

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011072.D
 Acq On : 28 Jun 2019 20:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 01:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	138986	52.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	105769	51.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.12%	
50) Toluene-d8	10.32	98	437600	51.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	160222	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	69778	45.435	ug/l	99
3) Chloromethane	2.21	50	98337	47.764	ug/l	98
4) Vinyl Chloride	2.35	62	123940	46.235	ug/l	99
5) Bromomethane	2.77	94	65191	48.857	ug/l	99
6) Chloroethane	2.92	64	69839	49.415	ug/l	98
7) Trichlorofluoromethane	3.24	101	35690	45.306	ug/l	96
8) Diethyl Ether	3.67	74	64184	51.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106925	48.262	ug/l	100
10) Methyl Iodide	4.27	142	153788	49.613	ug/l	100
11) Tert butyl alcohol	5.17	59	46091	238.287	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109471	47.470	ug/l	98
13) Acrolein	3.89	56	37696	249.915	ug/l	99
14) Allyl chloride	4.66	41	182501	49.170	ug/l	99
15) Acrylonitrile	5.36	53	165077	268.697	ug/l	100
16) Acetone	4.12	43	174329	268.163	ug/l	99
17) Carbon Disulfide	4.39	76	316792	48.421	ug/l	100
18) Methyl Acetate	4.67	43	84939	50.440	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	171527	52.550	ug/l	96
20) Methylene Chloride	4.92	84	126343	47.834	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	118017	49.663	ug/l	97
22) Diisopropyl ether	6.31	45	466130	52.187	ug/l	97
23) Vinyl Acetate	6.25	43	1481871	269.262	ug/l	100
24) 1,1-Dichloroethane	6.21	63	236796	50.225	ug/l	99
25) 2-Butanone	7.17	43	263697	266.858	ug/l	99
26) 2,2-Dichloropropane	7.16	77	102970	42.065	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	129479	50.604	ug/l	98
28) Bromochloromethane	7.51	49	106433	48.493	ug/l	100
29) Tetrahydrofuran	7.52	42	168193	273.425	ug/l	100
30) Chloroform	7.67	83	216529	50.552	ug/l	99
31) Cyclohexane	7.95	56	235278	46.184	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	158709	49.586	ug/l	99
36) 1,1-Dichloropropene	8.08	75	177256	48.614	ug/l	99
37) Ethyl Acetate	7.25	43	111952	52.779	ug/l	98
38) Carbon Tetrachloride	8.06	117	146261	48.710	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011072.D
 Acq On : 28 Jun 2019 20:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 01:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	217029	48.366	ug/l	97
40) Benzene	8.32	78	500087	49.866	ug/l	100
41) Methacrylonitrile	7.48	41	70163	54.369	ug/l	99
42) 1,2-Dichloroethane	8.40	62	168042	51.105	ug/l	100
43) Isopropyl Acetate	8.42	43	214231	53.389	ug/l	100
44) Trichloroethene	9.09	130	119768	49.416	ug/l	100
45) 1,2-Dichloropropane	9.37	63	138298	50.783	ug/l	97
46) Dibromomethane	9.46	93	65382	51.334	ug/l	99
47) Bromodichloromethane	9.64	83	163847	51.959	ug/l	99
48) Methyl methacrylate	9.43	41	103410	53.150	ug/l	99
49) 1,4-Dioxane	9.45	88	23173	1082.090	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	572682	271.129	ug/l	100
52) Toluene	10.38	92	308109	50.182	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	169833	51.707	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	201963	51.546	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93163	51.773	ug/l	98
56) Ethyl methacrylate	10.65	69	145994	54.180	ug/l	98
57) 1,3-Dichloropropane	10.93	76	176785	51.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	324376	237.922	ug/l	99
59) 2-Hexanone	10.97	43	404909	274.889	ug/l	99
60) Dibromochloromethane	11.13	129	100152	53.076	ug/l	98
61) 1,2-Dibromoethane	11.23	107	87715	52.070	ug/l	100
64) Tetrachloroethene	10.86	164	109798	51.918	ug/l	97
65) Chlorobenzene	11.66	112	309563	49.210	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	109982	51.495	ug/l	98
67) Ethyl Benzene	11.73	91	593422	49.253	ug/l	100
68) m/p-Xylenes	11.84	106	434844	99.463	ug/l	100
69) o-Xylene	12.16	106	204015	50.100	ug/l	99
70) Styrene	12.18	104	359542	50.810	ug/l	100
71) Bromoform	12.35	173	55397	53.205	ug/l #	99
73) Isopropylbenzene	12.46	105	565350	48.898	ug/l	100
74) N-amyl acetate	12.27	43	205320	52.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115757	50.985	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	149994	92.057	ug/l #	100
77) Bromobenzene	12.75	156	125648	49.442	ug/l	100
78) n-propylbenzene	12.80	91	697019	48.683	ug/l	99
79) 2-Chlorotoluene	12.89	91	396683	48.496	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	481481	49.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34082	44.957	ug/l	100
82) 4-Chlorotoluene	12.99	91	415047	48.691	ug/l	100
83) tert-Butylbenzene	13.21	119	402637	49.272	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	490530	49.523	ug/l	99
85) sec-Butylbenzene	13.38	105	580605	48.909	ug/l	100
86) p-Isopropyltoluene	13.50	119	525550	49.196	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	249102	49.553	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244715	48.766	ug/l	99
89) n-Butylbenzene	13.82	91	530999	48.904	ug/l	100
90) Hexachloroethane	14.10	117	89865	49.165	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	225496	49.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19821	51.369	ug/l	97

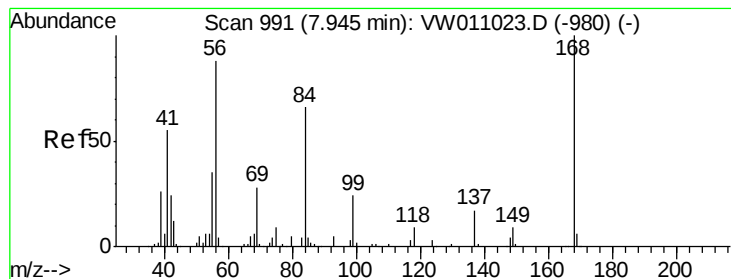
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
Data File : VW011072.D
Acq On : 28 Jun 2019 20:29
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 29 01:52:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163577	51.494	ug/l	99
94) Hexachlorobutadiene	15.24	225	95316	49.471	ug/l	99
95) Naphthalene	15.37	128	324311	54.350	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	144723	51.022	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: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

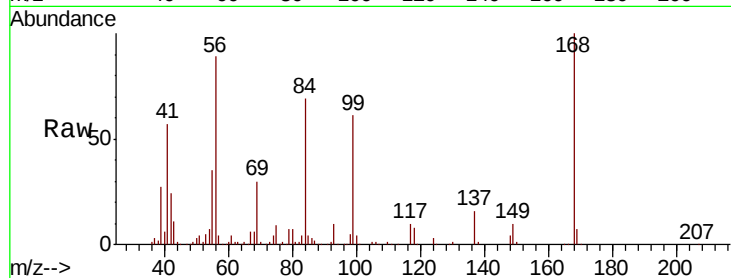
VSTDCCC050EC

Tot Ion:168 Resp: 203727

Ion Ratio Lower Upper

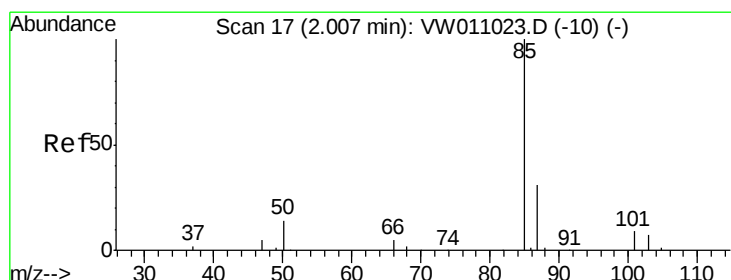
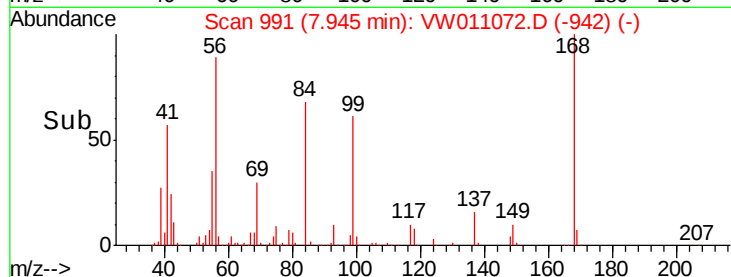
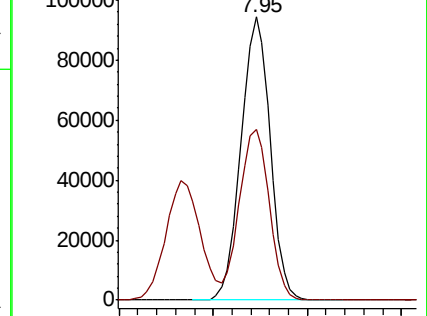
168 100

99 60.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.435 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011072.D

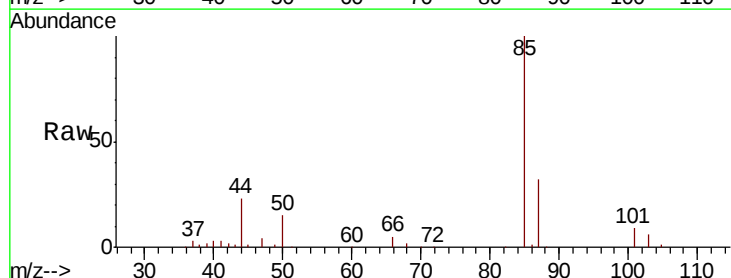
Acq: 28 Jun 2019 20:29

Tgt Ion: 85 Resp: 69778

Ion Ratio Lower Upper

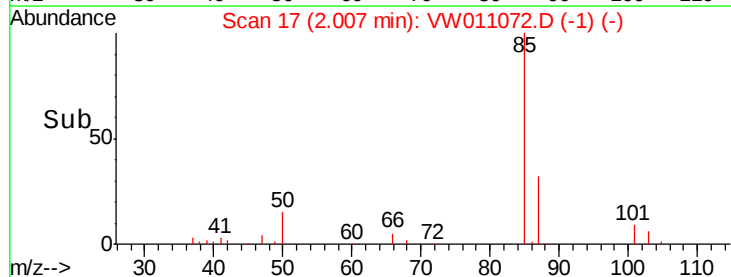
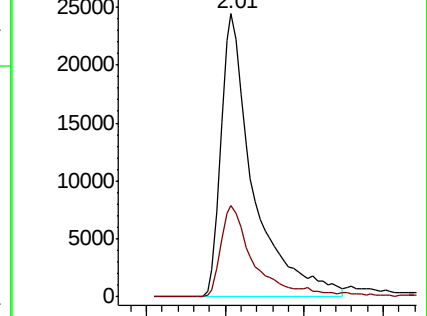
85 100

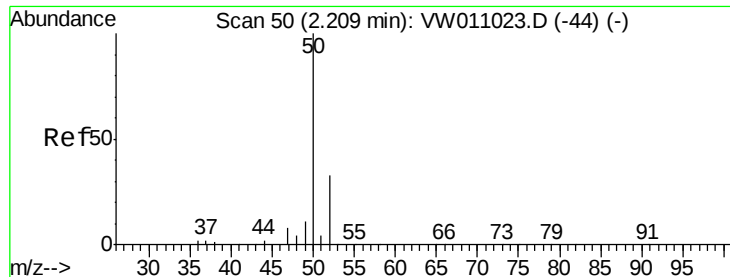
87 32.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.764 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

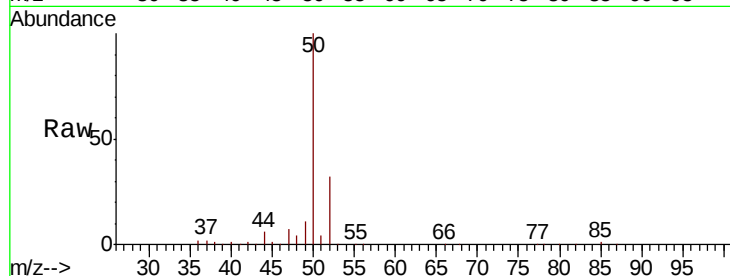
VSTDCCC050EC

Tot Ion: 50 Resp: 98337

Ion Ratio Lower Upper

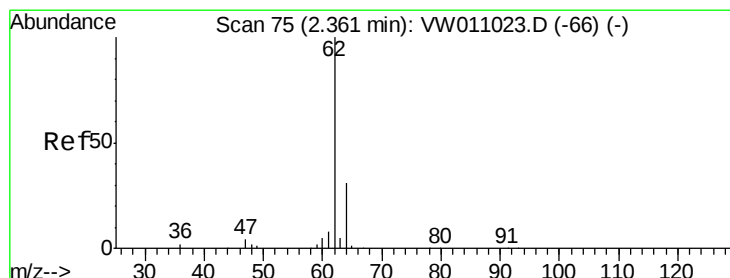
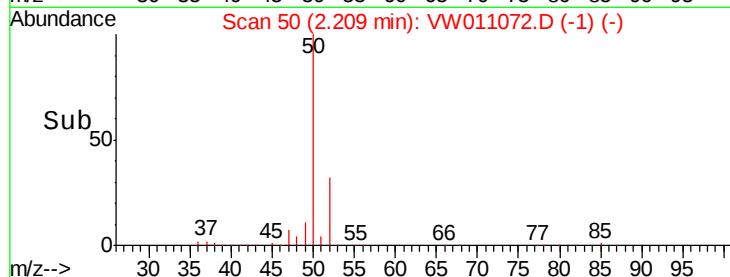
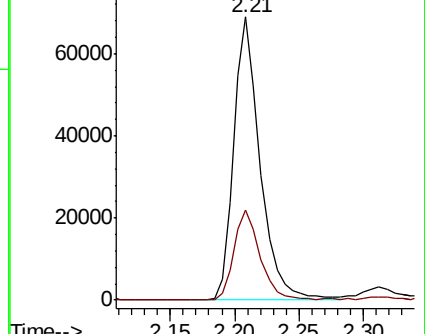
50 100

52 32.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.235 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011072.D

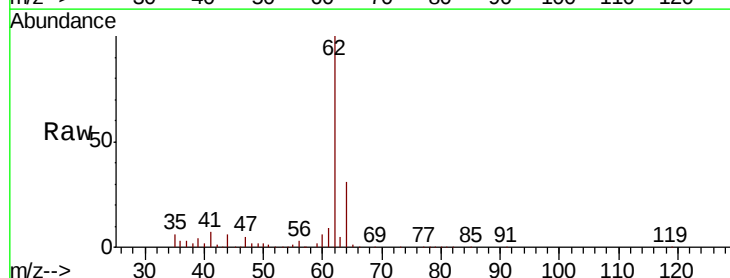
Acq: 28 Jun 2019 20:29

Tgt Ion: 62 Resp: 123940

Ion Ratio Lower Upper

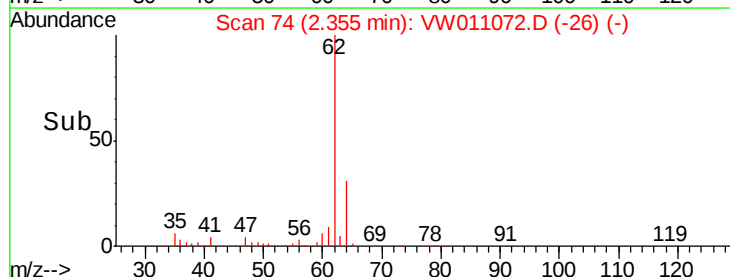
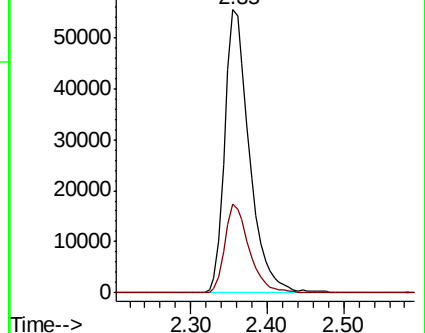
62 100

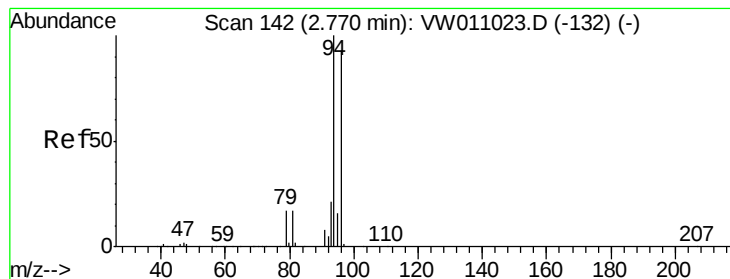
64 31.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.857 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

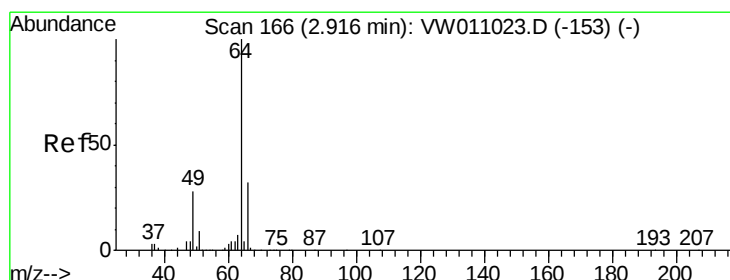
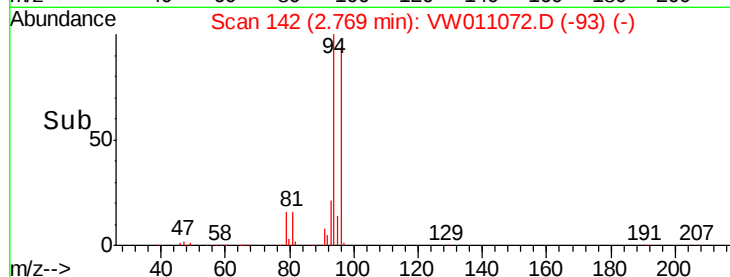
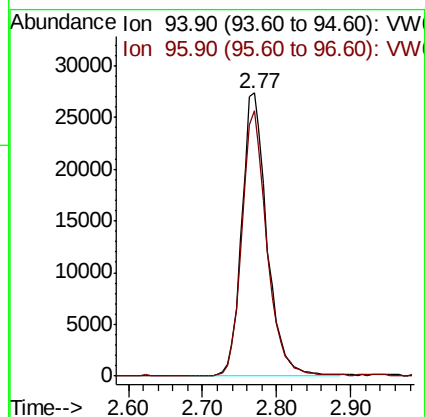
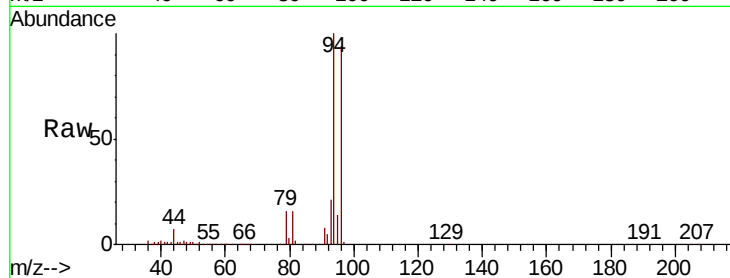
VSTDCCC050EC

Tot Ion: 94 Resp: 65191

Ion Ratio Lower Upper

94 100

96 93.5 74.2 111.2



#6

Chloroethane

Concen: 49.415 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011072.D

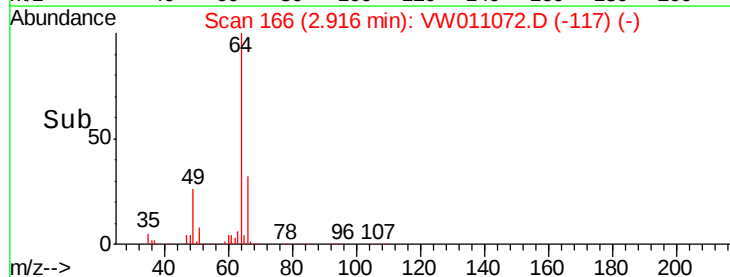
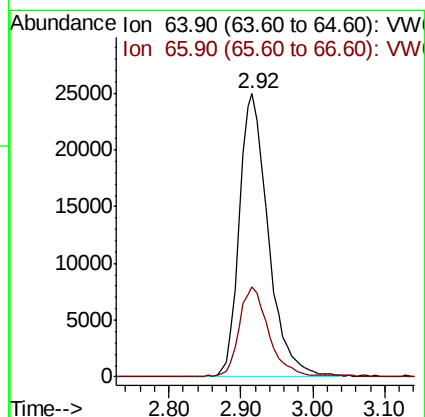
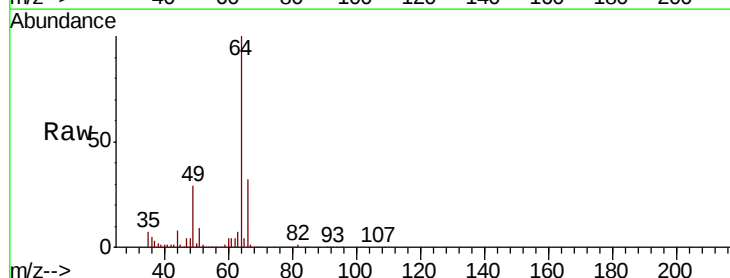
Acq: 28 Jun 2019 20:29

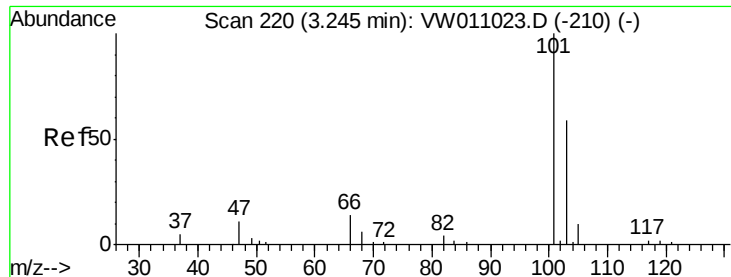
Tgt Ion: 64 Resp: 69839

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



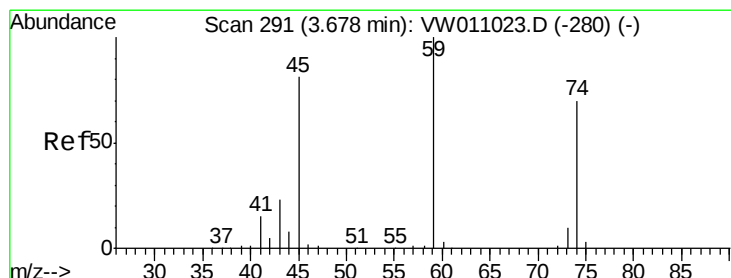
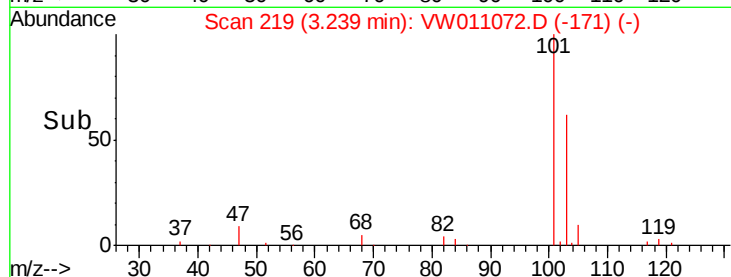
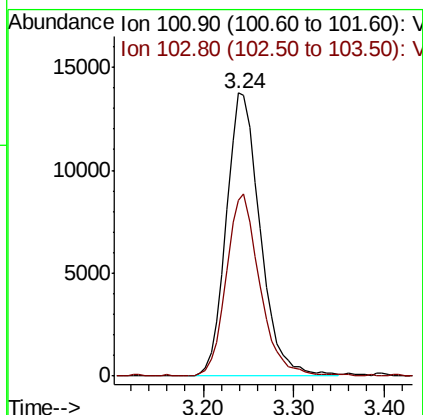
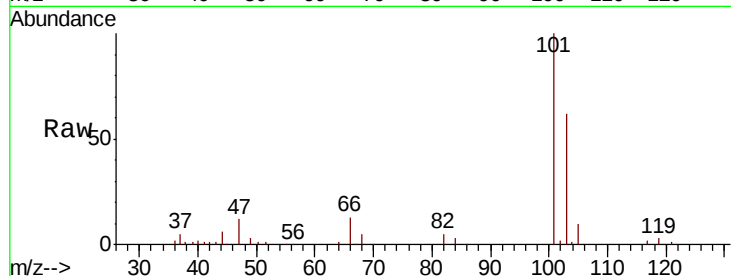


#7

Trichlorofluoromethane
Concen: 45.306 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

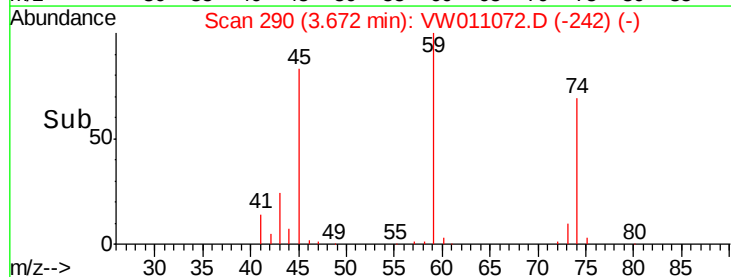
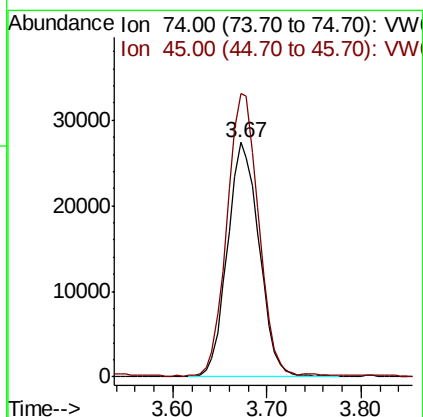
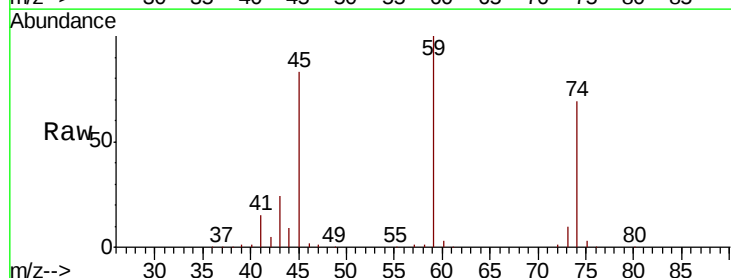
Tot Ion:101 Resp: 35690
Ion Ratio Lower Upper
101 100
103 62.2 47.5 71.3

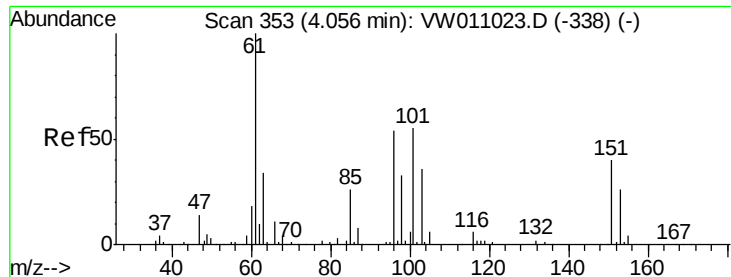


#8

Diethyl Ether
Concen: 51.447 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 74 Resp: 64184
Ion Ratio Lower Upper
74 100
45 120.8 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.262 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

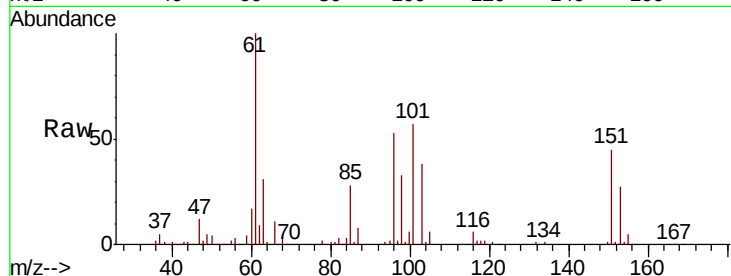
Tot Ion:101 Resp: 106925

Ion Ratio Lower Upper

101 100

85 46.1 36.6 55.0

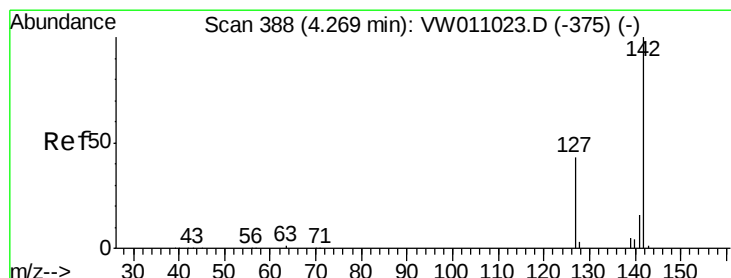
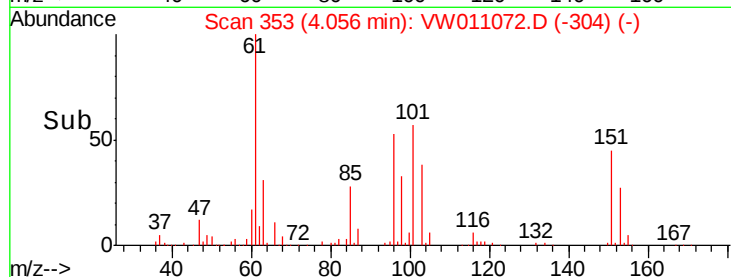
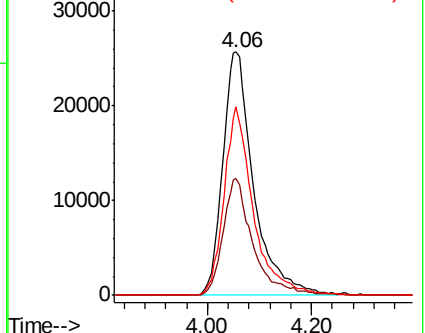
151 73.4 58.9 88.3



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: 49.613 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

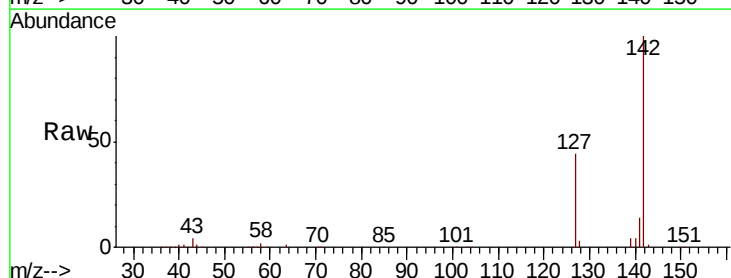
Tgt Ion:142 Resp: 153788

Ion Ratio Lower Upper

142 100

127 44.6 35.8 53.8

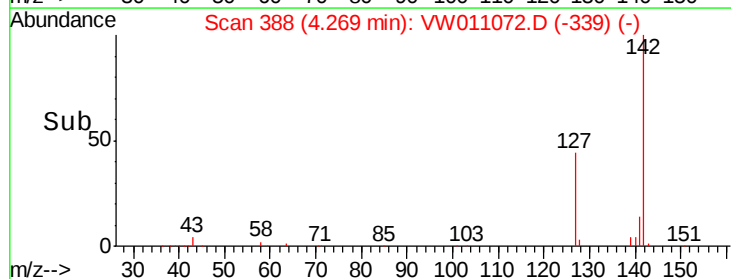
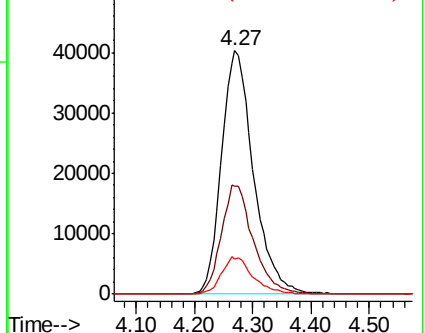
141 15.0 12.2 18.2

