

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010500.D
 Acq On : 22 May 2019 10:20
 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: May 23 06:53:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110365	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	73334	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	7.88	113	78929	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	303595	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	113612	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	71438	51.860	ug/l	99
3) Chloromethane	2.21	50	80976	49.835	ug/l	100
4) Vinyl Chloride	2.36	62	86943	46.193	ug/l	98
5) Bromomethane	2.77	94	75036	57.951	ug/l	95
6) Chloroethane	2.92	64	57563	47.642	ug/l	99
7) Trichlorofluoromethane	3.26	101	147449	53.063	ug/l	95
8) Diethyl Ether	3.68	74	41874	47.538	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89424	52.256	ug/l	99
10) Methyl Iodide	4.28	142	95348	48.747	ug/l	99
11) Tert butyl alcohol	5.19	59	25740	179.268	ug/l	100
12) 1,1-Dichloroethene	4.04	96	86048	52.676	ug/l	97
13) Acrolein	3.90	56	20907	249.878	ug/l	99
14) Allyl chloride	4.67	41	120951	51.152	ug/l	99
15) Acrylonitrile	5.37	53	80423	218.009	ug/l	97
16) Acetone	4.14	43	72564	222.701	ug/l	100
17) Carbon Disulfide	4.38	76	252807	51.885	ug/l	99
18) Methyl Acetate	4.67	43	31653	39.720	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	201895	48.481	ug/l	95
20) Methylene Chloride	4.92	84	86029	44.433	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	97546	52.060	ug/l	99
22) Diisopropyl ether	6.31	45	238449	49.181	ug/l	98
23) Vinyl Acetate	6.26	43	700262	241.789	ug/l	99
24) 1,1-Dichloroethane	6.21	63	149645	51.721	ug/l	99
25) 2-Butanone	7.17	43	104888	224.936	ug/l	98
26) 2,2-Dichloropropane	7.17	77	147326	53.456	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	106667	52.363	ug/l	98
28) Bromochloromethane	7.51	49	53207	51.363	ug/l	94
29) Tetrahydrofuran	7.53	42	64314	203.825	ug/l	98
30) Chloroform	7.68	83	162730	52.143	ug/l	97
31) Cyclohexane	7.95	56	150477	49.650	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	156648	52.516	ug/l	99
36) 1,1-Dichloropropene	8.09	75	130480	53.393	ug/l	99
37) Ethyl Acetate	7.25	43	46116	44.376	ug/l	98
38) Carbon Tetrachloride	8.07	117	143361	54.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	176306	53.849	ug/l	98
40) Benzene	8.32	78	358351	52.758	ug/l	99
41) Methacrylonitrile	7.48	41	28994	46.956	ug/l	94
42) 1,2-Dichloroethane	8.40	62	97040	49.987	ug/l	99
43) Isopropyl Acetate	8.42	43	92585	44.596	ug/l	98
44) Trichloroethene	9.09	130	108907	54.008	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82881	51.378	ug/l	97
46) Dibromomethane	9.46	93	47374	50.216	ug/l	98
47) Bromodichloromethane	9.65	83	123658	52.160	ug/l	99
48) Methyl methacrylate	9.43	41	45037	47.418	ug/l	93
49) 1,4-Dioxane	9.46	88	12446	807.596	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	227392	216.150	ug/l	99
52) Toluene	10.39	92	243258	53.328	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	120396	50.143	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	142449	51.948	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66950	49.350	ug/l	98
56) Ethyl methacrylate	10.65	69	86525	46.245	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113442	49.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	184335	222.431	ug/l	98
59) 2-Hexanone	10.97	43	172088	229.314	ug/l	100
60) Dibromochloromethane	11.13	129	88202	51.371	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67828	49.356	ug/l	100
64) Tetrachloroethene	10.86	164	85946	53.737	ug/l	97
65) Chlorobenzene	11.66	112	260569	53.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94260	53.812	ug/l	99
67) Ethyl Benzene	11.73	91	458850	53.150	ug/l	100
68) m/p-Xylenes	11.84	106	359139	106.059	ug/l	100
69) o-Xylene	12.16	106	169725	52.903	ug/l	99
70) Styrene	12.18	104	287470	52.810	ug/l	99
71) Bromoform	12.35	173	48106	49.871	ug/l #	99
73) Isopropylbenzene	12.46	105	462554	52.816	ug/l	100
74) N-amyl acetate	12.27	43	86153	42.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73988	46.448	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	94673	84.509	ug/l	33
77) Bromobenzene	12.75	156	102465	52.282	ug/l	98
78) n-propylbenzene	12.80	91	535464	52.465	ug/l	100
79) 2-Chlorotoluene	12.90	91	304936	51.520	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	391509	52.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24815	46.229	ug/l	99
82) 4-Chlorotoluene	12.99	91	318607	51.861	ug/l	99
83) tert-Butylbenzene	13.21	119	338017	52.170	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	383320	51.888	ug/l	99
85) sec-Butylbenzene	13.38	105	477014	52.609	ug/l	100
86) p-Isopropyltoluene	13.50	119	429034	52.277	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	199183	51.802	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	202385	52.461	ug/l	99
89) n-Butylbenzene	13.83	91	405883	51.995	ug/l	100
90) Hexachloroethane	14.10	117	84869	53.427	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	180910	51.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12600	42.539	ug/l	97

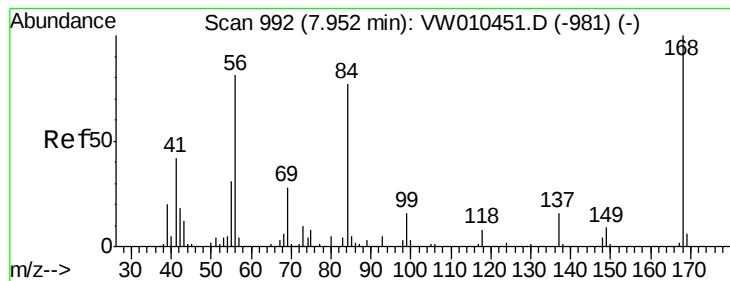
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	120345	50.486	ug/l	99
94) Hexachlorobutadiene	15.24	225	66840	52.487	ug/l	99
95) Naphthalene	15.37	128	230347	46.034	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	102786	50.112	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

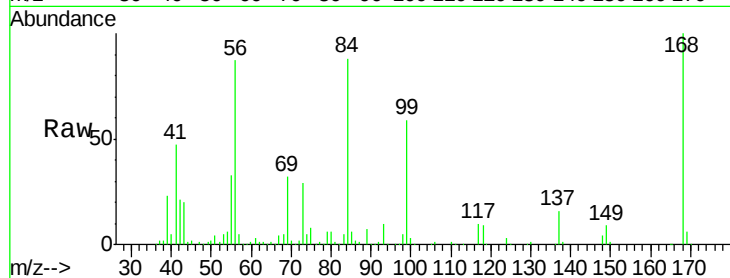
VSTDCCC050

Tot Ion:168 Resp: 154653

Ion Ratio Lower Upper

168 100

99 59.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

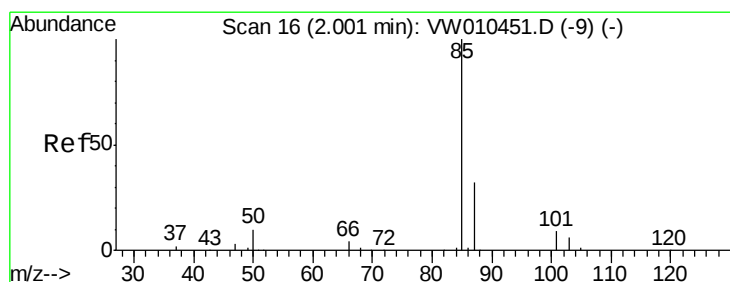
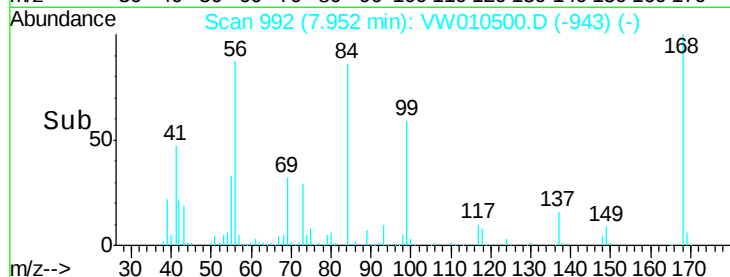
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.860 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010500.D

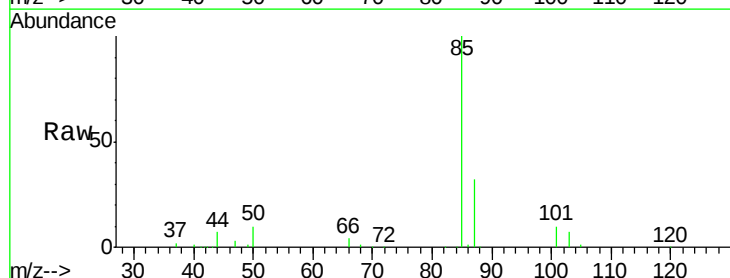
Acq: 22 May 2019 10:20

Tgt Ion: 85 Resp: 71438

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

20000

10000

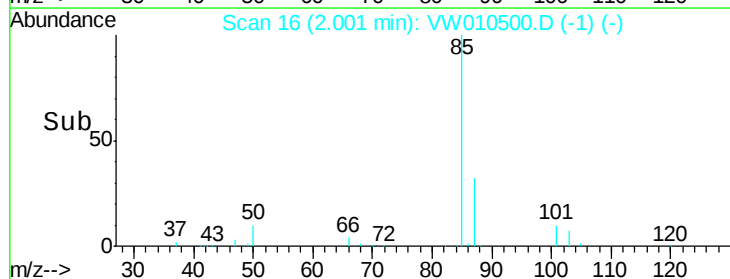
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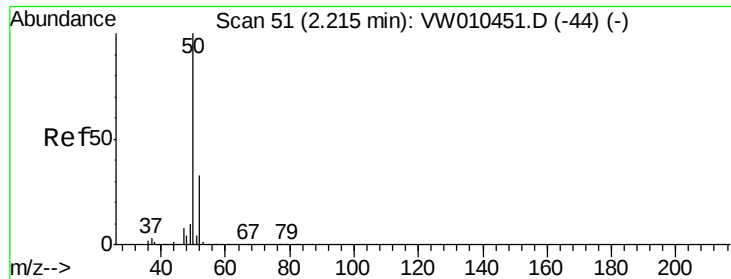
1.90

2.00

2.10

Time-->

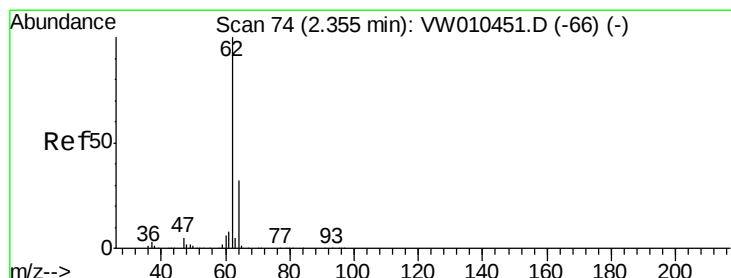
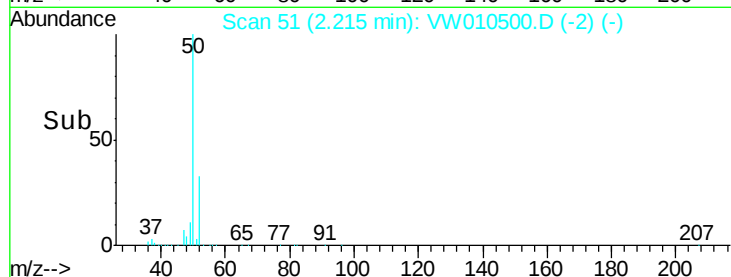
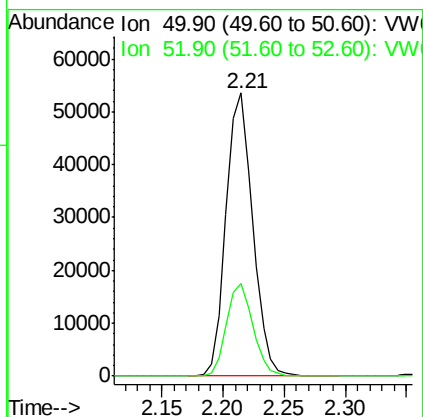
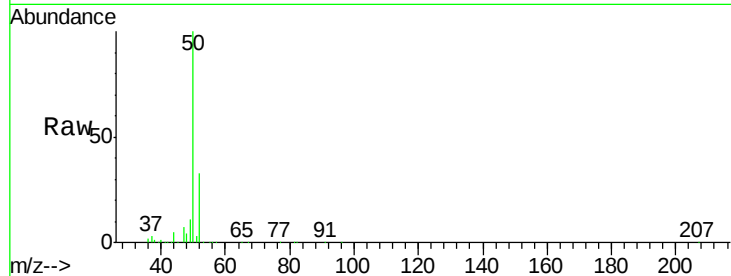




#3
Chloromethane
Concen: 49.835 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

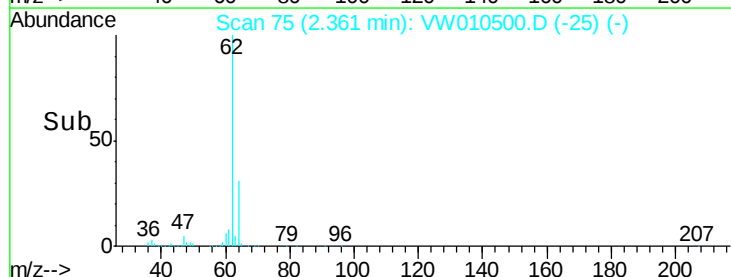
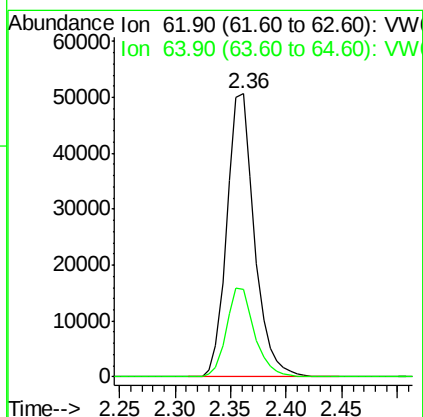
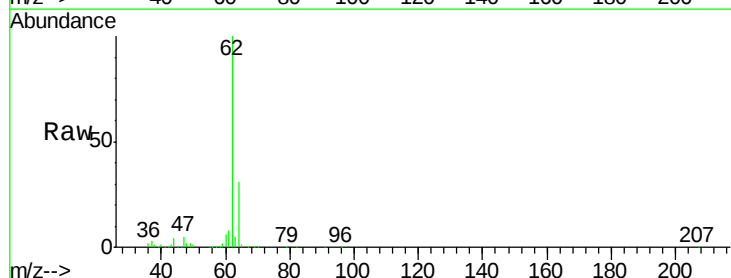
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

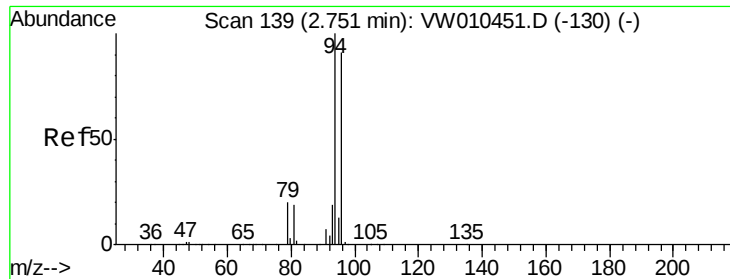
Tot Ion: 50 Resp: 80976
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 46.193 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 62 Resp: 86943
Ion Ratio Lower Upper
62 100
64 30.9 25.8 38.8





#5

Bromomethane

Concen: 57.951 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.02 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

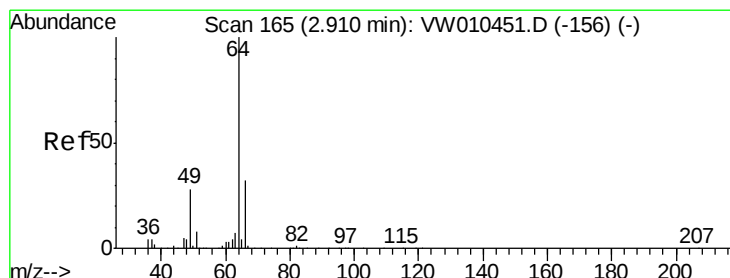
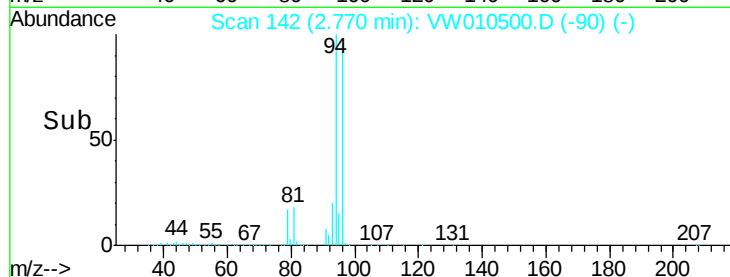
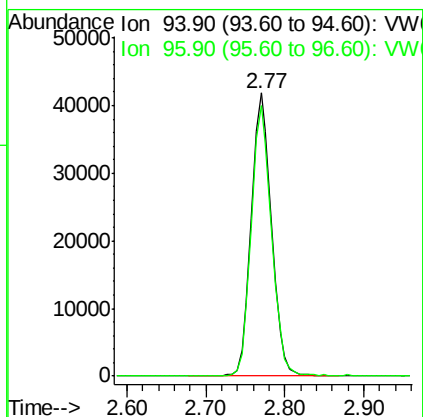
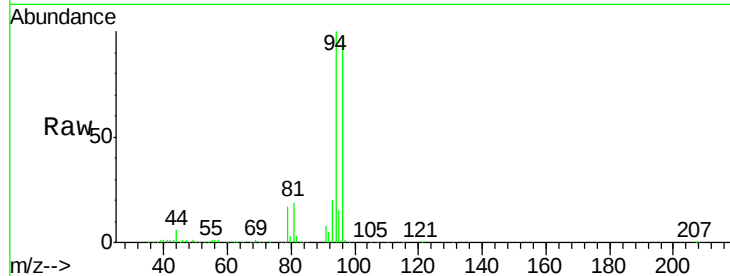
VSTDCCC050

Tot Ion: 94 Resp: 75036

Ion Ratio Lower Upper

94 100

96 95.5 72.9 109.3



#6

Chloroethane

Concen: 47.642 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010500.D

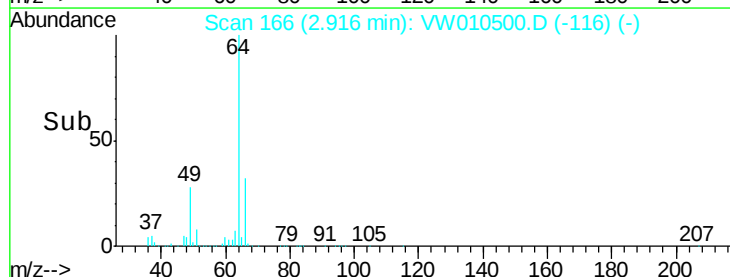
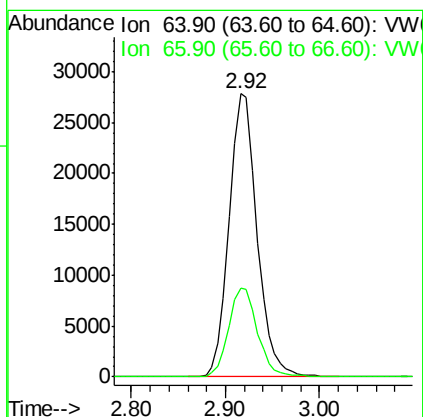
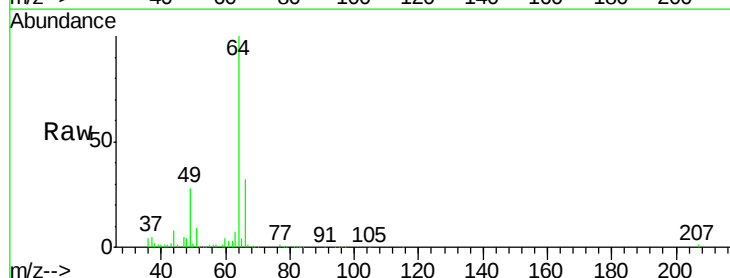
Acq: 22 May 2019 10:20

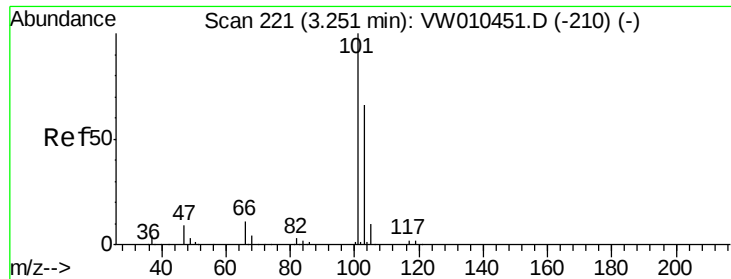
Tgt Ion: 64 Resp: 57563

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



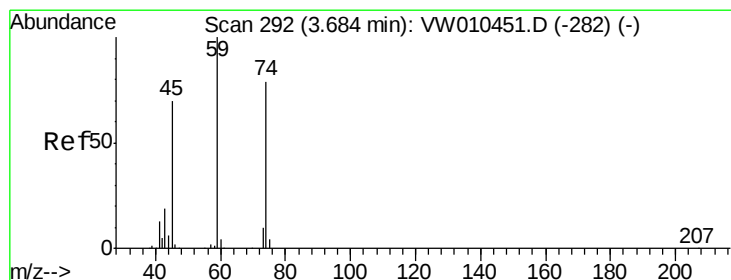
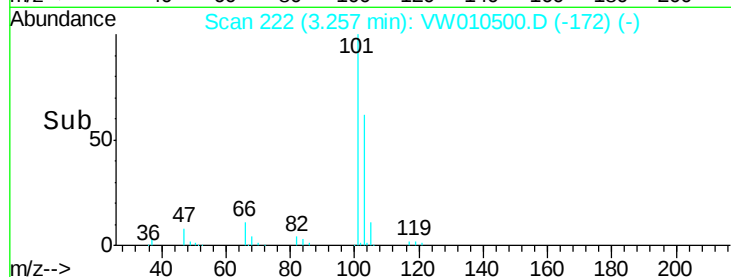
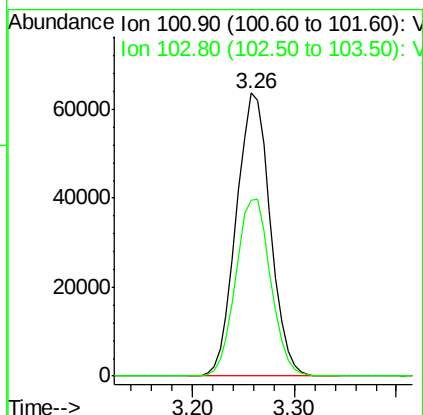
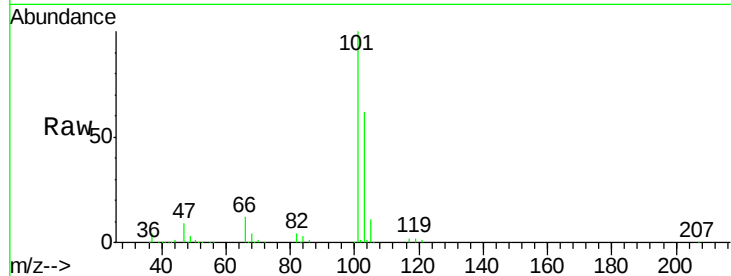


#7

Trichlorofluoromethane
 Concen: 53.063 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
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 ClientSampleId :
 VSTDCCC050

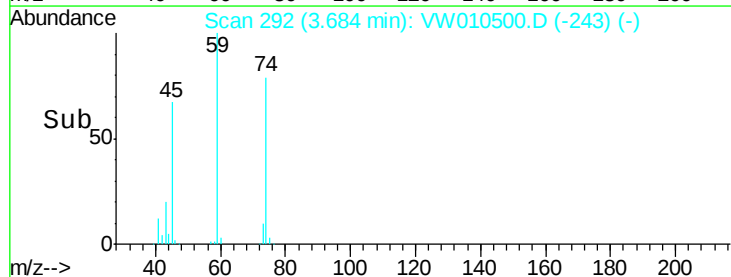
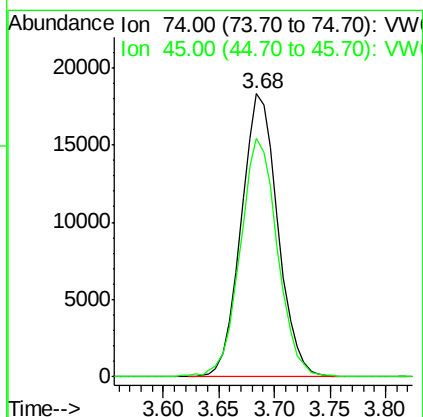
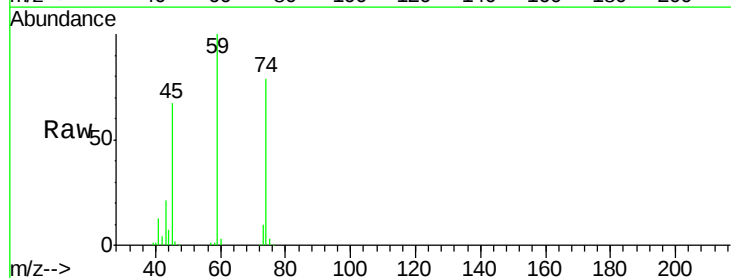
Tot Ion:101 Resp: 147449
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.0 79.4

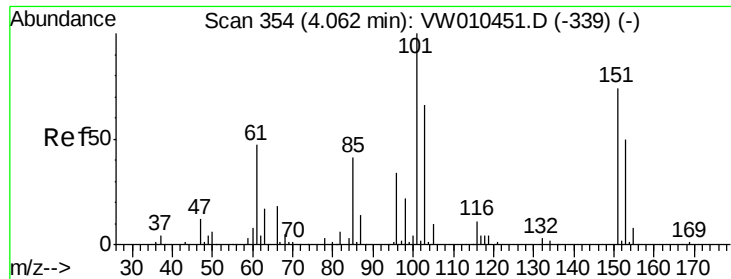


#8

Diethyl Ether
 Concen: 47.538 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion: 74 Resp: 41874
 Ion Ratio Lower Upper
 74 100
 45 86.1 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.256 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

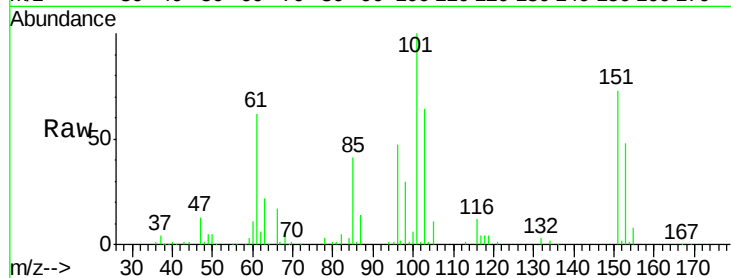
Tot Ion:101 Resp: 89424

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

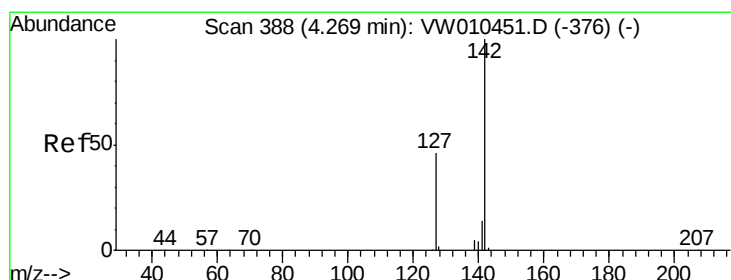
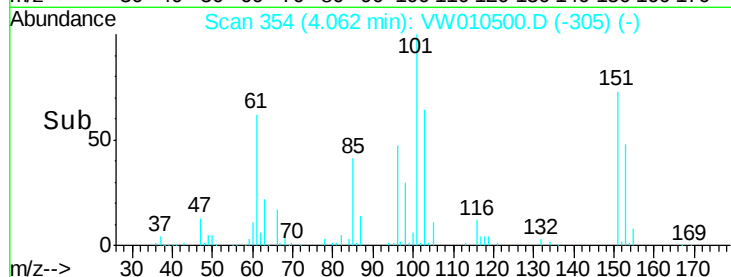
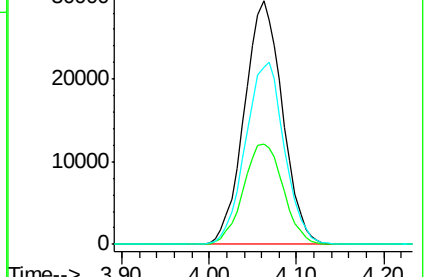
151 76.3 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.747 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

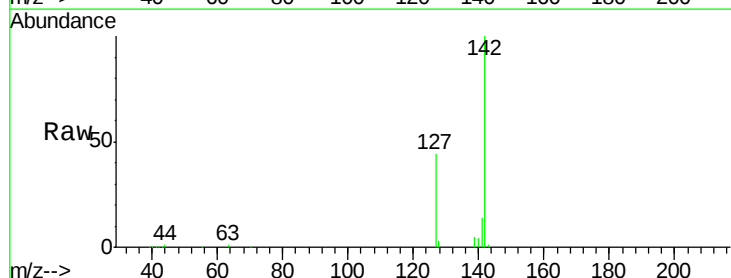
Tgt Ion:142 Resp: 95348

Ion Ratio Lower Upper

142 100

127 44.0 36.1 54.1

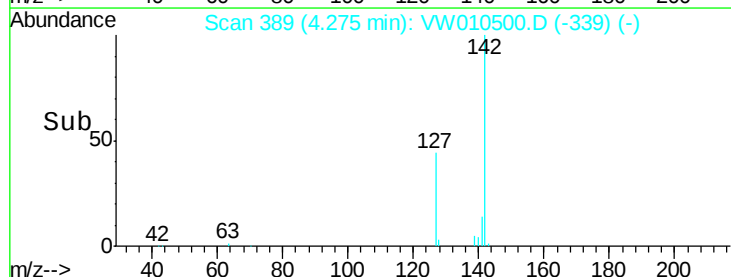
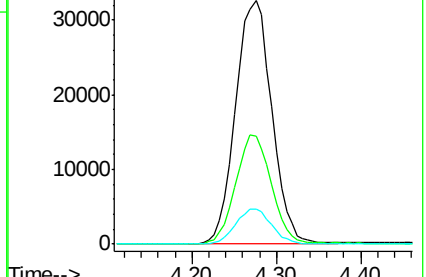
141 14.3 11.3 16.9

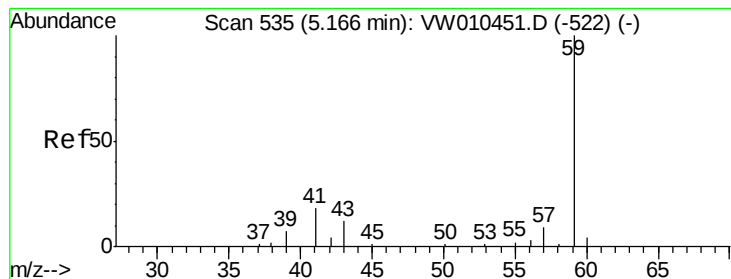


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 179.268 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

