

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011074.D
 Acq On : 01 Jul 2019 10:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 02 08:33:12 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	234629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161361	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	149372	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.88	113	118870	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.32	98	494898	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	174436	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	94794	53.594	ug/l	97
3) Chloromethane	2.21	50	116036	48.937	ug/l	99
4) Vinyl Chloride	2.36	62	158037	51.190	ug/l	99
5) Bromomethane	2.77	94	78057	50.795	ug/l	97
6) Chloroethane	2.92	64	85614	52.599	ug/l	99
7) Trichlorofluoromethane	3.25	101	54645	60.232	ug/l	91
8) Diethyl Ether	3.68	74	70638	49.163	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133264	52.228	ug/l	99
10) Methyl Iodide	4.27	142	181827	50.933	ug/l	100
11) Tert butyl alcohol	5.16	59	48455	217.515	ug/l	99
12) 1,1-Dichloroethene	4.04	96	137417	51.740	ug/l	97
13) Acrolein	3.89	56	46659	268.596	ug/l	100
14) Allyl chloride	4.66	41	258382	60.445	ug/l	99
15) Acrylonitrile	5.36	53	172237	243.427	ug/l	99
16) Acetone	4.11	43	197465	263.747	ug/l	97
17) Carbon Disulfide	4.38	76	419943	55.734	ug/l	100
18) Methyl Acetate	4.66	43	79495	40.990	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	188291	50.089	ug/l	98
20) Methylene Chloride	4.92	84	140707	46.256	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	140982	51.514	ug/l	98
22) Diisopropyl ether	6.31	45	522010	50.746	ug/l	97
23) Vinyl Acetate	6.25	43	1640725	258.862	ug/l	99
24) 1,1-Dichloroethane	6.21	63	277771	51.157	ug/l	100
25) 2-Butanone	7.17	43	266836	234.470	ug/l	98
26) 2,2-Dichloropropane	7.16	77	151056	53.581	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	149391	50.697	ug/l	99
28) Bromochloromethane	7.51	49	106790	42.247	ug/l	97
29) Tetrahydrofuran	7.52	42	164292	231.907	ug/l	99
30) Chloroform	7.67	83	252039	51.093	ug/l	99
31) Cyclohexane	7.95	56	288641	49.197	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	198889	53.956	ug/l	99
36) 1,1-Dichloropropene	8.08	75	216042	53.223	ug/l	100
37) Ethyl Acetate	7.24	43	110768	46.907	ug/l	98
38) Carbon Tetrachloride	8.06	117	184568	55.212	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	267058	53.459	ug/l	97
40) Benzene	8.32	78	584790	52.379	ug/l	100
41) Methacrylonitrile	7.48	41	64163	44.660	ug/l	93
42) 1,2-Dichloroethane	8.40	62	180200	49.226	ug/l	99
43) Isopropyl Acetate	8.42	43	216764	48.523	ug/l	100
44) Trichloroethene	9.09	130	141719	52.523	ug/l	97
45) 1,2-Dichloropropane	9.37	63	156243	51.534	ug/l	98
46) Dibromomethane	9.45	93	70865	49.977	ug/l	99
47) Bromodichloromethane	9.64	83	188585	53.718	ug/l	99
48) Methyl methacrylate	9.43	41	103066	47.583	ug/l	99
49) 1,4-Dioxane	9.44	88	23765	996.808	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	555819	236.368	ug/l	100
52) Toluene	10.38	92	357628	52.320	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	197826	54.100	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235787	54.055	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98736	49.287	ug/l	98
56) Ethyl methacrylate	10.65	69	148694	49.567	ug/l	98
57) 1,3-Dichloropropane	10.93	76	187429	49.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	354177	233.345	ug/l	99
59) 2-Hexanone	10.97	43	401130	244.612	ug/l	99
60) Dibromochloromethane	11.13	129	111313	52.988	ug/l	98
61) 1,2-Dibromoethane	11.23	107	92324	49.229	ug/l	100
64) Tetrachloroethene	10.86	164	114401	50.417	ug/l	96
65) Chlorobenzene	11.66	112	353743	52.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	124985	54.541	ug/l	98
67) Ethyl Benzene	11.73	91	694360	53.713	ug/l	100
68) m/p-Xylenes	11.84	106	503300	107.294	ug/l	100
69) o-Xylene	12.16	106	233818	53.515	ug/l	100
70) Styrene	12.18	104	407611	53.687	ug/l	99
71) Bromoform	12.35	173	60609	54.253	ug/l #	98
73) Isopropylbenzene	12.46	105	657131	54.361	ug/l	100
74) N-amyl acetate	12.27	43	206802	50.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117903	49.668	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	160552	94.245	ug/l #	100
77) Bromobenzene	12.75	156	139721	52.585	ug/l	99
78) n-propylbenzene	12.80	91	818778	54.696	ug/l	99
79) 2-Chlorotoluene	12.89	91	454664	53.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	560692	54.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39982	49.943	ug/l	96
82) 4-Chlorotoluene	12.99	91	475222	53.322	ug/l	100
83) tert-Butylbenzene	13.21	119	467885	54.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	561185	54.189	ug/l	99
85) sec-Butylbenzene	13.38	105	681917	54.942	ug/l	100
86) p-Isopropyltoluene	13.50	119	614792	55.044	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	279127	53.108	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	273713	52.170	ug/l	99
89) n-Butylbenzene	13.82	91	625011	55.056	ug/l	100
90) Hexachloroethane	14.09	117	109827	57.470	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	244410	51.776	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20133	49.905	ug/l	100

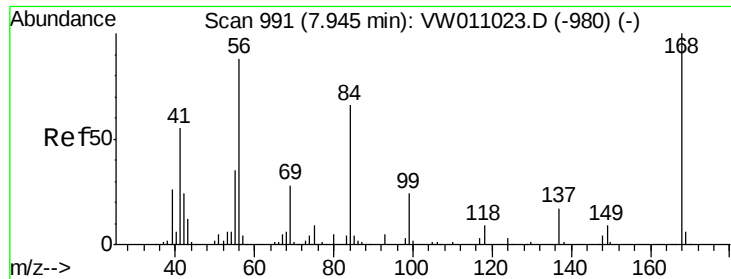
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	175814	52.936	ug/l	99
94) Hexachlorobutadiene	15.24	225	110556	54.882	ug/l	100
95) Naphthalene	15.37	128	320783	51.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	153610	51.796	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: VW011074.D

Acq: 01 Jul 2019 10:05

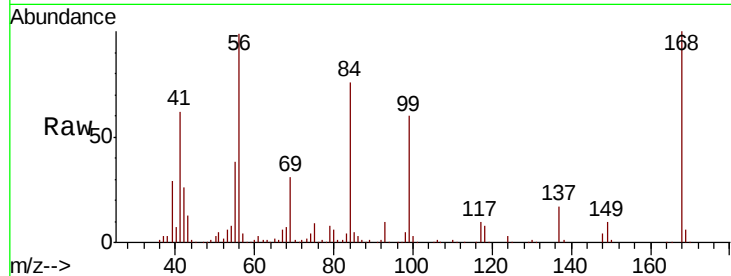
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 234629

Ion Ratio Lower Upper

168 100

99 60.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

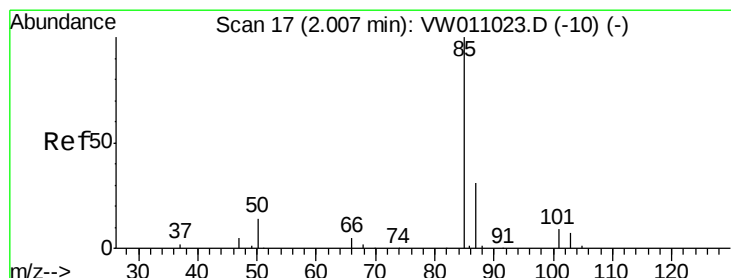
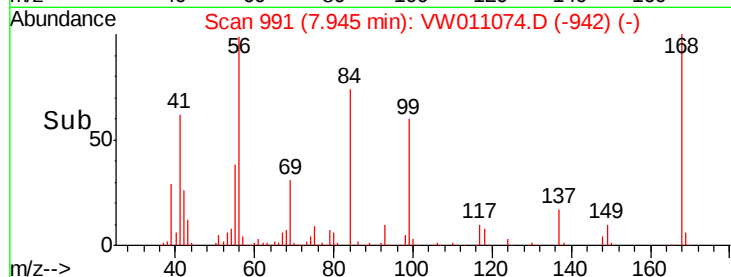
40000

20000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 53.594 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011074.D

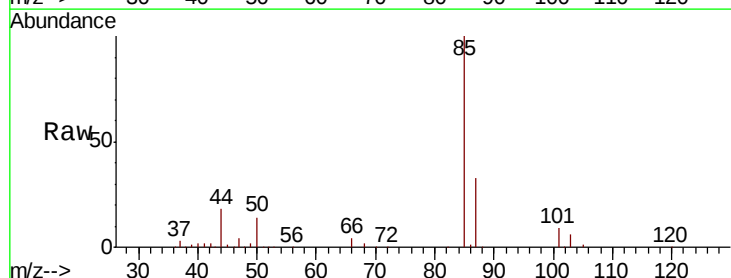
Acq: 01 Jul 2019 10:05

Tgt Ion: 85 Resp: 94794

Ion Ratio Lower Upper

85 100

87 33.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

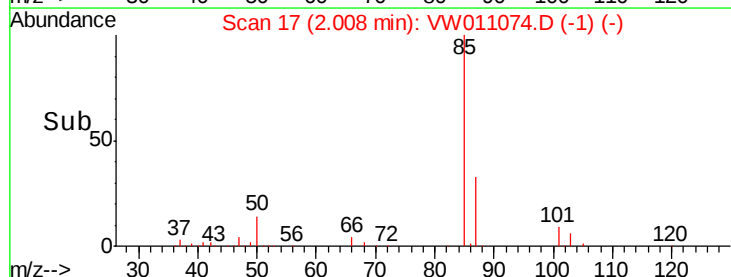
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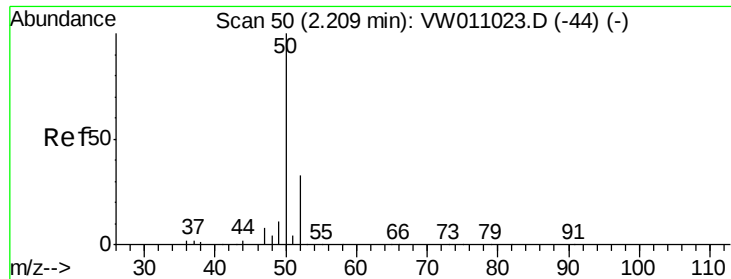
10000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.937 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

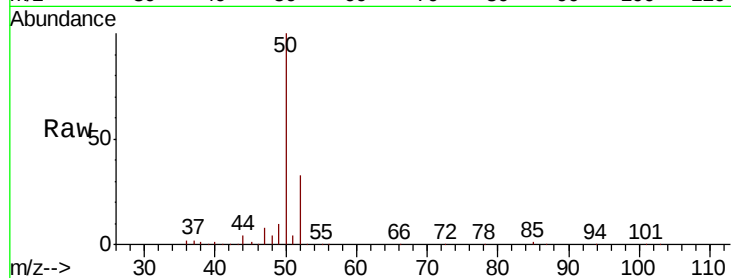
VSTDCCC050

Tot Ion: 50 Resp: 116036

Ion Ratio Lower Upper

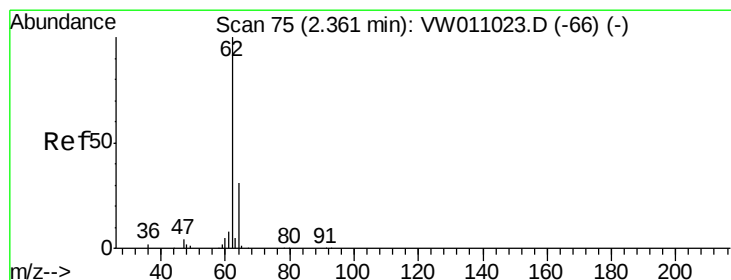
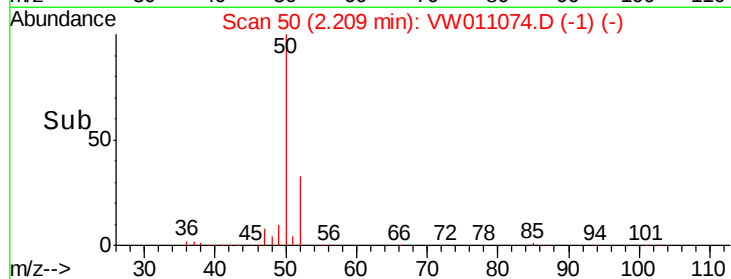
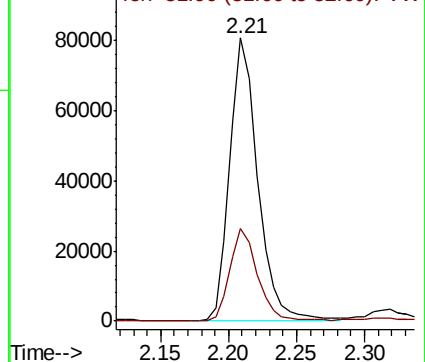
50 100

52 32.6 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: 51.190 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011074.D

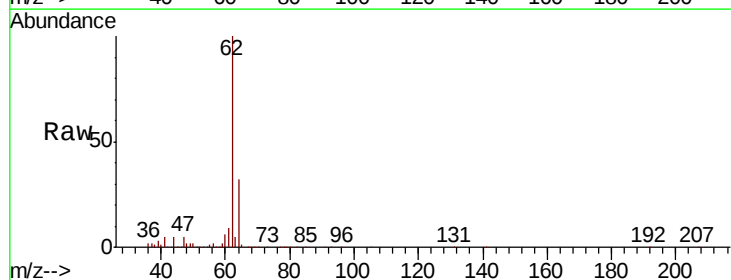
Acq: 01 Jul 2019 10:05

Tgt Ion: 62 Resp: 158037

Ion Ratio Lower Upper

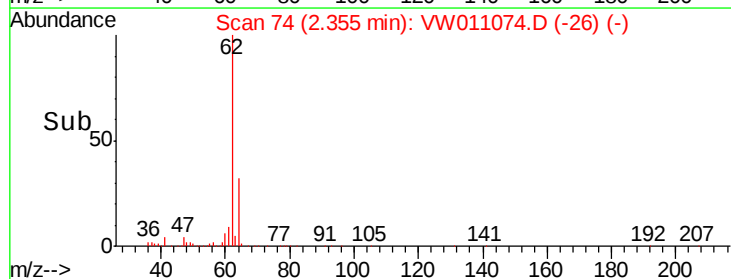
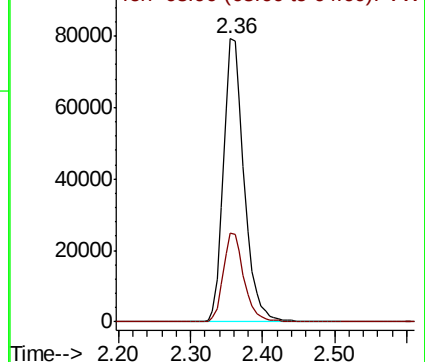
62 100

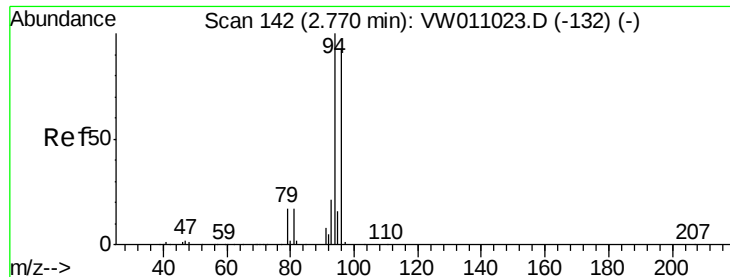
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.795 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

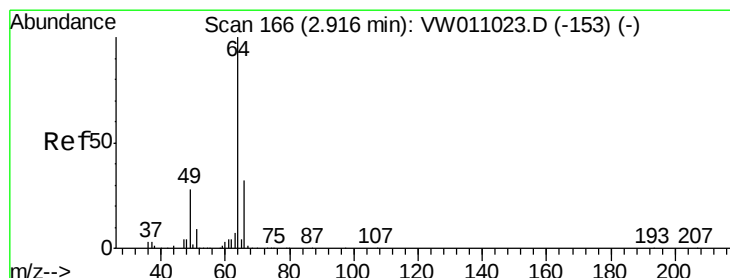
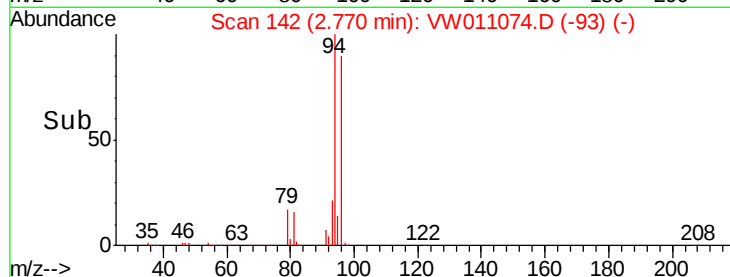
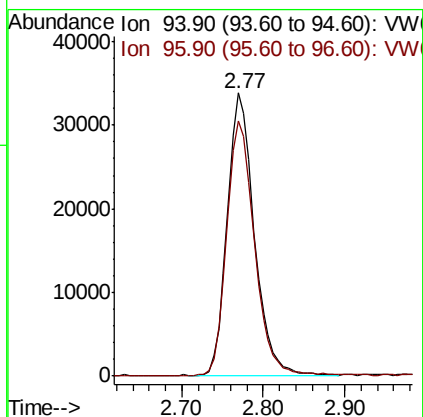
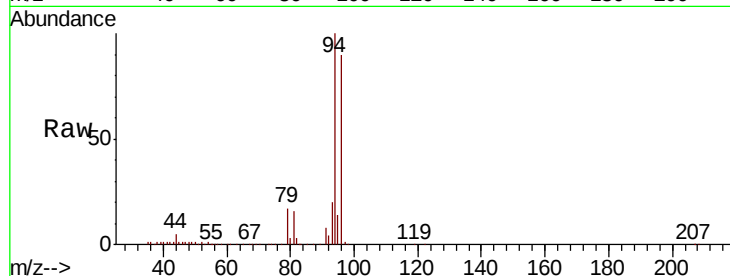
VSTDCCC050

Tot Ion: 94 Resp: 78057

Ion Ratio Lower Upper

94 100

96 89.8 74.2 111.2



#6

Chloroethane

Concen: 52.599 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011074.D

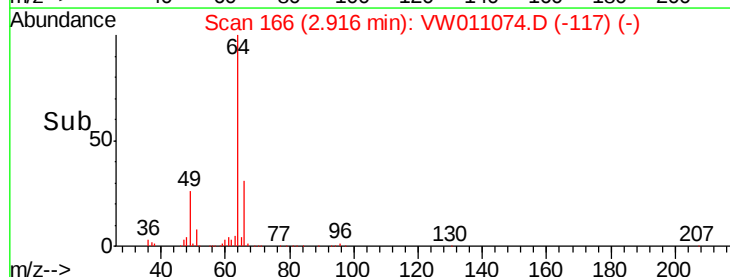
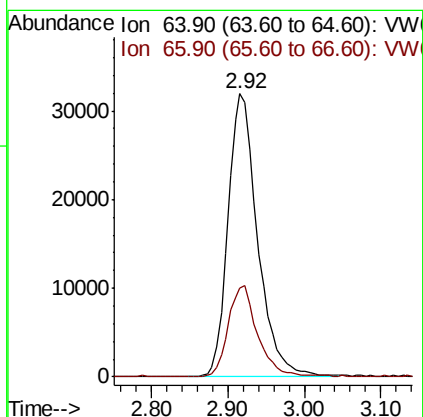
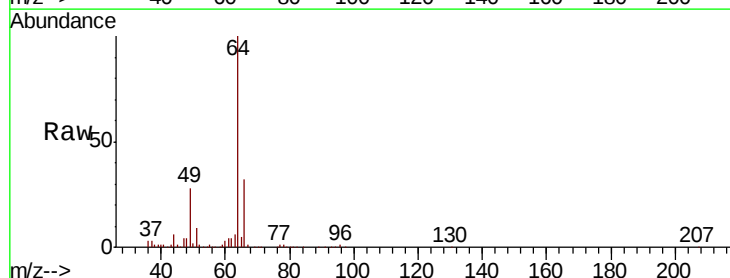
Acq: 01 Jul 2019 10:05

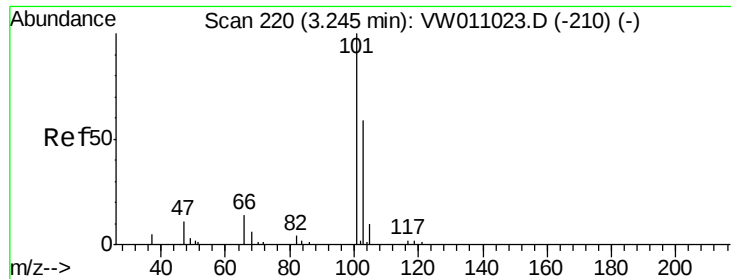
Tgt Ion: 64 Resp: 85614

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5



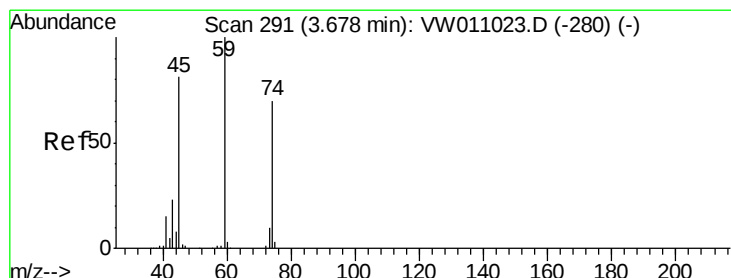
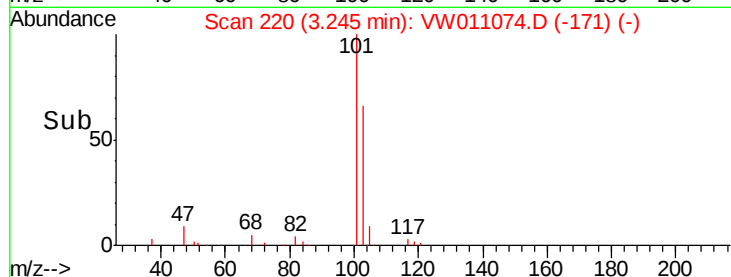
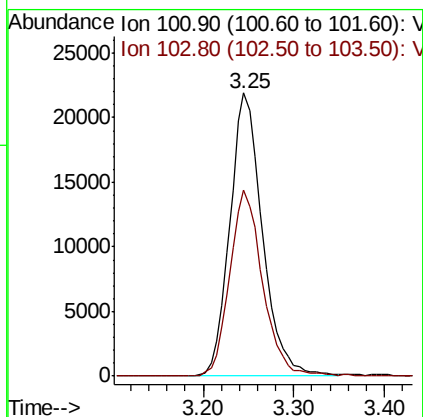
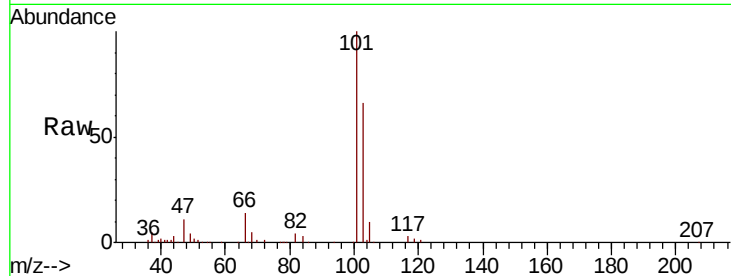


#7

Trichlorofluoromethane
 Concen: 60.232 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011074.D
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 VSTDCCC050

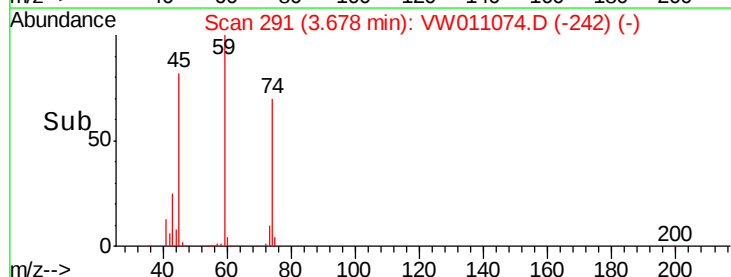
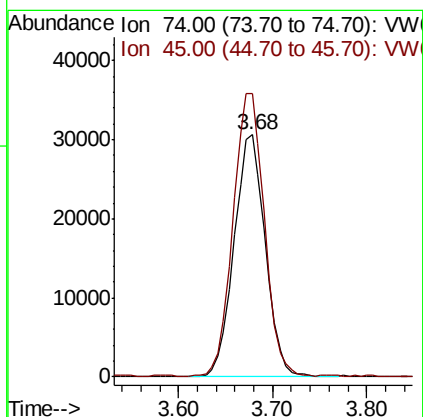
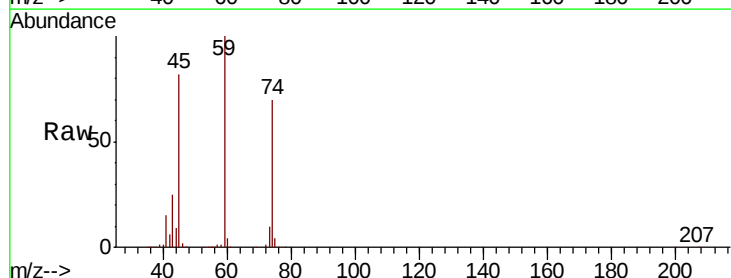
Tot Ion:101 Resp: 54645
 Ion Ratio Lower Upper
 101 100
 103 65.8 47.5 71.3

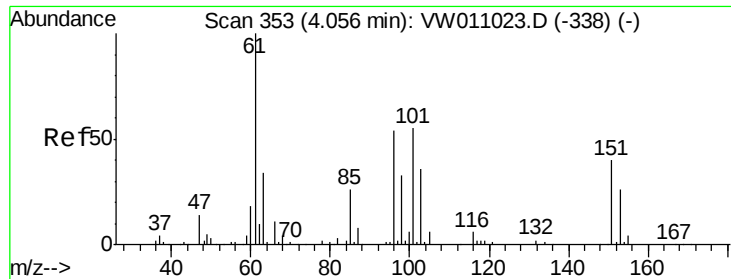


#8

Diethyl Ether
 Concen: 49.163 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 74 Resp: 70638
 Ion Ratio Lower Upper
 74 100
 45 116.8 59.5 178.5

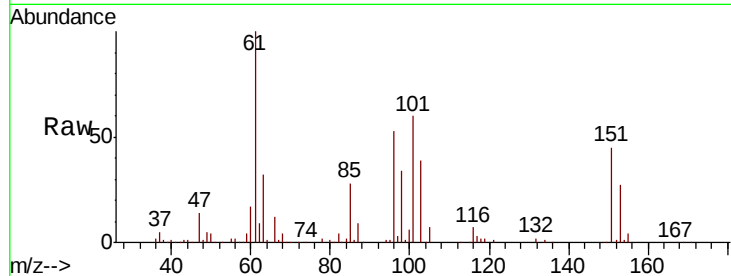




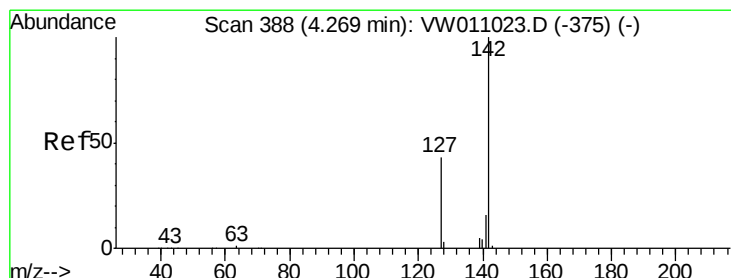
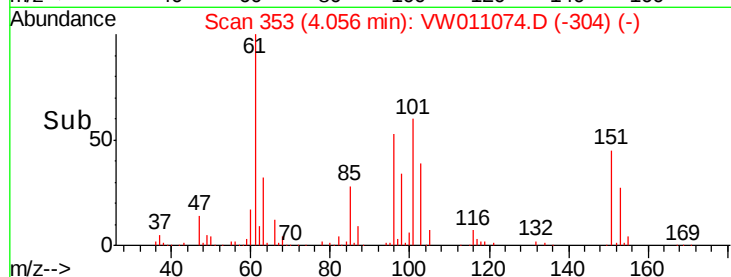
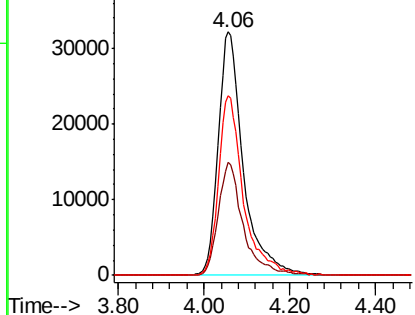
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.228 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VW011074.D
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 VSTDCCC050

Tot Ion:101 Resp: 133264
 Ion Ratio Lower Upper
 101 100
 85 45.9 36.6 55.0
 151 72.8 58.9 88.3

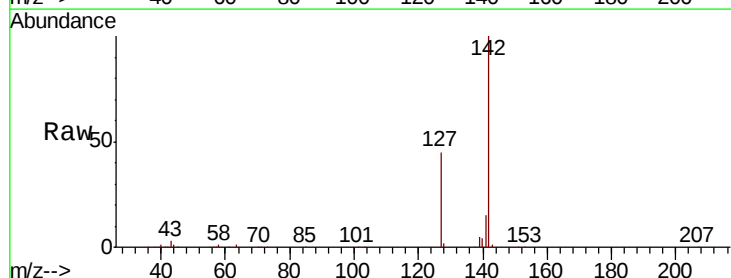


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

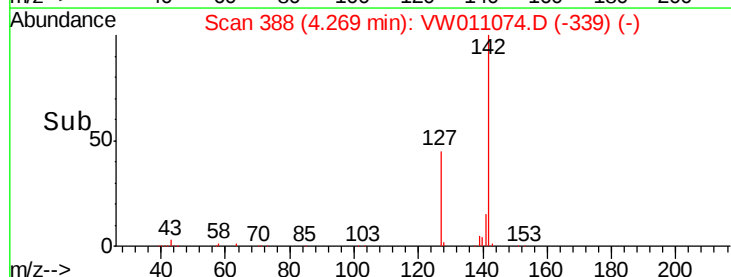
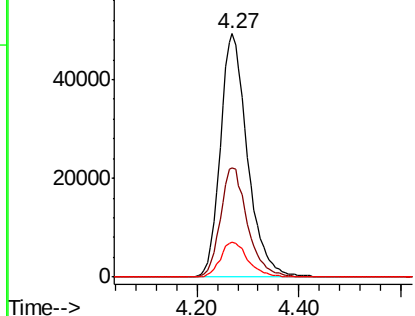


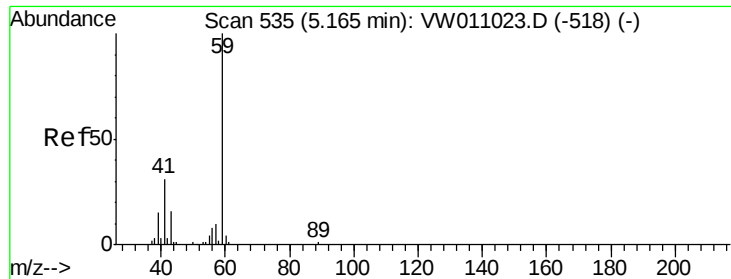
#10
 Methyl Iodide
 Concen: 50.933 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion:142 Resp: 181827
 Ion Ratio Lower Upper
 142 100
 127 44.9 35.8 53.8
 141 14.8 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



