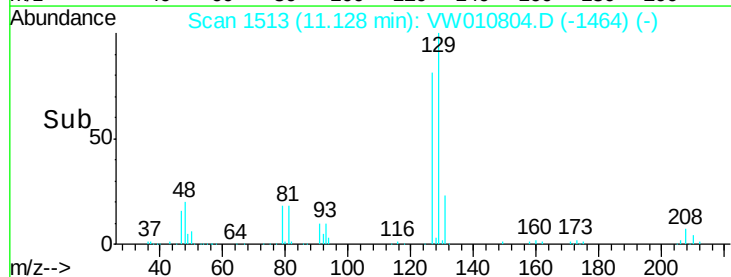
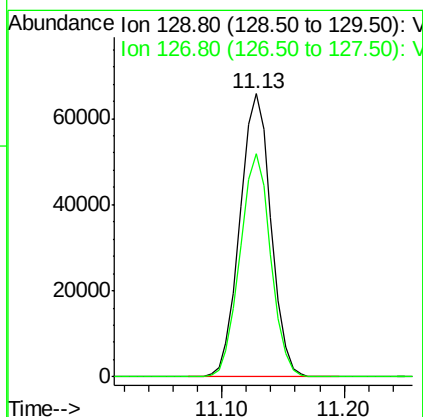
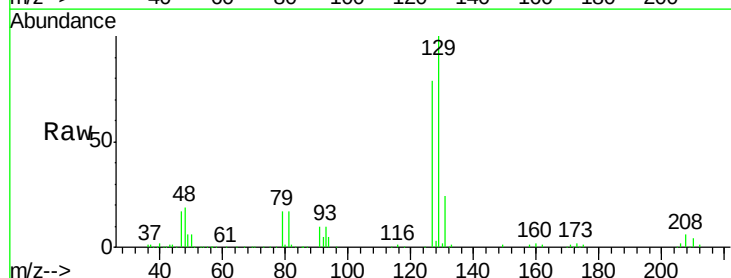
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

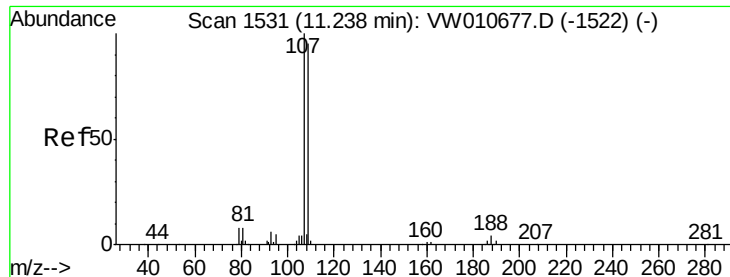
Tot Ion: 43 Resp: 439881
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 57.789 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 129 Resp: 115567
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 56.613 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

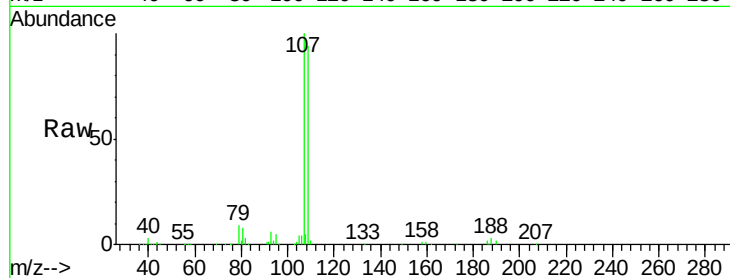
VSTDCCC050EC

Tot Ion: 107 Resp: 96765

Ion Ratio Lower Upper

107 100

109 93.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

30000

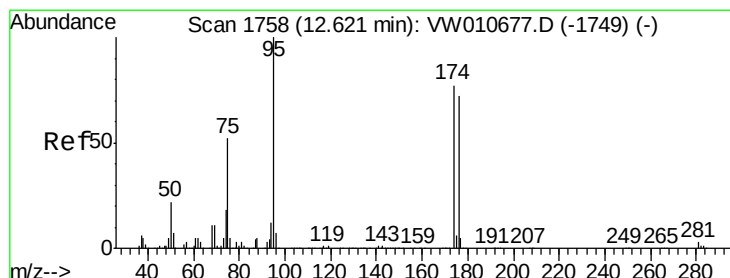
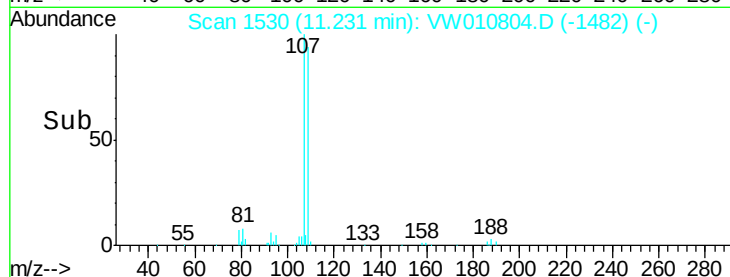
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 54.692 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

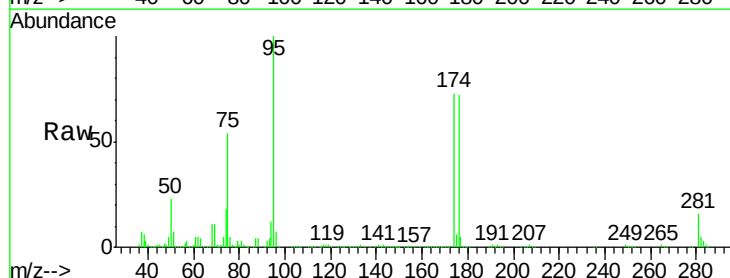
Tgt Ion: 95 Resp: 172770

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

176 72.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

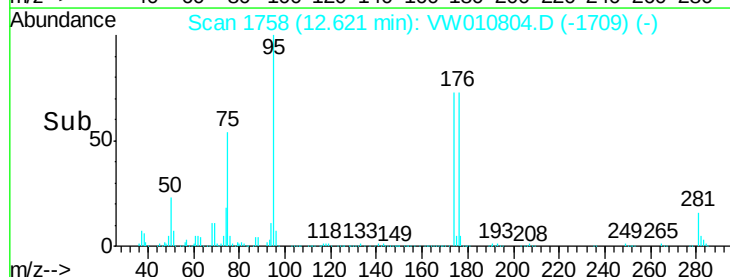
100000

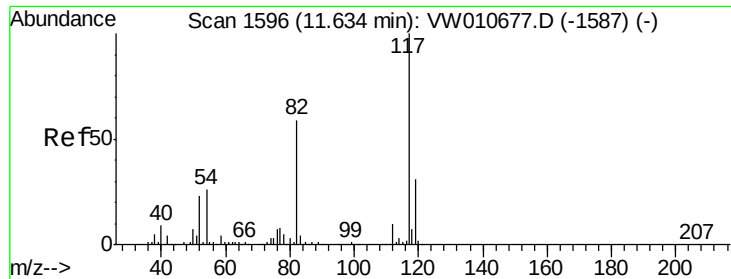
50000

0

Time-->

12.60 12.70

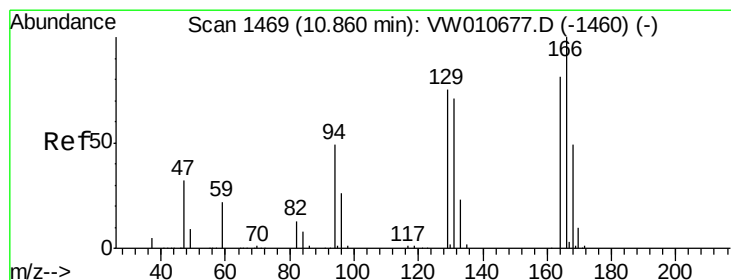
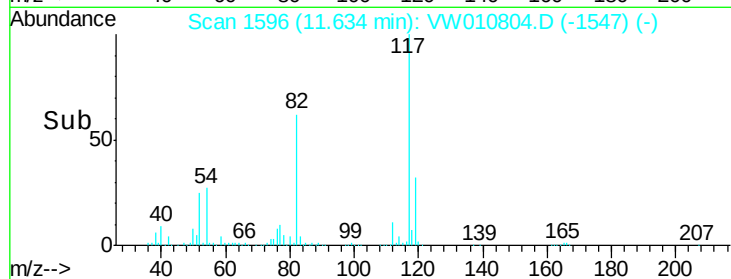
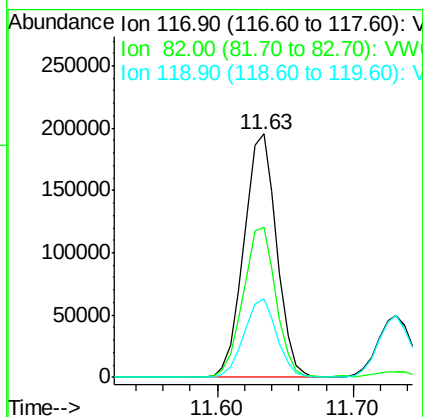
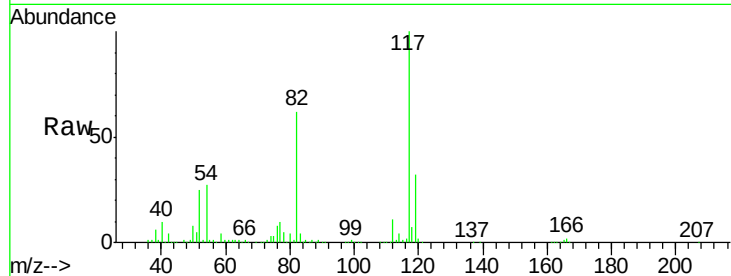




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

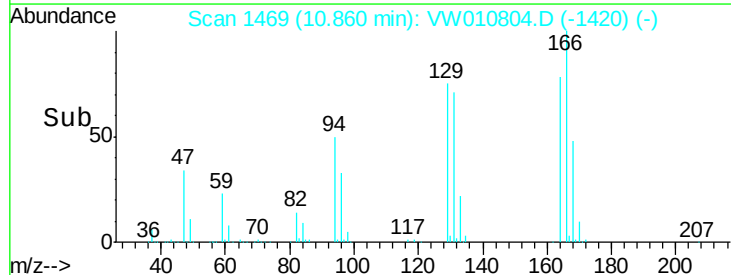
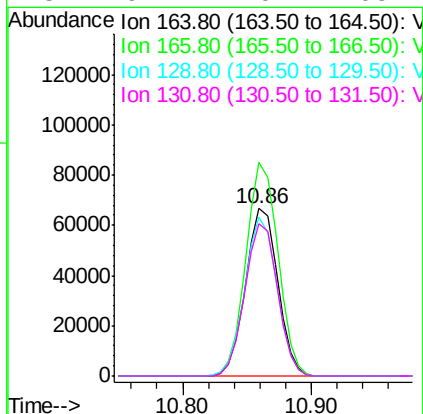
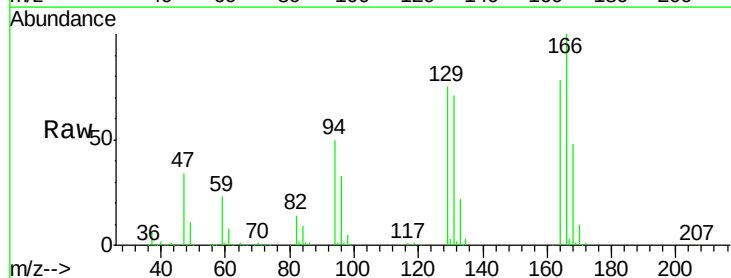
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

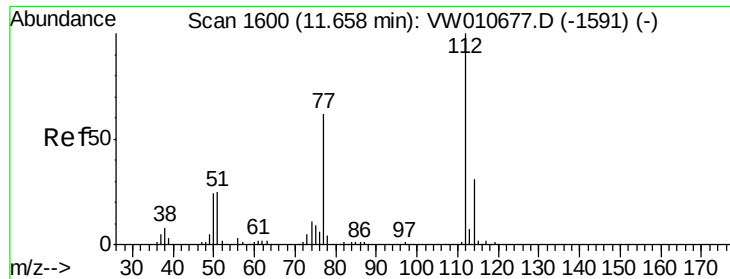
Tot Ion:117 Resp: 328961
Ion Ratio Lower Upper
117 100
82 61.5 47.0 70.4
119 32.2 25.1 37.7