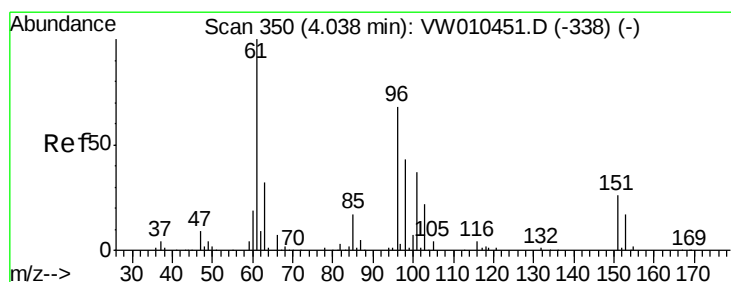
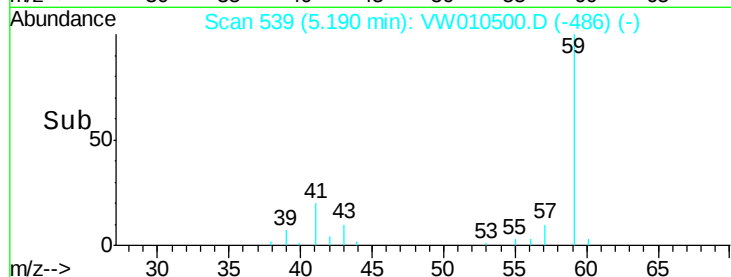
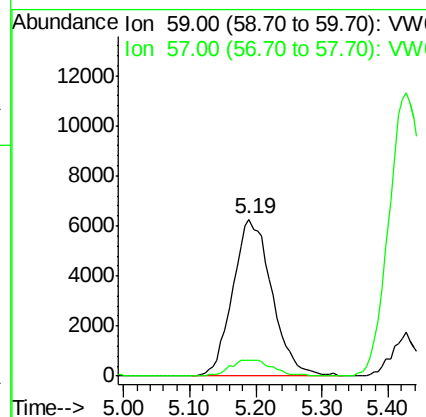
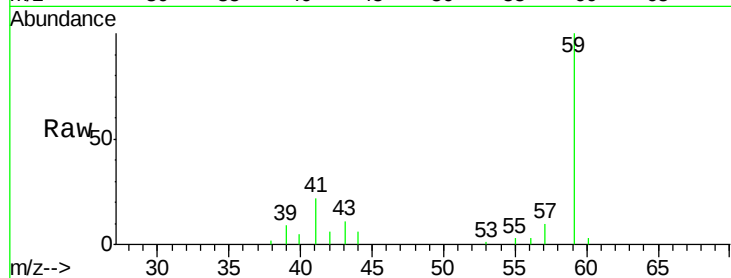
VSTDCCC050

Tot Ion: 59 Resp: 25740

Ion Ratio Lower Upper

59 100

57 11.1 8.8 13.2



#12

1,1-Dichloroethene

Concen: 52.676 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

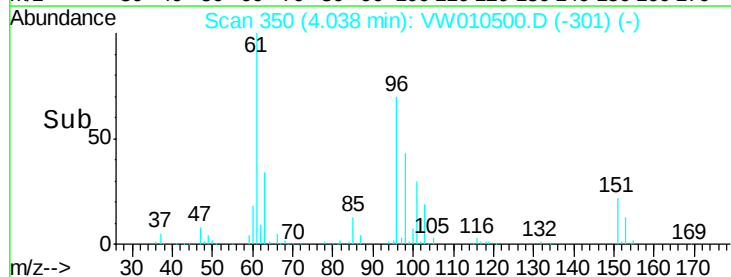
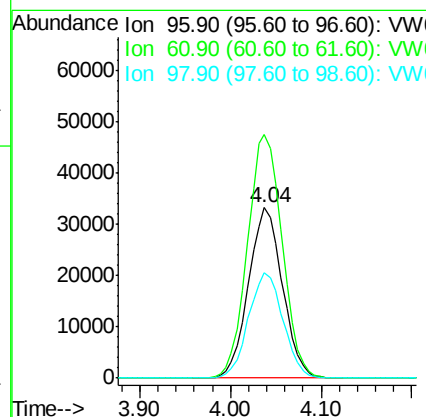
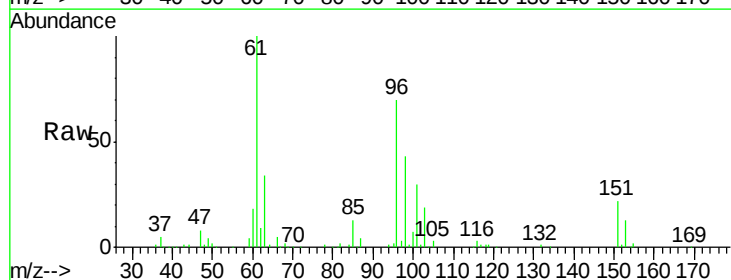
Tgt Ion: 96 Resp: 86048

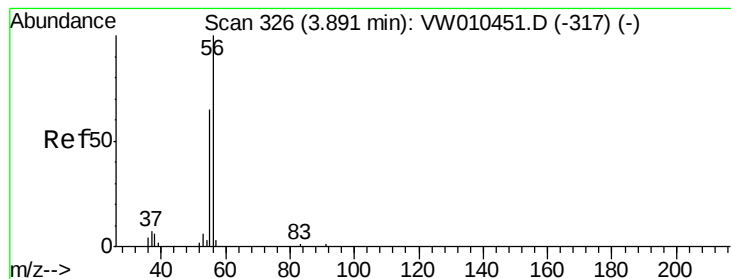
Ion Ratio Lower Upper

96 100

61 143.1 118.3 177.5

98 62.1 51.0 76.6





#13

Acrolein

Concen: 249.878 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

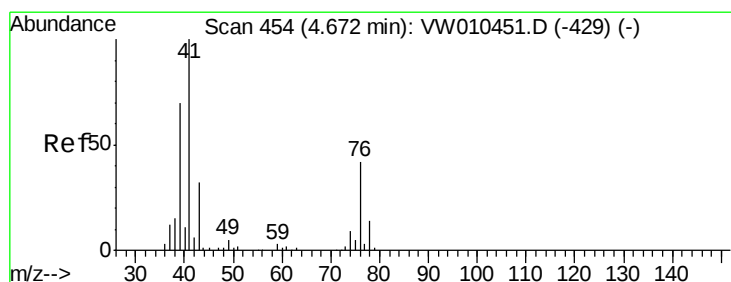
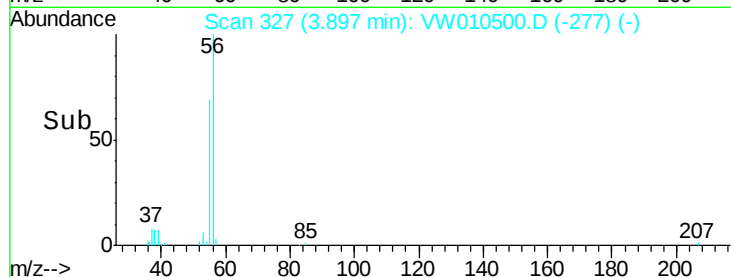
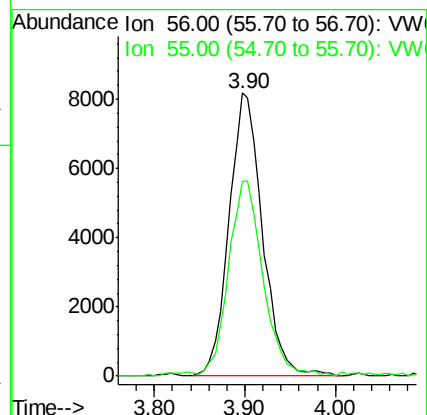
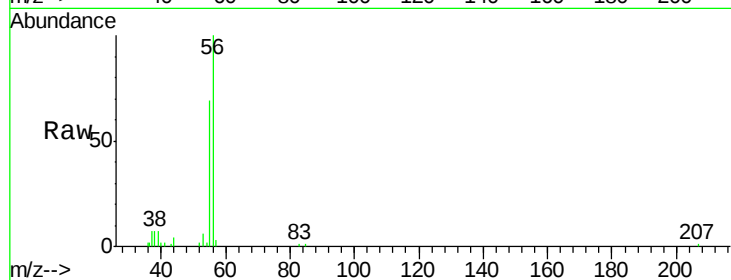
VSTDCCC050

Tot Ion: 56 Resp: 20907

Ion Ratio Lower Upper

56 100

55 71.3 57.9 86.9



#14

Allyl chloride

Concen: 51.152 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

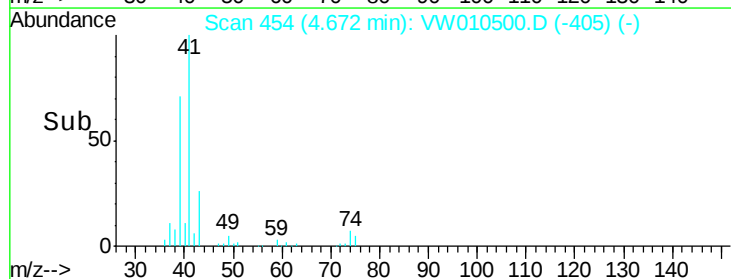
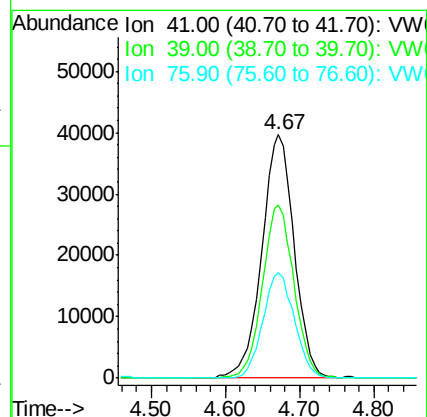
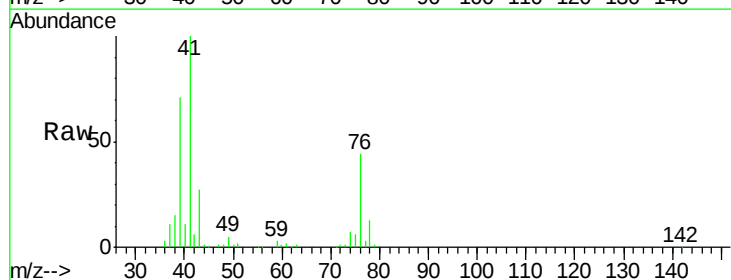
Tgt Ion: 41 Resp: 120951

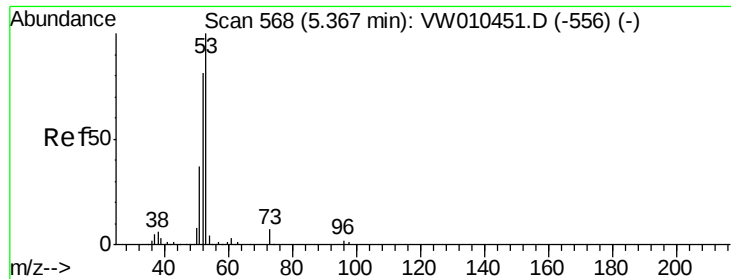
Ion Ratio Lower Upper

41 100

39 69.3 55.0 82.4

76 42.1 32.8 49.2





#15

Acrylonitrile

Concen: 218.009 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

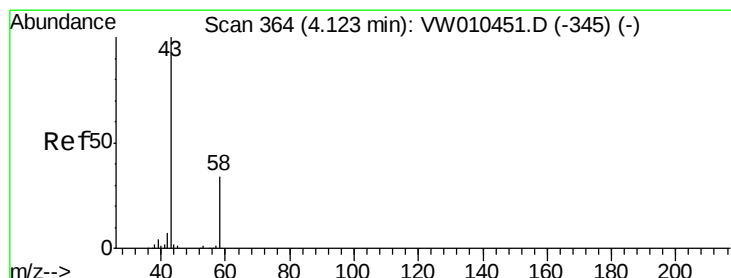
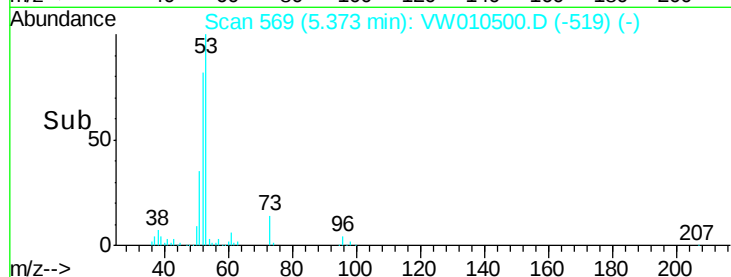
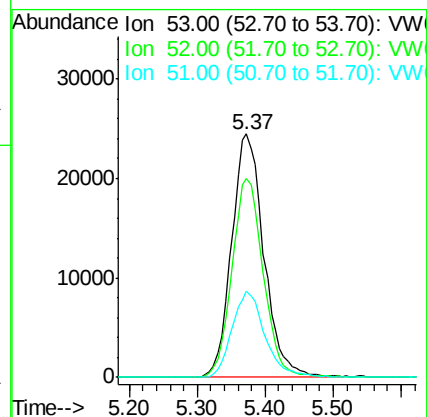
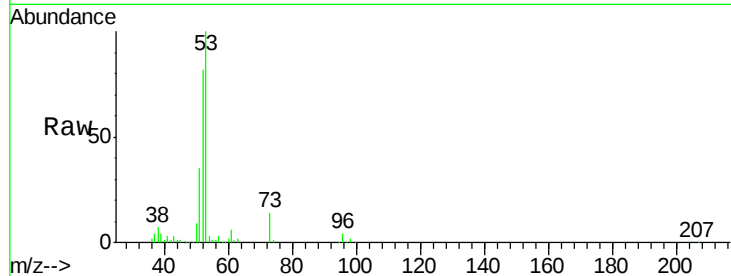
Tot Ion: 53 Resp: 80423

Ion Ratio Lower Upper

53 100

52 78.9 65.6 98.4

51 36.0 29.5 44.3



#16

Acetone

Concen: 222.701 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010500.D

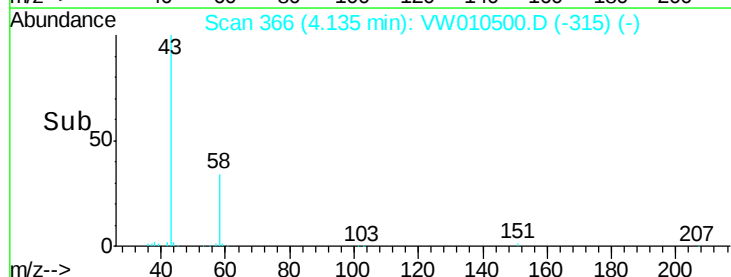
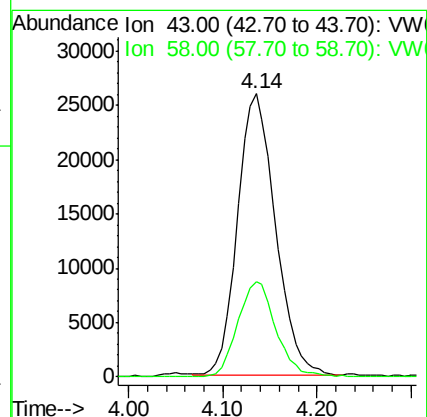
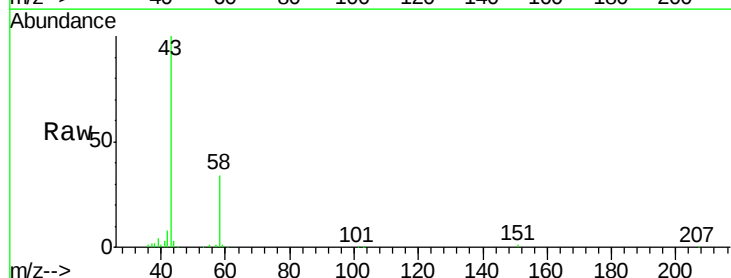
Acq: 22 May 2019 10:20

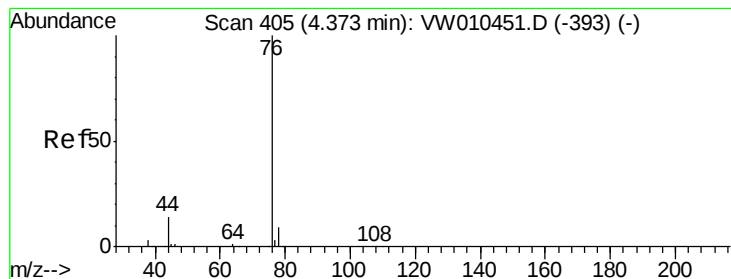
Tgt Ion: 43 Resp: 72564

Ion Ratio Lower Upper

43 100

58 33.8 27.0 40.4





#17

Carbon Disulfide

Concen: 51.885 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

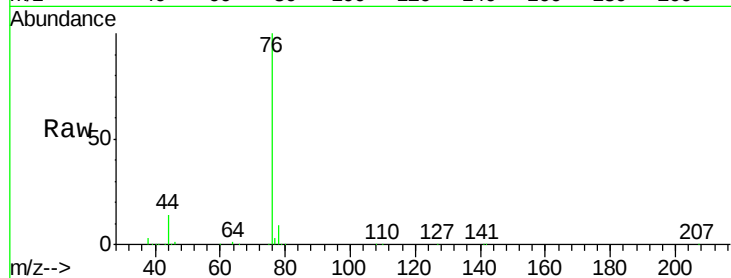
VSTDCCC050

Tot Ion: 76 Resp: 252807

Ion Ratio Lower Upper

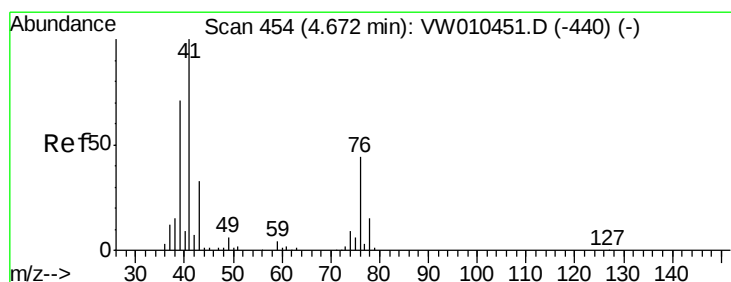
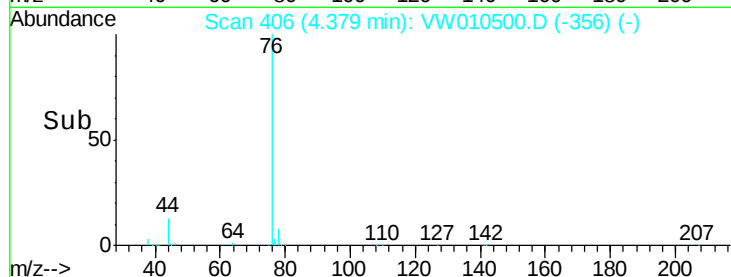
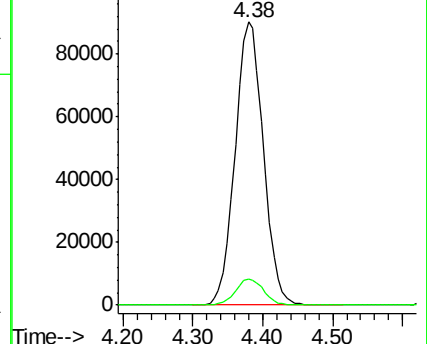
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 39.720 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010500.D

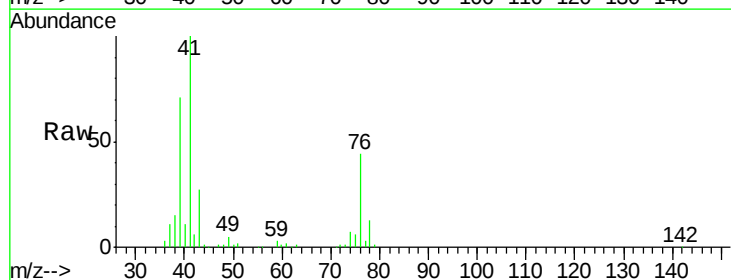
Acq: 22 May 2019 10:20

Tgt Ion: 43 Resp: 31653

Ion Ratio Lower Upper

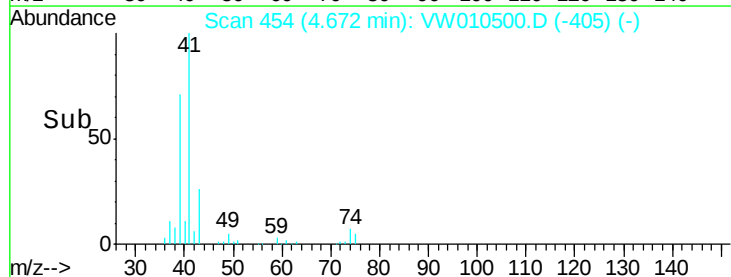
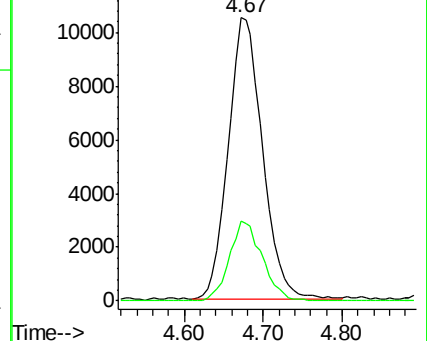
43 100

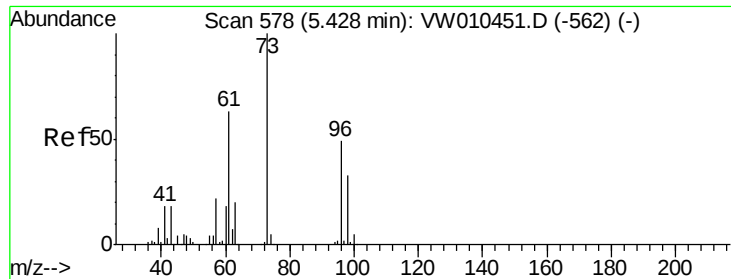
74 27.2 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

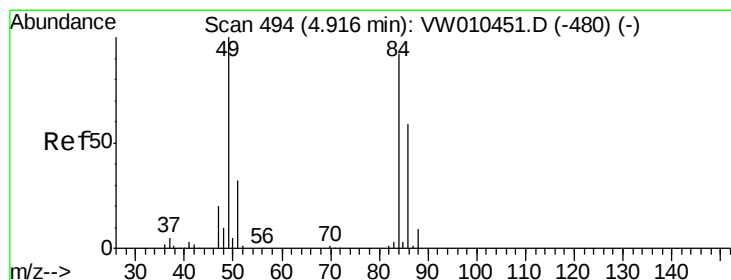
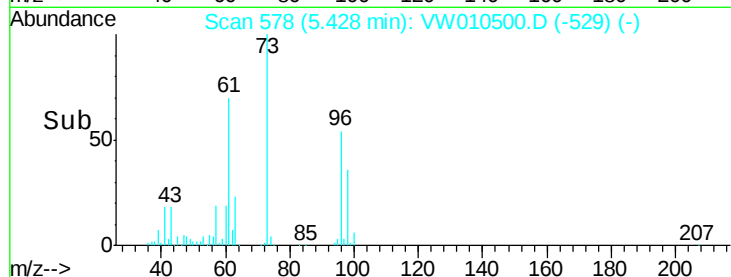
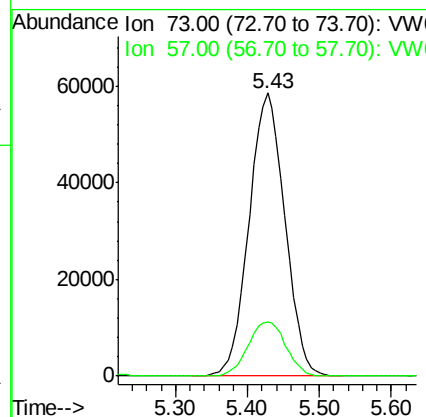
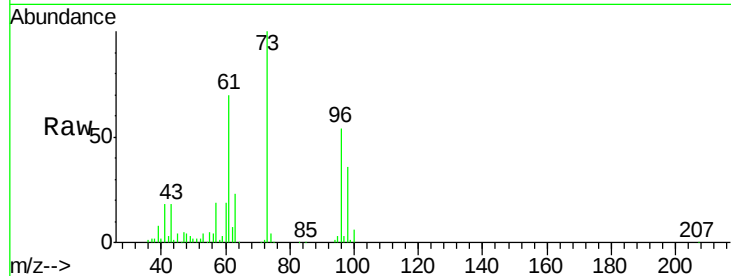




#19
Methvl tert-butvl Ether
Concen: 48.481 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

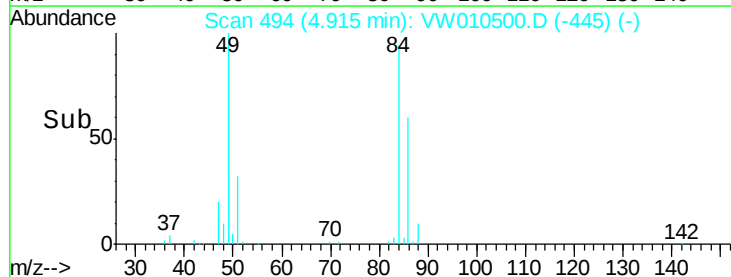
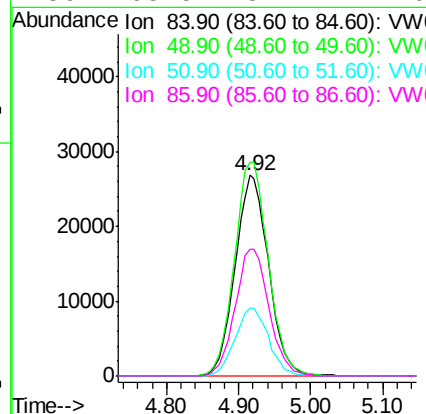
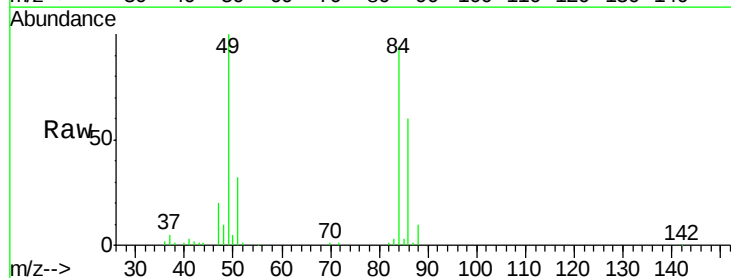
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

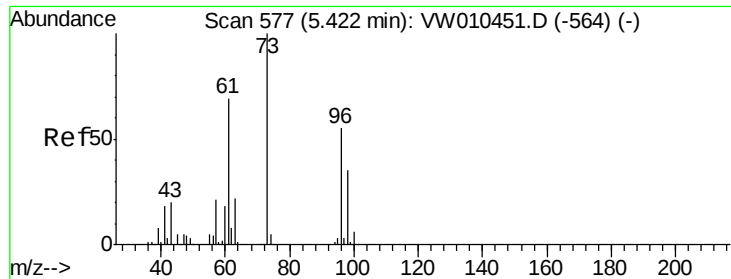
Tot Ion: 73 Resp: 201895
Ion Ratio Lower Upper
73 100
57 19.3 17.4 26.0



#20
Methylene Chloride
Concen: 44.433 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 84 Resp: 86029
Ion Ratio Lower Upper
84 100
49 106.6 87.2 130.8
51 33.7 27.7 41.5
86 63.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.060 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

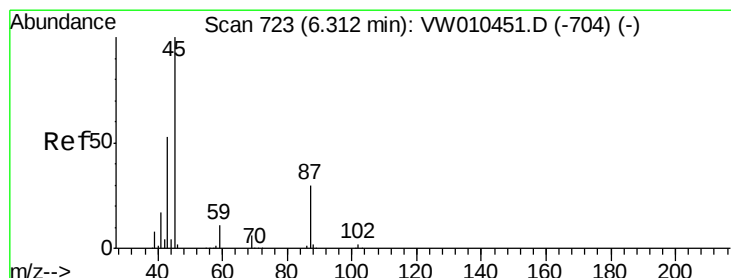
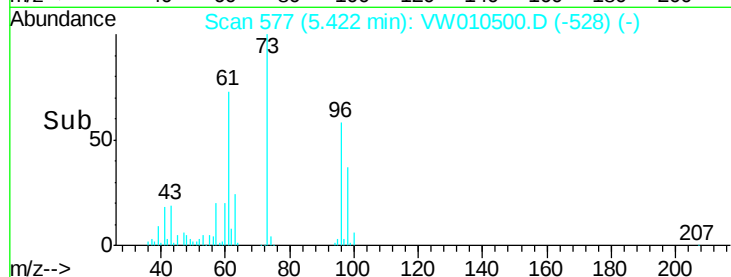
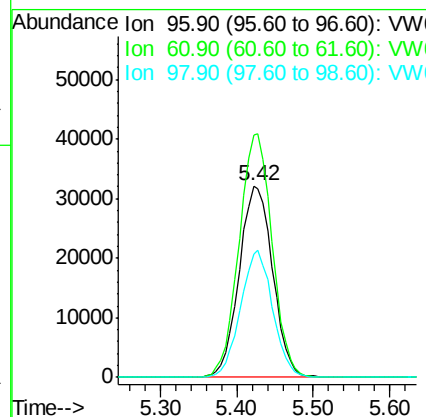
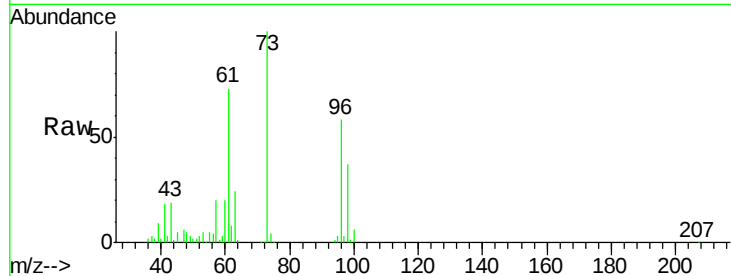
Tot Ion: 96 Resp: 97546

Ion Ratio Lower Upper

96 100

61 126.9 101.4 152.0

98 64.2 50.6 76.0



#22

Diisopropyl ether

Concen: 49.181 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion: 45 Resp: 238449

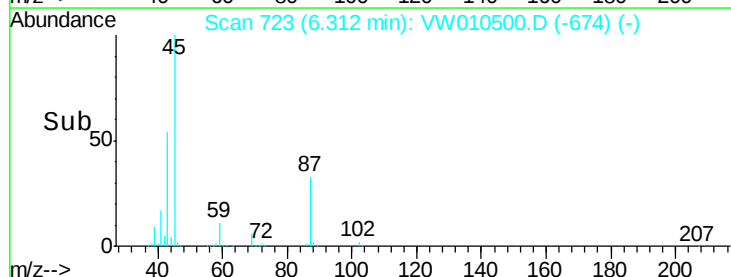
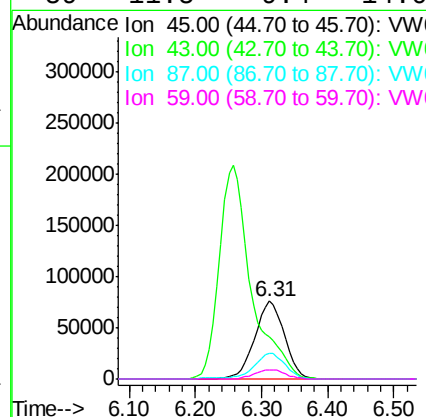
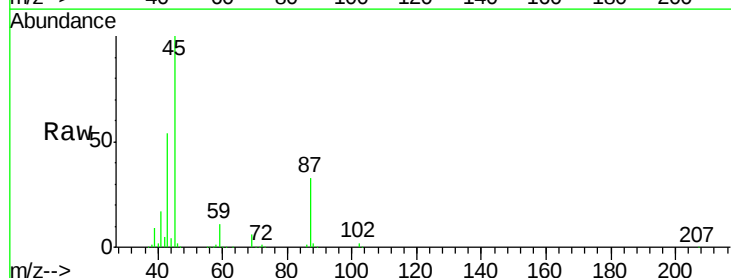
Ion Ratio Lower Upper