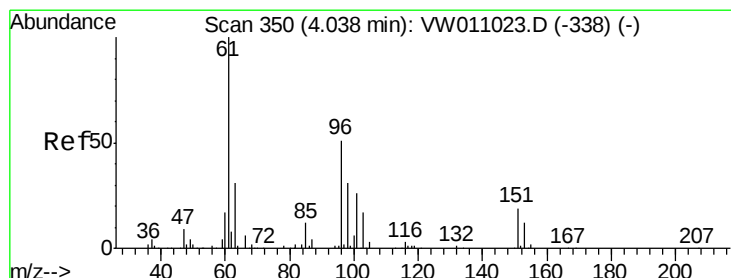
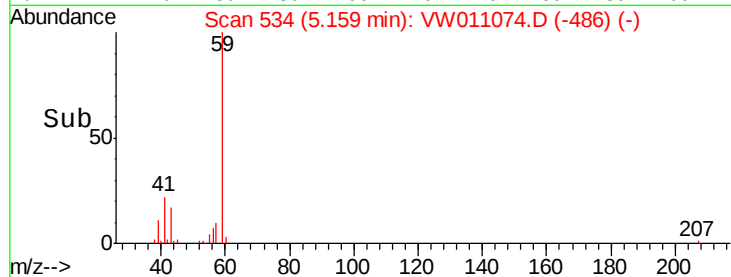
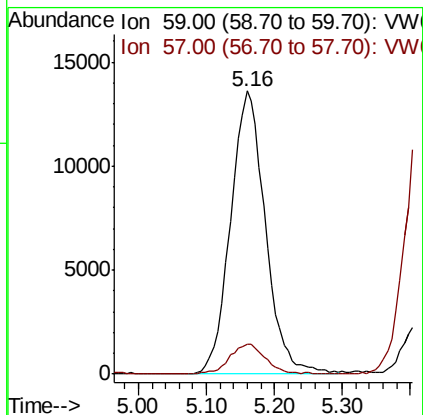
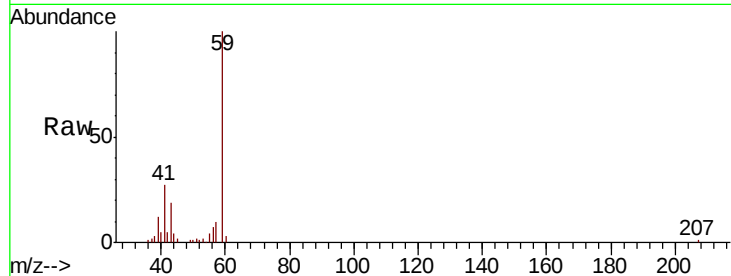


#11

Tert butyl alcohol
 Concen: 217.515 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

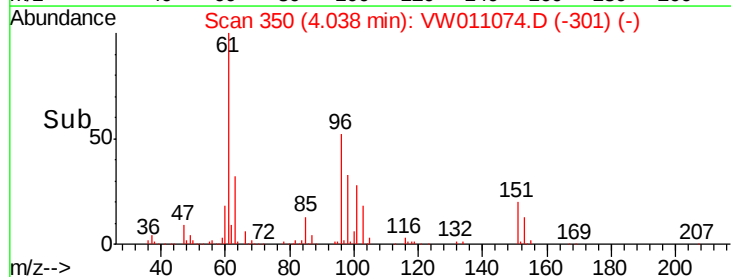
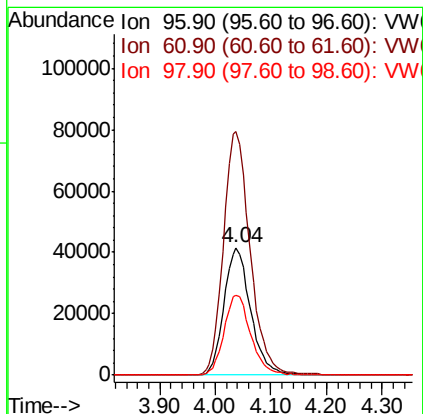
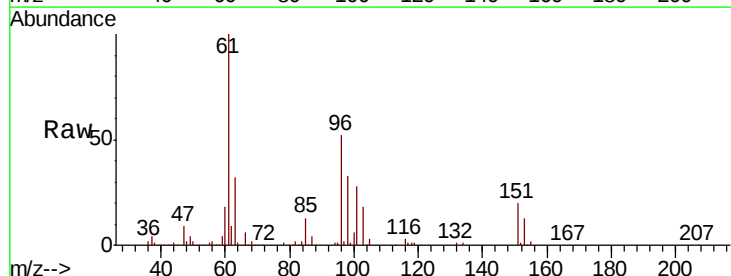
Tot Ion: 59 Resp: 48455
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

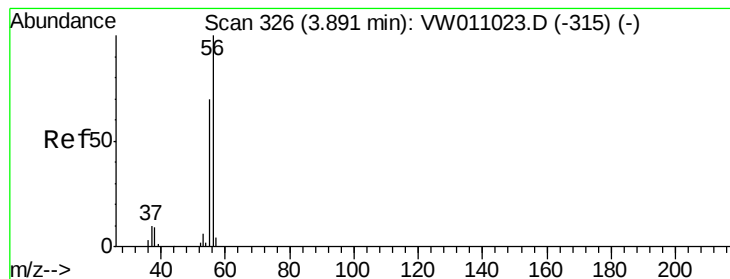


#12

1,1-Dichloroethene
 Concen: 51.740 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 96 Resp: 137417
 Ion Ratio Lower Upper
 96 100
 61 190.7 156.0 234.0
 98 62.4 48.7 73.1





#13

Acrolein

Concen: 268.596 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

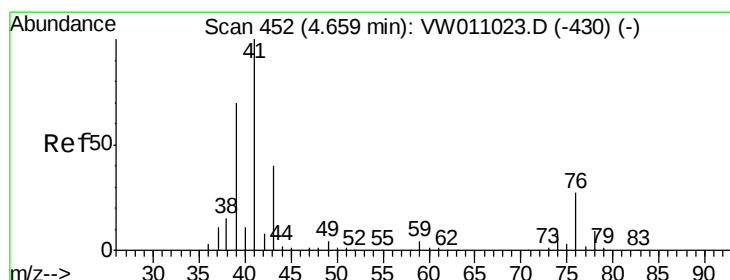
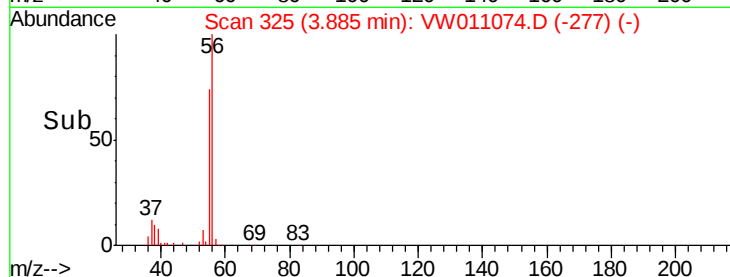
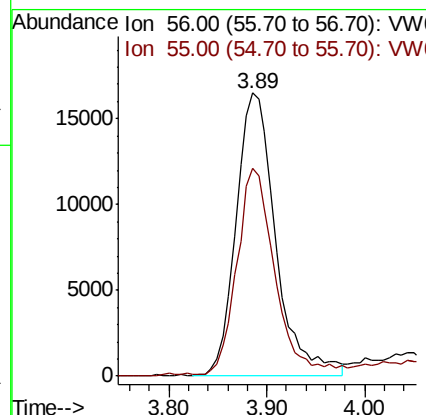
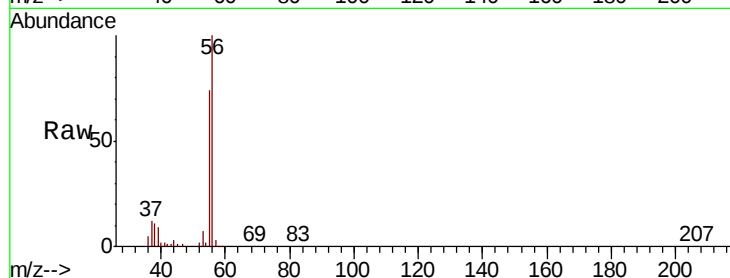
VSTDCCC050

Tot Ion: 56 Resp: 46659

Ion Ratio Lower Upper

56 100

55 69.8 55.7 83.5



#14

Allyl chloride

Concen: 60.445 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

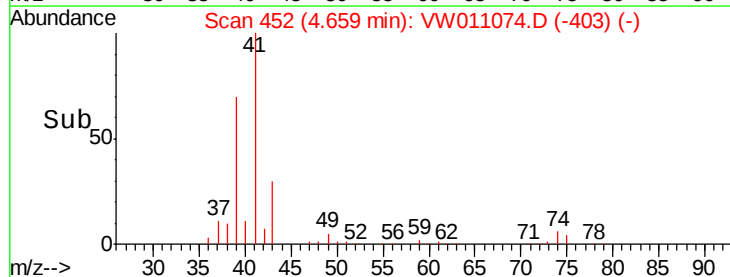
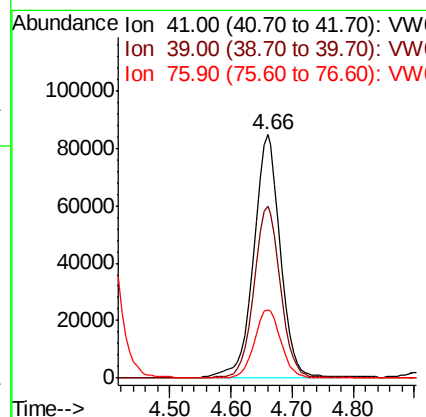
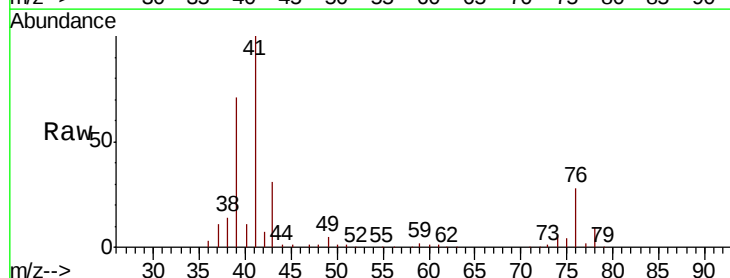
Tgt Ion: 41 Resp: 258382

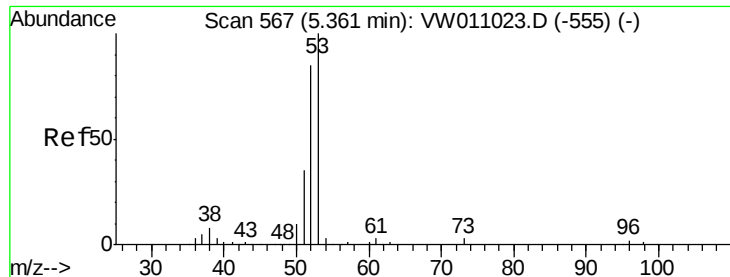
Ion Ratio Lower Upper

41 100

39 70.1 55.4 83.2

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 243.427 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

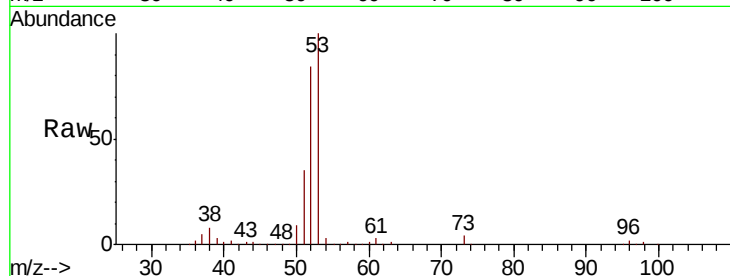
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 172237

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.3	99.5
51	36.5	29.8	44.6

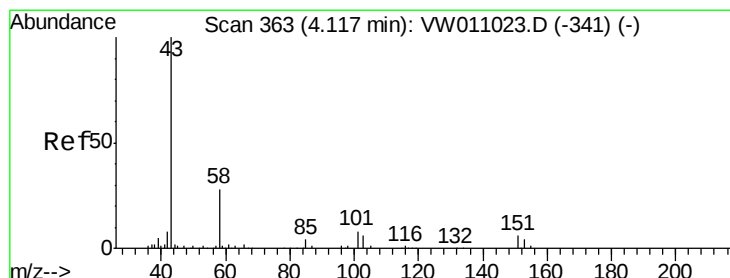
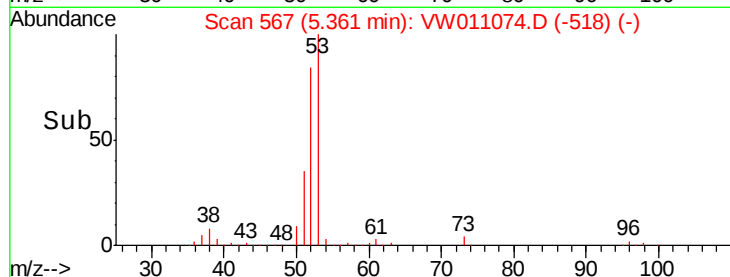
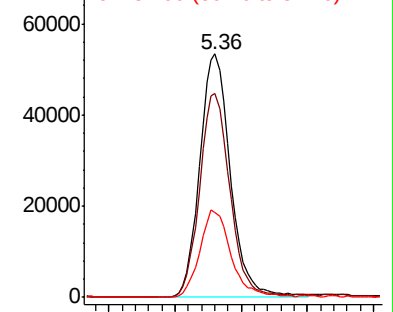


Abundance

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: 263.747 ug/l

RT: 4.11 min Scan# 362

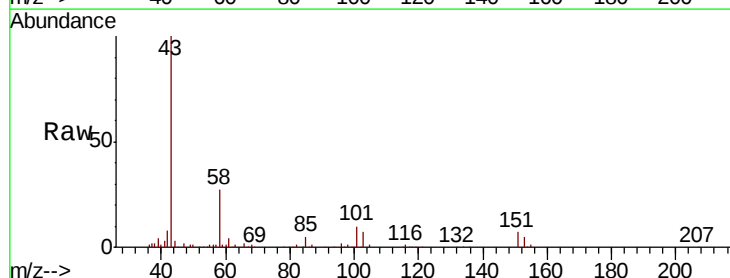
Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion: 43 Resp: 197465

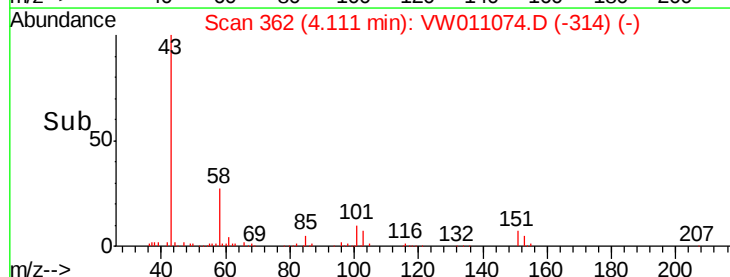
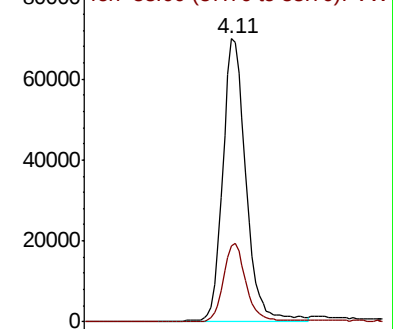
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.5	33.7

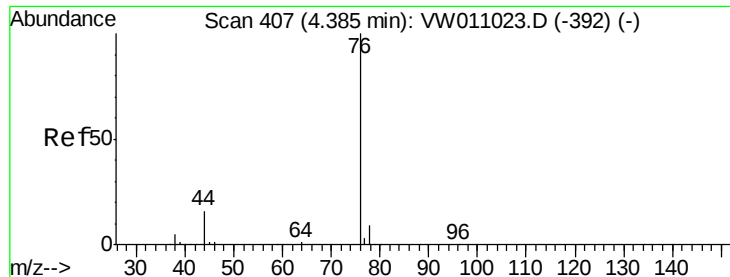


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

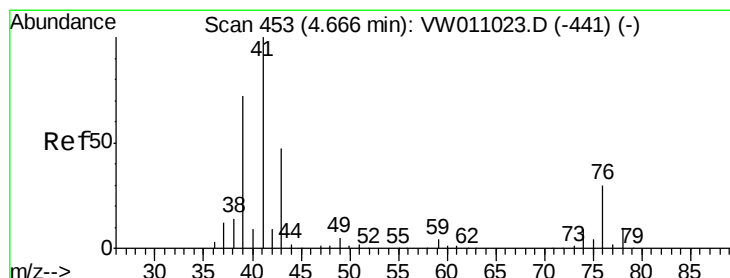
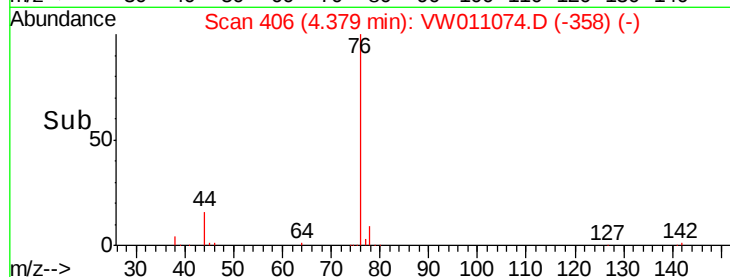
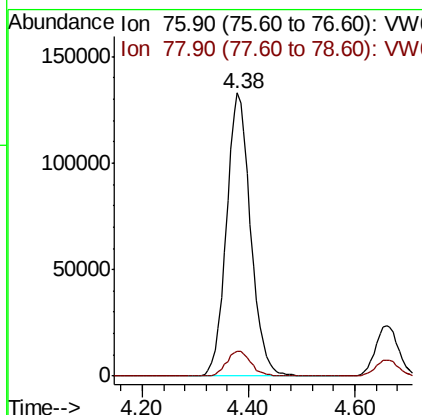
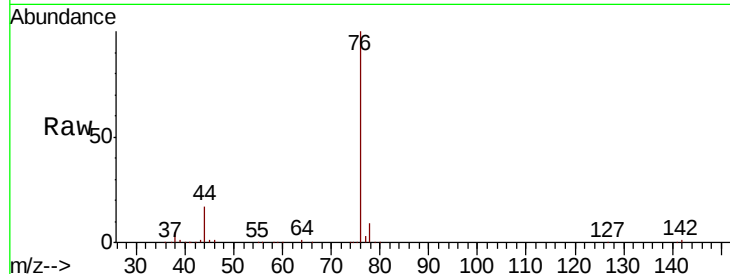




#17
Carbon Disulfide
Concen: 55.734 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

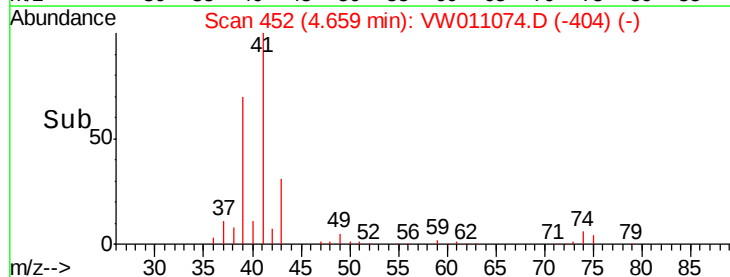
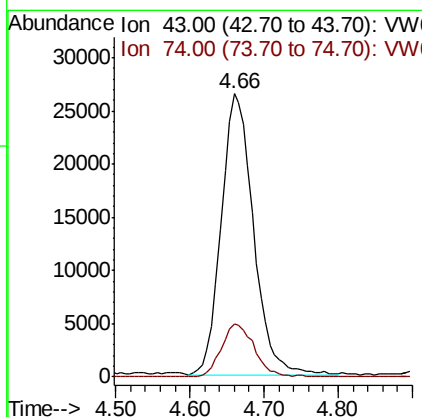
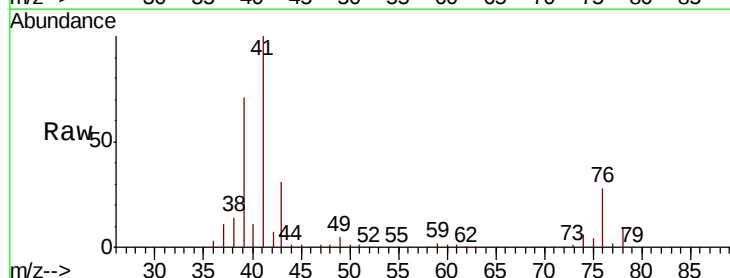
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

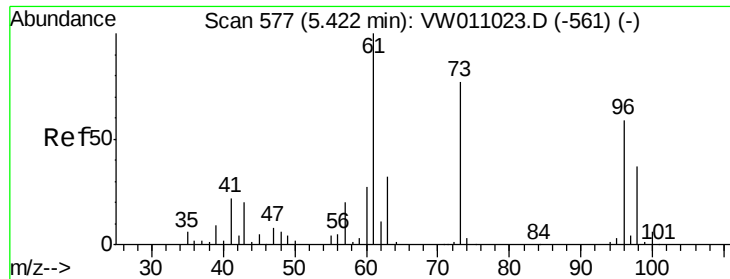
Tot Ion: 76 Resp: 419943
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 40.990 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 43 Resp: 79495
Ion Ratio Lower Upper
43 100
74 19.1 15.8 23.8

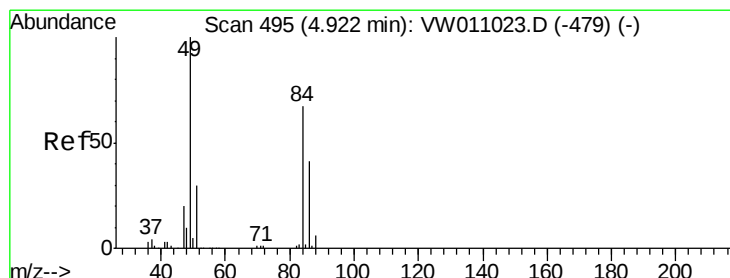
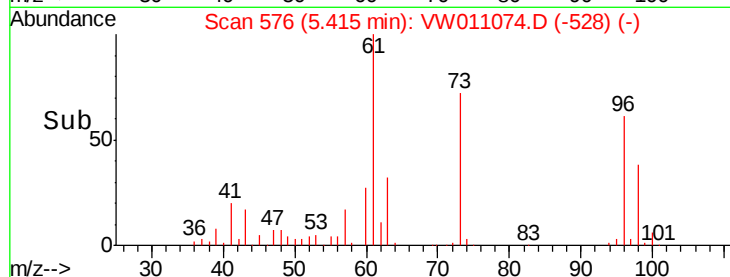
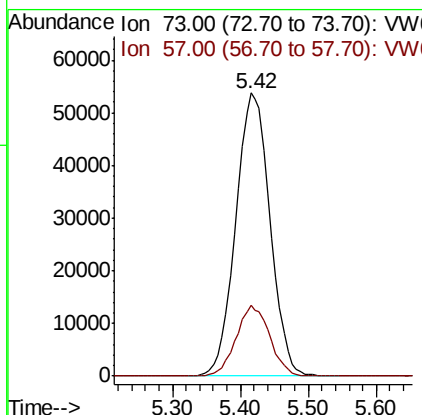
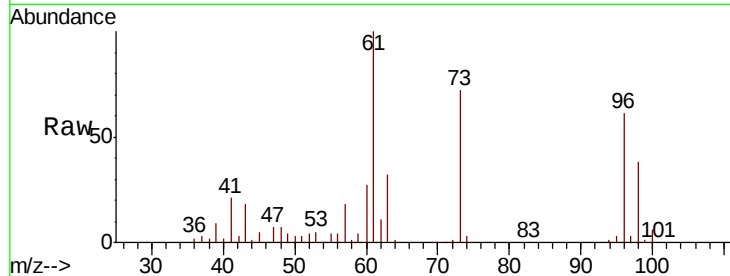




#19
Methyl tert-butyl Ether
Concen: 50.089 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

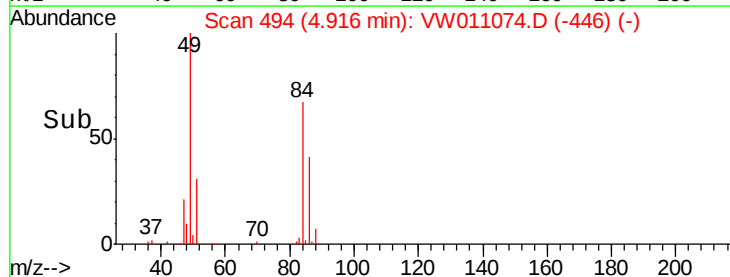
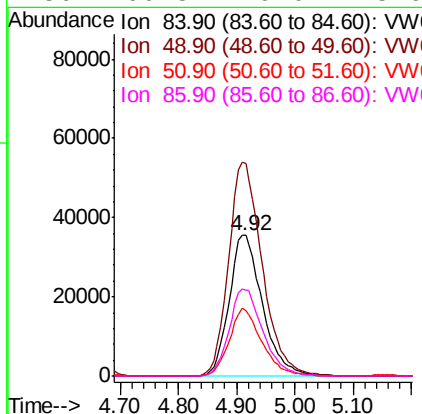
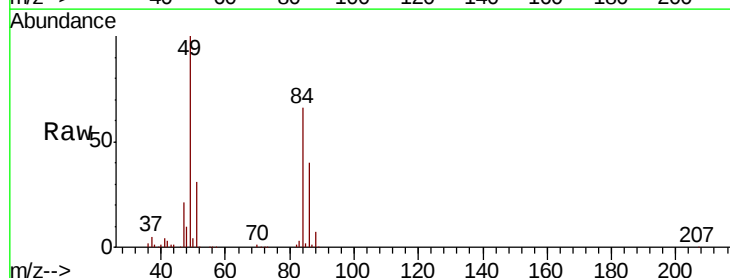
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

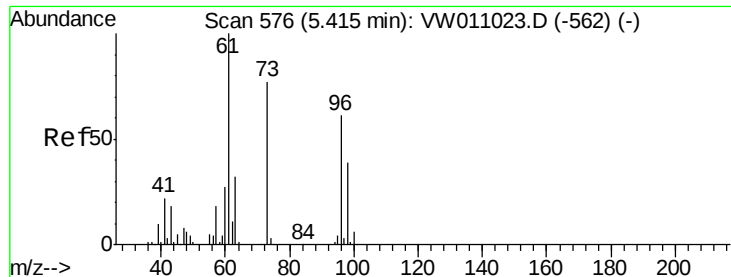
Tot Ion: 73 Resp: 188291
Ion Ratio Lower Upper
73 100
57 24.9 20.8 31.2



#20
Methylene Chloride
Concen: 46.256 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 84 Resp: 140707
Ion Ratio Lower Upper
84 100
49 151.1 119.6 179.4
51 46.3 35.6 53.4
86 60.8 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 51.514 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

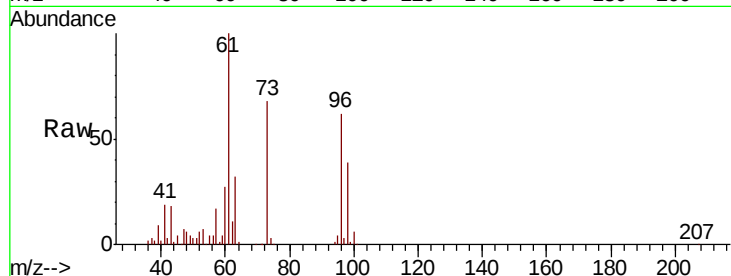
Tot Ion: 96 Resp: 140982

Ion Ratio Lower Upper

96 100

61 161.1 131.0 196.4

98 62.6 50.8 76.2

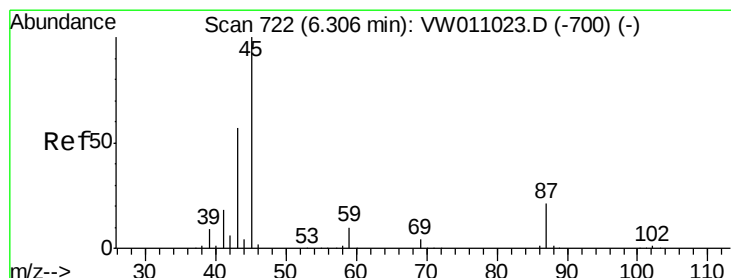
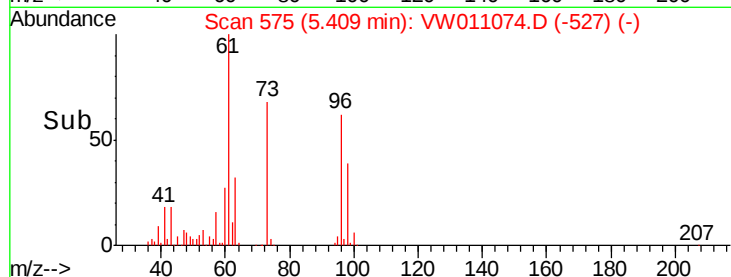
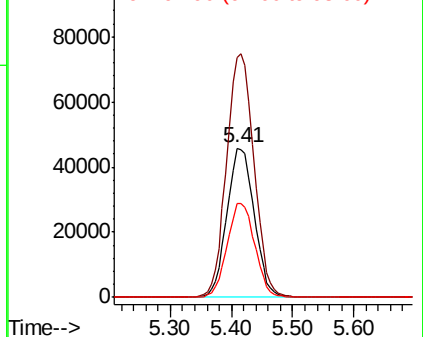


Abundance

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: 50.746 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion: 45 Resp: 522010

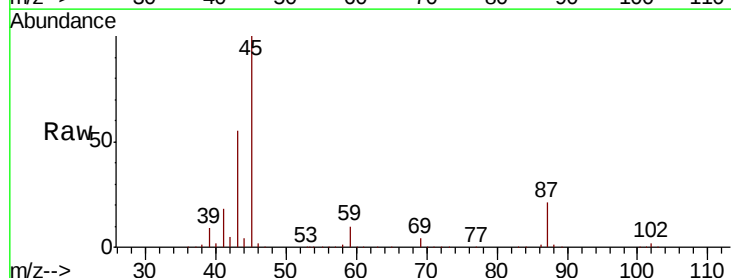
Ion Ratio Lower Upper

45 100

43 54.5 45.8 68.6

87 21.2 17.1 25.7

59 10.3 8.2 12.4



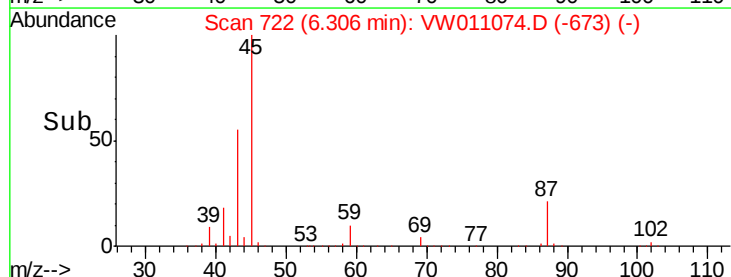
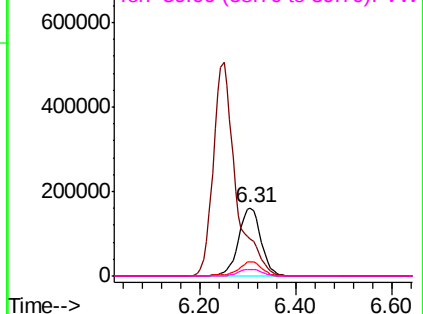
Abundance

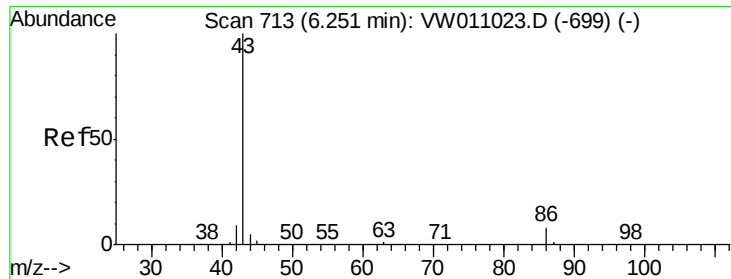
Ion 45.00 (44.70 to 45.70): VW

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: 258.862 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