#64
Tetrachloroethene
Concen: 52.680 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion:164 Resp: 115061
Ion Ratio Lower Upper
164 100
166 127.7 99.2 148.8
129 95.2 74.6 112.0
131 91.2 70.2 105.4

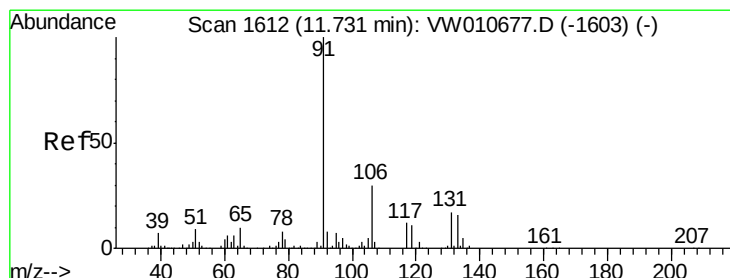
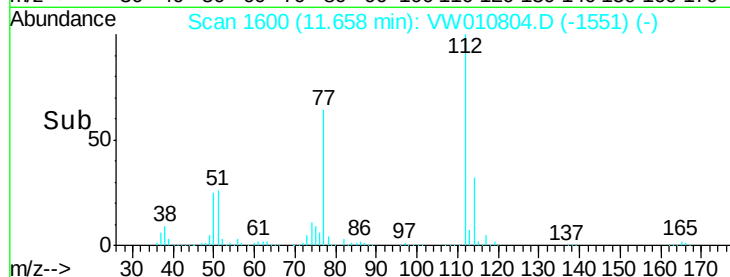
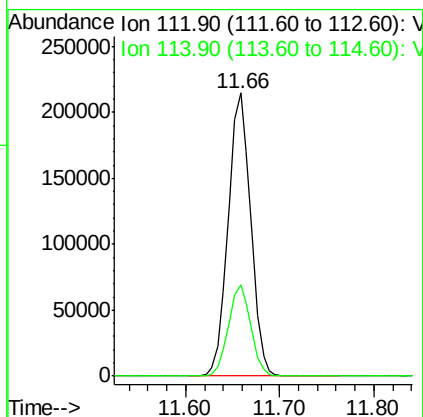
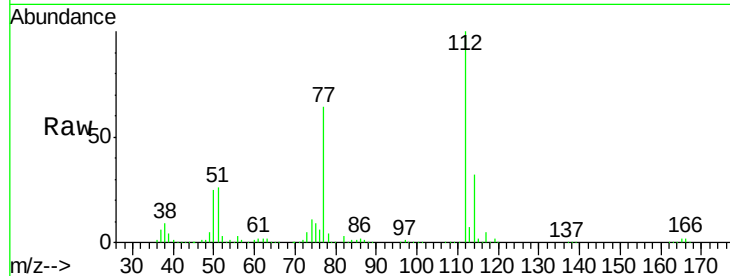




#65
Chlorobenzene
Concen: 55.040 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

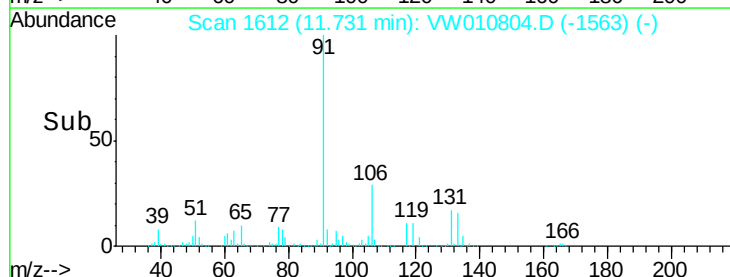
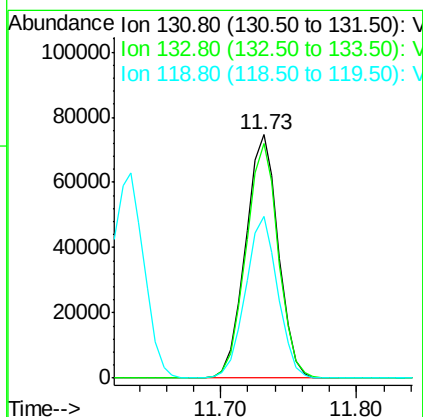
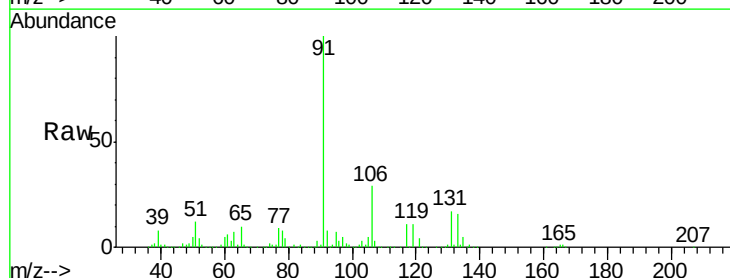
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

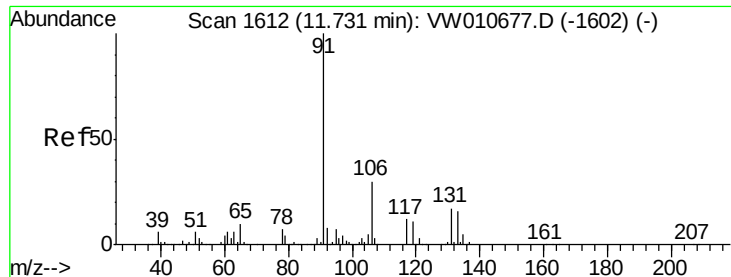
Tot Ion:112 Resp: 356053
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.144 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion:131 Resp: 125726
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.2 32.4 97.0

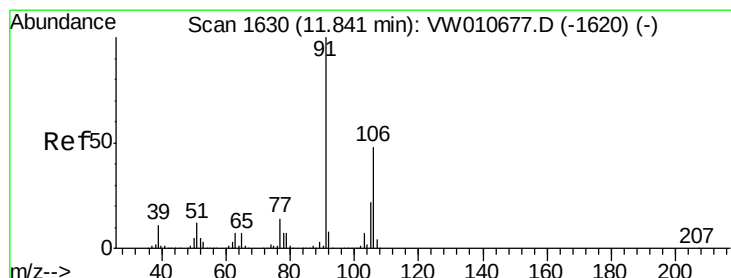
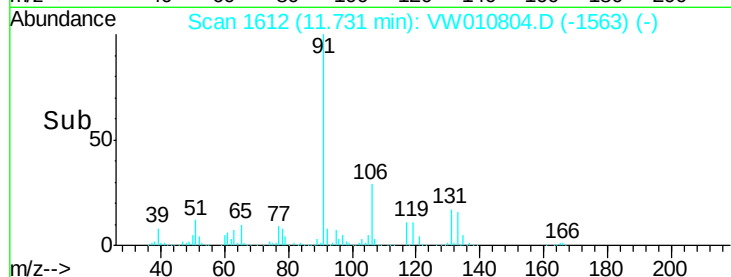
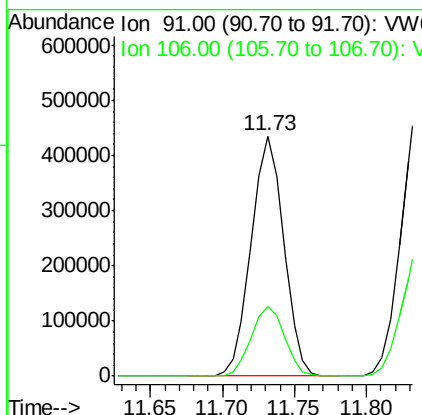
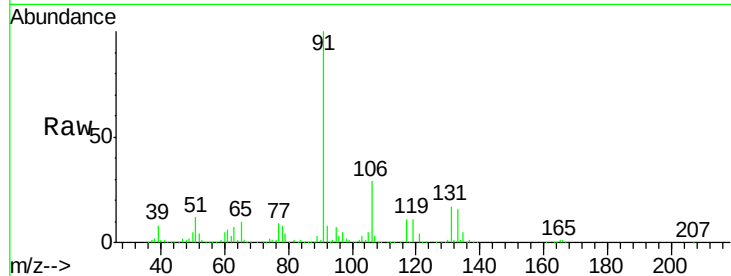




#67
Ethyl Benzene
Concen: 54.716 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

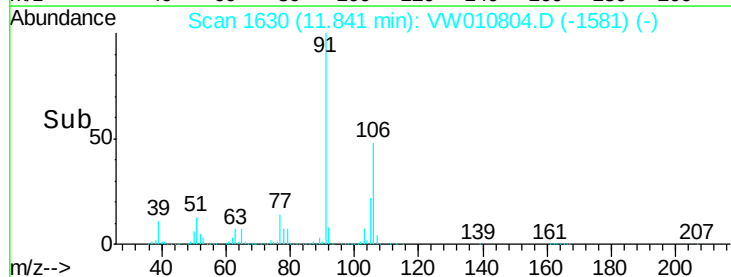
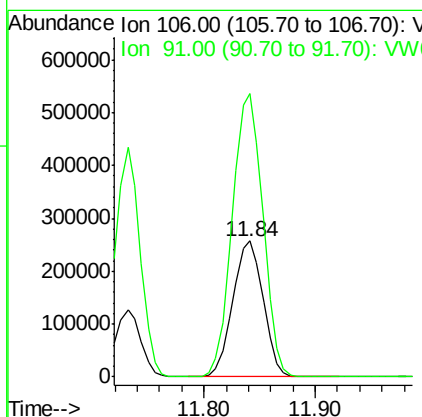
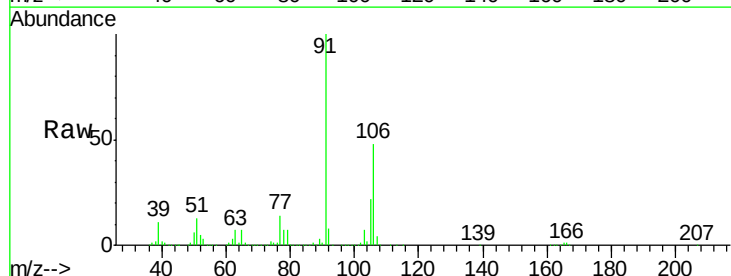
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

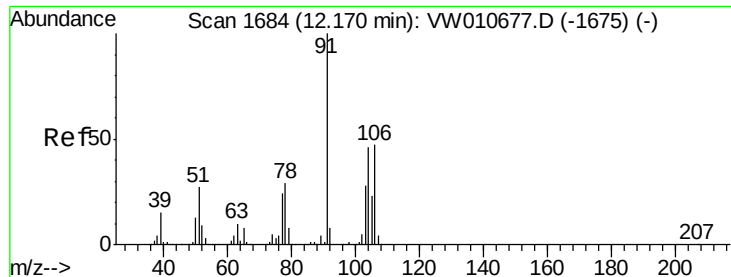
Tot Ion: 91 Resp: 680259
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.4



#68
m/p-Xylenes
Concen: 108.988 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 106 Resp: 485049
Ion Ratio Lower Upper
106 100
91 209.5 166.5 249.7