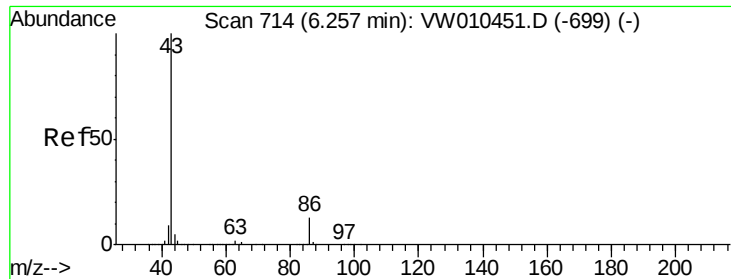
45 100

43 53.2 42.9 64.3

87 33.0 24.6 36.8

59 11.5 9.4 14.0





#23

Vinyl Acetate

Concen: 241.789 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

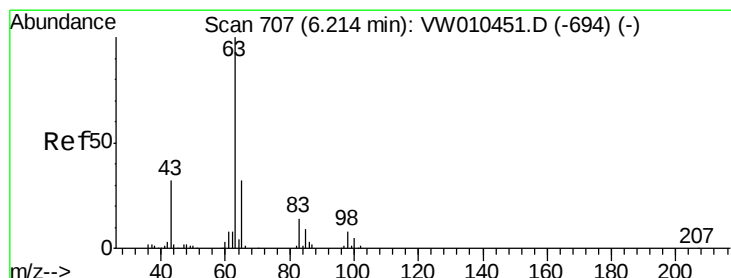
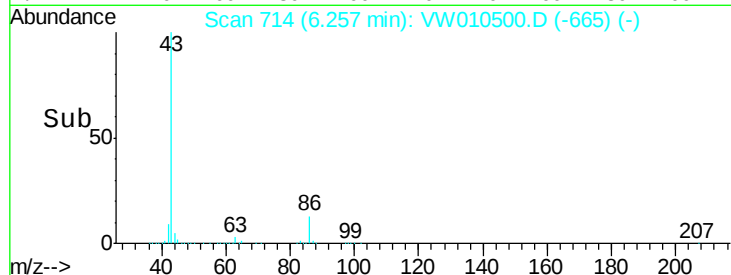
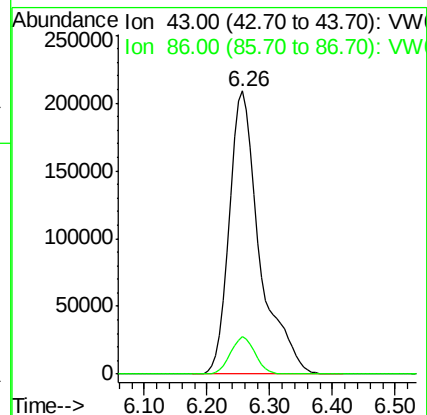
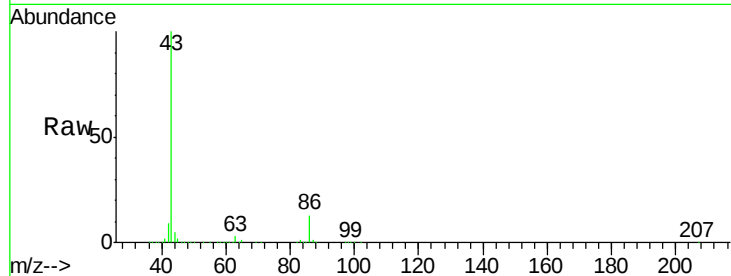
VSTDCCC050

Tot Ion: 43 Resp: 700262

Ion Ratio Lower Upper

43 100

86 13.1 10.3 15.5



#24

1,1-Dichloroethane

Concen: 51.721 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

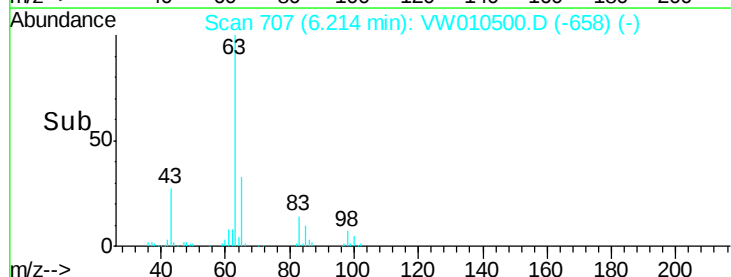
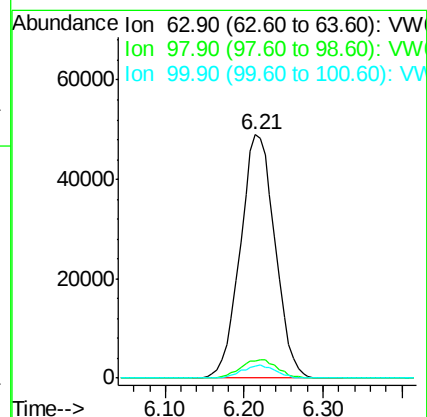
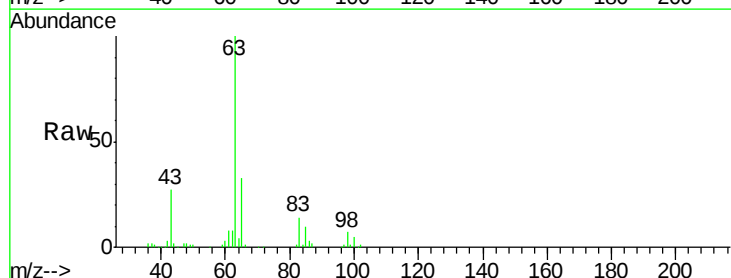
Tgt Ion: 63 Resp: 149645

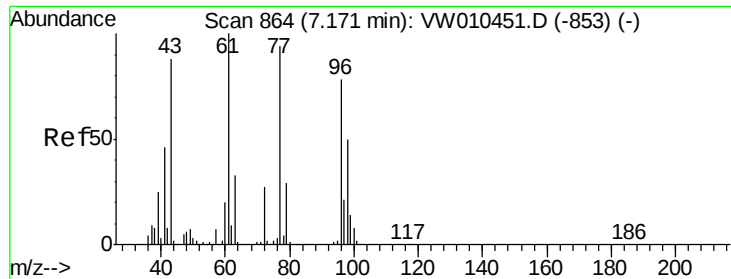
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 224.936 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

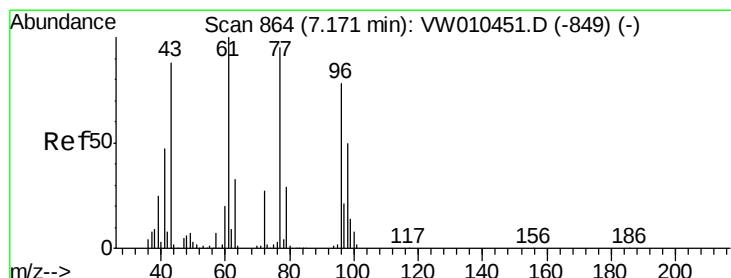
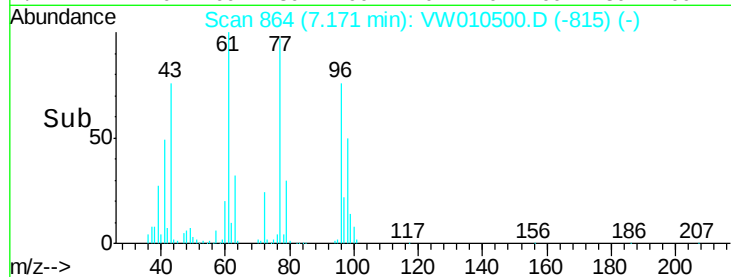
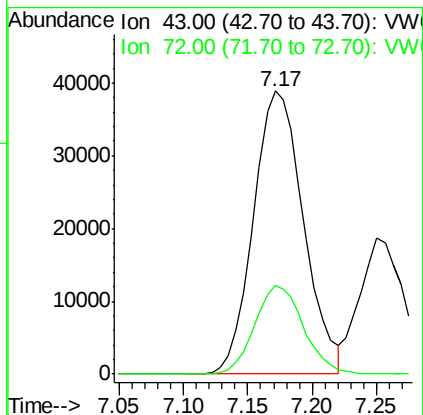
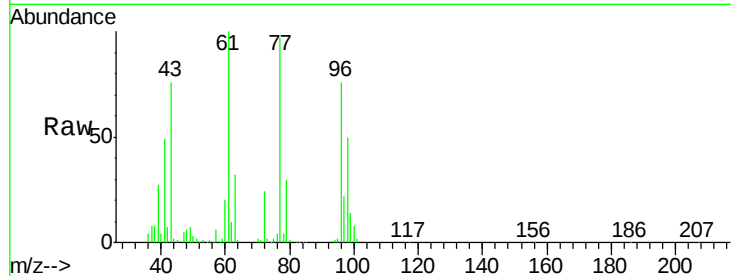
VSTDCCC050

Tot Ion: 43 Resp: 104888

Ion Ratio Lower Upper

43 100

72 31.2 24.1 36.1



#26

2,2-Dichloropropane

Concen: 53.456 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010500.D

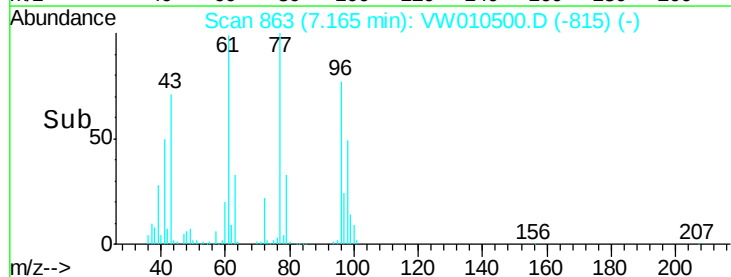
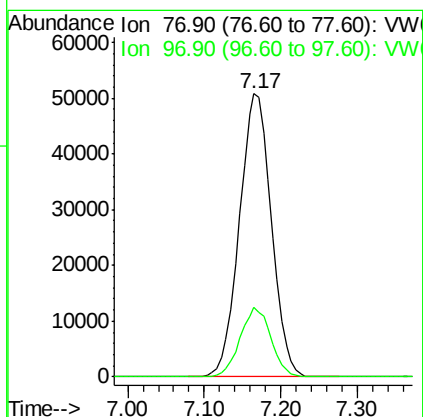
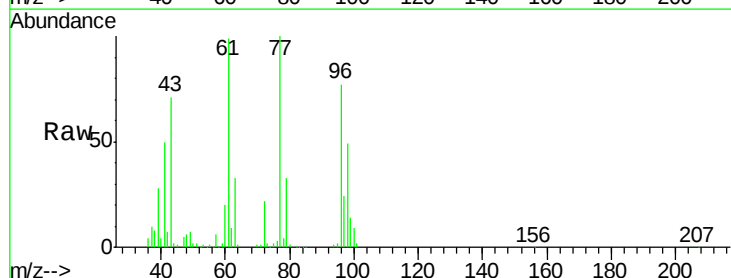
Acq: 22 May 2019 10:20

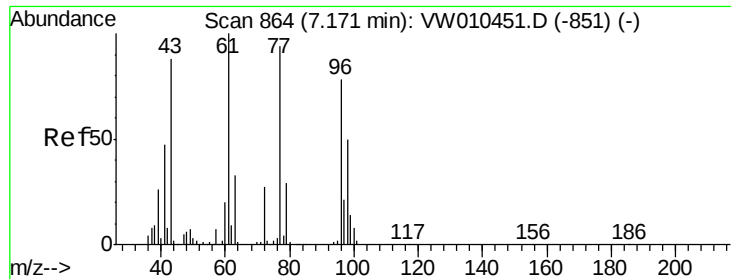
Tgt Ion: 77 Resp: 147326

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



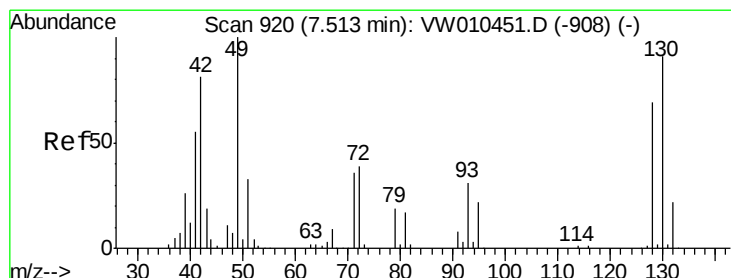
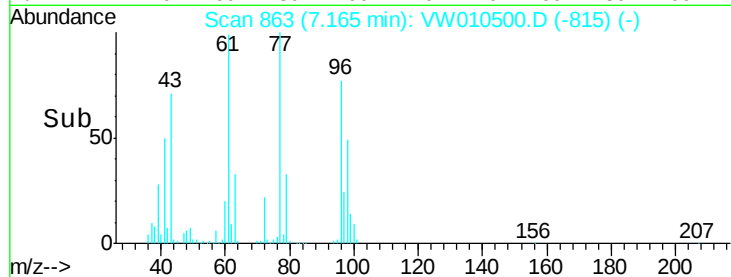
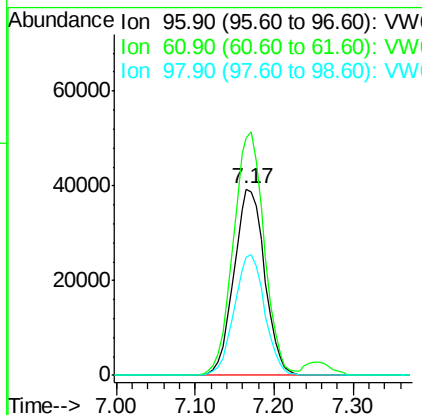
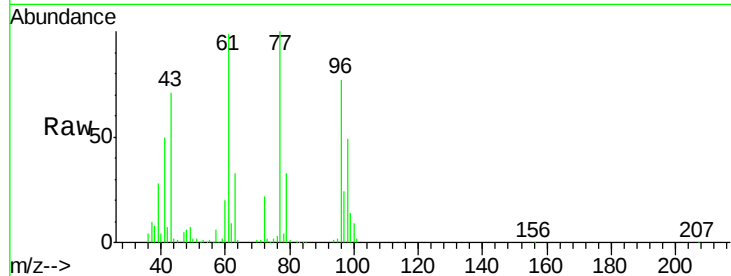


#27

cis-1,2-Dichloroethene
Concen: 52.363 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

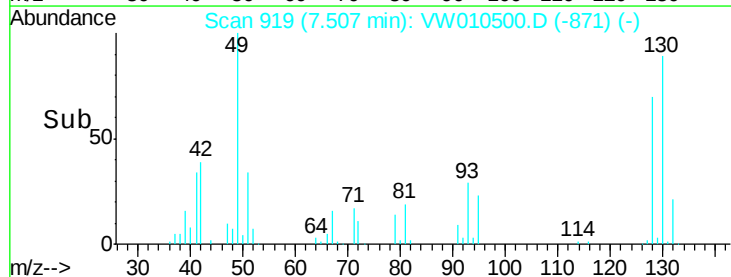
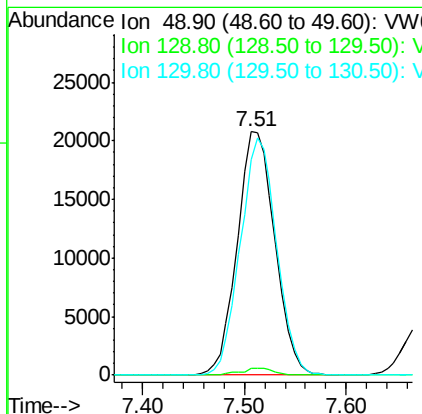
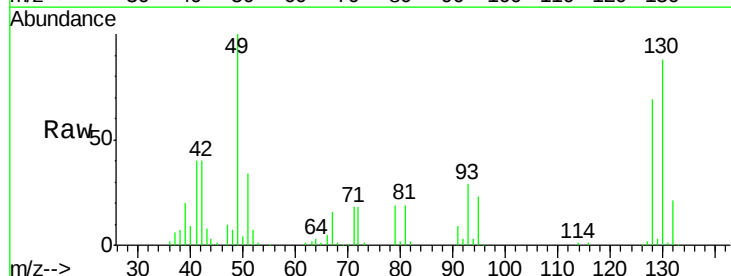
Tot Ion	96	Resp	106667
Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	265.4
98	64.0	0.0	129.4

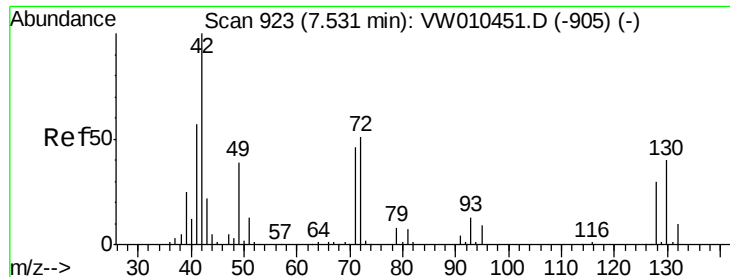


#28

Bromochloromethane
Concen: 51.363 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	49	Resp	53207
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	94.3	71.2	106.8

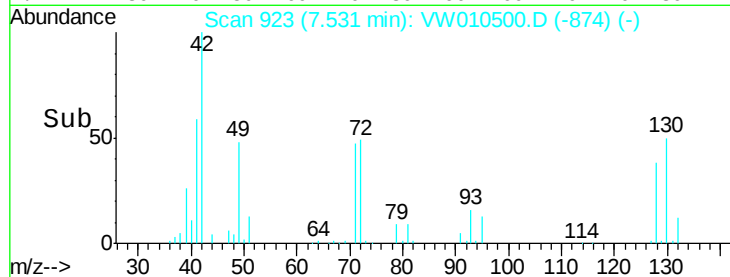
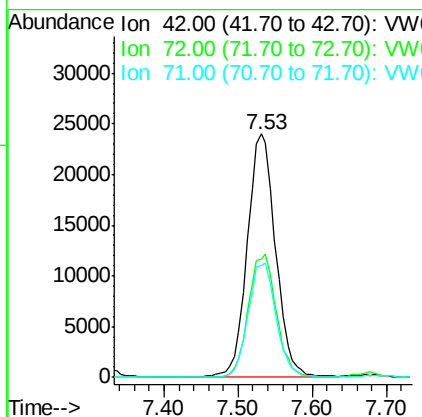
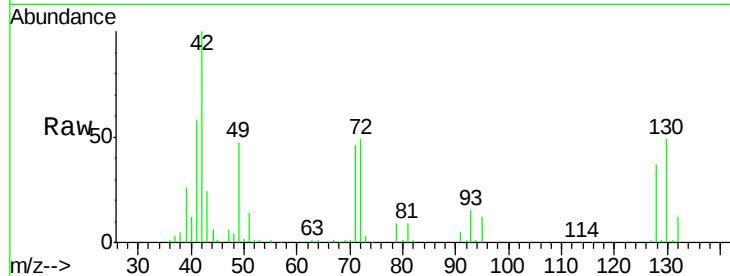




#29
Tetrahydrofuran
Concen: 203.825 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

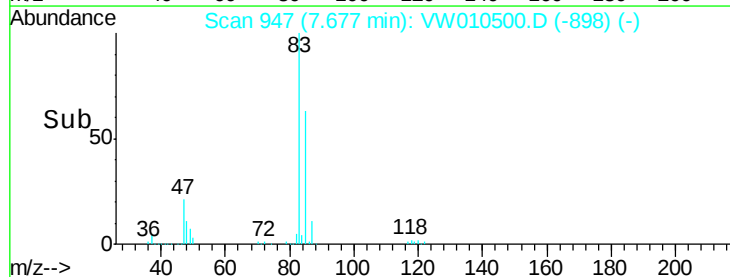
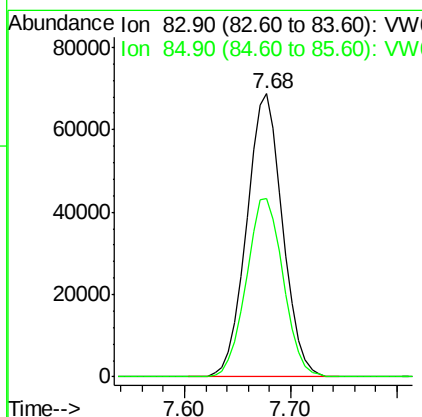
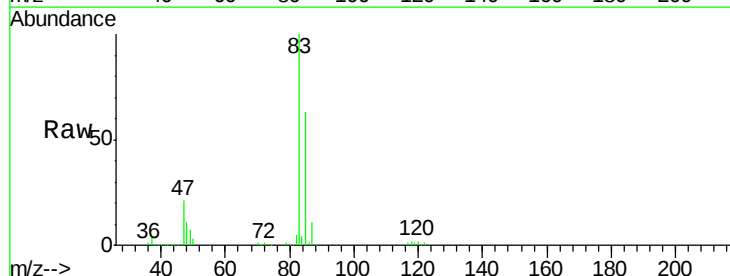
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

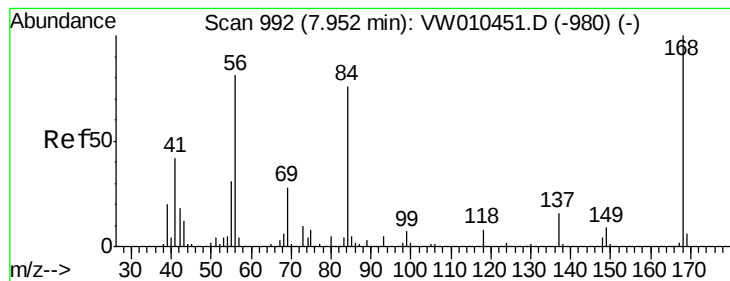
Tot Ion: 42 Resp: 64314
Ion Ratio Lower Upper
42 100
72 49.9 38.5 57.7
71 46.2 36.5 54.7



#30
Chloroform
Concen: 52.143 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 83 Resp: 162730
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.4





#31

Cyclohexane

Concen: 49.650 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

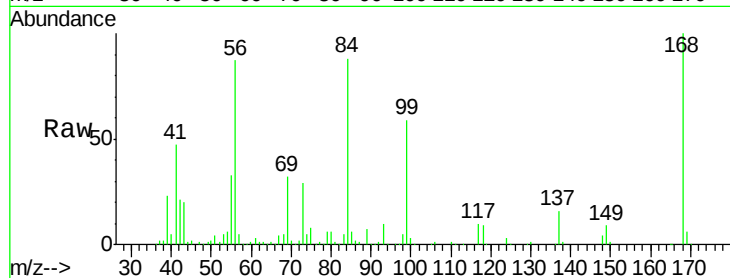
Tot Ion: 56 Resp: 150477

Ion Ratio Lower Upper

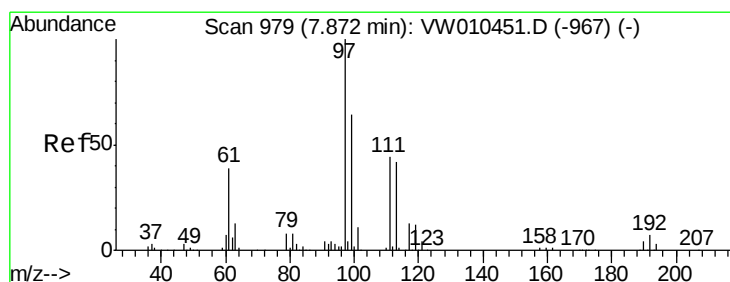
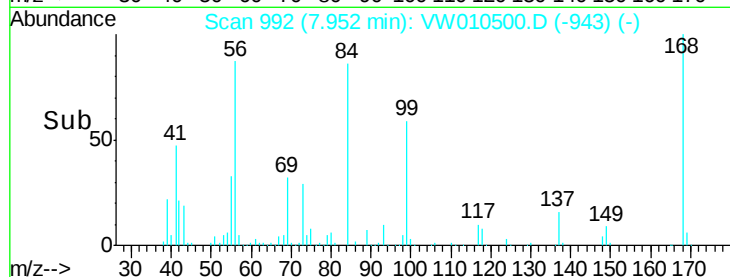
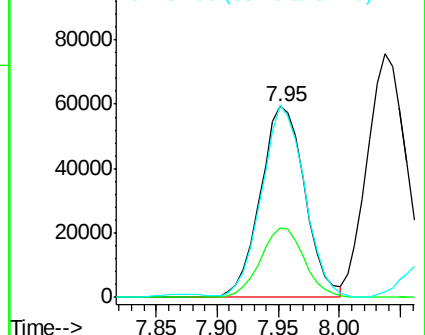
56 100

69 36.2 28.2 42.2

84 99.0 75.8 113.8



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



#32

1,1,1-Trichloroethane

Concen: 52.516 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

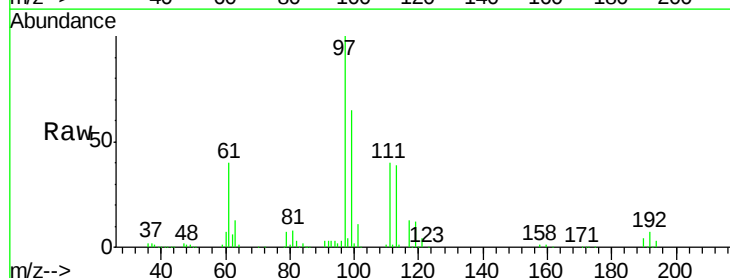
Tgt Ion: 97 Resp: 156648

Ion Ratio Lower Upper

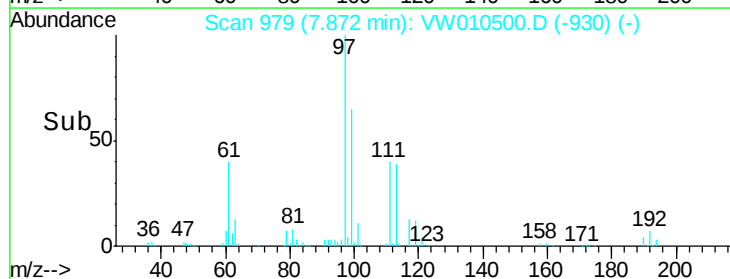
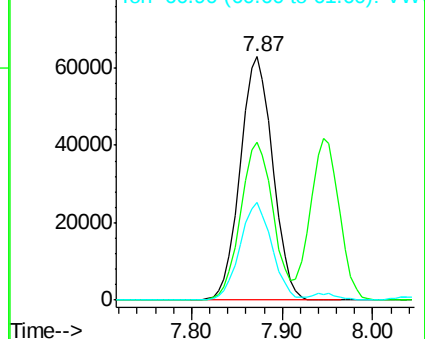
97 100

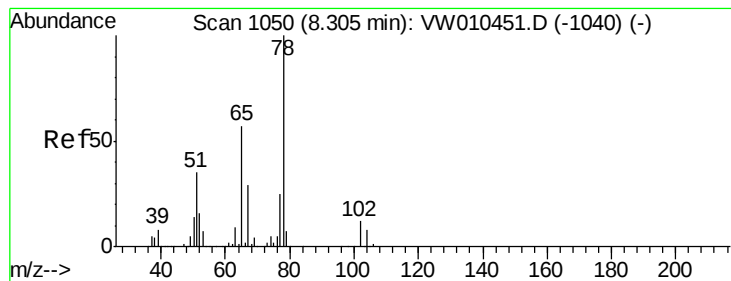
99 64.5 50.8 76.2

61 39.4 32.1 48.1



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





#33

1,2-Dichloroethane-d4

Concen: 45.940 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

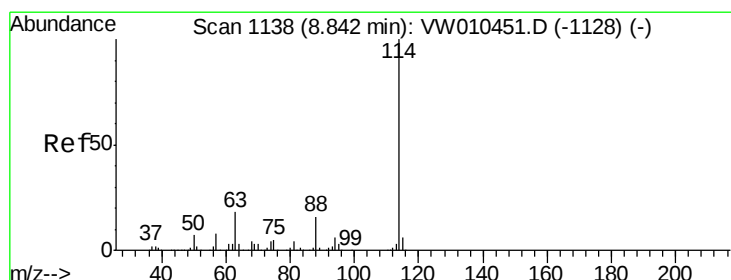
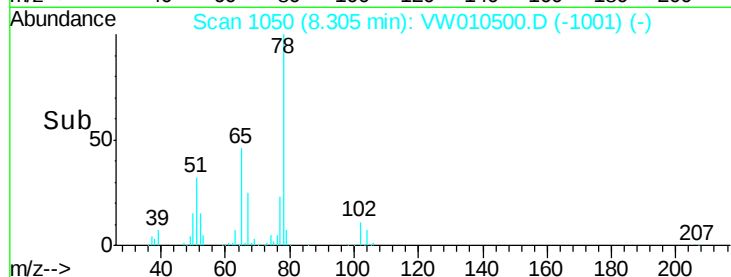
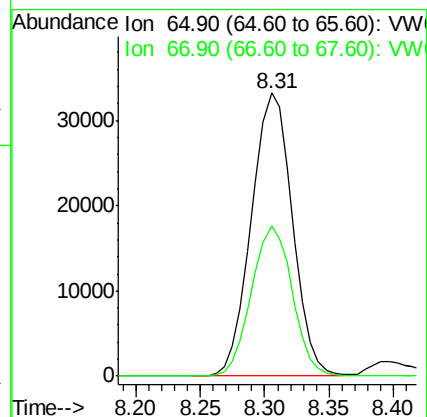
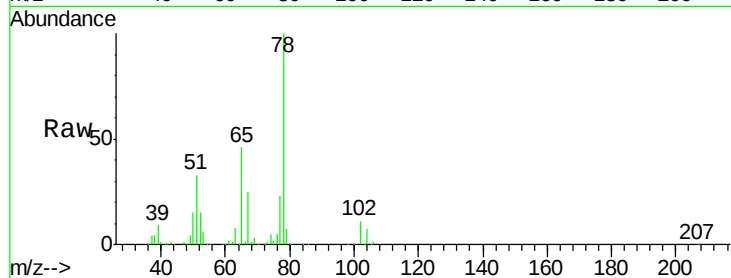
VSTDCCC050

Tot Ion: 65 Resp: 73334

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

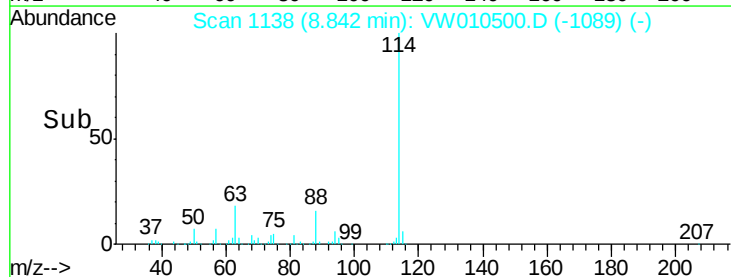
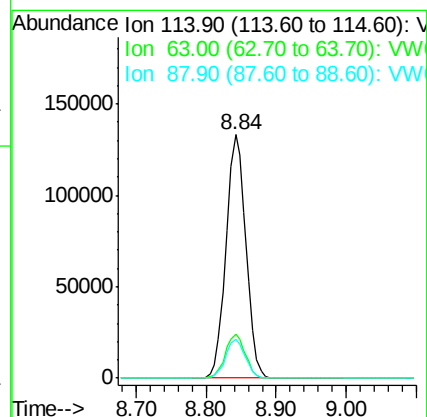
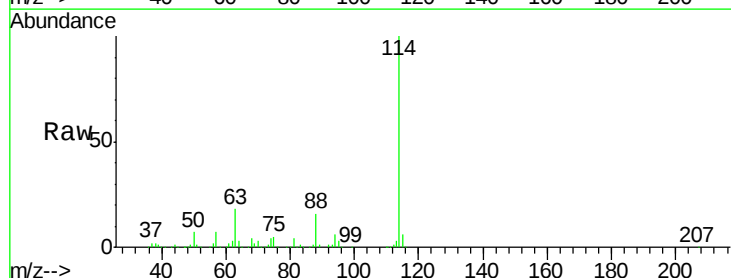
Tgt Ion: 114 Resp: 262333

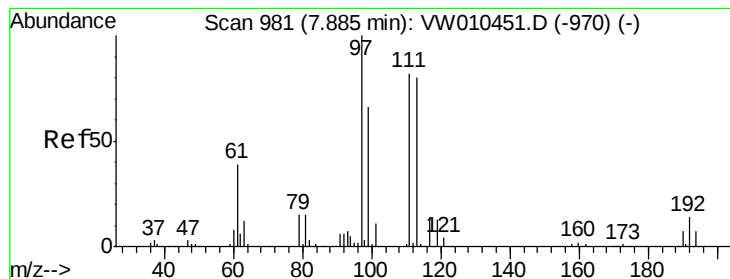
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.585 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