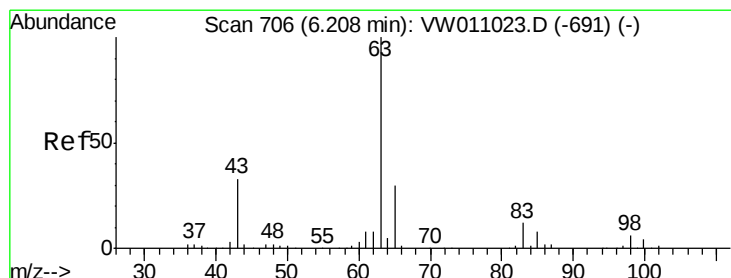
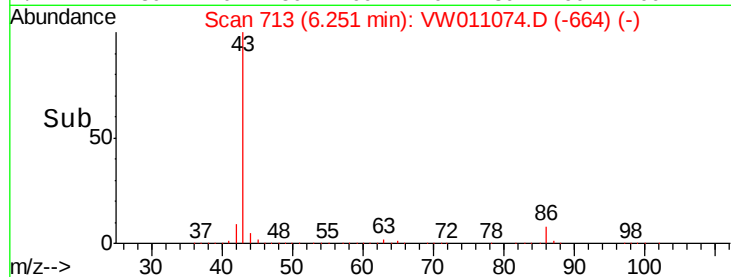
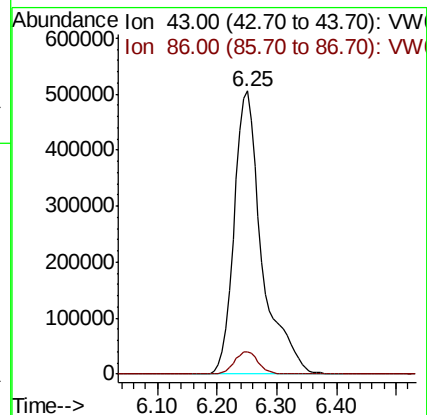
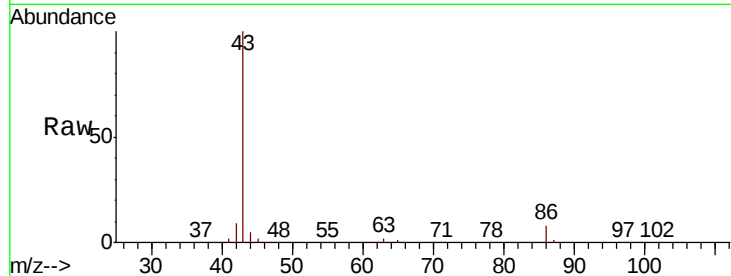
VSTDCCC050

Tot Ion: 43 Resp: 1640725

Ion Ratio Lower Upper

43 100

86 7.9 6.6 10.0



#24

1,1-Dichloroethane

Concen: 51.157 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

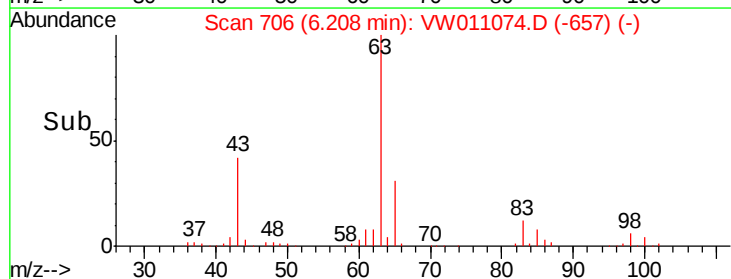
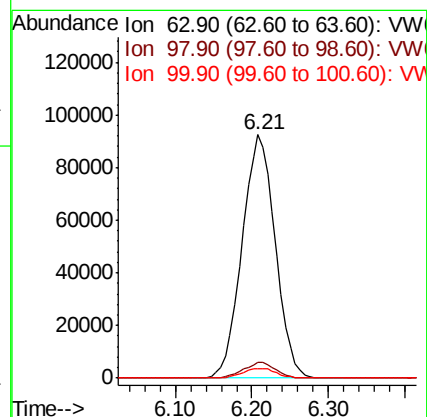
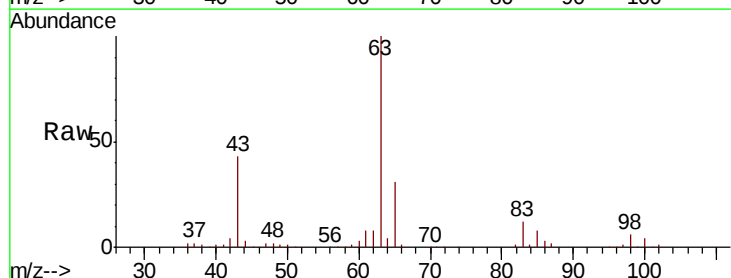
Tgt Ion: 63 Resp: 277771

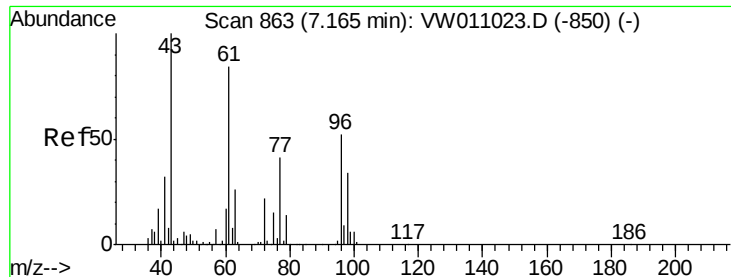
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 234.470 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

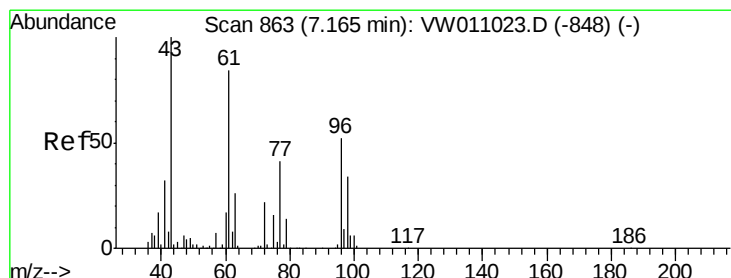
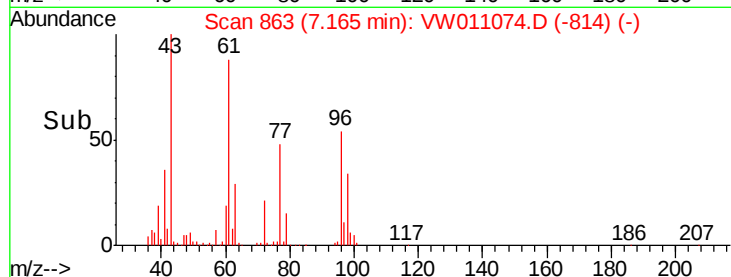
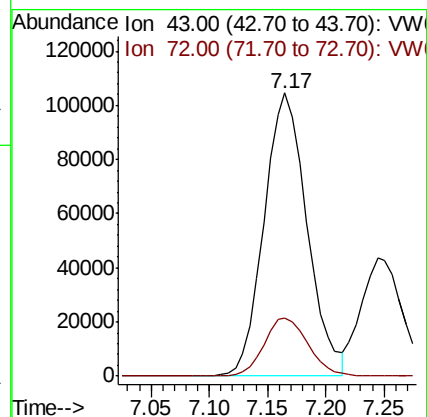
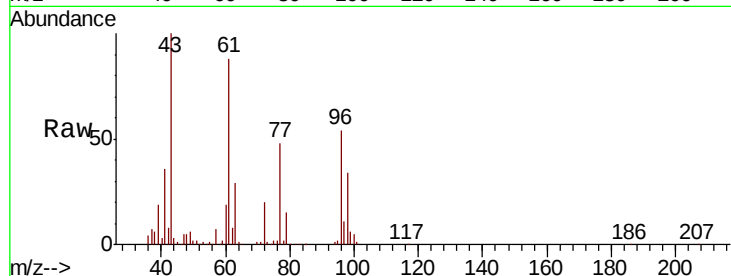
VSTDCCC050

Tot Ion: 43 Resp: 266836

Ion Ratio Lower Upper

43 100

72 20.5 17.2 25.8



#26

2,2-Dichloropropane

Concen: 53.581 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011074.D

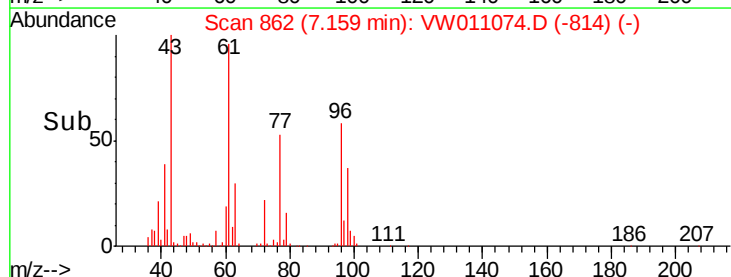
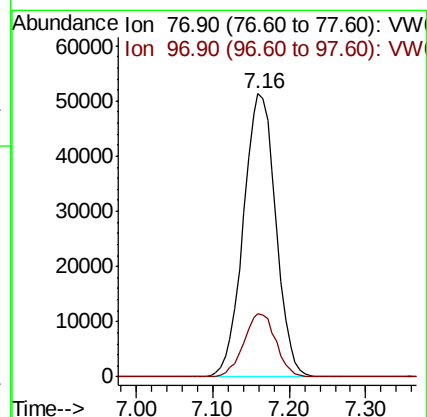
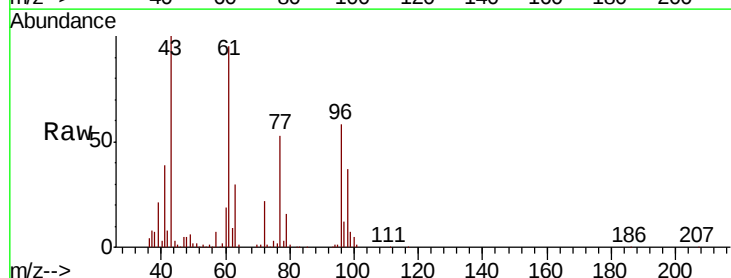
Acq: 01 Jul 2019 10:05

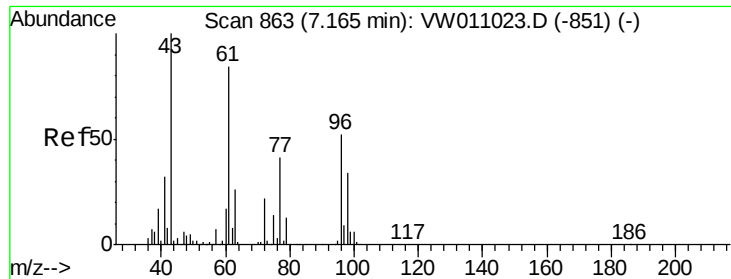
Tgt Ion: 77 Resp: 151056

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.7



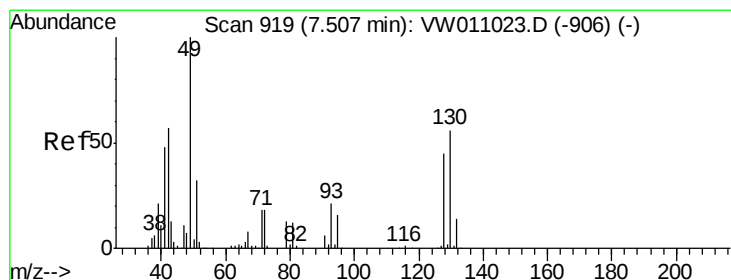
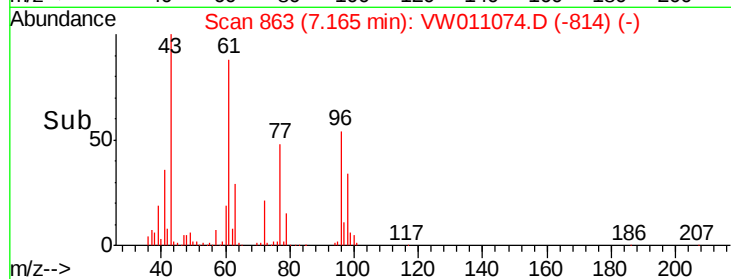
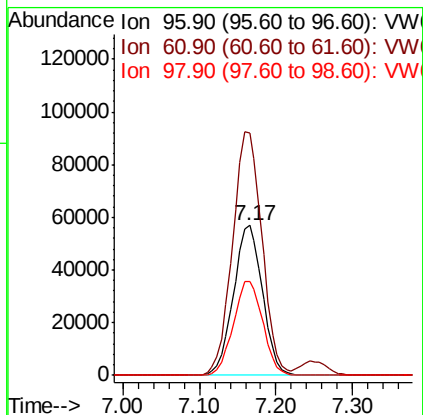
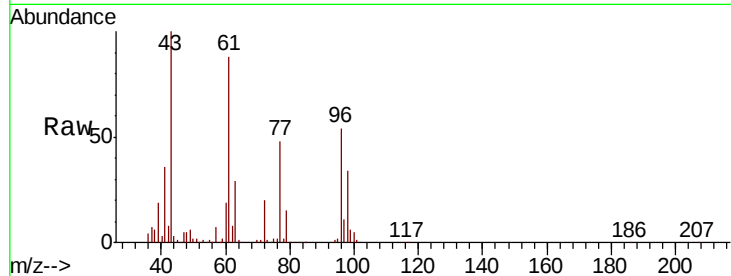


#27

cis-1,2-Dichloroethene
Concen: 50.697 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

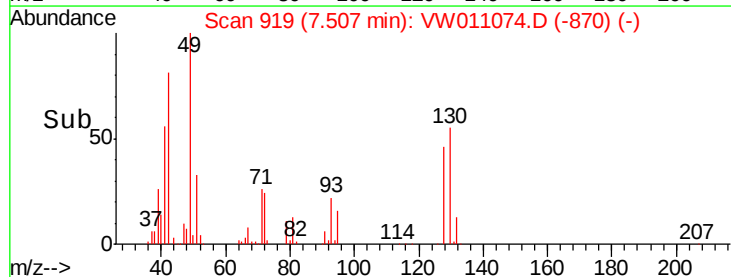
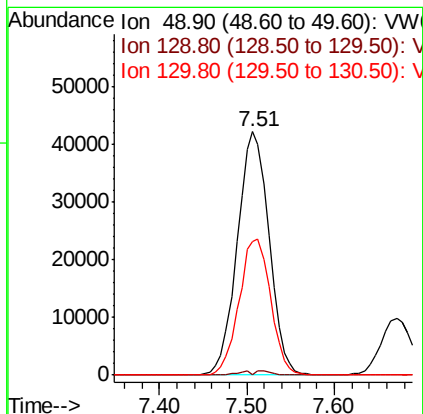
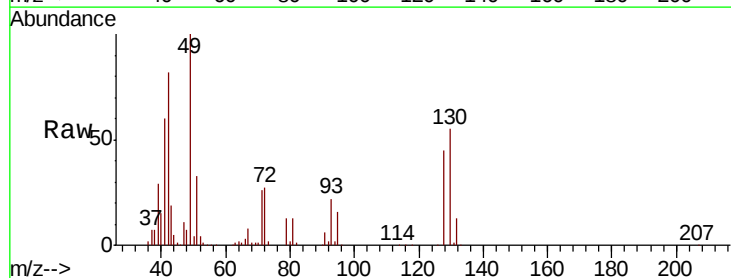
Tot Ion	96	Resp	149391
Ion Ratio	Lower	Upper	
96	100		
61	164.9	0.0	330.4
98	63.6	0.0	129.4

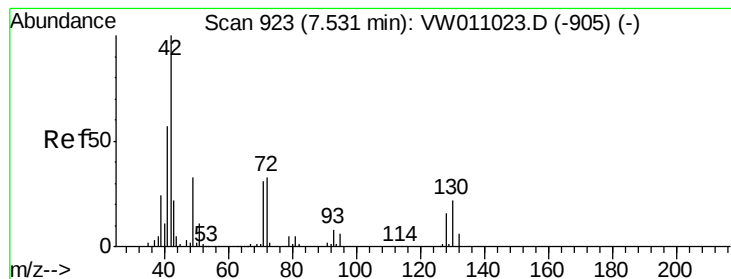


#28

Bromochloromethane
Concen: 42.247 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	49	Resp	106790
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	3.4
130	55.5	46.1	69.1





#29

Tetrahydrofuran

Concen: 231.907 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

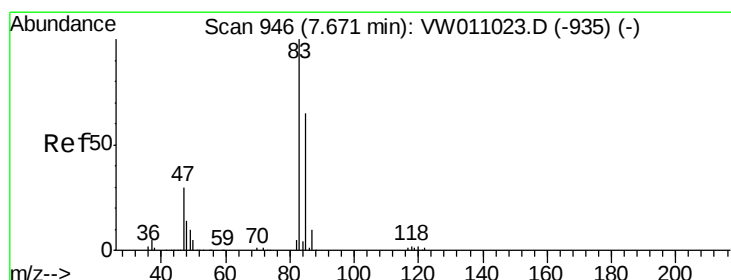
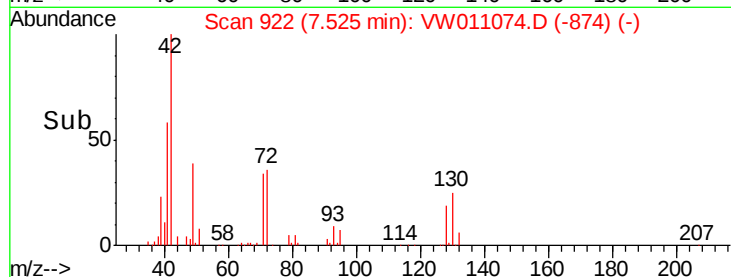
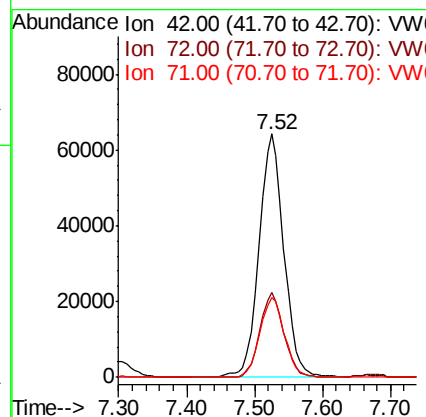
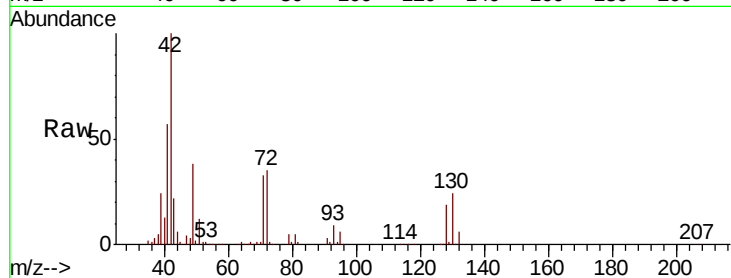
Tot Ion: 42 Resp: 164292

Ion Ratio Lower Upper

42 100

72 33.7 27.4 41.0

71 32.5 25.6 38.4



#30

Chloroform

Concen: 51.093 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011074.D

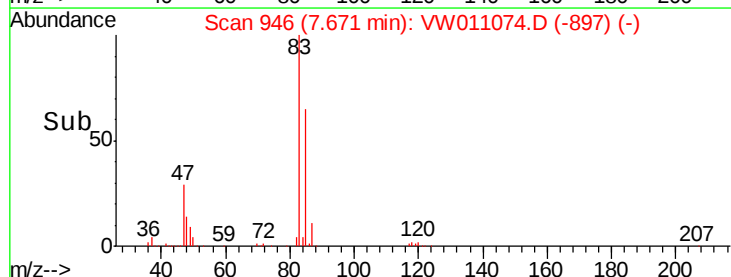
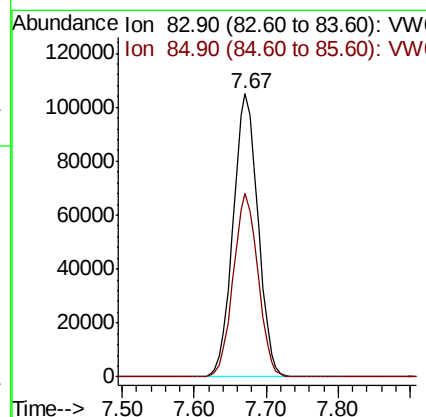
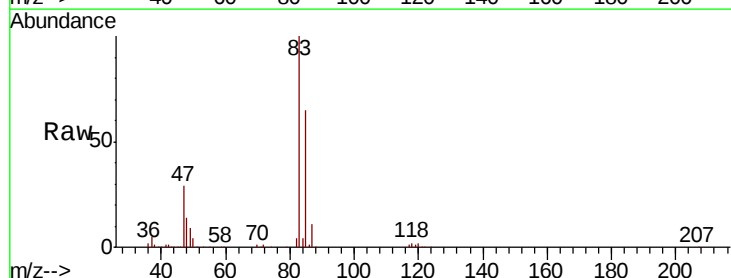
Acq: 01 Jul 2019 10:05

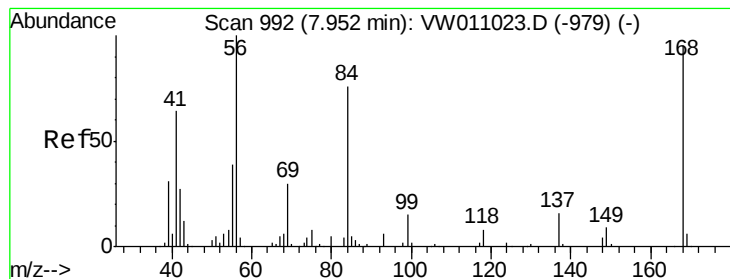
Tgt Ion: 83 Resp: 252039

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.4

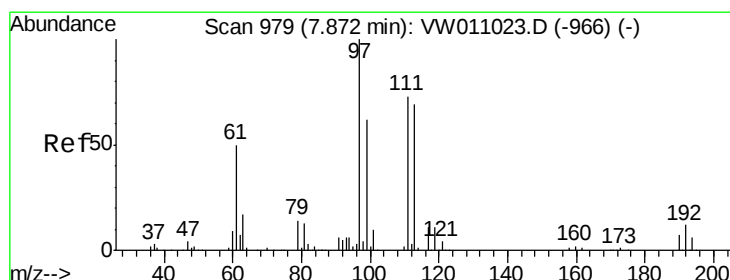
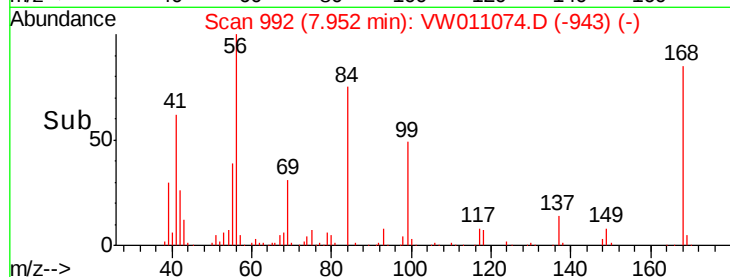
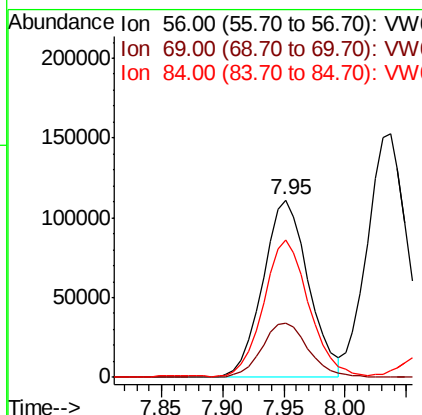
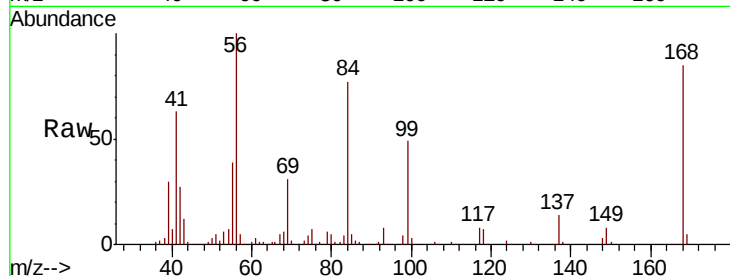




#31
Cyclohexane
Concen: 49.197 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

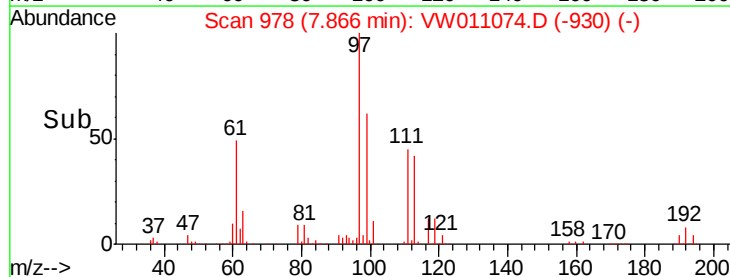
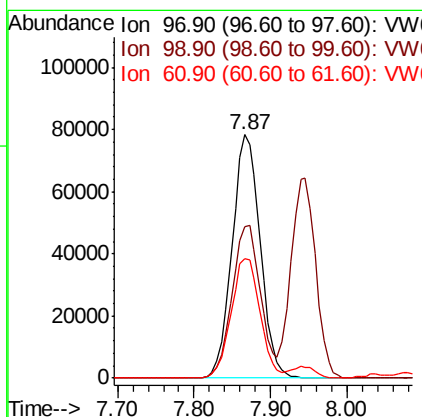
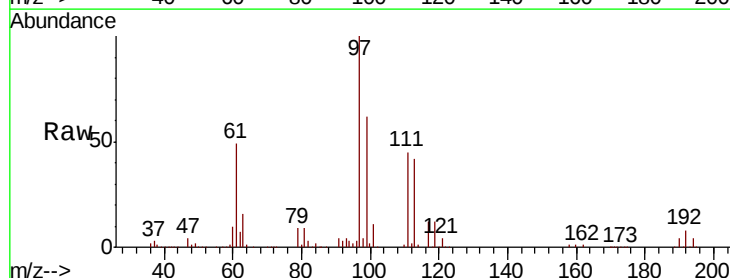
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

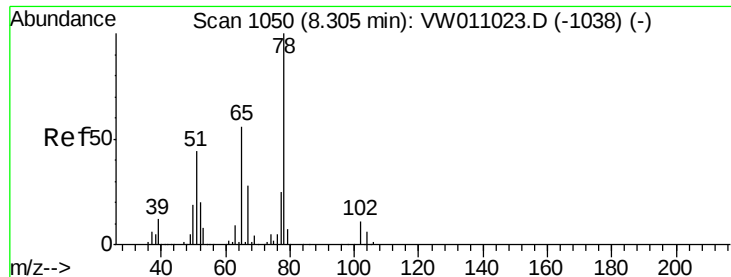
Tot Ion: 56 Resp: 288641
Ion Ratio Lower Upper
56 100
69 30.6 24.2 36.2
84 76.2 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 53.956 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 97 Resp: 198889
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 50.5 41.4 62.2

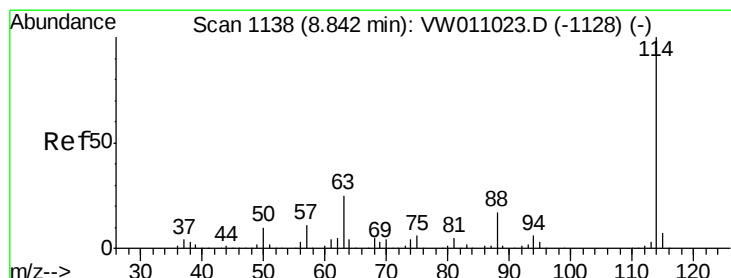
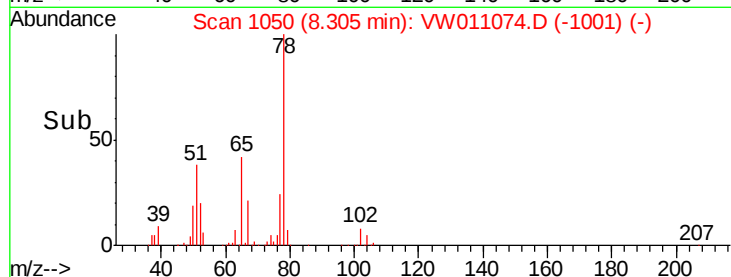
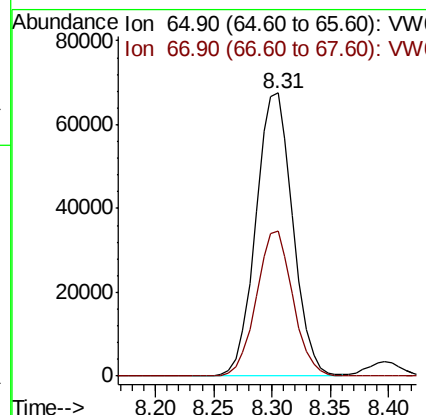
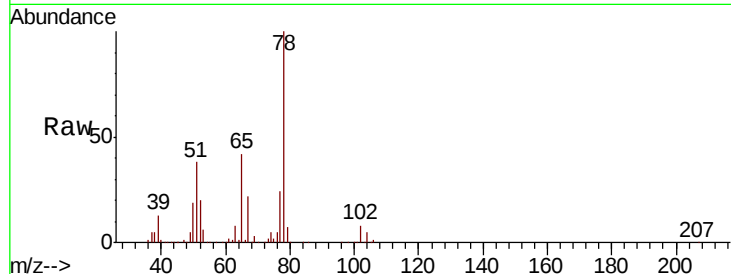




#33
 1,2-Dichloroethane-d4
 Concen: 48.699 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

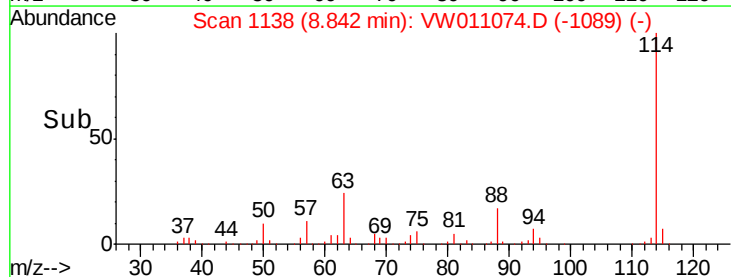
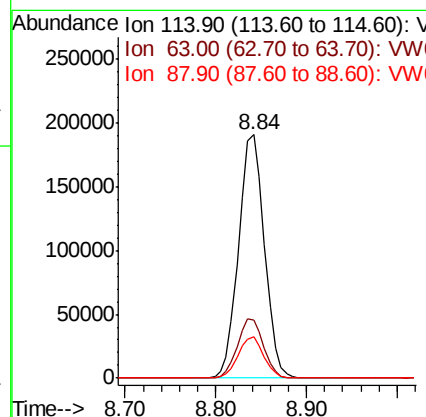
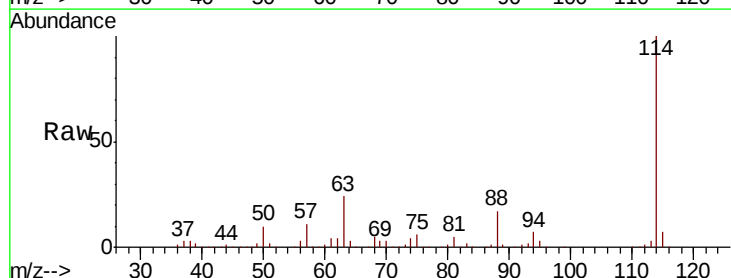
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

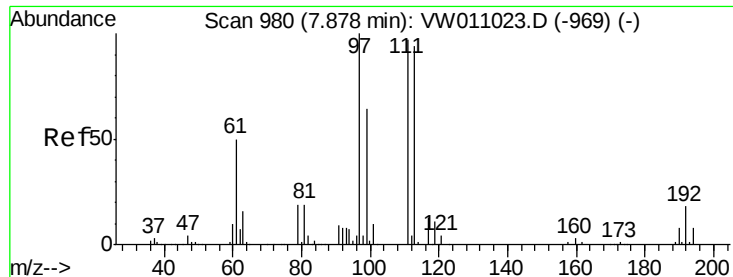
Tot Ion: 65 Resp: 149372
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 114 Resp: 377666
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.6
 88 16.8 0.0 34.0