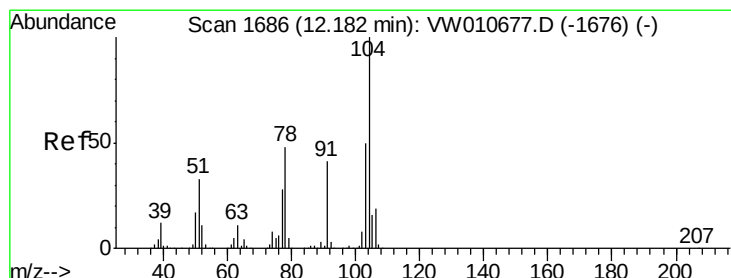
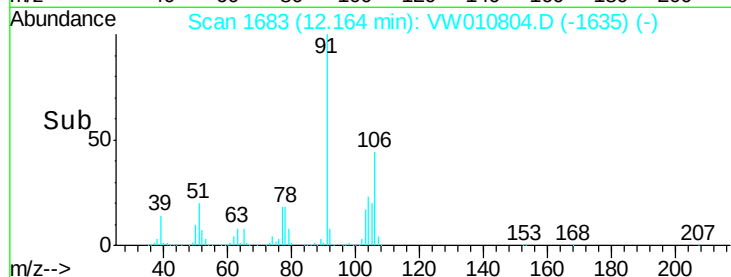
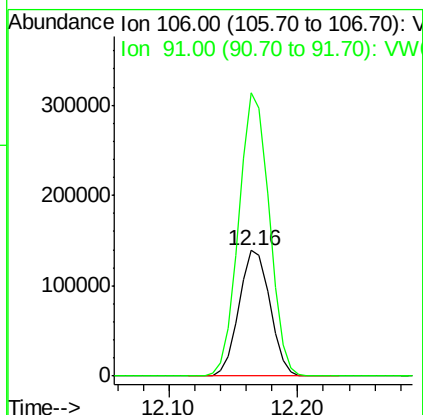
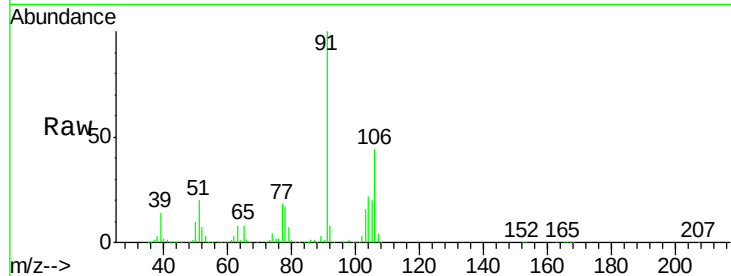




#69
o-Xylene
Concen: 54.764 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

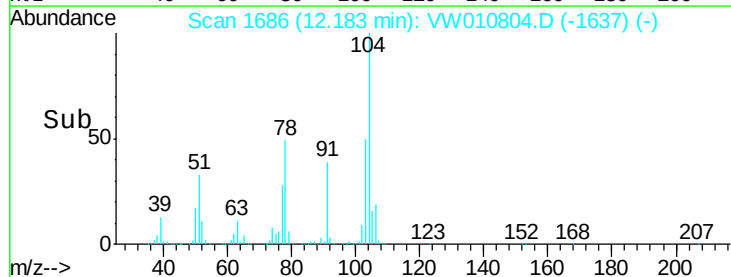
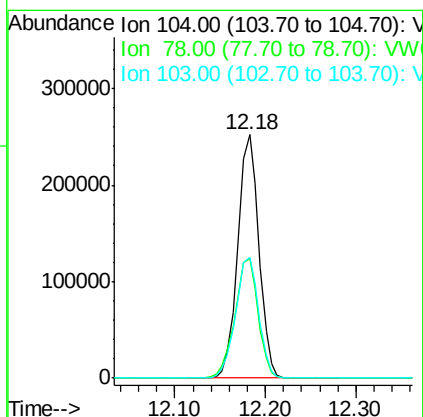
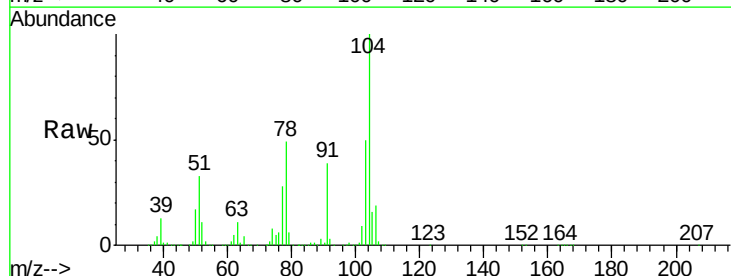
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

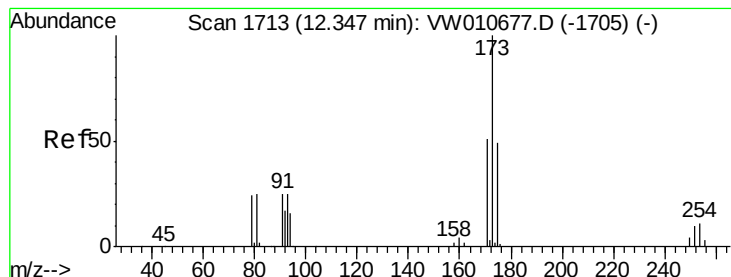
Tot Ion:106 Resp: 231155
Ion Ratio Lower Upper
106 100
91 222.1 108.9 326.6



#70
Styrene
Concen: 55.648 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion:104 Resp: 408032
Ion Ratio Lower Upper
104 100
78 54.0 42.7 64.1
103 54.4 43.6 65.4





#71

Bromoform

Concen: 56.121 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

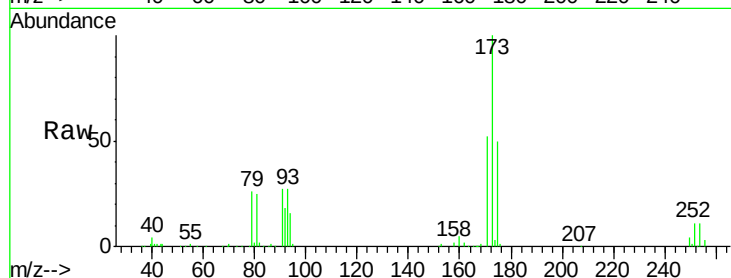
Tot Ion:173 Resp: 64996

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

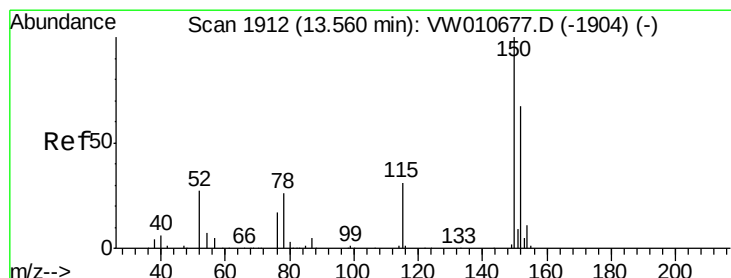
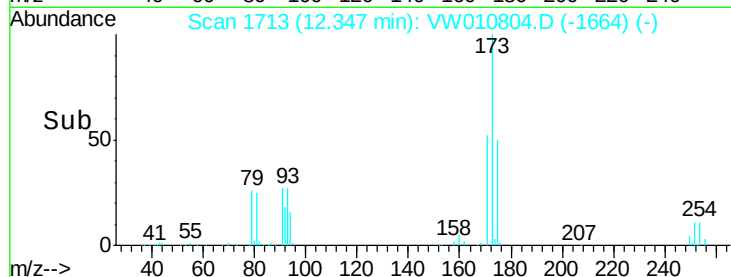
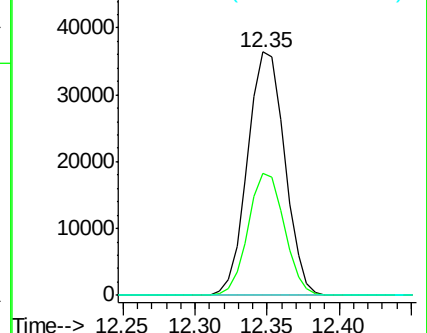
254 0.0 0.1 0.1#



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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

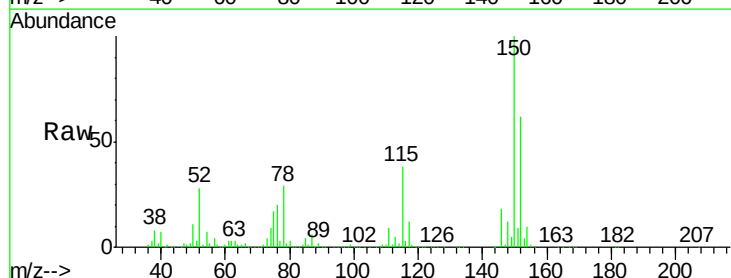
Tgt Ion:152 Resp: 156812

Ion Ratio Lower Upper

152 100

115 61.1 29.8 89.3

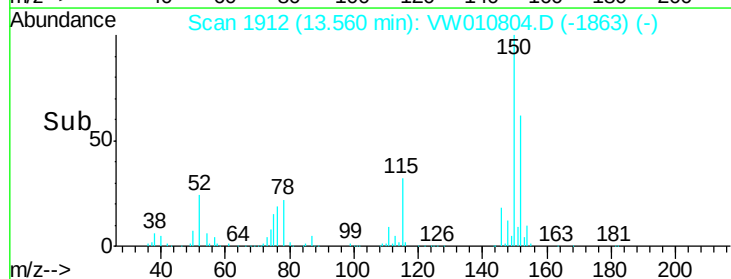
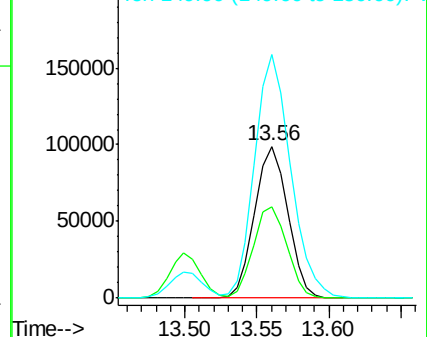
150 175.3 0.0 345.0

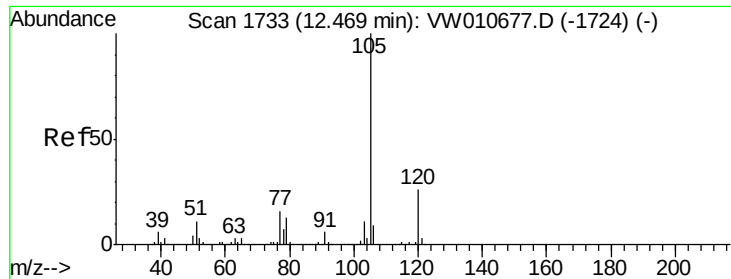


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.121 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

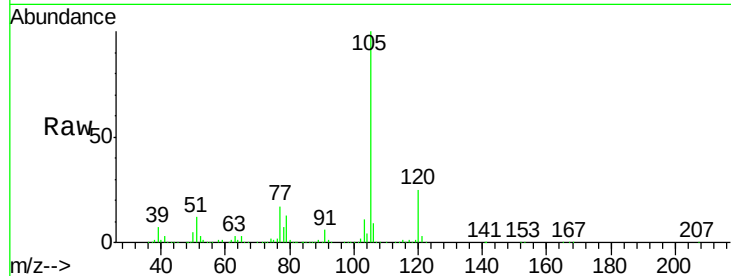
VSTDCCC050EC

Tot Ion:105 Resp: 637755

Ion Ratio Lower Upper

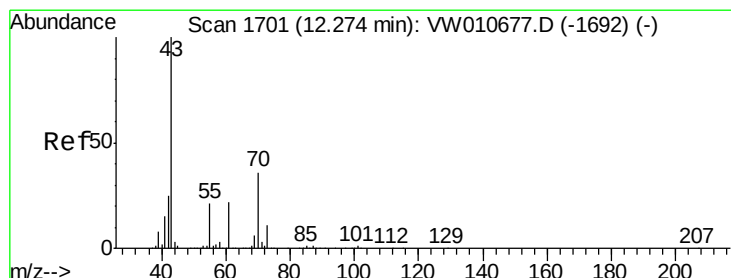
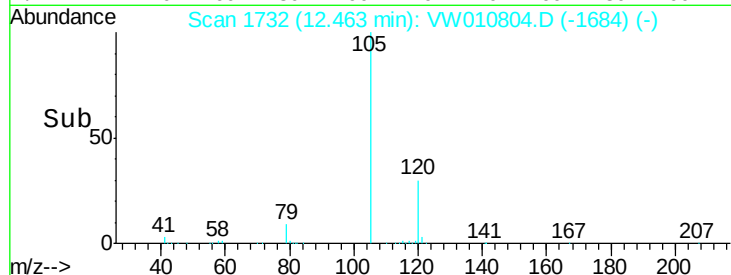
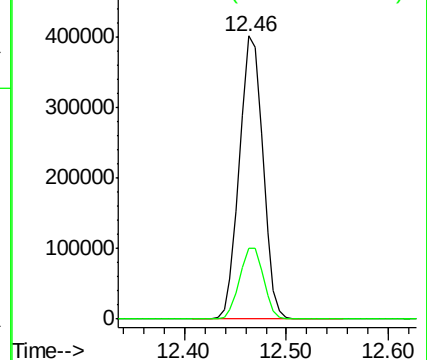
105 100

