

Data File : VW010650.D
Acq On : 31 May 2019 21:53
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 01 04:55:32 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	164502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	276591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125593	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	85577	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.88	113	90881	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	10.32	98	334950	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	131556	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	64189	43.764	ug/l 98
3) Chloromethane	2.21	50	70661	40.883	ug/l 100
4) Vinyl Chloride	2.35	62	80221	40.070	ug/l 99
5) Bromomethane	2.75	94	59081	42.897	ug/l 93
6) Chloroethane	2.90	64	57406	44.668	ug/l 99
7) Trichlorofluoromethane	3.25	101	145761	49.315	ug/l 98
8) Diethyl Ether	3.68	74	49382	52.706	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90470	49.702	ug/l 95
10) Methyl Iodide	4.26	142	98973	47.571	ug/l 97
11) Tert butyl alcohol	5.17	59	40012	261.981	ug/l 98
12) 1,1-Dichloroethene	4.03	96	86370	49.707	ug/l 97
13) Acrolein	3.89	56	20898	233.339	ug/l 96
14) Allyl chloride	4.67	41	119915	47.677	ug/l 99
15) Acrylonitrile	5.37	53	99454	253.457	ug/l 98
16) Acetone	4.12	43	79598	229.662	ug/l 96
17) Carbon Disulfide	4.37	76	221241	42.688	ug/l 99
18) Methyl Acetate	4.67	43	45949	54.207	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	236840	53.467	ug/l 99
20) Methylene Chloride	4.91	84	94322	45.973	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	102313	51.335	ug/l 96
22) Diisopropyl ether	6.31	45	260371	50.487	ug/l 97
23) Vinyl Acetate	6.26	43	759760	246.626	ug/l 99
24) 1,1-Dichloroethane	6.21	63	160897	52.280	ug/l 99
25) 2-Butanone	7.17	43	129592	261.275	ug/l 100
26) 2,2-Dichloropropane	7.17	77	136356	46.513	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	115847	53.465	ug/l 96
28) Bromochloromethane	7.51	49	60555	54.956	ug/l 90
29) Tetrahydrofuran	7.52	42	84069	250.481	ug/l 98
30) Chloroform	7.67	83	177446	53.454	ug/l 99
31) Cyclohexane	7.95	56	139515	43.277	ug/l 93
32) 1,1,1-Trichloroethane	7.87	97	160326	50.531	ug/l 98
36) 1,1-Dichloropropene	8.08	75	129968	50.442	ug/l 98
37) Ethyl Acetate	7.25	43	56708	51.756	ug/l 97
38) Carbon Tetrachloride	8.07	117	142679	51.333	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170425	49.370	ug/l	98
40) Benzene	8.32	78	382949	53.473	ug/l	99
41) Methacrylonitrile	7.48	41	32404	49.774	ug/l	96
42) 1,2-Dichloroethane	8.40	62	110639	54.054	ug/l	99
43) Isopropyl Acetate	8.42	43	112289	51.298	ug/l	99
44) Trichloroethene	9.09	130	118101	55.549	ug/l	98
45) 1,2-Dichloropropane	9.37	63	92246	54.236	ug/l	98
46) Dibromomethane	9.46	93	54908	55.202	ug/l	93
47) Bromodichloromethane	9.65	83	134100	53.648	ug/l	99
48) Methyl methacrylate	9.43	41	50279	50.208	ug/l	95
49) 1,4-Dioxane	9.45	88	17495	1076.697	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	295370	266.294	ug/l	99
52) Toluene	10.39	92	260090	54.079	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	130525	51.559	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	152269	52.667	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	81562	57.022	ug/l	96
56) Ethyl methacrylate	10.65	69	104871	53.161	ug/l	98
57) 1,3-Dichloropropane	10.93	76	133011	55.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	243115	278.236	ug/l	97
59) 2-Hexanone	10.97	43	204108	257.961	ug/l	98
60) Dibromochloromethane	11.13	129	101374	55.999	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81891	56.518	ug/l	98
64) Tetrachloroethene	10.87	164	108237	62.866	ug/l	94
65) Chlorobenzene	11.66	112	292836	55.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	106371	56.412	ug/l	99
67) Ethyl Benzene	11.73	91	493418	53.093	ug/l	98
68) m/p-Xylenes	11.84	106	390308	107.075	ug/l	98
69) o-Xylene	12.16	106	187139	54.186	ug/l	98
70) Styrene	12.18	104	321330	54.836	ug/l	98
71) Bromoform	12.35	173	57816	55.679	ug/l #	99
73) Isopropylbenzene	12.47	105	498692	50.038	ug/l	100
74) N-amyl acetate	12.27	43	108106	47.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	92369	50.956	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	111610	87.548	ug/l	31
77) Bromobenzene	12.75	156	125330	56.195	ug/l	94
78) n-propylbenzene	12.80	91	564863	48.635	ug/l	98
79) 2-Chlorotoluene	12.90	91	337245	50.070	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	423384	50.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	26328	43.101	ug/l	98
82) 4-Chlorotoluene	12.99	91	348702	49.878	ug/l	98
83) tert-Butylbenzene	13.21	119	383152	51.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	422766	50.289	ug/l	100
85) sec-Butylbenzene	13.38	105	508272	49.260	ug/l	99
86) p-Isopropyltoluene	13.50	119	465453	49.838	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	233611	53.389	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	238209	54.260	ug/l	99
89) n-Butylbenzene	13.83	91	428199	48.202	ug/l	99
90) Hexachloroethane	14.10	117	88639	49.034	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	218050	54.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16713	49.584	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW053119\
Quantitation Report (Not Reviewed)