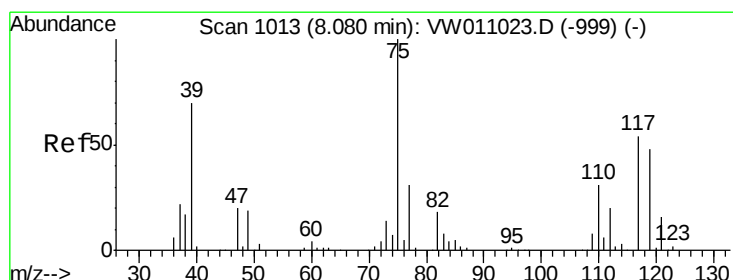
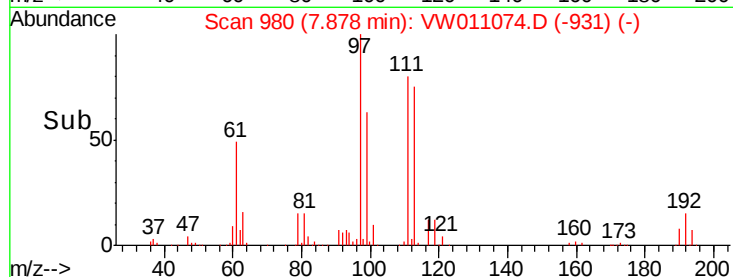
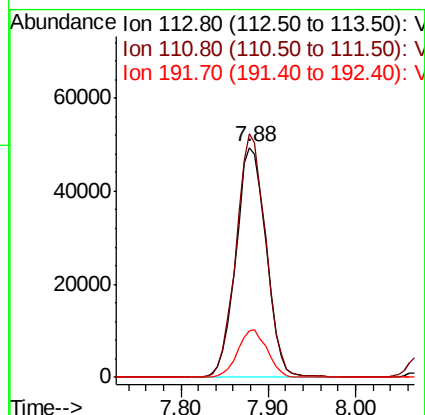
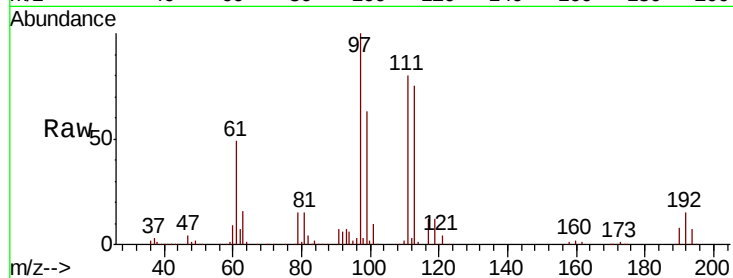




#35
 Dibromofluoromethane
 Concen: 51.544 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

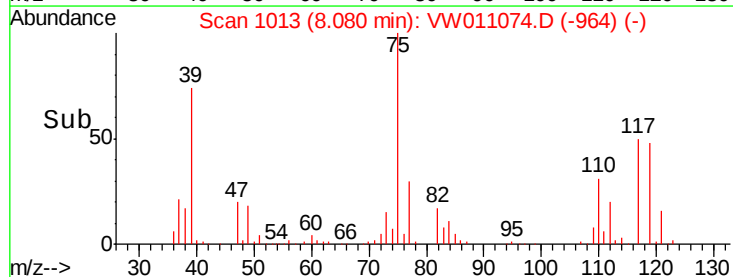
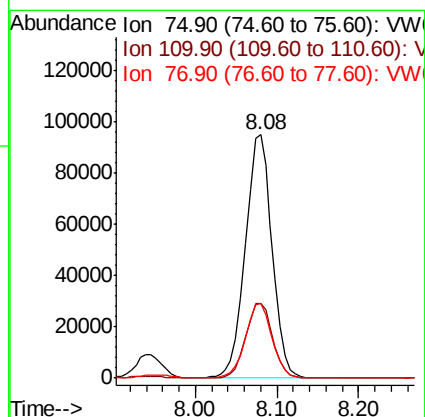
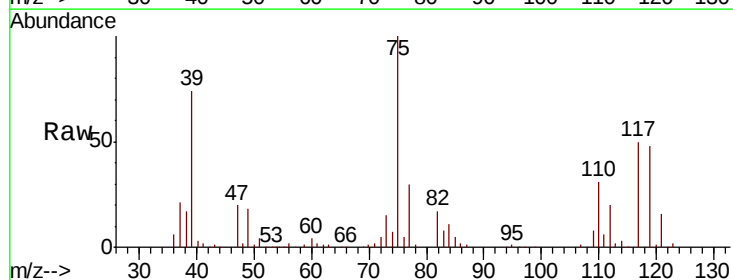
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

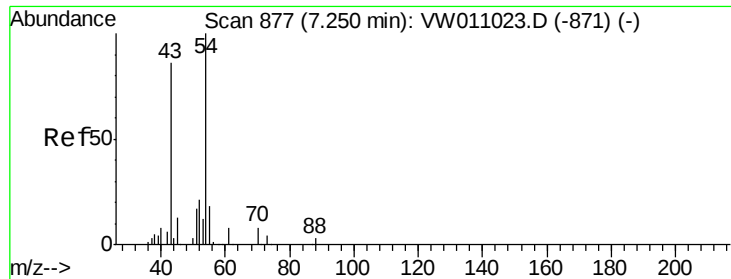
Tot Ion:113 Resp: 118870
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.8 125.6
 192 20.1 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 53.223 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 75 Resp: 216042
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.5 46.5
 77 30.7 24.9 37.3

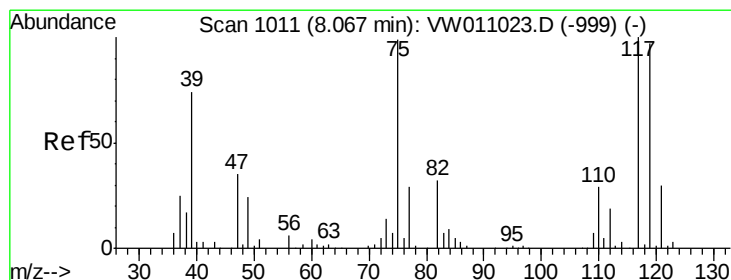
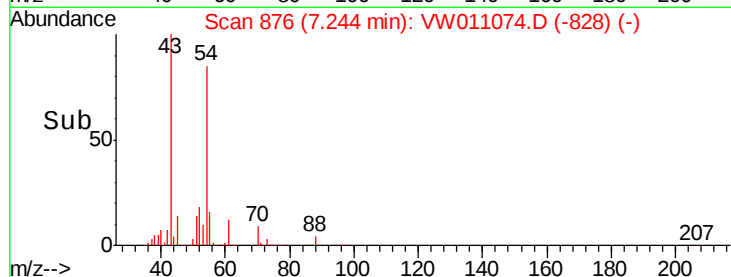
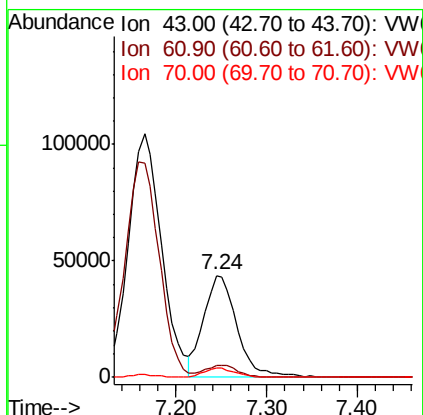
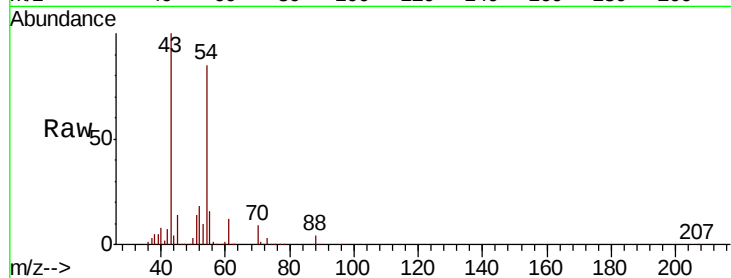




#37
Ethyl Acetate
Concen: 46.907 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

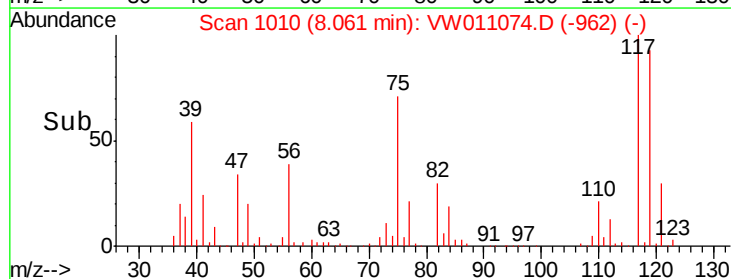
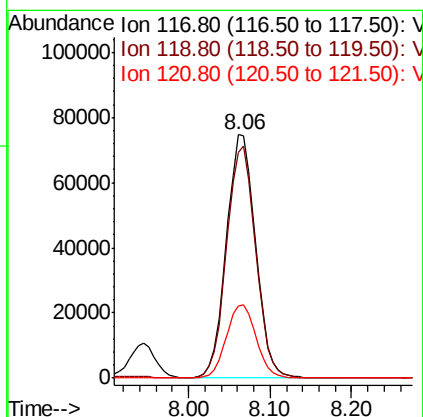
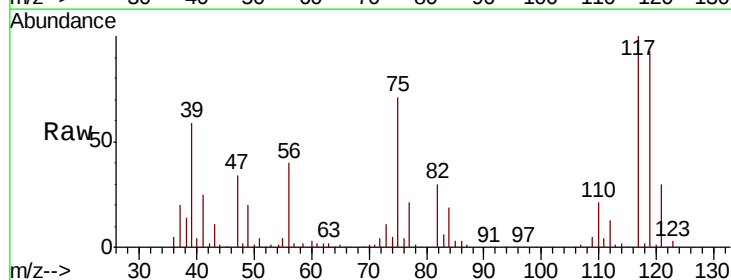
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

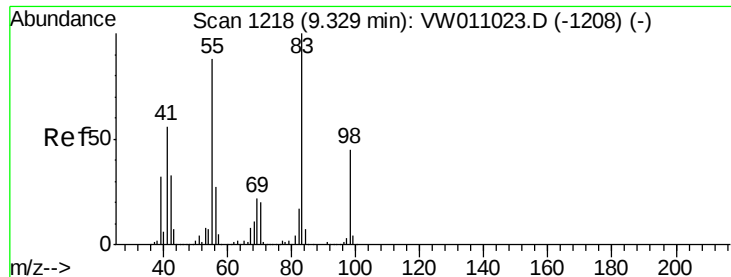
Tot Ion: 43 Resp: 110768
Ion Ratio Lower Upper
43 100
61 12.0 9.0 13.4
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 55.212 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 117 Resp: 184568
Ion Ratio Lower Upper
117 100
119 92.5 77.7 116.5
121 29.7 23.9 35.9

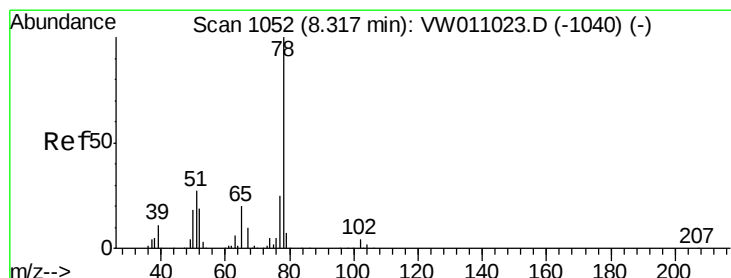
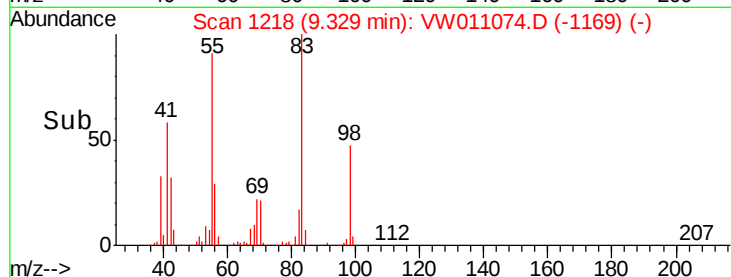
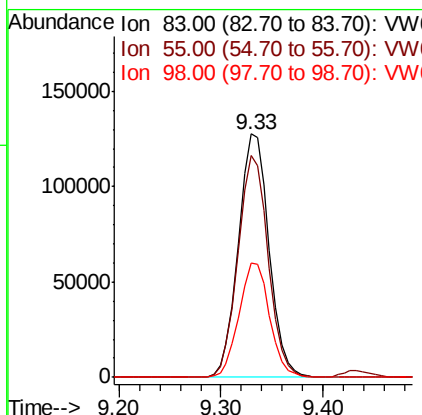
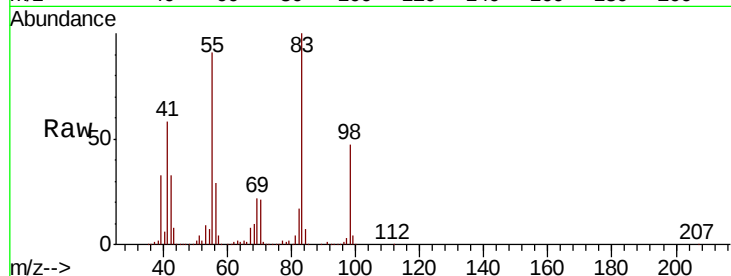




#39
Methvlcvclohexane
Concen: 53.459 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

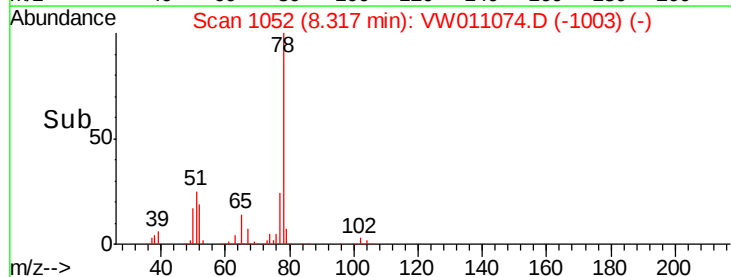
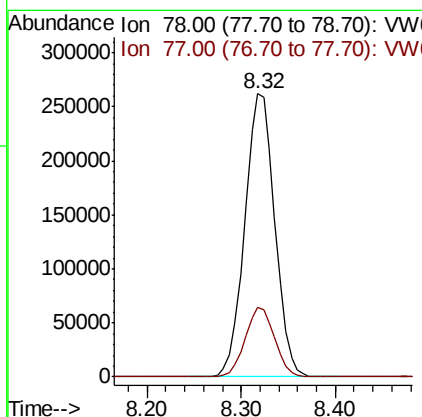
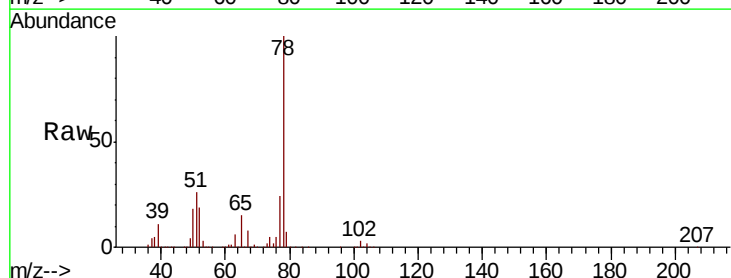
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

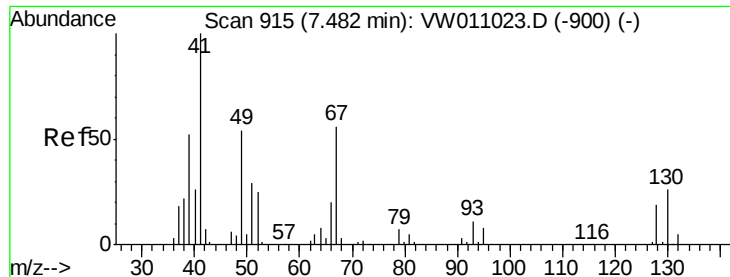
Tot Ion: 83 Resp: 267058
Ion Ratio Lower Upper
83 100
55 91.4 70.7 106.1
98 47.1 36.4 54.6



#40
Benzene
Concen: 52.379 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 78 Resp: 584790
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5





#41

Methacrylonitrile

Concen: 44.660 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 64163

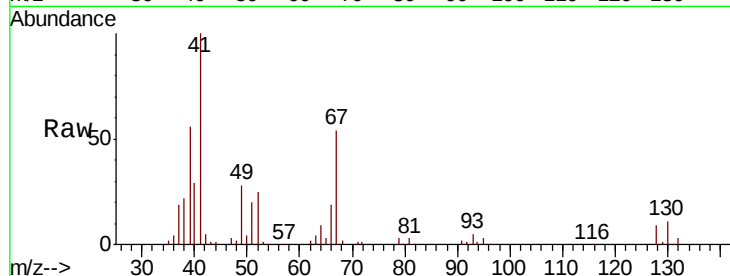
Ion Ratio Lower Upper

41 100

39 60.1 42.1 63.1

67 59.1 44.2 66.2

52 28.5 21.0 31.6

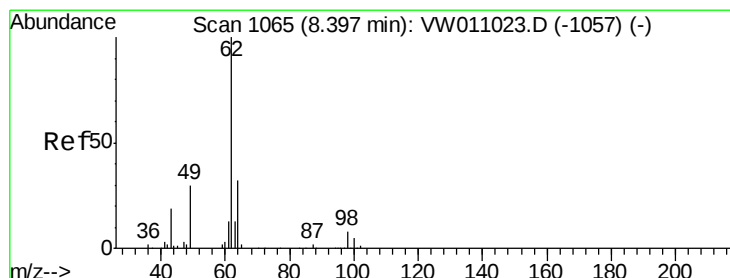
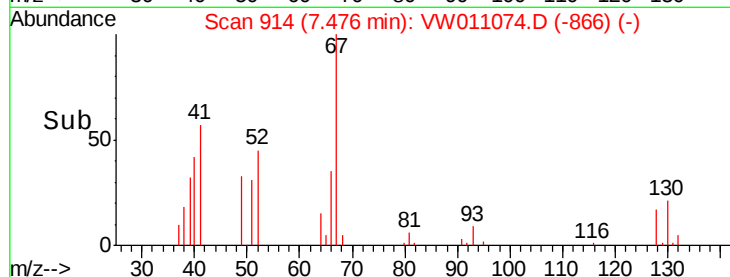
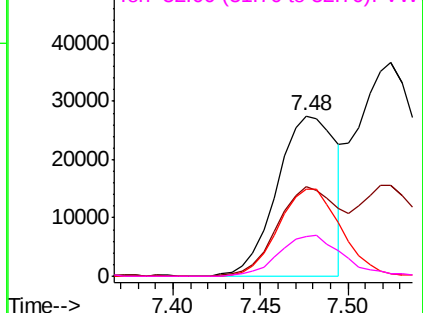


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.226 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011074.D

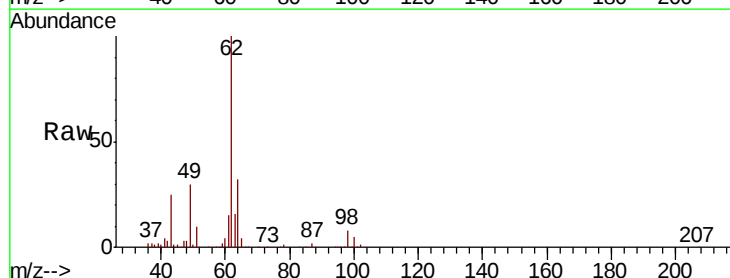
Acq: 01 Jul 2019 10:05

Tgt Ion: 62 Resp: 180200

Ion Ratio Lower Upper

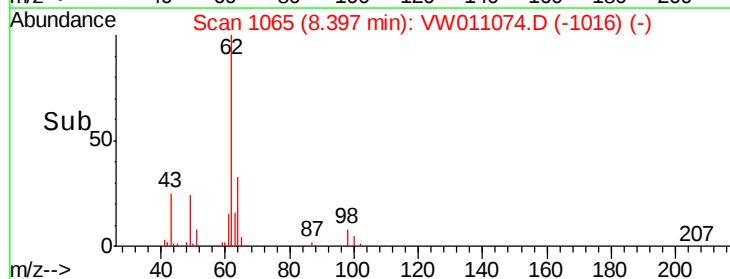
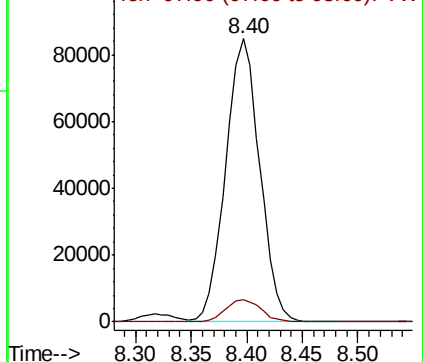
62 100

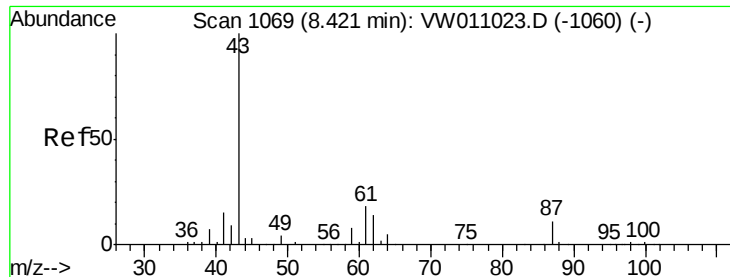
98 8.2 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 48.523 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

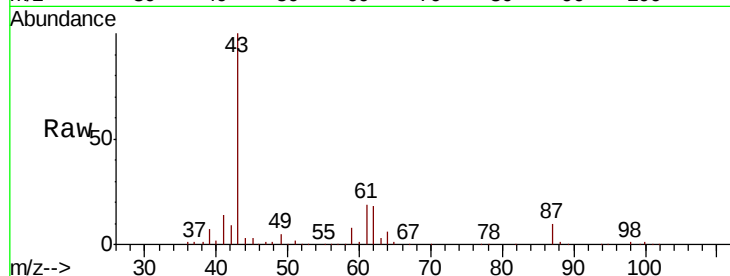
Tot Ion: 43 Resp: 216764

Ion Ratio Lower Upper

43 100

61 26.3 21.0 31.6

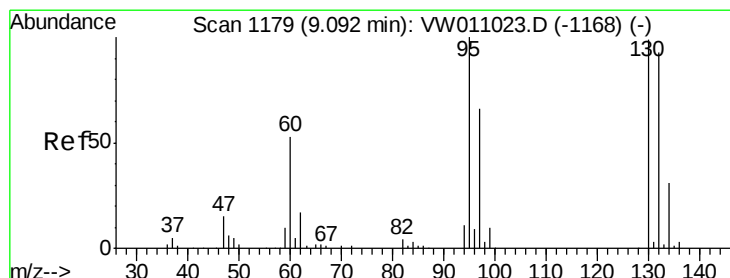
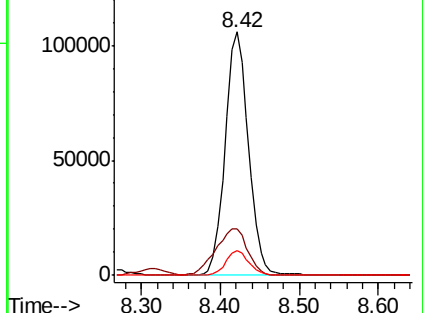
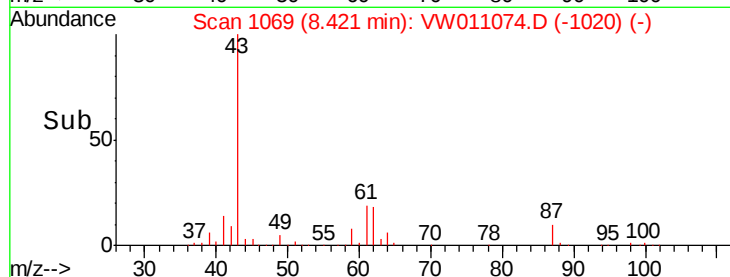
87 10.1 8.2 12.4



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: 52.523 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011074.D

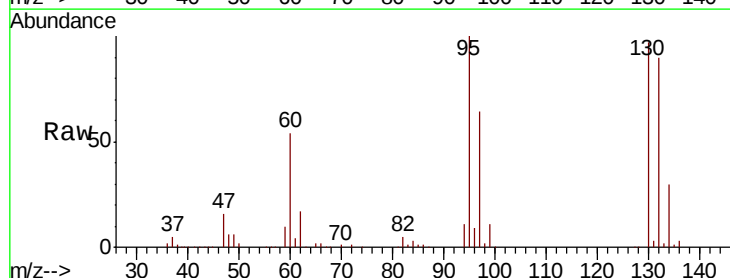
Acq: 01 Jul 2019 10:05

Tgt Ion: 130 Resp: 141719

Ion Ratio Lower Upper

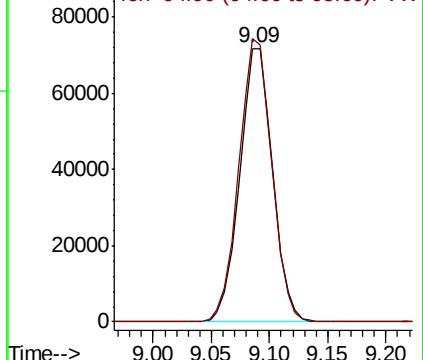
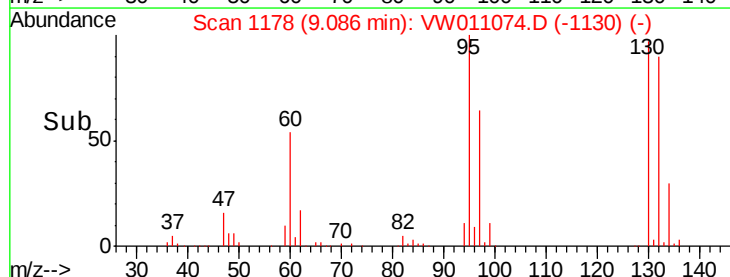
130 100

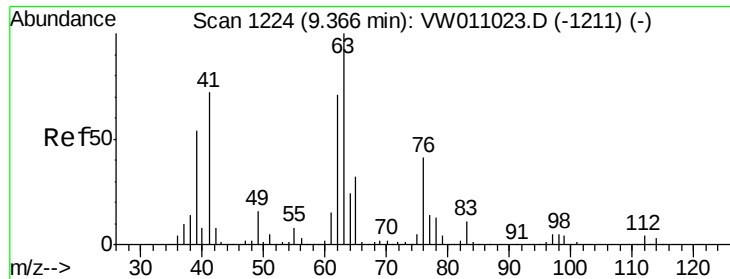
95 103.5 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.534 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

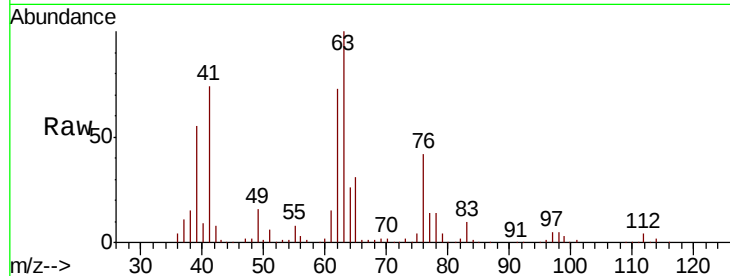
VSTDCCC050

Tot Ion: 63 Resp: 156243

Ion Ratio Lower Upper

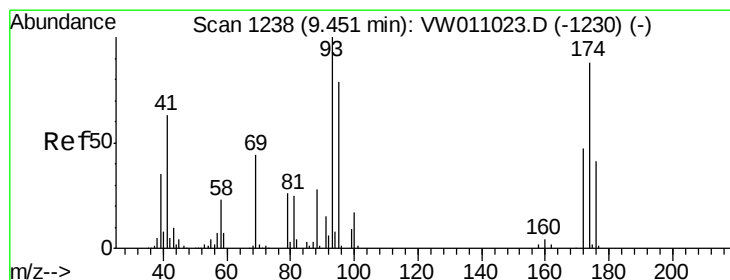
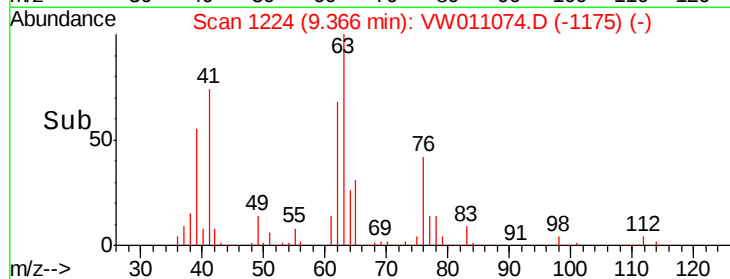
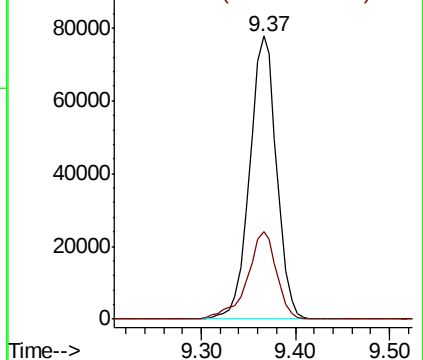
63 100

65 30.9 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 49.977 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

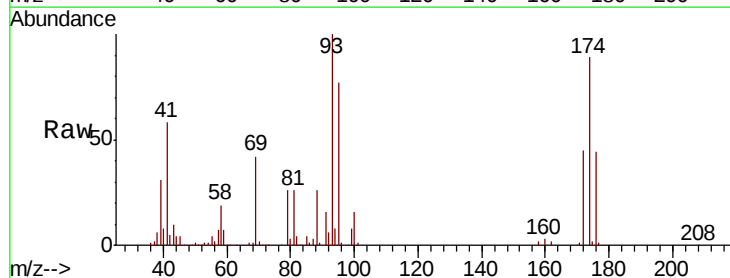
Tgt Ion: 93 Resp: 70865

Ion Ratio Lower Upper

93 100

95 80.8 65.8 98.6

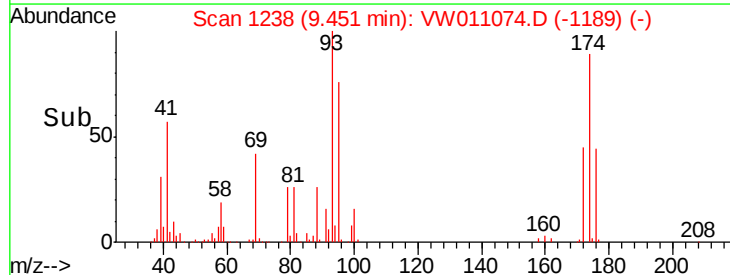
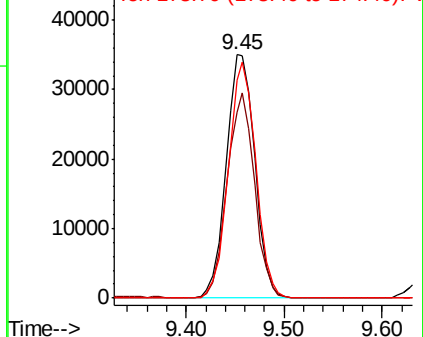
174 93.2 75.4 113.0