120 25.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.882 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Tgt Ion: 43 Resp: 228054

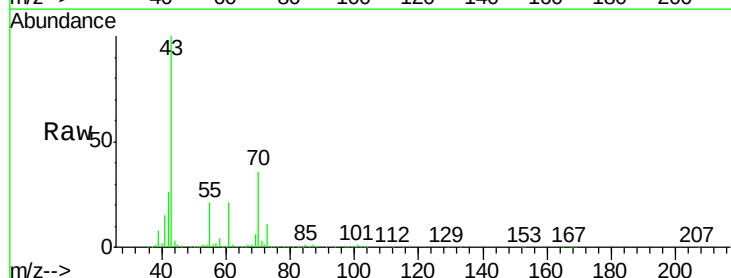
Ion Ratio Lower Upper

43 100

70 35.6 29.2 43.8

55 21.4 17.5 26.3

61 21.2 17.4 26.2

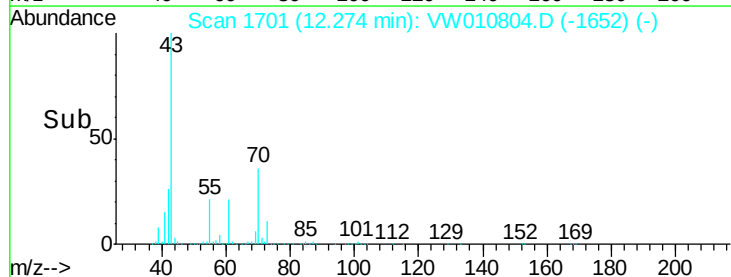
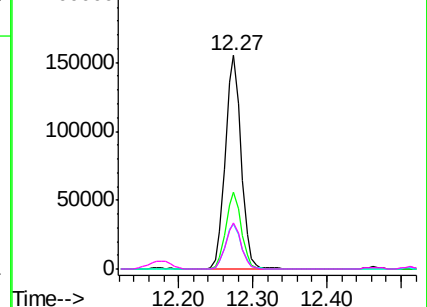


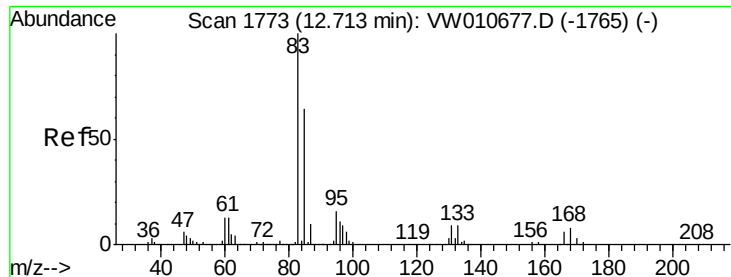
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 55.879 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

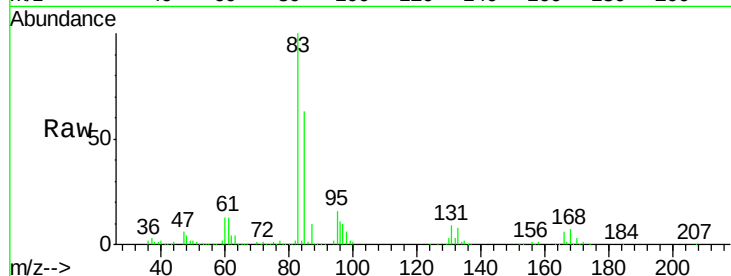
Tot Ion: 83 Resp: 125354

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

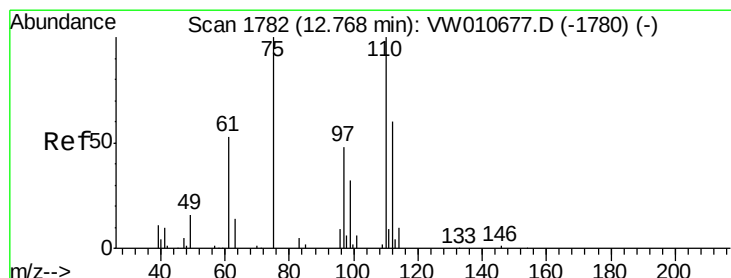
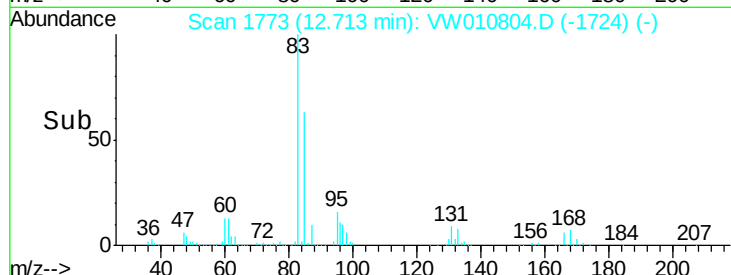
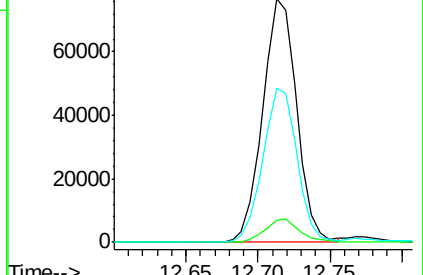
85 63.7 31.9 95.9



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: 54.724 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010804.D

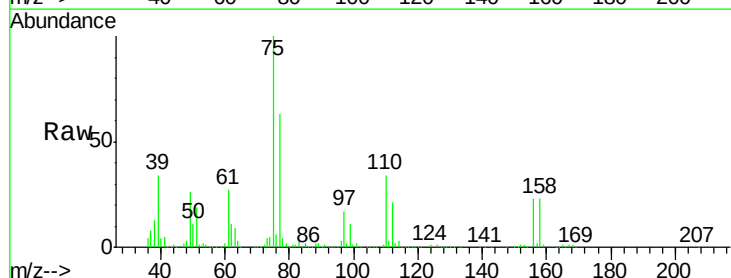
Acq: 13 Jun 2019 18:11

Tgt Ion: 75 Resp: 90116

Ion Ratio Lower Upper

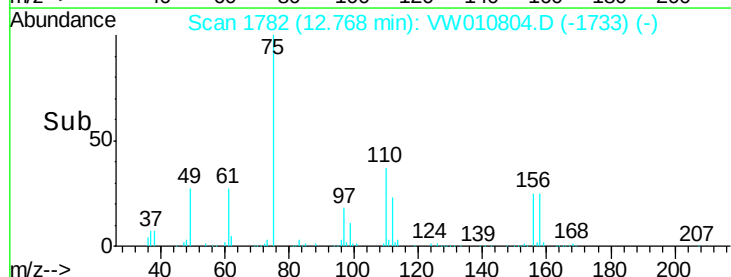
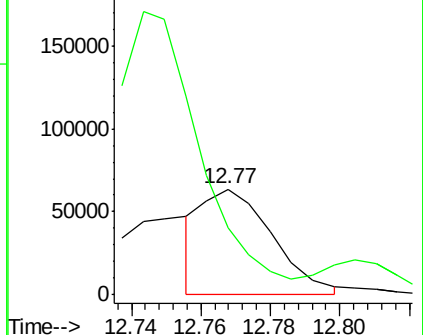
75 100

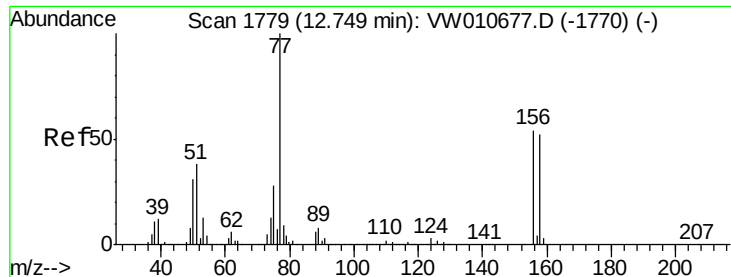
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.234 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

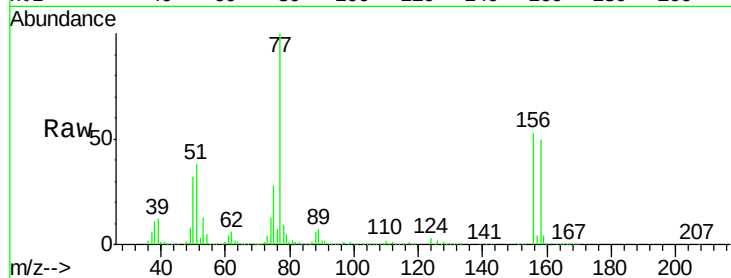
Tot Ion:156 Resp: 142073

Ion Ratio Lower Upper

156 100

77 217.6 106.5 319.4

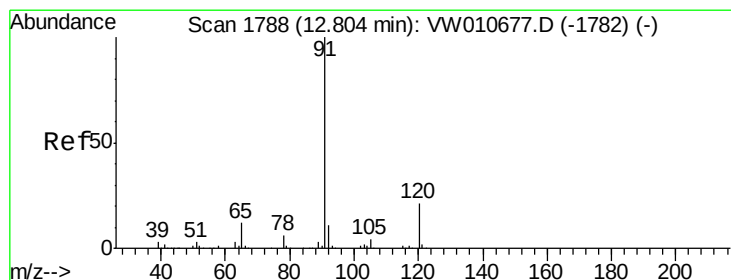
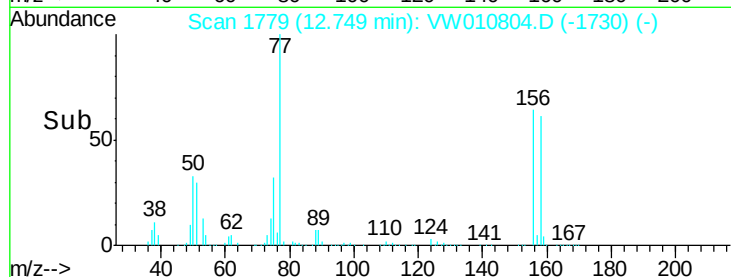
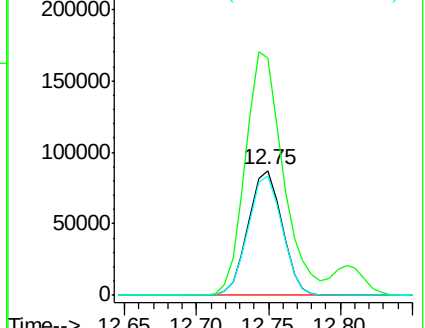
158 96.3 48.3 144.9



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: 54.626 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010804.D