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VSTDCCC050EC

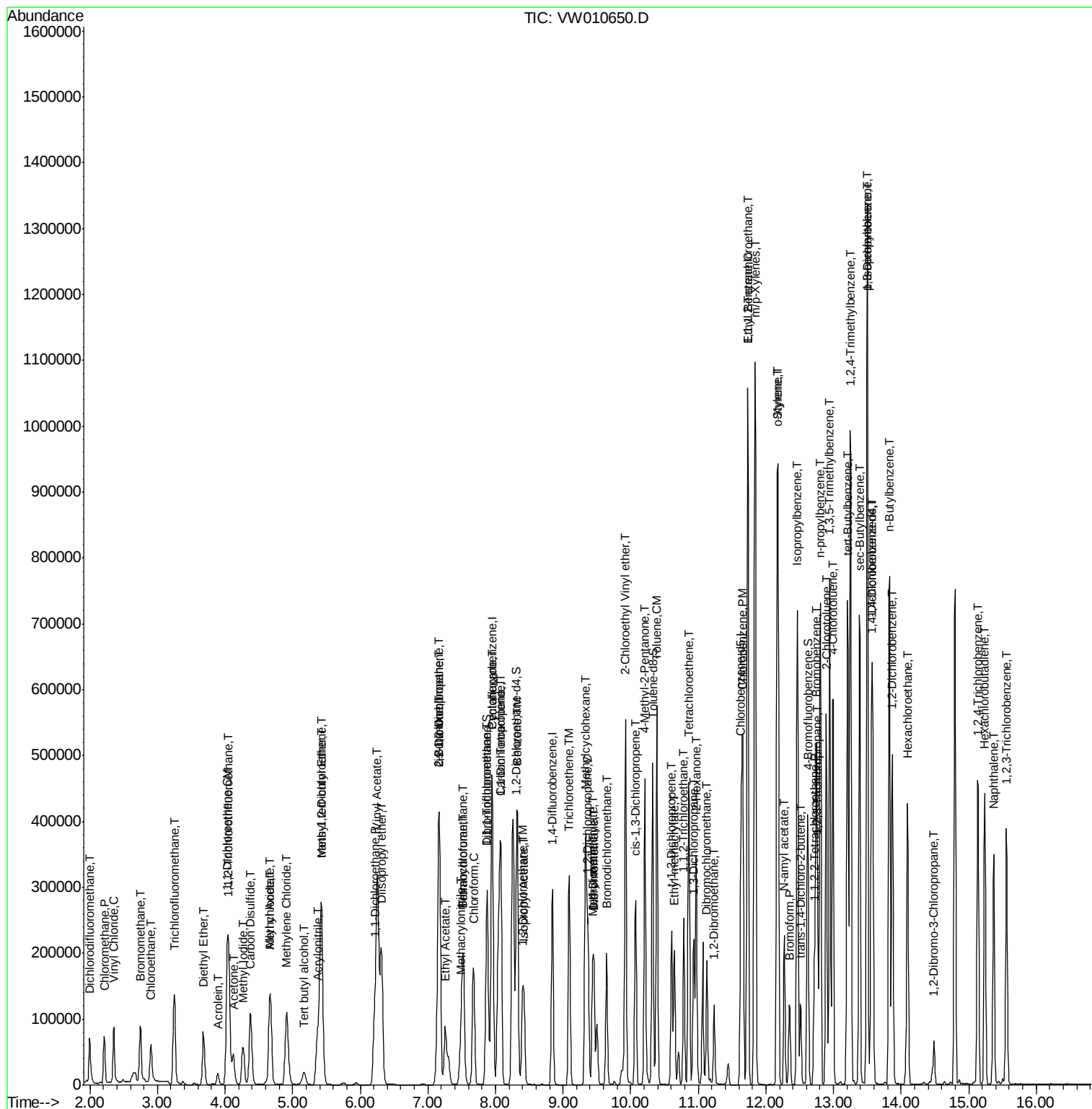
Quant Time: Jun 01 04:55:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
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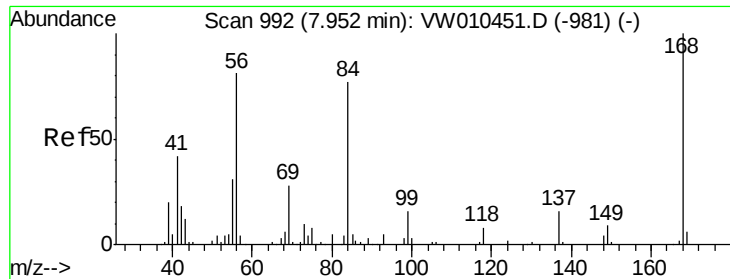
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	153855	56.718	ug/l	99
94) Hexachlorobutadiene	15.24	225	81888	56.507	ug/l	98
95) Naphthalene	15.37	128	314000	55.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134408	57.584	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010650.D