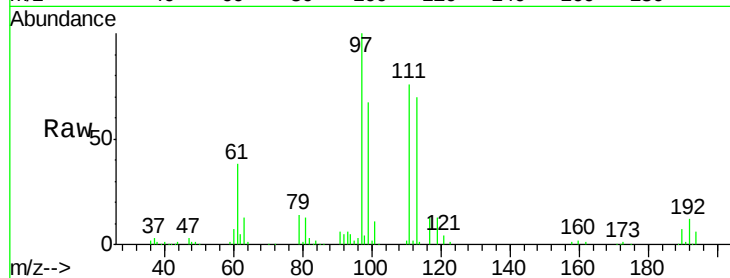
Tot Ion:113 Resp: 78929

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

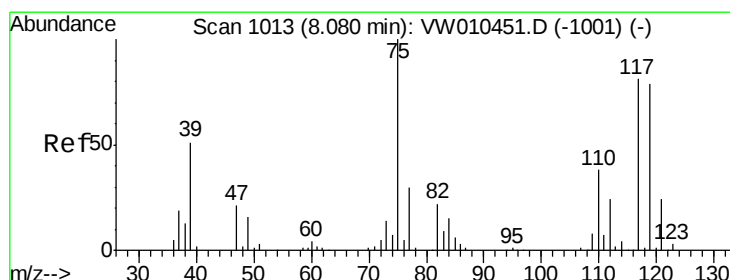
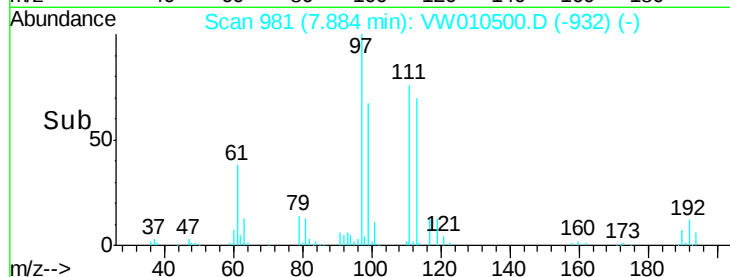
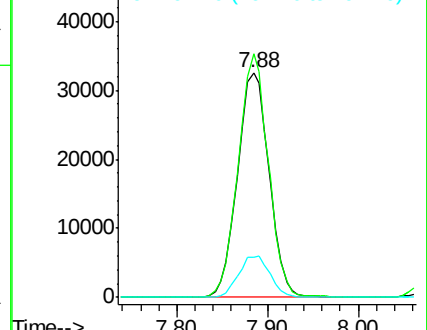
192 18.4 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.393 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

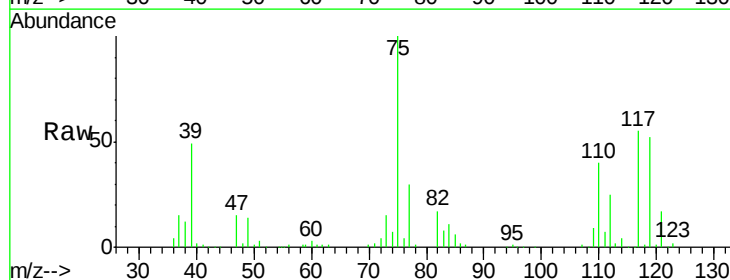
Tgt Ion: 75 Resp: 130480

Ion Ratio Lower Upper

75 100

110 39.1 19.2 57.6

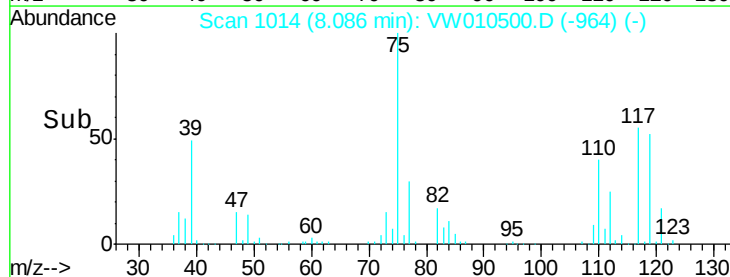
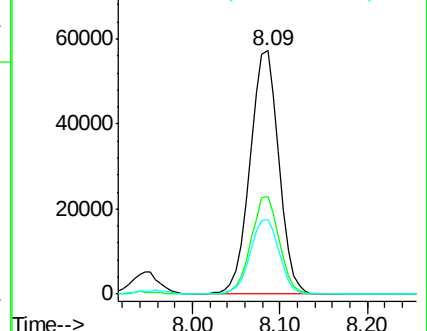
77 31.0 25.2 37.8

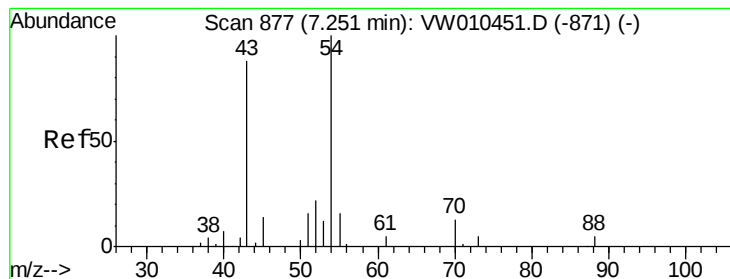


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 44.376 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

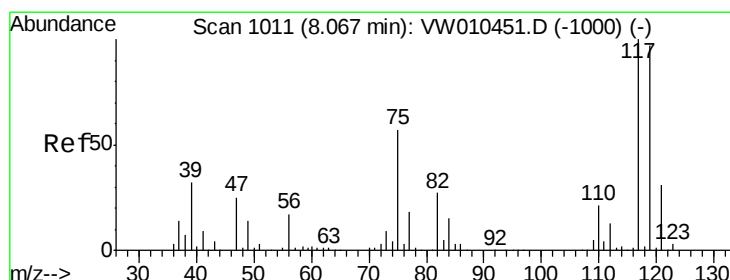
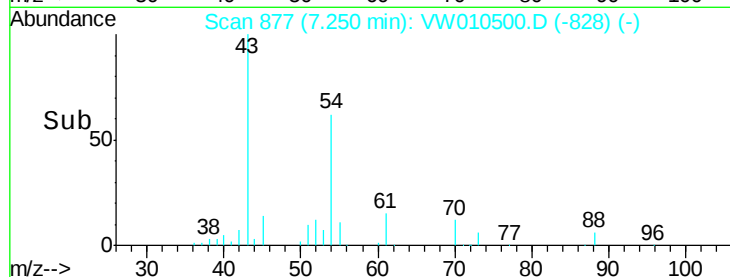
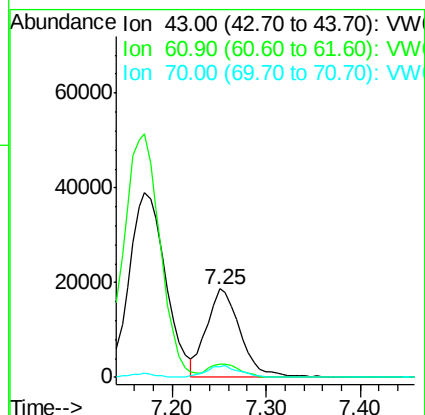
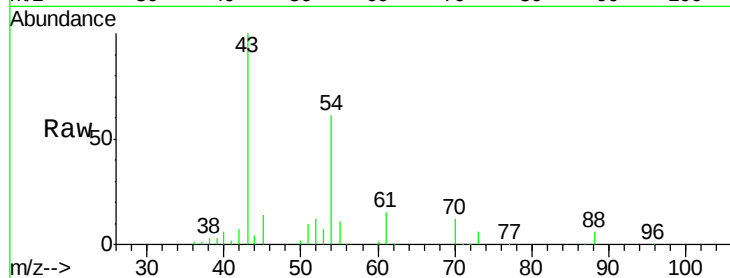
Tot Ion: 43 Resp: 46116

Ion Ratio Lower Upper

43 100

61 15.1 11.2 16.8

70 12.9 9.9 14.9



#38

Carbon Tetrachloride

Concen: 54.382 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

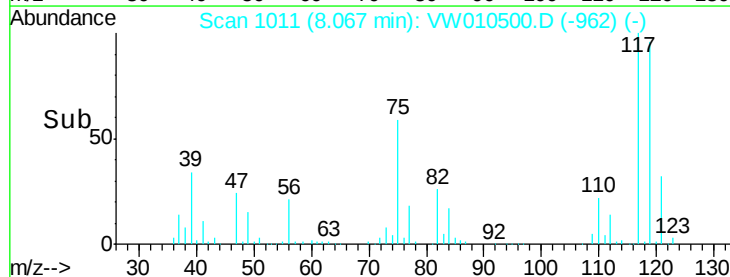
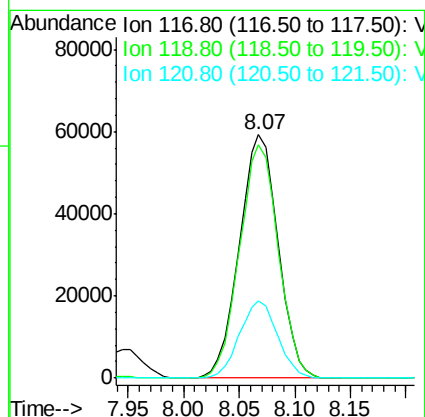
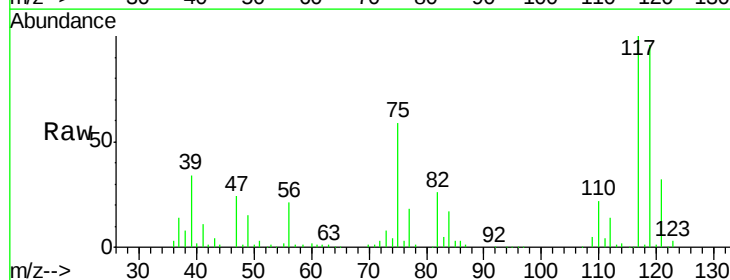
Tgt Ion: 117 Resp: 143361

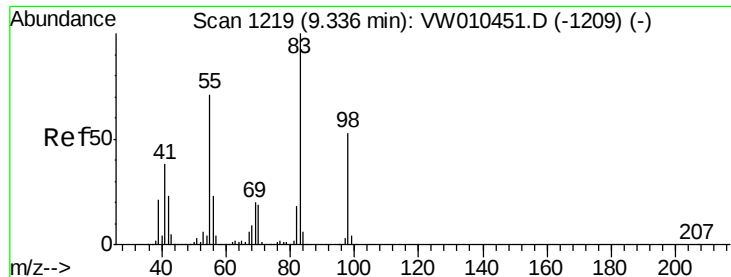
Ion Ratio Lower Upper

117 100

119 96.0 77.4 116.0

121 31.7 25.0 37.6

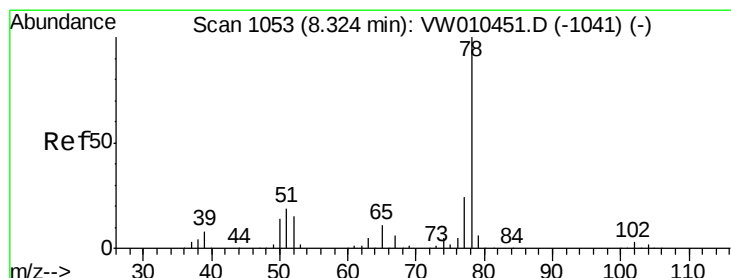
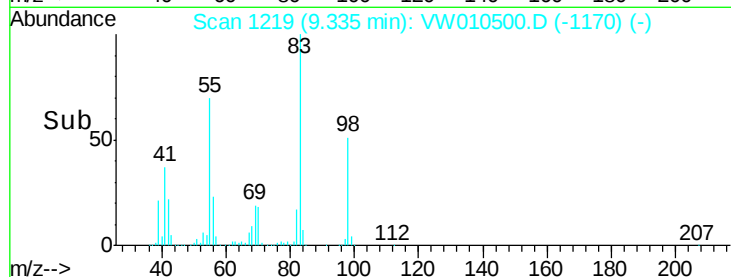
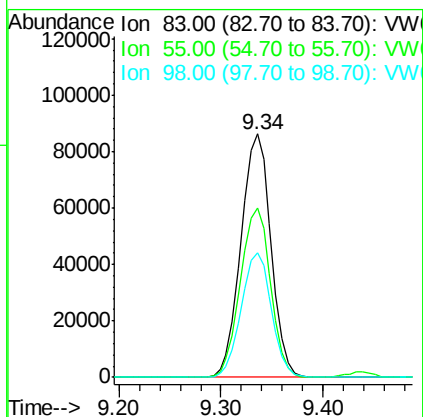
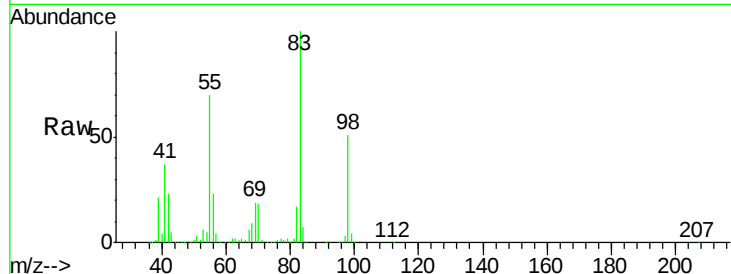




#39
Methvlcvclohexane
Concen: 53.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

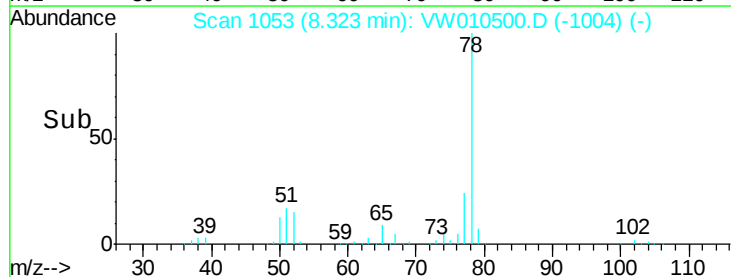
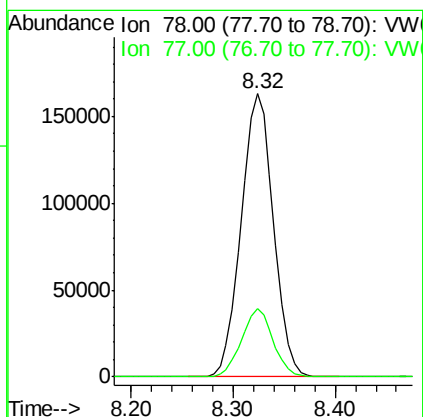
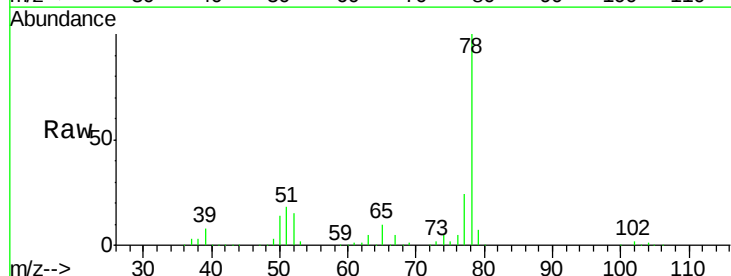
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

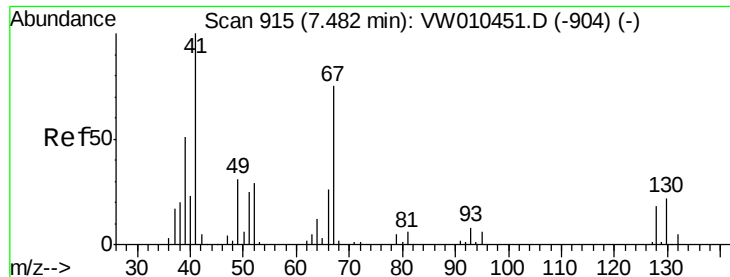
Tot Ion: 83 Resp: 176306
Ion Ratio Lower Upper
83 100
55 69.5 57.0 85.6
98 51.3 42.0 63.0



#40
Benzene
Concen: 52.758 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 78 Resp: 358351
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3

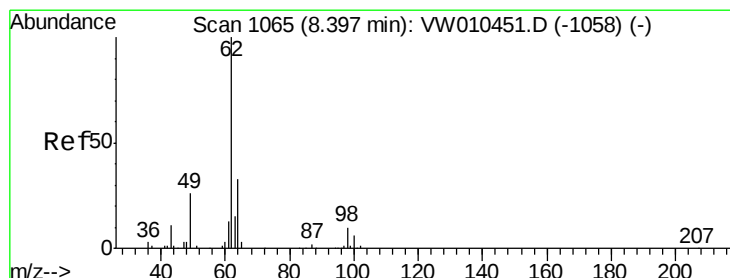
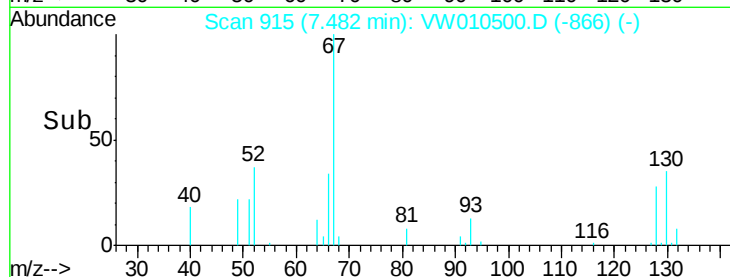
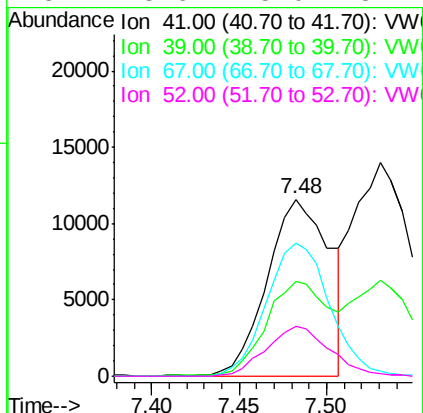
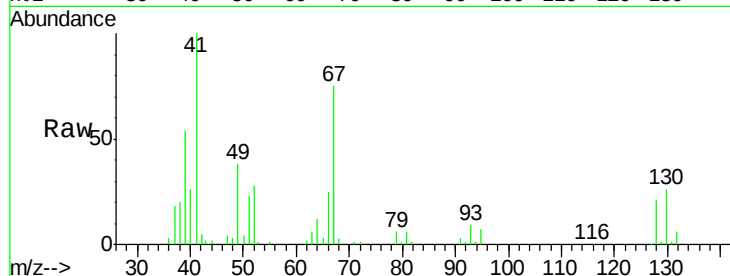




#41
Methacrylonitrile
Concen: 46.956 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

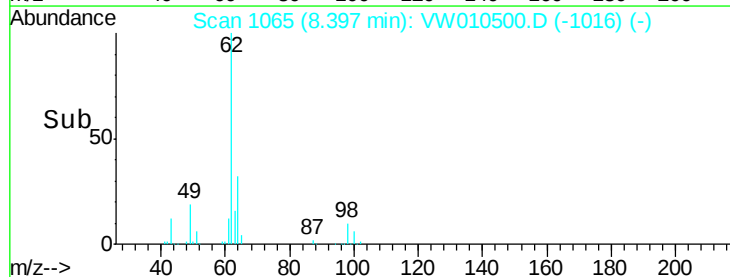
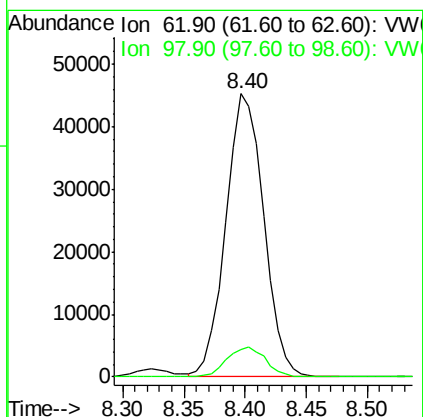
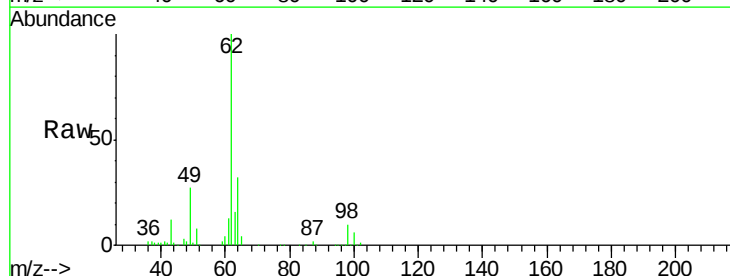
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

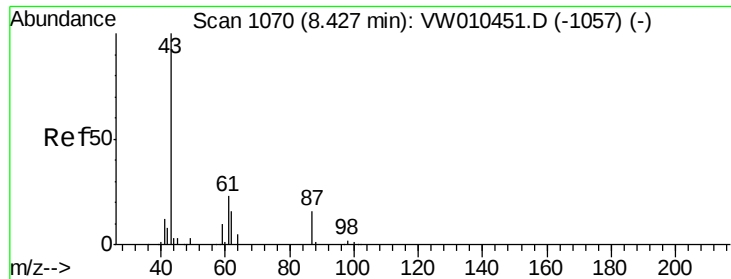
Tot Ion:	41	Resp:	28994
Ion	Ratio	Lower	Upper
41	100		
39	54.4	47.4	71.2
67	76.0	65.5	98.3
52	28.6	25.0	37.4



#42
1,2-Dichloroethane
Concen: 49.987 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:	62	Resp:	97040
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0



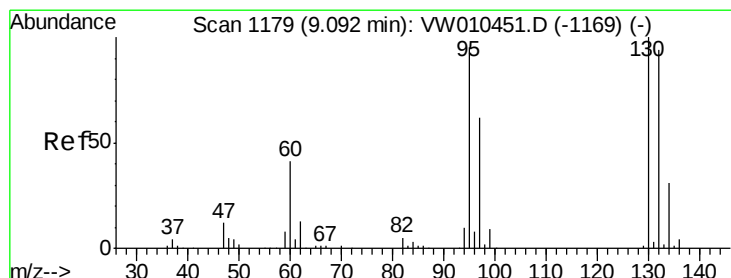
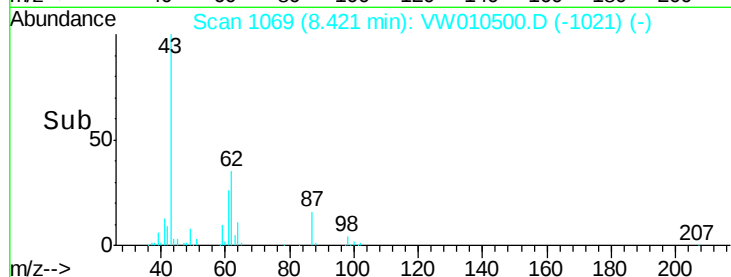
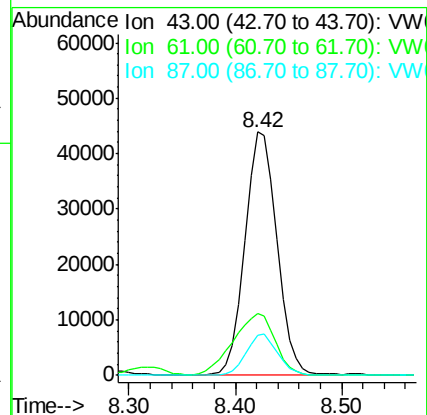
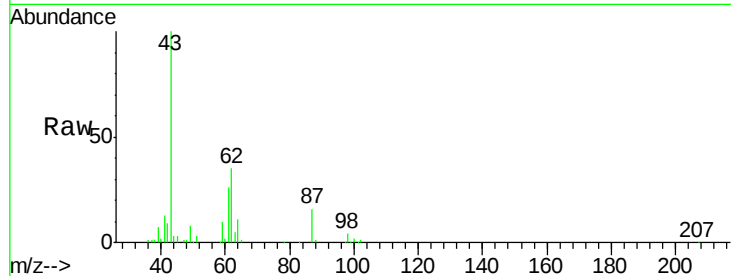


#43

Isopropyl Acetate
 Concen: 44.596 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

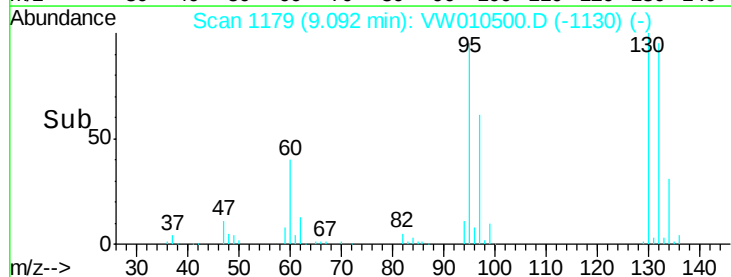
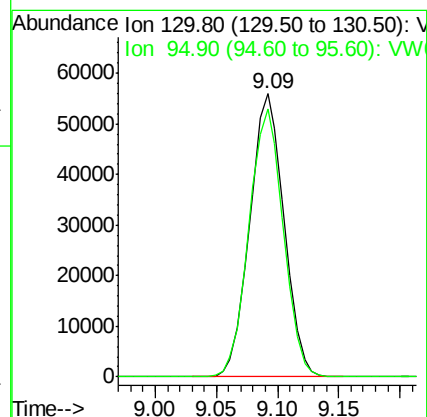
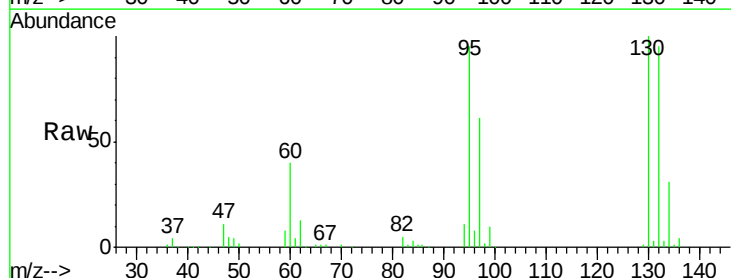
Tot Ion: 43 Resp: 92585
 Ion Ratio Lower Upper
 43 100
 61 33.3 25.4 38.2
 87 16.5 12.7 19.1

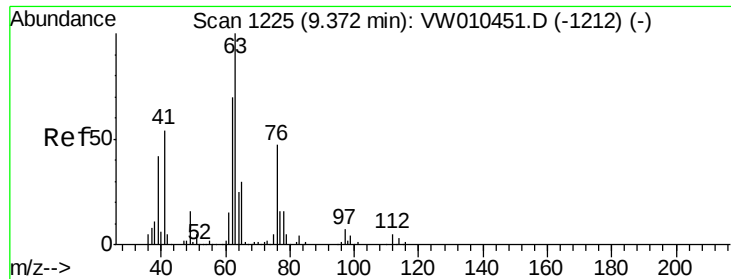


#44

Trichloroethene
 Concen: 54.008 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion: 130 Resp: 108907
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 189.6





#45

1,2-Dichloropropane

Concen: 51.378 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

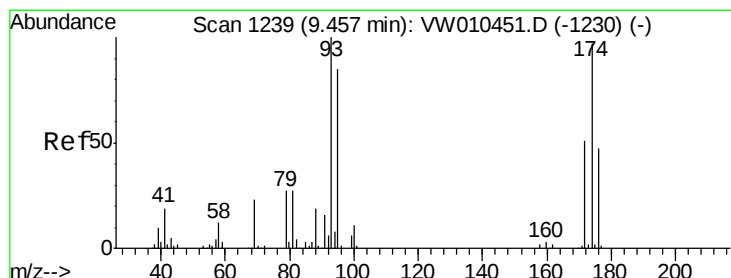
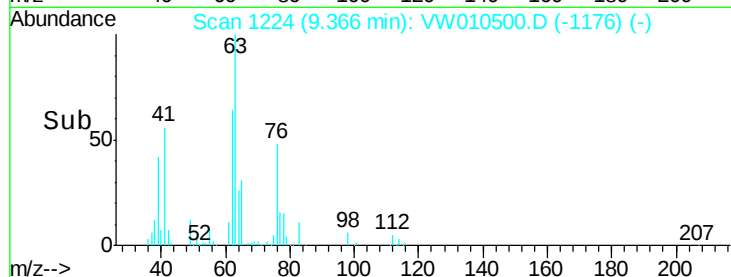
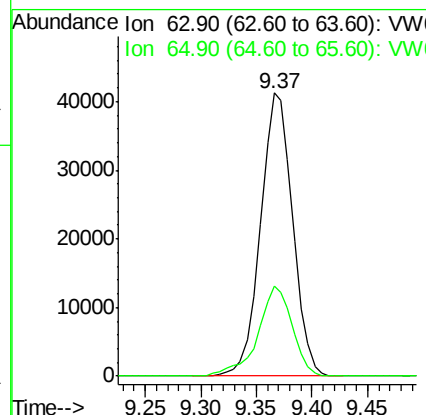
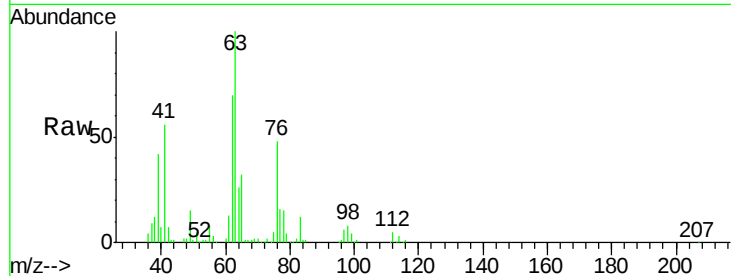
VSTDCCC050

Tot Ion: 63 Resp: 82881

Ion Ratio Lower Upper

63 100

65 31.8 24.3 36.5



#46

Dibromomethane

Concen: 50.216 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

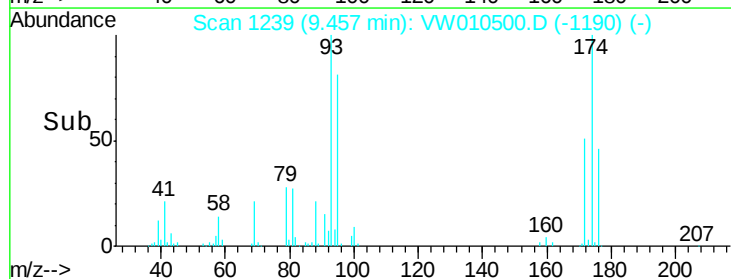
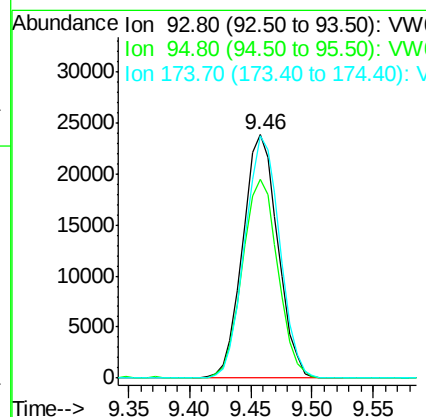
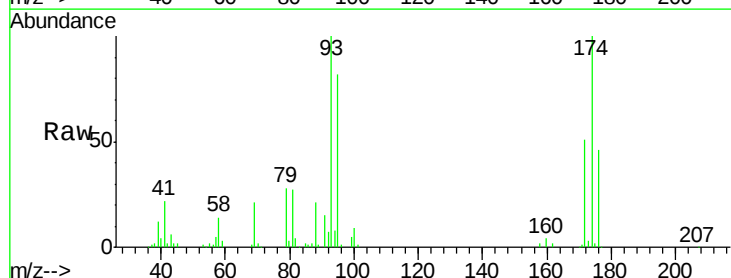
Tgt Ion: 93 Resp: 47374

Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

174 99.4 77.1 115.7





#47

Bromodichloromethane

Concen: 52.160 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

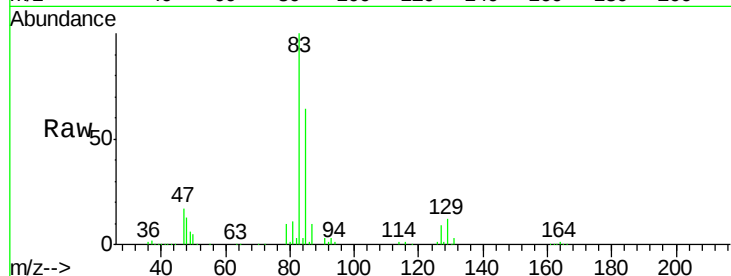
Tot Ion: 83 Resp: 123658

Ion Ratio Lower Upper

83 100

85 64.0 50.4 75.6

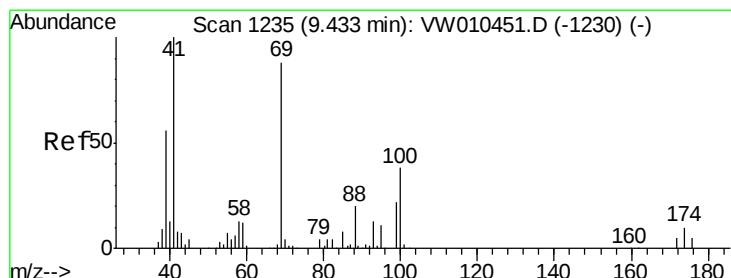
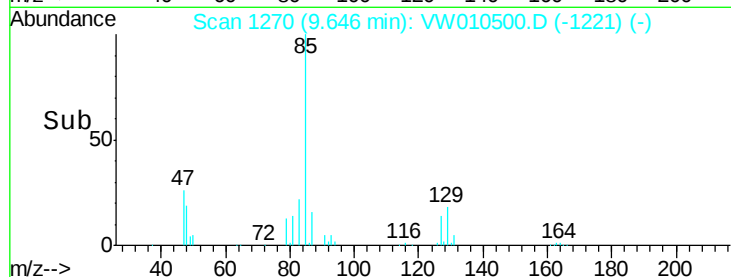
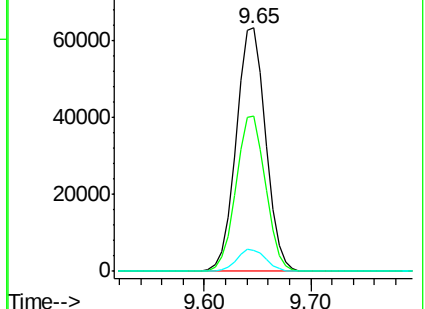
127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 47.418 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

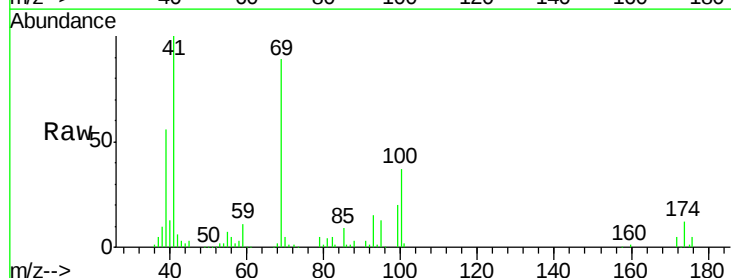
Tgt Ion: 41 Resp: 45037

Ion Ratio Lower Upper

41 100

69 92.6 77.6 116.4

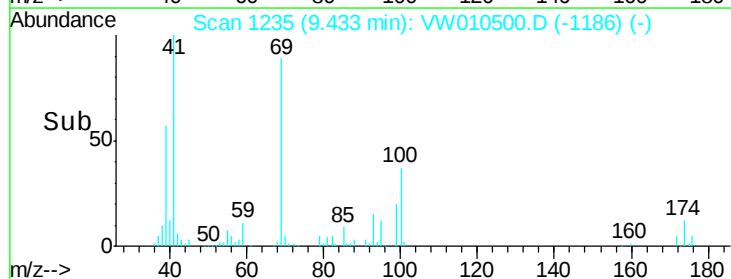
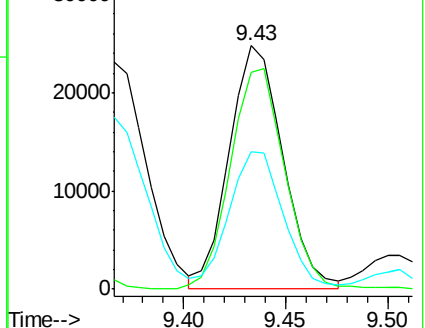
39 53.4 49.8 74.8

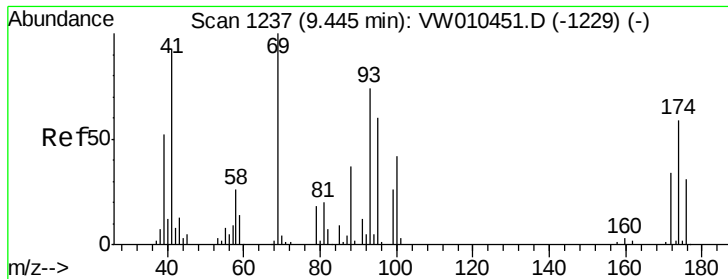


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 807.596 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

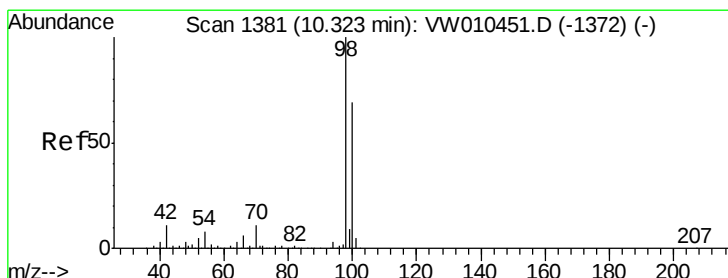
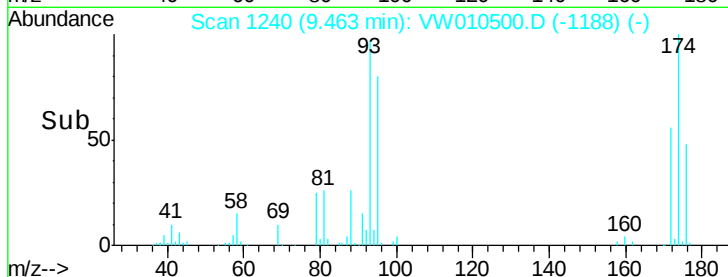
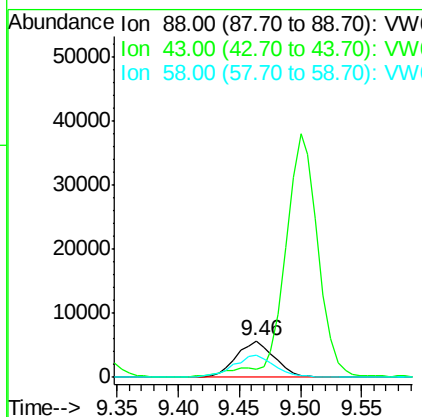
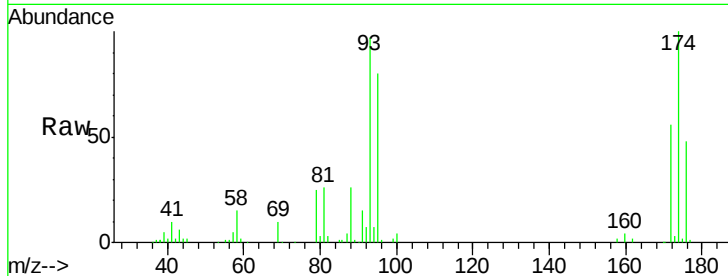
Tot Ion: 88 Resp: 12446

Ion Ratio Lower Upper

88 100

43 0.0 25.9 38.9#

58 66.3 52.7 79.1



#50

Toluene-d8

Concen: 49.925 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010500.D

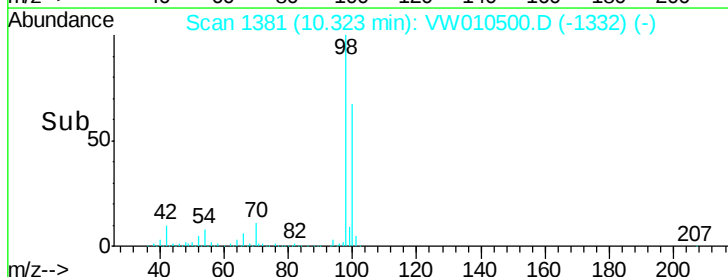
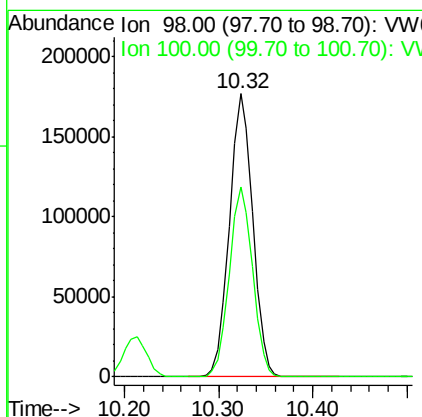
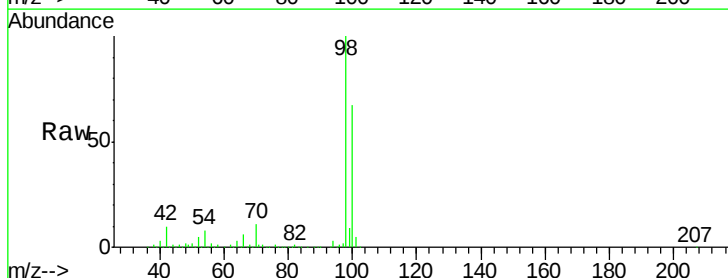
Acq: 22 May 2019 10:20

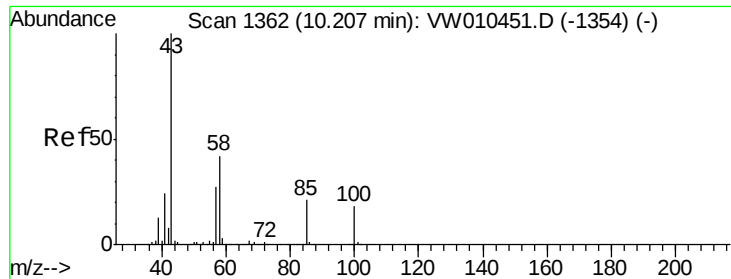
Tgt Ion: 98 Resp: 303595

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 216.150 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

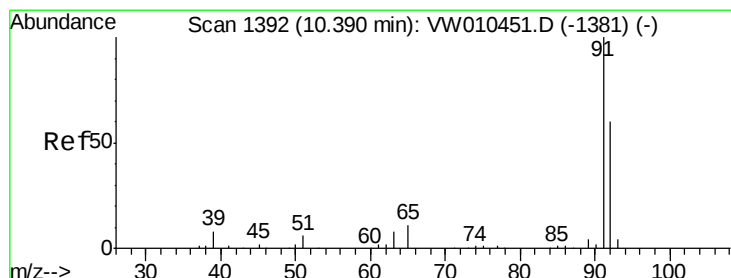
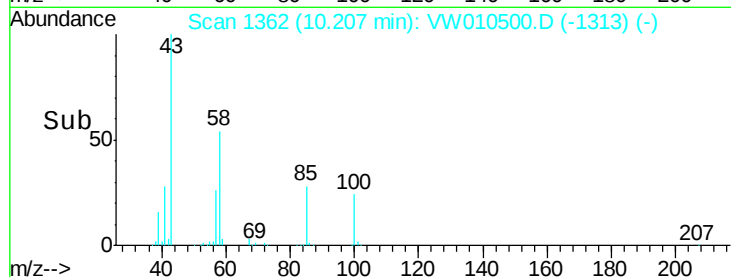
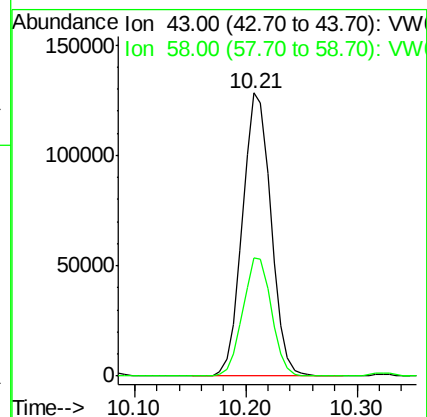
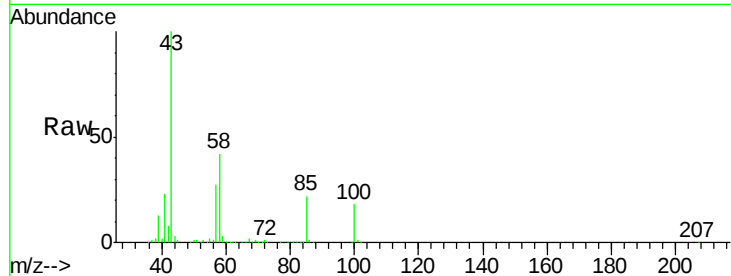
VSTDCCC050

Tot Ion: 43 Resp: 227392

Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8



#52

Toluene

Concen: 53.328 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010500.D

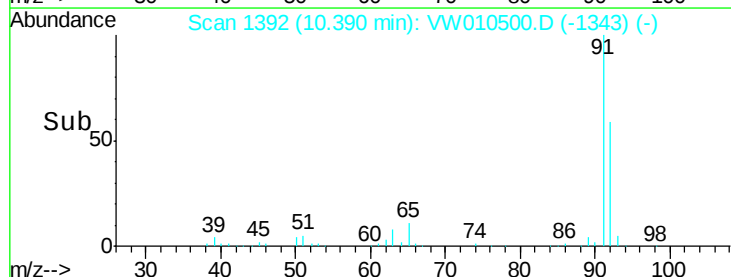
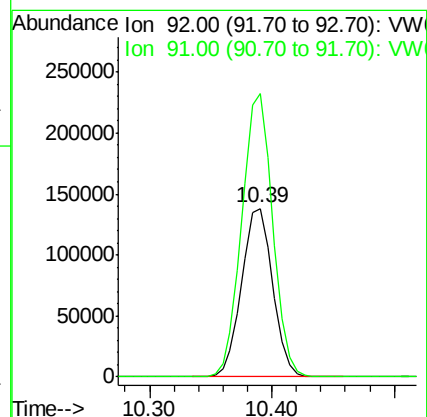
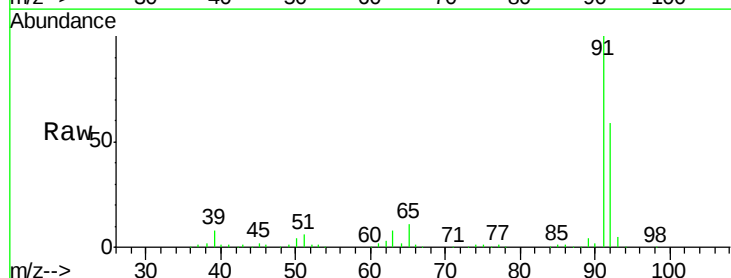
Acq: 22 May 2019 10:20

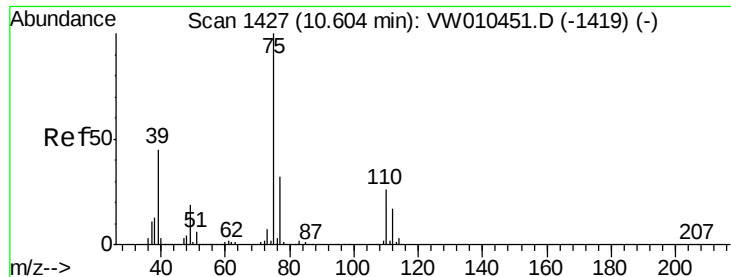
Tgt Ion: 92 Resp: 243258

Ion Ratio Lower Upper

92 100

91 167.0 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 50.143 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

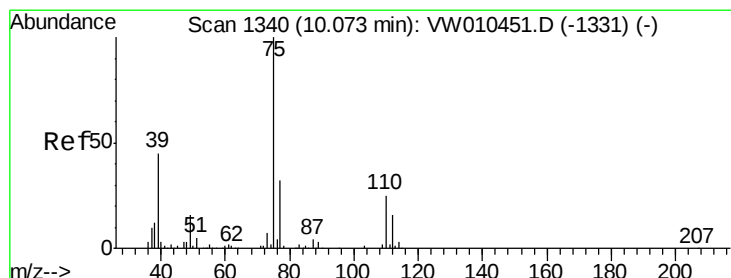
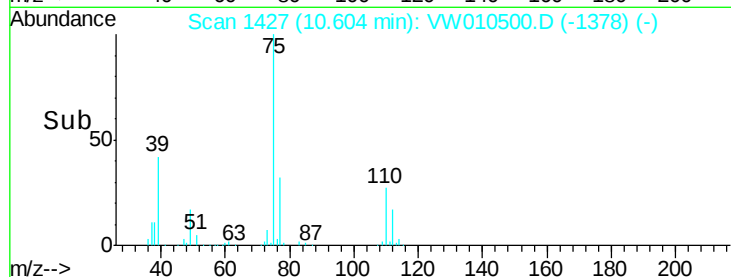
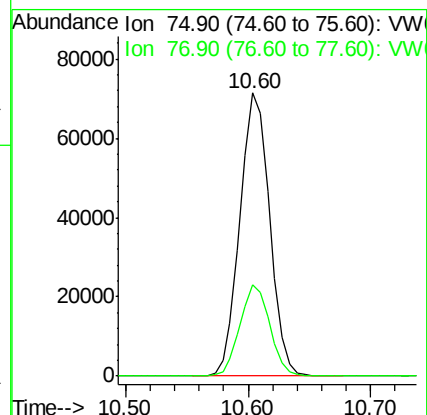
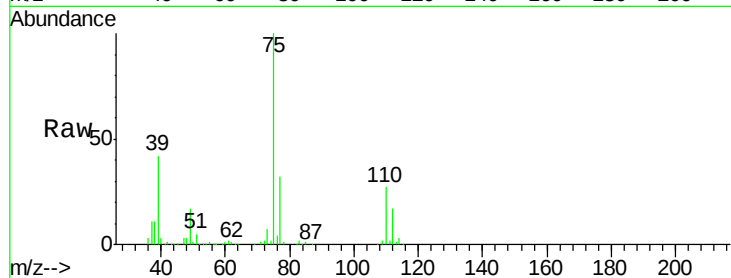
VSTDCCC050

Tot Ion: 75 Resp: 120396

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.948 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

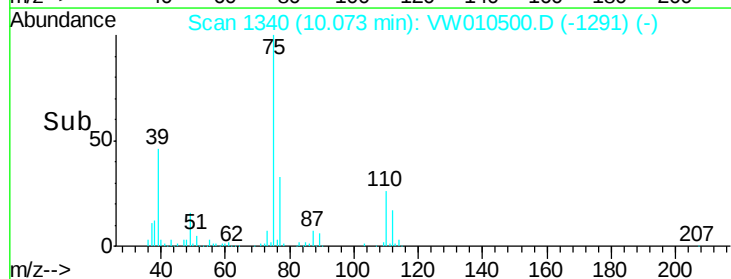
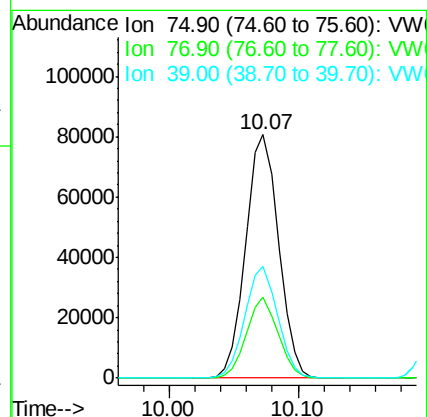
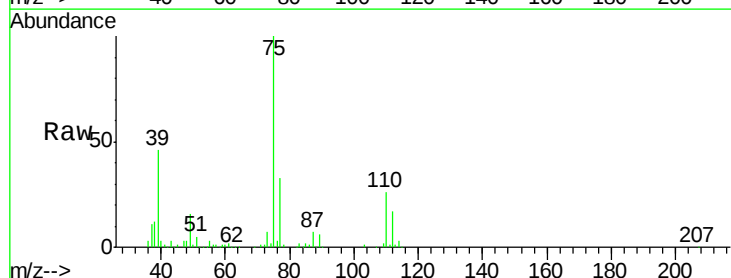
Tgt Ion: 75 Resp: 142449

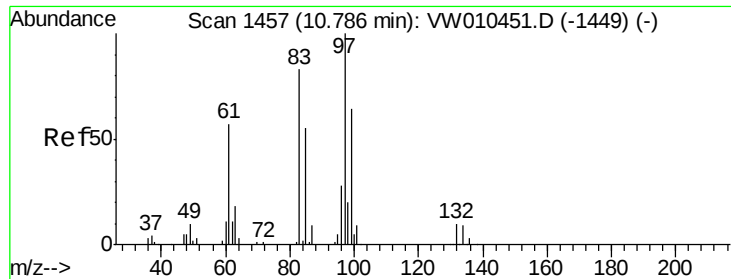
Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

39 46.1 36.2 54.4

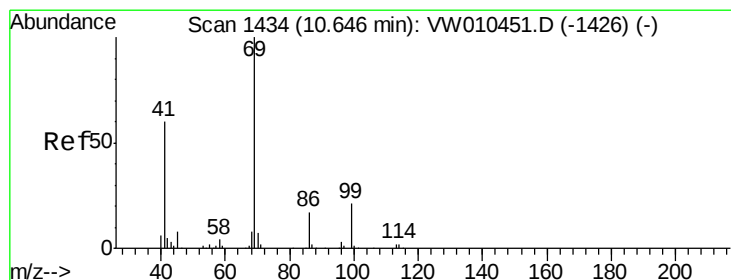
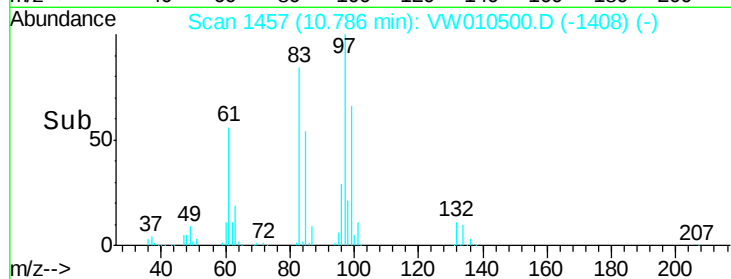
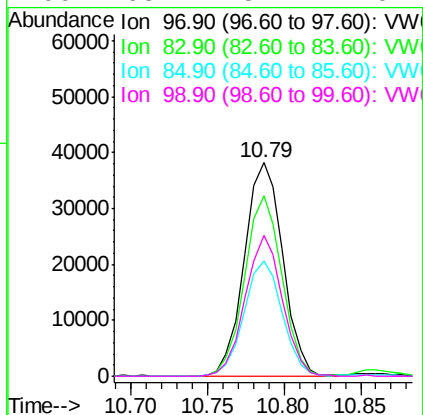
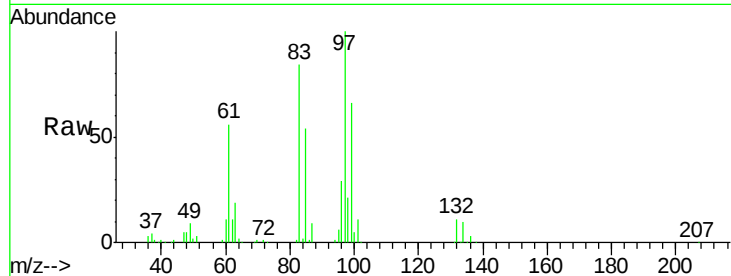




#55
 1,1,2-Trichloroethane
 Concen: 49.350 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

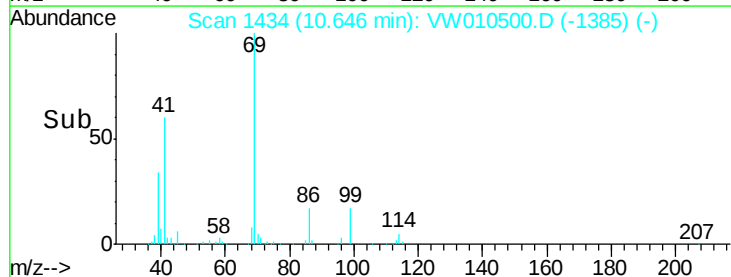
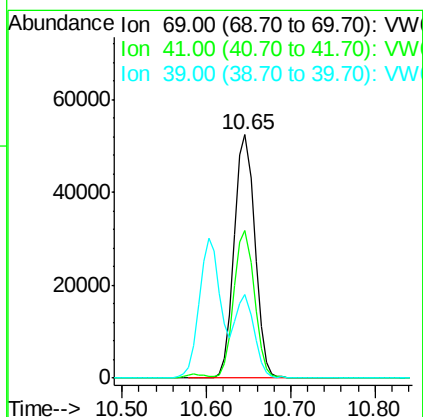
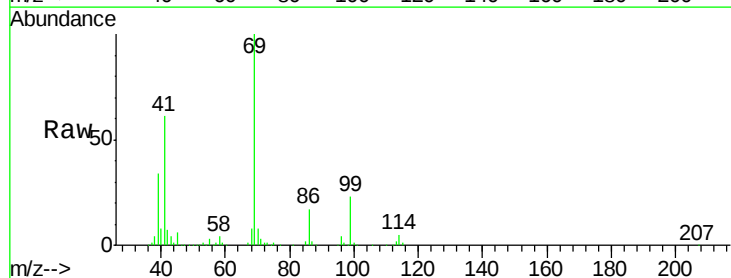
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

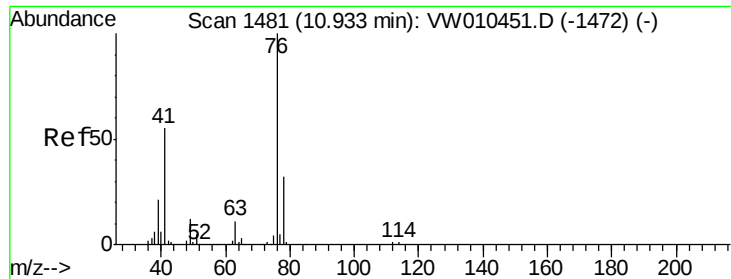
Tot Ion:	97	Resp:	66950
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.1	99.1
85	54.0	44.2	66.4
99	65.7	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 46.245 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion:	69	Resp:	86525
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.7	71.5
39	30.7	25.3	37.9

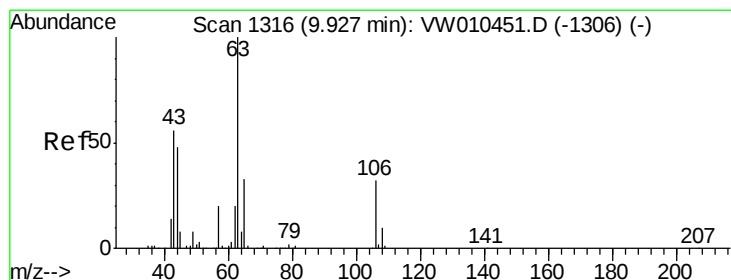
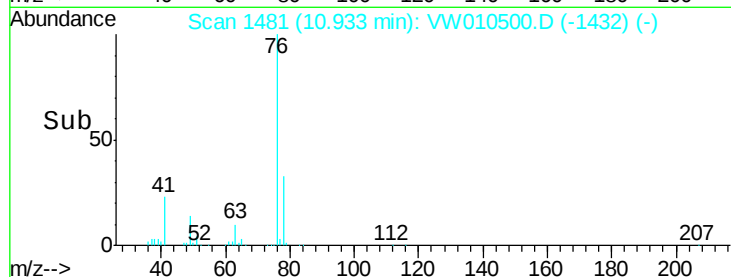
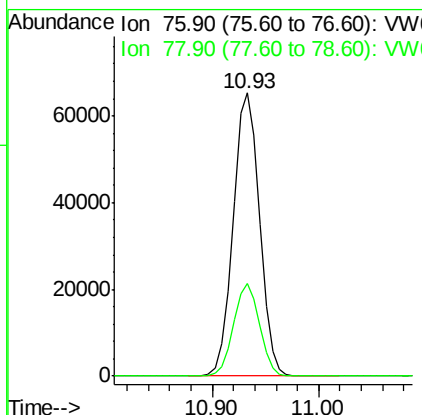
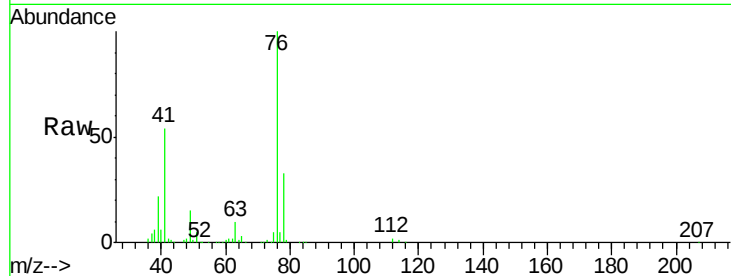




#57
 1,3-Dichloropropane
 Concen: 49.921 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

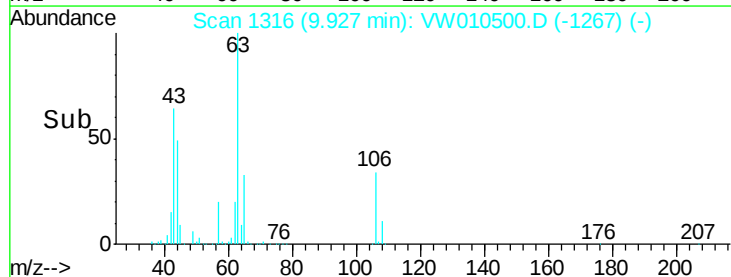
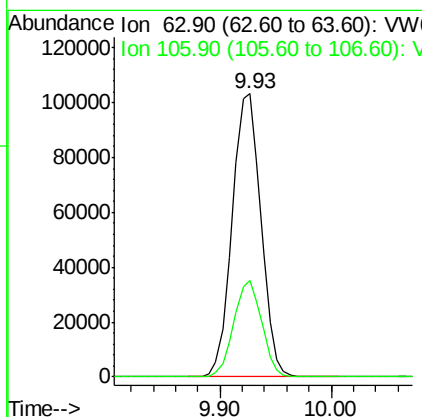
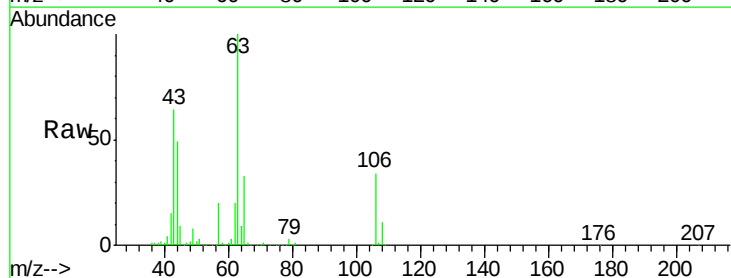
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

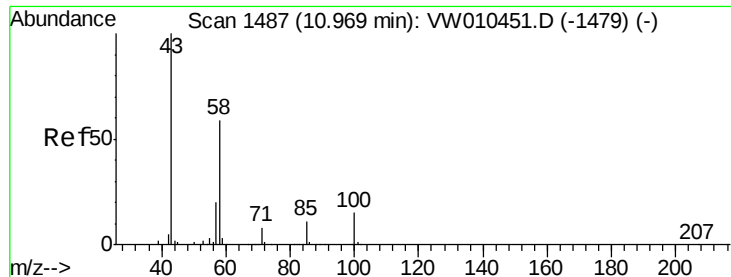
Tot Ion: 76 Resp: 113442
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.431 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion: 63 Resp: 184335
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.8 38.6