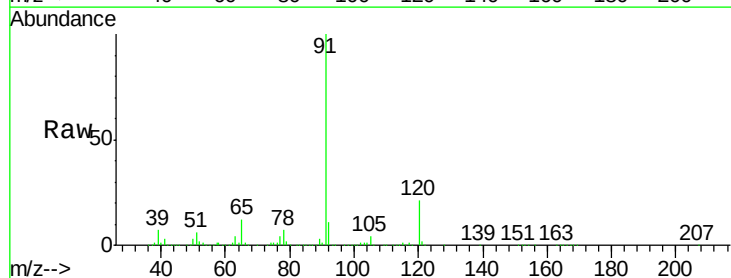
Acq: 13 Jun 2019 18:11

Tgt Ion: 91 Resp: 776183

Ion Ratio Lower Upper

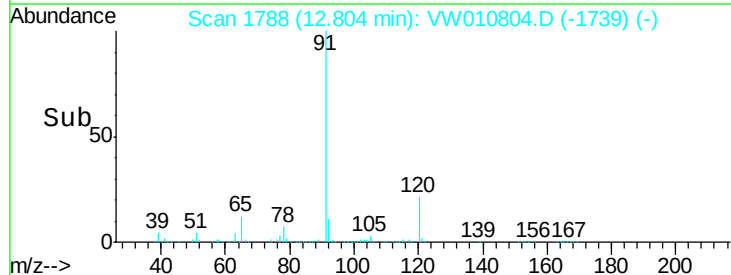
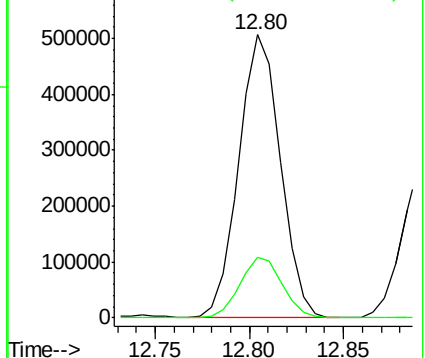
91 100

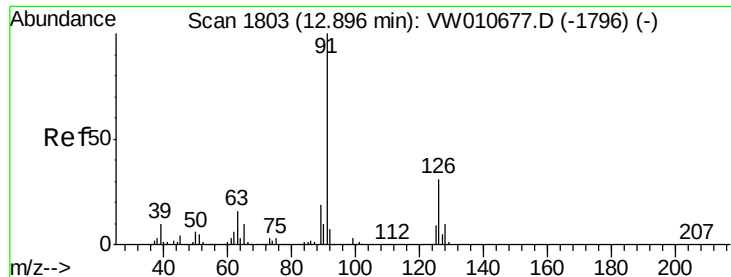
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.209 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

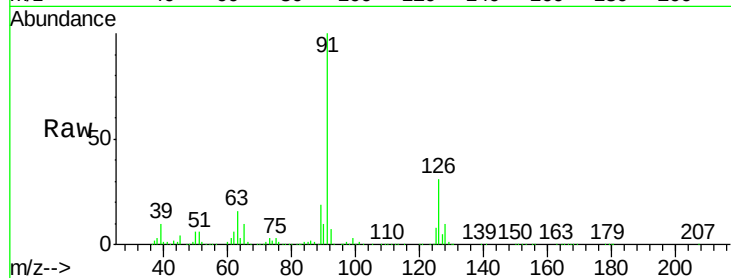
VSTDCCC050EC

Tot Ion: 91 Resp: 448175

Ion Ratio Lower Upper

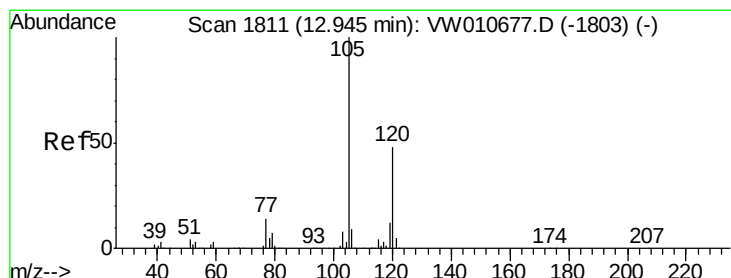
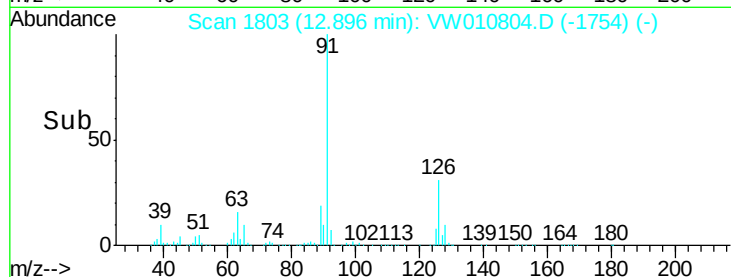
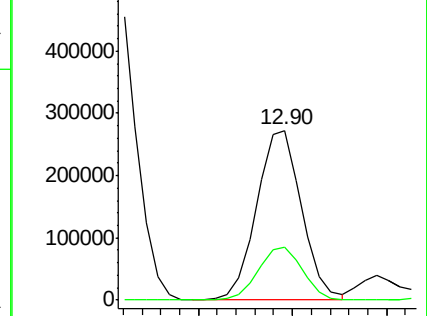
91 100

126 31.1 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.187 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010804.D

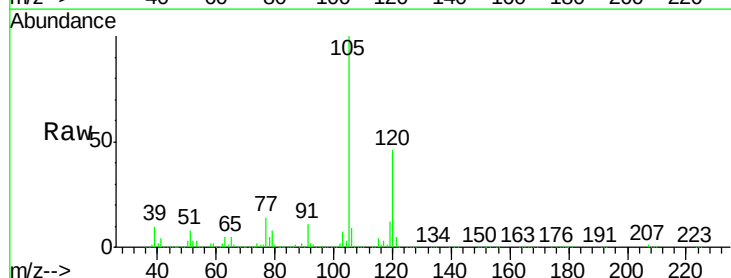
Acq: 13 Jun 2019 18:11

Tgt Ion: 105 Resp: 532293

Ion Ratio Lower Upper

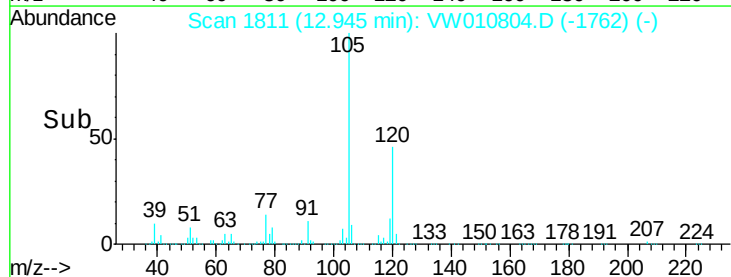
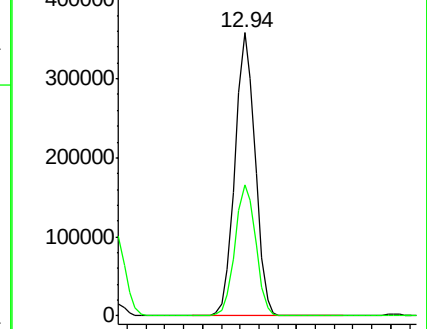
105 100

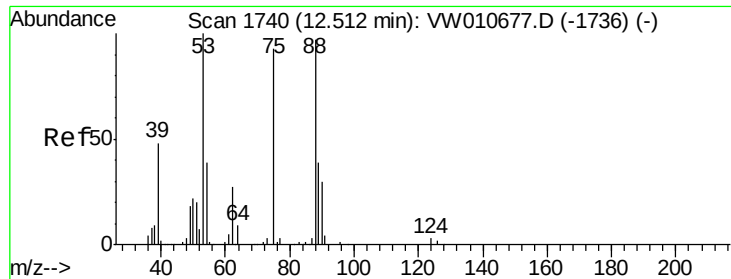
120 47.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

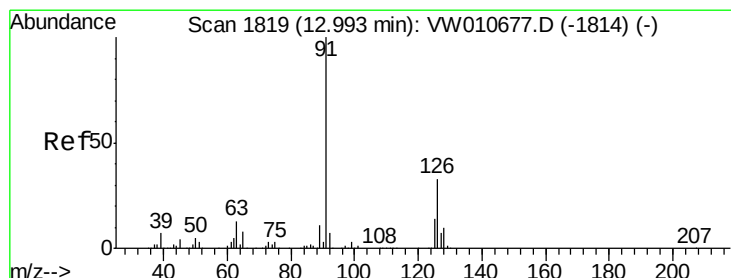
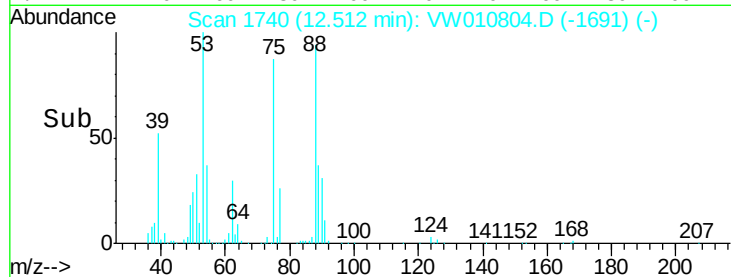
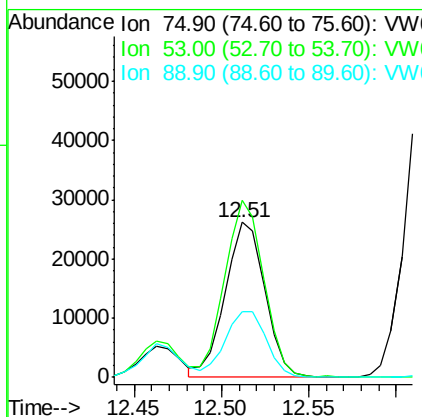
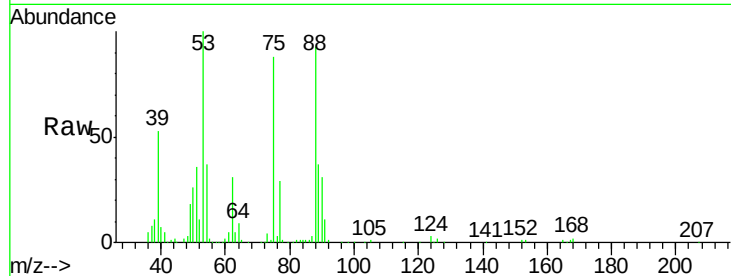




#81
trans-1,4-Dichloro-2-butene
Concen: 57.439 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

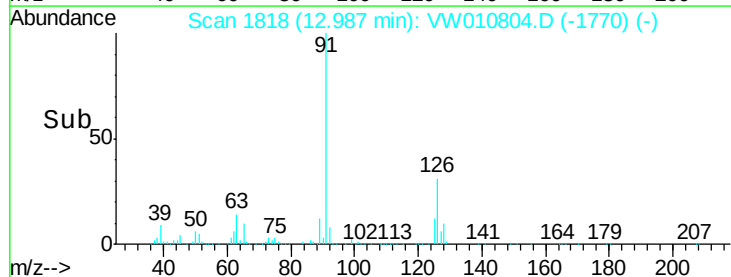
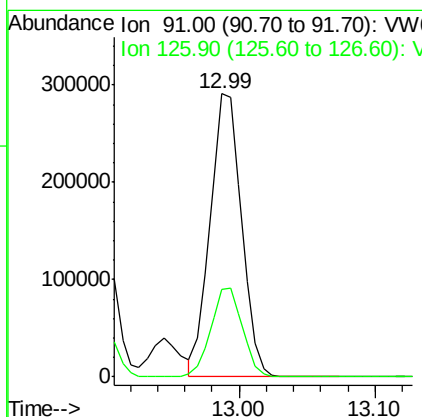
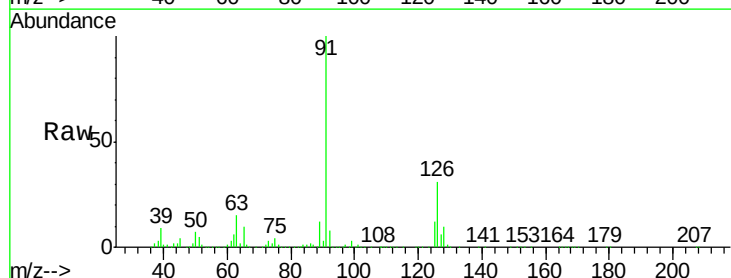
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