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Instrument :

MSVOA_W

ClientSampleId :

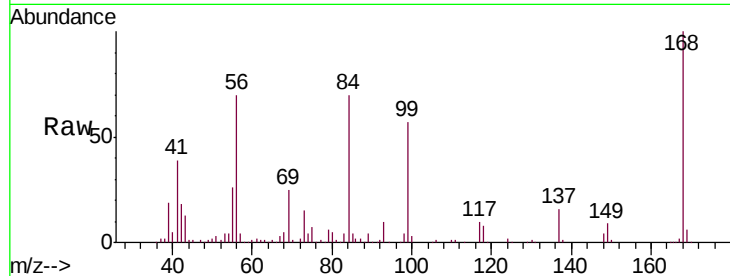
VSTDCCC050EC

Tgt Ion:168 Resp: 164502

Ion Ratio Lower Upper

168 100

99 56.5 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

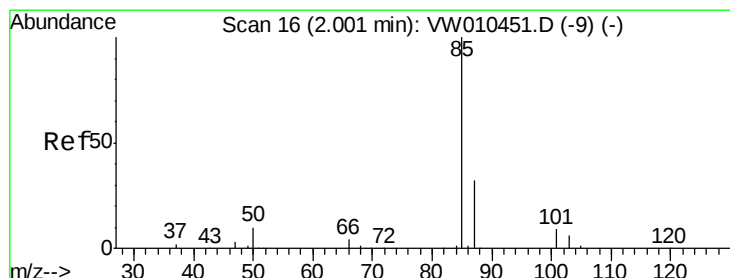
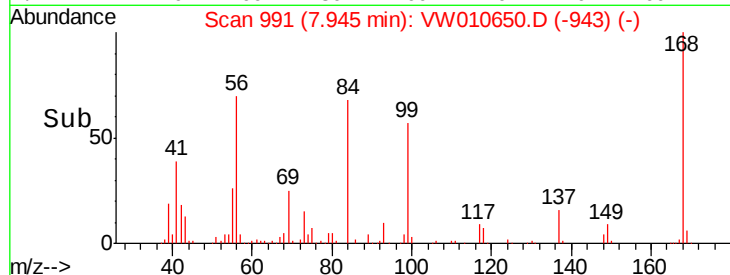
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 43.764 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010650.D