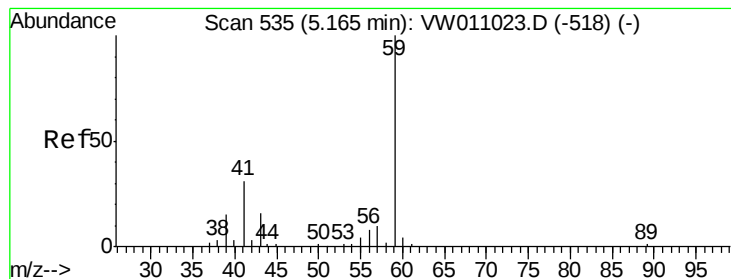


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



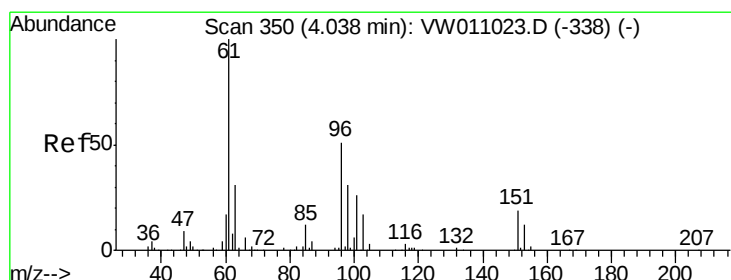
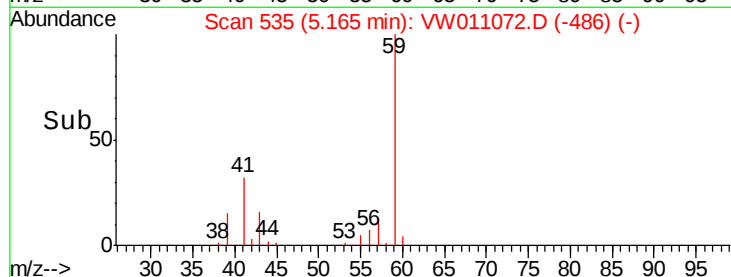
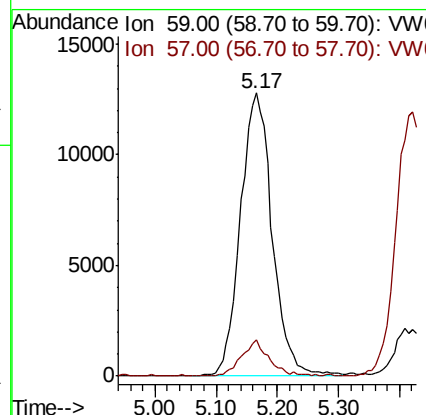
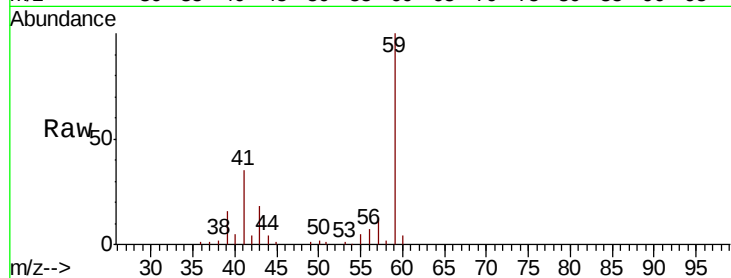


#11

Tert butyl alcohol
 Concen: 238.287 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

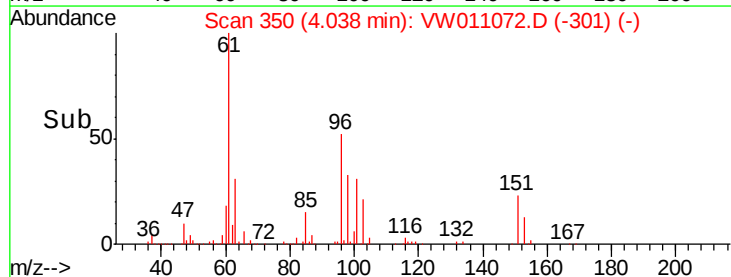
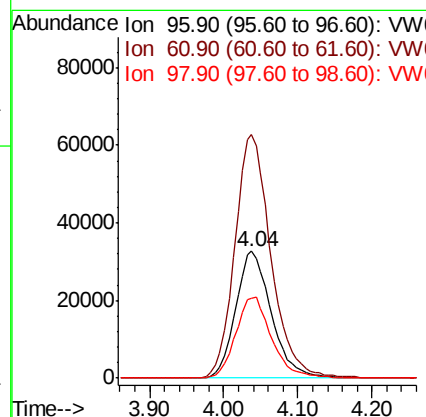
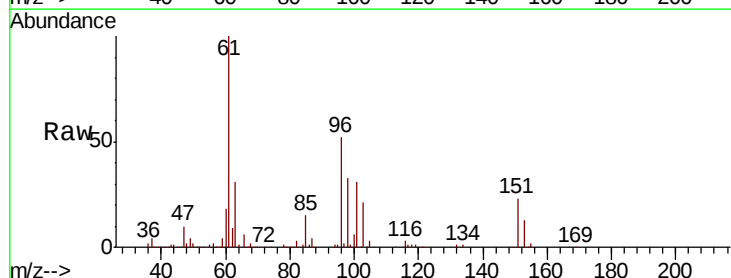
Tot Ion: 59 Resp: 46091
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

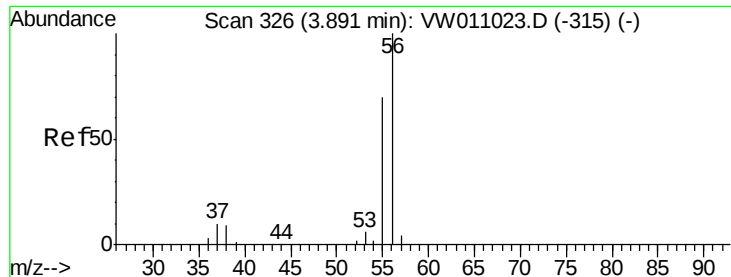


#12

1,1-Dichloroethene
 Concen: 47.470 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 96 Resp: 109471
 Ion Ratio Lower Upper
 96 100
 61 192.4 156.0 234.0
 98 62.6 48.7 73.1

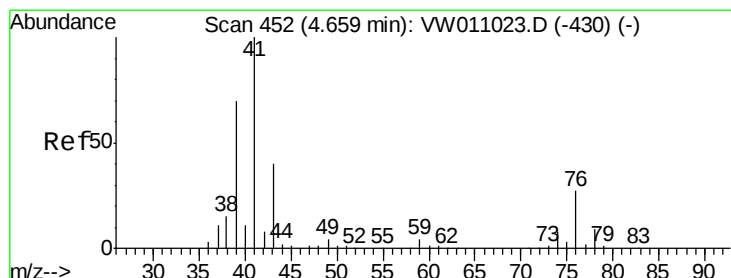
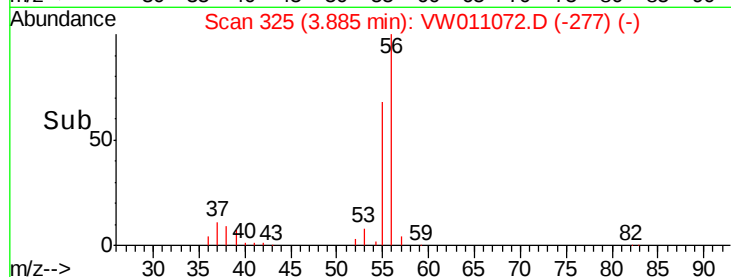
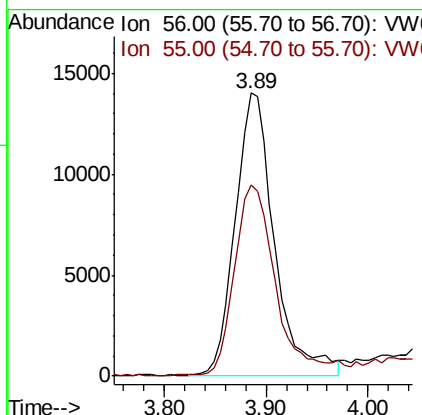
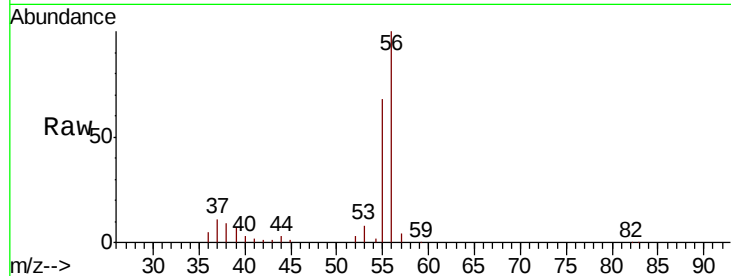




#13
 Acrolein
 Concen: 249.915 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

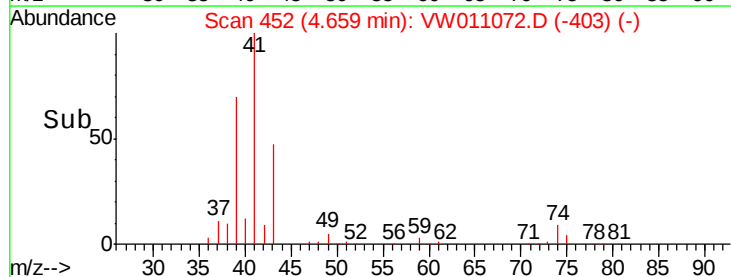
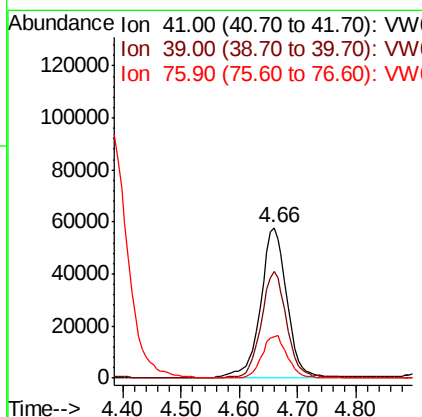
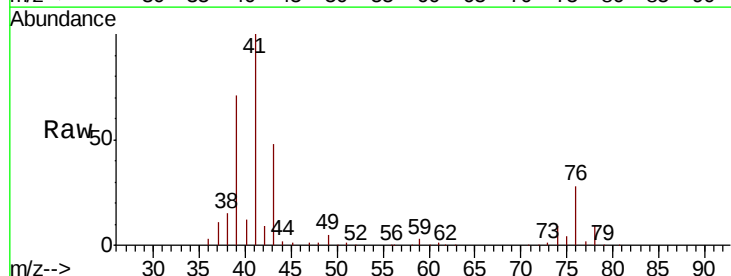
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

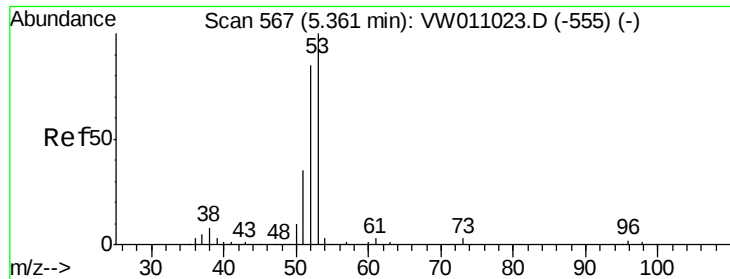
Tot Ion: 56 Resp: 37696
 Ion Ratio Lower Upper
 56 100
 55 70.5 55.7 83.5



#14
 Allyl chloride
 Concen: 49.170 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 41 Resp: 182501
 Ion Ratio Lower Upper
 41 100
 39 68.3 55.4 83.2
 76 27.1 22.0 33.0





#15

Acrylonitrile

Concen: 268.697 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

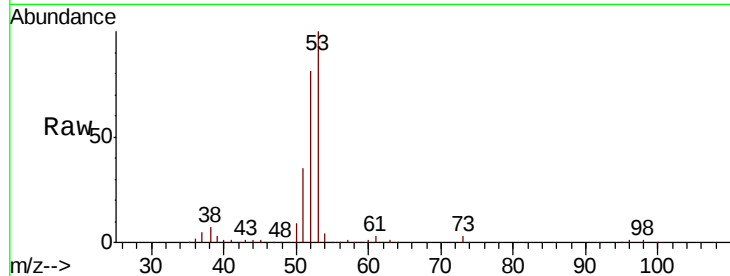
Tot Ion: 53 Resp: 165077

Ion Ratio Lower Upper

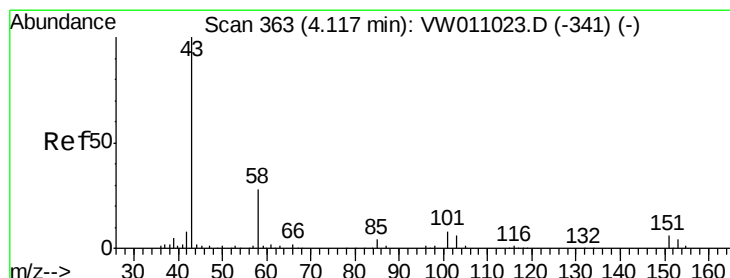
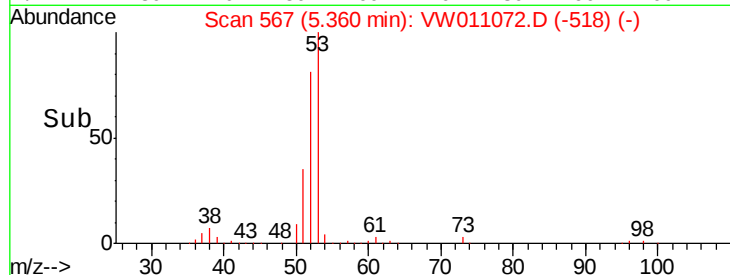
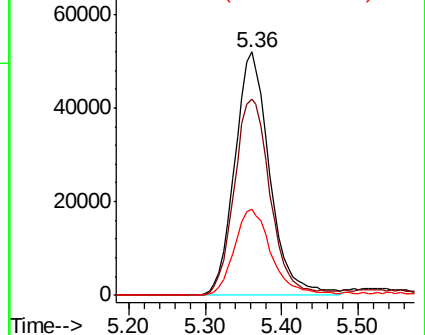
53 100

52 82.7 66.3 99.5

51 37.5 29.8 44.6



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



#16

Acetone

Concen: 268.163 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011072.D

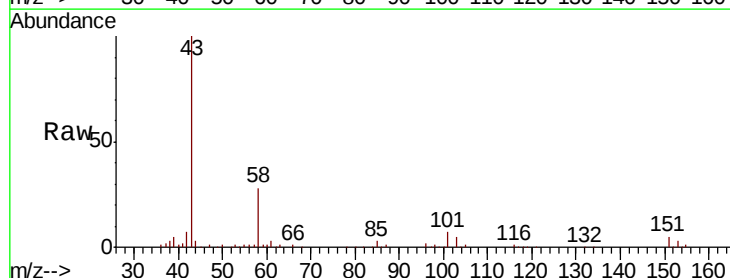
Acq: 28 Jun 2019 20:29

Tgt Ion: 43 Resp: 174329

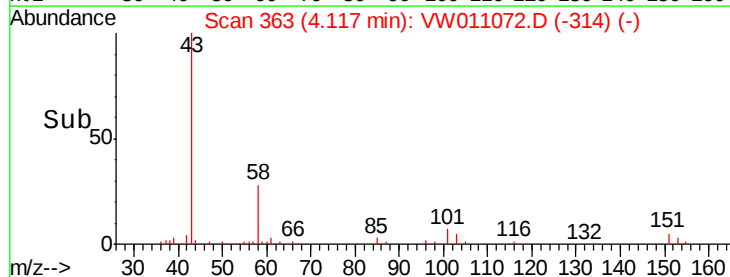
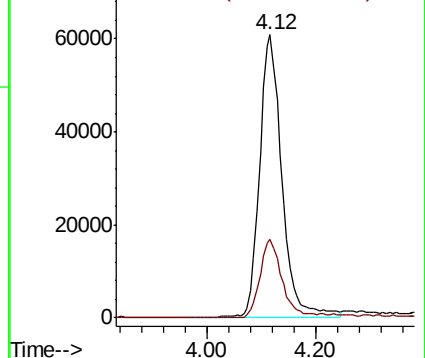
Ion Ratio Lower Upper

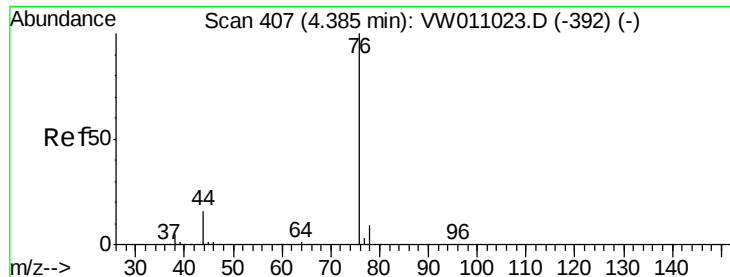
43 100

58 27.4 22.5 33.7



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

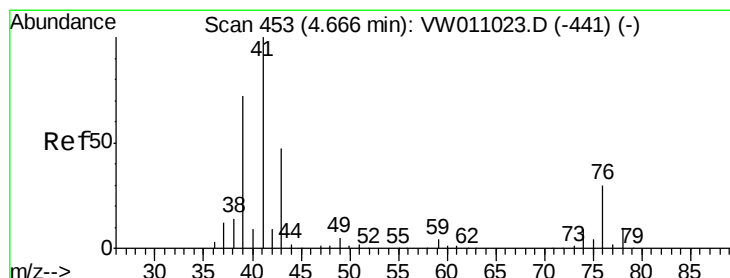
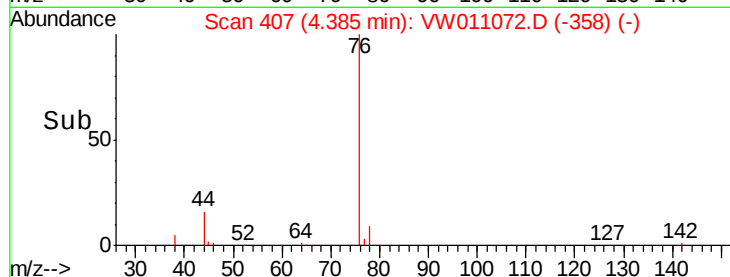
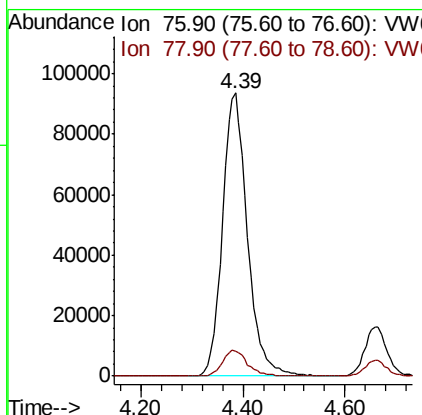
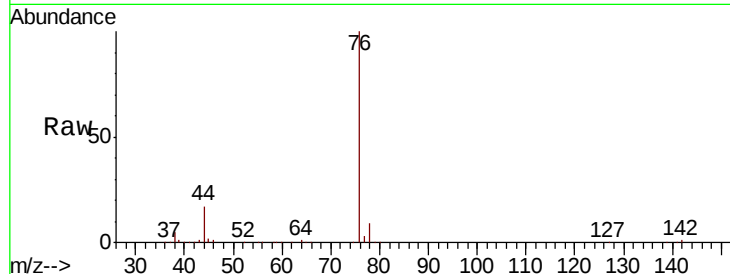




#17
Carbon Disulfide
Concen: 48.421 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

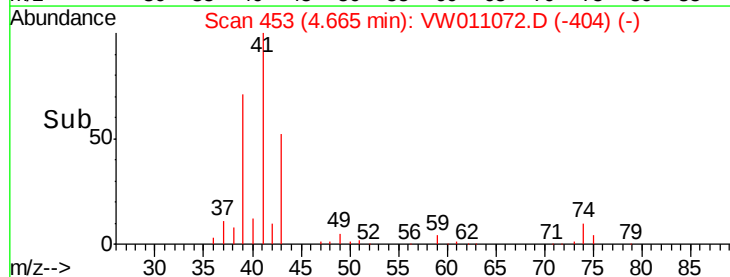
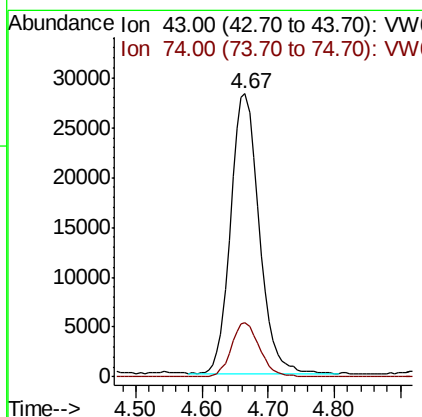
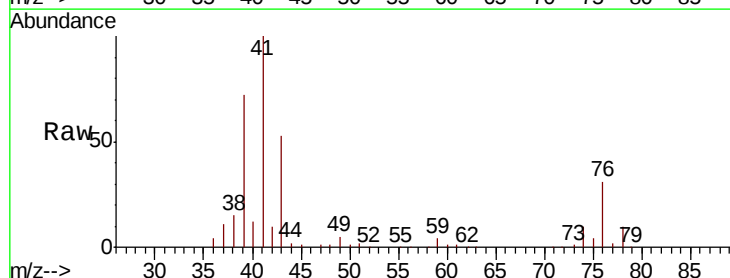
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

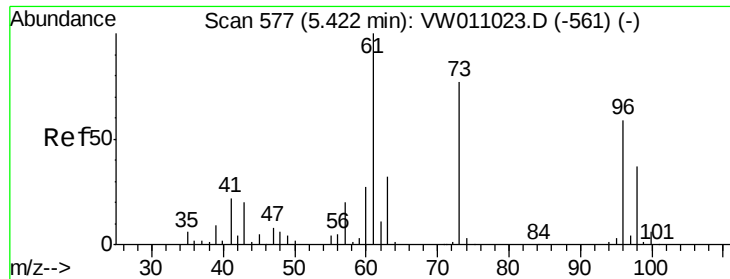
Tot Ion: 76 Resp: 316792
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 50.440 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 43 Resp: 84939
Ion Ratio Lower Upper
43 100
74 19.0 15.8 23.8

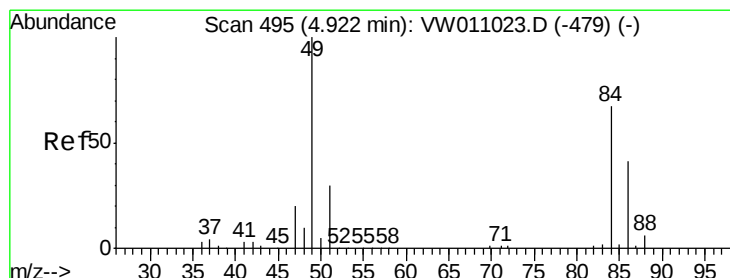
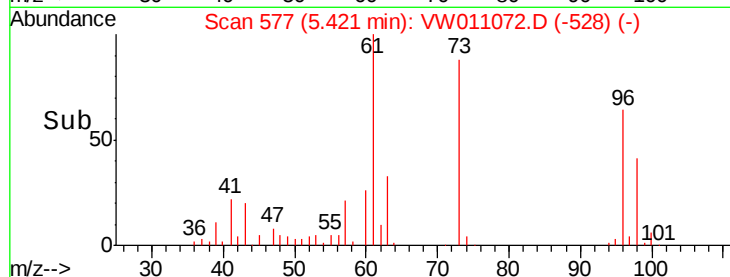
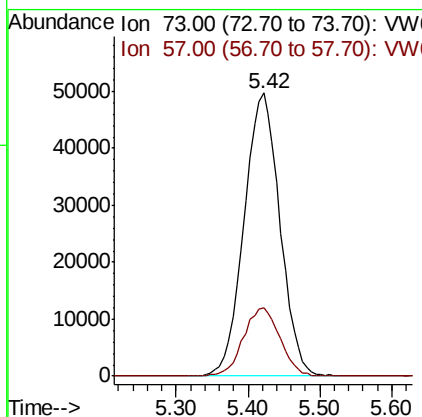
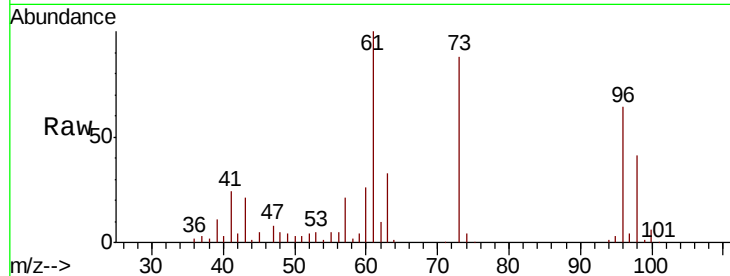




#19
Methyl tert-butyl Ether
Concen: 52.550 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

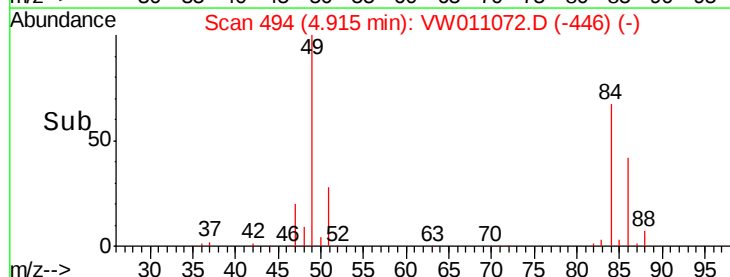
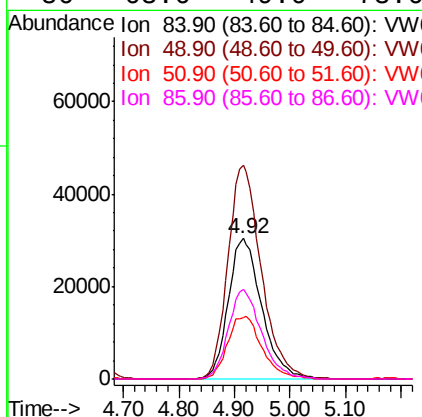
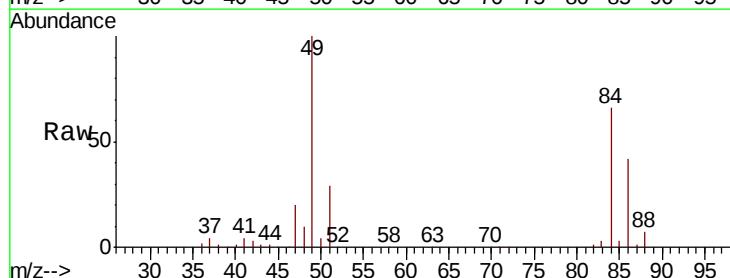
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

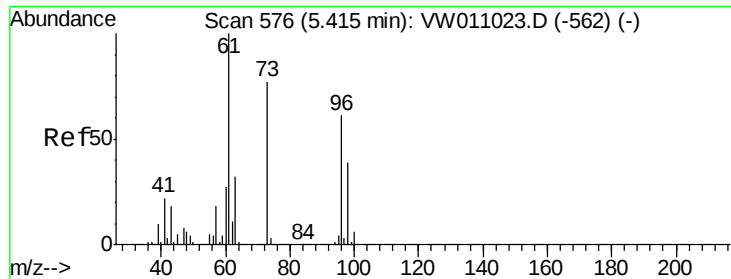
Tot Ion: 73 Resp: 171527
Ion Ratio Lower Upper
73 100
57 24.0 20.8 31.2



#20
Methylene Chloride
Concen: 47.834 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 84 Resp: 126343
Ion Ratio Lower Upper
84 100
49 151.7 119.6 179.4
51 43.4 35.6 53.4
86 63.6 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 49.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

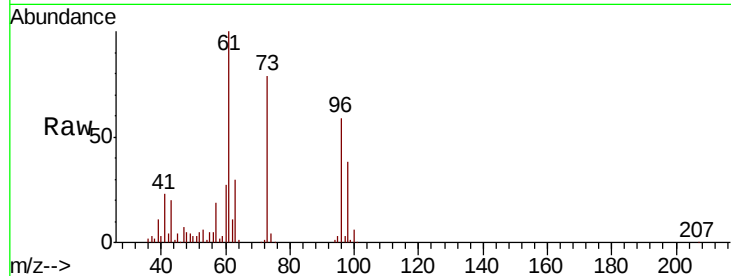
Tot Ion: 96 Resp: 118017

Ion Ratio Lower Upper

96 100

61 169.3 131.0 196.4

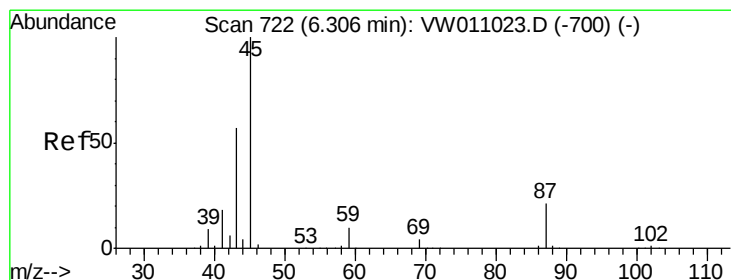
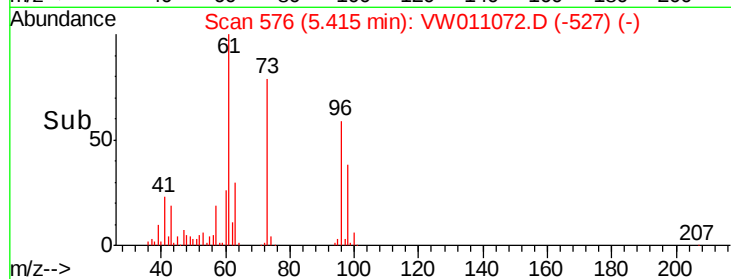
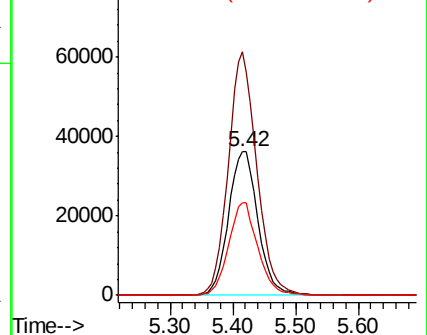
98 64.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.187 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Tgt Ion: 45 Resp: 466130

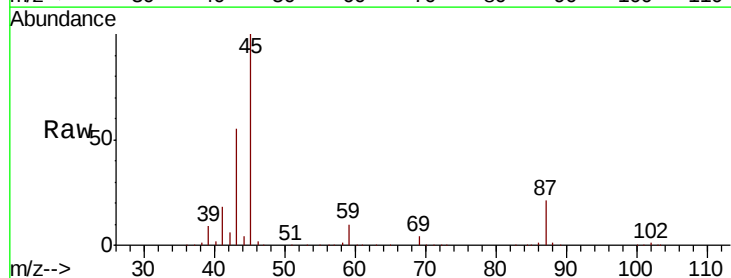
Ion Ratio Lower Upper

45 100

43 54.5 45.8 68.6

87 20.8 17.1 25.7

59 10.1 8.2 12.4

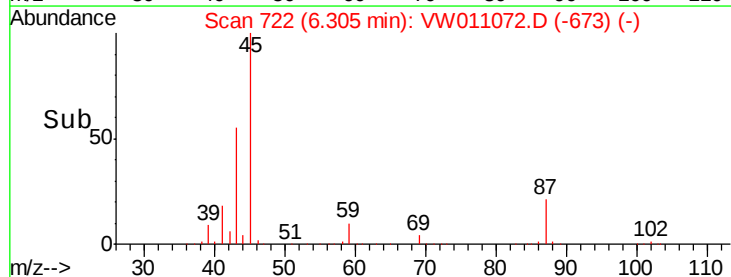
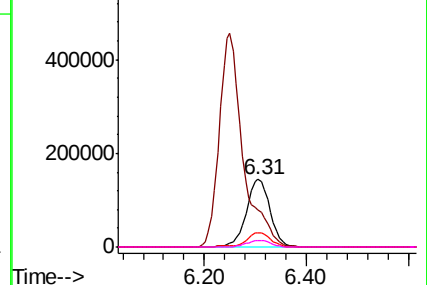