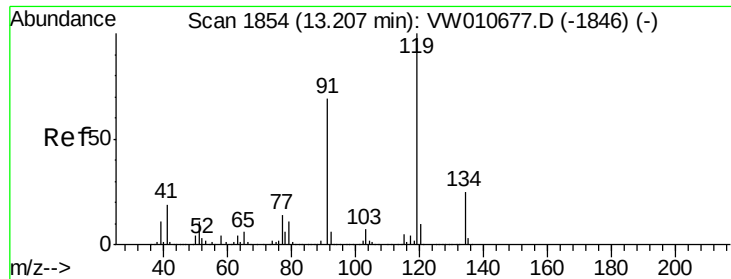
Tot Ion: 75 Resp: 41155
Ion Ratio Lower Upper
75 100
53 113.7 90.1 135.1
89 44.6 34.6 52.0



#82
4-Chlorotoluene
Concen: 55.438 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010804.D
Acq: 13 Jun 2019 18:11

Tgt Ion: 91 Resp: 464418
Ion Ratio Lower Upper
91 100
126 31.5 15.9 47.7

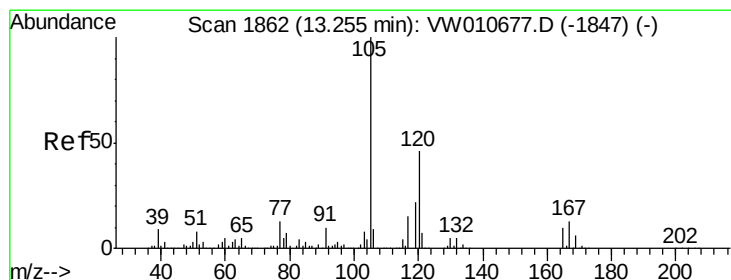
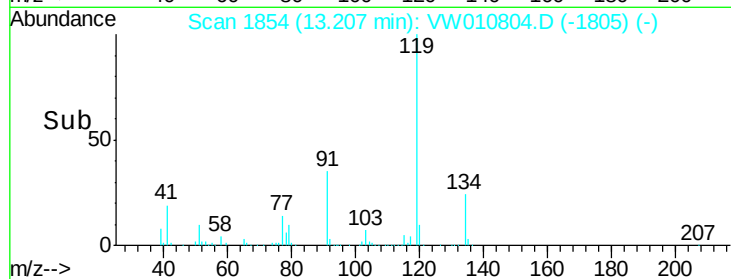
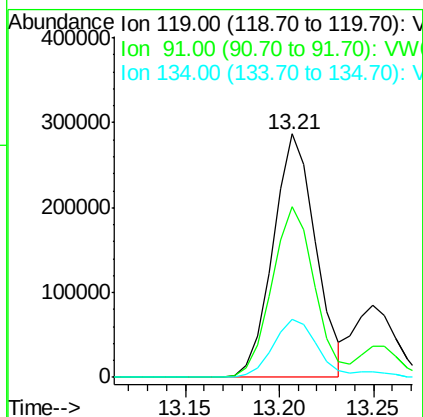
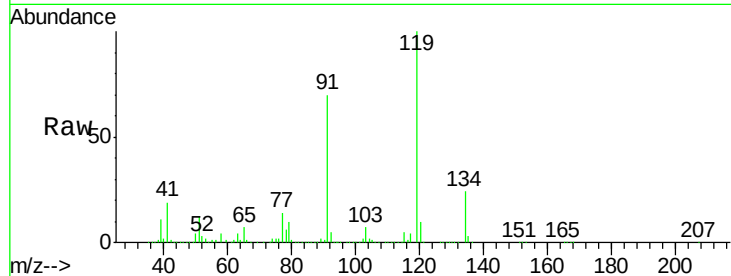




#83
 tert-Butylbenzene
 Concen: 54.818 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

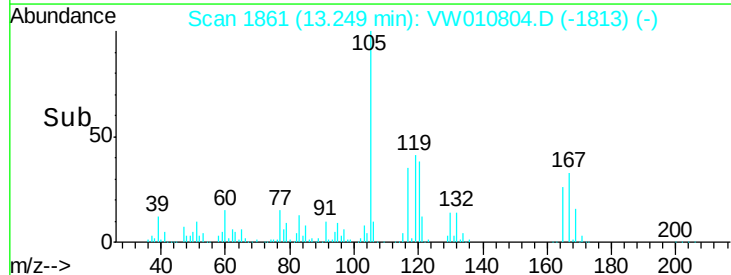
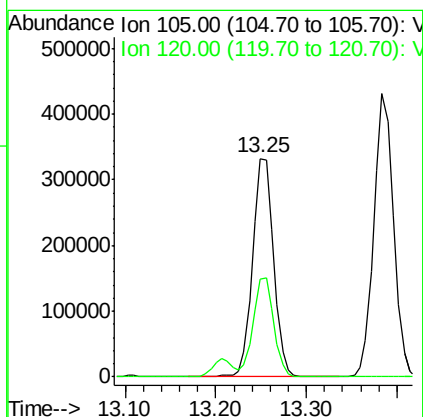
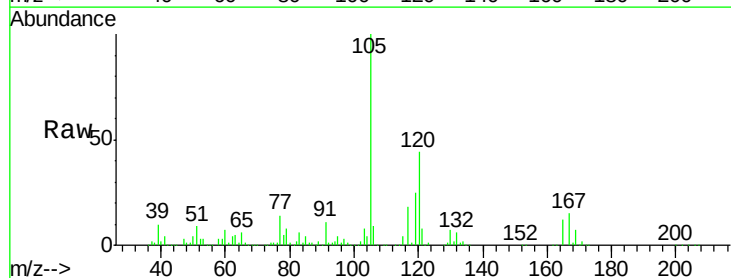
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

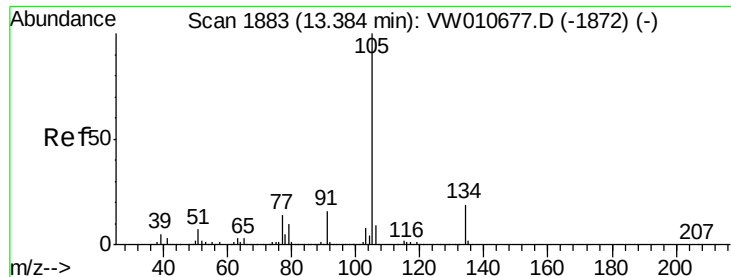
Tot Ion:119 Resp: 448726
 Ion Ratio Lower Upper
 119 100
 91 70.9 35.1 105.3
 134 26.5 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 55.022 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion:105 Resp: 534040
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.5 67.5





#85

sec-Butylbenzene

Concen: 54.258 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

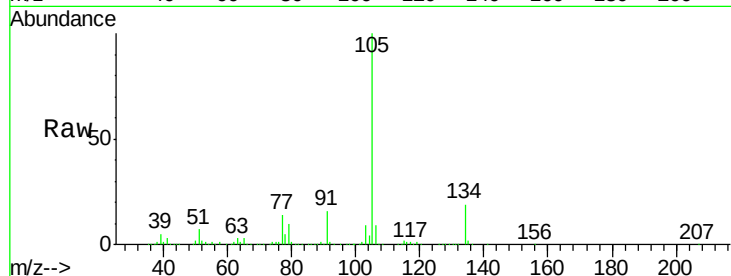
VSTDCCC050EC

Tot Ion:105 Resp: 646656

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

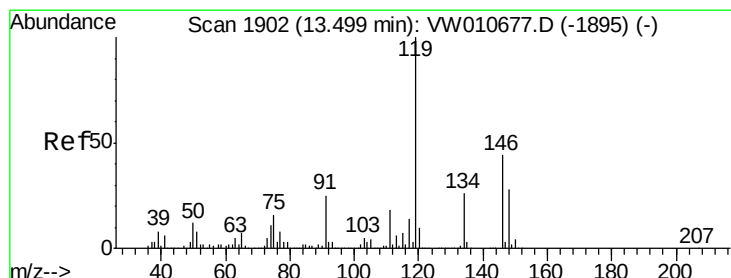
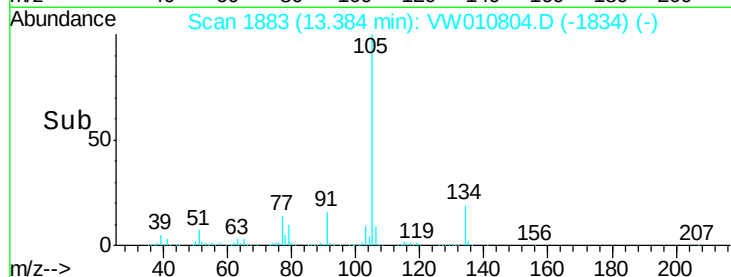
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 54.521 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

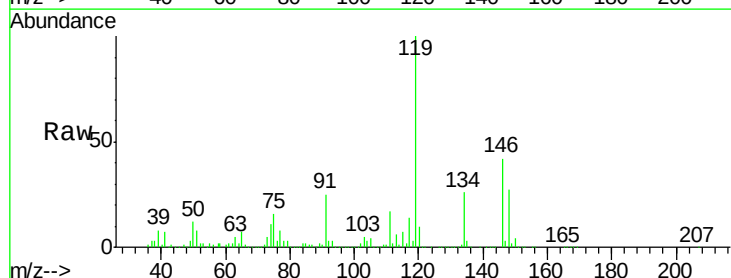
Tgt Ion:119 Resp: 581078

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

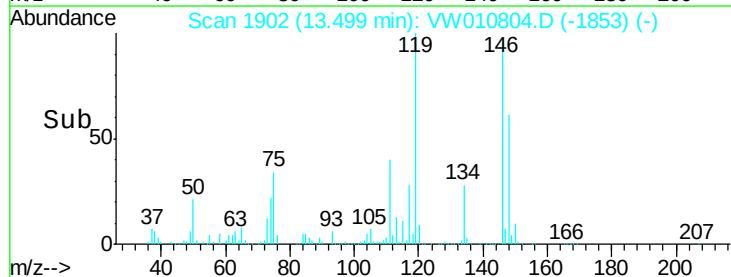
300000

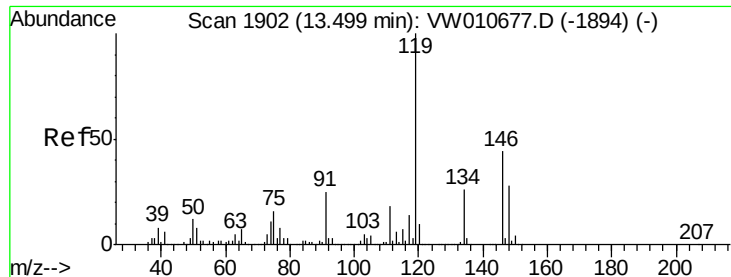
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 55.263 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