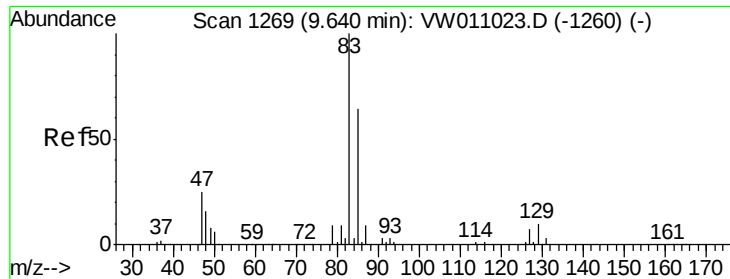


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

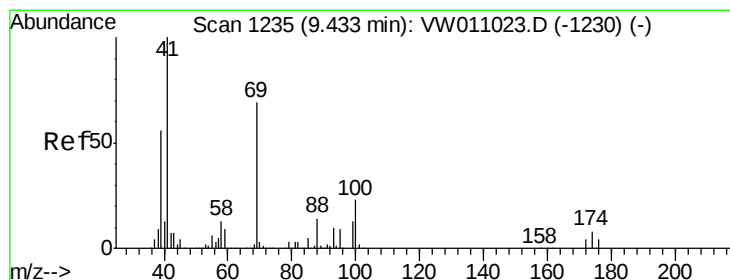
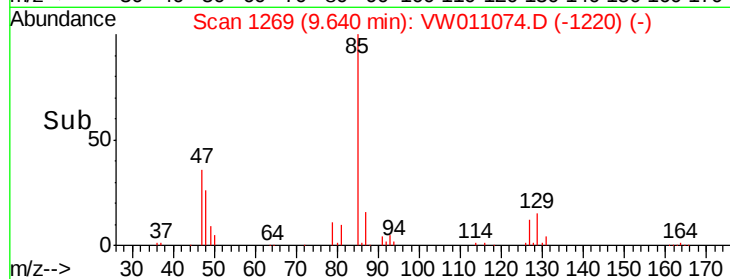
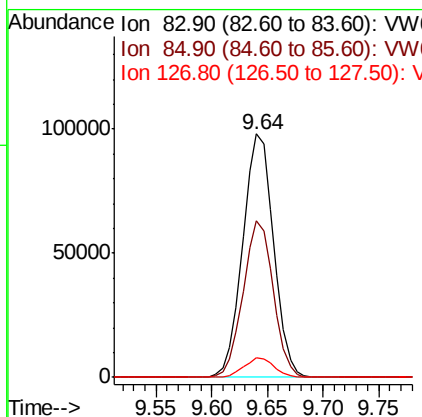
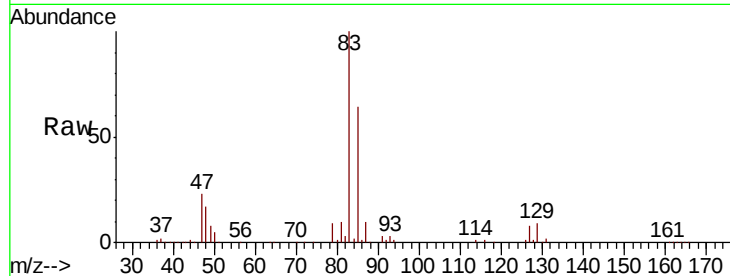




#47
 Bromodichloromethane
 Concen: 53.718 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

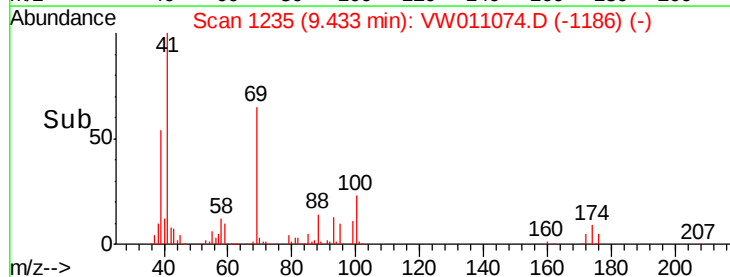
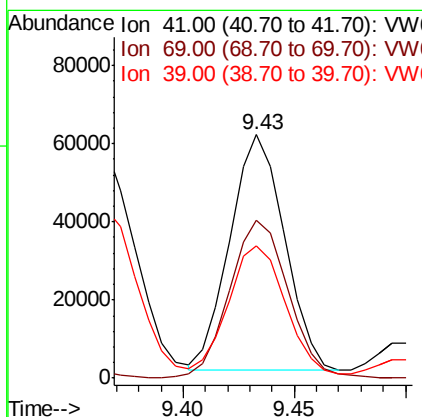
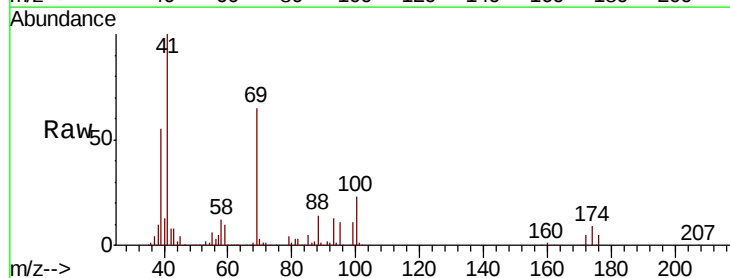
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

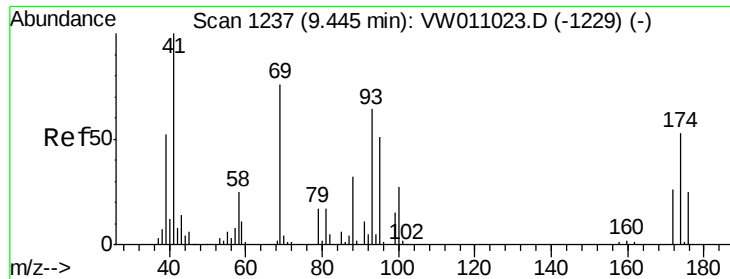
Tot Ion	83	Resp	188585
Ion Ratio	100		
Lower	51.0		
Upper	76.4		
85	64.5		
127	7.8		
	5.8		
	8.8		



#48
 Methyl methacrylate
 Concen: 47.583 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	41	Resp	103066
Ion Ratio	100		
Lower	56.7		
Upper	85.1		
69	71.9		
39	56.4		
	45.0		
	67.6		

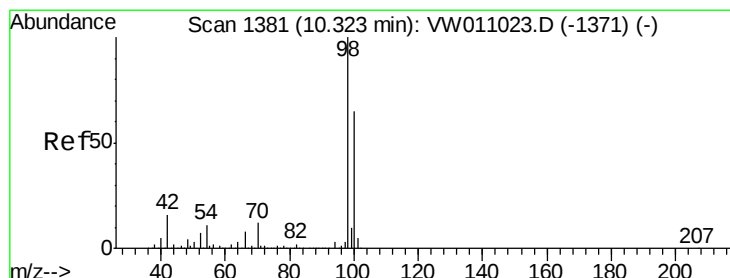
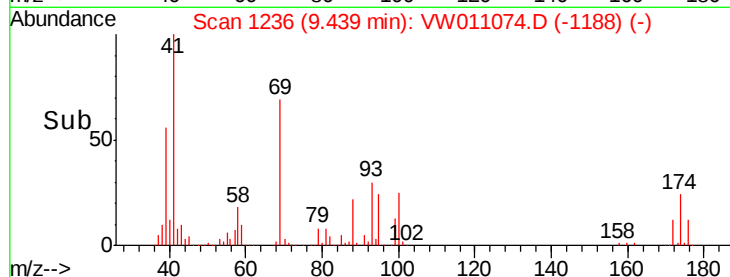
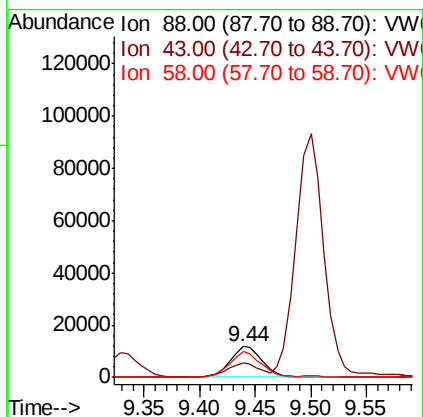
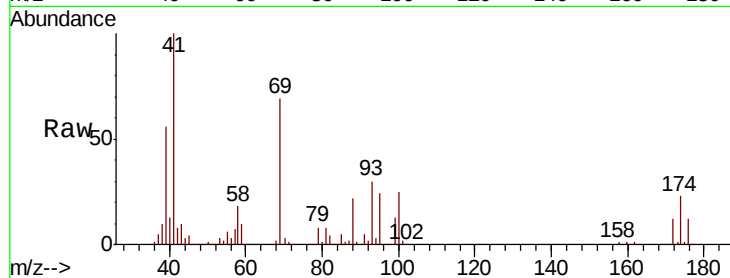




#49
1,4-Dioxane
Concen: 996.808 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

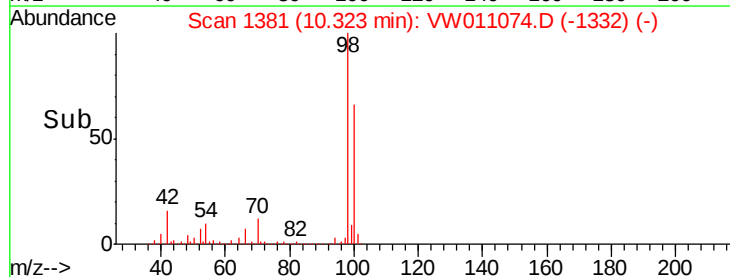
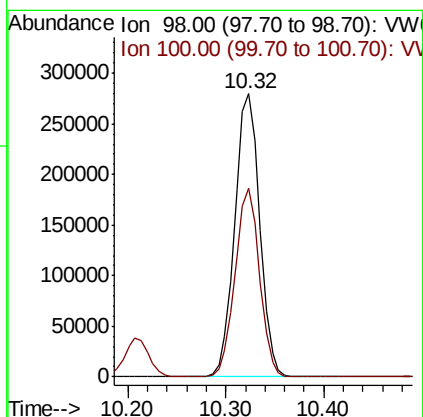
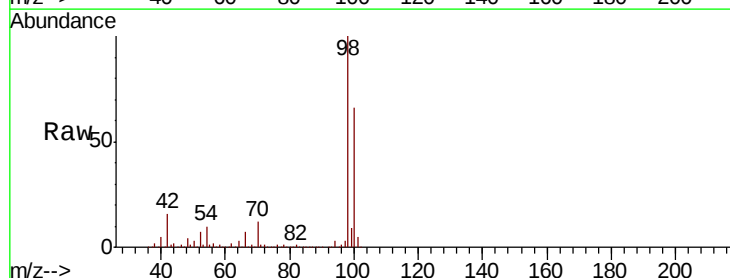
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

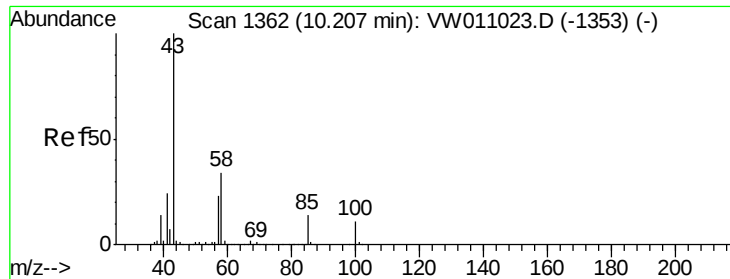
Tot Ion: 88 Resp: 23765
Ion Ratio Lower Upper
88 100
43 44.3 34.4 51.6
58 80.9 65.2 97.8



#50
Toluene-d8
Concen: 52.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 98 Resp: 494898
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 236.368 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

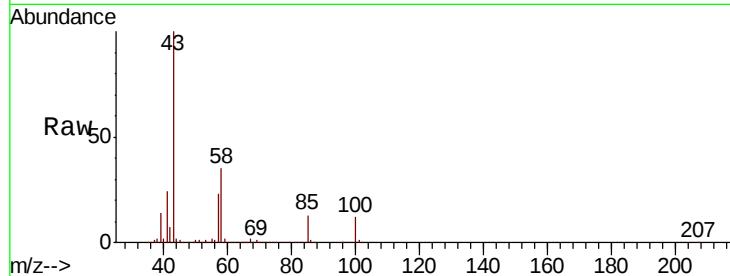
VSTDCCC050

Tot Ion: 43 Resp: 555819

Ion Ratio Lower Upper

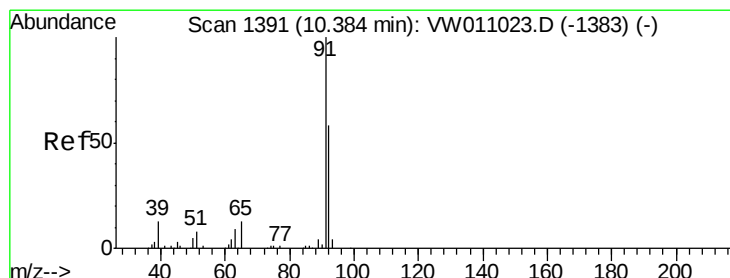
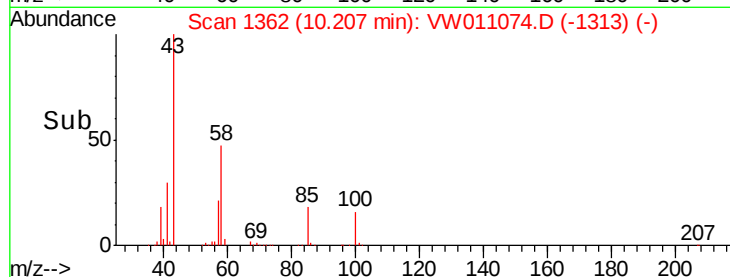
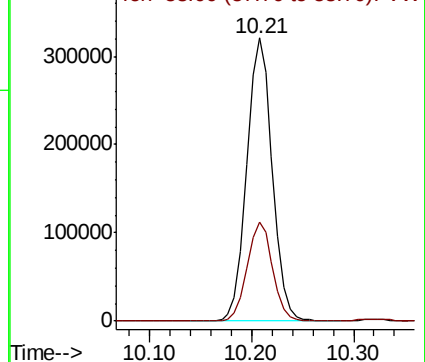
43 100

58 34.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.320 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011074.D

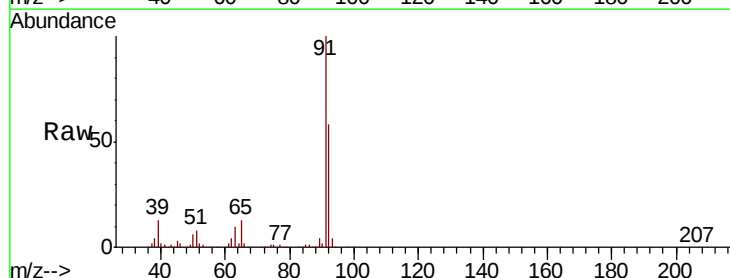
Acq: 01 Jul 2019 10:05

Tgt Ion: 92 Resp: 357628

Ion Ratio Lower Upper

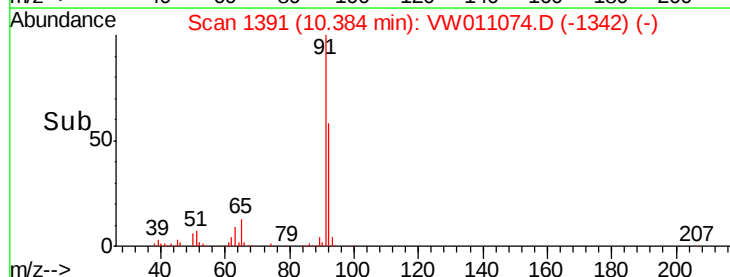
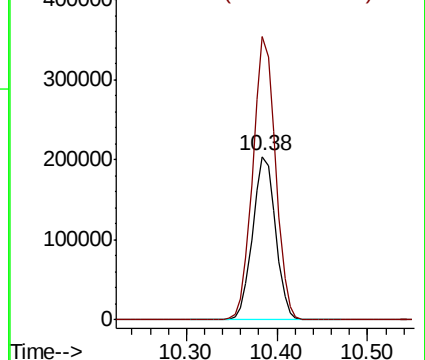
92 100

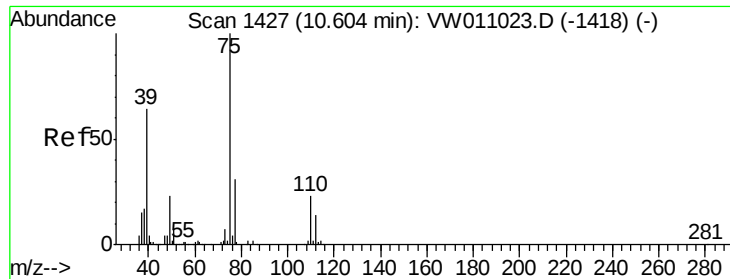
91 171.4 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 54.100 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampled :

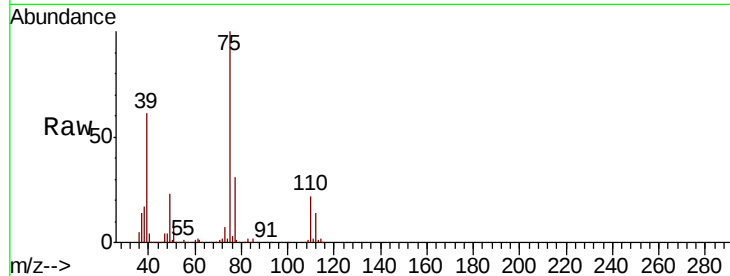
VSTDCCC050

Tot Ion: 75 Resp: 197826

Ion Ratio Lower Upper

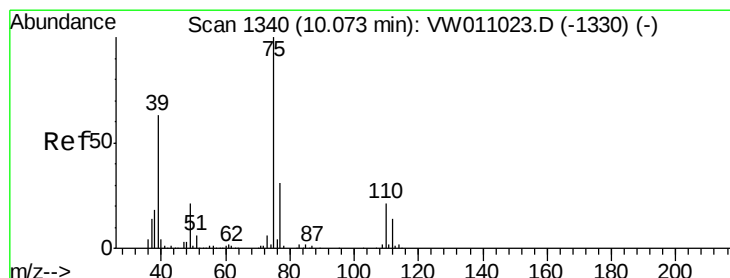
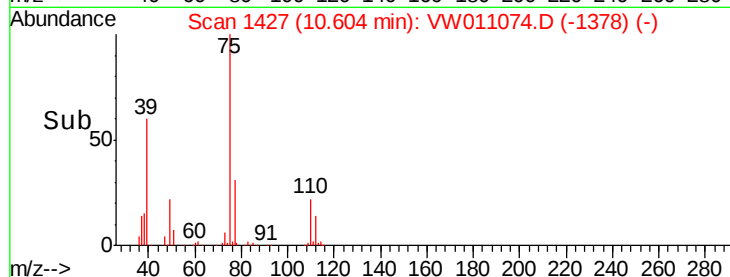
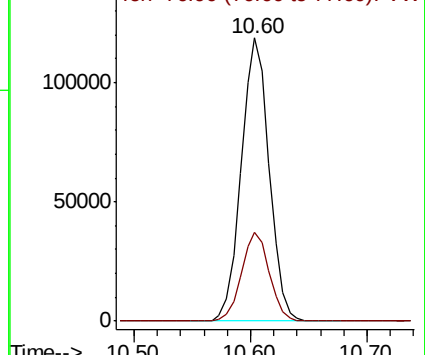
75 100

77 31.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 54.055 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

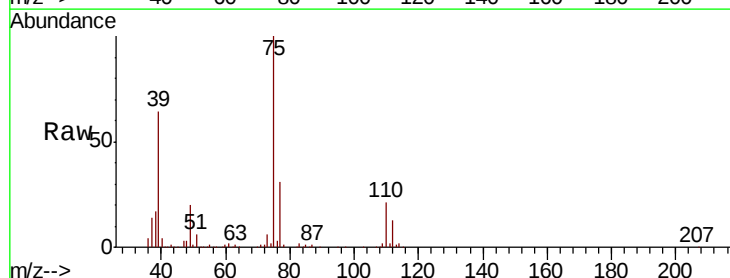
Tgt Ion: 75 Resp: 235787

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

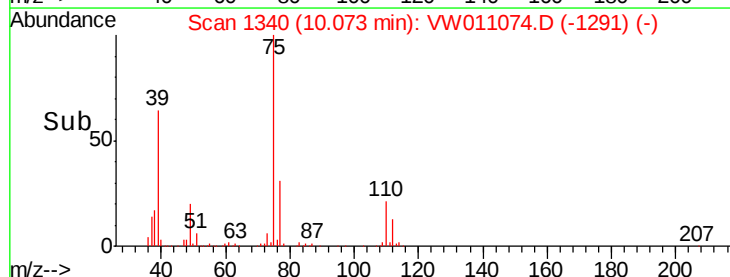
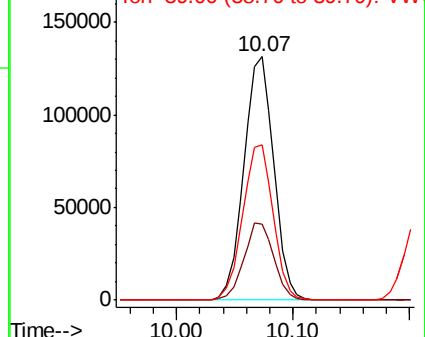
39 63.4 50.0 75.0

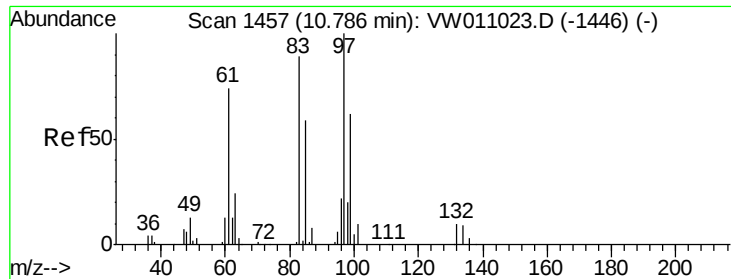


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 49.287 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 98736

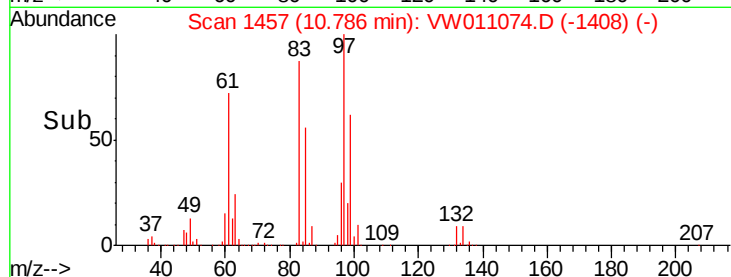
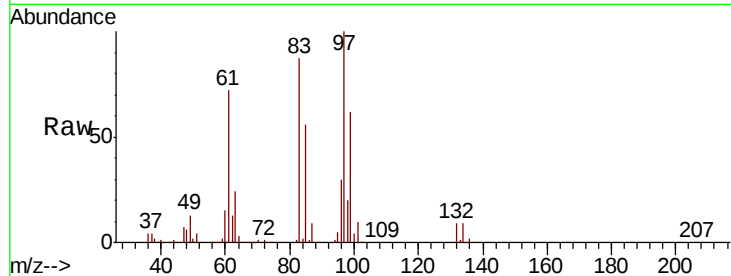
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.9	106.3
85	56.3	47.2	70.8
99	62.1	50.0	75.0

97 100

83 87.1 70.9 106.3

85 56.3 47.2 70.8

99 62.1 50.0 75.0



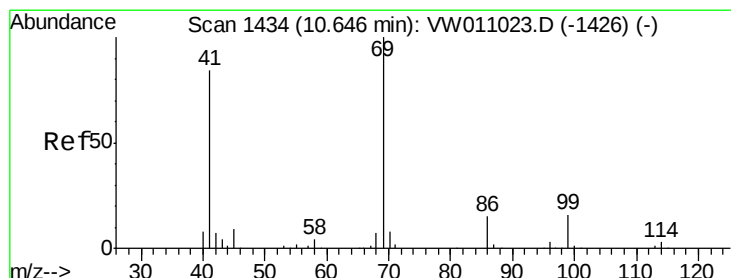
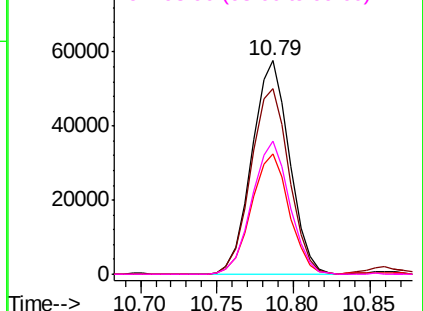
Abundance

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: 49.567 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

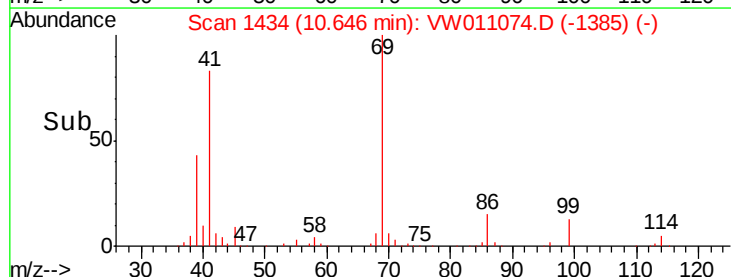
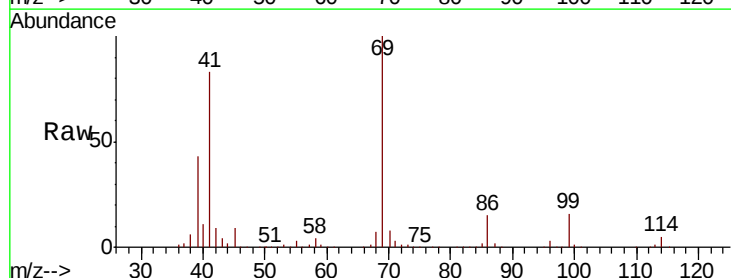
Tgt Ion: 69 Resp: 148694

Ion	Ratio	Lower	Upper
69	100		
41	83.2	67.9	101.9
39	39.5	33.2	49.8

69 100

41 83.2 67.9 101.9

39 39.5 33.2 49.8

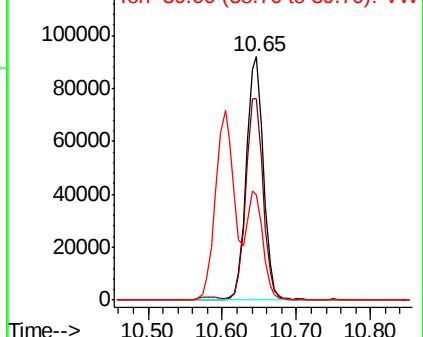


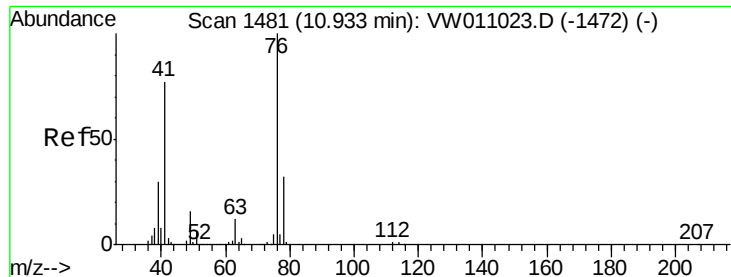
Abundance

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

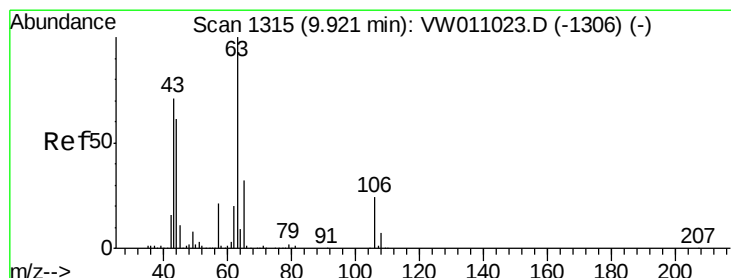
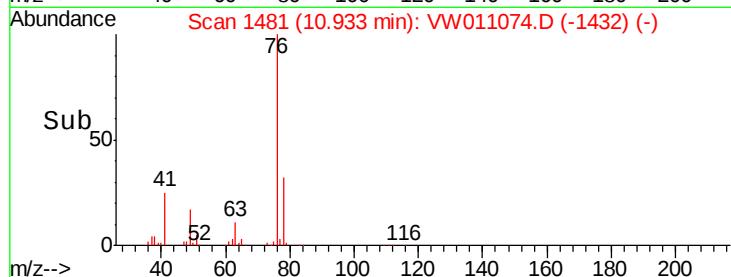
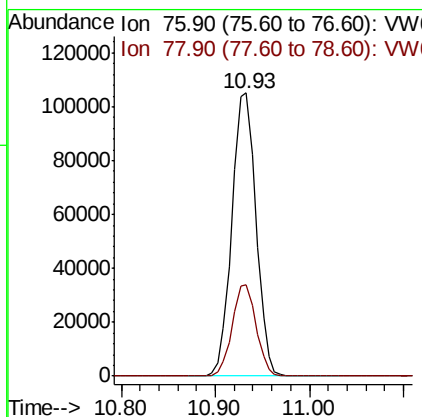
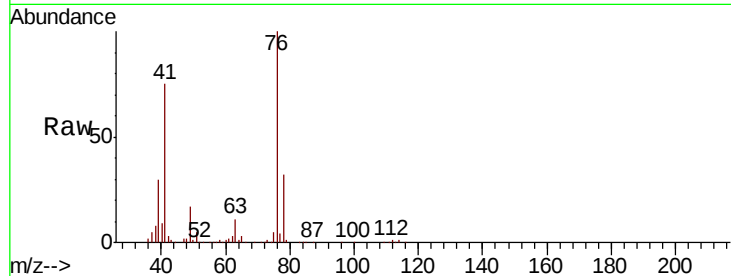




#57
 1,3-Dichloropropane
 Concen: 49.186 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

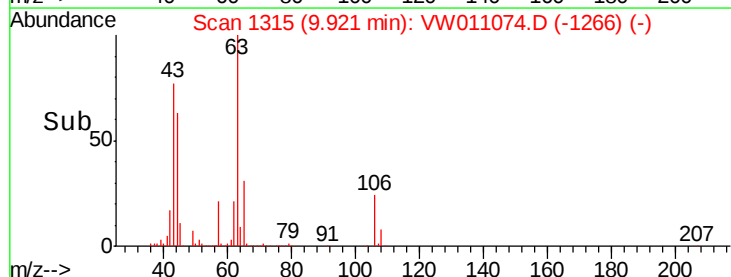
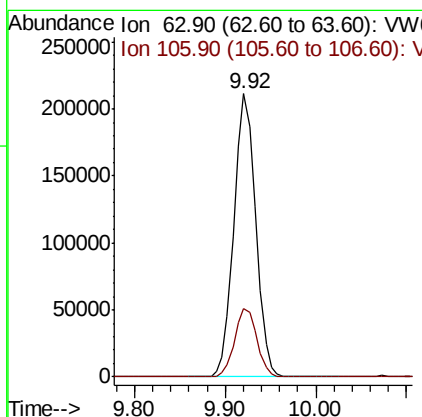
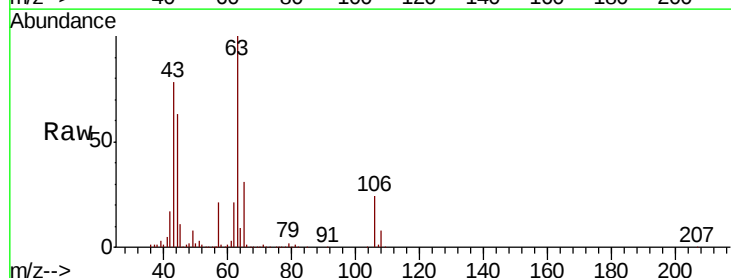
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

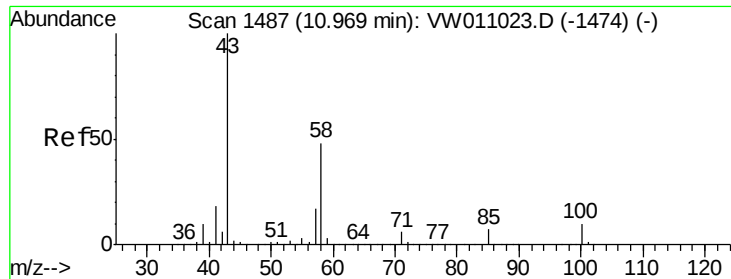
Tot Ion: 76 Resp: 187429
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.345 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 63 Resp: 354177
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