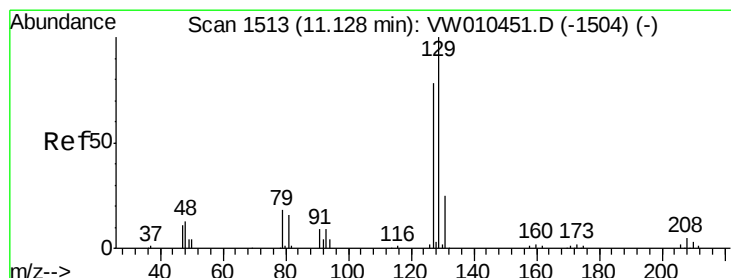
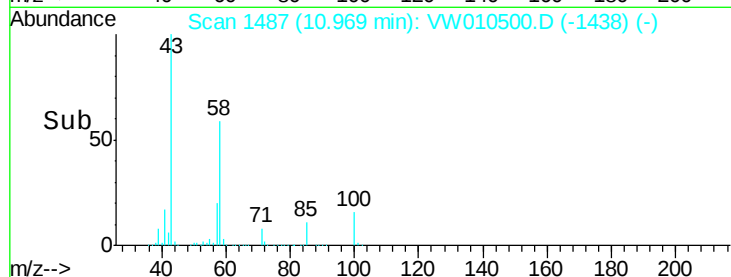
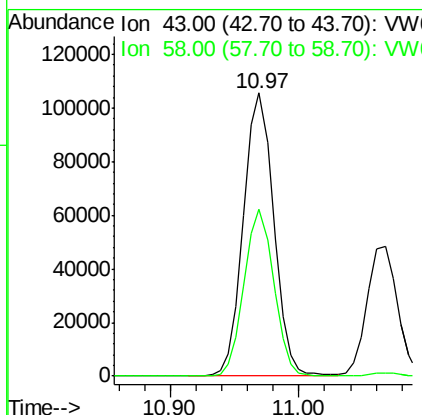
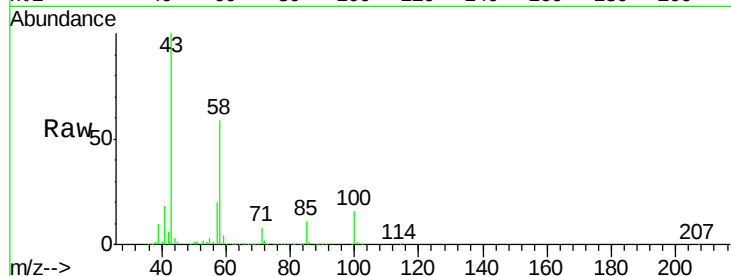




#59
2-Hexanone
Concen: 229.314 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

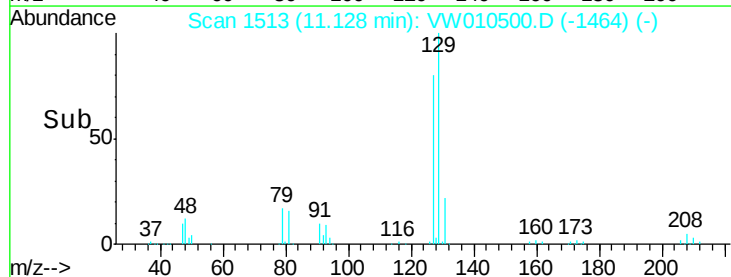
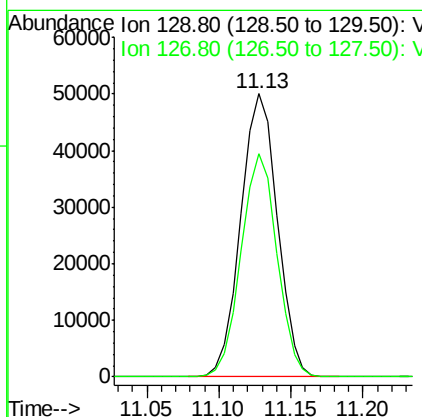
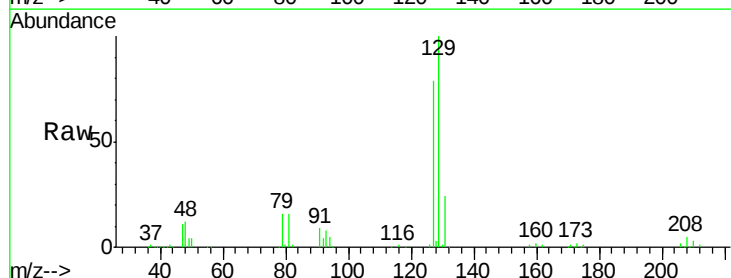
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

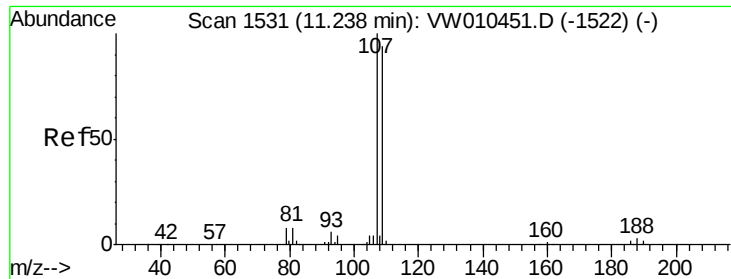
Tot Ion: 43 Resp: 172088
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8



#60
Dibromochloromethane
Concen: 51.371 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 129 Resp: 88202
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7

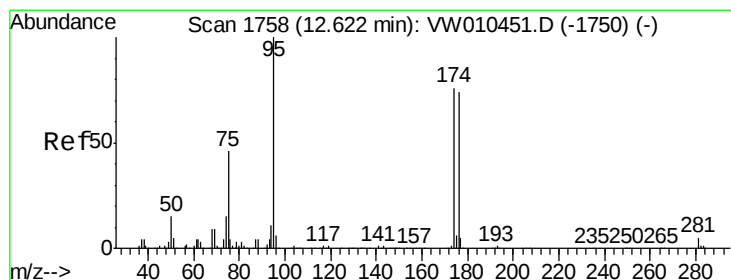
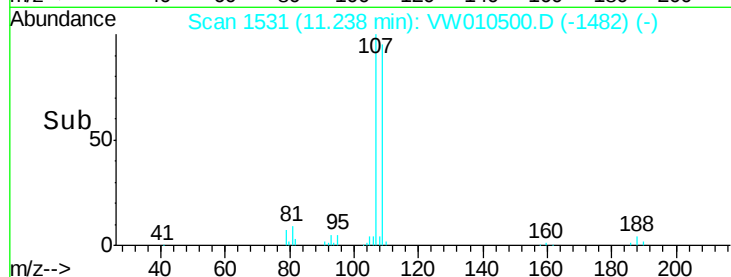
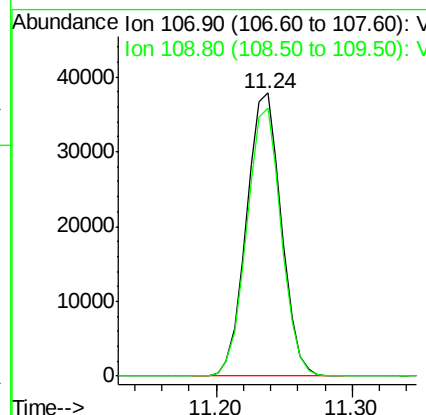
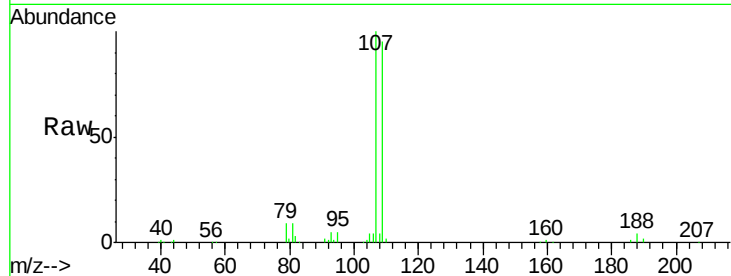




#61
 1,2-Dibromoethane
 Concen: 49.356 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

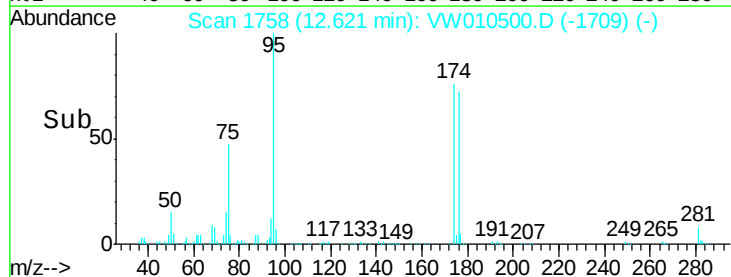
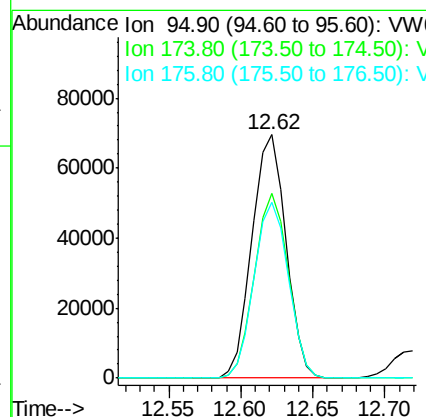
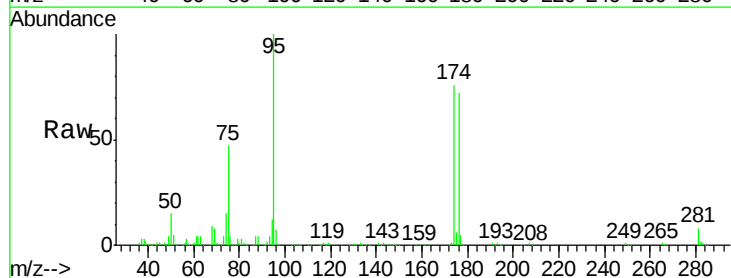
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

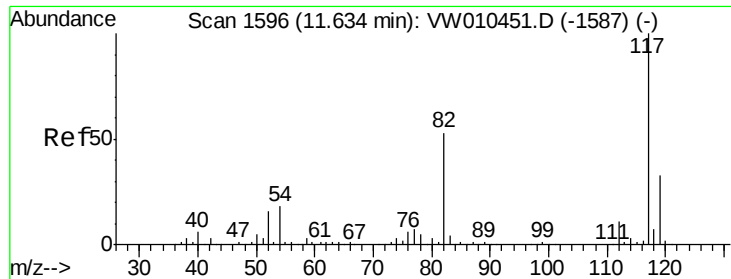
Tot Ion:107 Resp: 67828
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 46.905 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion: 95 Resp: 113612
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 148.6
 176 72.9 0.0 144.2

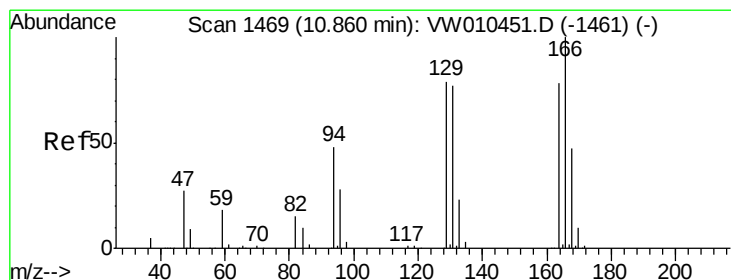
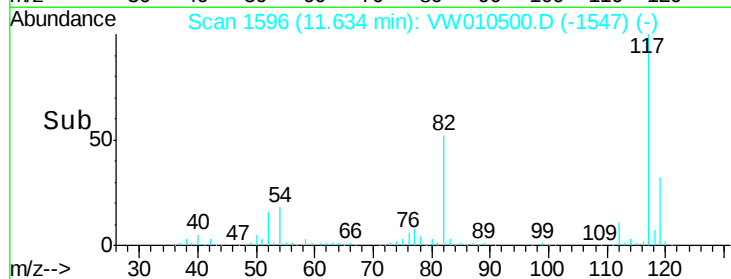
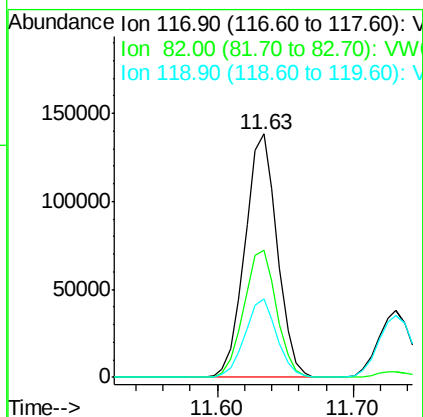
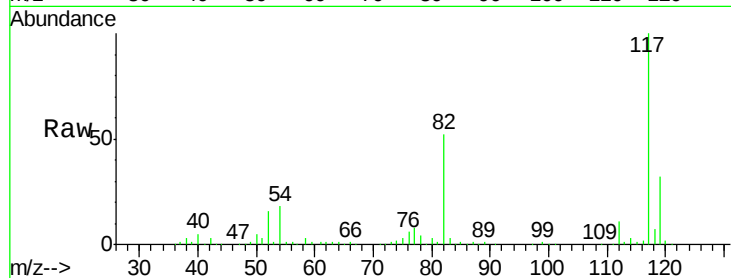




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

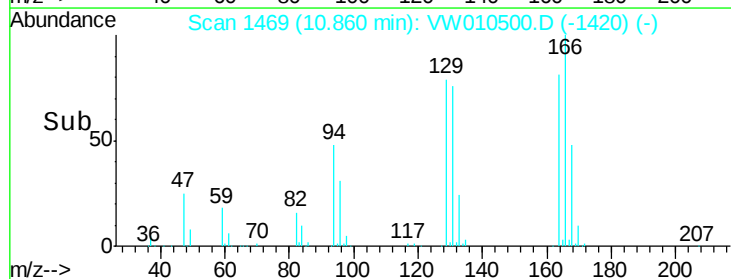
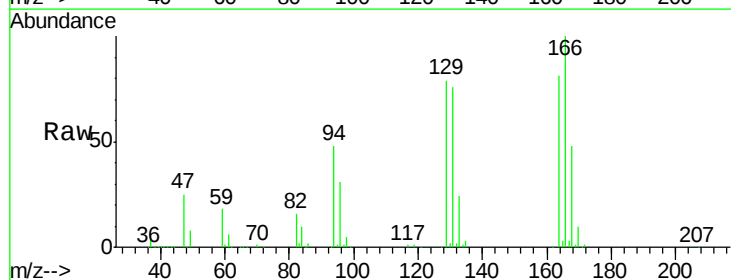
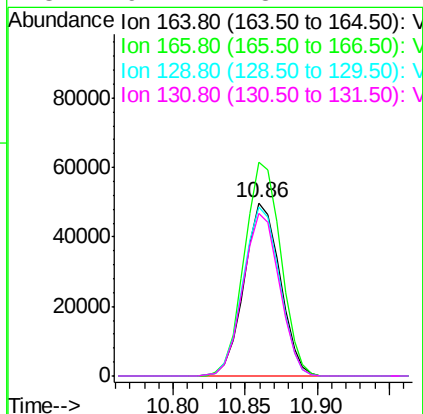
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

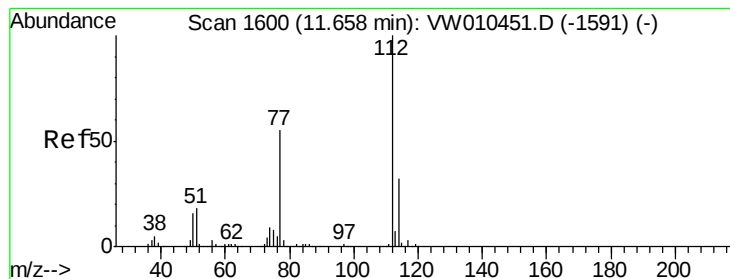
Tot Ion:117 Resp: 229437
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 53.737 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:164 Resp: 85946
Ion Ratio Lower Upper
164 100
166 123.6 101.9 152.9
129 97.5 80.6 121.0
131 94.2 78.2 117.2





#65

Chlorobenzene

Concen: 53.288 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

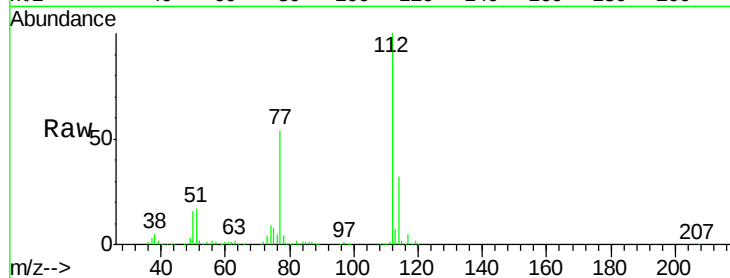
VSTDCCC050

Tot Ion:112 Resp: 260569

Ion Ratio Lower Upper

112 100

114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

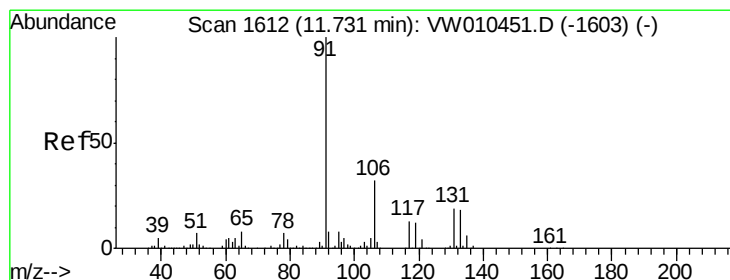
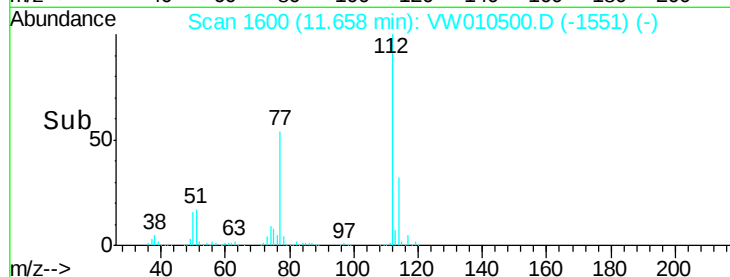
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.812 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

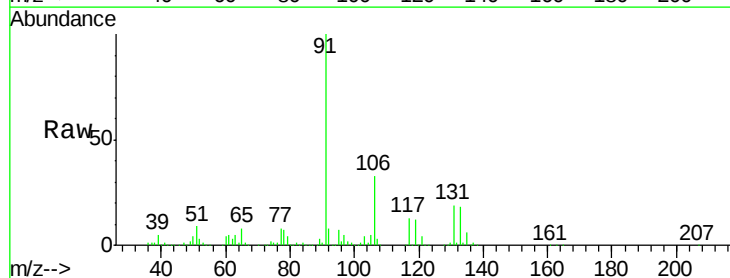
Tgt Ion:131 Resp: 94260

Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.9

119 63.9 32.1 96.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

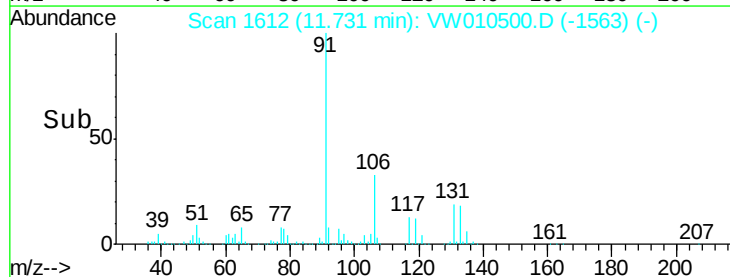
60000

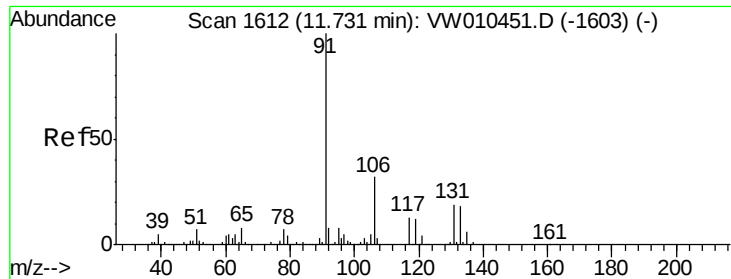
40000

20000

0

Time-->

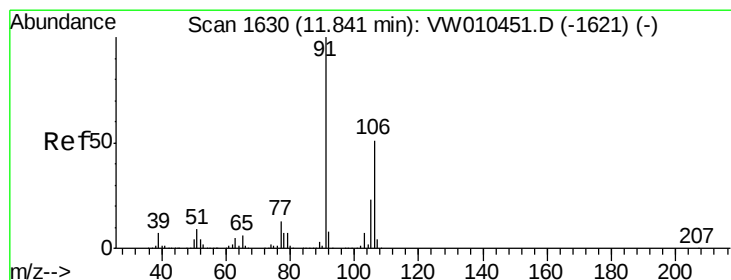
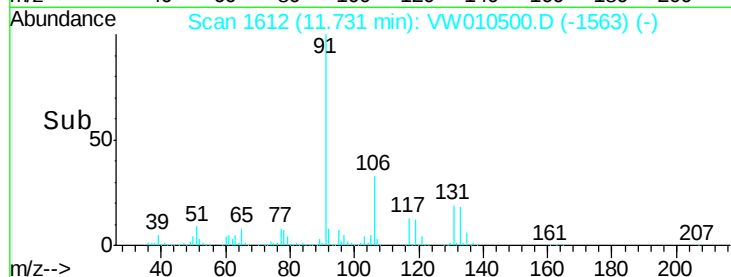
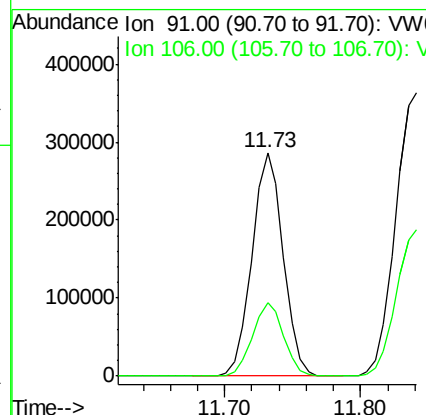
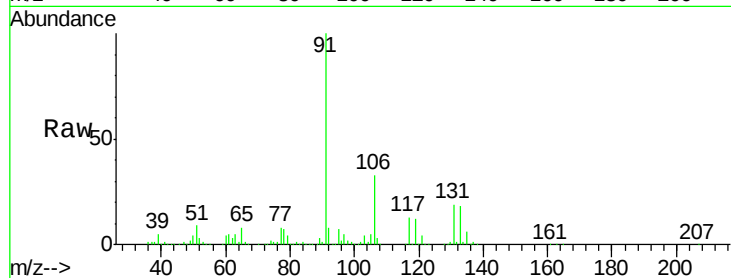




#67
Ethyl Benzene
Concen: 53.150 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

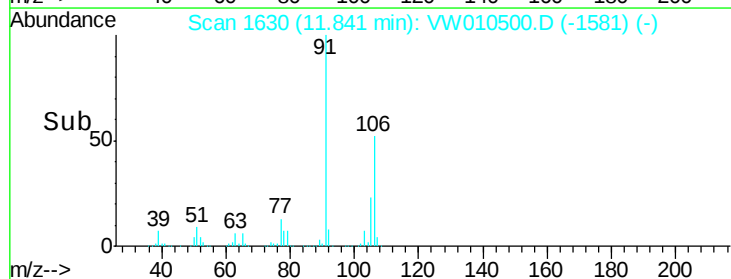
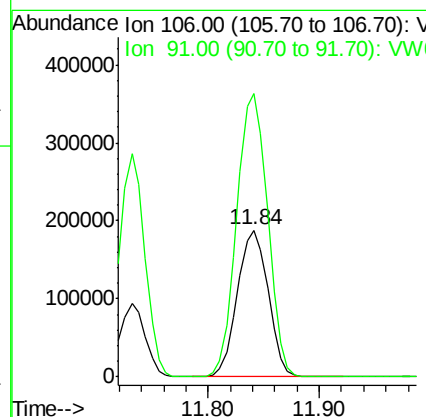
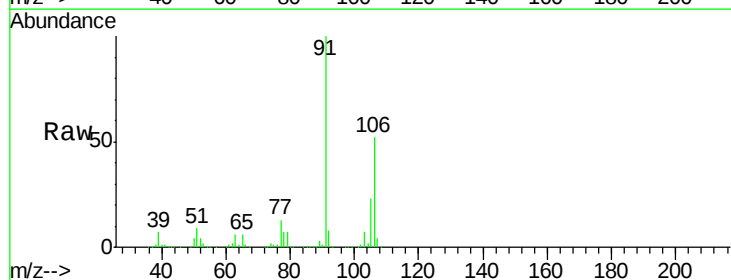
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

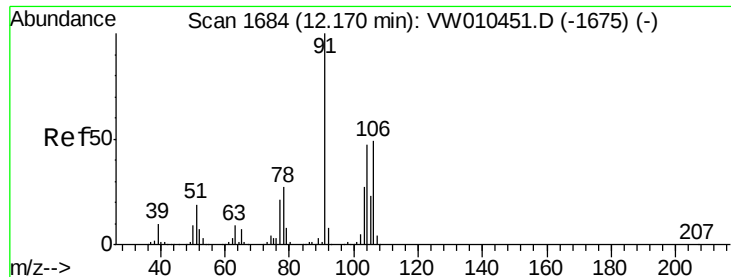
Tot Ion: 91 Resp: 458850
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9



#68
m/p-Xylenes
Concen: 106.059 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 106 Resp: 359139
Ion Ratio Lower Upper
106 100
91 194.6 156.0 234.0

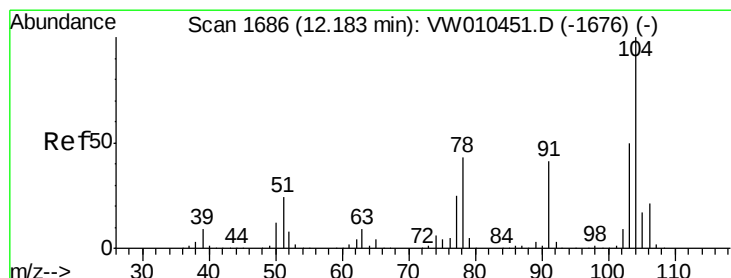
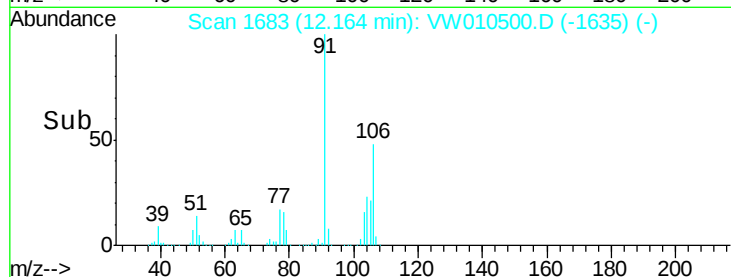
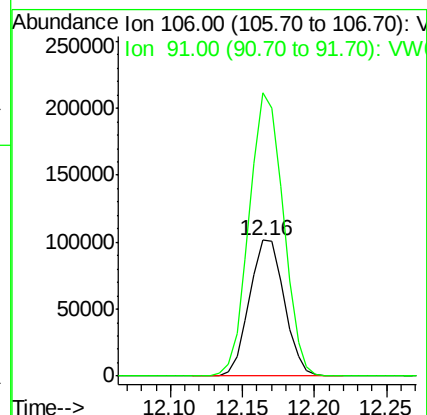
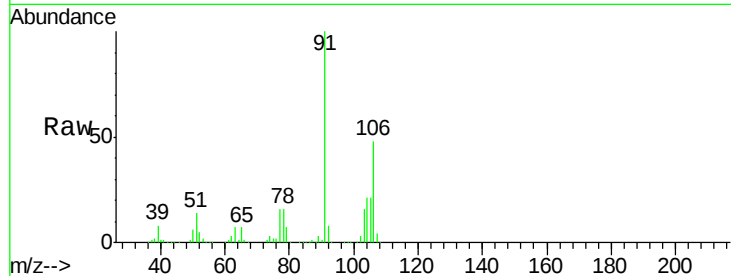




#69
o-Xylene
Concen: 52.903 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

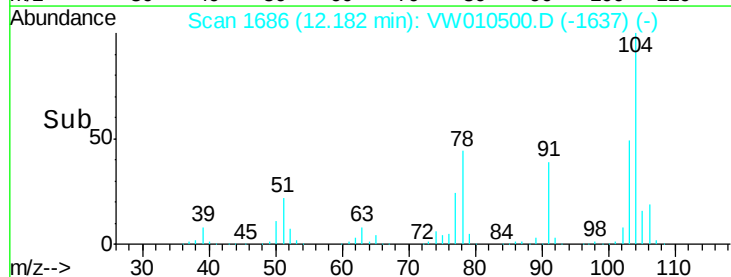
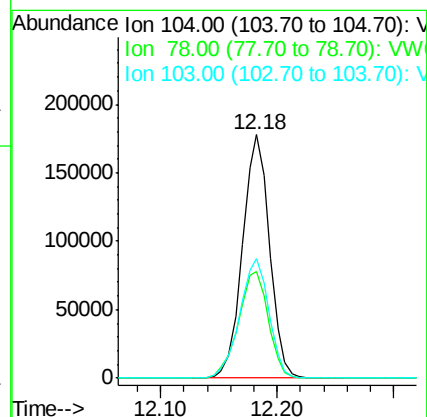
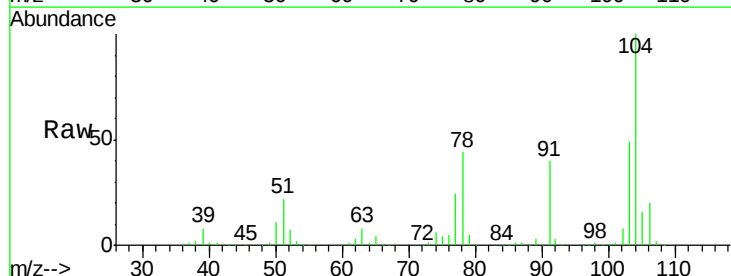
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

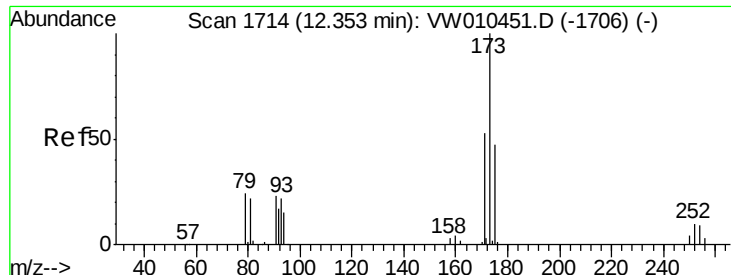
Tot Ion:106 Resp: 169725
Ion Ratio Lower Upper
106 100
91 204.6 103.2 309.4



#70
Styrene
Concen: 52.810 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:104 Resp: 287470
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 53.1 43.0 64.6

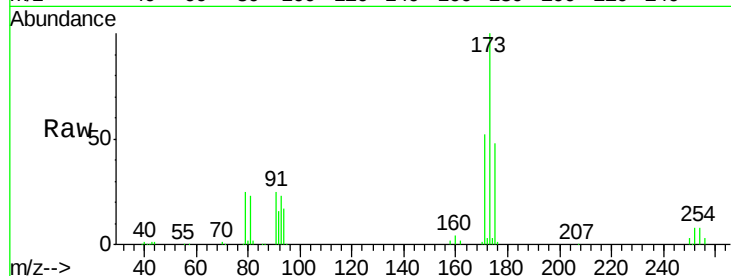




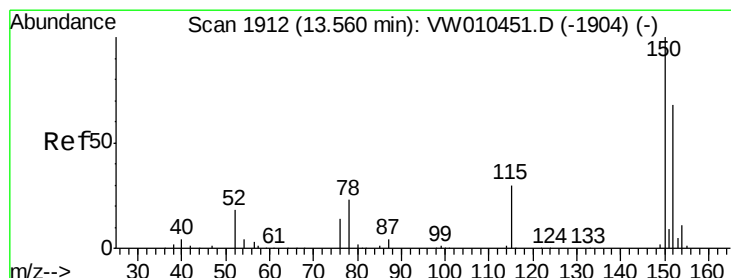
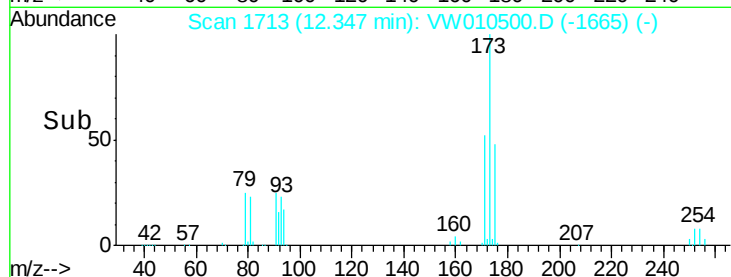
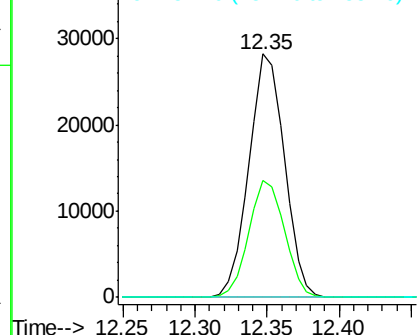
#71
Bromoform
Concen: 49.871 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 48106
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.4
254 0.0 0.0 0.0