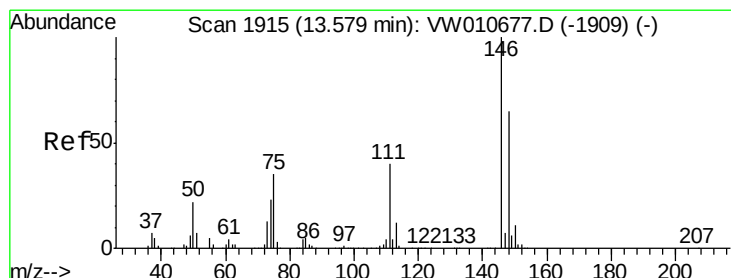
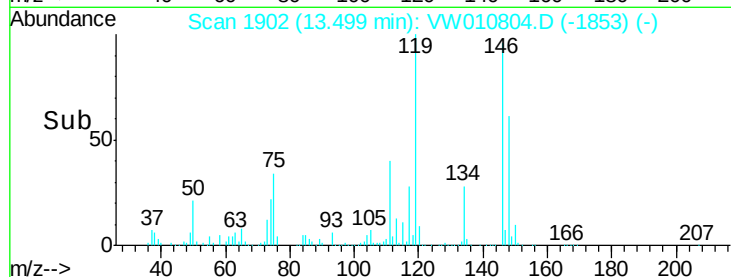
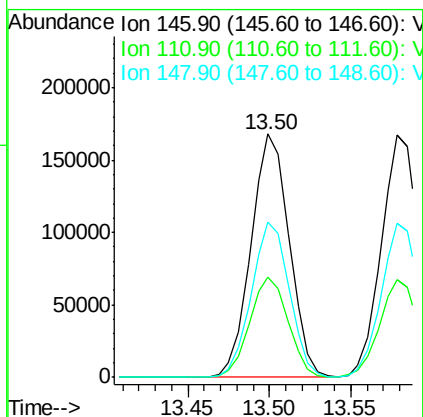
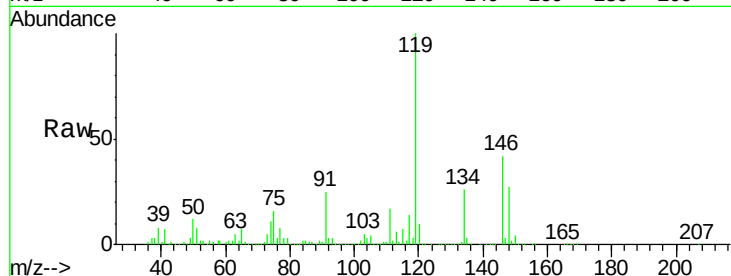
Tot Ion:146 Resp: 274125

Ion Ratio Lower Upper

146 100

111 41.5 20.4 61.3

148 63.4 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 54.965 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

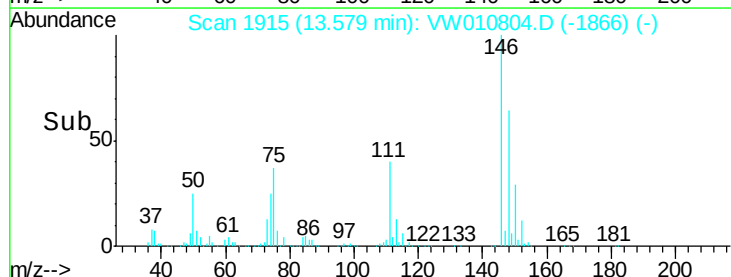
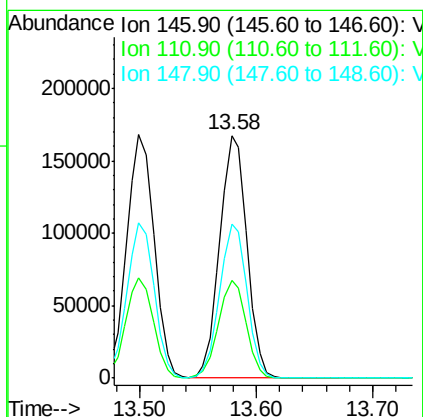
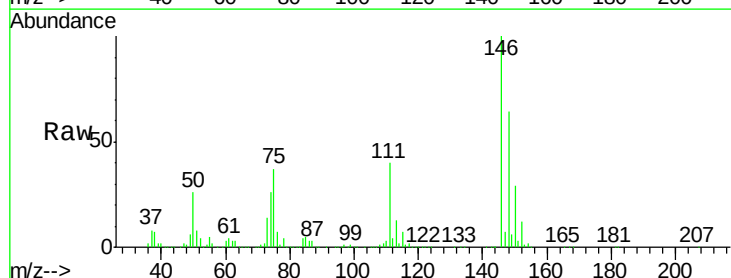
Tgt Ion:146 Resp: 270299

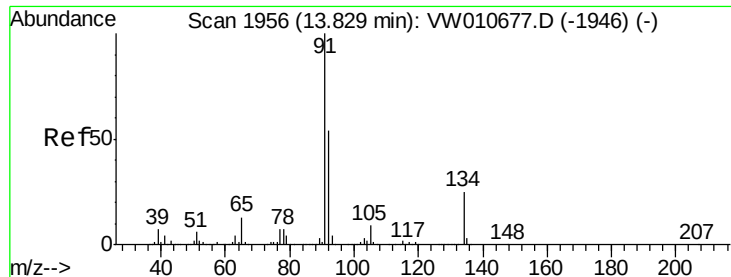
Ion Ratio Lower Upper

146 100

111 41.2 20.3 60.9

148 63.9 32.4 97.2





#89

n-Butylbenzene

Concen: 55.613 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

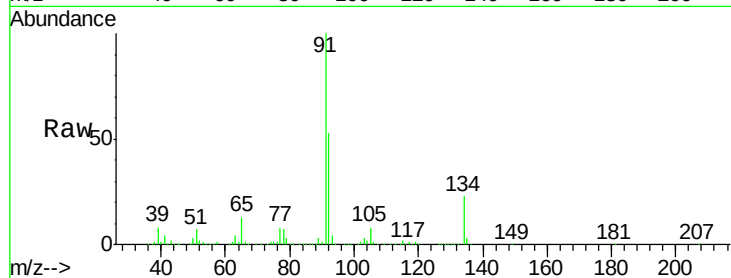
Tot Ion: 91 Resp: 591385

Ion Ratio Lower Upper

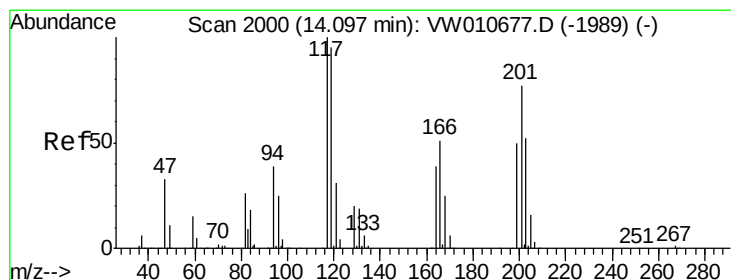
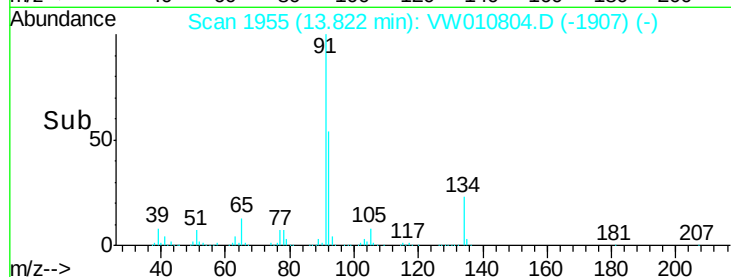
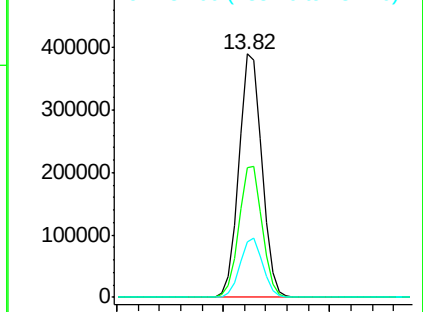
91 100

92 54.3 27.3 81.8

134 24.1 12.3 36.9



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



#90

Hexachloroethane

Concen: 56.317 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010804.D

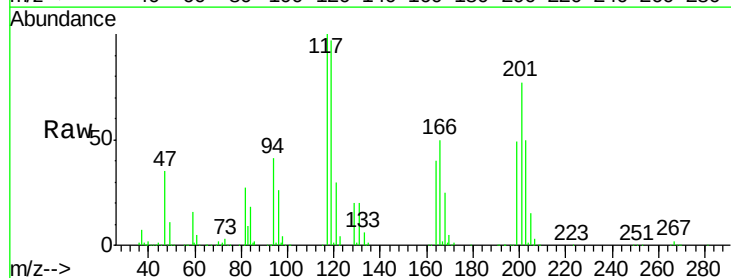
Acq: 13 Jun 2019 18:11

Tgt Ion: 117 Resp: 107490

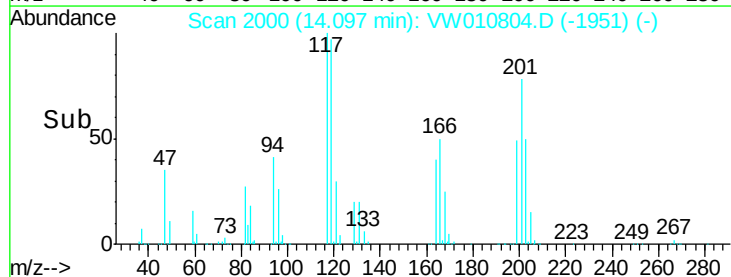
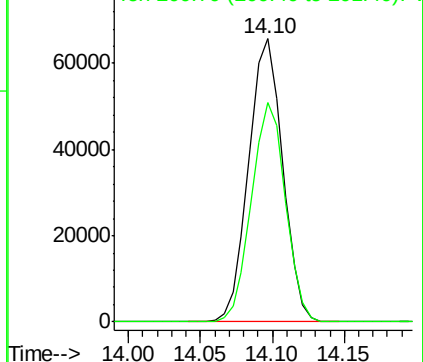
Ion Ratio Lower Upper

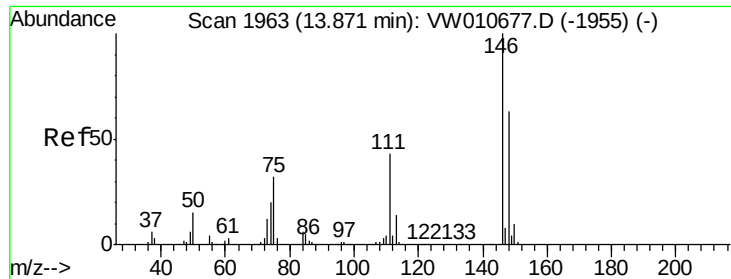
117 100

201 77.3 38.8 116.4



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

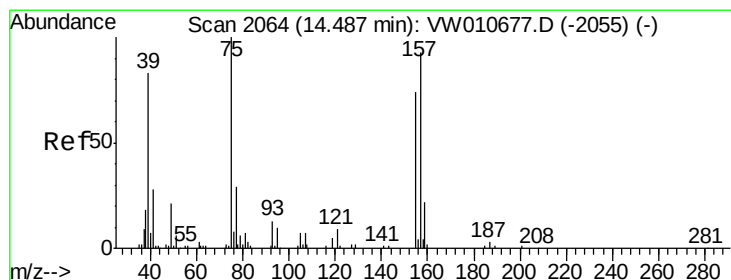
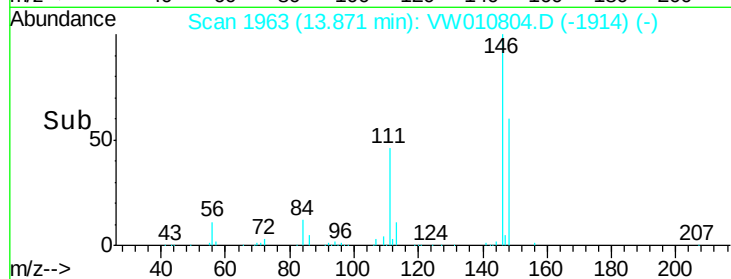
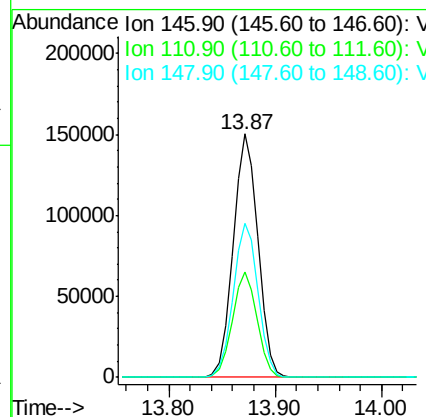
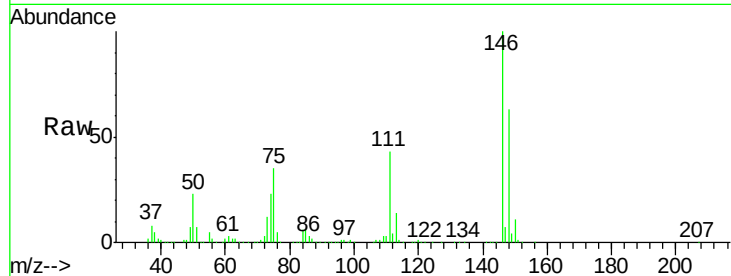