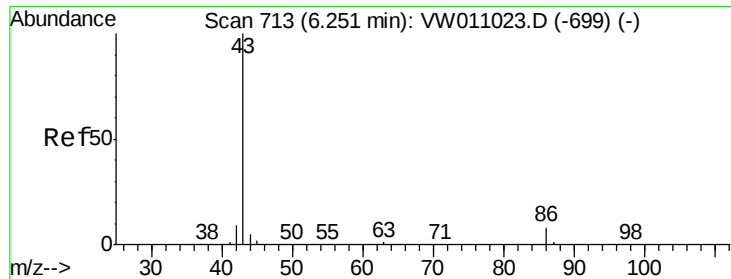
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 269.262 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

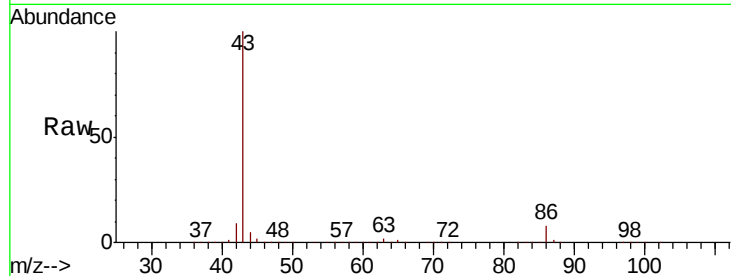
VSTDCCC050EC

Tot Ion: 43 Resp: 1481871

Ion Ratio Lower Upper

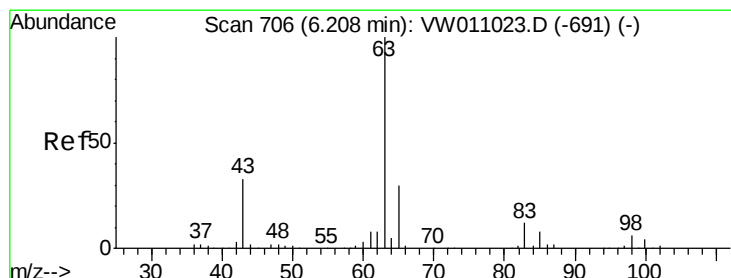
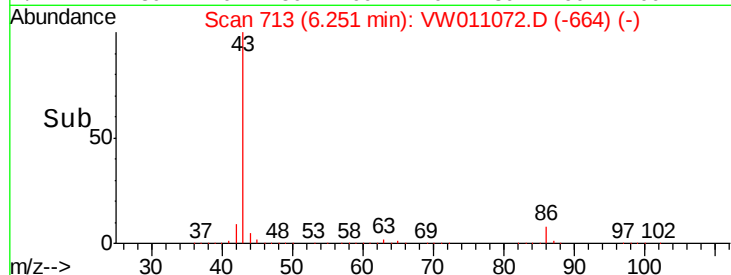
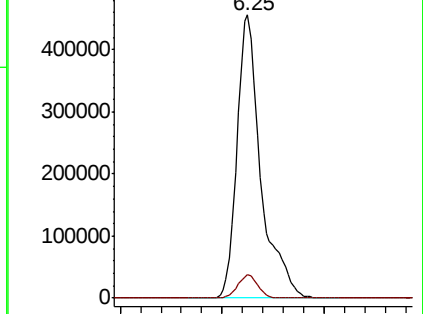
43 100

86 8.1 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.225 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

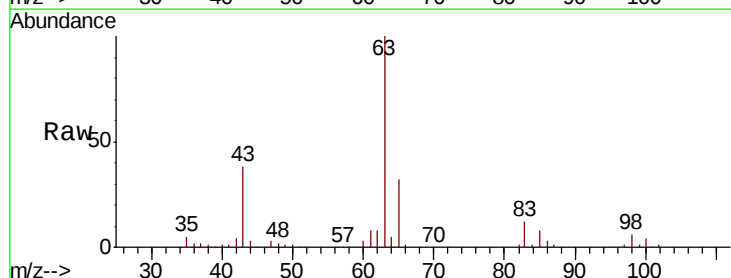
Tgt Ion: 63 Resp: 236796

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

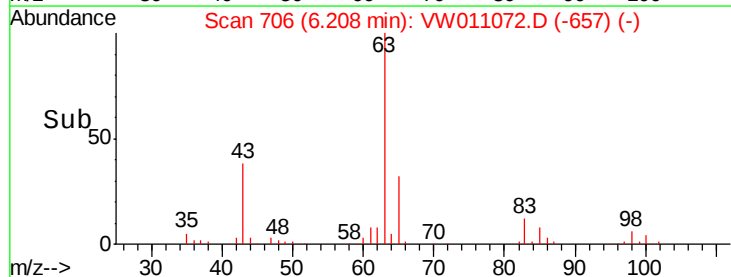
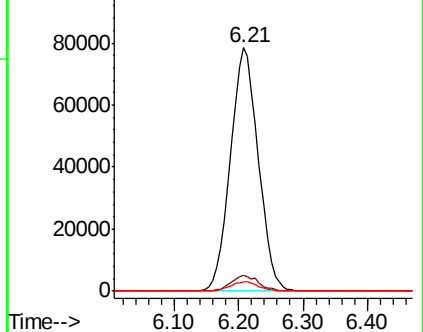
100 3.6 2.1 6.2

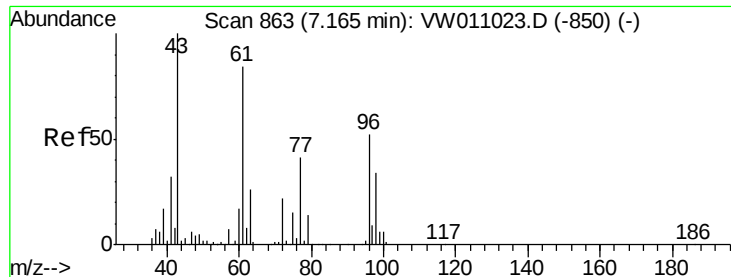


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 266.858 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

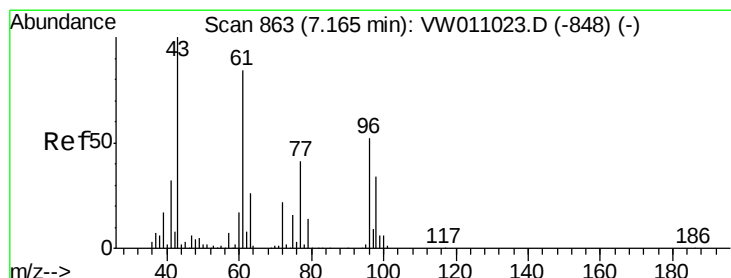
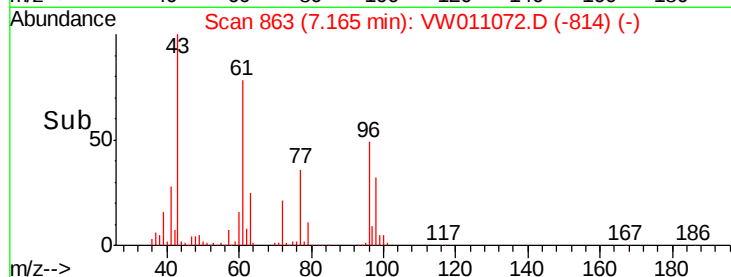
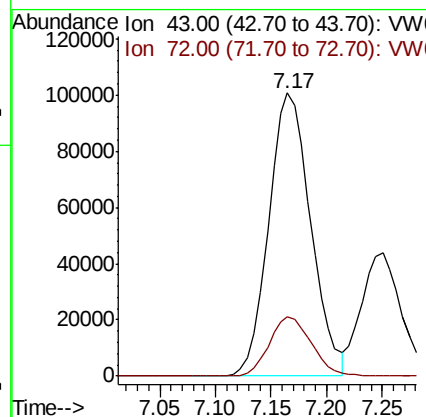
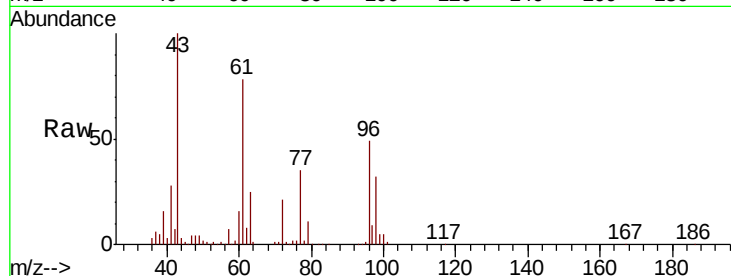
VSTDCCC050EC

Tot Ion: 43 Resp: 263697

Ion Ratio Lower Upper

43 100

72 20.9 17.2 25.8



#26

2,2-Dichloropropane

Concen: 42.065 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011072.D

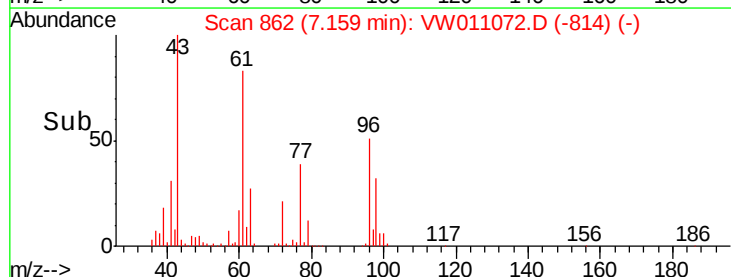
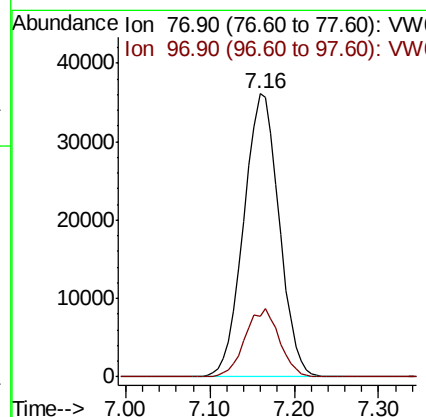
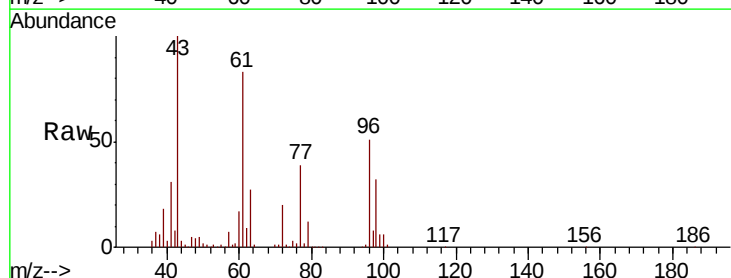
Acq: 28 Jun 2019 20:29

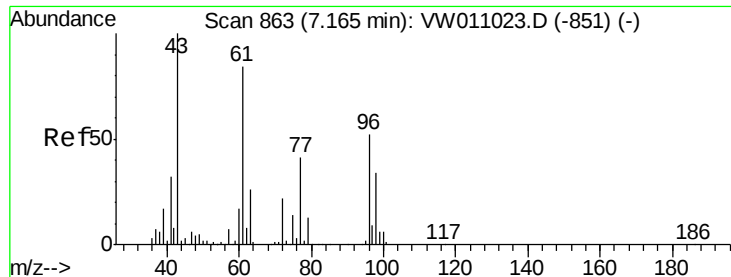
Tgt Ion: 77 Resp: 102970

Ion Ratio Lower Upper

77 100

97 23.3 10.9 32.7



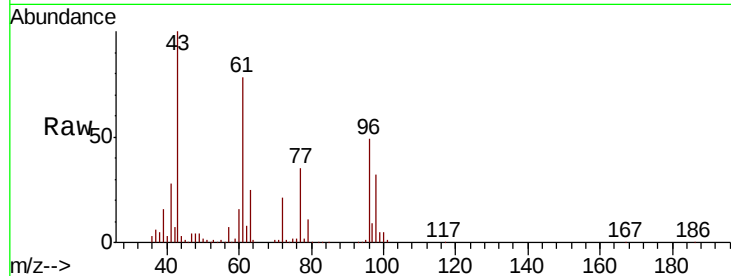


#27

cis-1,2-Dichloroethene
Concen: 50.604 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	96	Resp	129479
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	330.4
98	64.0	0.0	129.4

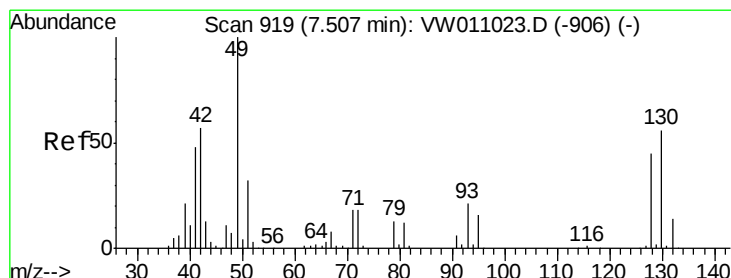
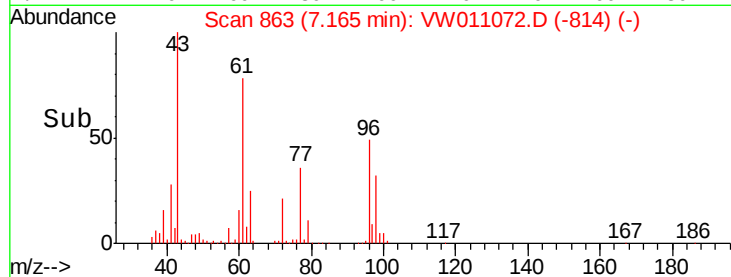
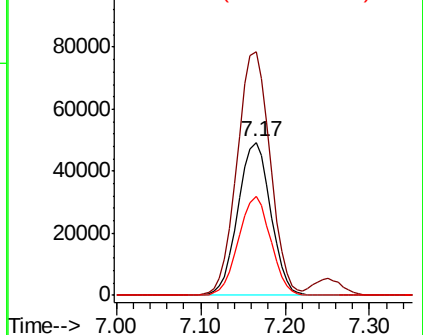


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

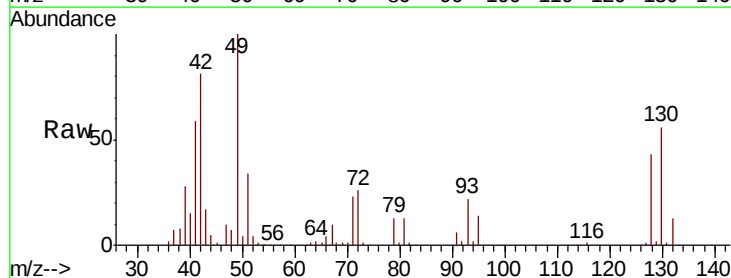
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 48.493 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion	49	Resp	106433
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	57.3	46.1	69.1

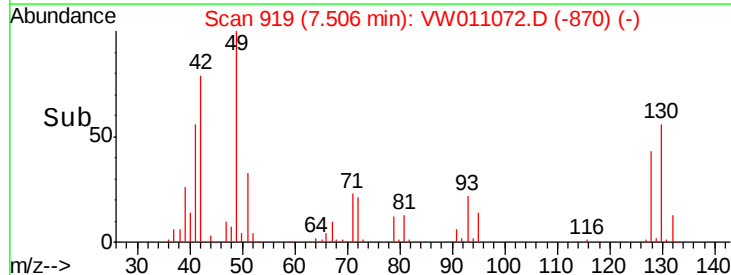
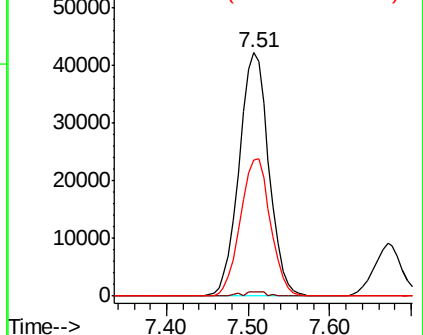


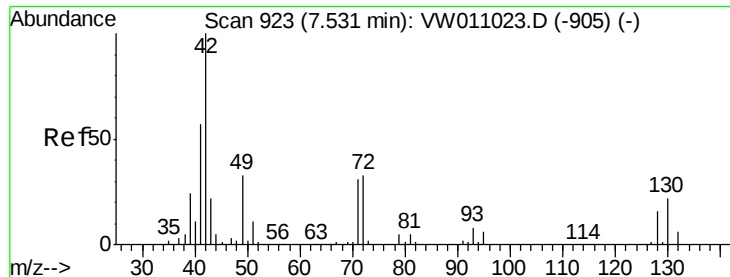
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

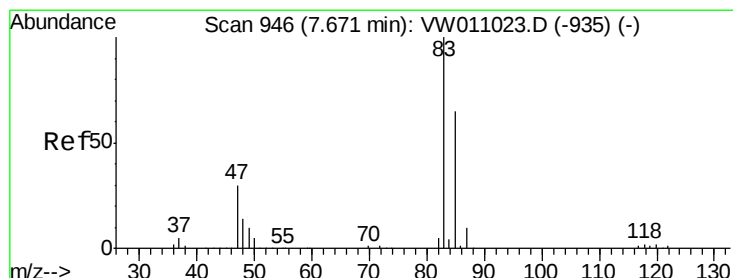
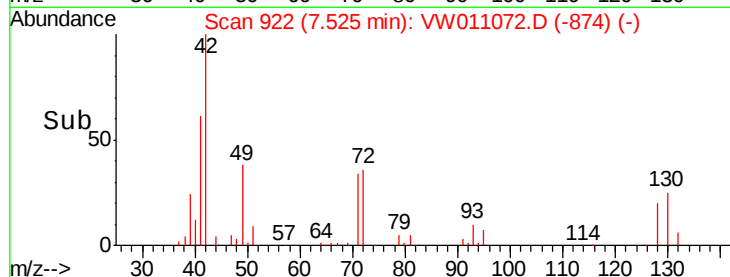
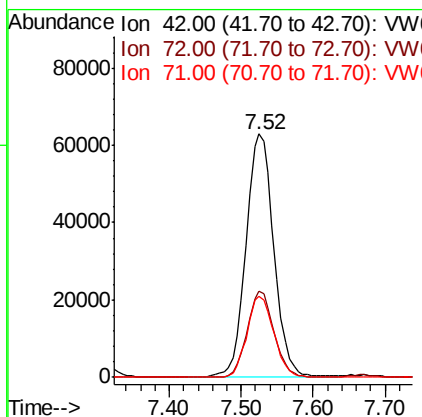
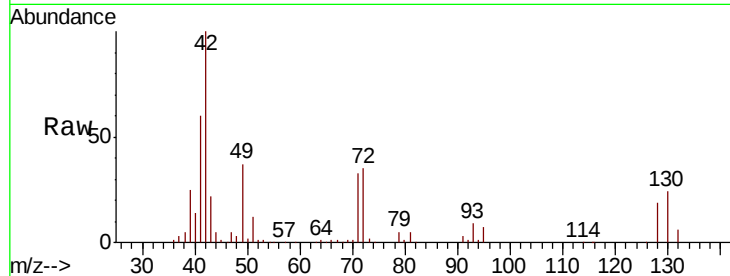




#29
Tetrahydrofuran
Concen: 273.425 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

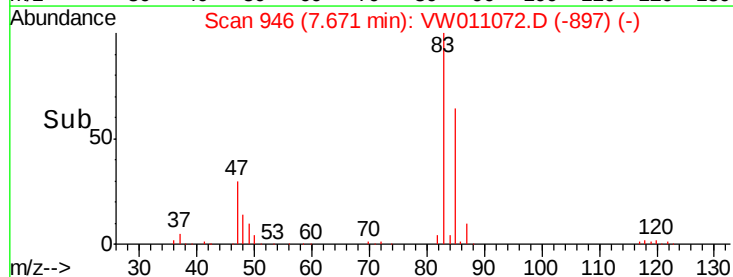
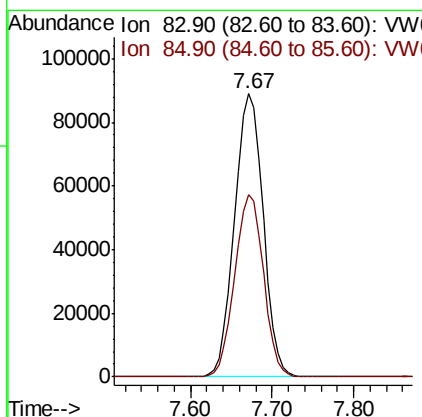
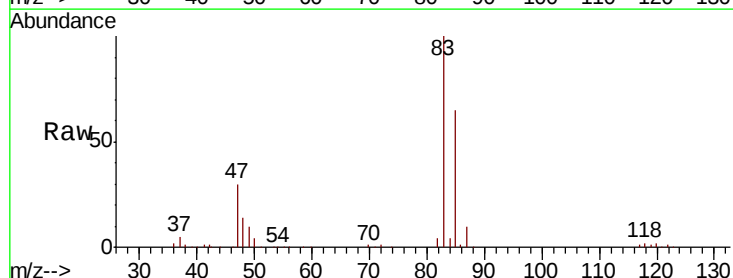
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

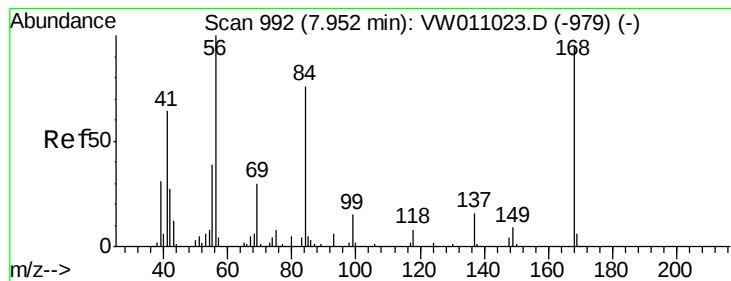
Tot Ion: 42 Resp: 168193
Ion Ratio Lower Upper
42 100
72 34.2 27.4 41.0
71 32.4 25.6 38.4



#30
Chloroform
Concen: 50.552 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 83 Resp: 216529
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4





#31

Cyclohexane

Concen: 46.184 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

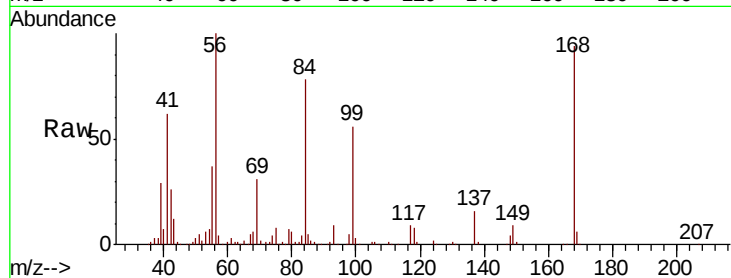
Tot Ion: 56 Resp: 235278

Ion Ratio Lower Upper

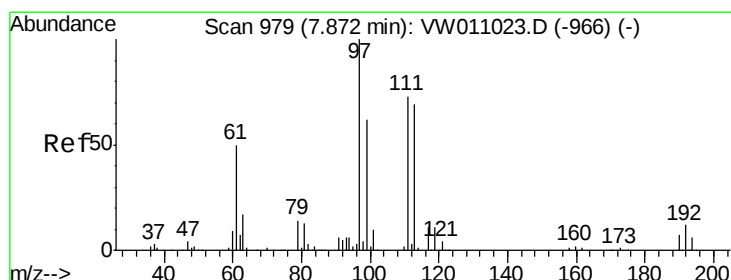
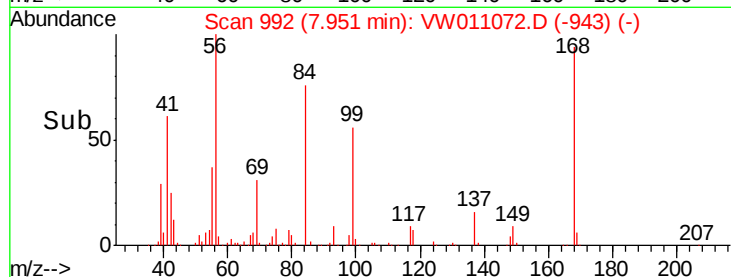
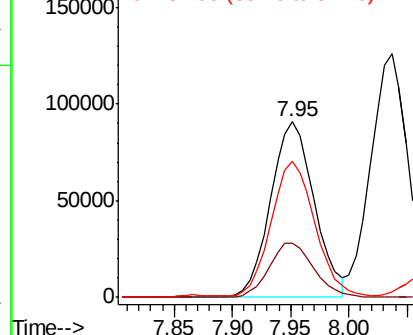
56 100

69 31.0 24.2 36.2

84 76.3 60.6 90.8



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: 49.586 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

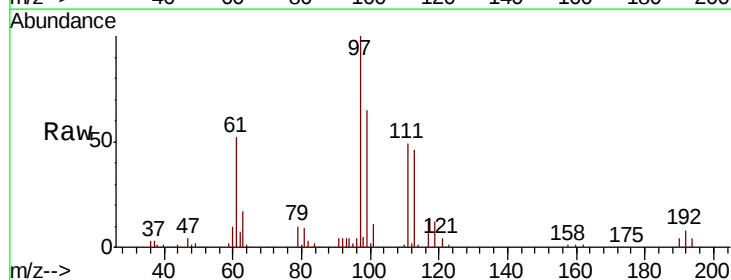
Tgt Ion: 97 Resp: 158709

Ion Ratio Lower Upper

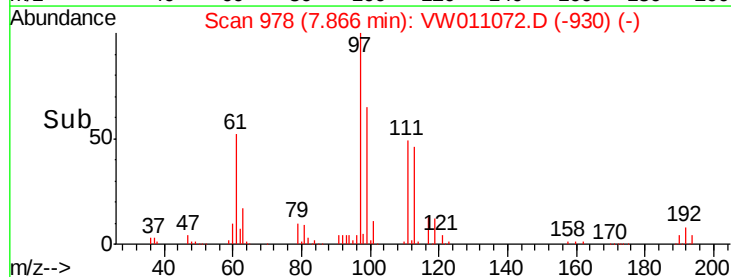
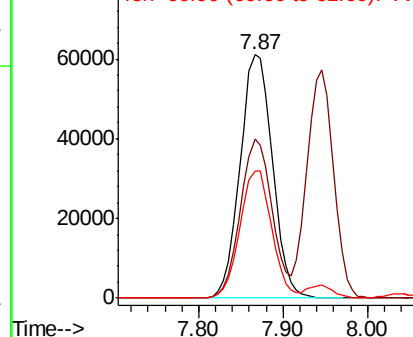
97 100

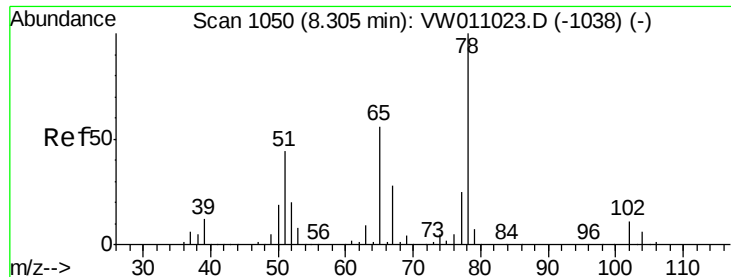
99 64.6 51.1 76.7

61 51.3 41.4 62.2



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

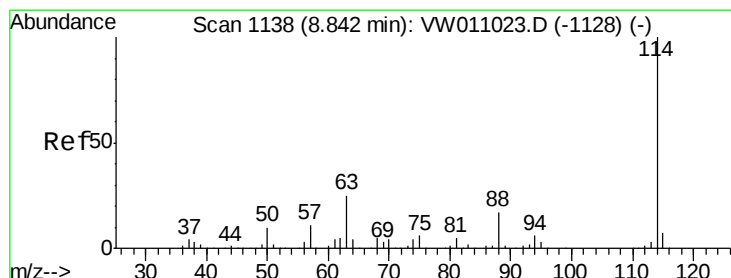
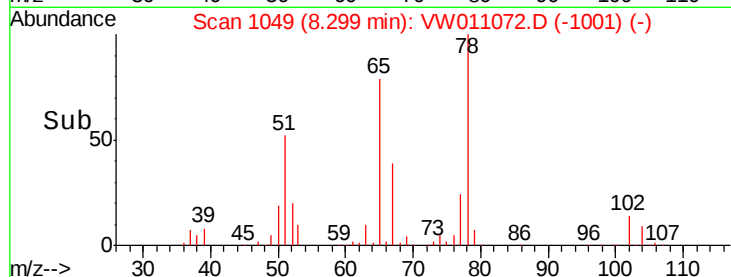
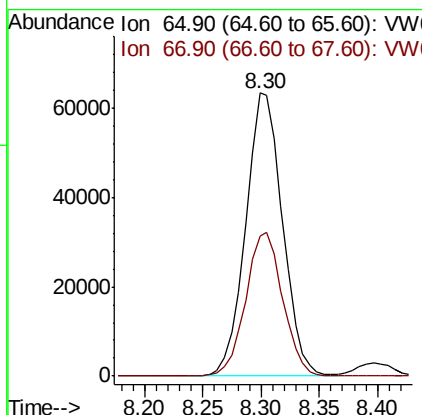
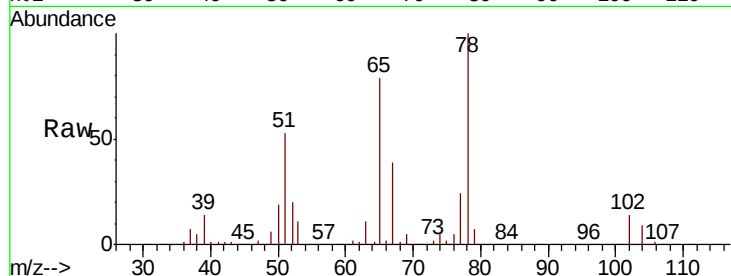




#33
 1,2-Dichloroethane-d4
 Concen: 52.187 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

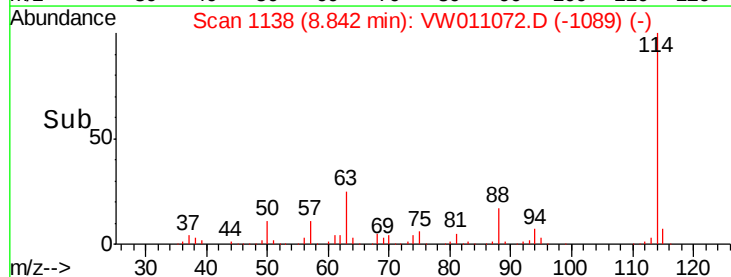
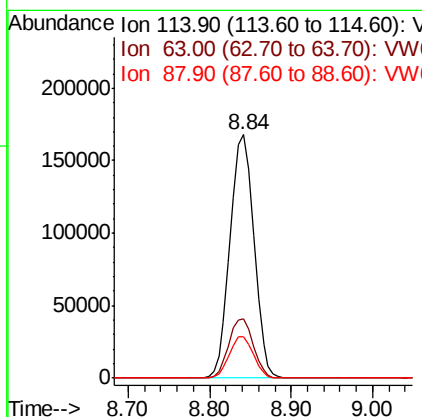
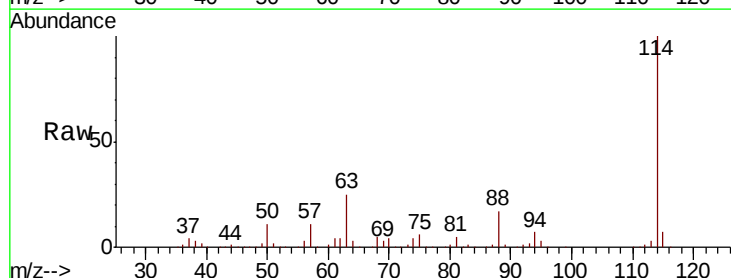
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

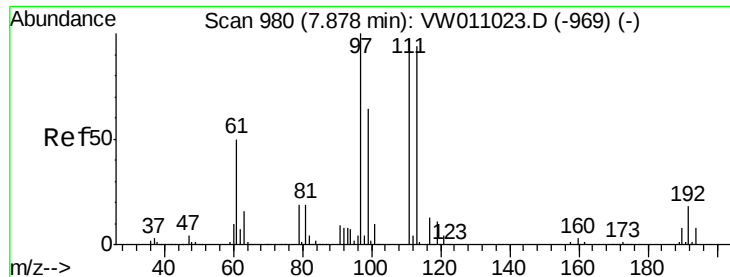
Tot Ion: 65 Resp: 138986
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 114 Resp: 339235
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.6
 88 16.9 0.0 34.0