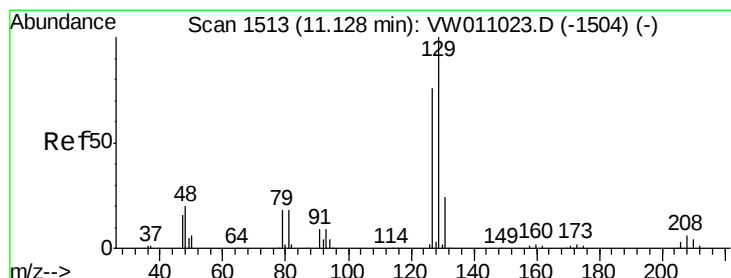
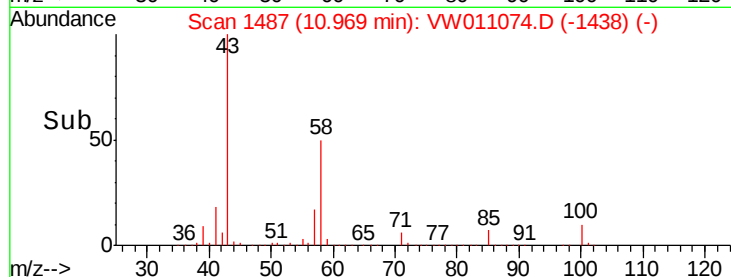
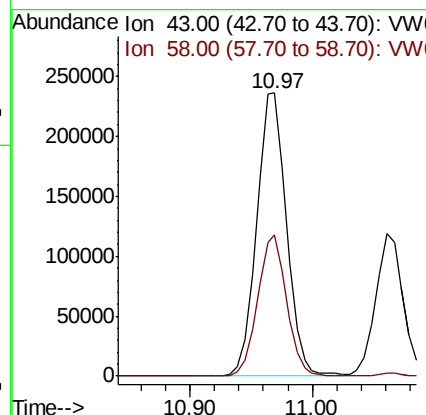
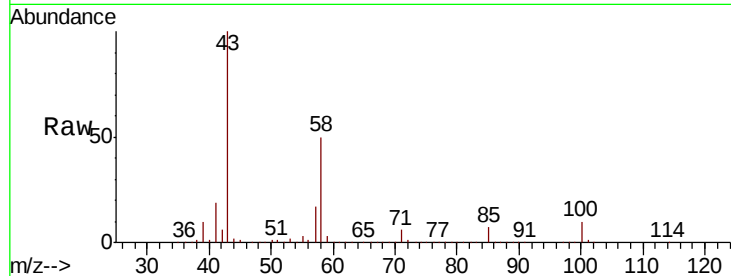




#59
2-Hexanone
Concen: 244.612 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

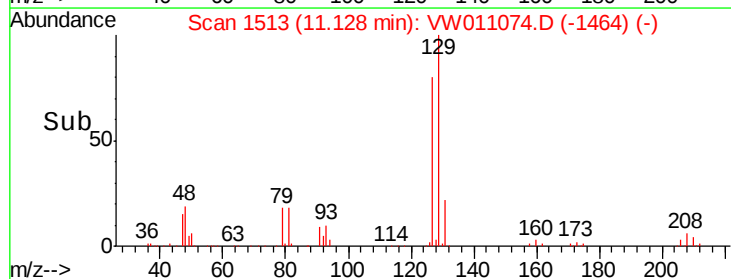
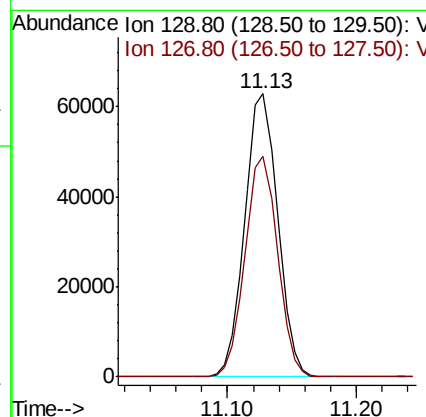
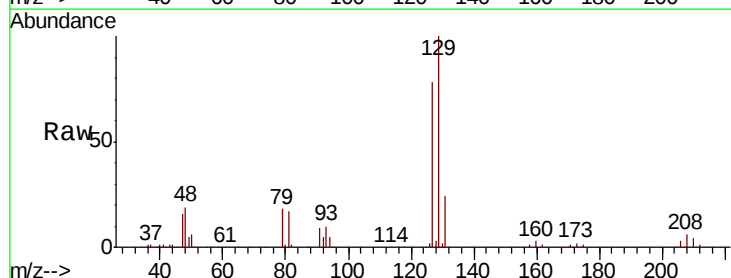
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

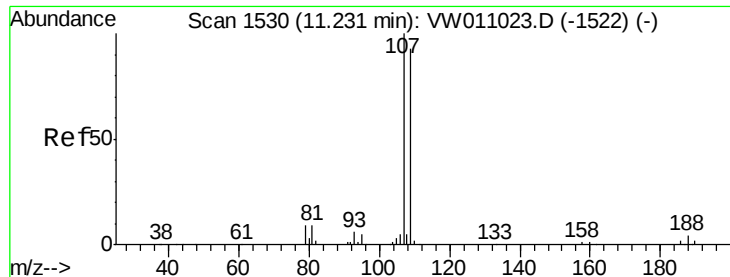
Tot Ion: 43 Resp: 401130
Ion Ratio Lower Upper
43 100
58 48.4 23.8 71.5



#60
Dibromochloromethane
Concen: 52.988 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 129 Resp: 111313
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1

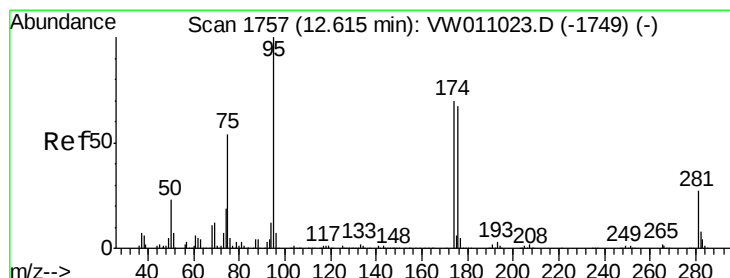
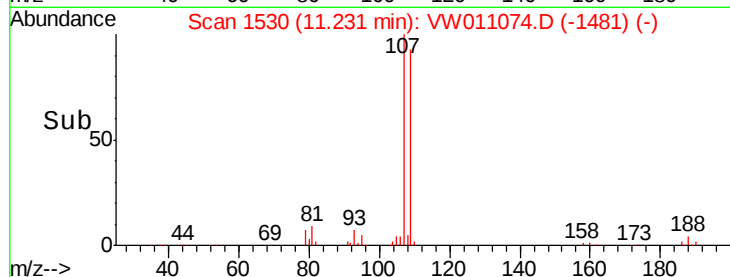
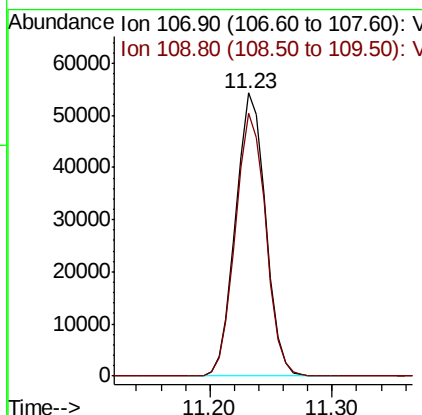
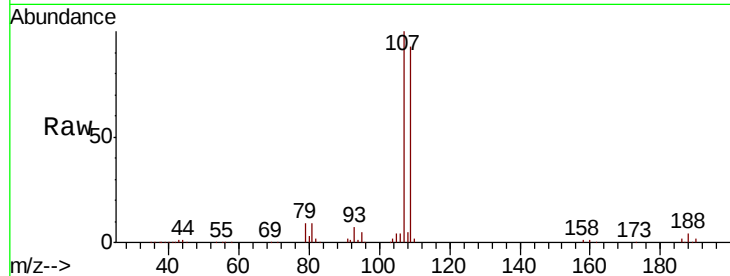




#61
 1,2-Dibromoethane
 Concen: 49.229 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

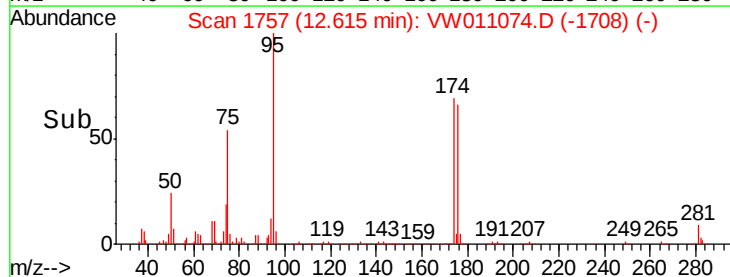
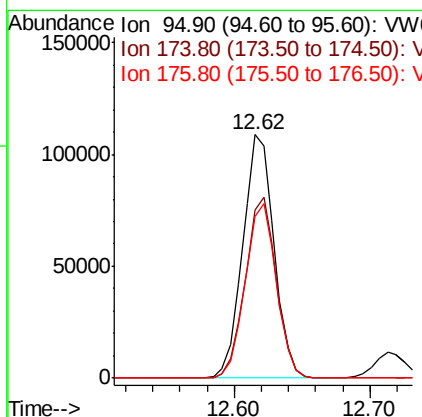
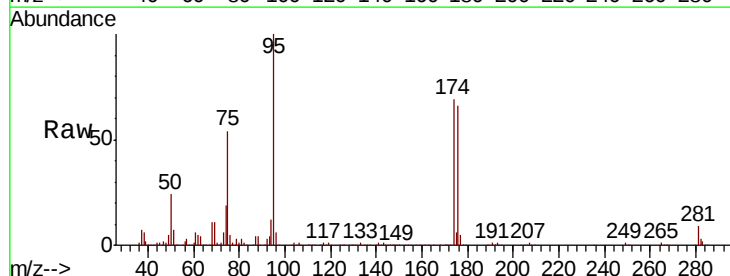
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

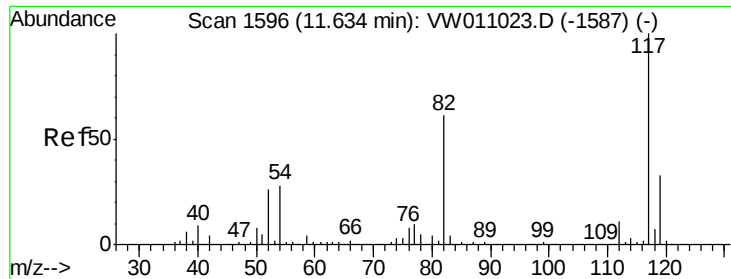
Tot Ion: 107 Resp: 92324
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.241 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 95 Resp: 174436
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 149.2
 176 71.5 0.0 143.6

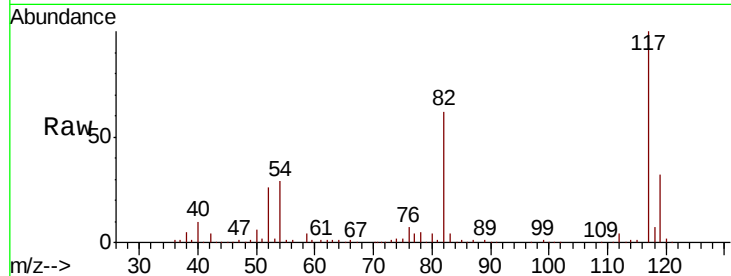




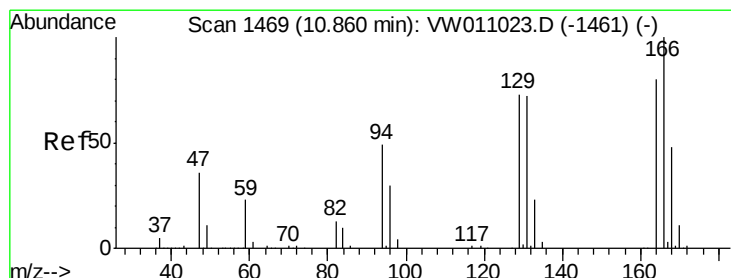
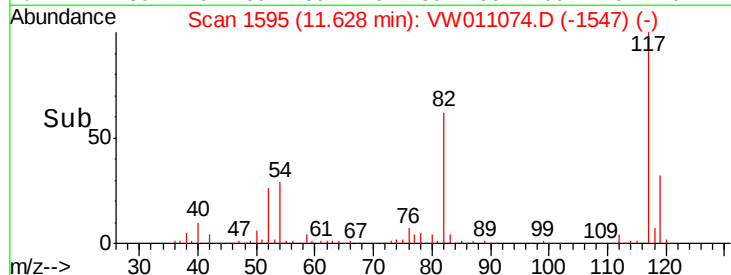
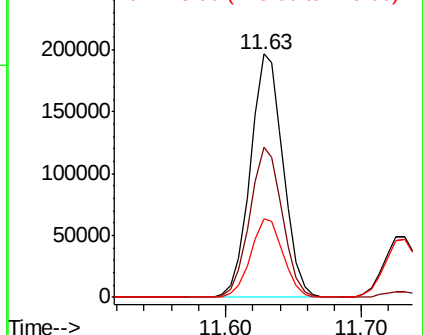
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 329726
Ion Ratio Lower Upper
117 100
82 61.7 48.6 73.0
119 32.0 26.1 39.1

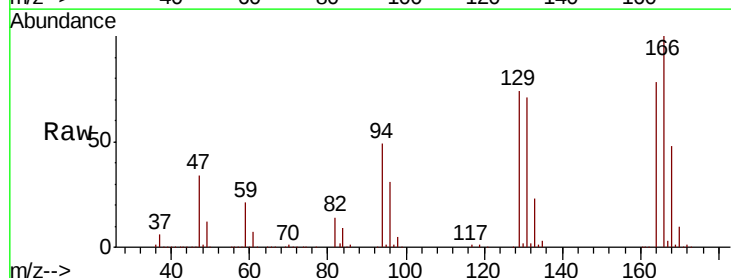


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

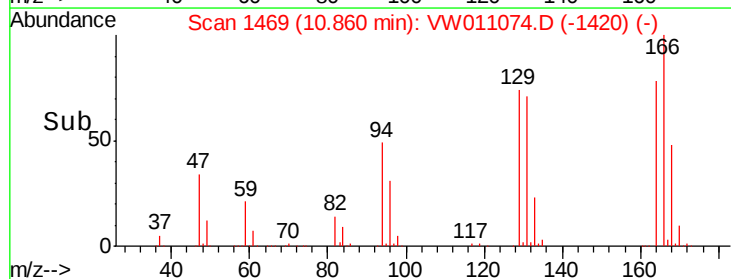
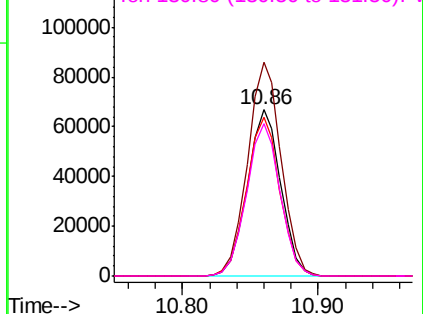


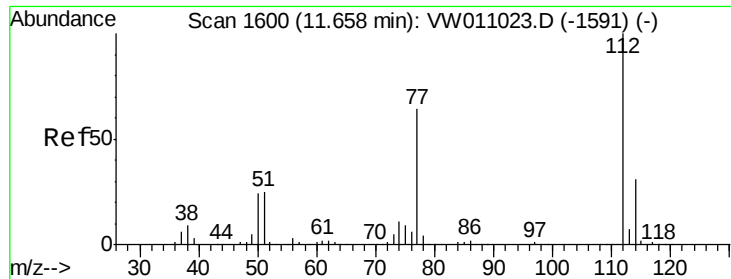
#64
Tetrachloroethene
Concen: 50.417 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:164 Resp: 114401
Ion Ratio Lower Upper
164 100
166 128.8 99.8 149.6
129 95.7 73.0 109.4
131 91.8 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

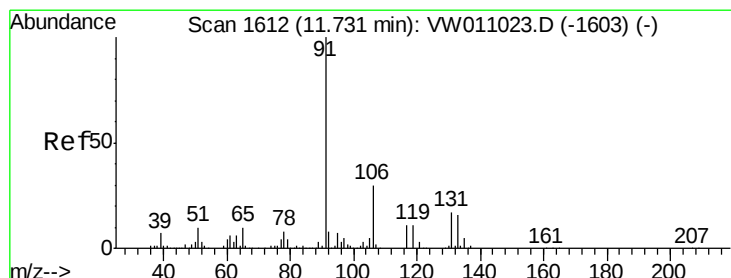
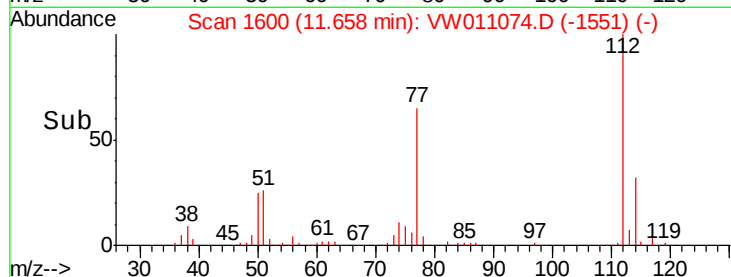
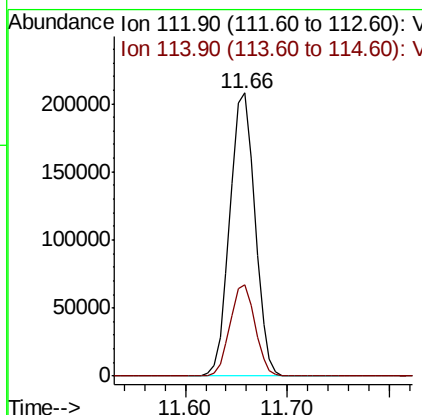
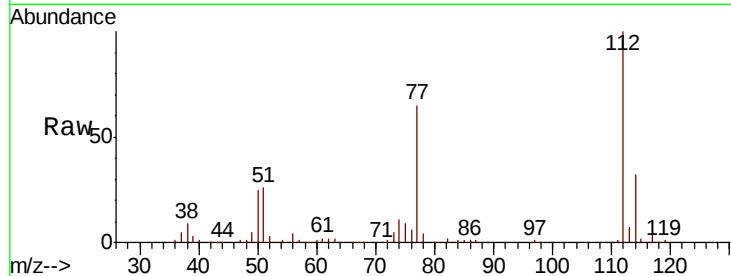




#65
Chlorobenzene
Concen: 52.410 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

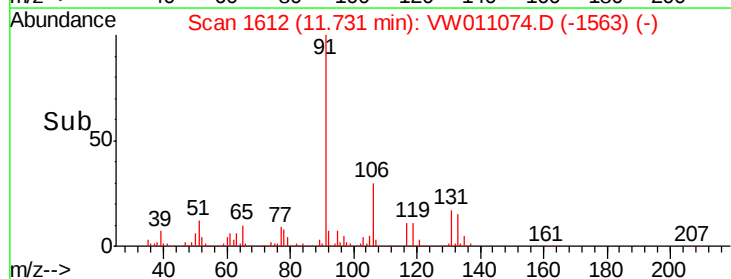
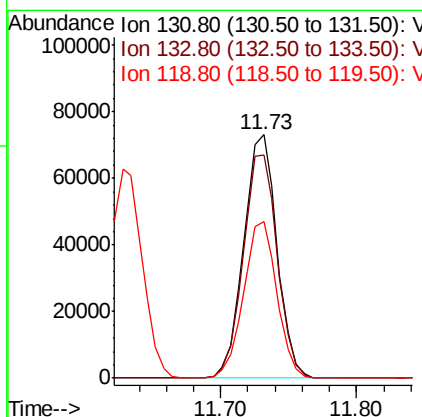
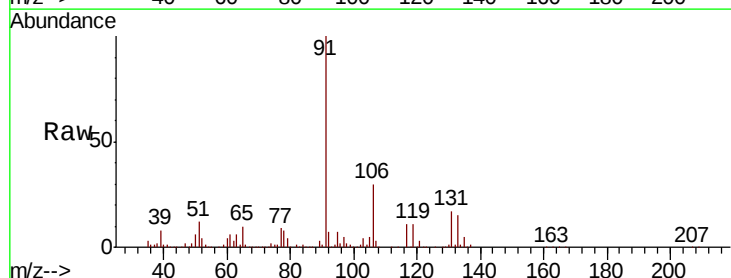
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

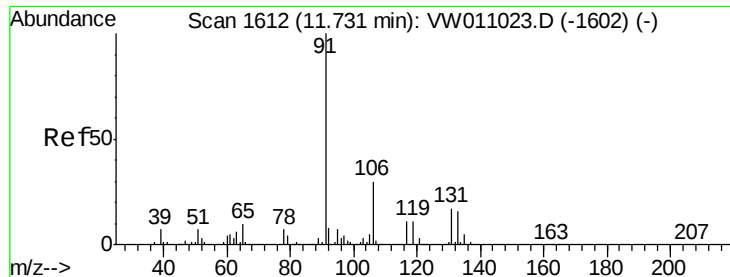
Tot Ion:112 Resp: 353743
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.541 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:131 Resp: 124985
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 64.6 33.1 99.2

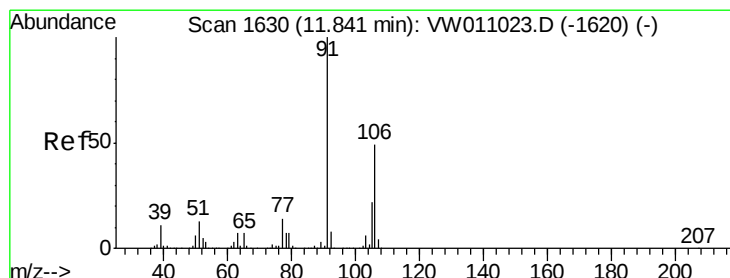
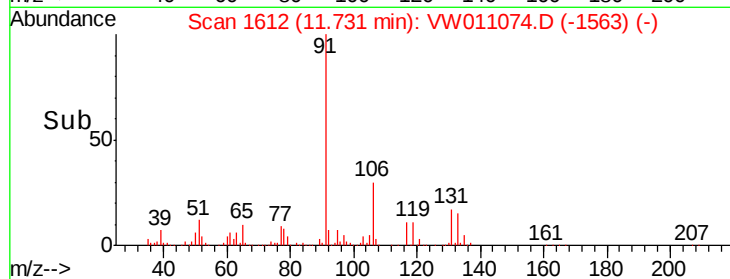
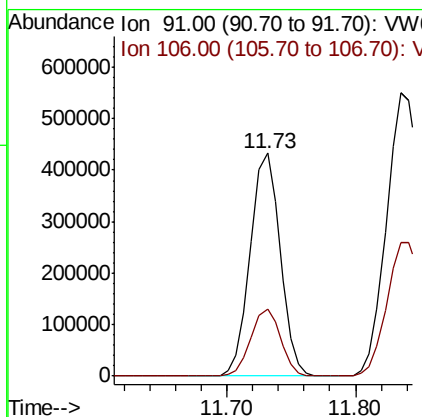
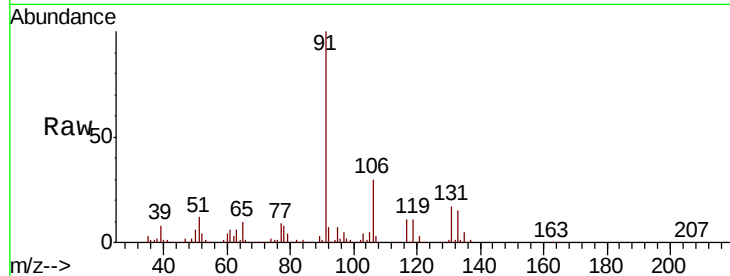




#67
Ethyl Benzene
Concen: 53.713 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

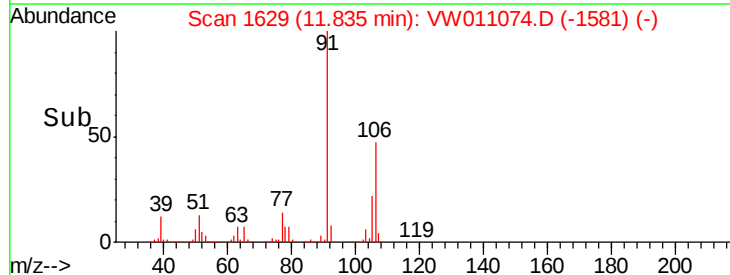
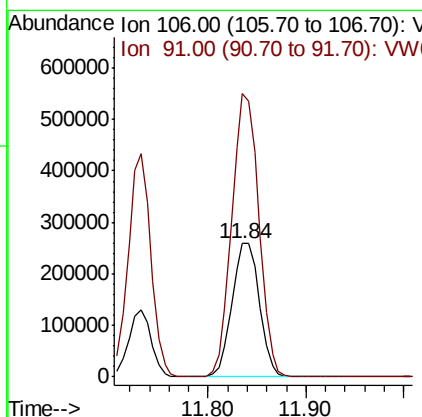
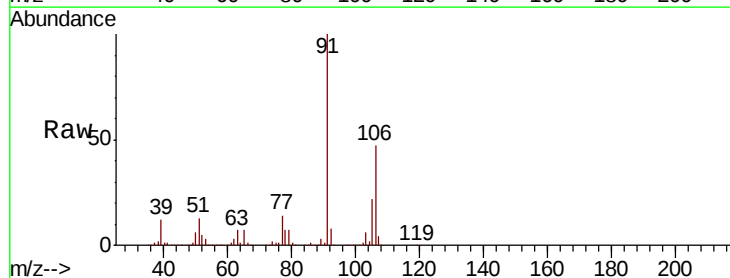
Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

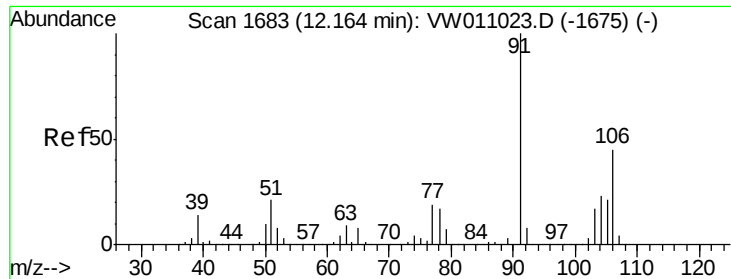
Tot Ion: 91 Resp: 694360
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 107.294 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 106 Resp: 503300
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3

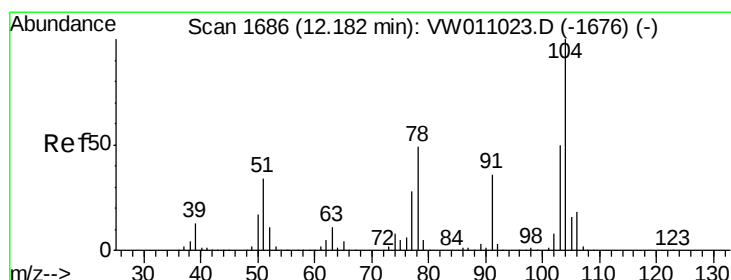
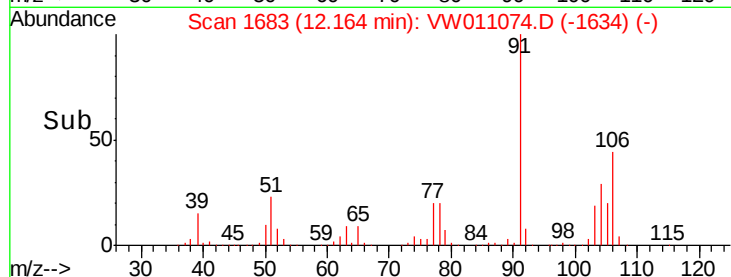
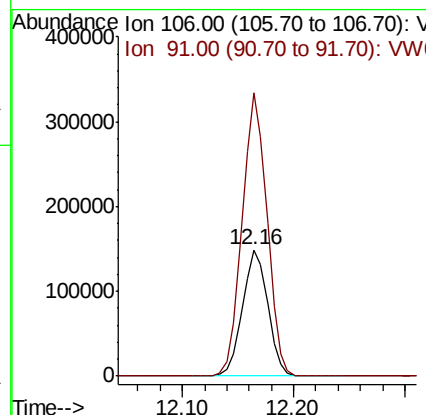
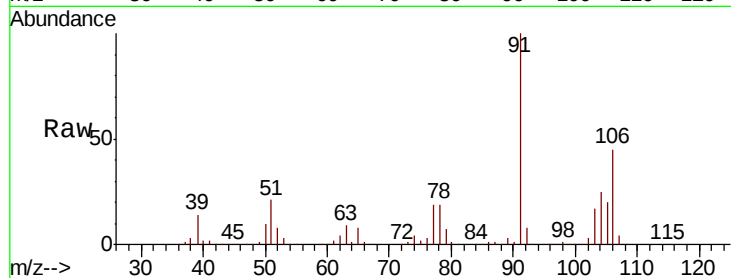




#69
o-Xylene
Concen: 53.515 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

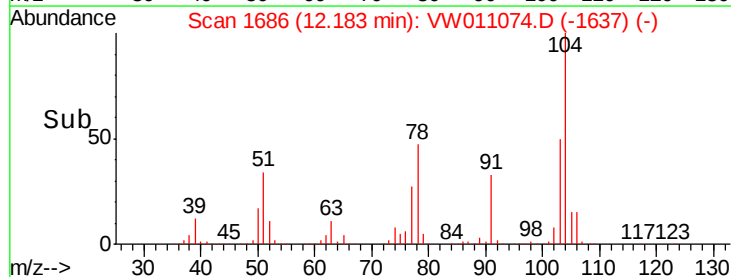
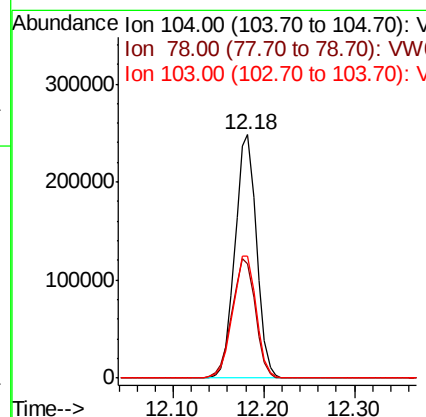
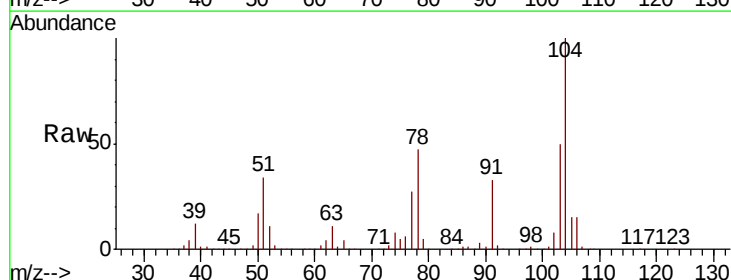
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

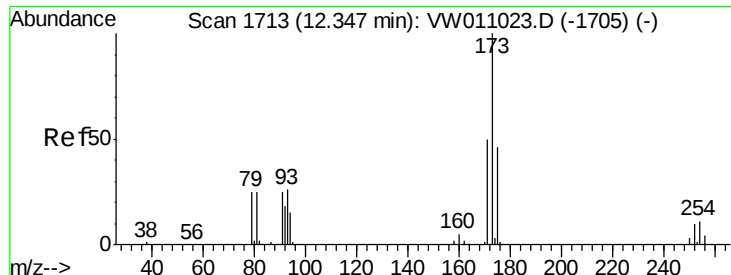
Tot Ion:106 Resp: 233818
Ion Ratio Lower Upper
106 100
91 221.3 110.8 332.3



#70
Styrene
Concen: 53.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:104 Resp: 407611
Ion Ratio Lower Upper
104 100
78 54.0 43.7 65.5
103 54.8 43.9 65.9