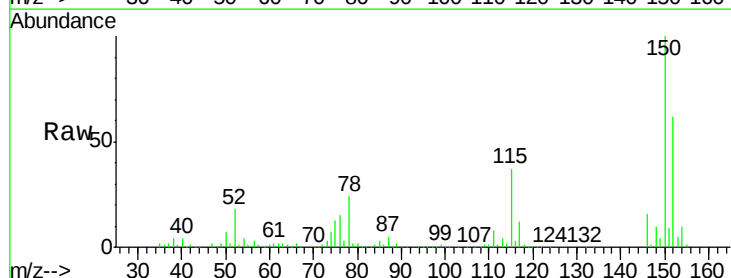


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

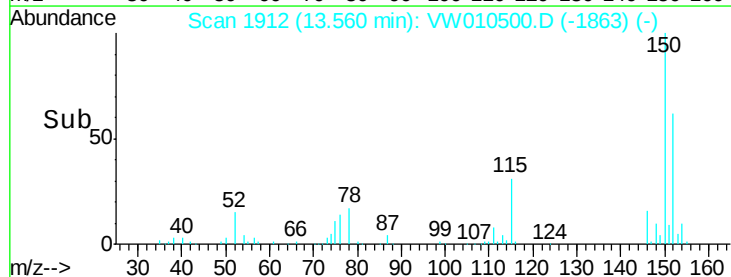
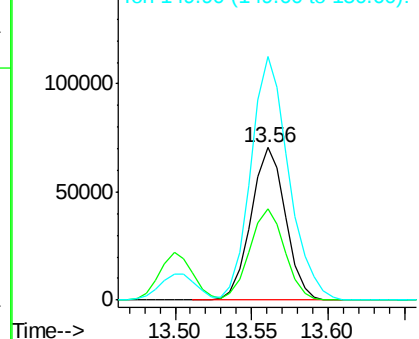


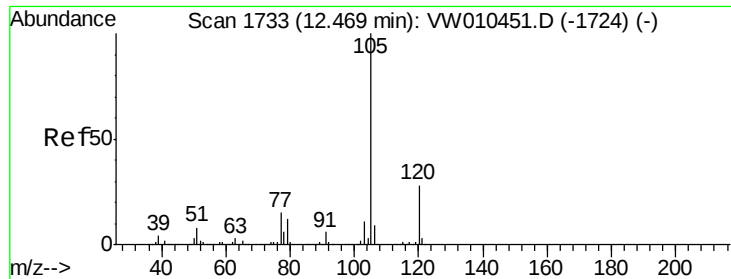
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:152 Resp: 110365
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 175.1 0.0 349.8



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: 52.816 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

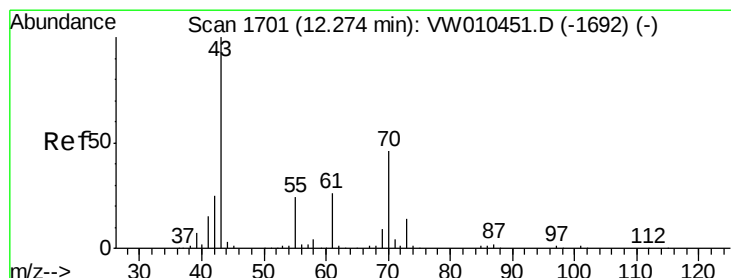
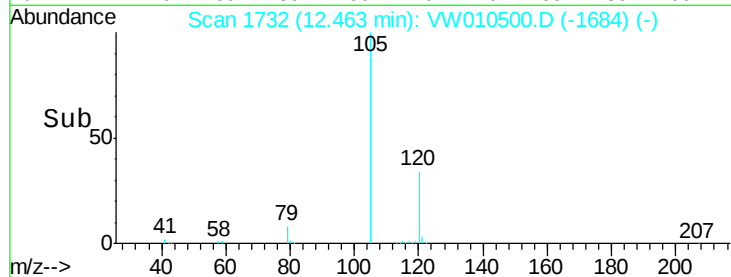
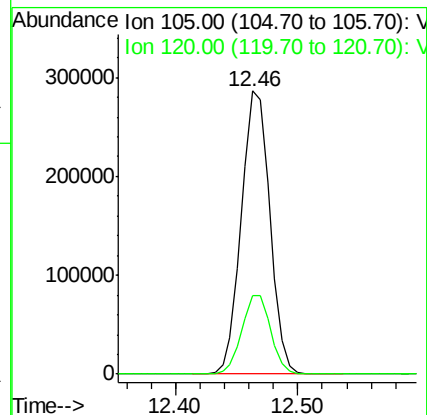
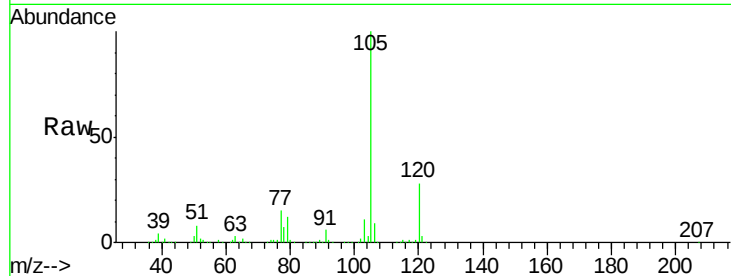
VSTDCCC050

Tot Ion:105 Resp: 462554

Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.7



#74

N-ethyl acetate

Concen: 42.928 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion: 43 Resp: 86153

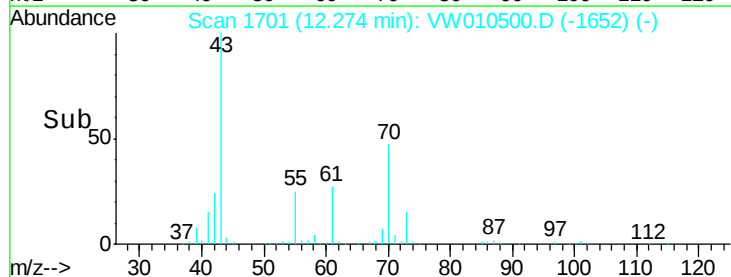
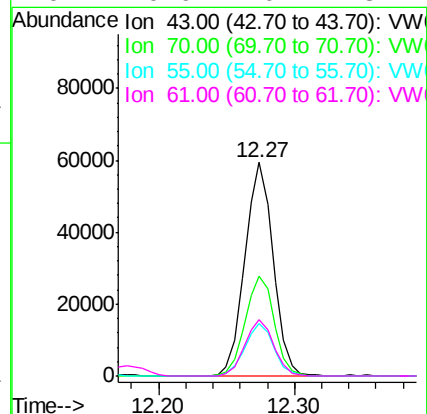
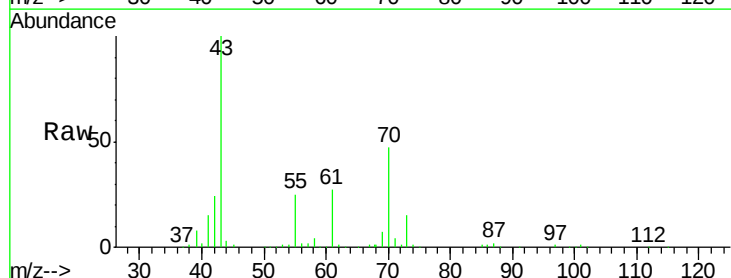
Ion Ratio Lower Upper

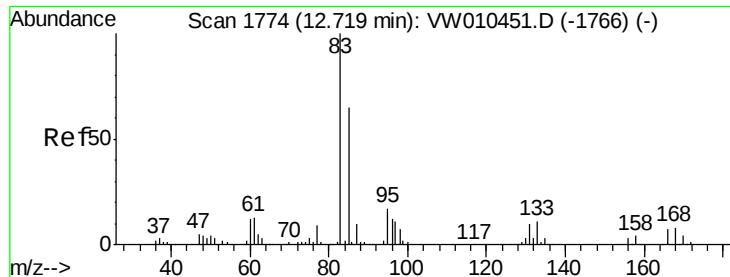
43 100

70 47.9 37.1 55.7

55 25.3 19.6 29.4

61 26.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.448 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

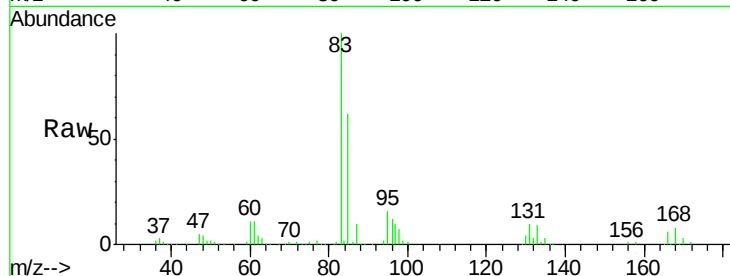
Tot Ion: 83 Resp: 73988

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

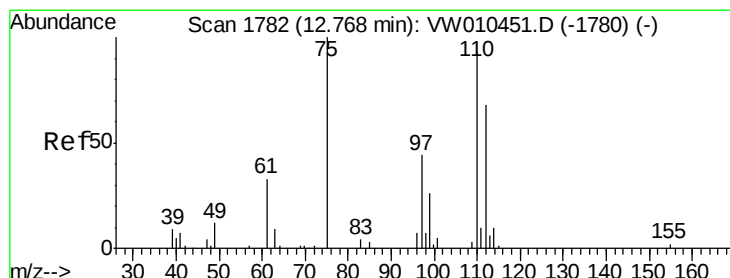
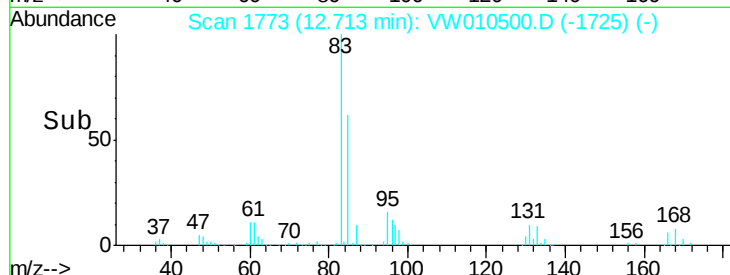
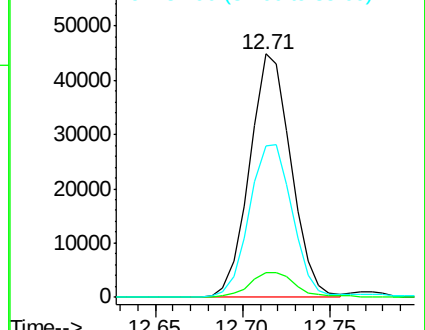
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.509 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010500.D

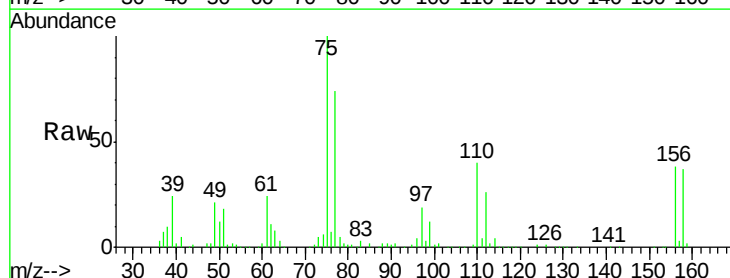
Acq: 22 May 2019 10:20

Tgt Ion: 75 Resp: 94673

Ion Ratio Lower Upper

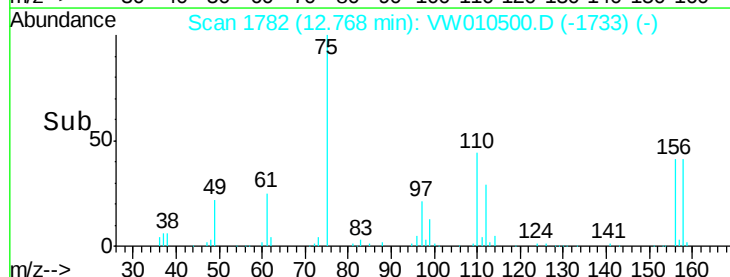
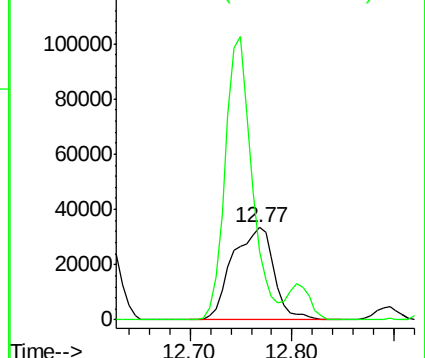
75 100

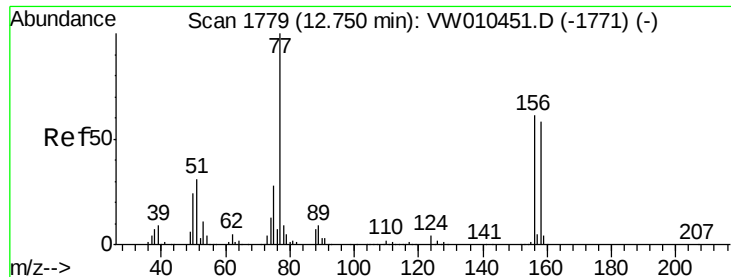
77 196.8 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.282 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

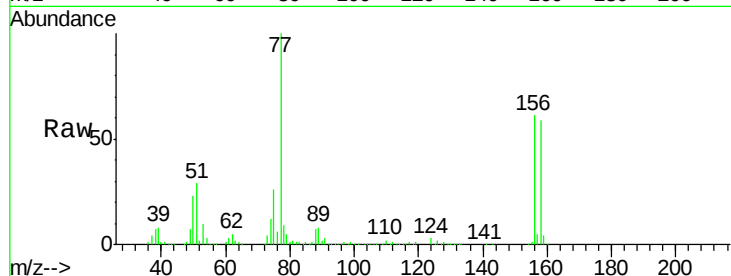
Tot Ion:156 Resp: 102465

Ion Ratio Lower Upper

156 100

77 181.8 92.4 277.2

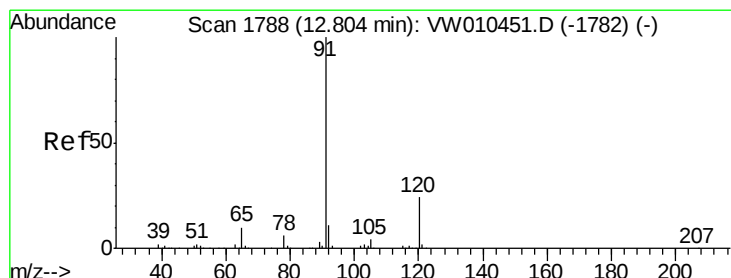
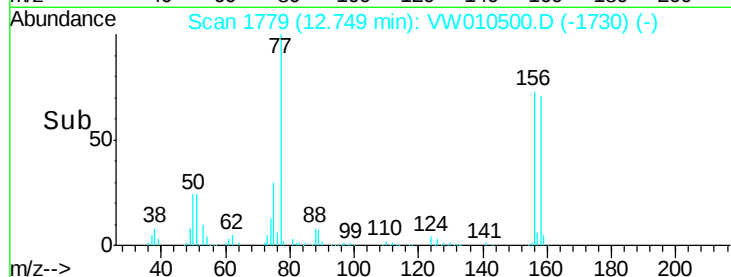
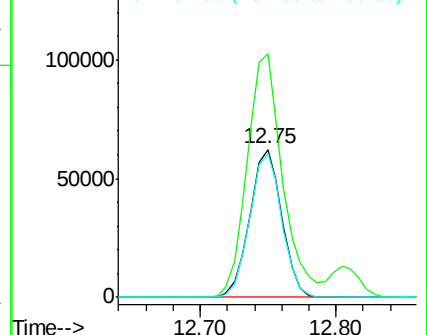
158 98.0 48.3 144.8



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: 52.465 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010500.D

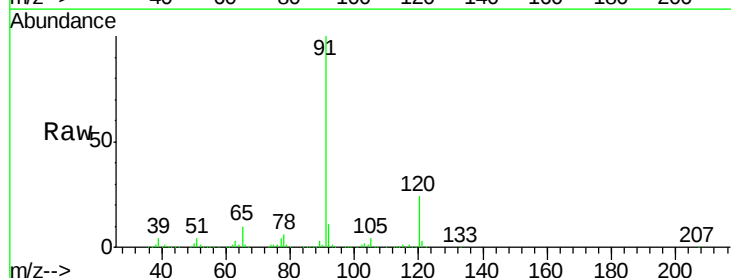
Acq: 22 May 2019 10:20

Tgt Ion: 91 Resp: 535464

Ion Ratio Lower Upper

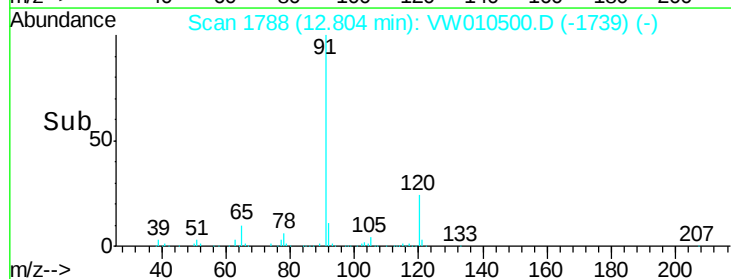
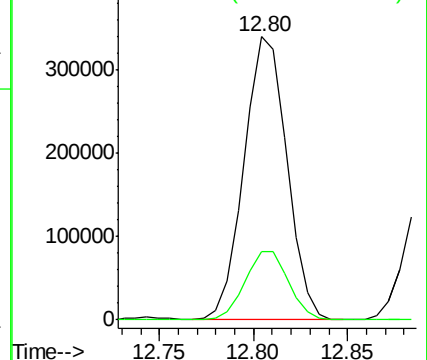
91 100

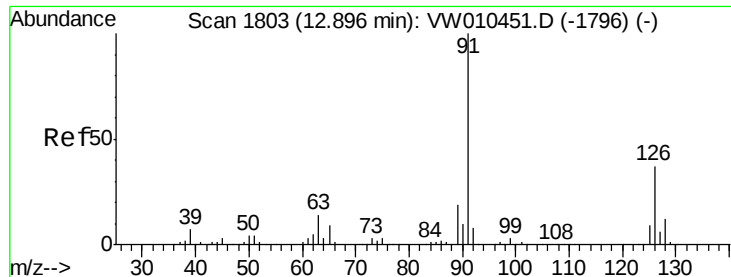
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.520 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

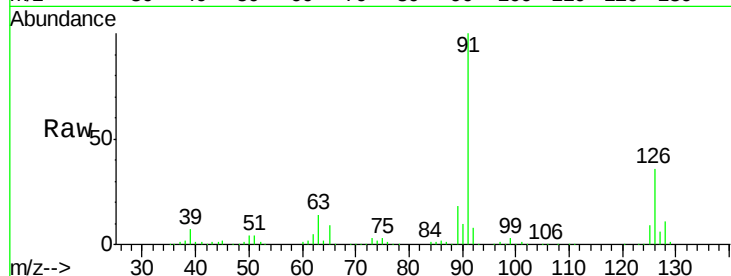
VSTDCCC050

Tot Ion: 91 Resp: 304936

Ion Ratio Lower Upper

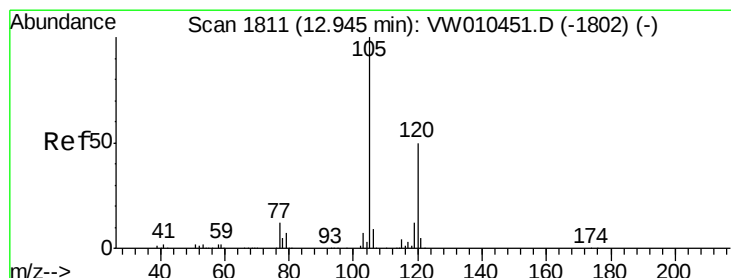
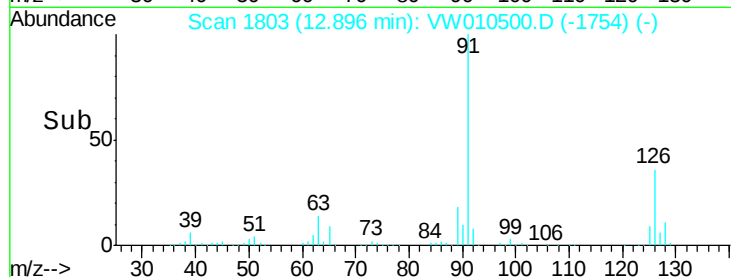
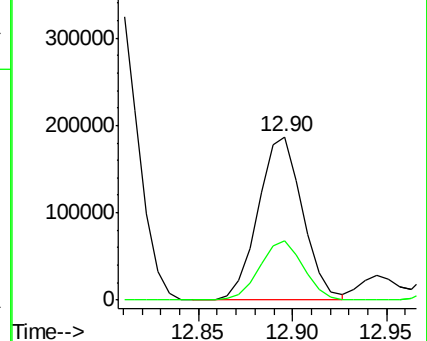
91 100

126 35.6 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.783 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010500.D

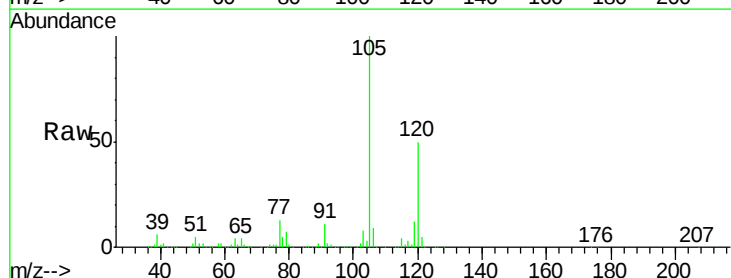
Acq: 22 May 2019 10:20

Tgt Ion:105 Resp: 391509

Ion Ratio Lower Upper

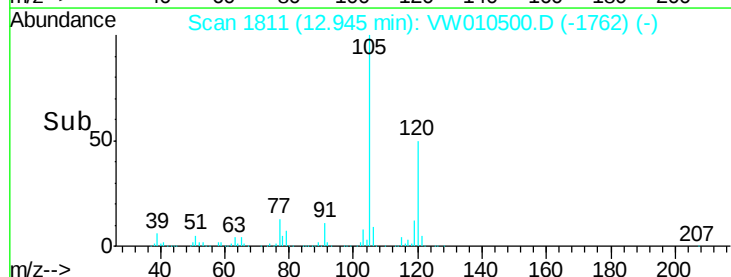
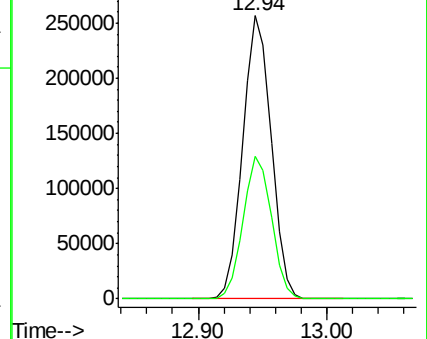
105 100

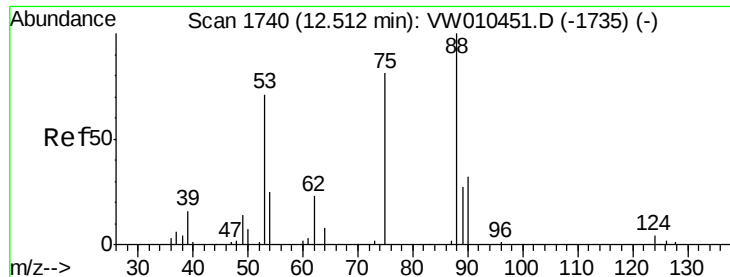
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.229 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

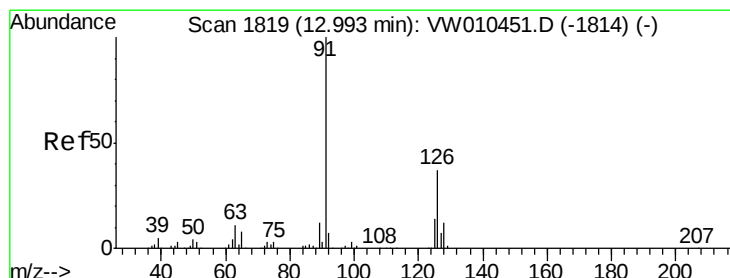
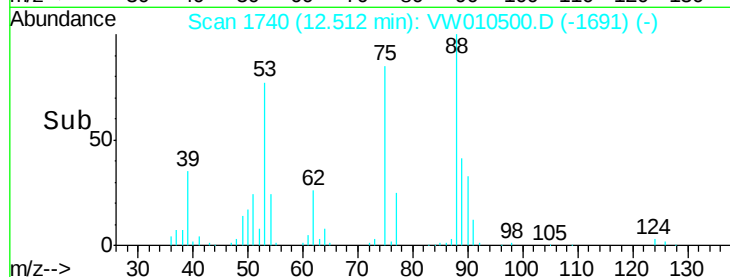
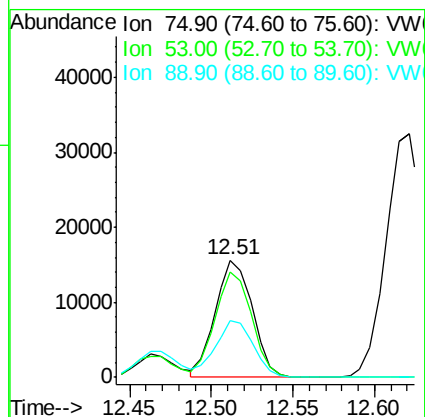
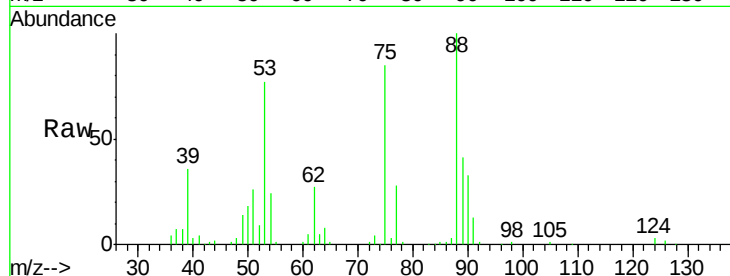
Tot Ion: 75 Resp: 24815

Ion Ratio Lower Upper

75 100

53 88.8 69.8 104.8

89 49.5 39.5 59.3



#82

4-Chlorotoluene

Concen: 51.861 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010500.D

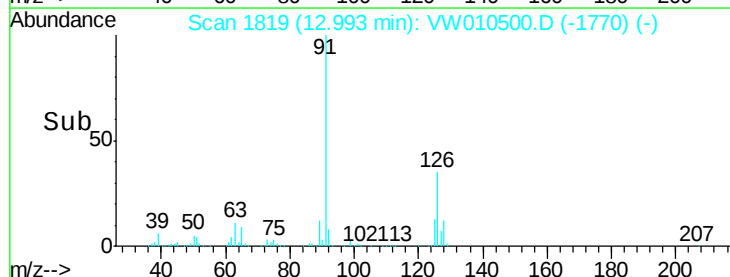
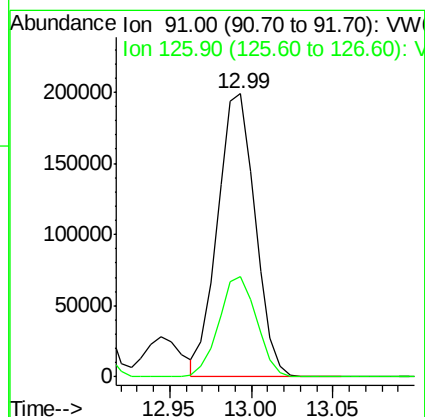
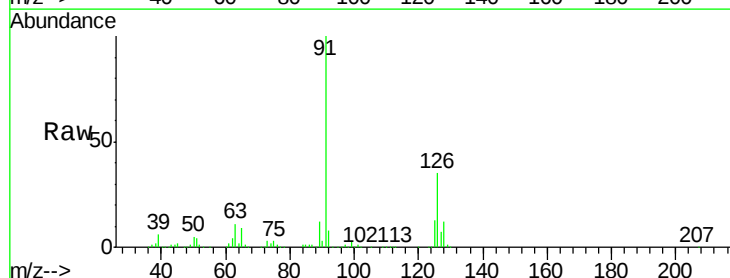
Acq: 22 May 2019 10:20

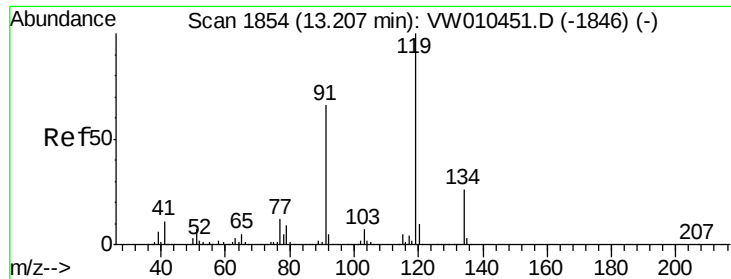
Tgt Ion: 91 Resp: 318607

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.6

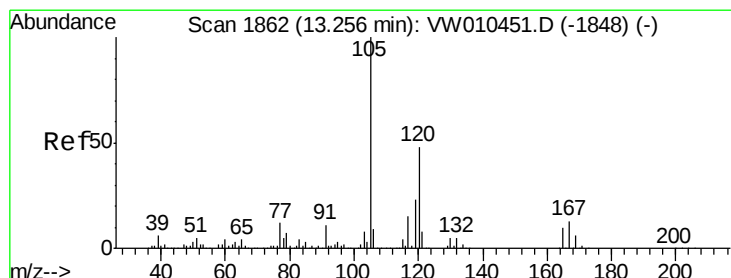
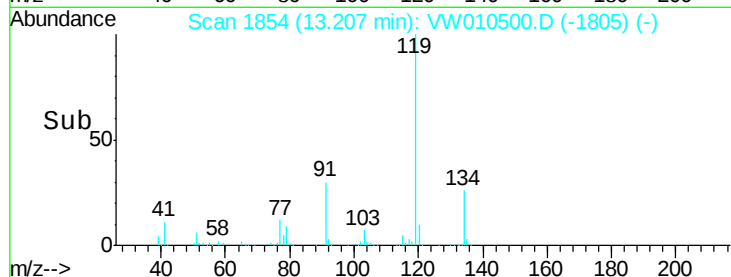
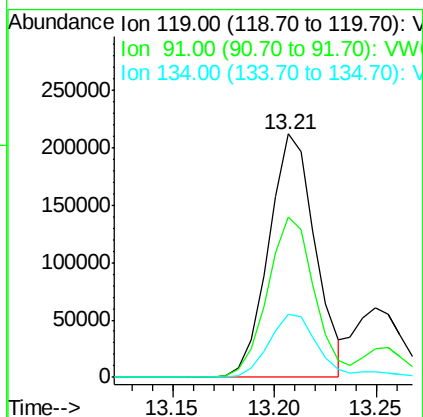
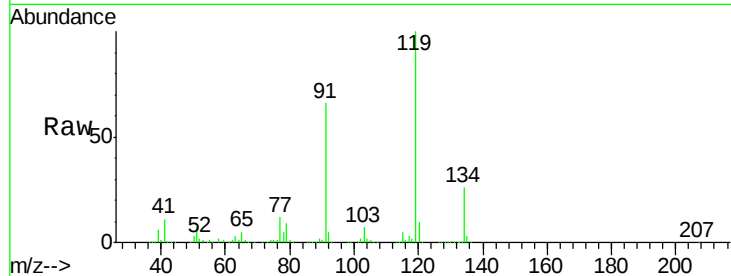