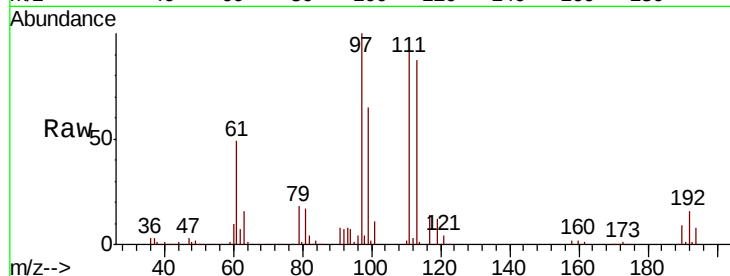




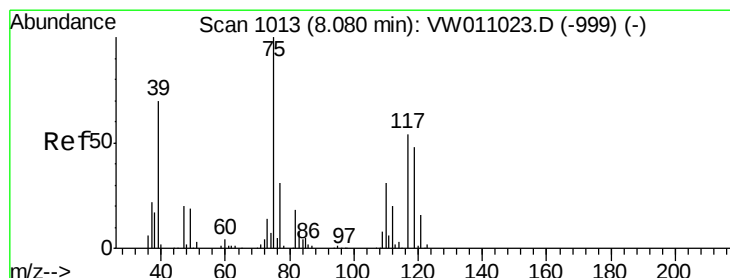
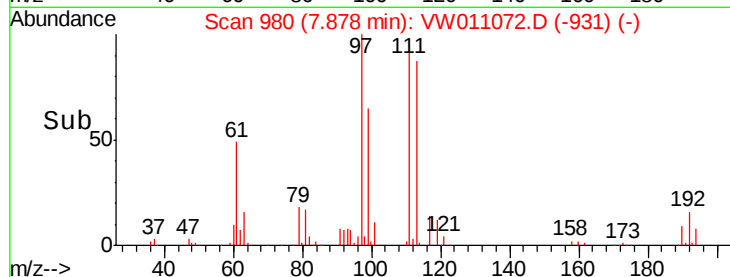
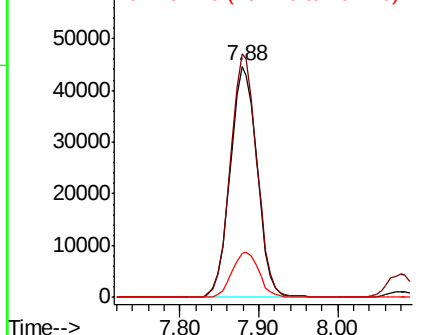
#35
 Dibromofluoromethane
 Concen: 51.059 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.8	125.6
192	19.6	16.0	24.0

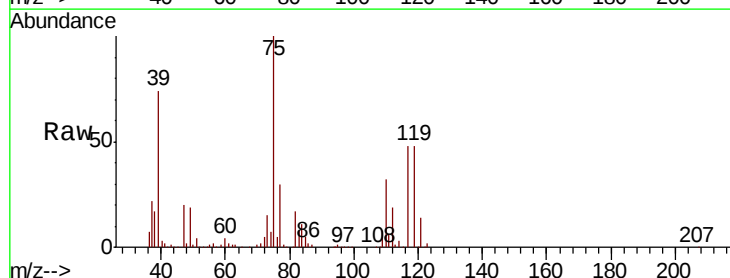


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

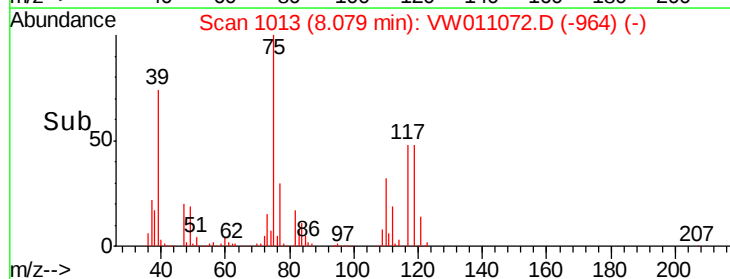
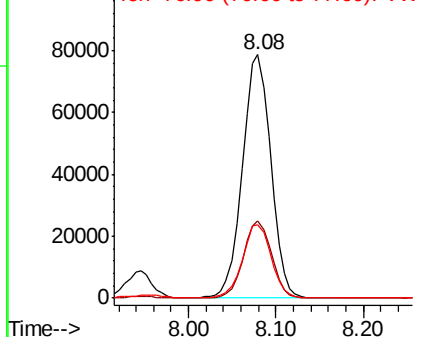


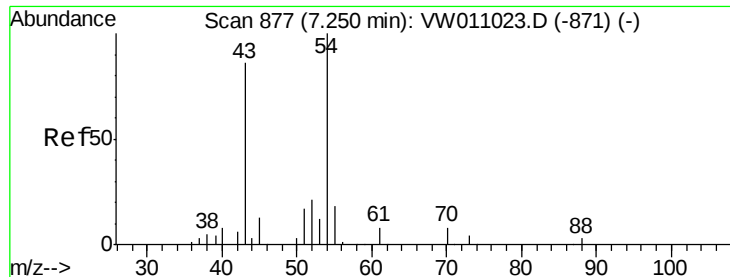
#36
 1,1-Dichloropropene
 Concen: 48.614 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.5	46.5
77	30.7	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

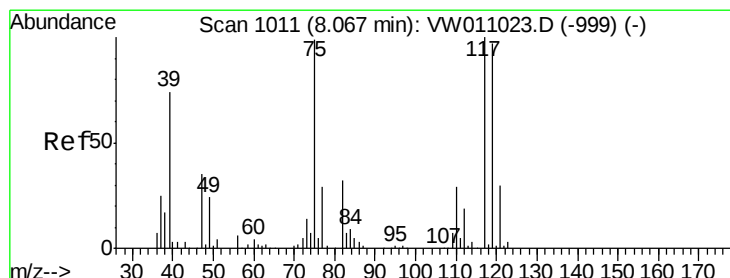
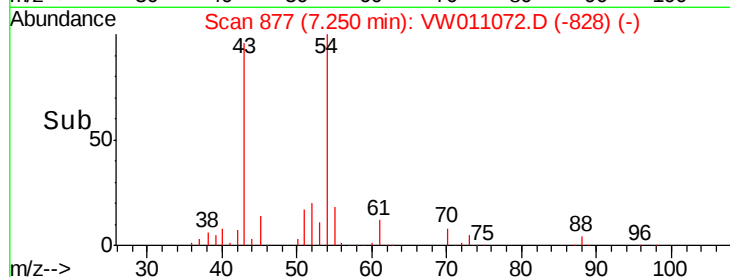
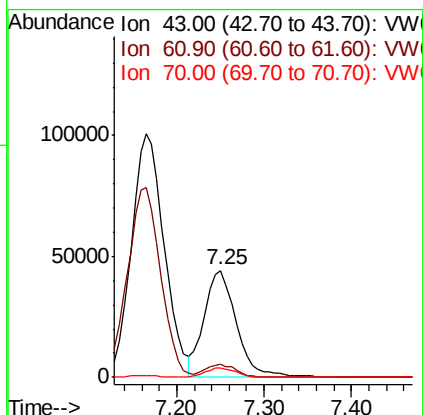
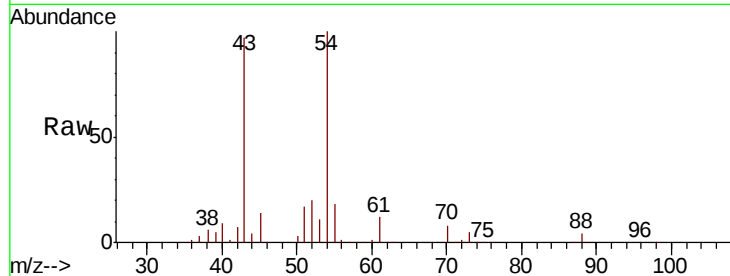




#37
Ethyl Acetate
Concen: 52.779 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

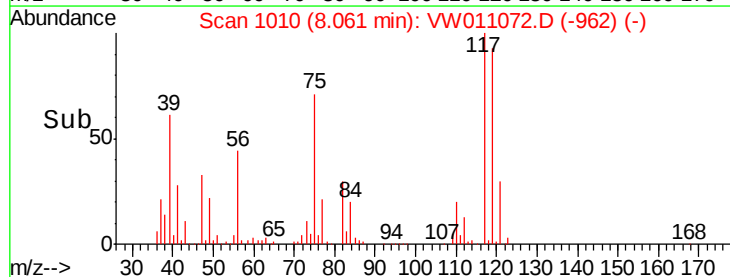
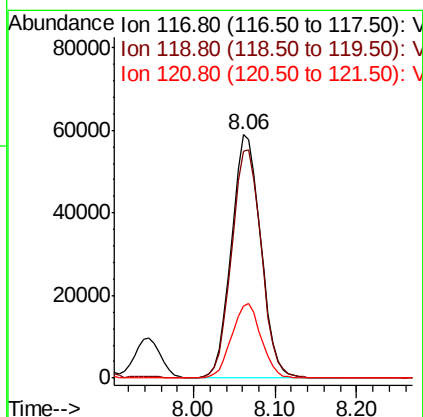
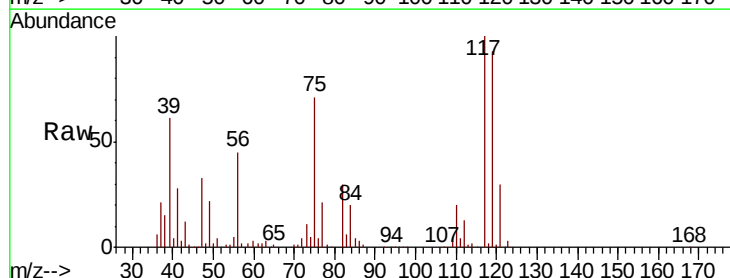
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

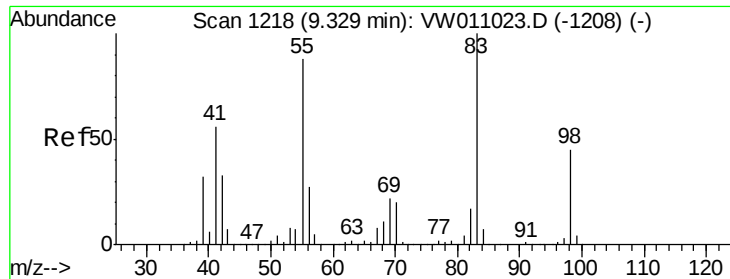
Tot Ion: 43 Resp: 111952
Ion Ratio Lower Upper
43 100
61 12.0 9.0 13.4
70 8.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.710 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 117 Resp: 146261
Ion Ratio Lower Upper
117 100
119 93.4 77.7 116.5
121 29.6 23.9 35.9

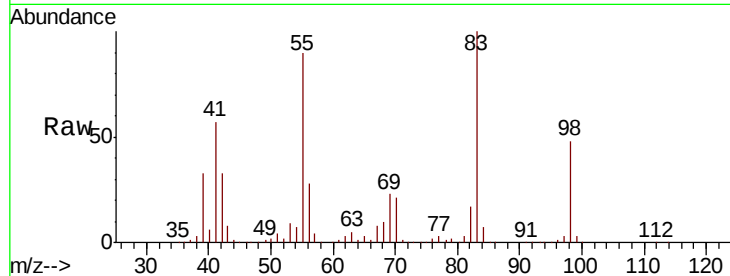




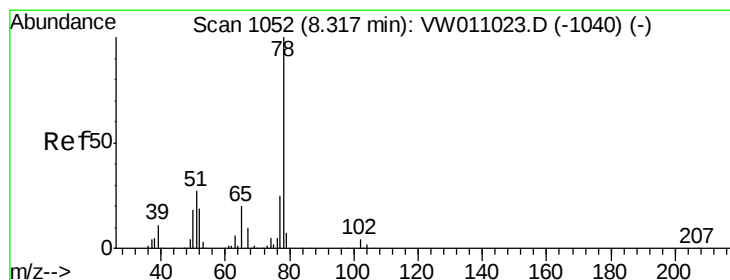
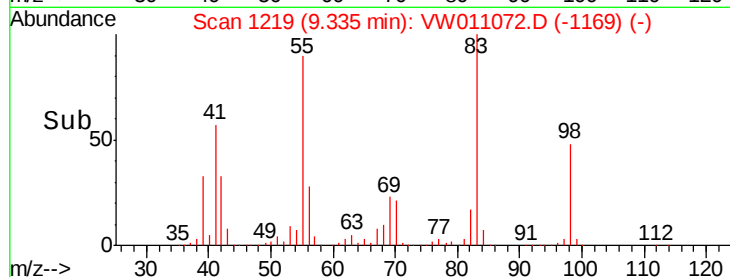
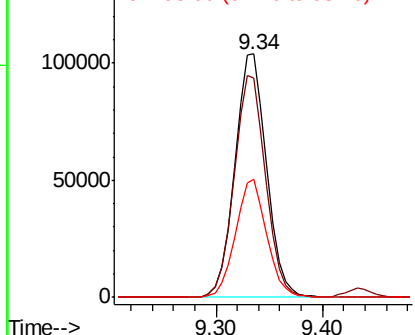
#39
Methvlcvclohexane
Concen: 48.366 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 217029
Ion Ratio Lower Upper
83 100
55 90.1 70.7 106.1
98 48.4 36.4 54.6

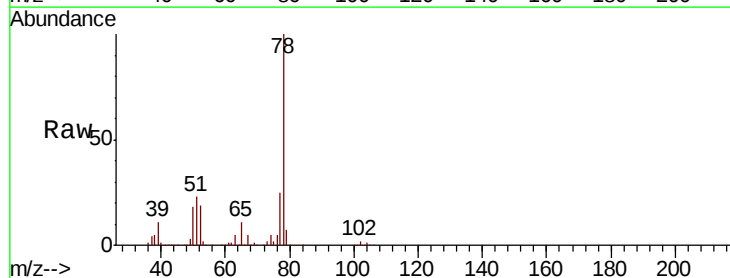


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

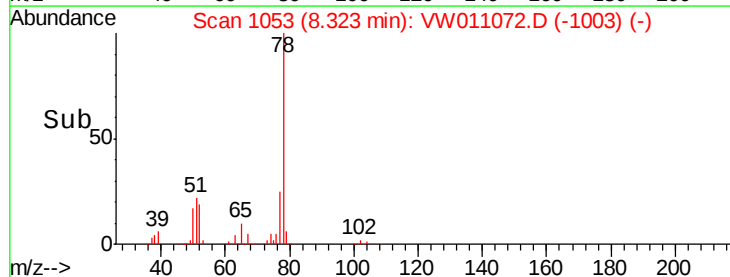
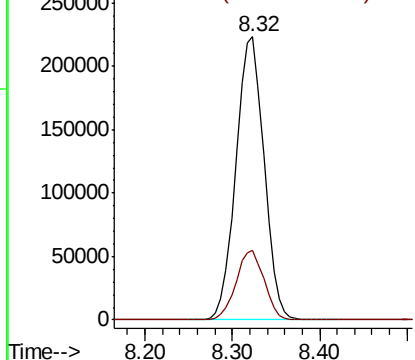


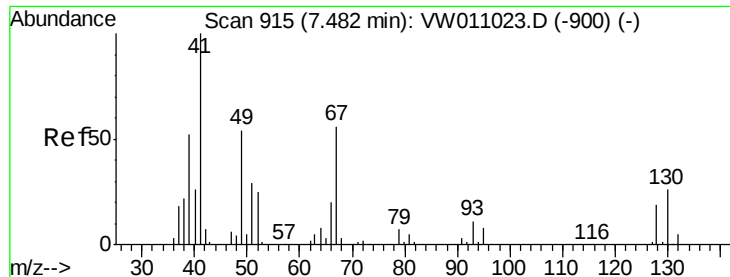
#40
Benzene
Concen: 49.866 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 78 Resp: 500087
Ion Ratio Lower Upper
78 100
77 24.7 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 54.369 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70163

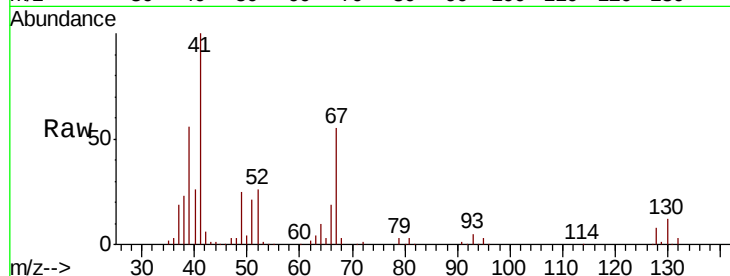
Ion Ratio Lower Upper

41 100

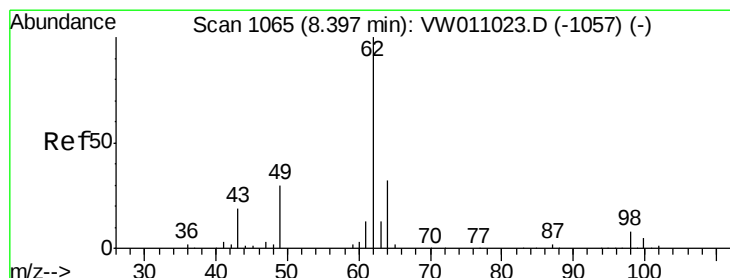
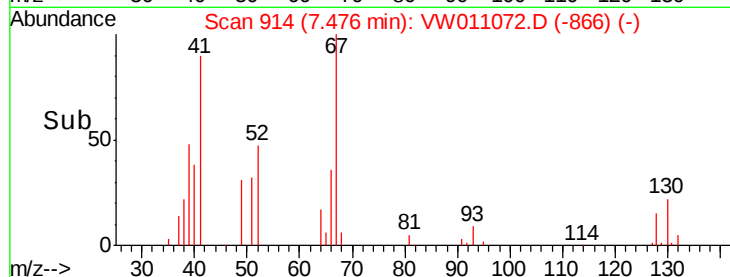
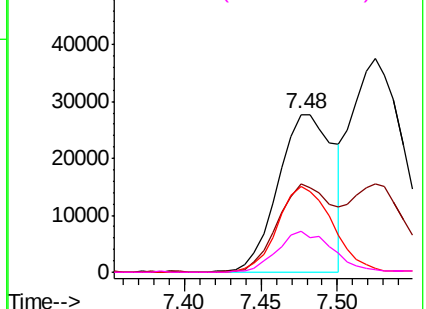
39 54.2 42.1 63.1

67 54.2 44.2 66.2

52 26.4 21.0 31.6



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: 51.105 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011072.D

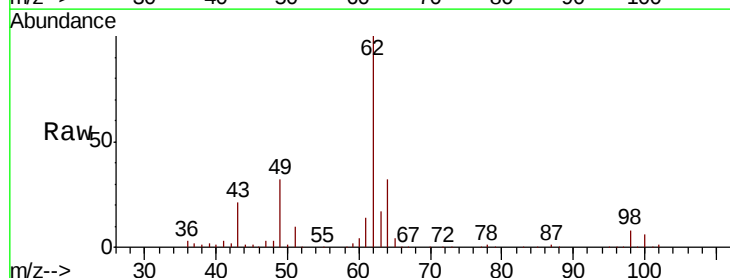
Acq: 28 Jun 2019 20:29

Tgt Ion: 62 Resp: 168042

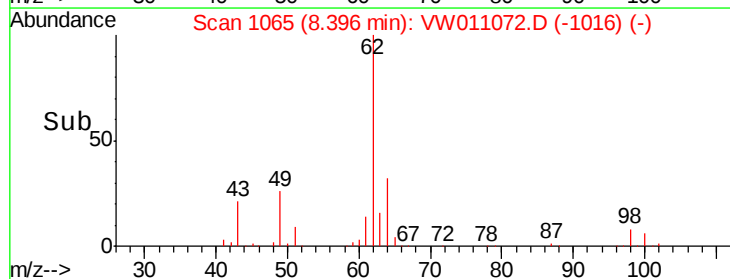
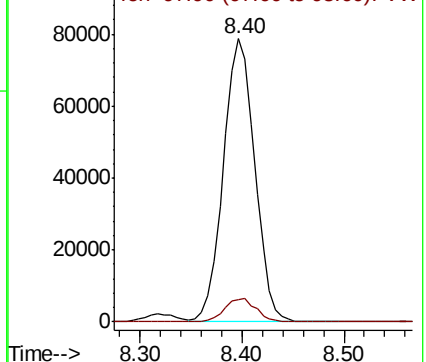
Ion Ratio Lower Upper

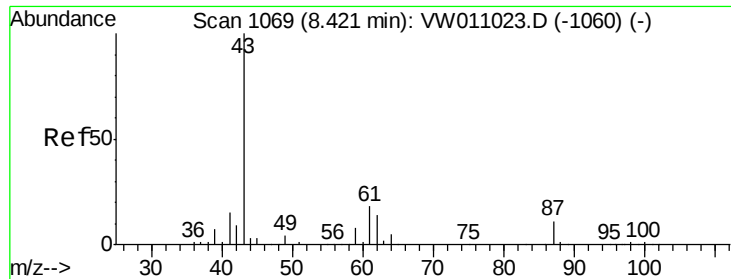
62 100

98 8.4 0.0 16.8



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





#43

Isopropyl Acetate

Concen: 53.389 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

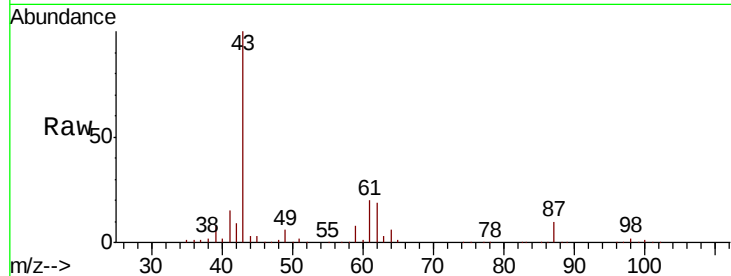
Tot Ion: 43 Resp: 214231

Ion Ratio Lower Upper

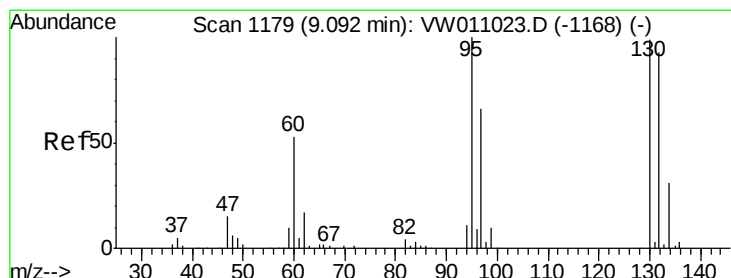
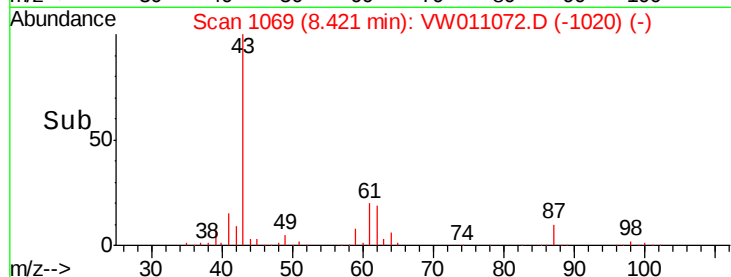
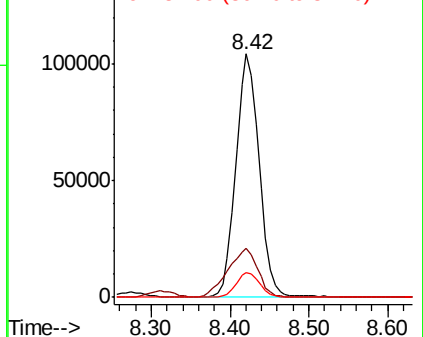
43 100

61 26.0 21.0 31.6

87 10.3 8.2 12.4



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: 49.416 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011072.D

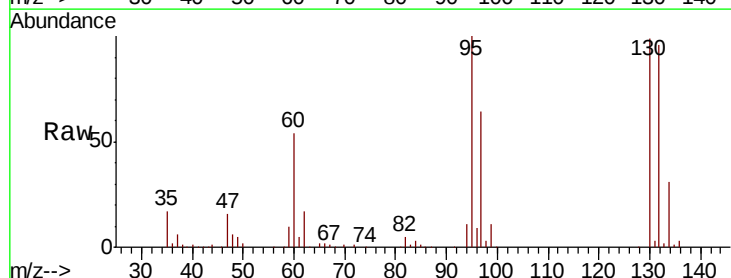
Acq: 28 Jun 2019 20:29

Tgt Ion:130 Resp: 119768

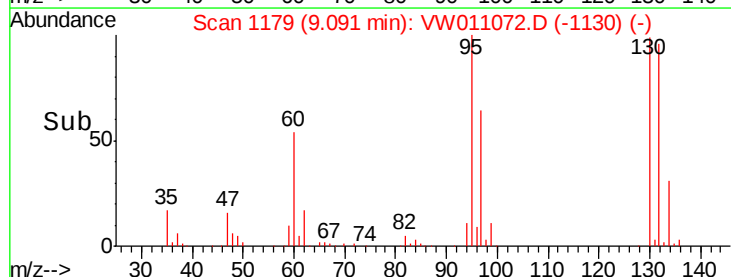
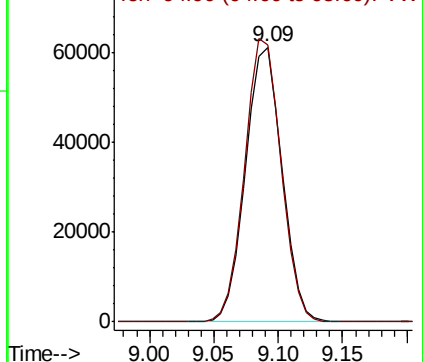
Ion Ratio Lower Upper

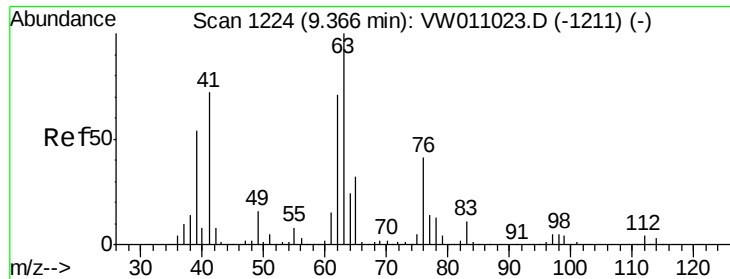
130 100

95 100.8 0.0 202.0



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

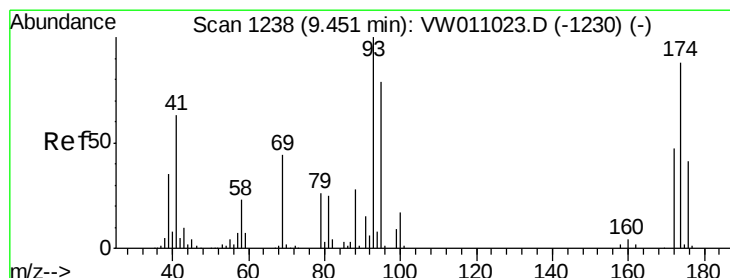
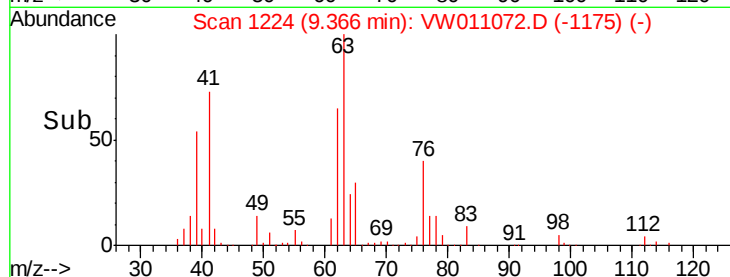
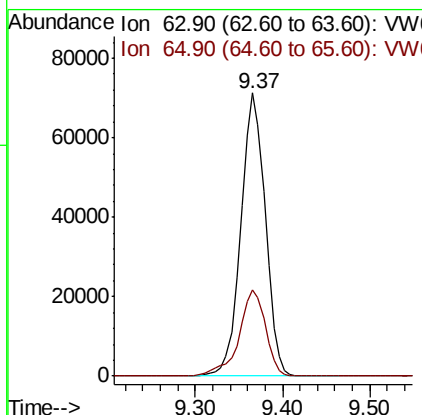
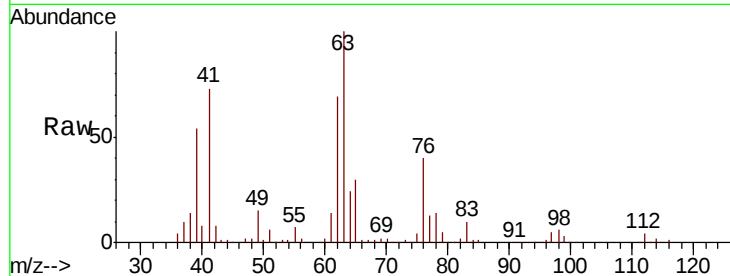




#45
 1,2-Dichloropropane
 Concen: 50.783 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

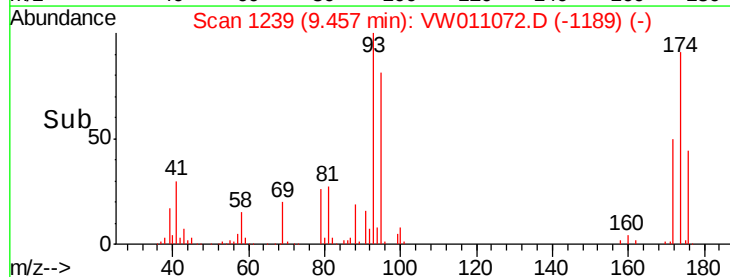
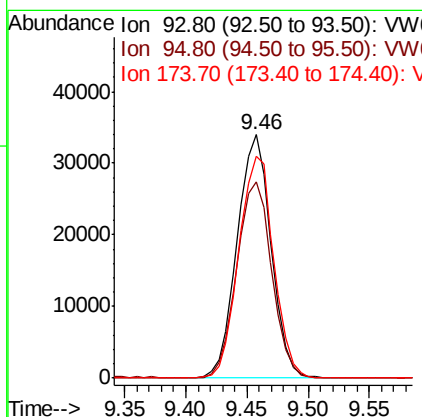
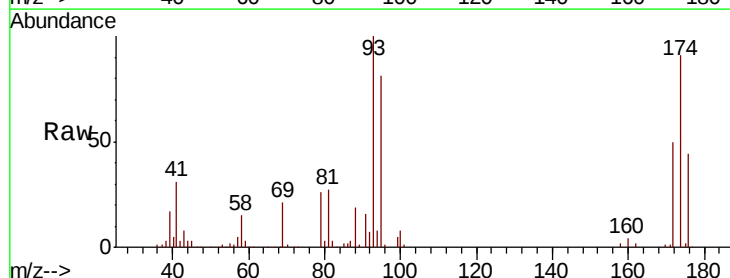
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

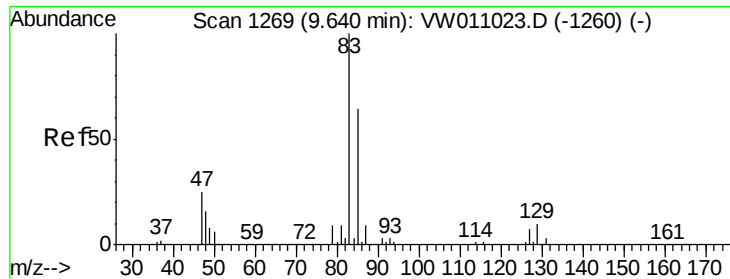
Tot Ion: 63 Resp: 138298
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.6 38.4



#46
 Dibromomethane
 Concen: 51.334 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 93 Resp: 65382
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.8 98.6
 174 93.9 75.4 113.0