#71

Bromoform

Concen: 54.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

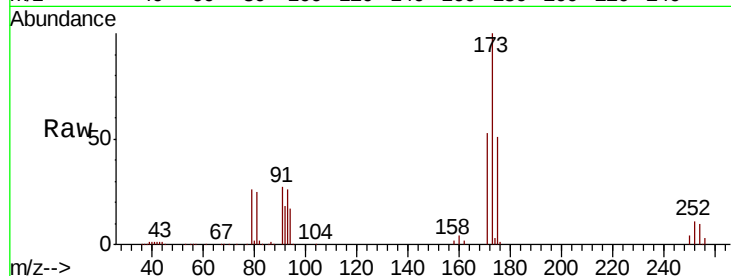
Tot Ion:173 Resp: 60609

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.2

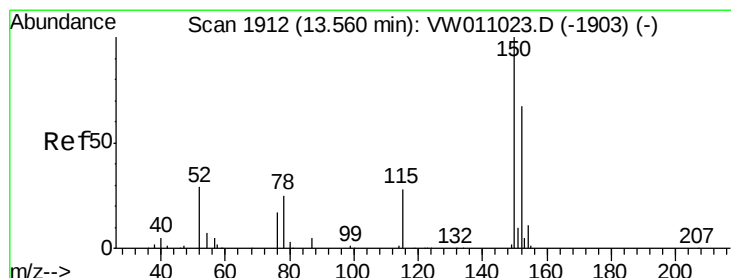
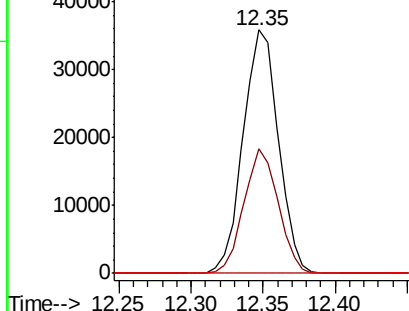
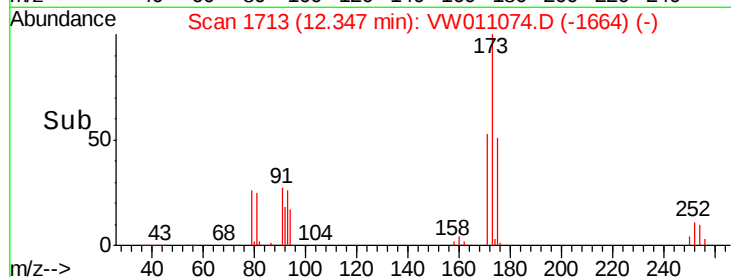
254 0.2 0.0 0.0#



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: VW011074.D

Acq: 01 Jul 2019 10:05

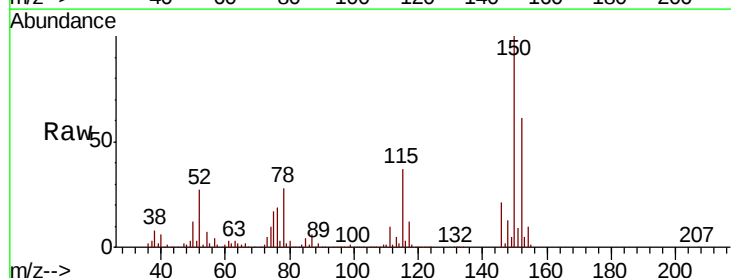
Tgt Ion:152 Resp: 161361

Ion Ratio Lower Upper

152 100

115 60.7 30.7 92.1

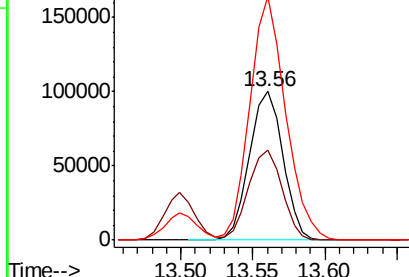
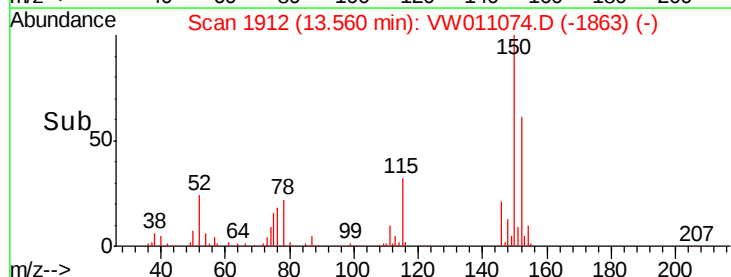
150 174.4 0.0 341.8

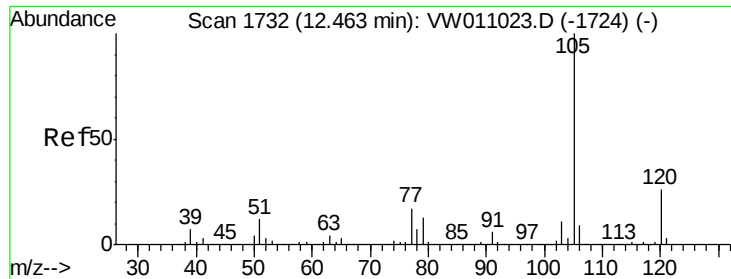


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.361 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

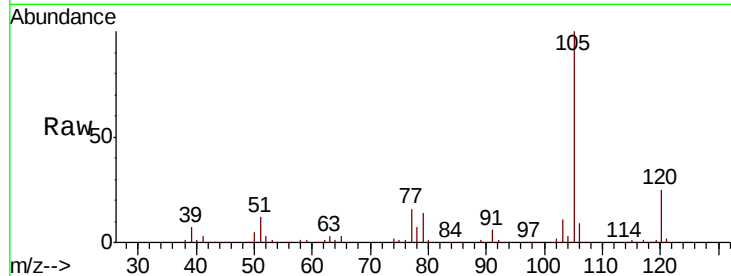
VSTDCCC050

Tot Ion:105 Resp: 657131

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

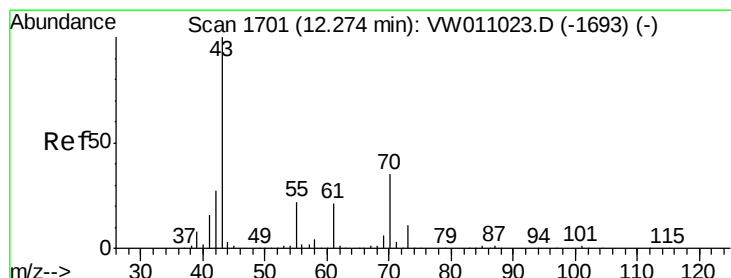
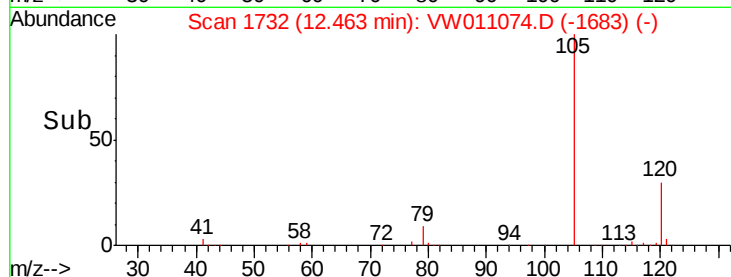
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 50.941 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion: 43 Resp: 206802

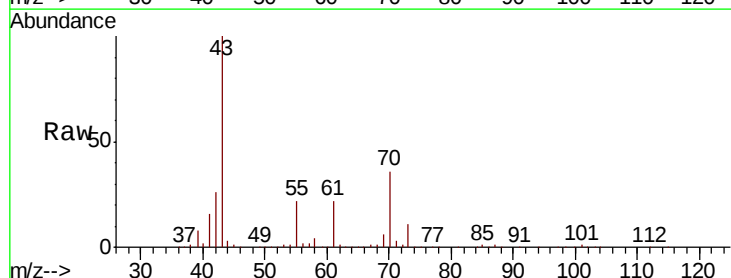
Ion Ratio Lower Upper

43 100

70 35.4 28.2 42.4

55 22.9 17.8 26.8

61 21.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

150000

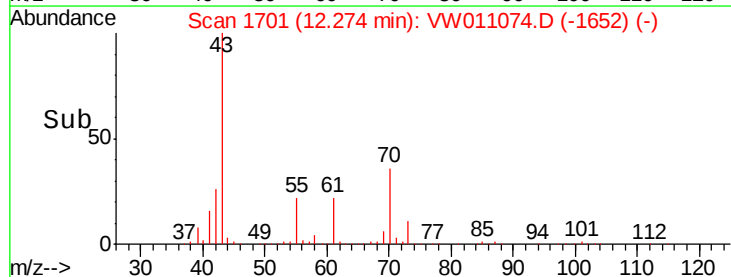
100000

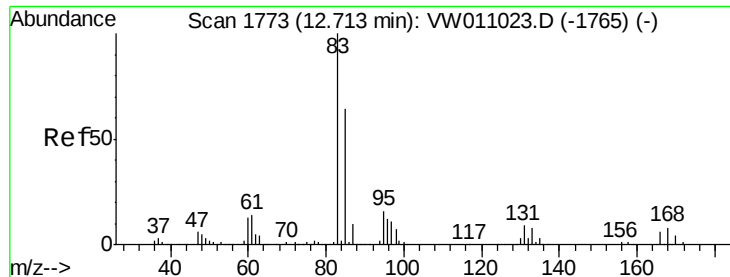
50000

0

Time-->

12.20 12.30 12.40

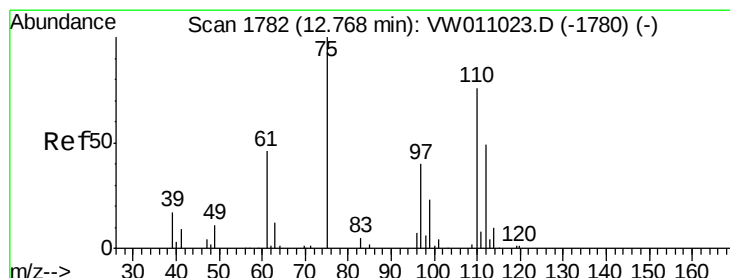
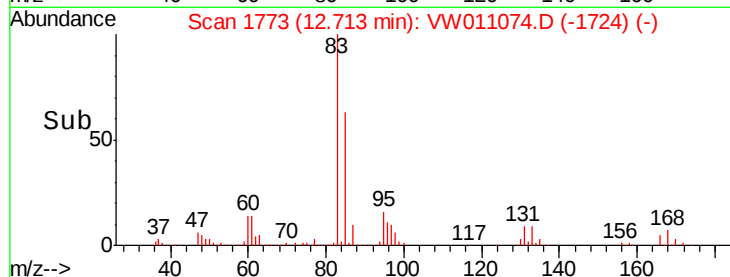
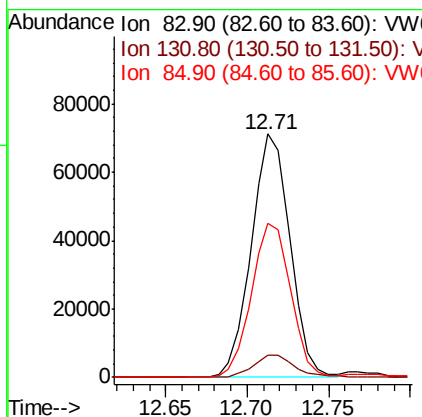
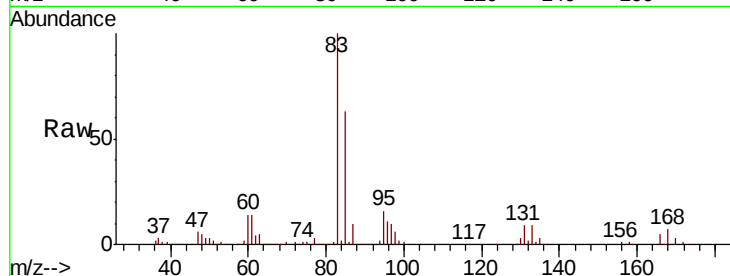




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.668 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

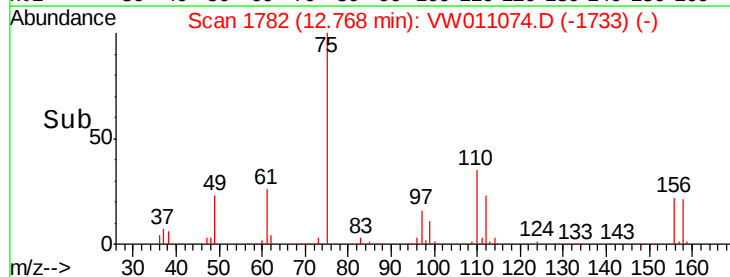
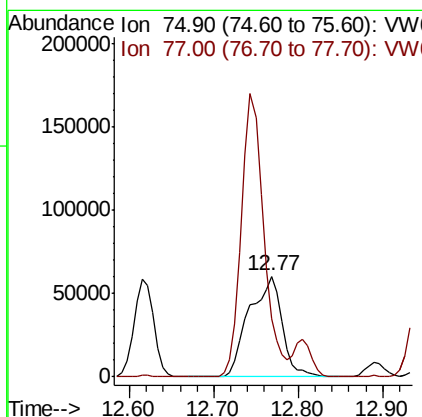
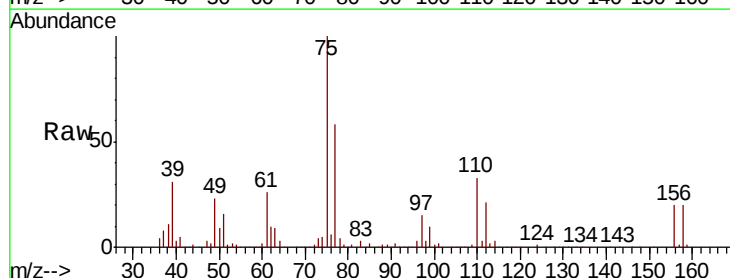
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

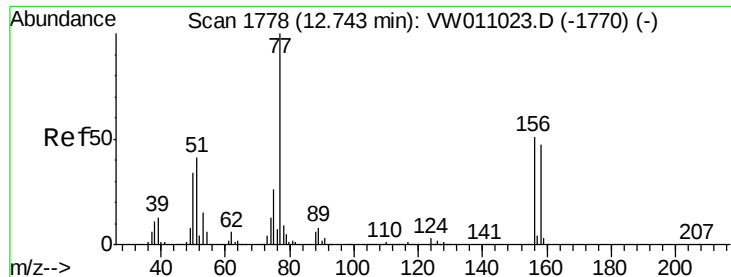
Tot Ion: 83 Resp: 117903
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 64.2 31.8 95.4



#76
 1,2,3-Trichloropropane
 Concen: 94.245 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 75 Resp: 160552
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.585 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

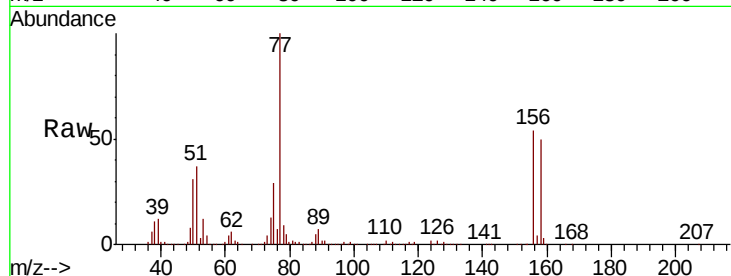
Tot Ion:156 Resp: 139721

Ion Ratio Lower Upper

156 100

77 217.6 109.5 328.5

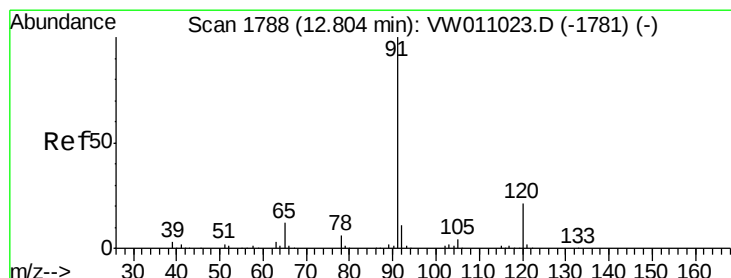
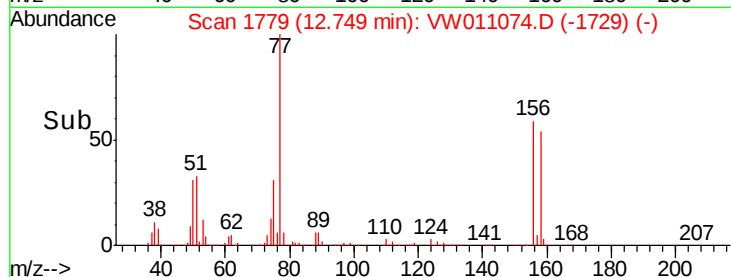
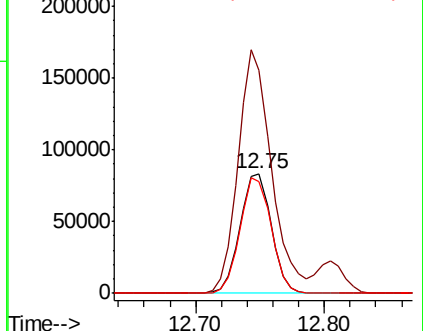
158 96.6 48.6 145.9



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: 54.696 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011074.D

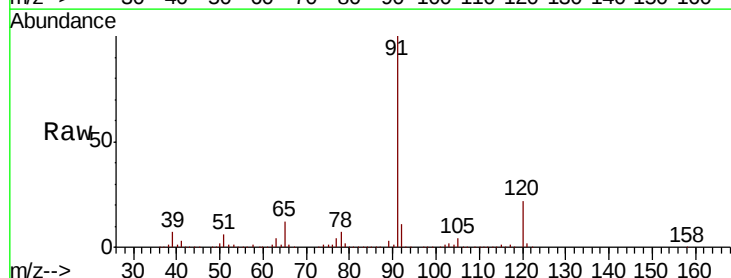
Acq: 01 Jul 2019 10:05

Tgt Ion: 91 Resp: 818778

Ion Ratio Lower Upper

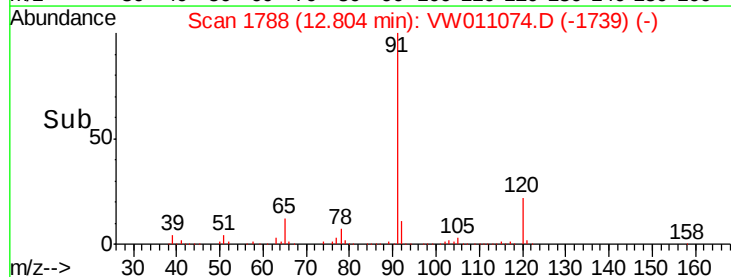
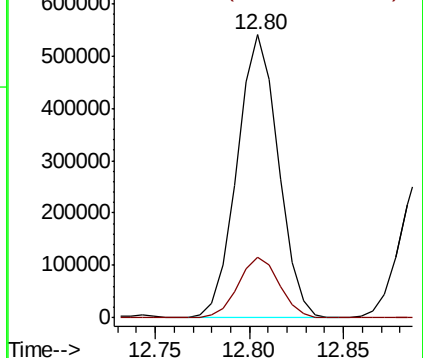
91 100

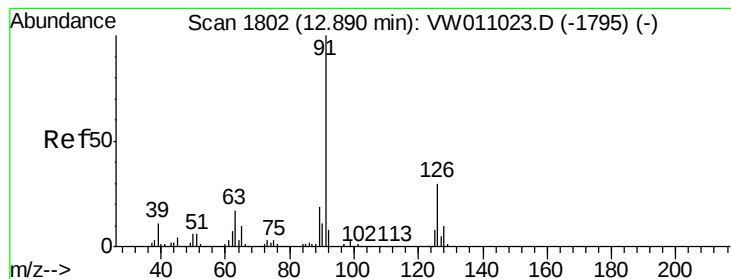
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.164 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

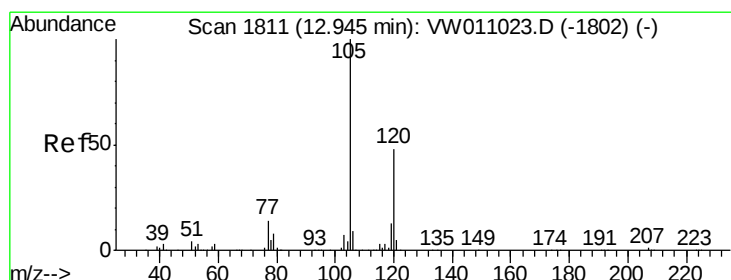
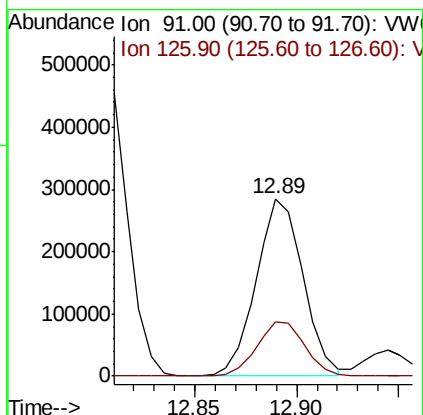
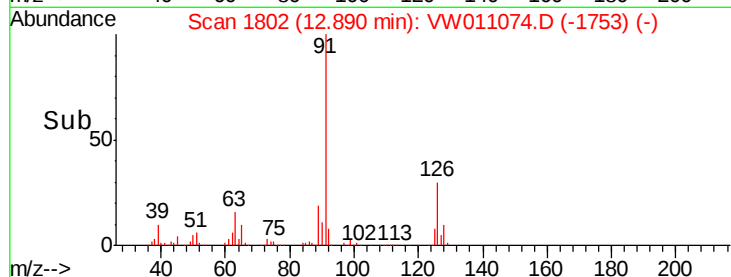
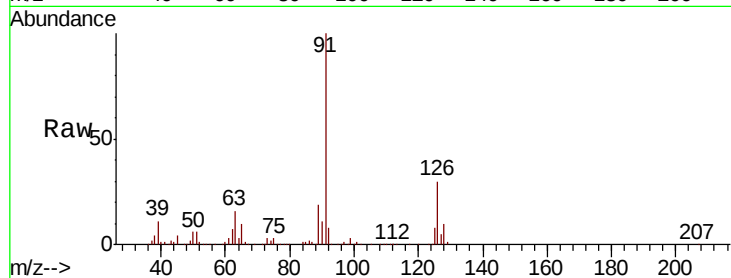
VSTDCCC050

Tot Ion: 91 Resp: 454664

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.4



#80

1,3,5-Trimethylbenzene

Concen: 54.724 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011074.D

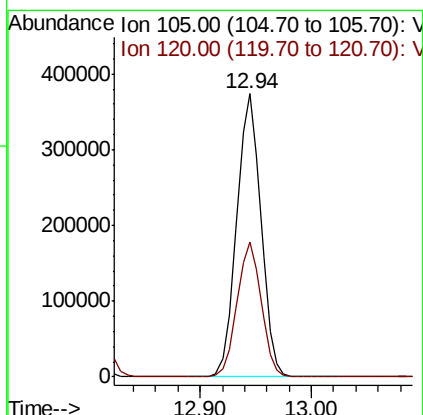
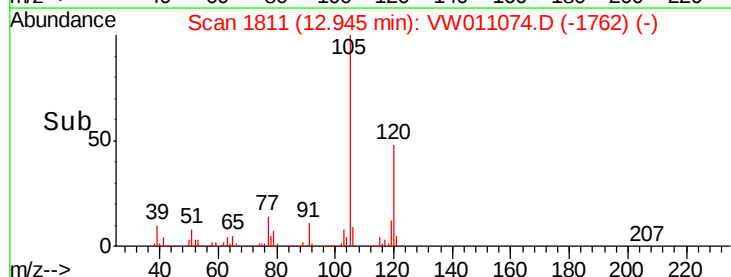
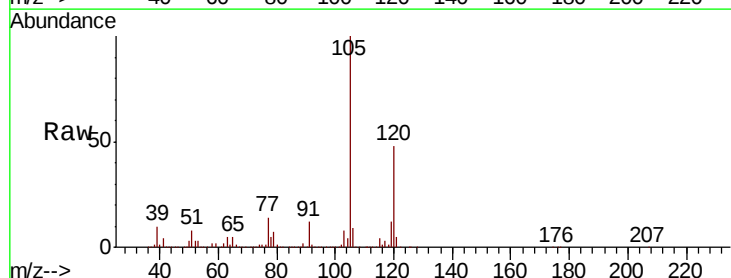
Acq: 01 Jul 2019 10:05

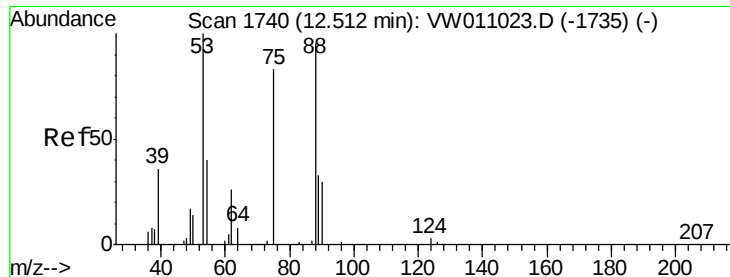
Tgt Ion: 105 Resp: 560692

Ion Ratio Lower Upper

105 100

120 47.6 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.943 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

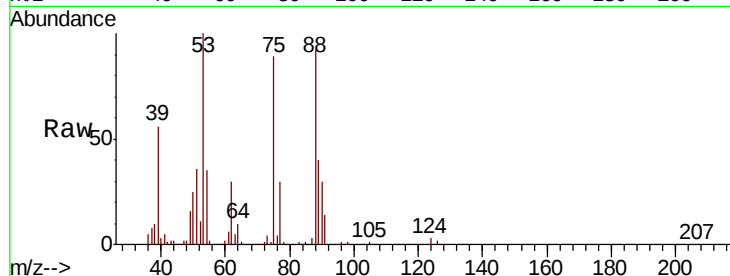
Tot Ion: 75 Resp: 39982

Ion Ratio Lower Upper

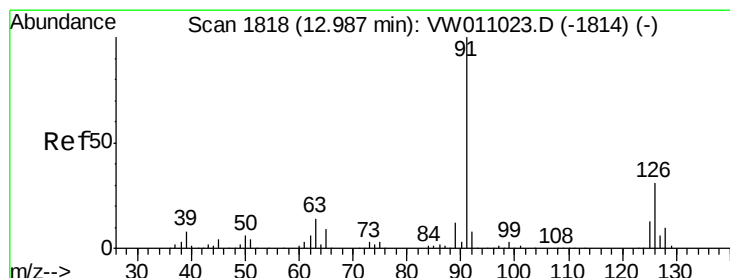
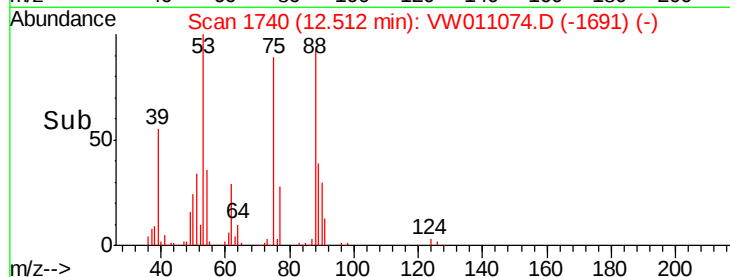
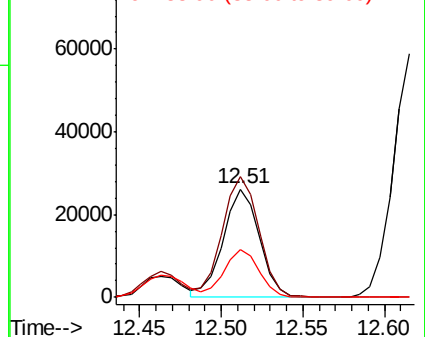
75 100

53 114.1 95.6 143.4

89 43.4 34.4 51.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 53.322 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011074.D

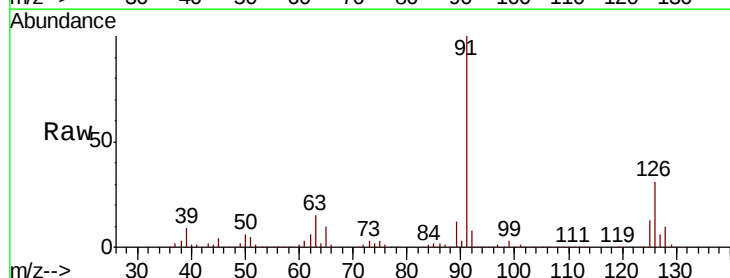
Acq: 01 Jul 2019 10:05

Tgt Ion: 91 Resp: 475222

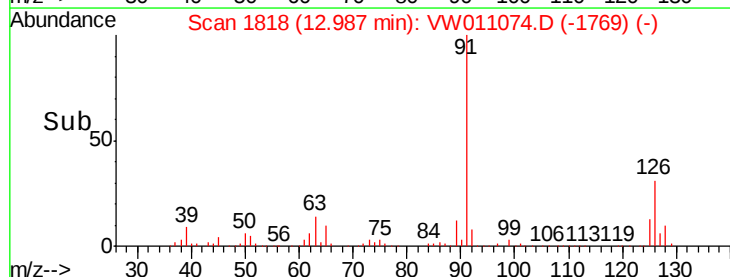
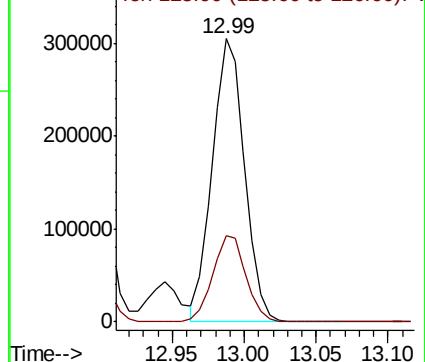
Ion Ratio Lower Upper

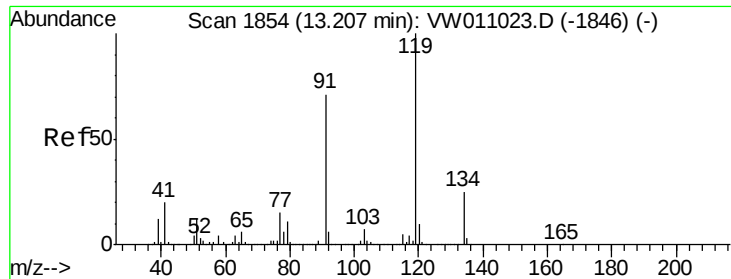
91 100

126 31.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

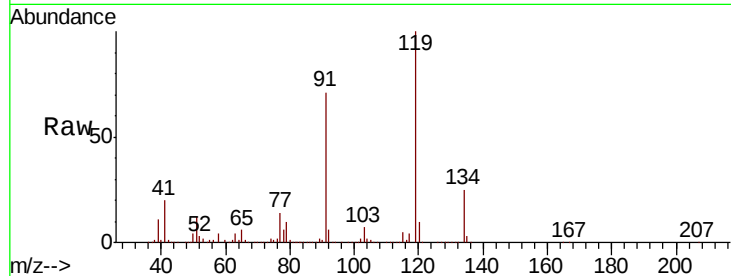




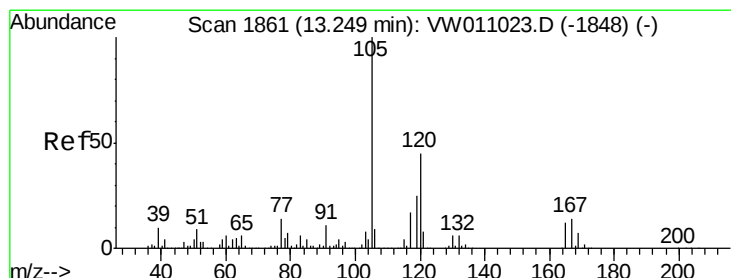
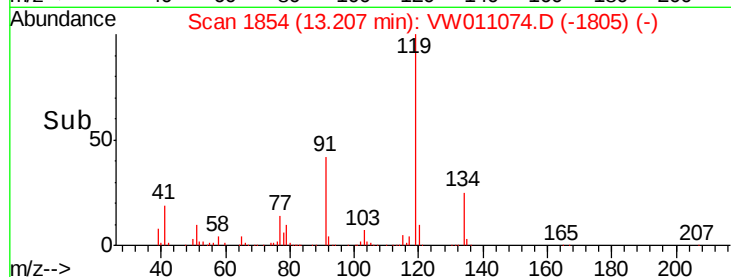
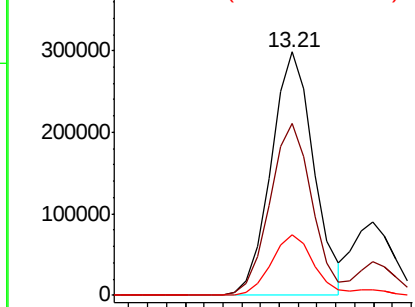
#83
tert-Butylbenzene
Concen: 54.763 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 467885
Ion Ratio Lower Upper
119 100
91 69.7 35.5 106.5
134 24.9 12.4 37.2