#83
tert-Butylbenzene
Concen: 52.170 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

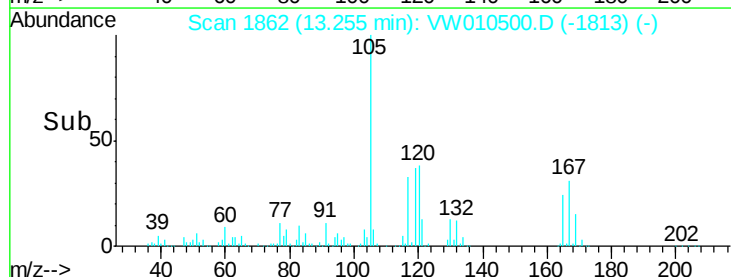
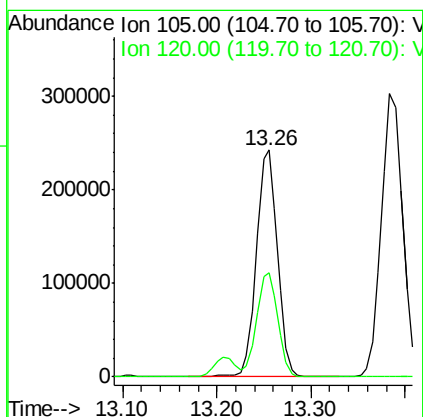
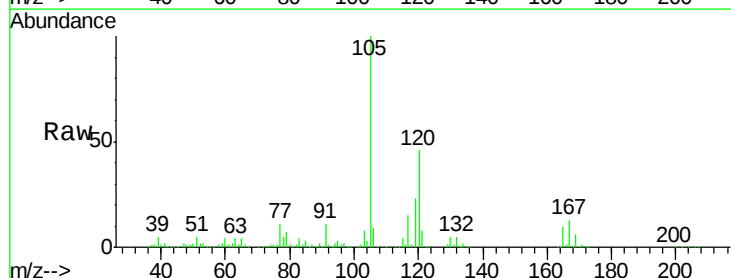
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

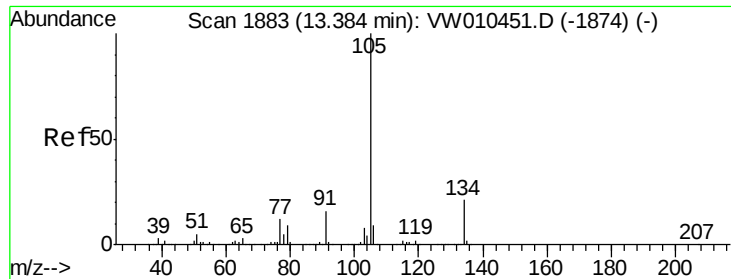
Tot Ion:119 Resp: 338017
Ion Ratio Lower Upper
119 100
91 66.4 33.1 99.5
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 51.888 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:105 Resp: 383320
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 52.609 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

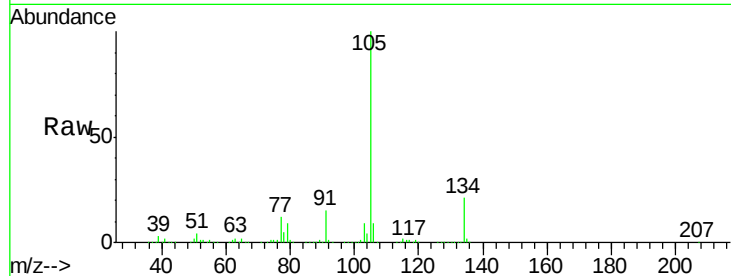
VSTDCCC050

Tot Ion:105 Resp: 477014

Ion Ratio Lower Upper

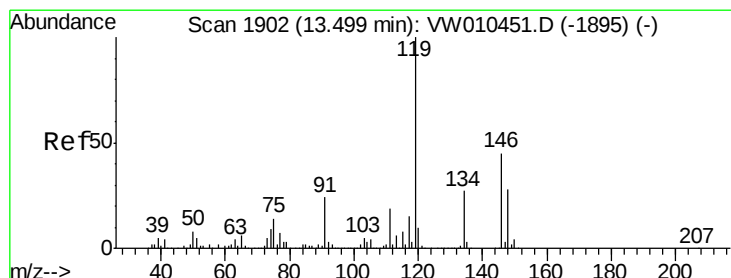
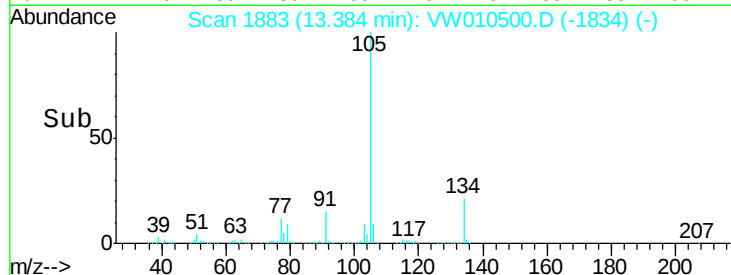
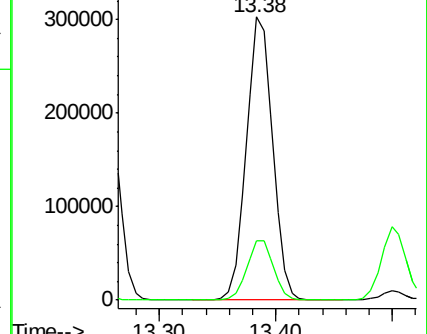
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.277 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

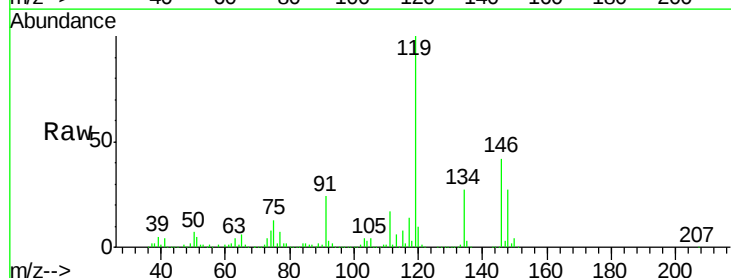
Tgt Ion:119 Resp: 429034

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

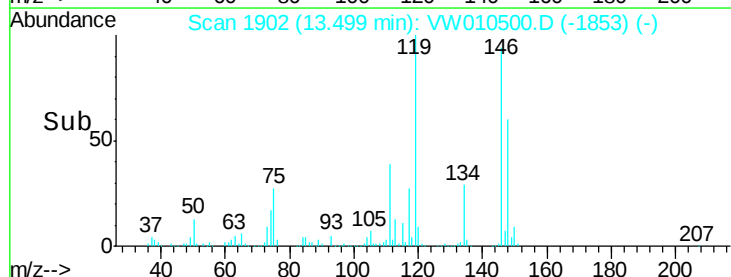
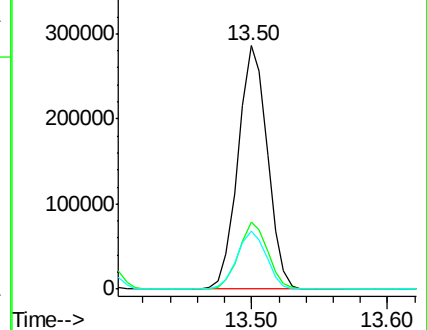
91 23.7 11.9 35.7

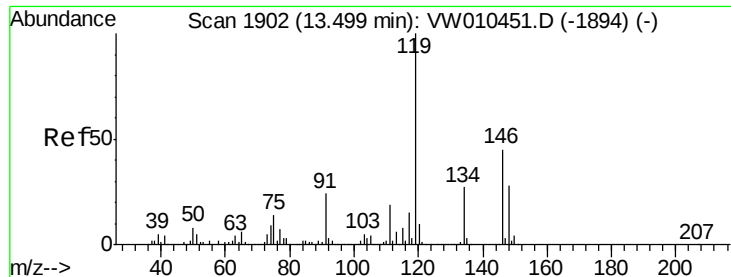


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

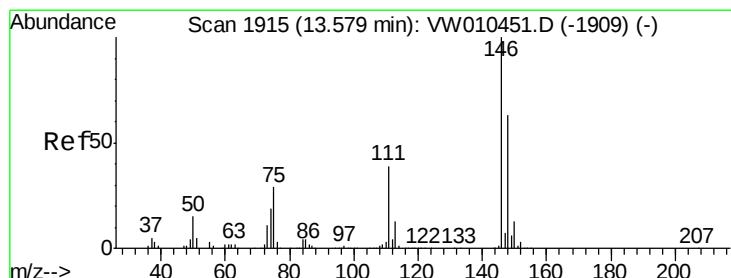
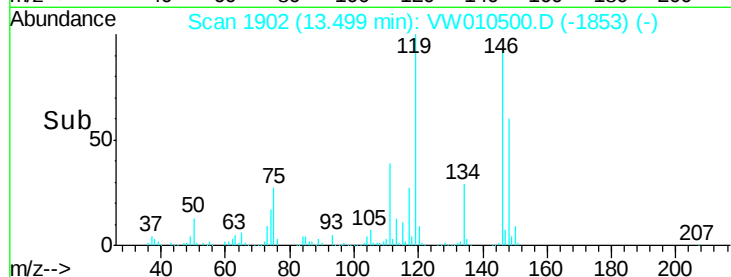
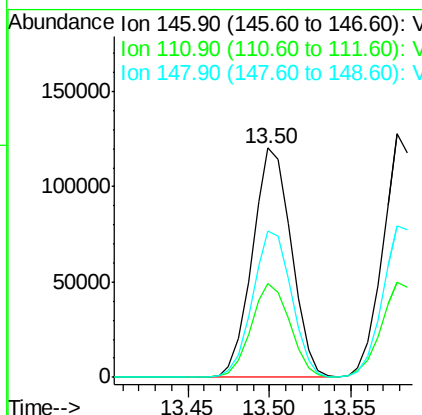
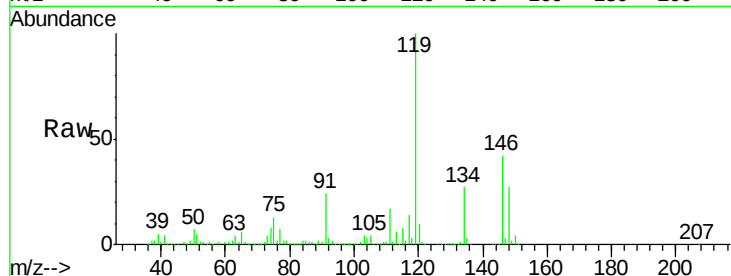




#87
 1,3-Dichlorobenzene
 Concen: 51.802 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

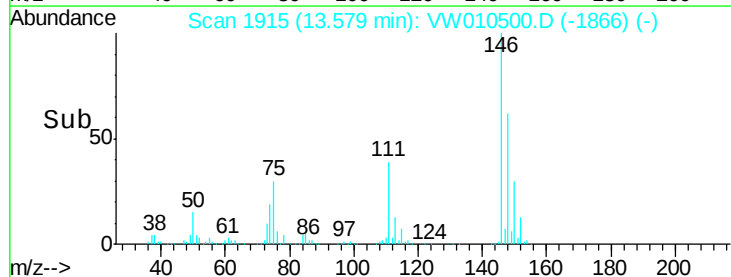
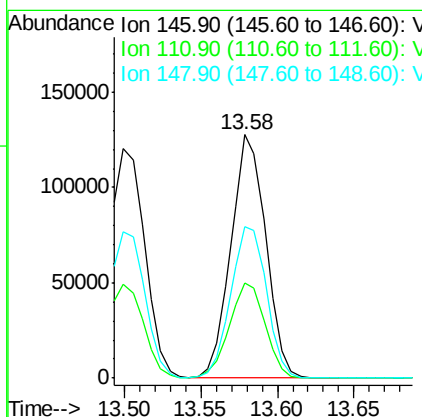
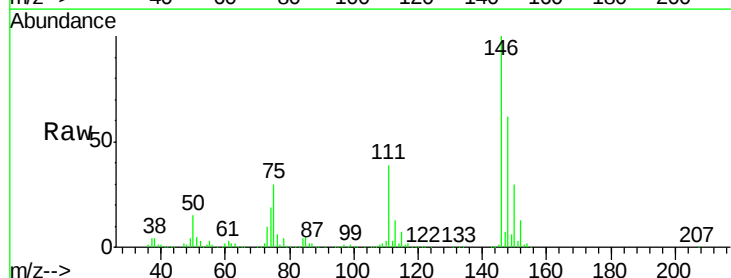
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

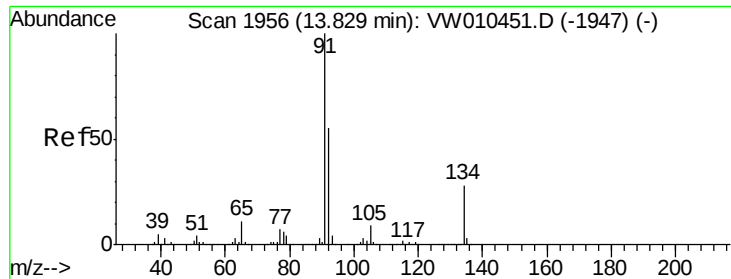
Tot Ion:146 Resp: 199183
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.9
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 52.461 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion:146 Resp: 202385
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 63.7 31.6 94.8

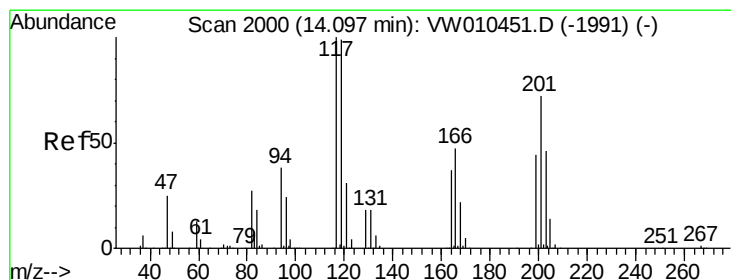
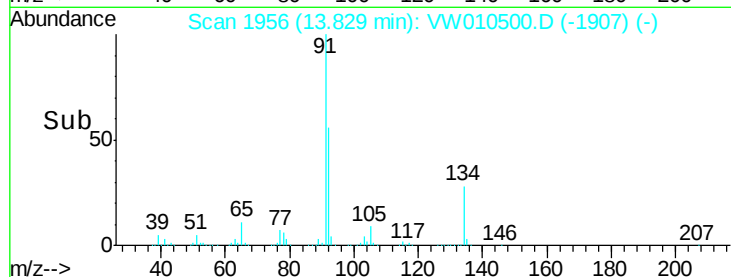
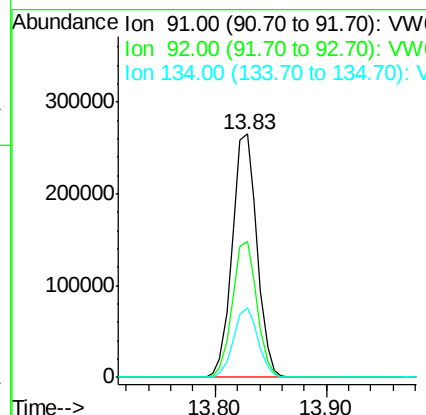
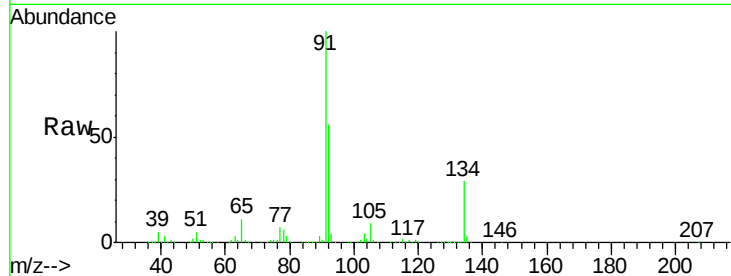




#89
n-Butylbenzene
Concen: 51.995 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

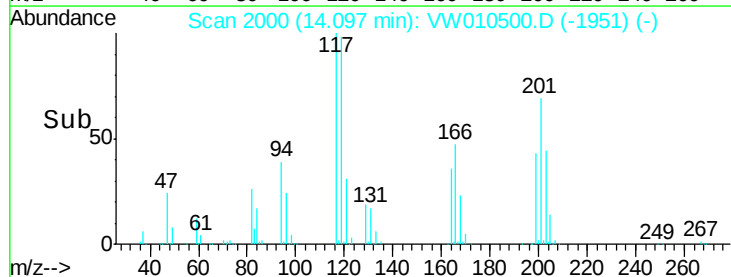
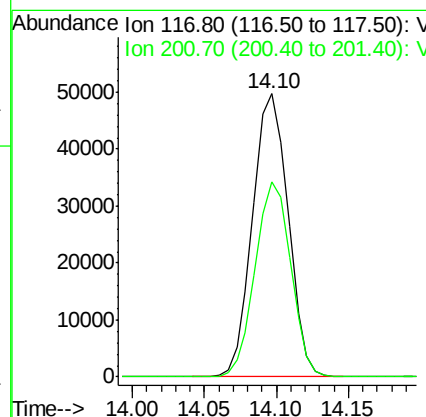
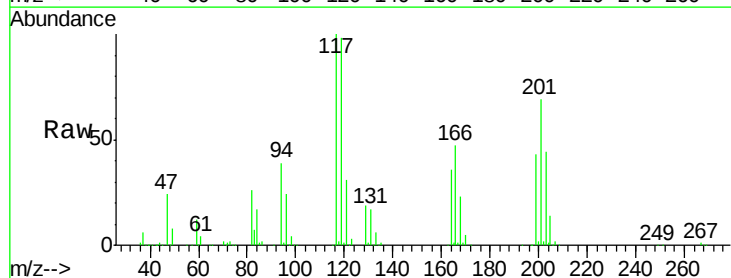
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

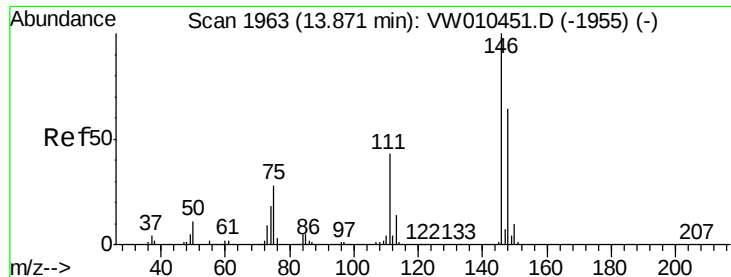
Tot Ion: 91 Resp: 405883
Ion Ratio Lower Upper
91 100
92 55.5 27.7 83.1
134 28.3 13.9 41.6



#90
Hexachloroethane
Concen: 53.427 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 117 Resp: 84869
Ion Ratio Lower Upper
117 100
201 69.1 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 51.637 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

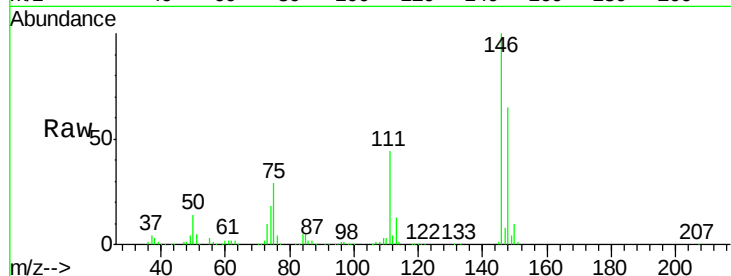
Tot Ion:146 Resp: 180910

Ion Ratio Lower Upper

146 100

111 42.6 21.3 64.0

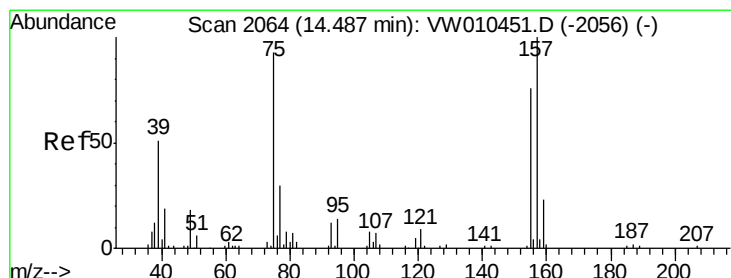
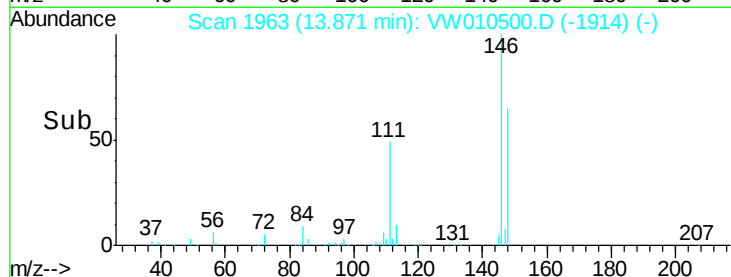
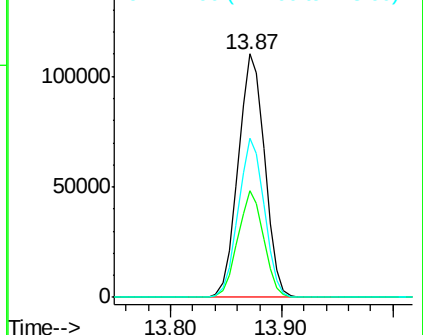
148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.539 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

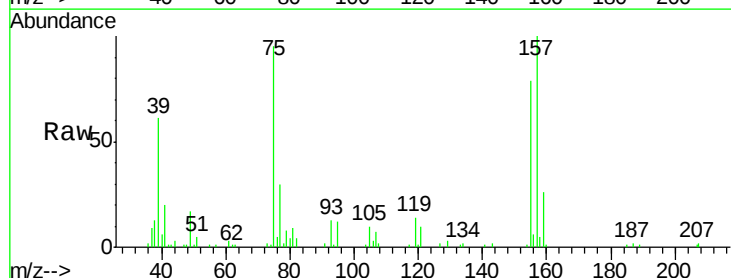
Tgt Ion: 75 Resp: 12600

Ion Ratio Lower Upper

75 100

155 87.9 43.0 129.0

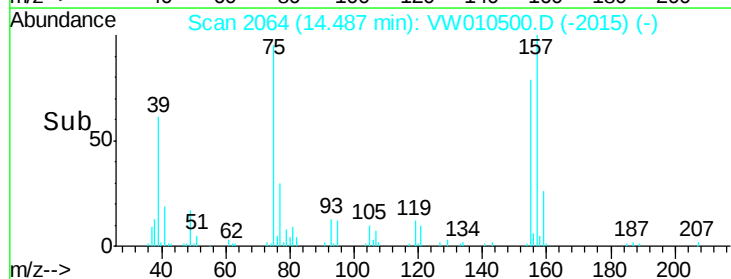
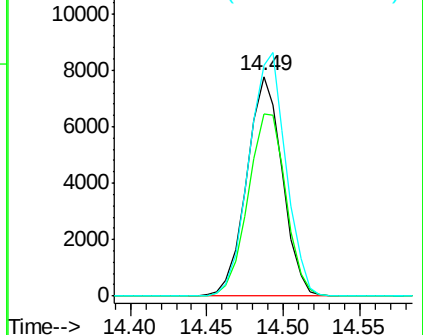
157 114.5 55.7 167.1

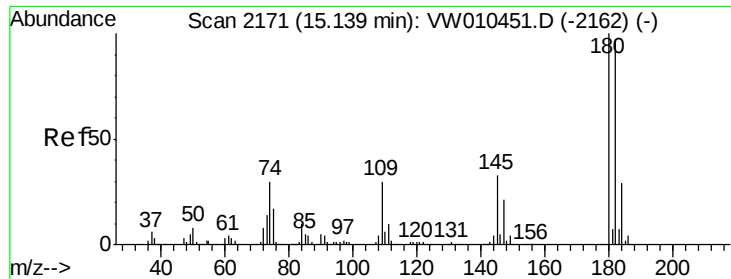


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

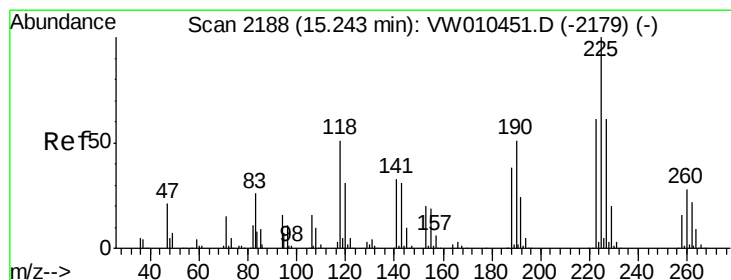
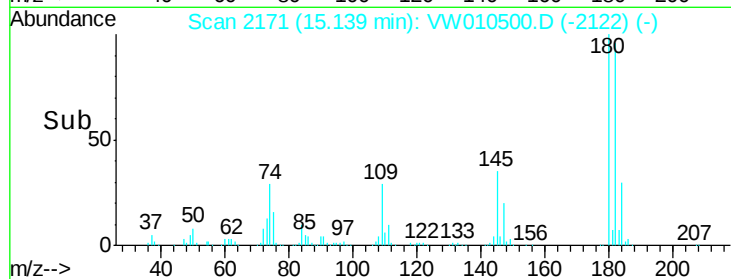
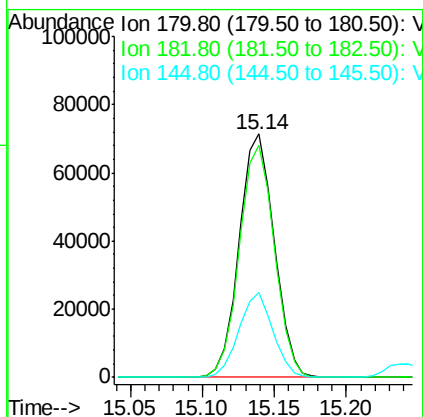
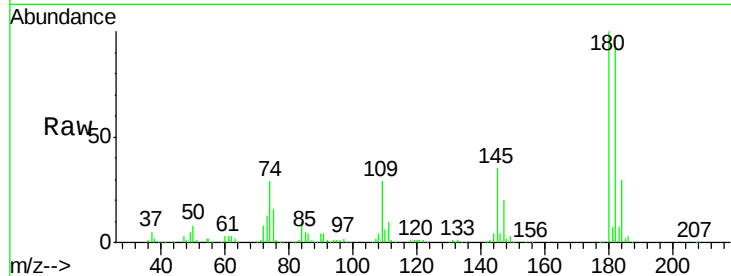




#93
 1,2,4-Trichlorobenzene
 Concen: 50.486 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

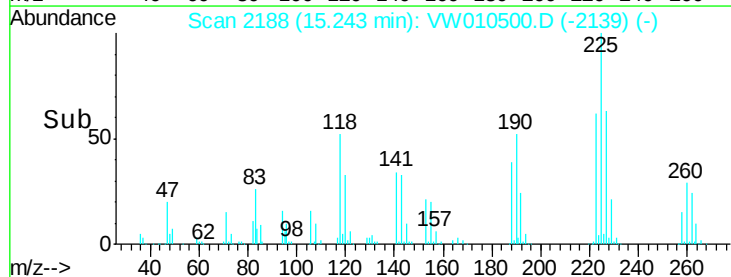
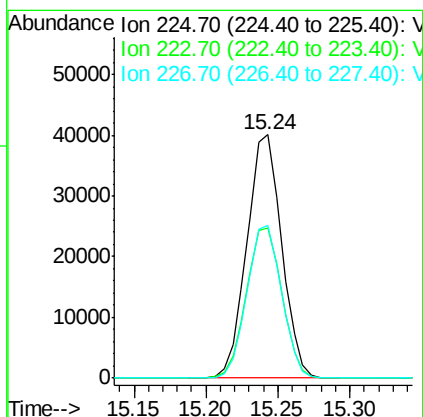
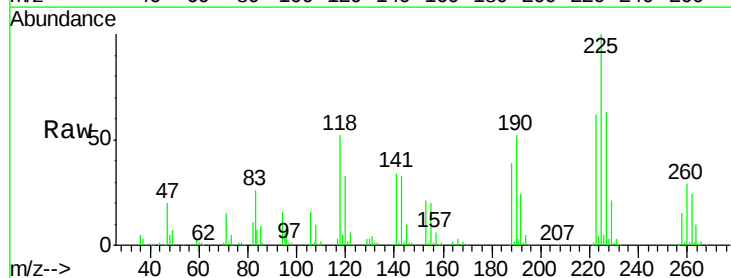
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

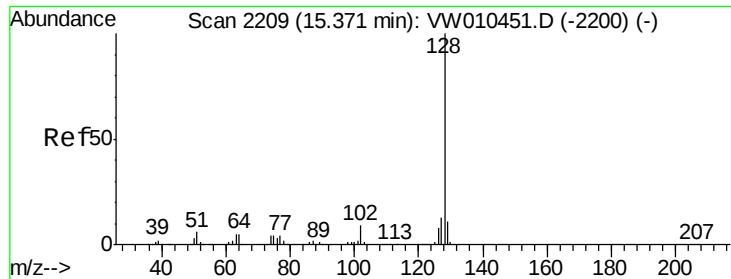
Tot Ion:180 Resp: 120345
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.0 141.2
 145 33.9 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 52.487 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion:225 Resp: 66840
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.2
 227 62.7 31.1 93.5

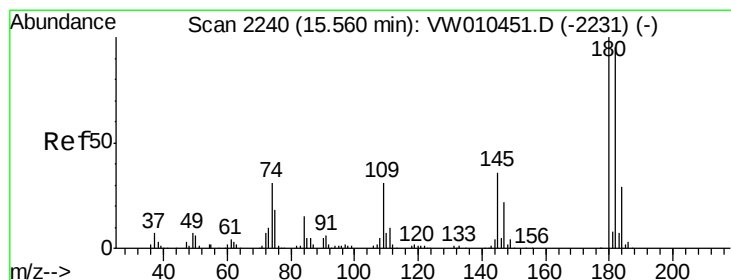
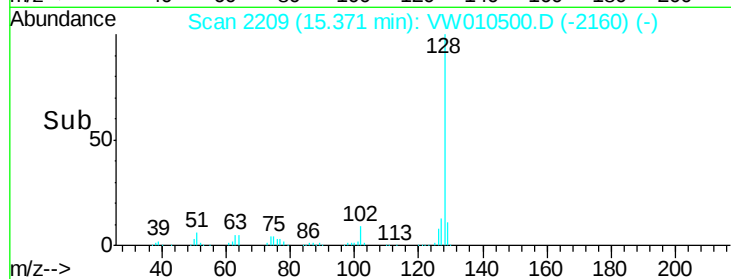
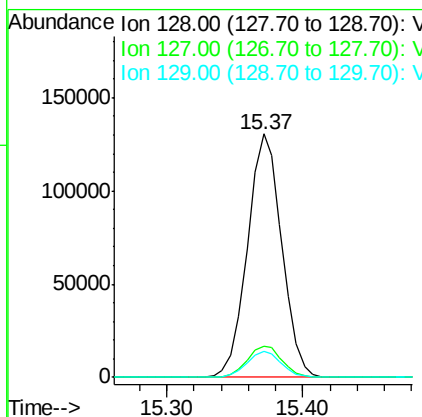
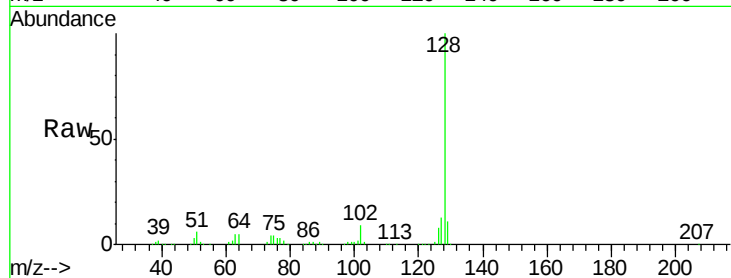




#95
Naphthalene
Concen: 46.034 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.112 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	35.4	17.4	52.3