#47

Bromodichloromethane

Concen: 51.959 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

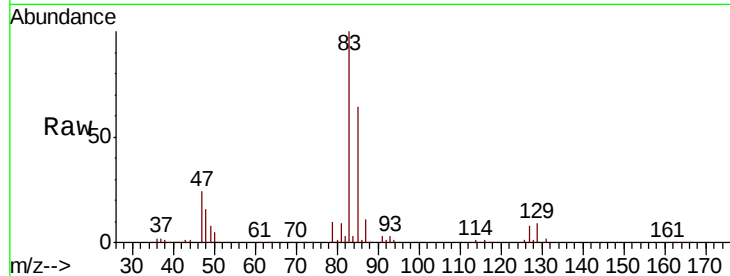
Tot Ion: 83 Resp: 163847

Ion Ratio Lower Upper

83 100

85 64.4 51.0 76.4

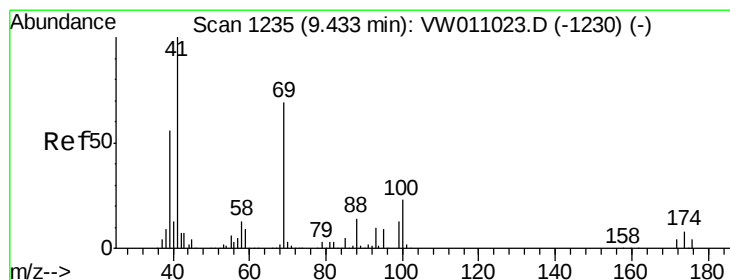
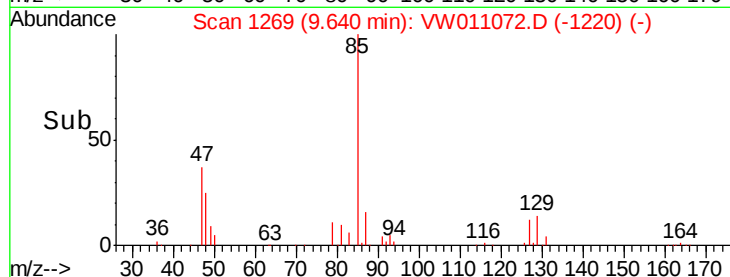
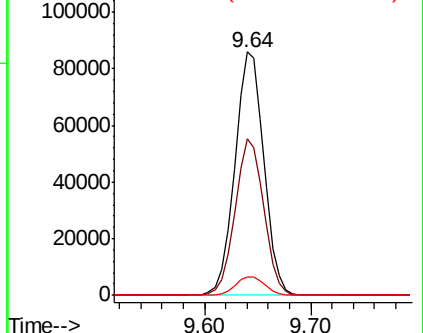
127 7.5 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 53.150 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

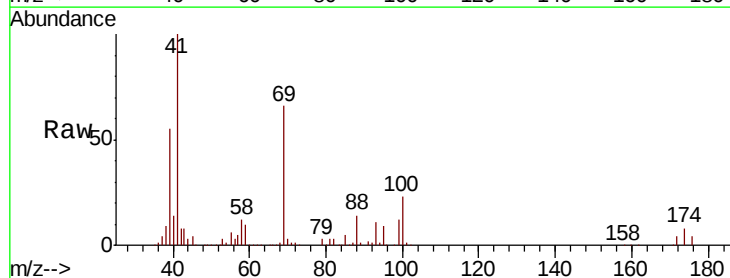
Tgt Ion: 41 Resp: 103410

Ion Ratio Lower Upper

41 100

69 71.5 56.7 85.1

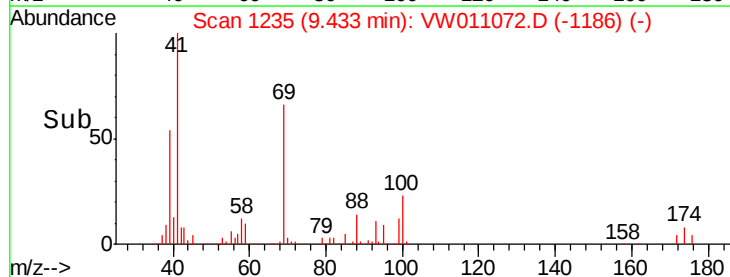
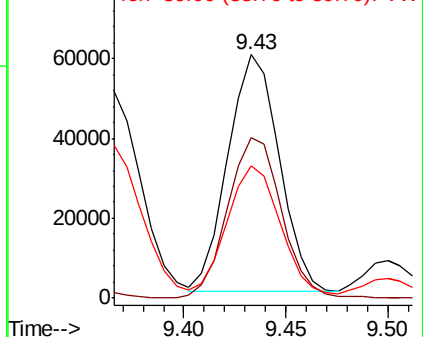
39 54.7 45.0 67.6

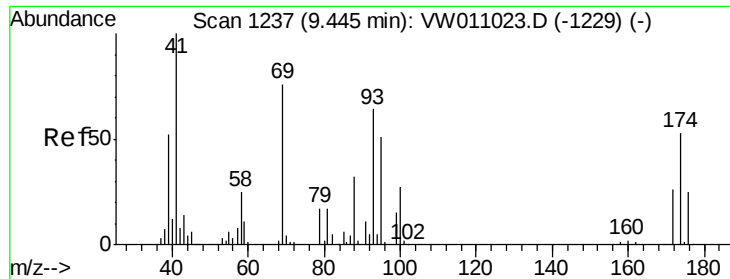


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1082.090 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

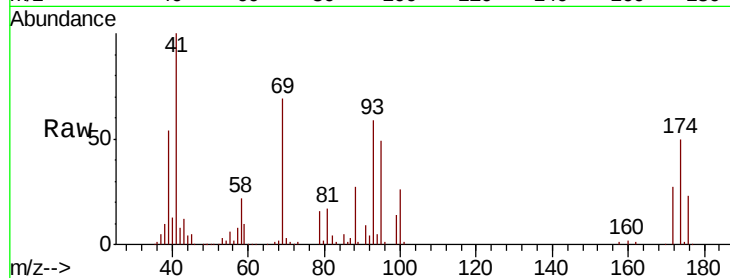
Tot Ion: 88 Resp: 23173

Ion Ratio Lower Upper

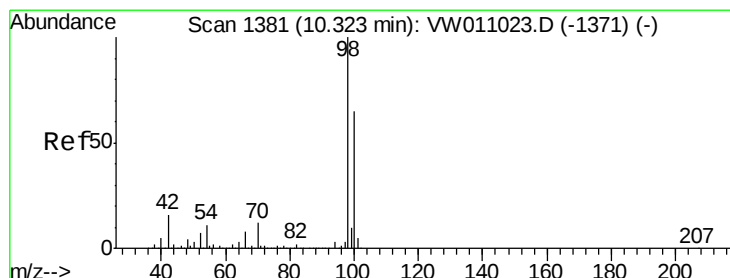
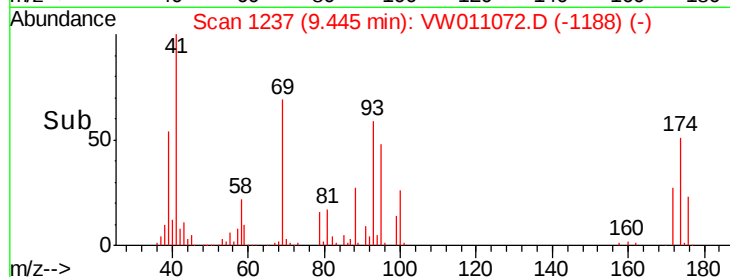
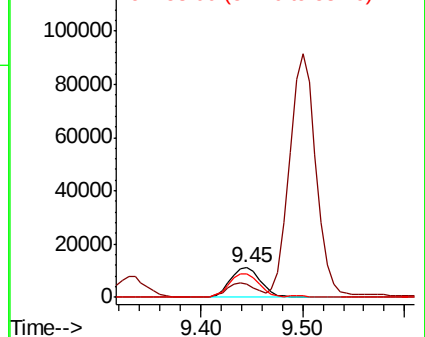
88 100

43 44.1 34.4 51.6

58 80.2 65.2 97.8



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



#50

Toluene-d8

Concen: 51.320 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011072.D

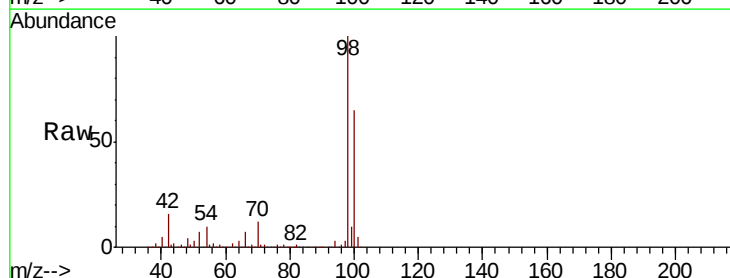
Acq: 28 Jun 2019 20:29

Tgt Ion: 98 Resp: 437600

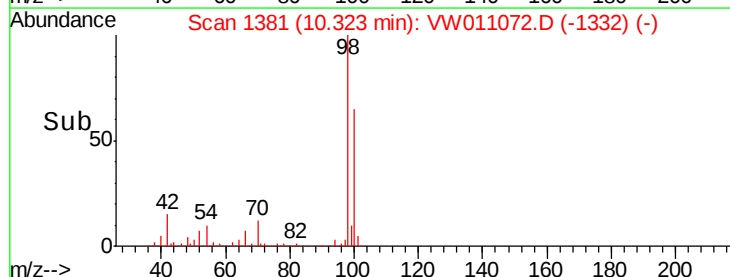
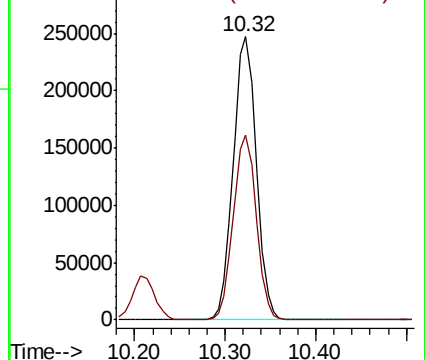
Ion Ratio Lower Upper

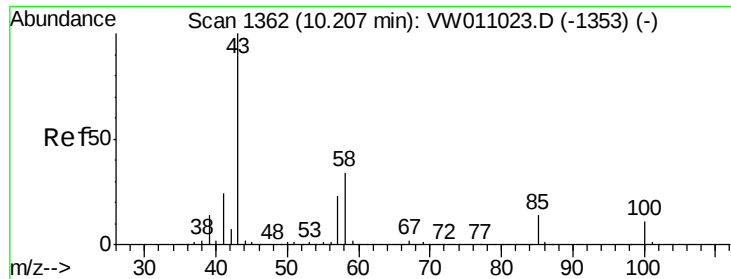
98 100

100 65.3 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 271.129 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

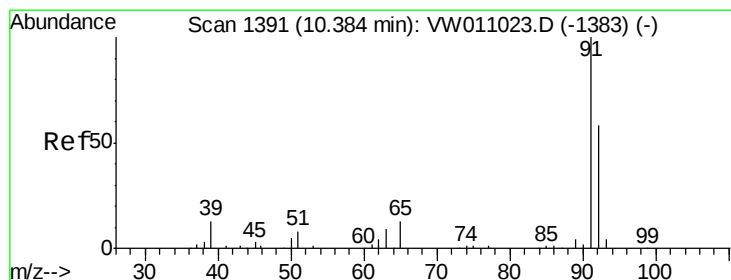
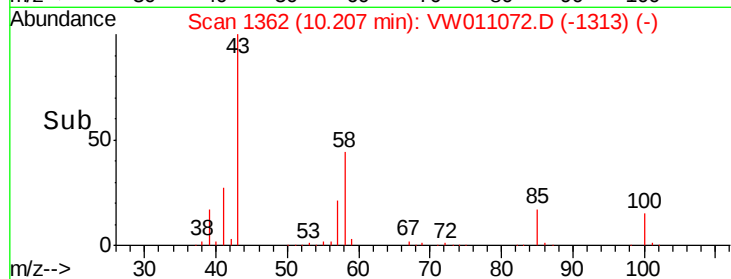
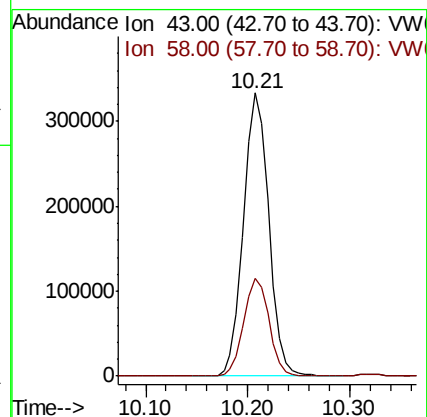
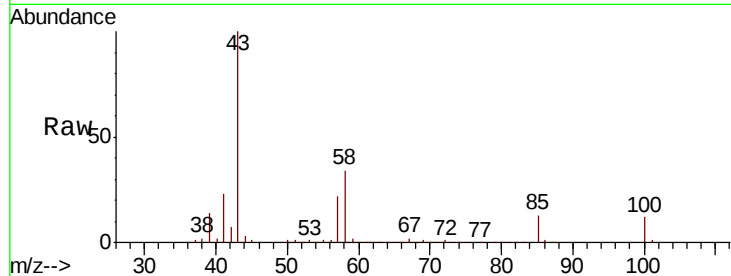
VSTDCCC050EC

Tot Ion: 43 Resp: 572682

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6



#52

Toluene

Concen: 50.182 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011072.D

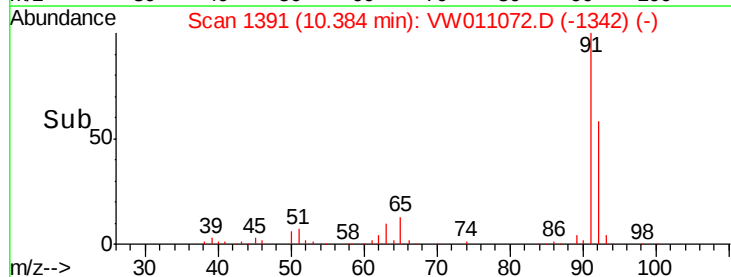
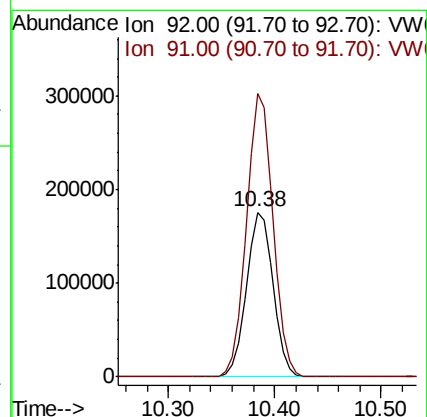
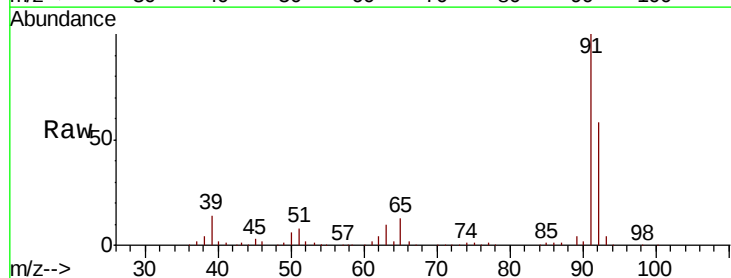
Acq: 28 Jun 2019 20:29

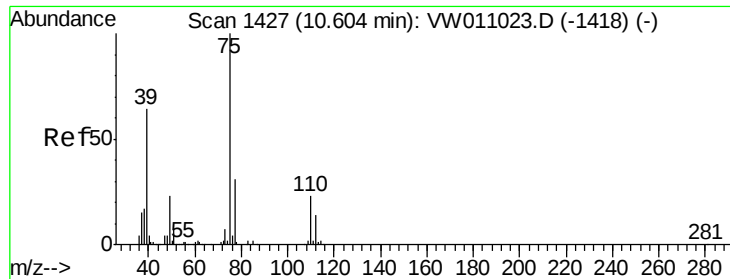
Tgt Ion: 92 Resp: 308109

Ion Ratio Lower Upper

92 100

91 171.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 51.707 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

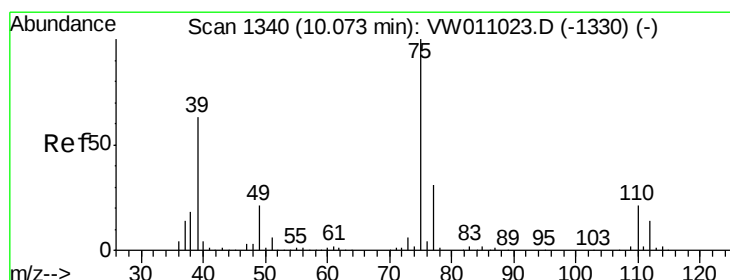
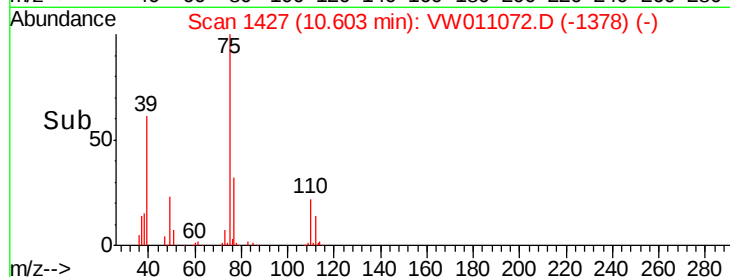
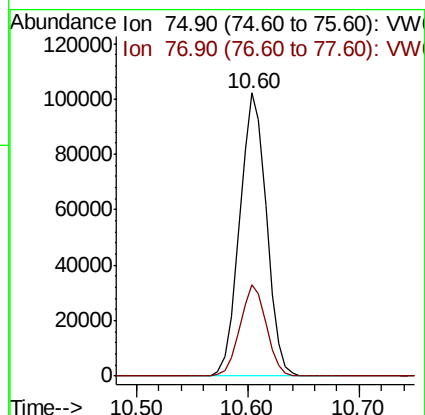
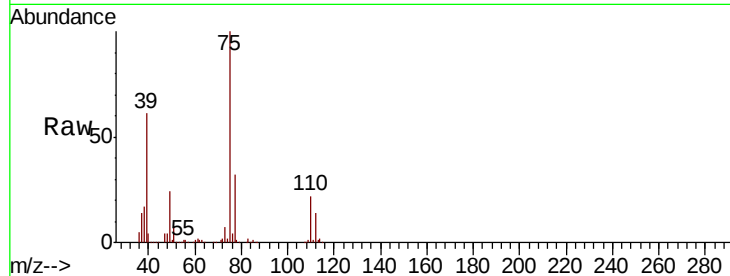
VSTDCCC050EC

Tot Ion: 75 Resp: 169833

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 51.546 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

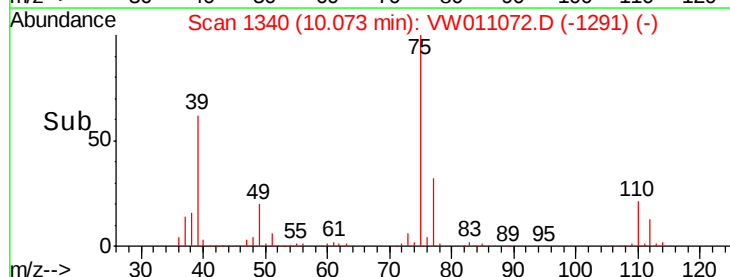
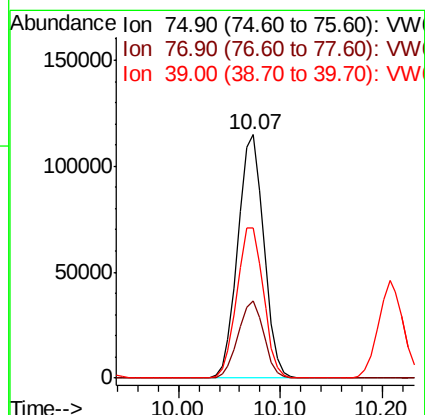
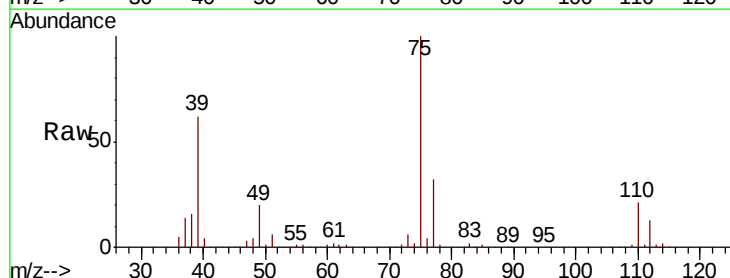
Tgt Ion: 75 Resp: 201963

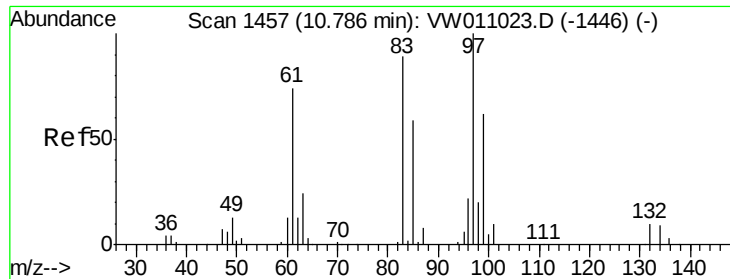
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 61.6 50.0 75.0

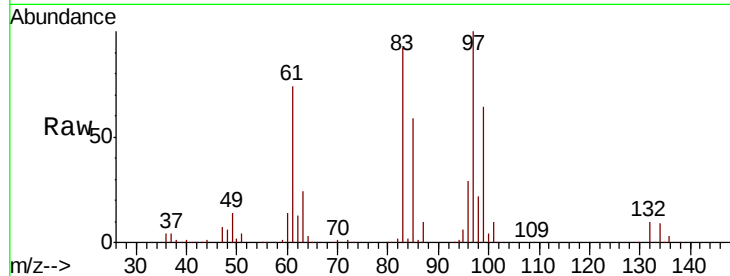




#55
 1,1,2-Trichloroethane
 Concen: 51.773 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	93163
Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.9	106.3
85	58.9	47.2	70.8
99	63.6	50.0	75.0



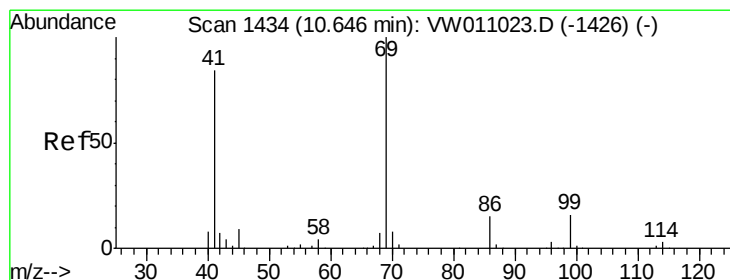
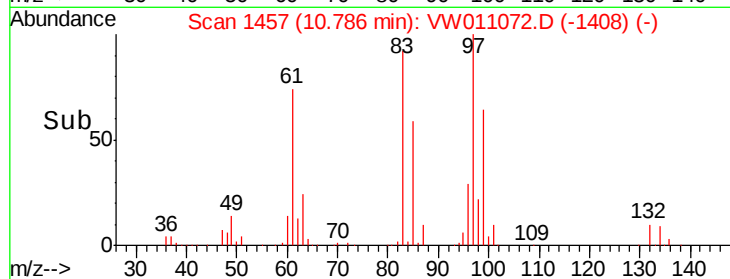
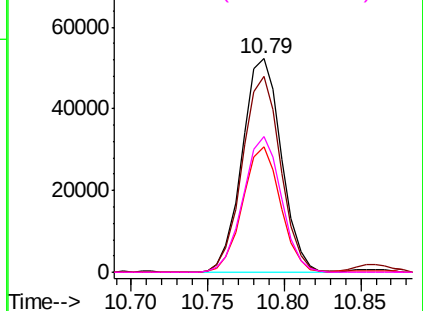
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

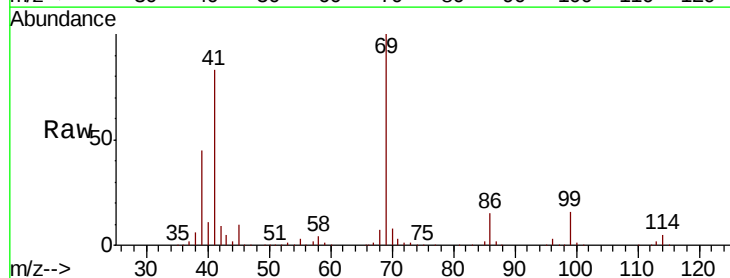
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 54.180 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion:	69	Resp:	145994
Ion	Ratio	Lower	Upper
69	100		
41	83.7	67.9	101.9
39	40.2	33.2	49.8

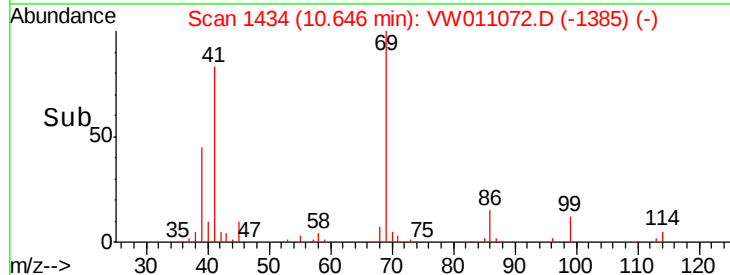
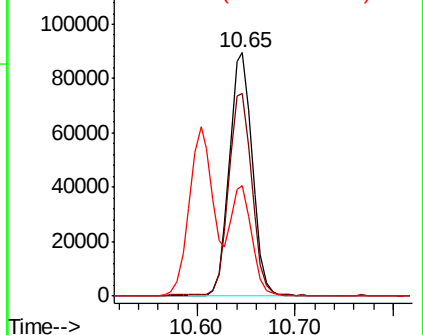


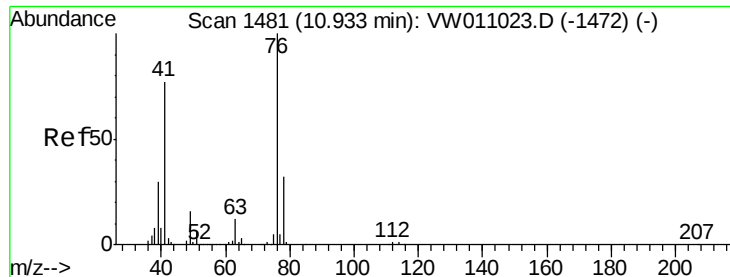
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

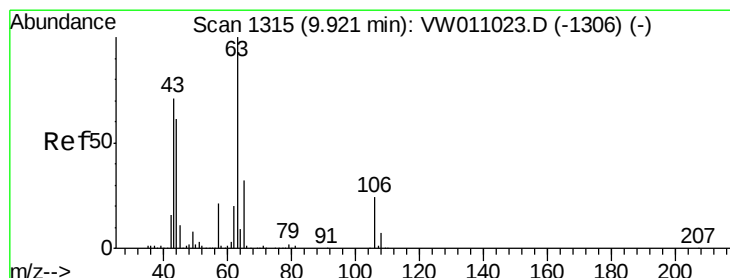
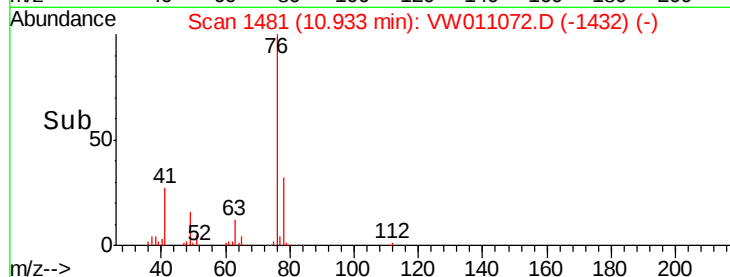
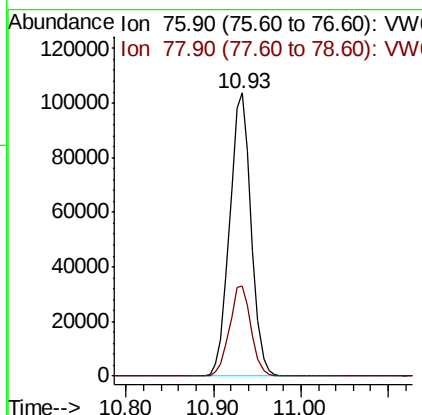
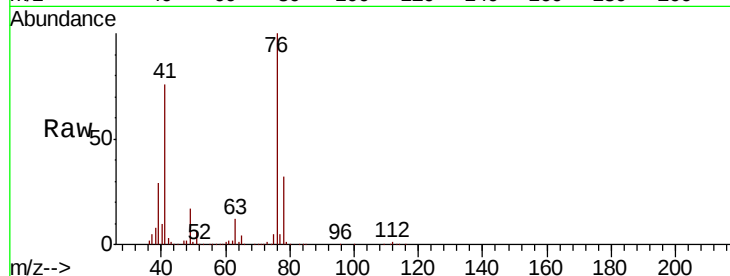




#57
 1,3-Dichloropropane
 Concen: 51.648 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

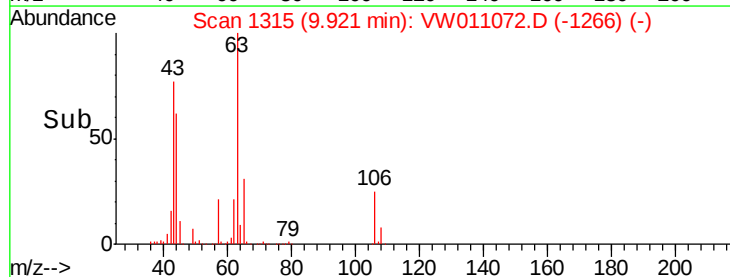
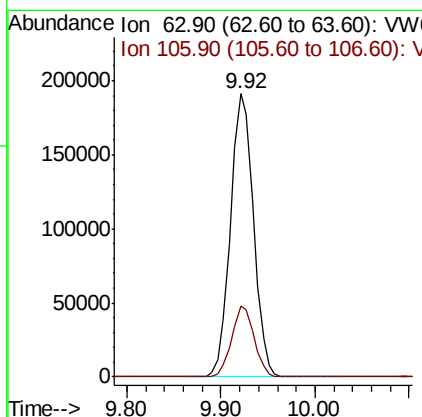
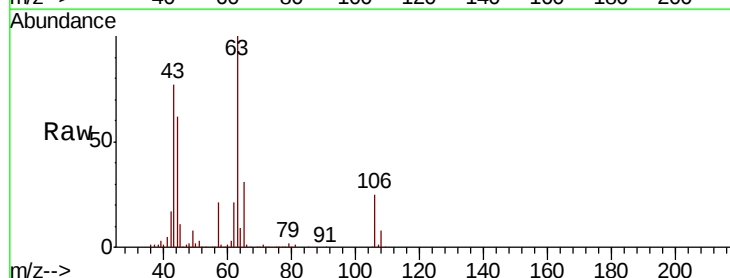
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

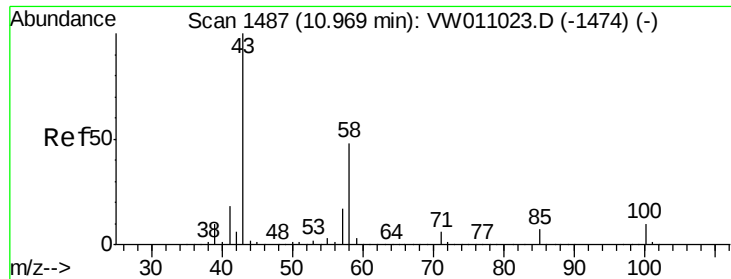
Tot Ion: 76 Resp: 176785
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.922 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 63 Resp: 324376
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0