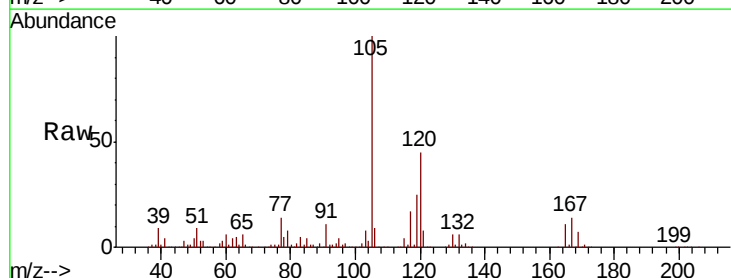


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

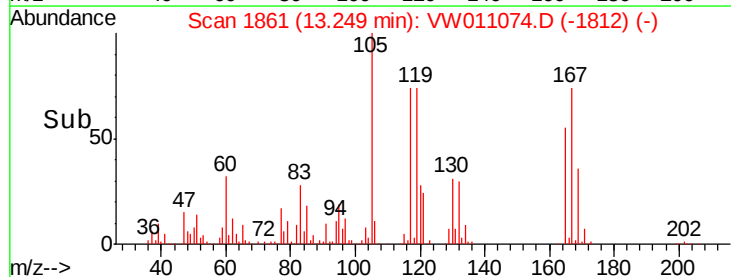
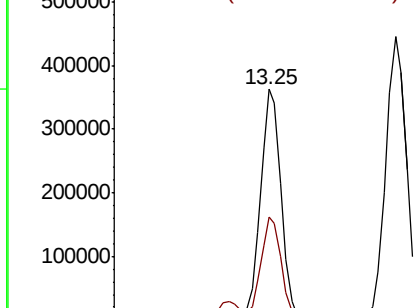


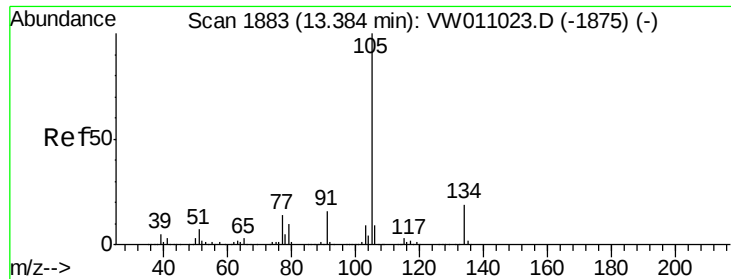
#84
1,2,4-Trimethylbenzene
Concen: 54.189 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:105 Resp: 561185
Ion Ratio Lower Upper
105 100
120 44.0 22.4 67.2



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





#85

sec-Butylbenzene

Concen: 54.942 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

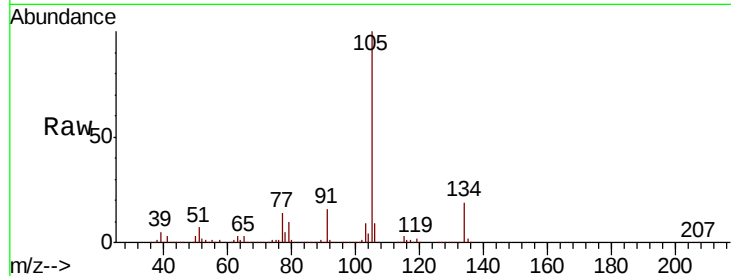
VSTDCCC050

Tot Ion:105 Resp: 681917

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

500000

400000

300000

200000

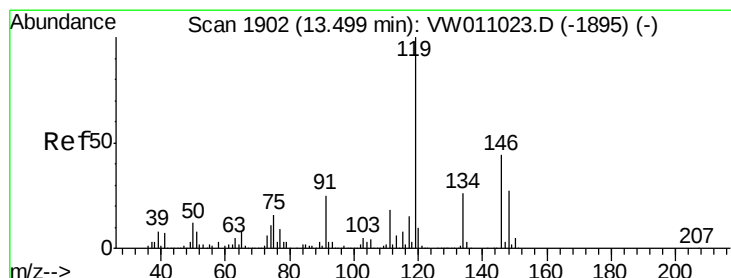
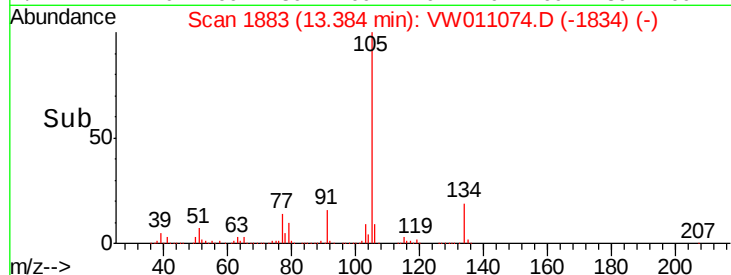
100000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 55.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

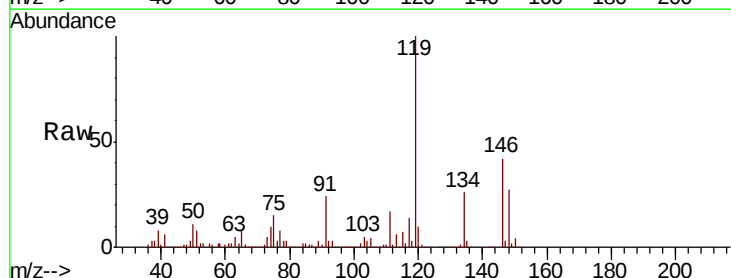
Tgt Ion:119 Resp: 614792

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

500000

400000

300000

200000

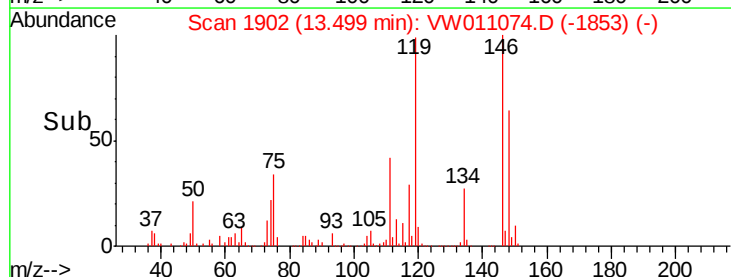
100000

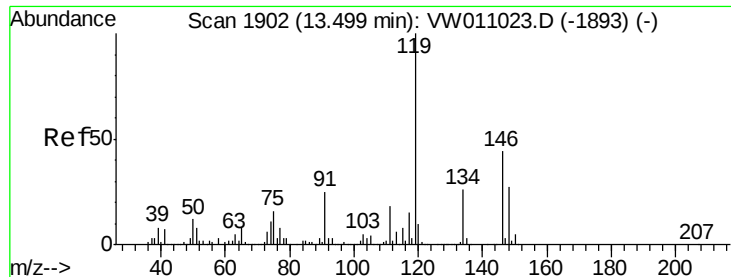
0

Time-->

13.40

13.50





#87

1,3-Dichlorobenzene

Concen: 53.108 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

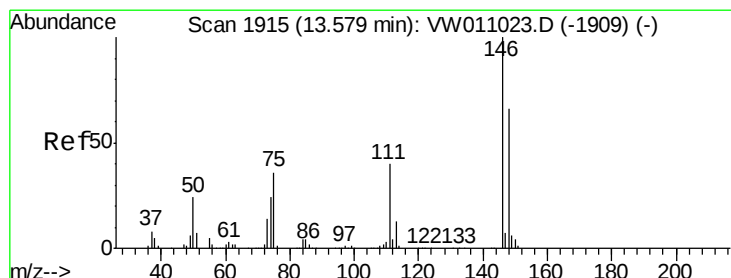
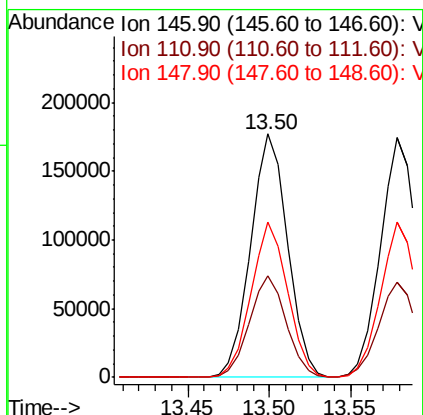
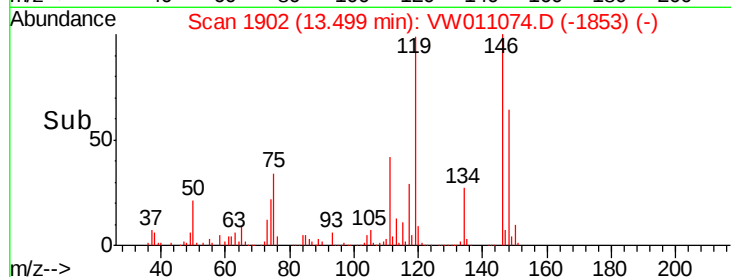
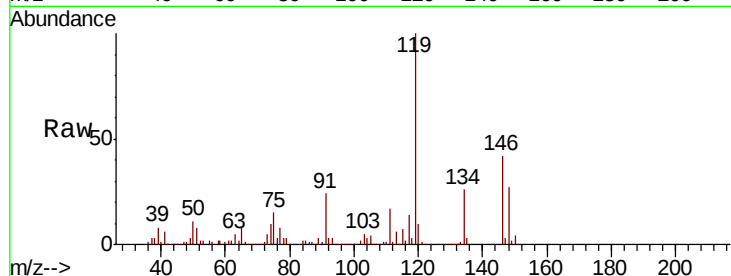
Tot Ion:146 Resp: 279127

Ion Ratio Lower Upper

146 100

111 41.5 20.9 62.8

148 62.9 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 52.170 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

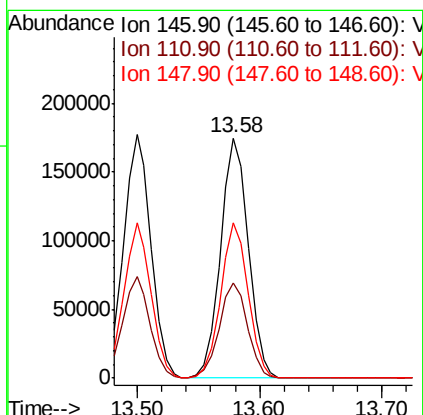
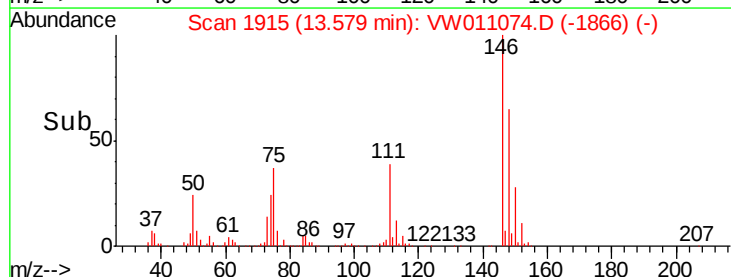
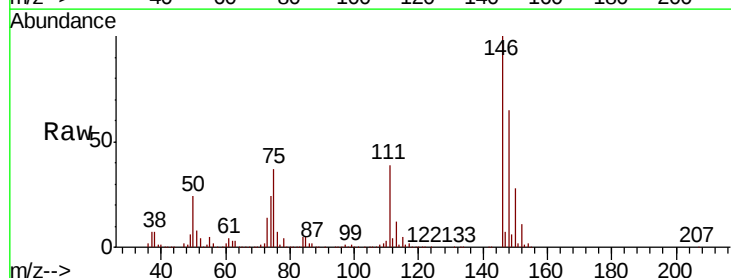
Tgt Ion:146 Resp: 273713

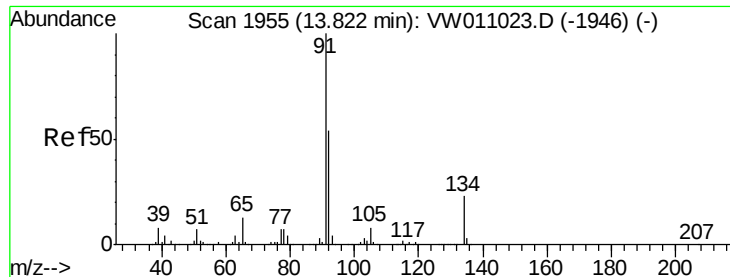
Ion Ratio Lower Upper

146 100

111 40.5 20.6 61.9

148 64.1 32.4 97.2





#89

n-Butylbenzene

Concen: 55.056 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

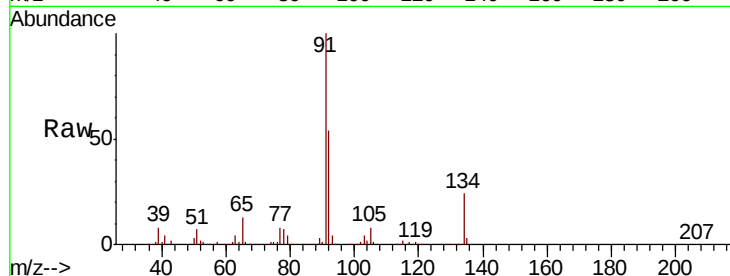
Tot Ion: 91 Resp: 625011

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

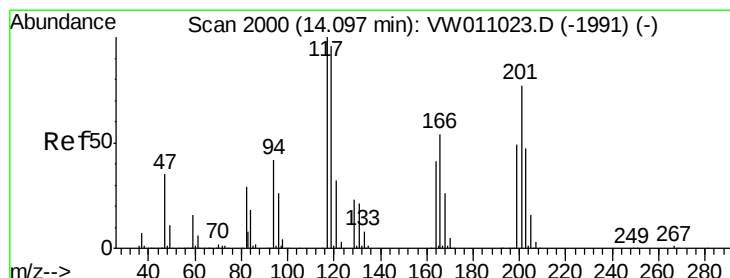
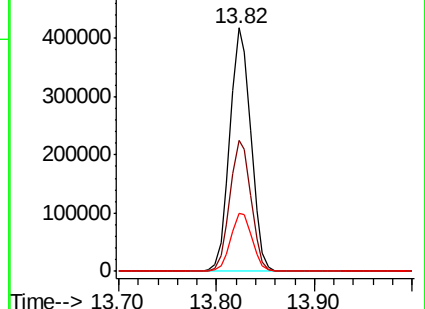
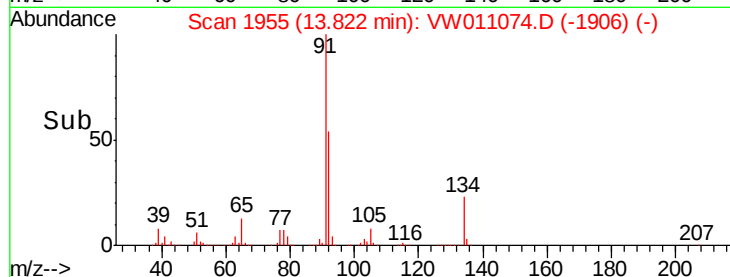
134 24.2 12.0 36.1



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: 57.470 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011074.D

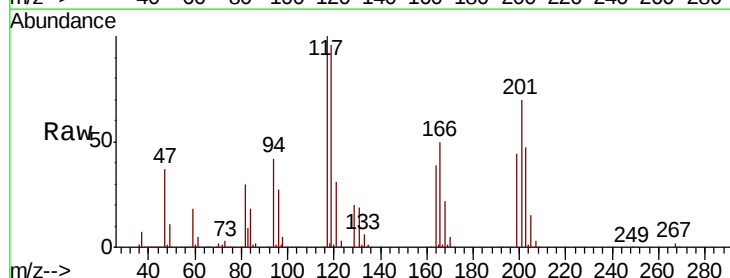
Acq: 01 Jul 2019 10:05

Tgt Ion: 117 Resp: 109827

Ion Ratio Lower Upper

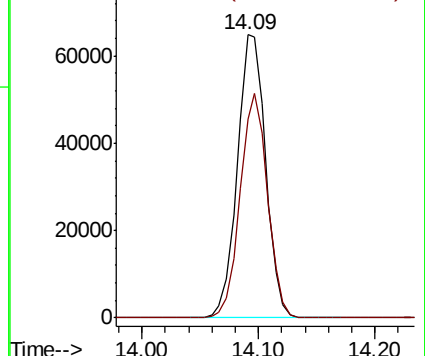
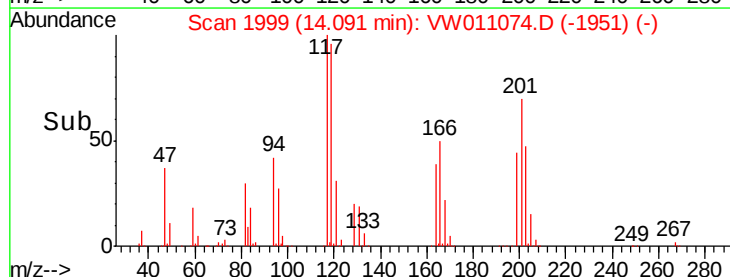
117 100

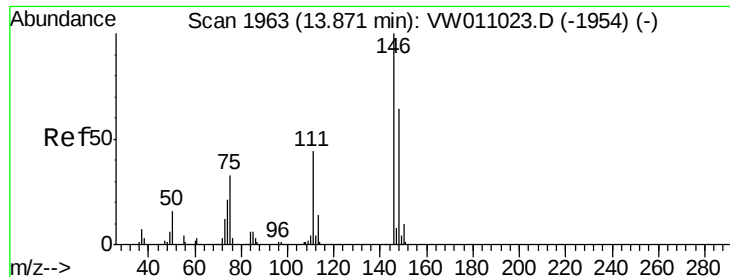
201 76.5 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

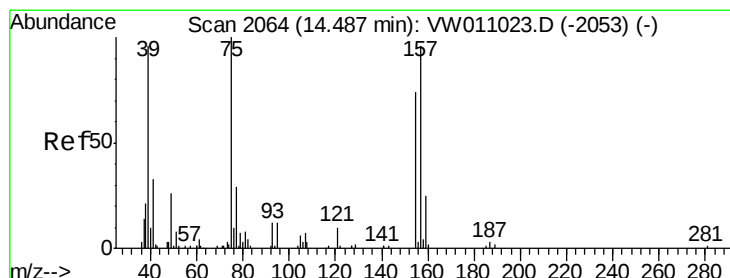
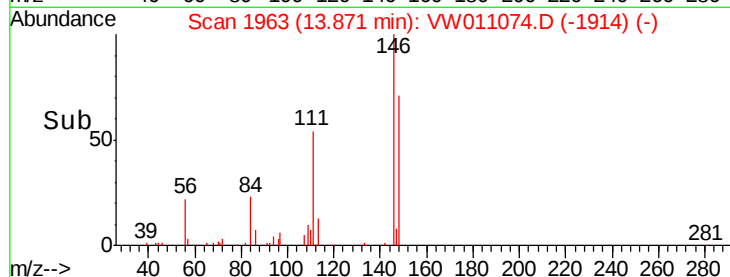
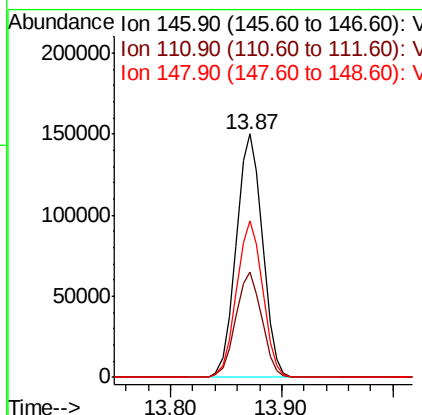
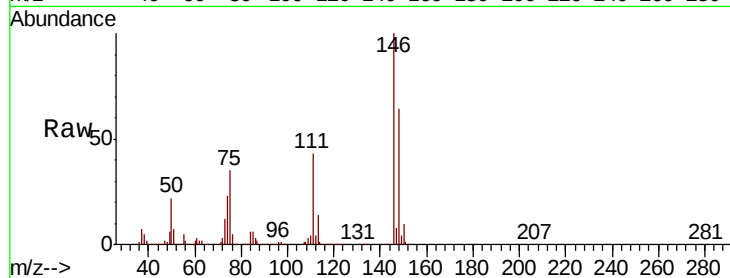




#91
 1,2-Dichlorobenzene
 Concen: 51.776 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

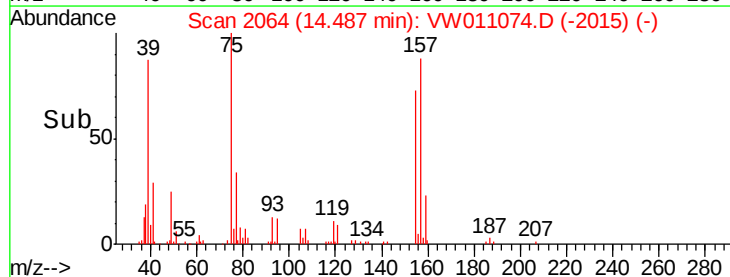
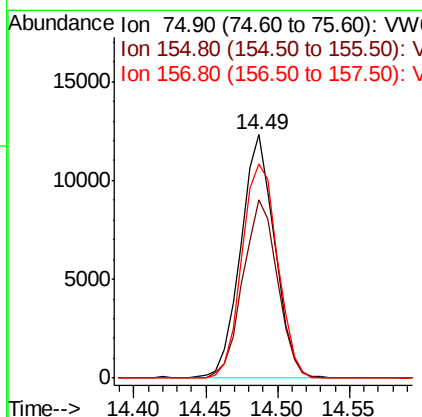
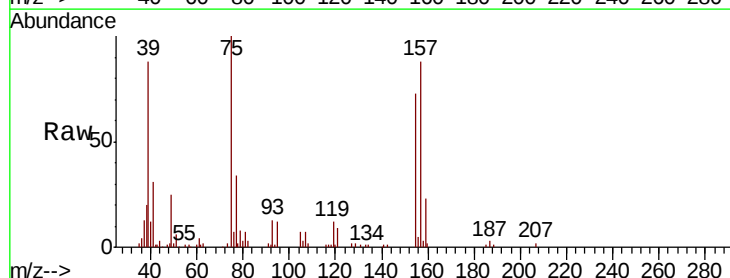
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

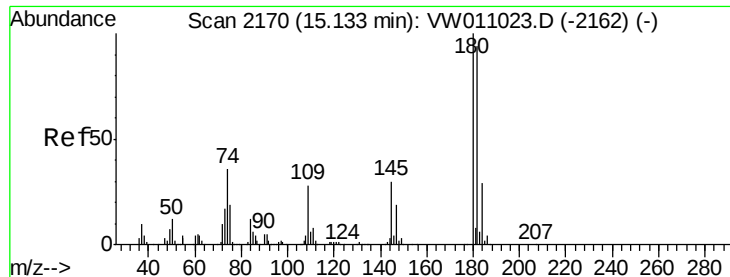
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	63.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.905 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	37.0	110.9
157	91.7	45.9	137.7

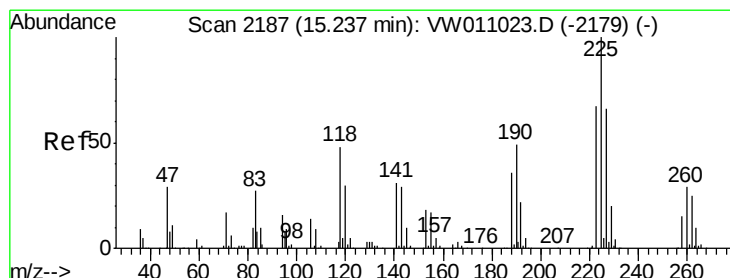
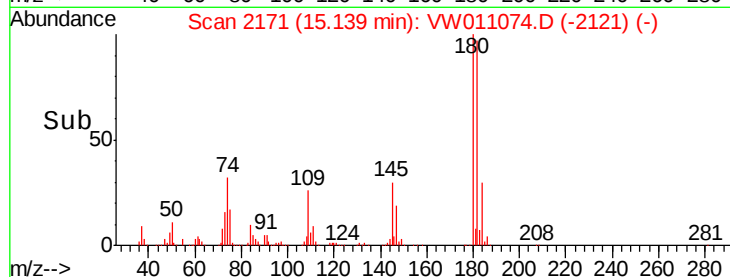
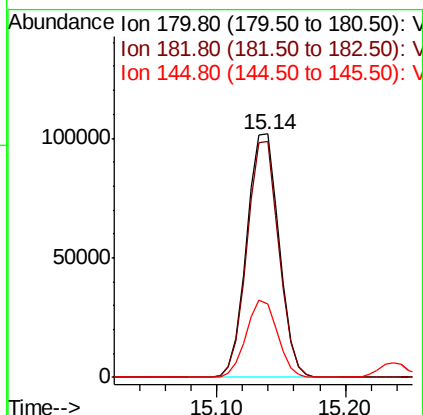
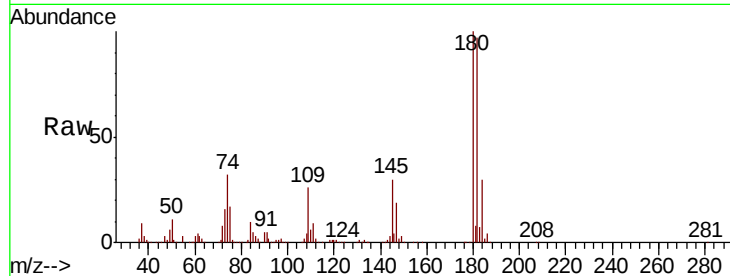




#93
 1,2,4-Trichlorobenzene
 Concen: 52.936 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

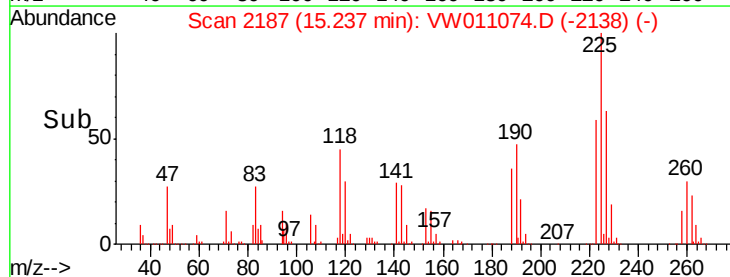
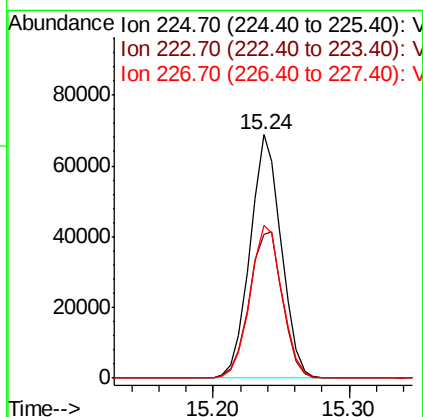
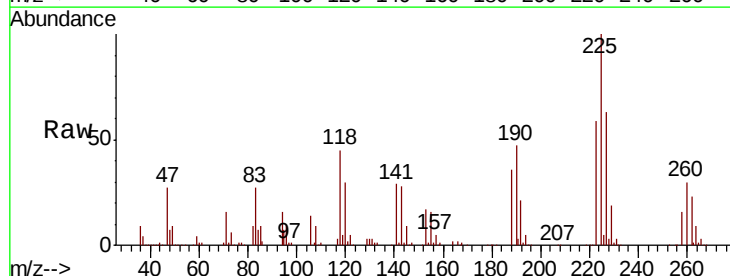
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

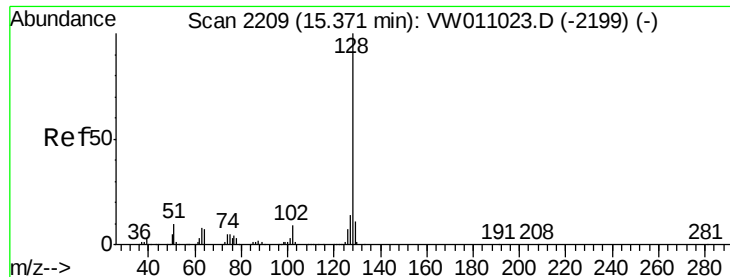
Tot Ion:180 Resp: 175814
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.4 142.2
 145 30.8 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 54.882 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion:225 Resp: 110556
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.9
 227 64.5 31.9 95.9

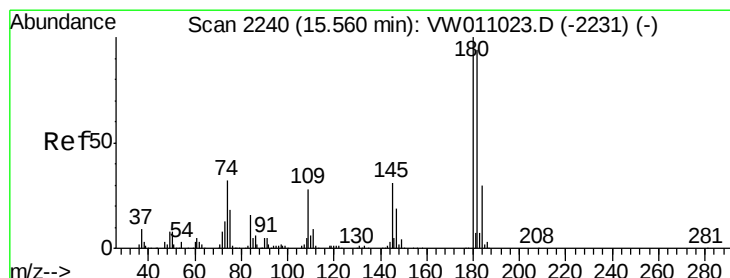
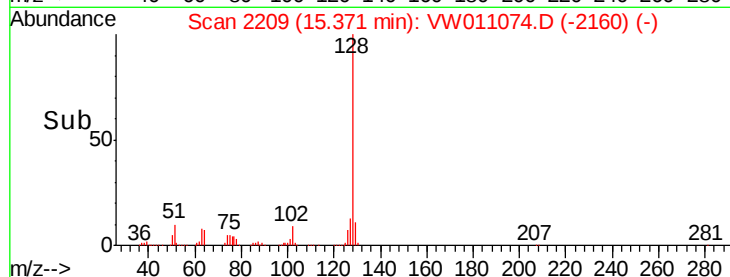
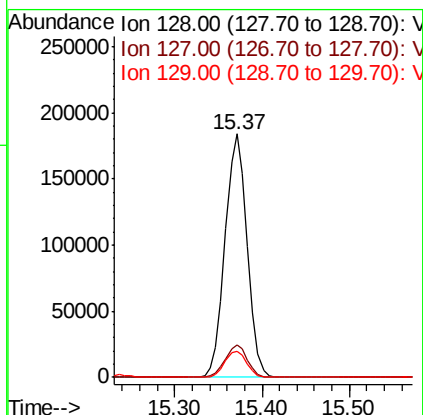
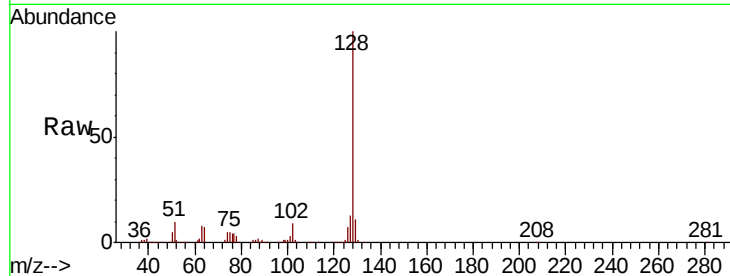




#95
Naphthalene
Concen: 51.418 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 320783
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.796 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:180 Resp: 153610
Ion Ratio Lower Upper
180 100
182 94.5 47.9 143.7
145 32.1 16.1 48.2