#91
 1,2-Dichlorobenzene
 Concen: 54.871 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

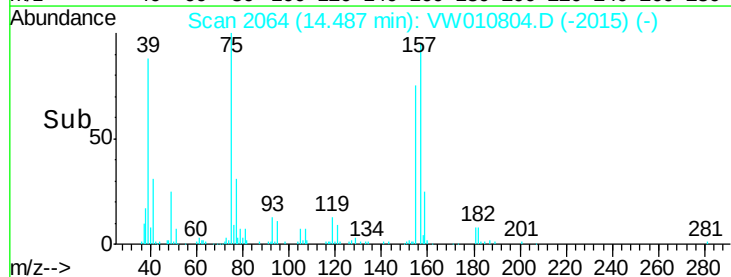
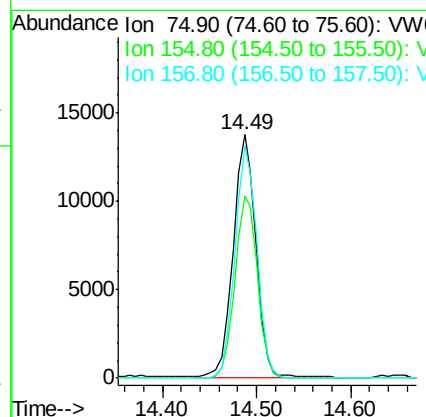
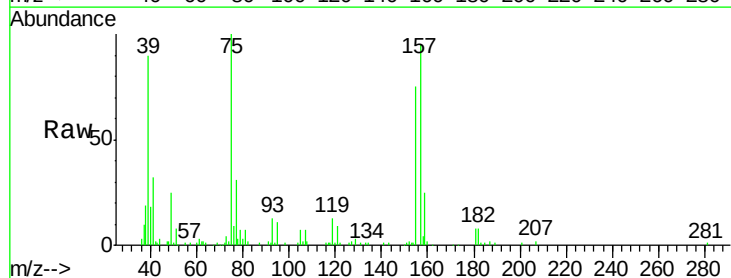
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

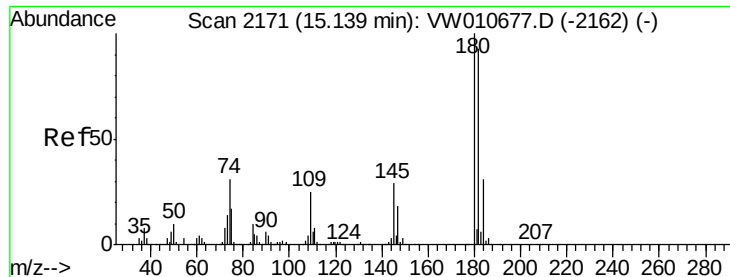
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.266 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	38.8	116.4
157	91.3	48.4	145.0

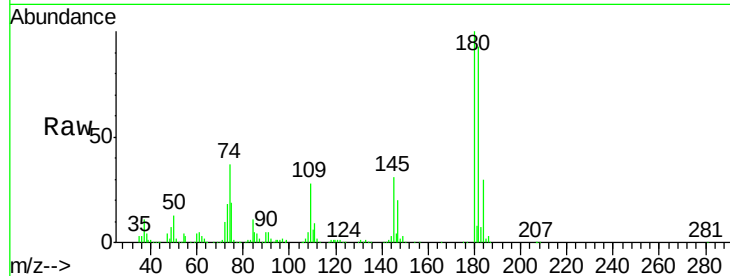




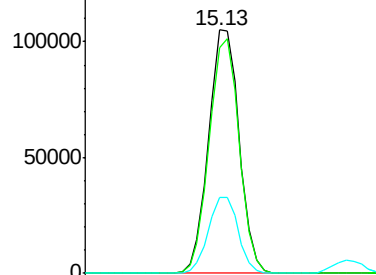
#93
 1,2,4-Trichlorobenzene
 Concen: 58.048 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

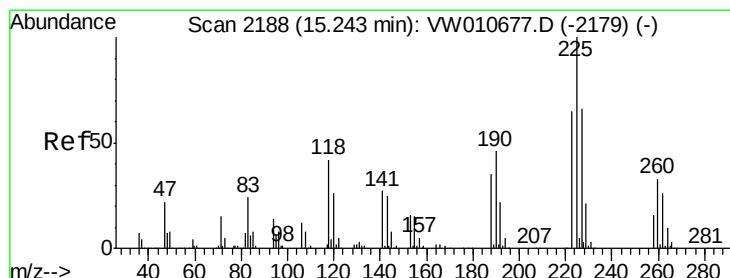
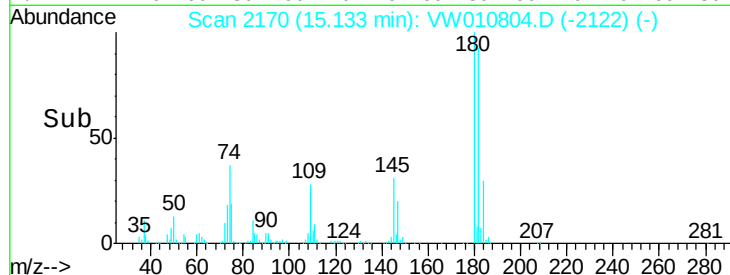
Tot Ion:180 Resp: 181714
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.1 141.4
 145 30.8 15.2 45.5



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

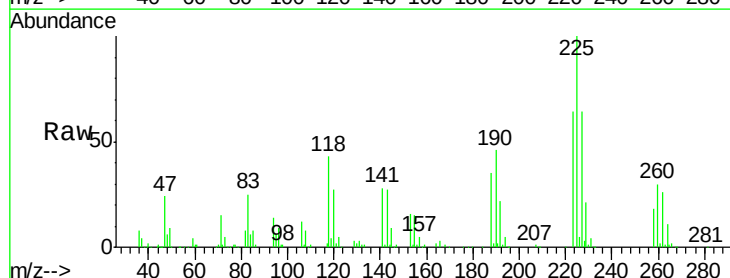


Time-->

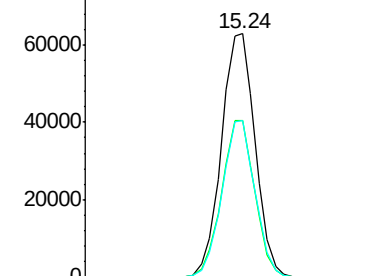


#94
 Hexachlorobutadiene
 Concen: 55.414 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010804.D
 Acq: 13 Jun 2019 18:11

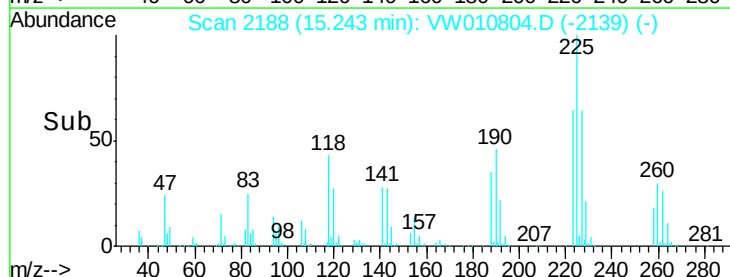
Tgt Ion:225 Resp: 108870
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.2 96.6
 227 63.1 32.0 96.0

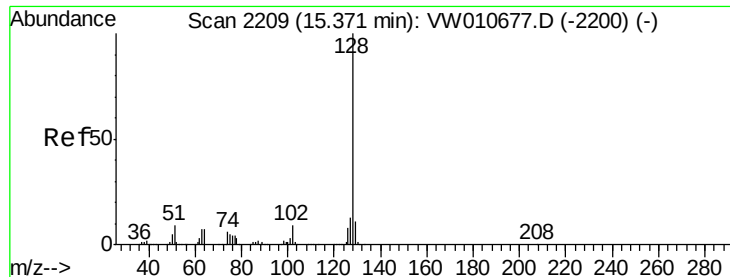


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 60.521 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

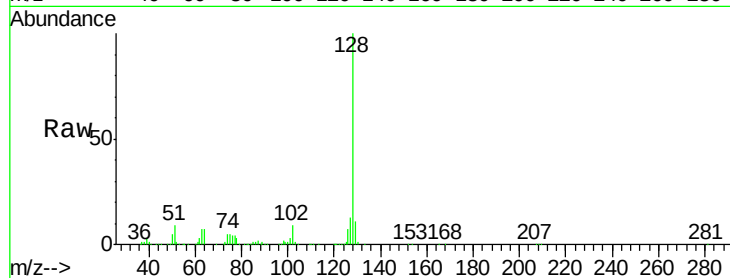
Tot Ion:128 Resp: 344221

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

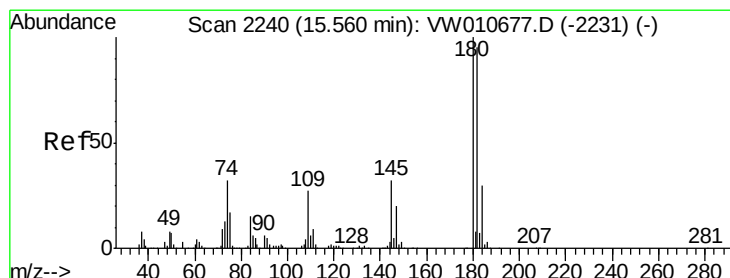
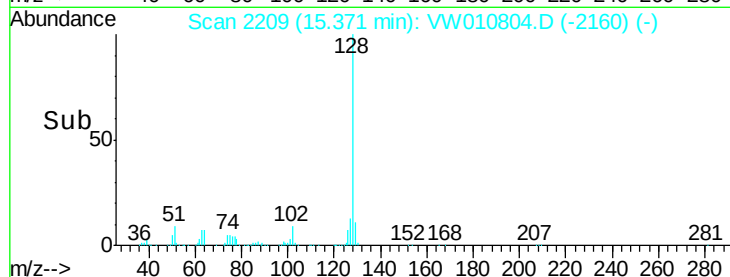
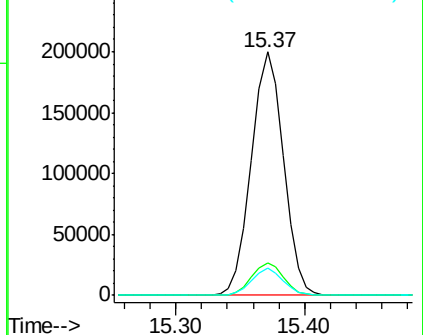
129 10.8 8.6 13.0



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: 59.702 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010804.D

Acq: 13 Jun 2019 18:11

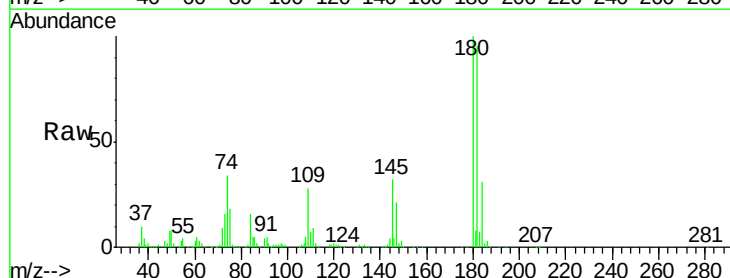
Tgt Ion:180 Resp: 158943

Ion Ratio Lower Upper

180 100

182 95.3 47.0 141.0

145 32.3 16.1 48.3



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