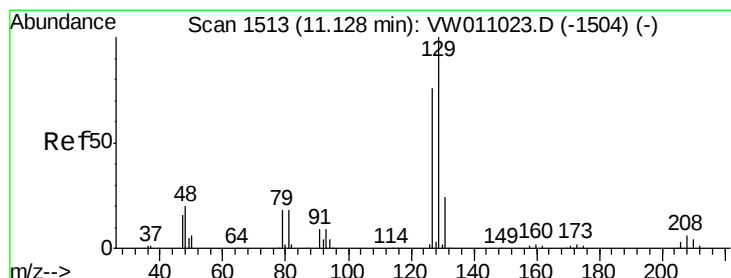
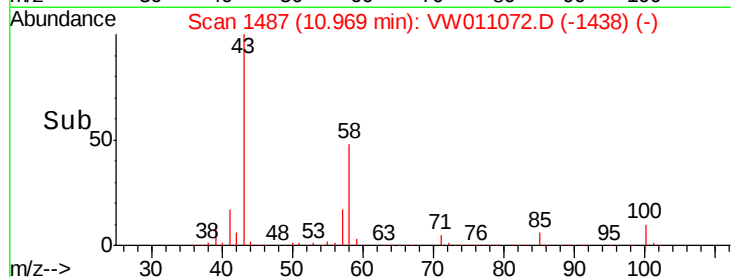
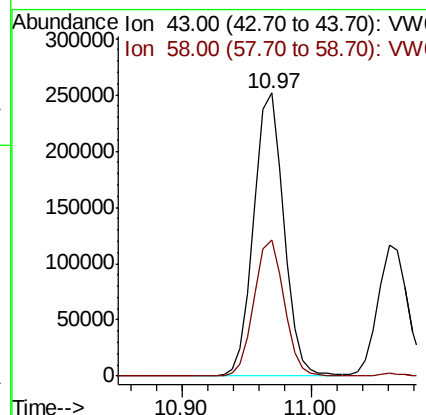
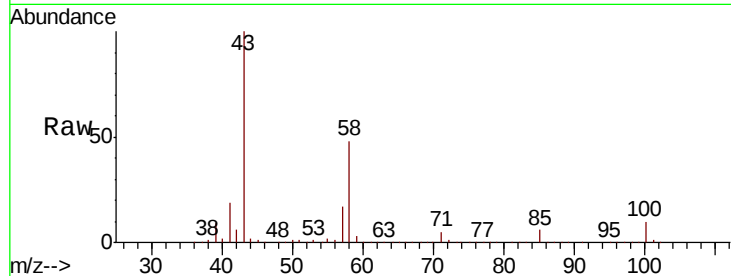




#59
2-Hexanone
Concen: 274.889 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

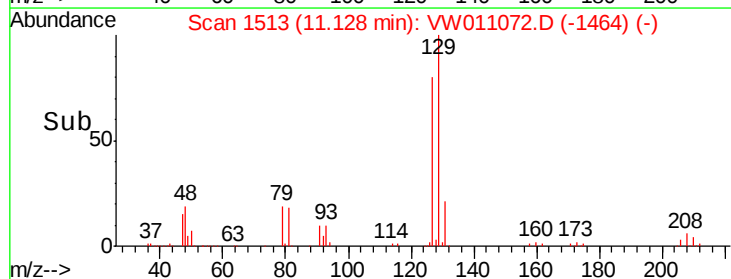
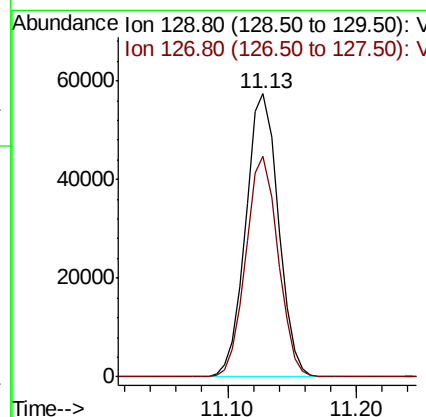
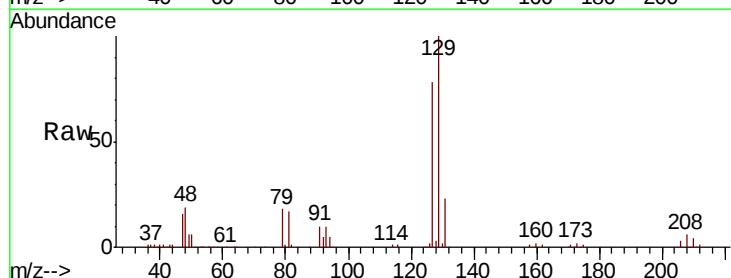
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

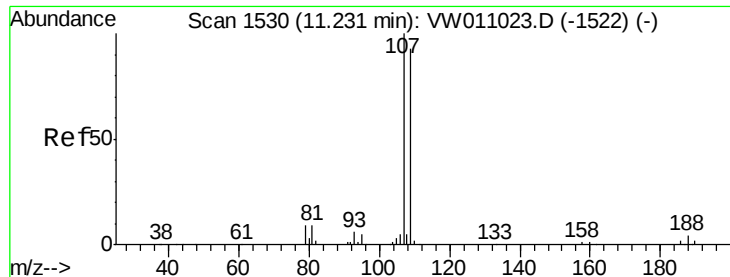
Tot Ion: 43 Resp: 404909
Ion Ratio Lower Upper
43 100
58 48.3 23.8 71.5



#60
Dibromochloromethane
Concen: 53.076 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 129 Resp: 100152
Ion Ratio Lower Upper
129 100
127 76.9 39.4 118.1

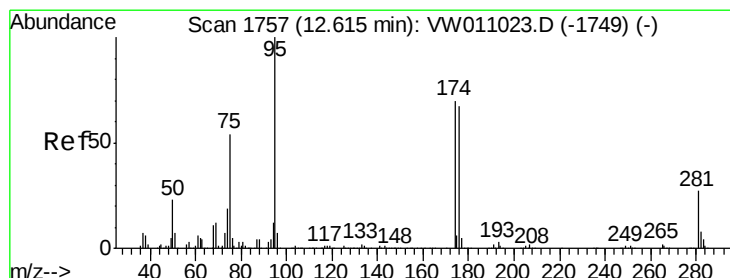
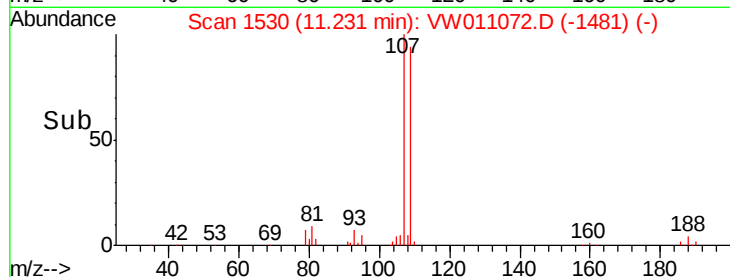
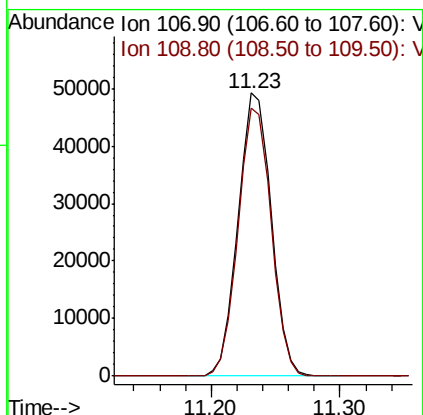
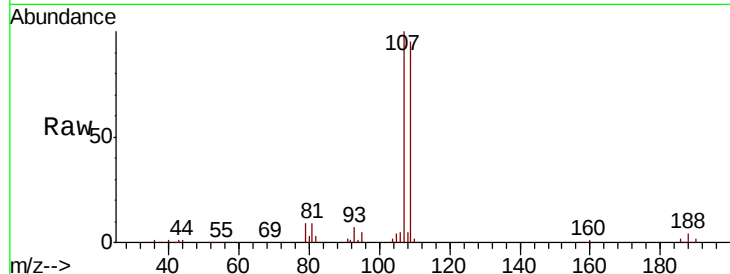




#61
 1,2-Dibromoethane
 Concen: 52.070 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

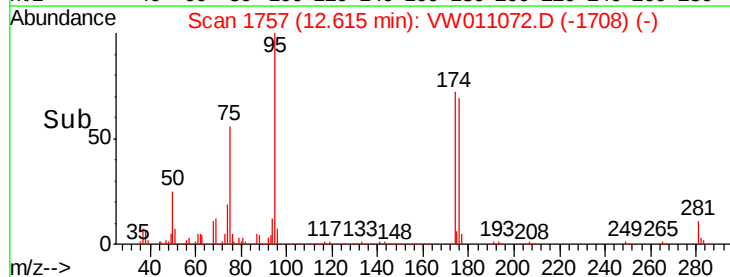
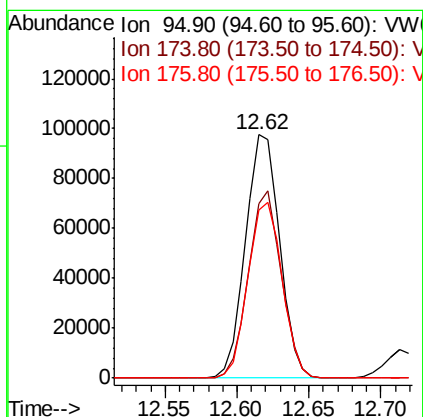
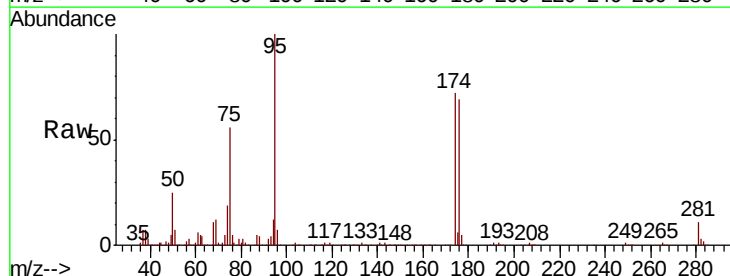
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

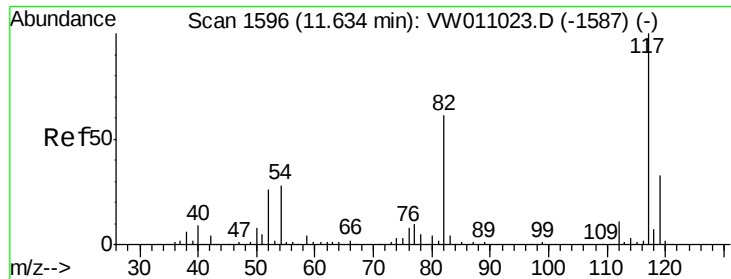
Tot Ion: 107 Resp: 87715
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 51.375 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 95 Resp: 160222
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 149.2
 176 72.1 0.0 143.6

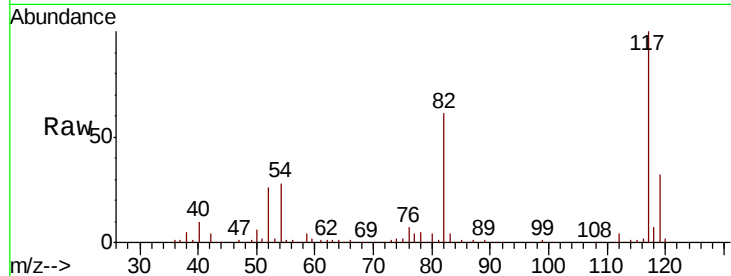




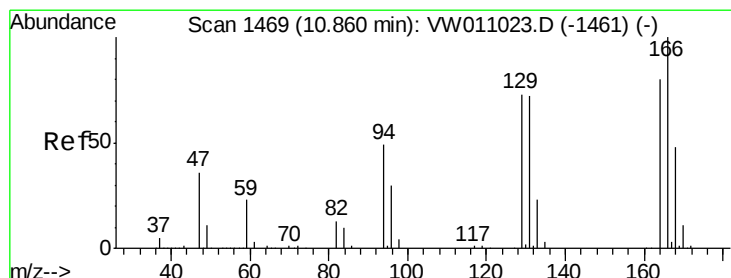
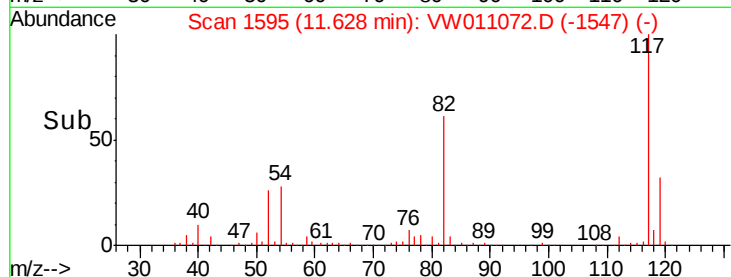
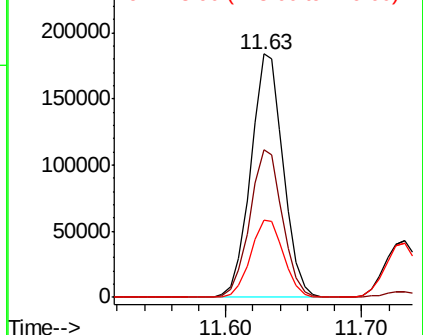
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 307309
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 31.6 26.1 39.1

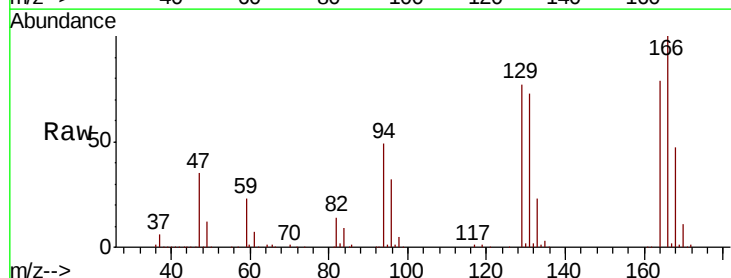


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

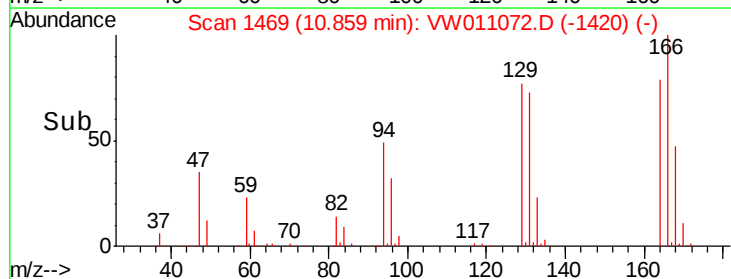
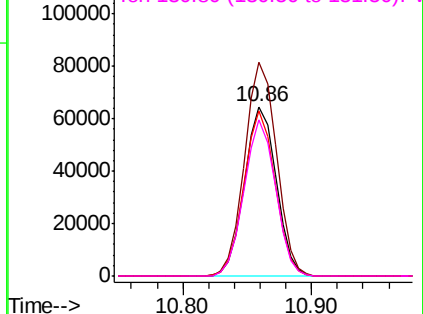


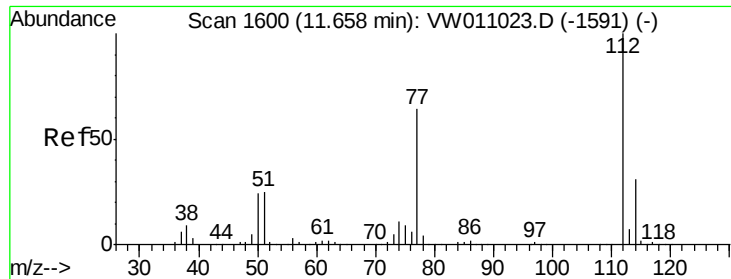
#64
Tetrachloroethene
Concen: 51.918 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:164 Resp: 109798
Ion Ratio Lower Upper
164 100
166 126.1 99.8 149.6
129 97.4 73.0 109.4
131 92.2 71.4 107.0



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

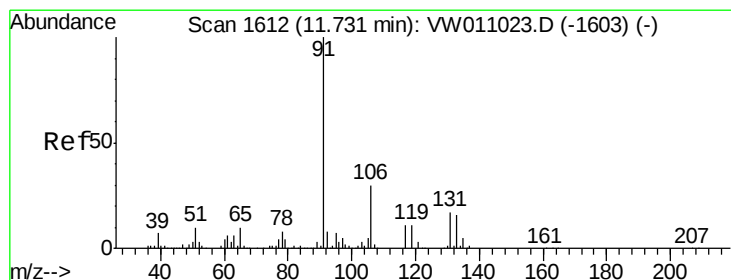
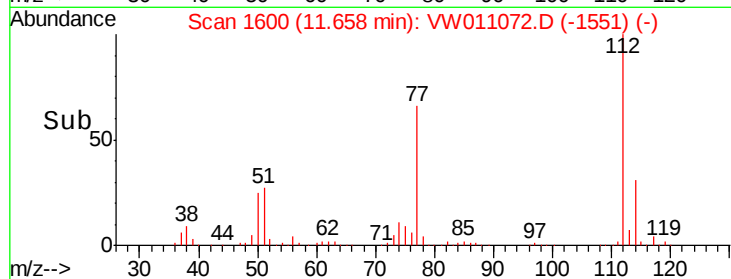
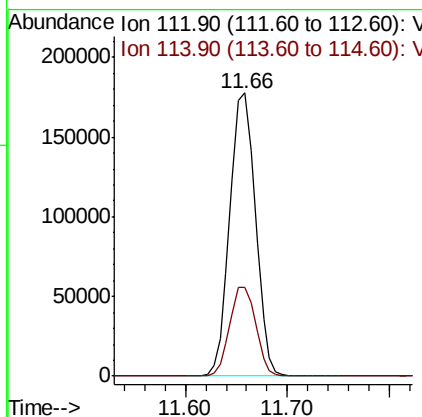
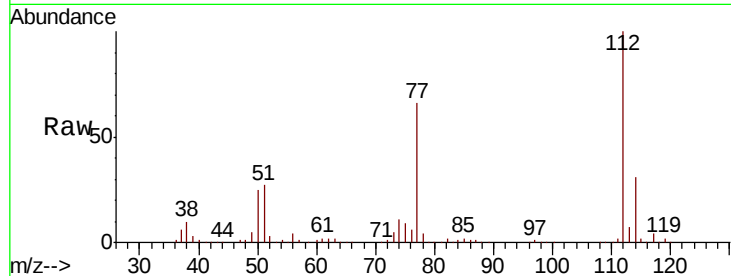




#65
Chlorobenzene
Concen: 49.210 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

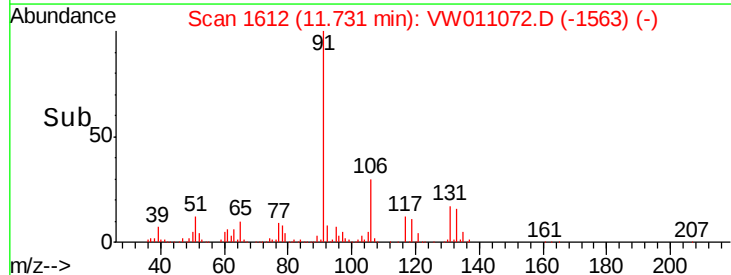
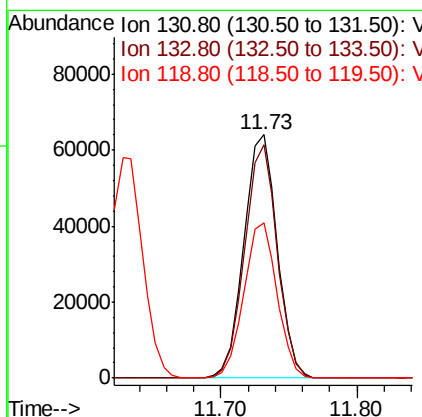
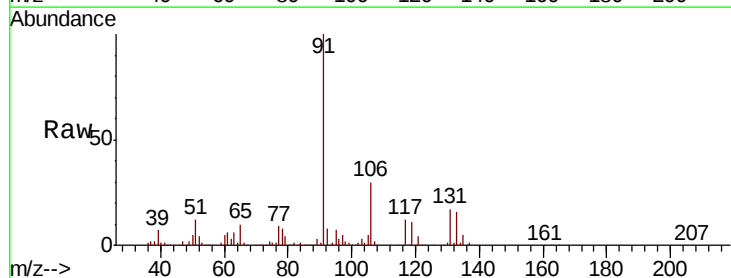
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

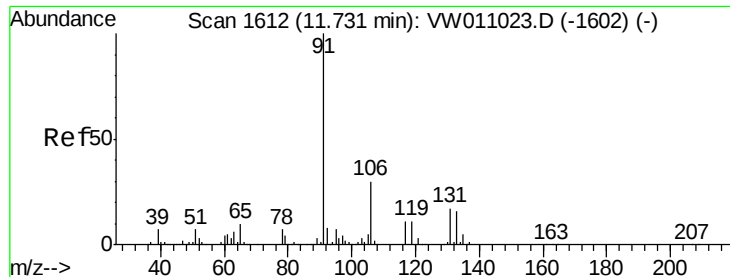
Tot Ion:112 Resp: 309563
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.495 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:131 Resp: 109982
Ion Ratio Lower Upper
131 100
133 94.1 47.7 143.1
119 63.7 33.1 99.2

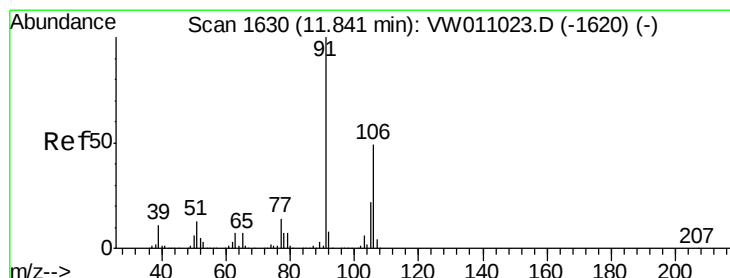
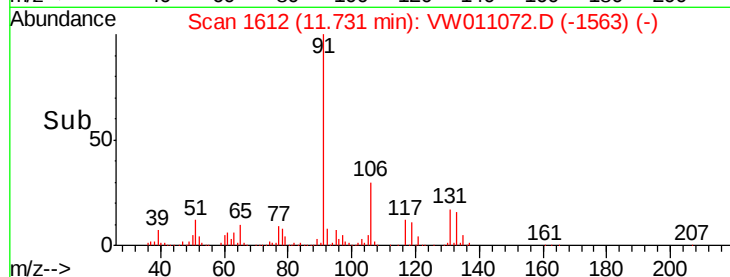
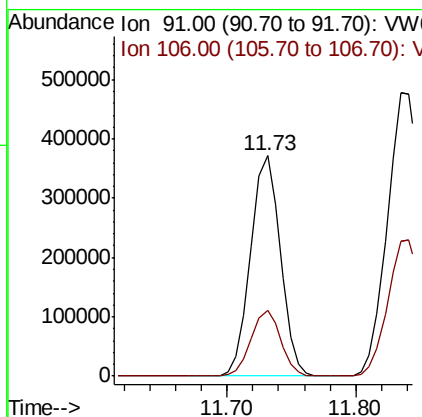
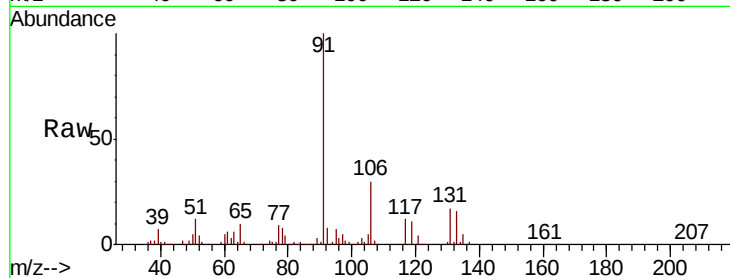




#67
Ethyl Benzene
Concen: 49.253 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

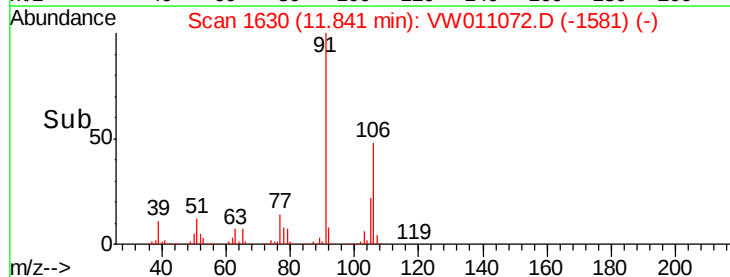
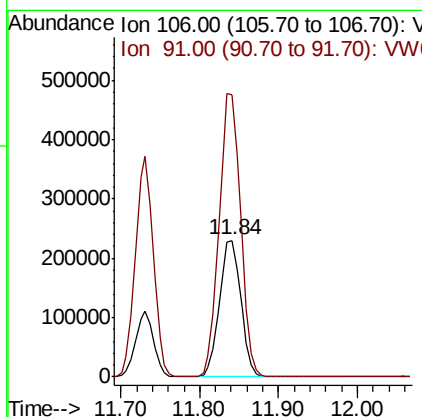
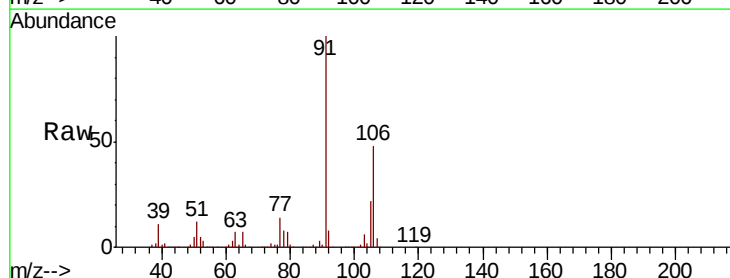
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

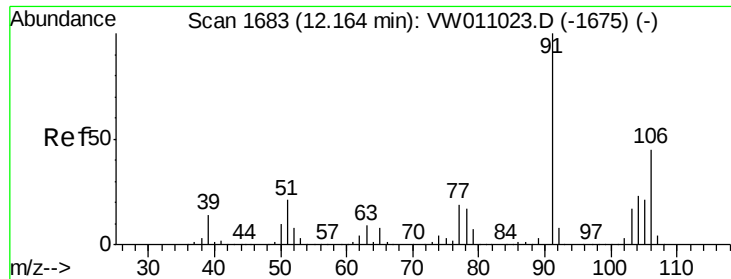
Tot Ion: 91 Resp: 593422
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6



#68
m/p-Xylenes
Concen: 99.463 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 106 Resp: 434844
Ion Ratio Lower Upper
106 100
91 209.0 167.5 251.3

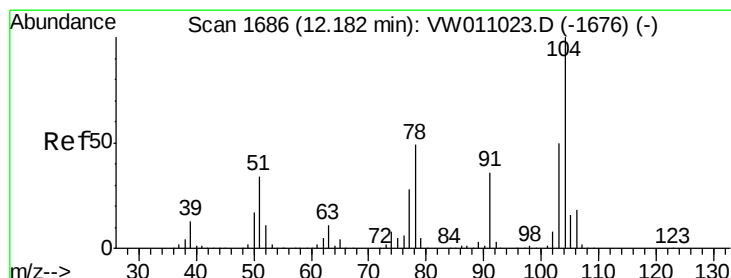
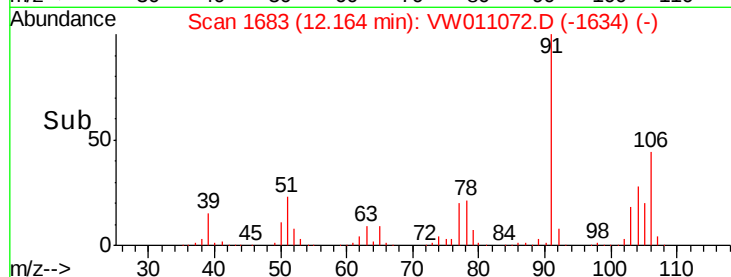
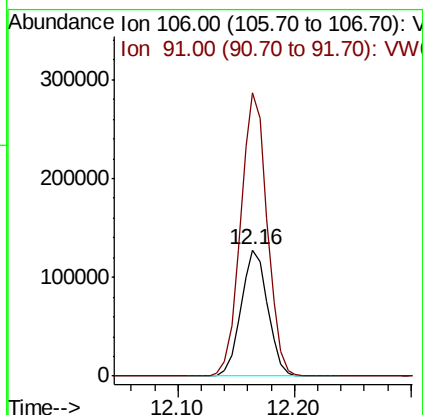
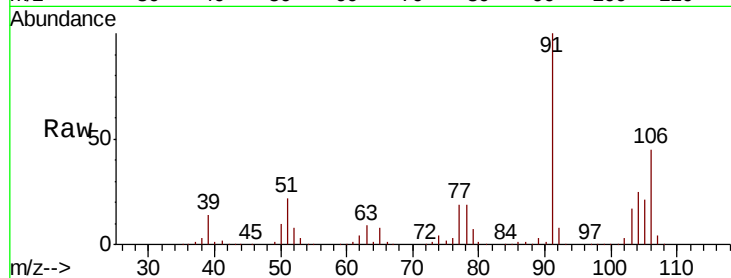




#69
o-Xylene
Concen: 50.100 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

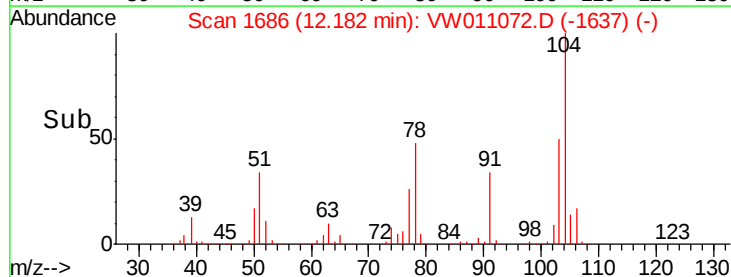
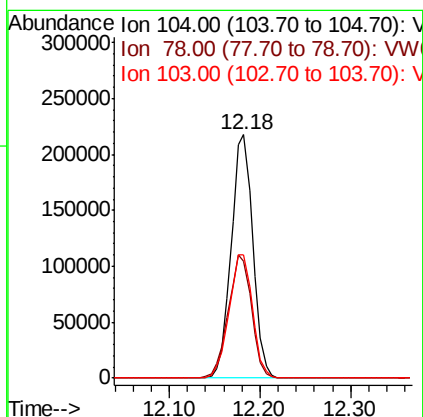
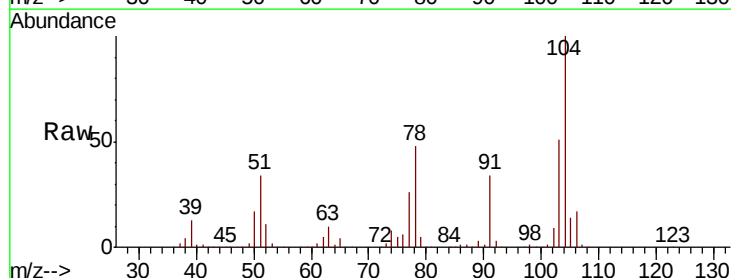
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

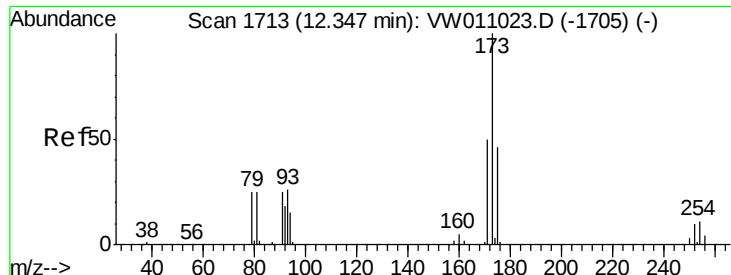
Tot Ion:106 Resp: 204015
Ion Ratio Lower Upper
106 100
91 223.0 110.8 332.3



#70
Styrene
Concen: 50.810 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:104 Resp: 359542
Ion Ratio Lower Upper
104 100
78 54.3 43.7 65.5
103 55.1 43.9 65.9

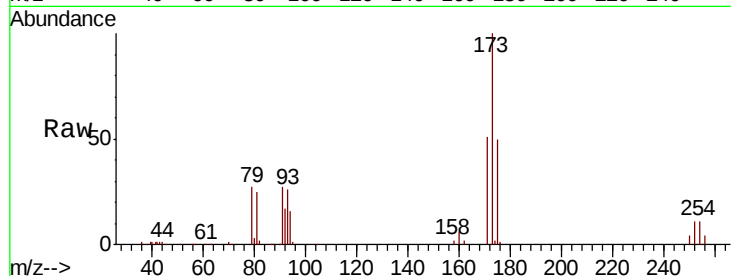




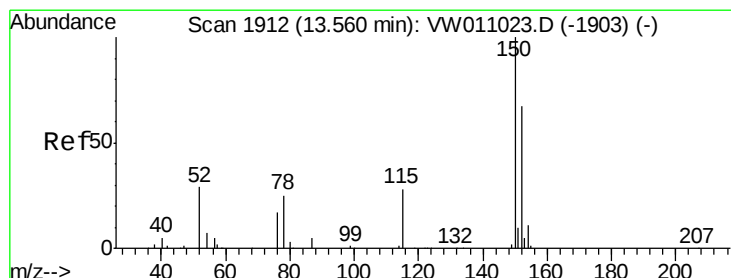
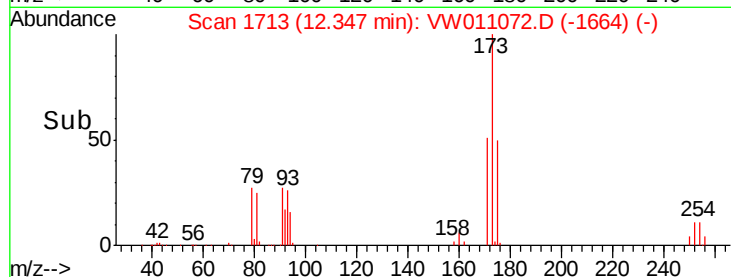
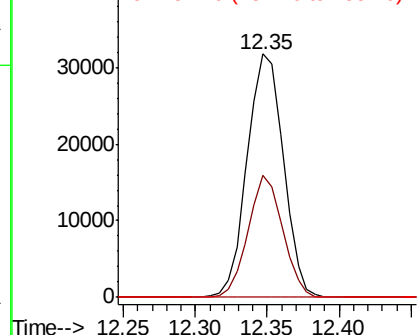
#71
Bromoform
Concen: 53.205 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 55397
Ion Ratio Lower Upper
173 100
175 47.7 24.1 72.2
254 0.1 0.0 0.0#

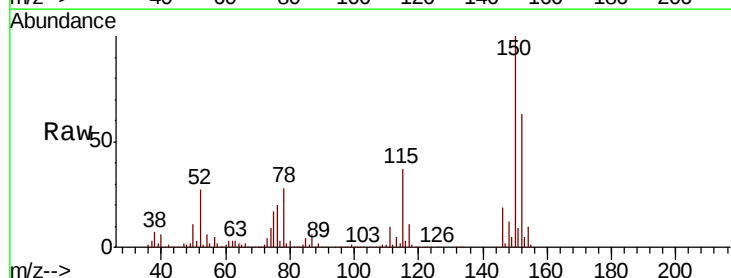


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

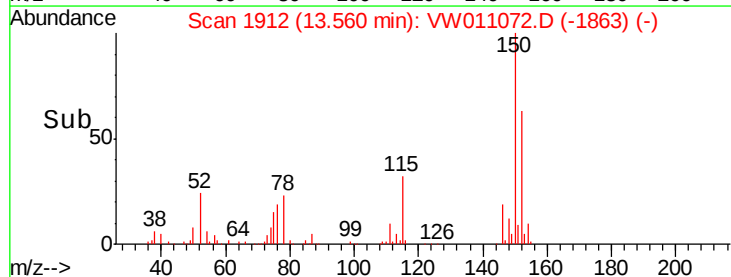
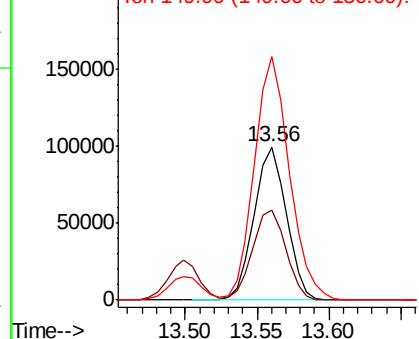


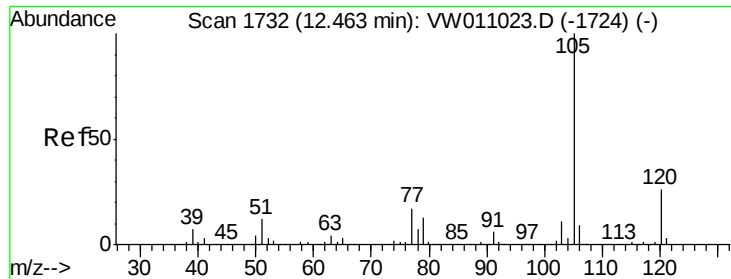
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:152 Resp: 154334
Ion Ratio Lower Upper
152 100
115 60.8 30.7 92.1
150 172.4 0.0 341.8



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: 48.898 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

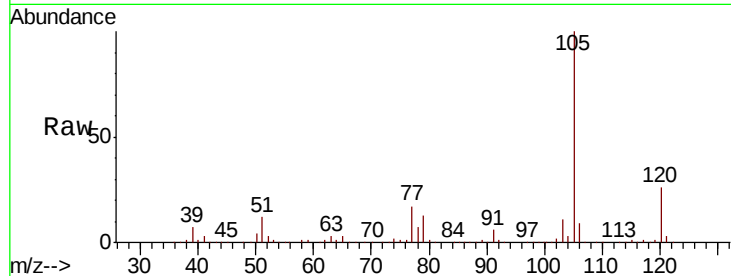
VSTDCCC050EC

Tot Ion:105 Resp: 565350

Ion Ratio Lower Upper

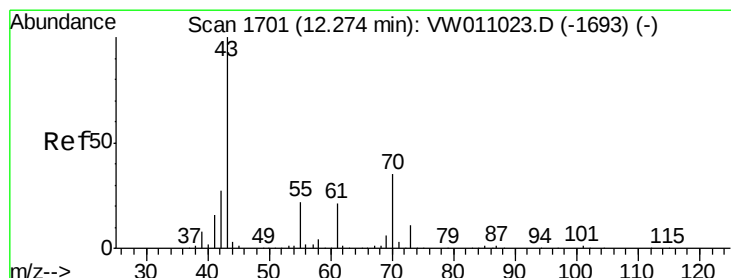
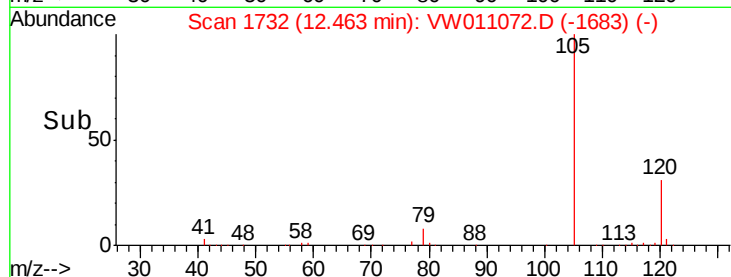
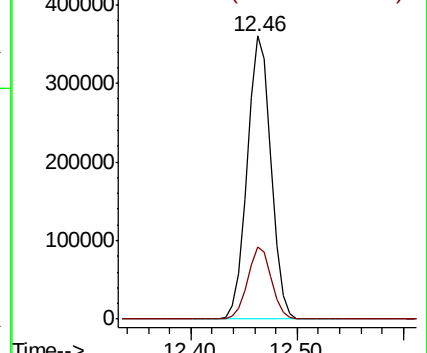
105 100

120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.878 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Tgt Ion: 43 Resp: 205320

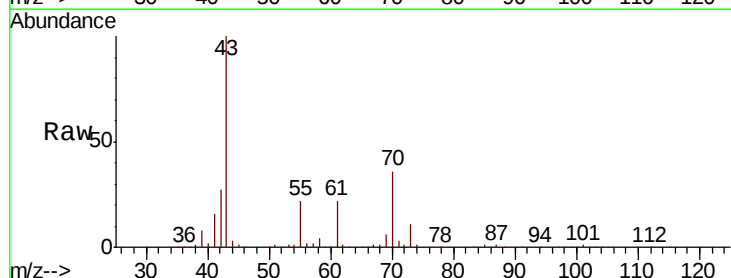
Ion Ratio Lower Upper

43 100

70 35.2 28.2 42.4

55 22.5 17.8 26.8

61 21.3 16.6 24.8

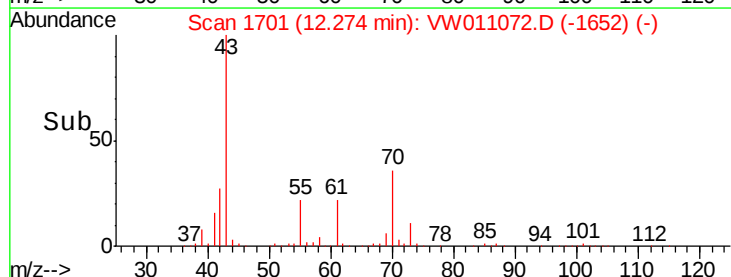
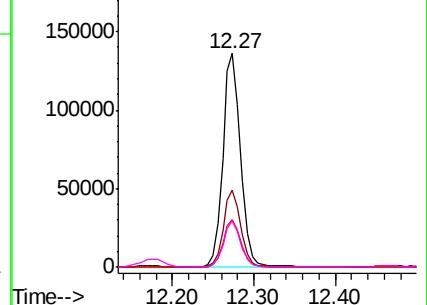


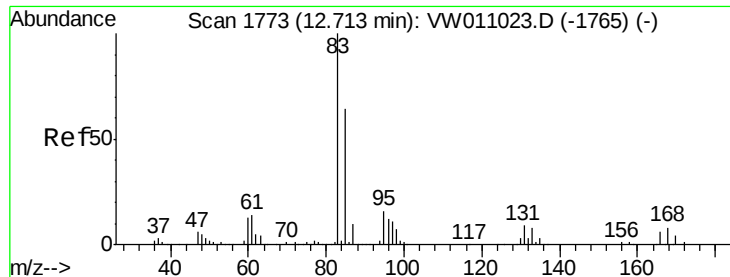
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.985 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

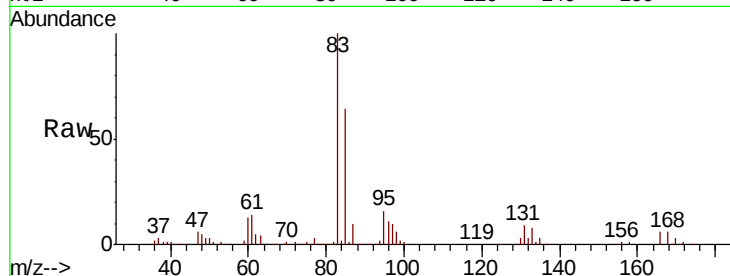
Tot Ion: 83 Resp: 115757

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

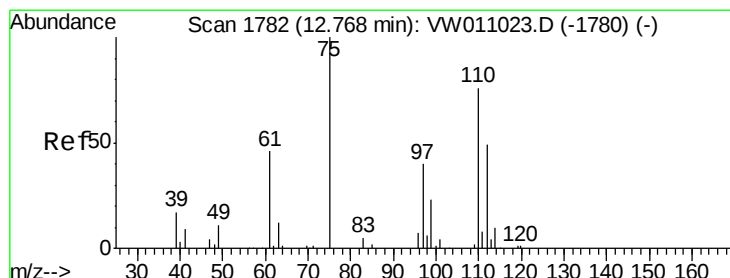
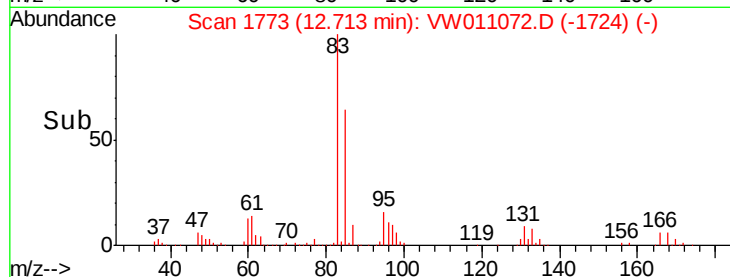
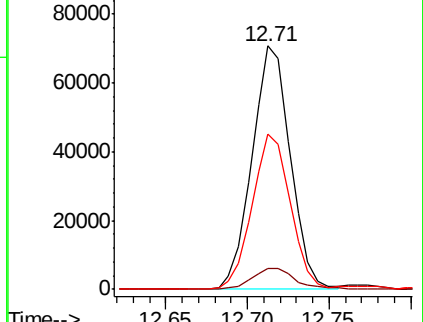
85 63.8 31.8 95.4



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: 92.057 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011072.D

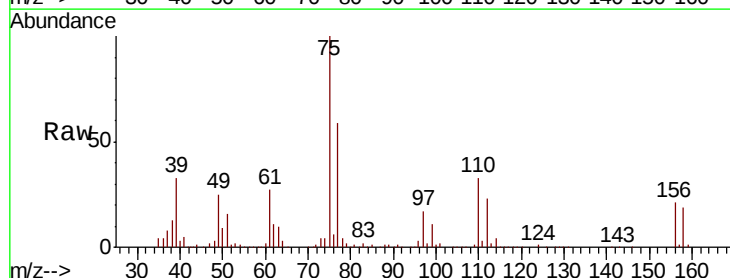
Acq: 28 Jun 2019 20:29

Tgt Ion: 75 Resp: 149994

Ion Ratio Lower Upper

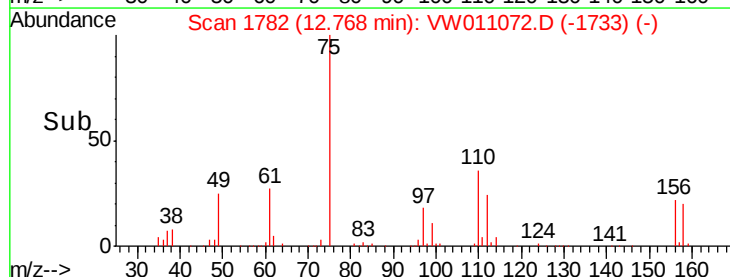
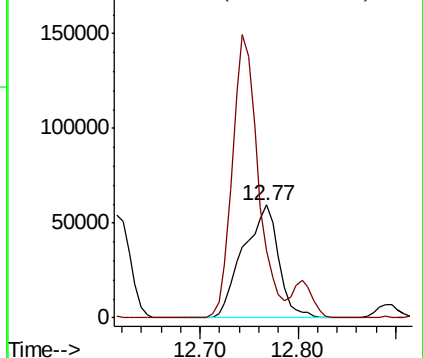
75 100

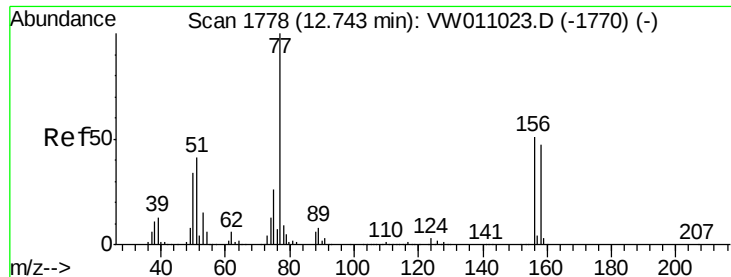
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

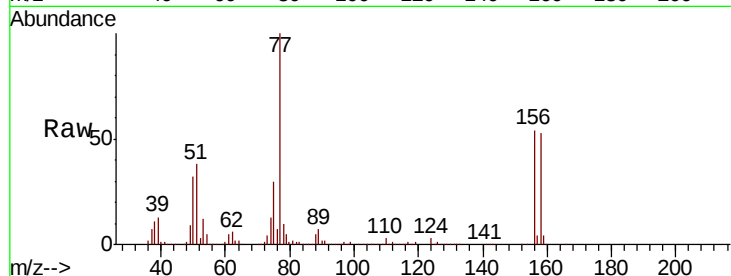




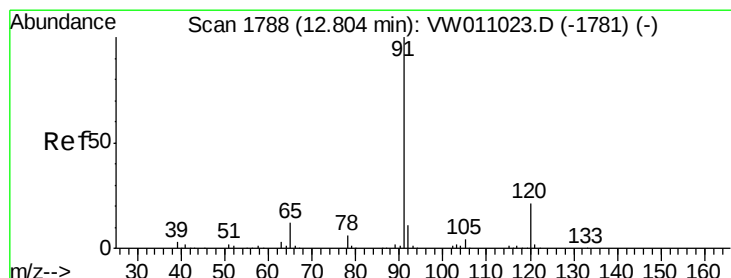
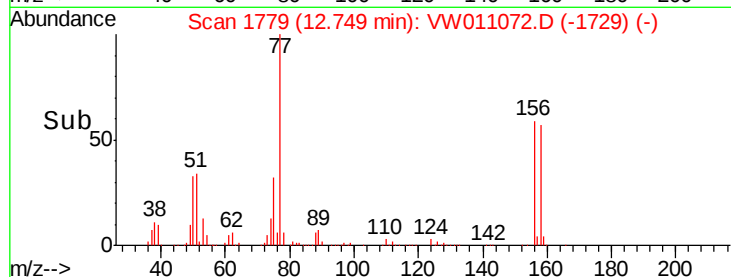
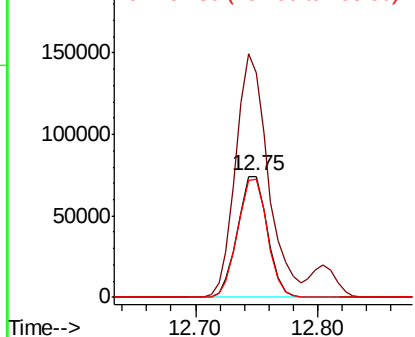
#77
Bromobenzene
Concen: 49.442 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 125648
Ion Ratio Lower Upper
156 100
77 218.6 109.5 328.5
158 97.5 48.6 145.9

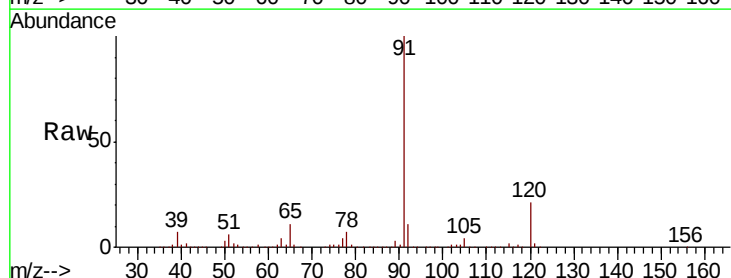


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

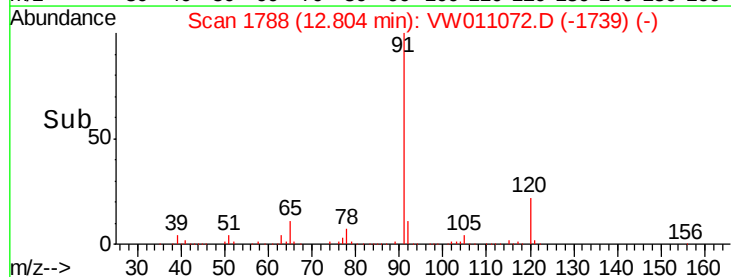
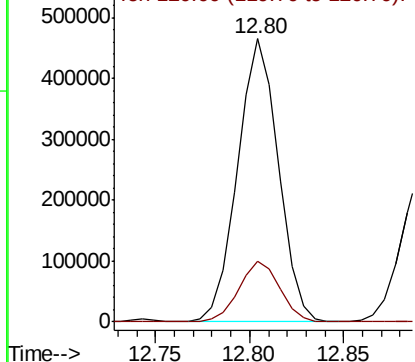


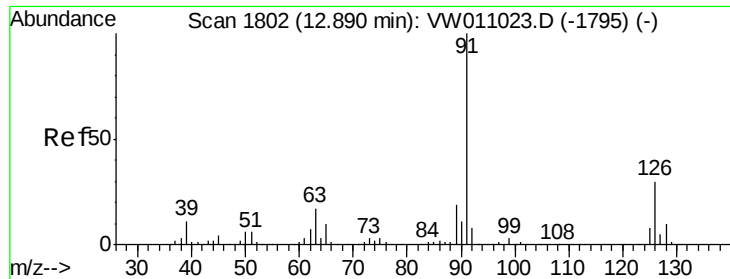
#78
n-propylbenzene
Concen: 48.683 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion: 91 Resp: 697019
Ion Ratio Lower Upper
91 100
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

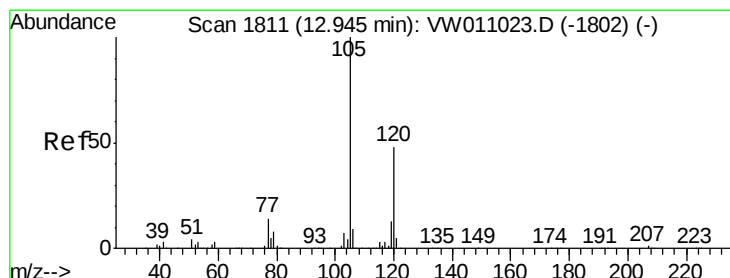
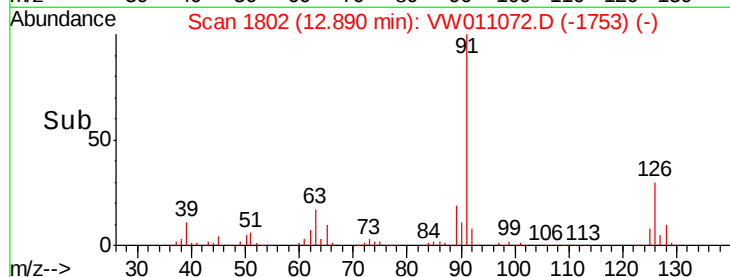
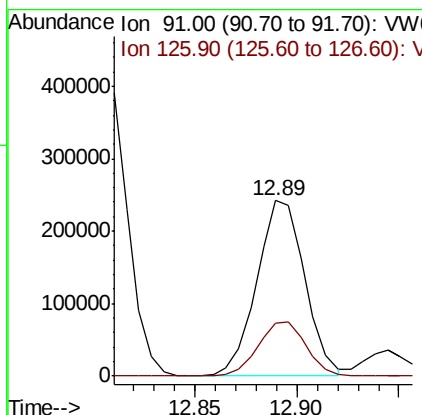
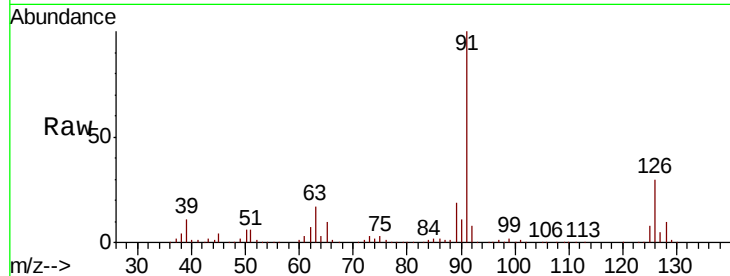




#79
 2-Chlorotoluene
 Concen: 48.496 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

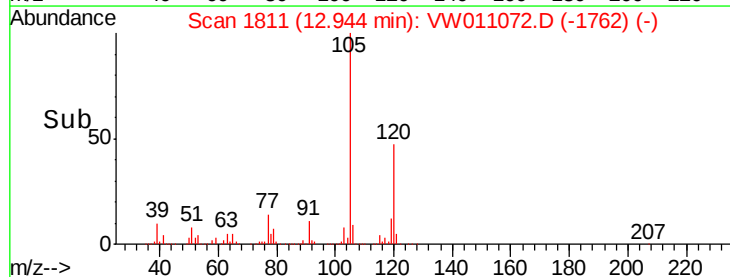
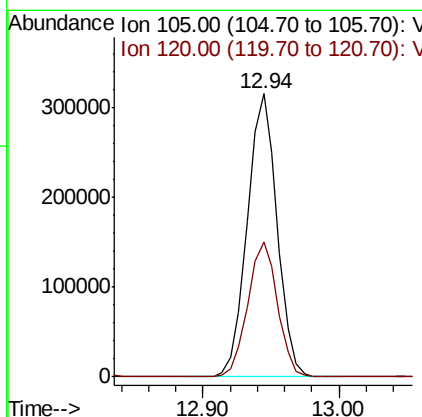
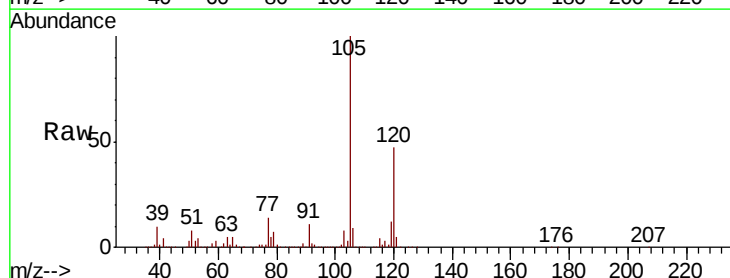
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

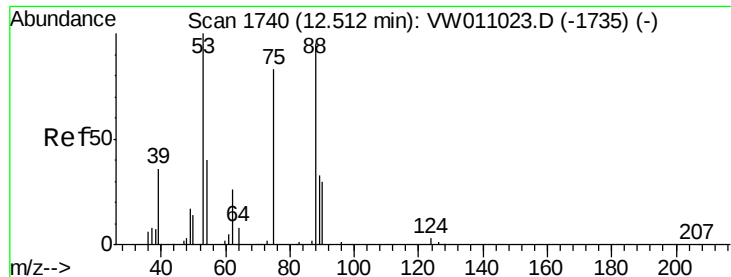
Tot Ion: 91 Resp: 396683
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 49.133 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion: 105 Resp: 481481
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 44.957 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

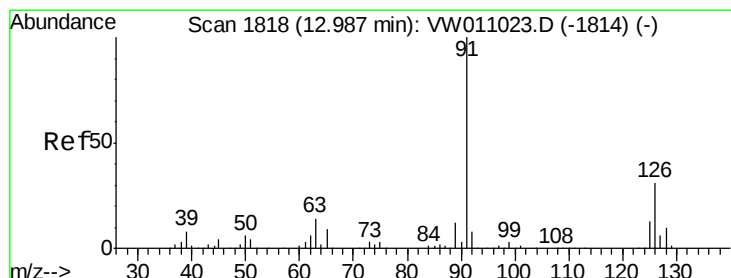
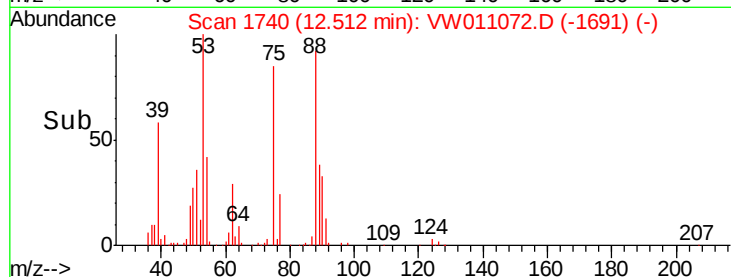
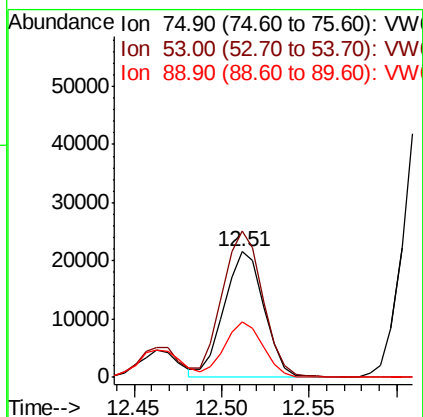
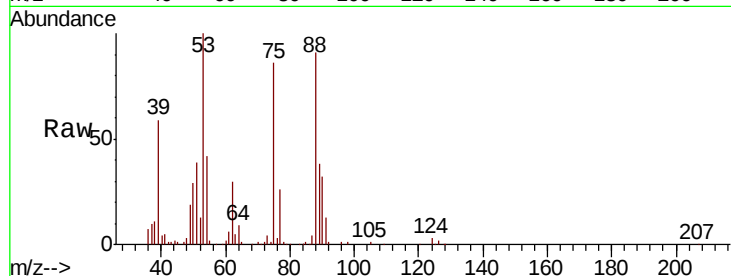
Tot Ion: 75 Resp: 34082

Ion Ratio Lower Upper

75 100

53 119.6 95.6 143.4

89 43.0 34.4 51.6



#82

4-Chlorotoluene

Concen: 48.691 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011072.D

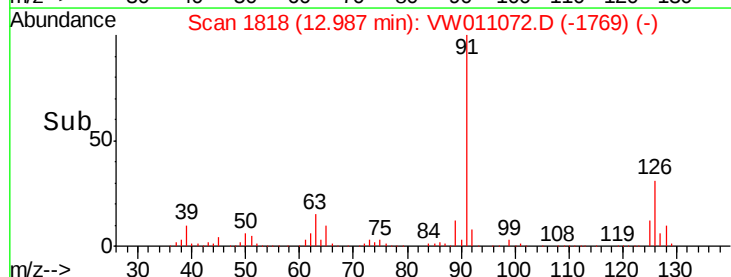
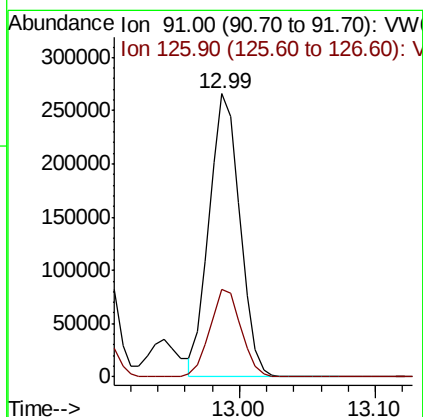
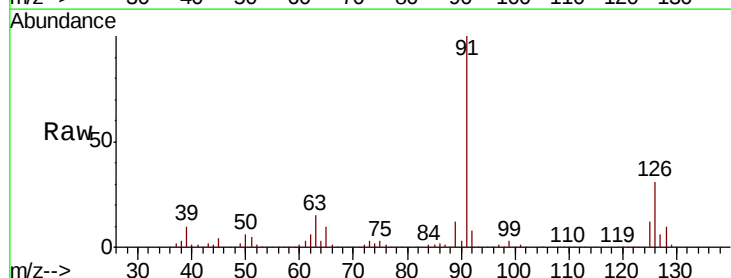
Acq: 28 Jun 2019 20:29

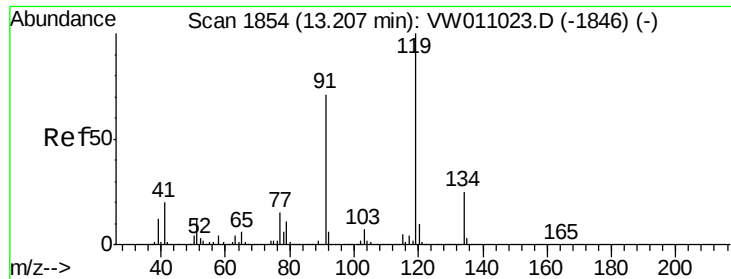
Tgt Ion: 91 Resp: 415047

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

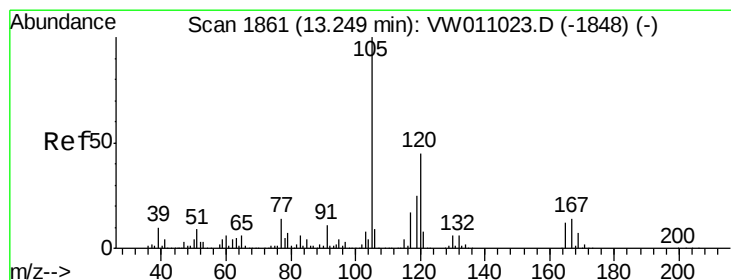
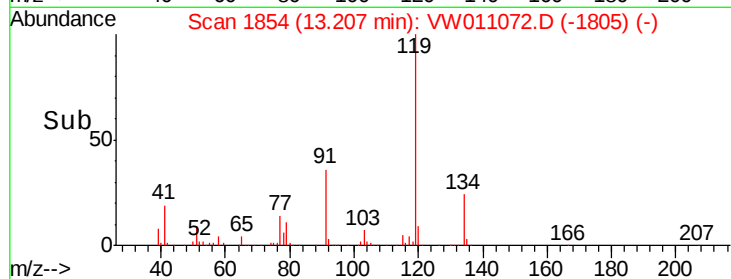
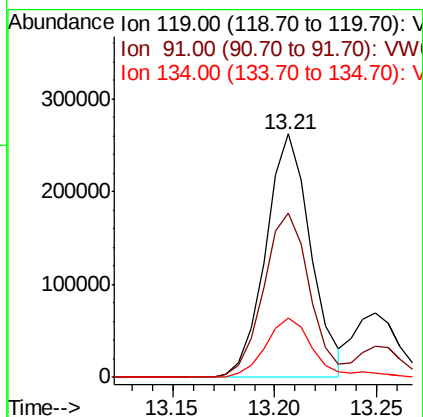
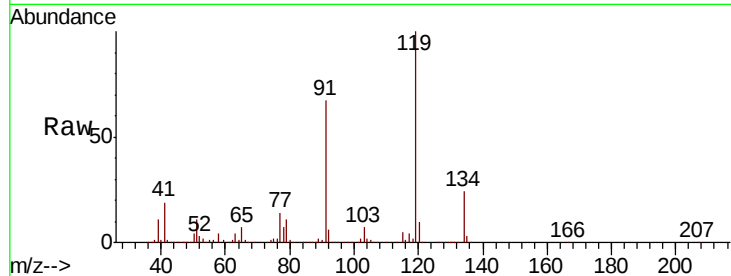




#83
tert-Butylbenzene
Concen: 49.272 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

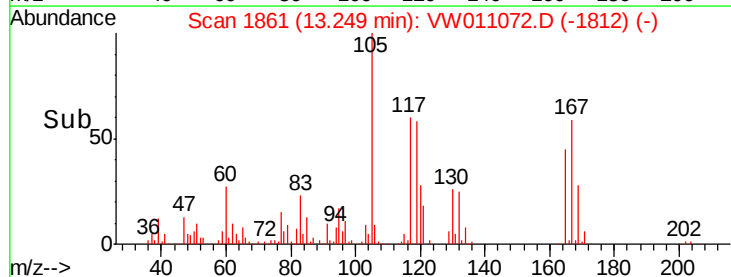
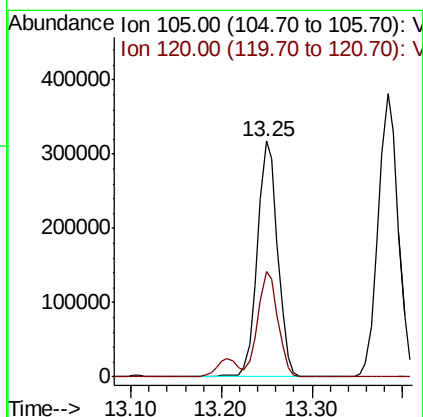
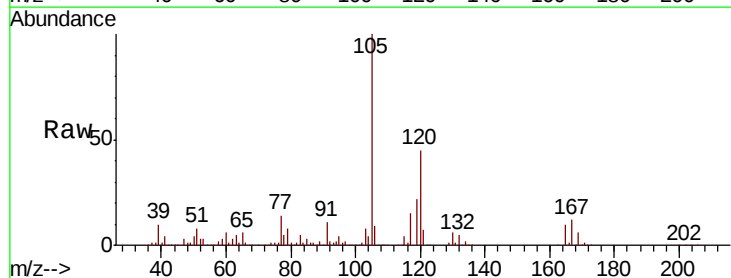
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

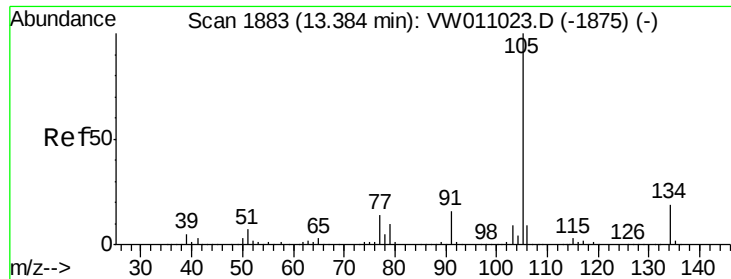
Tot Ion:119 Resp: 402637
Ion Ratio Lower Upper
119 100
91 68.8 35.5 106.5
134 26.5 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 49.523 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:105 Resp: 490530
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.2

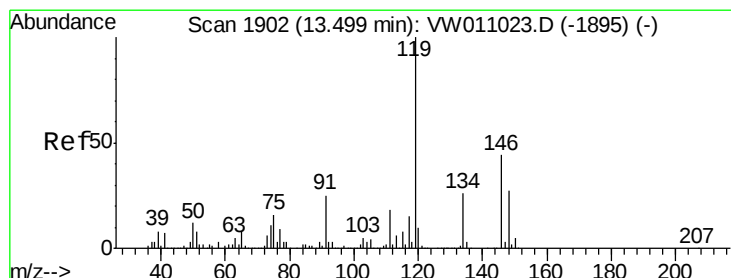
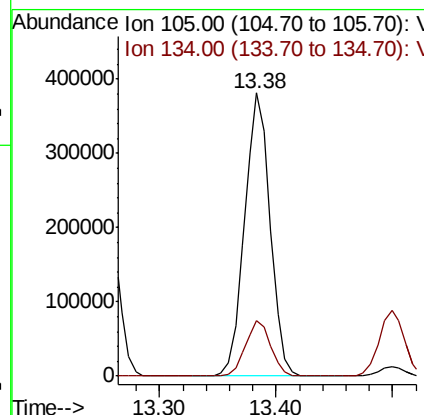
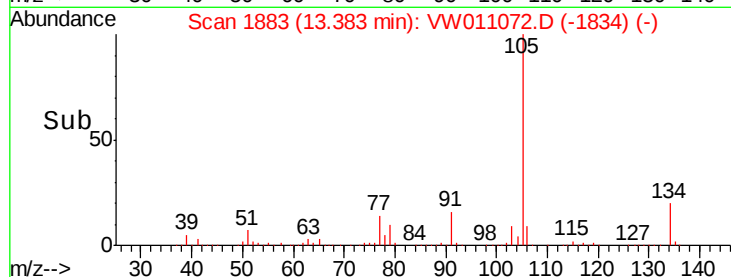
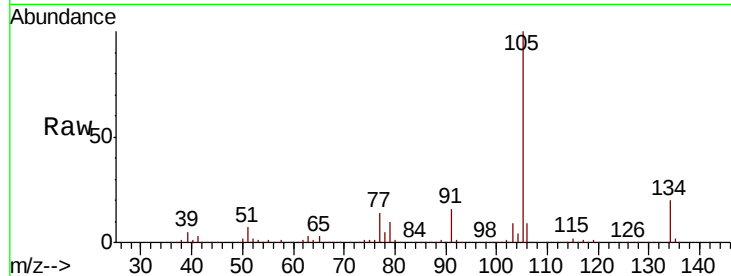




#85
 sec-Butylbenzene
 Concen: 48.909 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

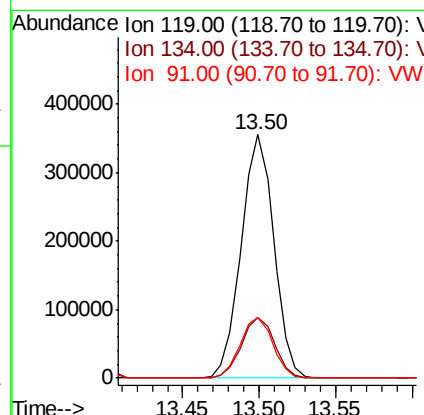
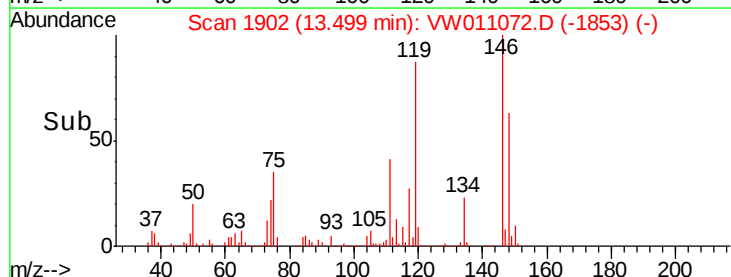
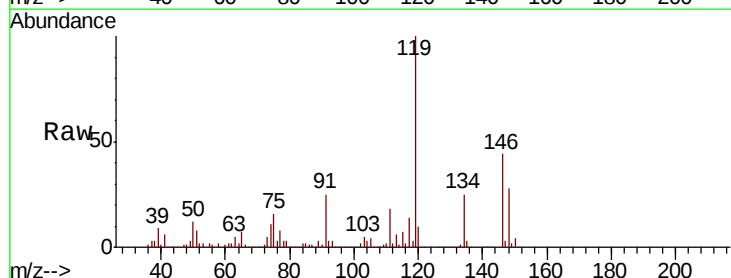
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

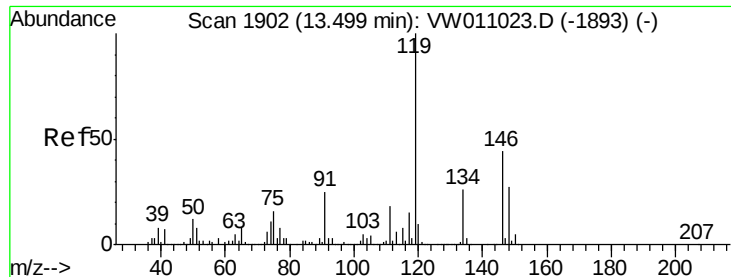
Tot Ion:105 Resp: 580605
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 49.196 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion:119 Resp: 525550
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.1 12.3 36.9

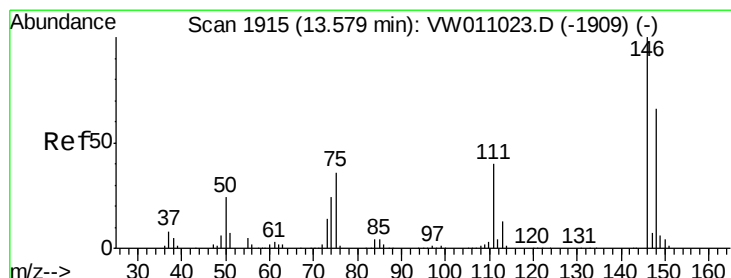
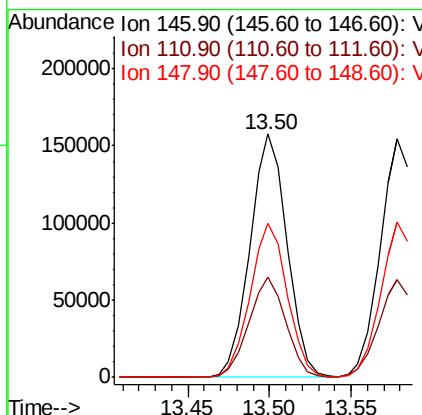
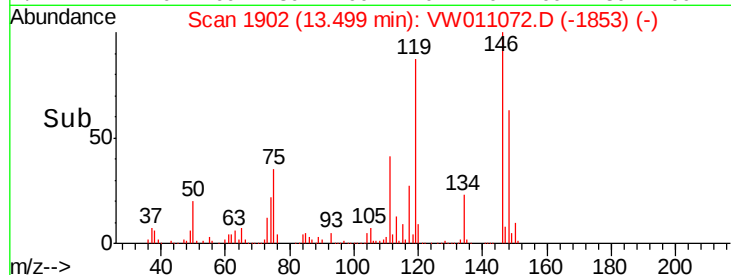
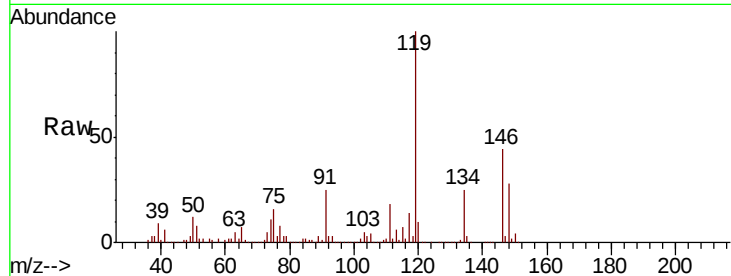




#87
 1,3-Dichlorobenzene
 Concen: 49.553 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

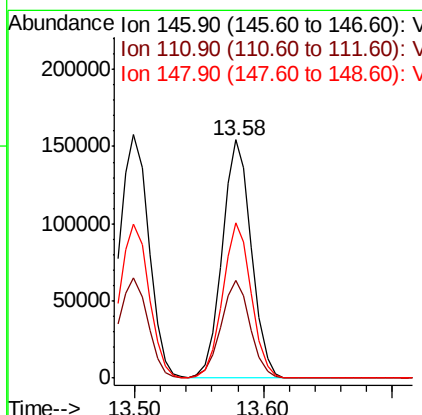
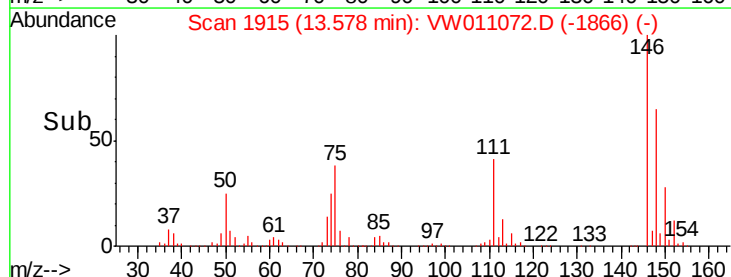
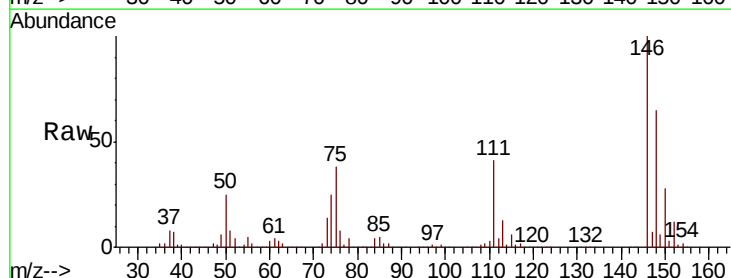
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

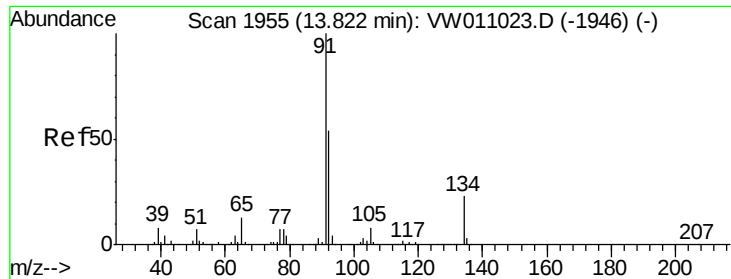
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	63.3	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.766 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.9	32.4	97.2





#89

n-Butylbenzene

Concen: 48.904 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

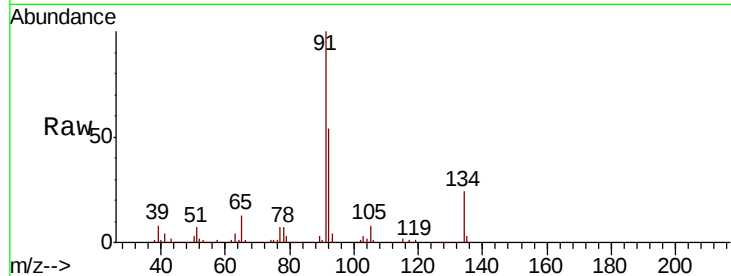
Tot Ion: 91 Resp: 530999

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

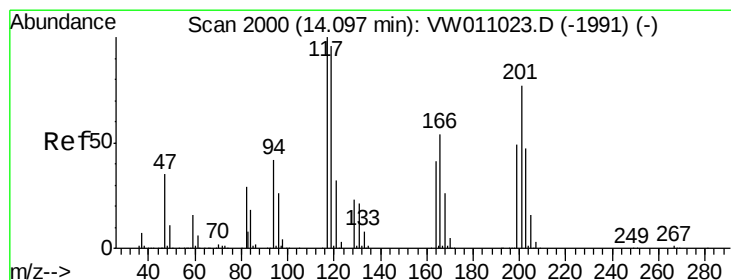
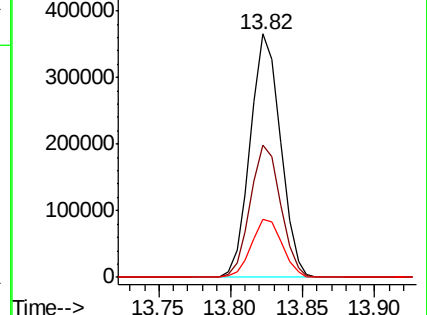
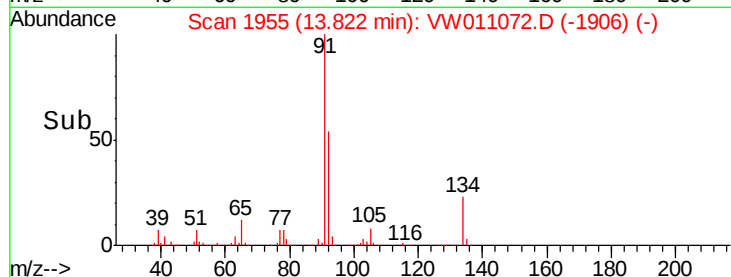
134 24.3 12.0 36.1



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: 49.165 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011072.D

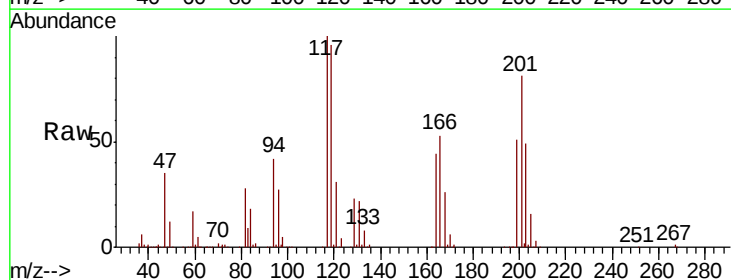
Acq: 28 Jun 2019 20:29

Tgt Ion: 117 Resp: 89865

Ion Ratio Lower Upper

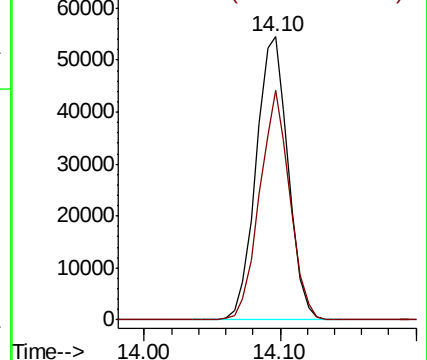
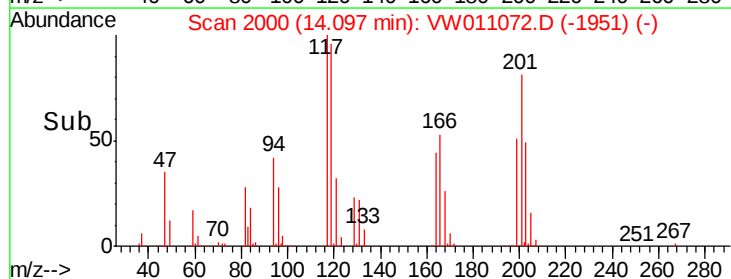
117 100

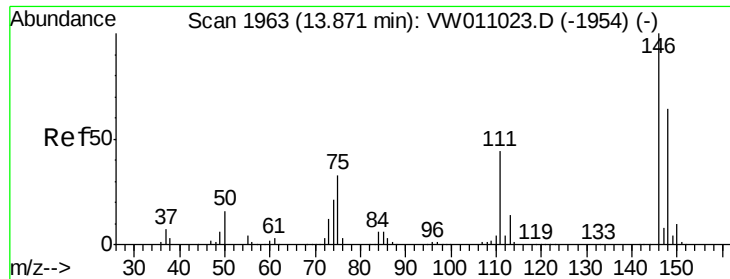
201 76.6 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.944 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

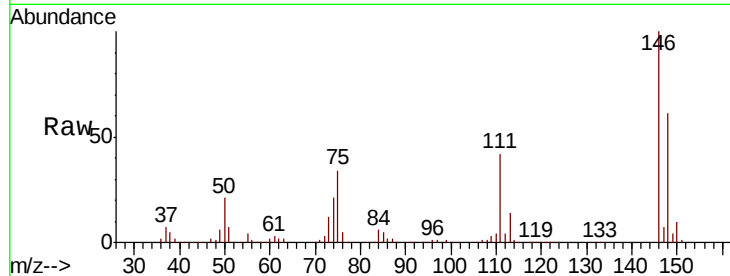
Tot Ion:146 Resp: 225496

Ion Ratio Lower Upper

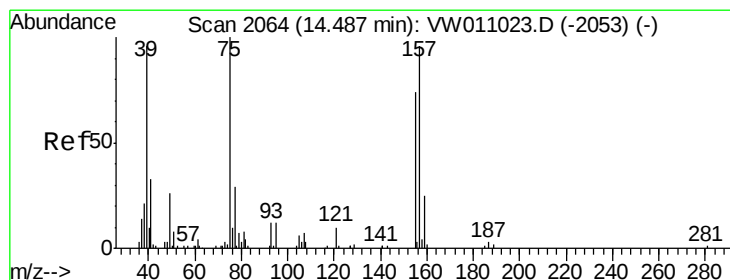
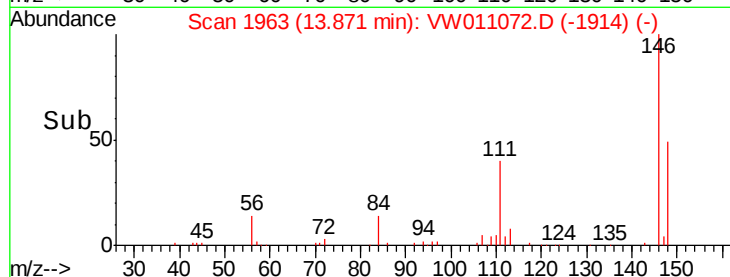
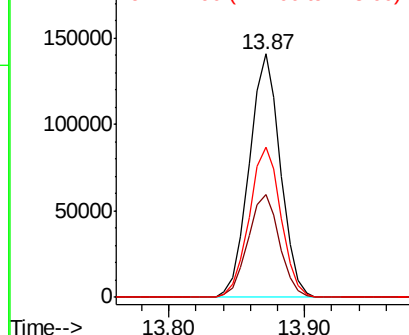
146 100

111 42.8 21.4 64.3

148 62.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.369 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011072.D

Acq: 28 Jun 2019 20:29

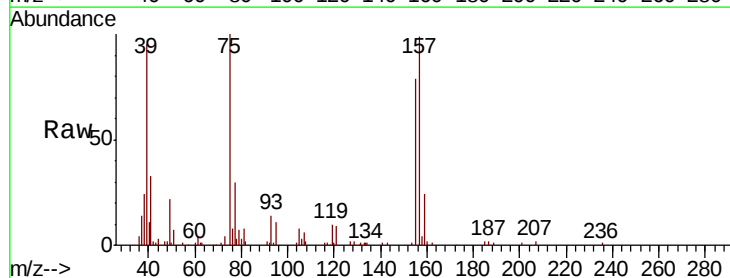
Tgt Ion: 75 Resp: 19821

Ion Ratio Lower Upper

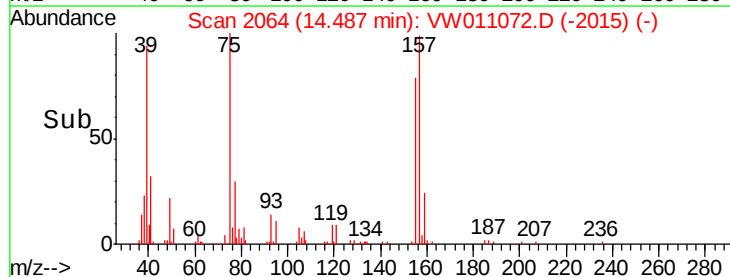
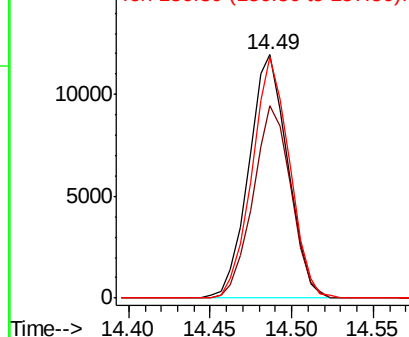
75 100

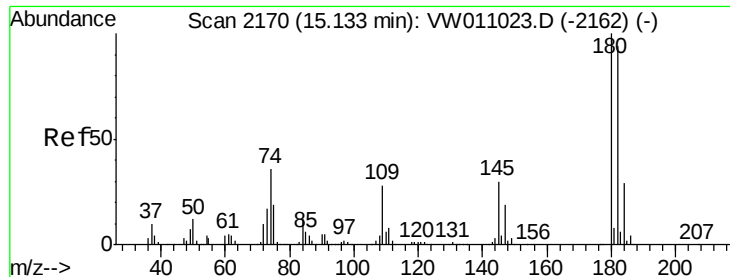
155 77.0 37.0 110.9

157 94.9 45.9 137.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

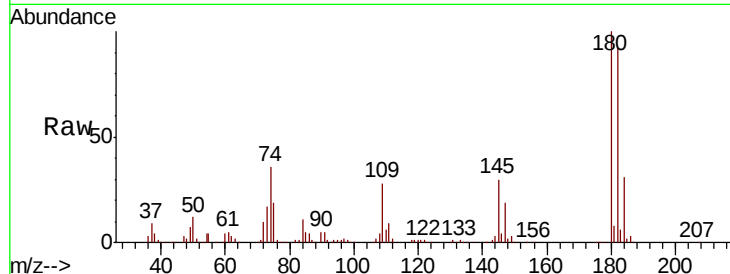




#93
 1,2,4-Trichlorobenzene
 Concen: 51.494 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	30.4	15.3	45.8

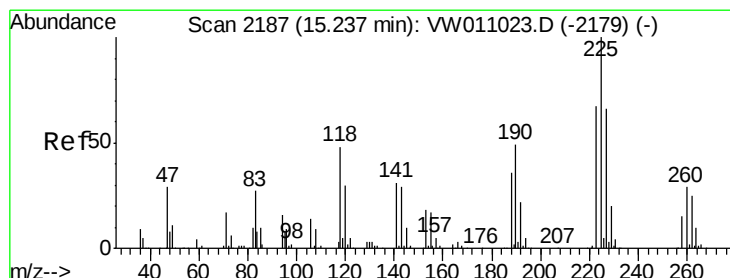
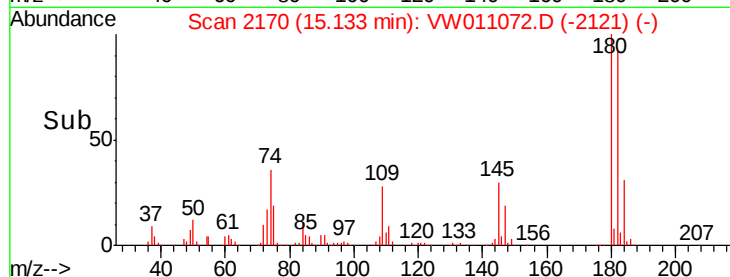
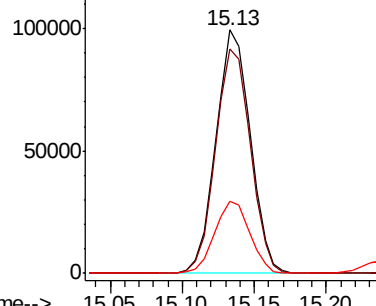


Abundance

Ion 179.80 (179.50 to 180.50): V

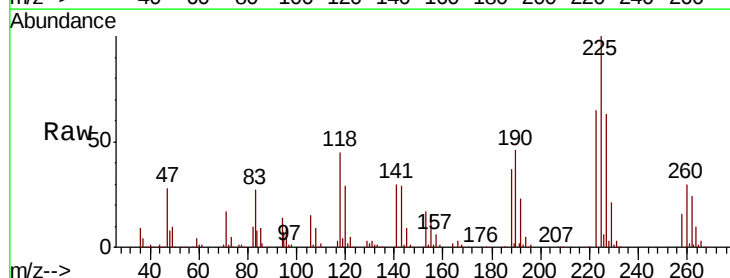
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.471 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011072.D
 Acq: 28 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.9
227	63.6	31.9	95.9

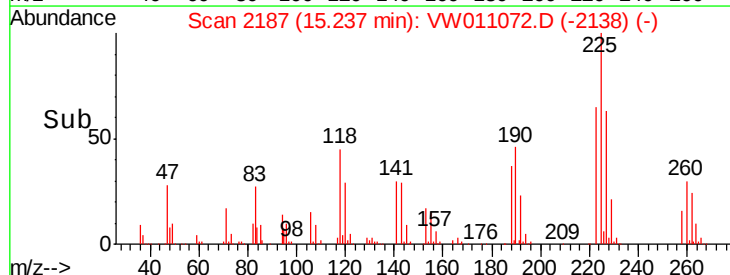
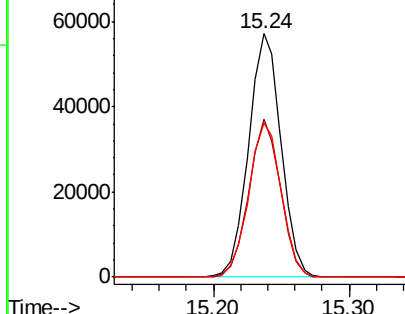


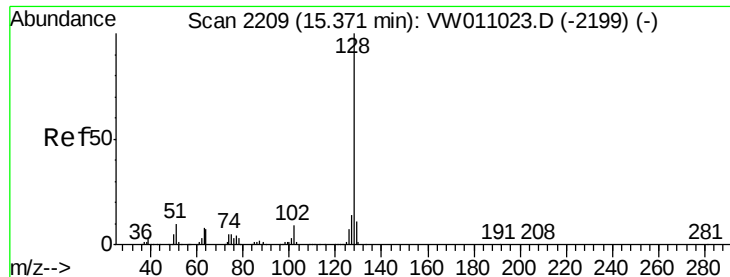
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

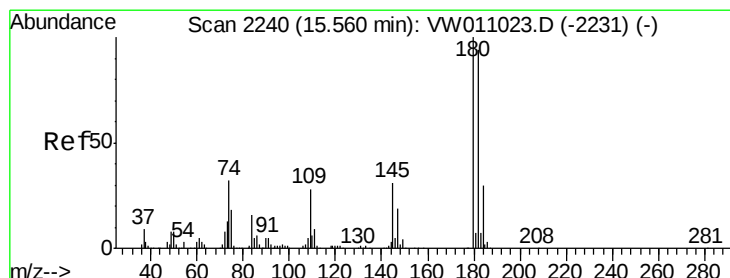
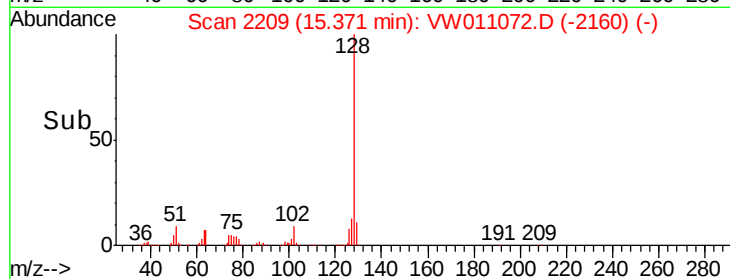
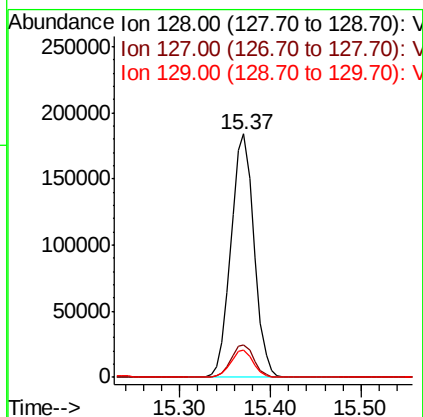
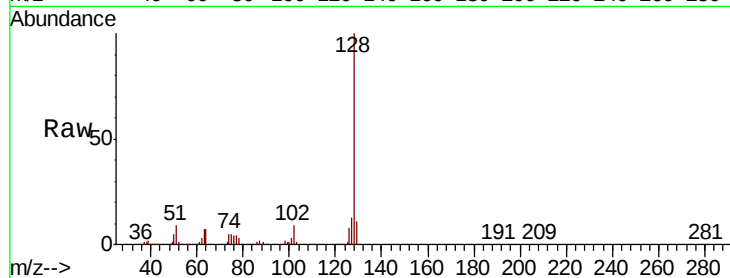




#95
Naphthalene
Concen: 54.350 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 324311
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.022 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011072.D
Acq: 28 Jun 2019 20:29

Tgt Ion:180 Resp: 144723
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 32.8 16.1 48.2