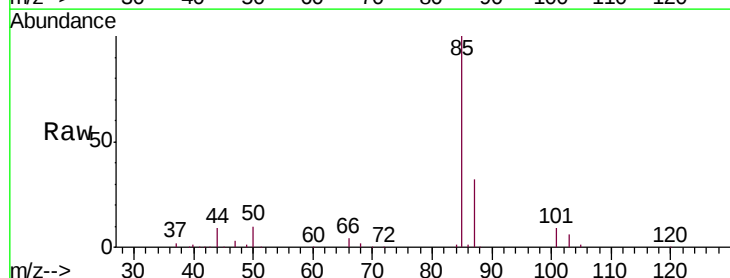
Acq: 31 May 2019 21:53

Tgt Ion: 85 Resp: 64189

Ion Ratio Lower Upper

85 100

87 31.7 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

40000

30000

20000

10000

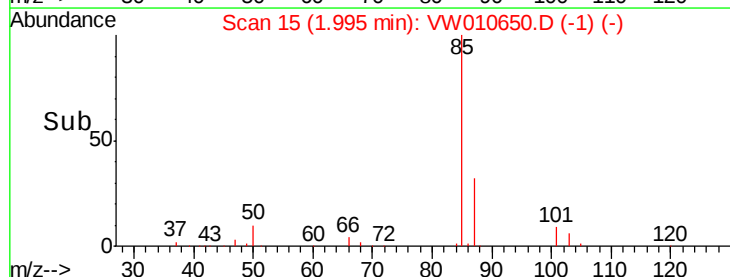
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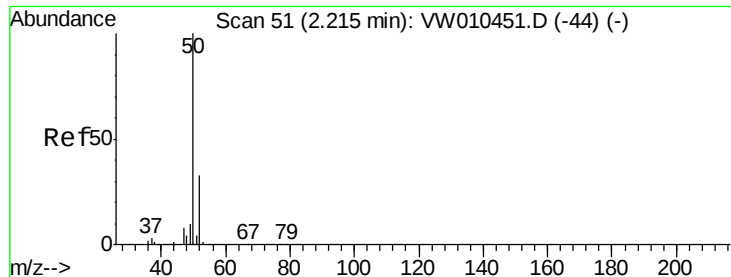
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 40.883 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

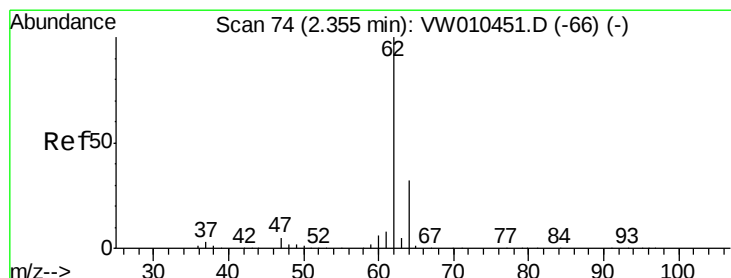
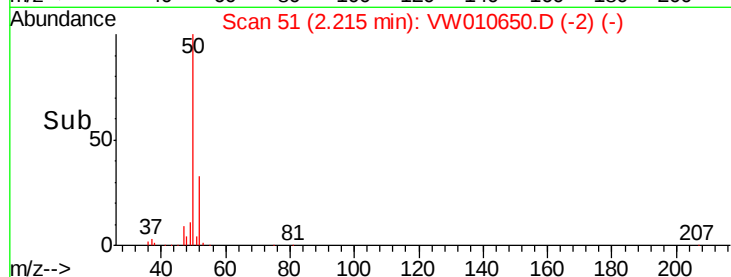
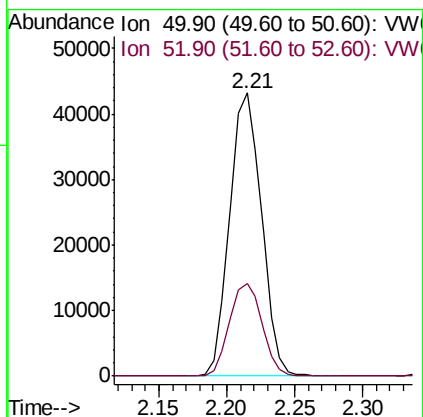
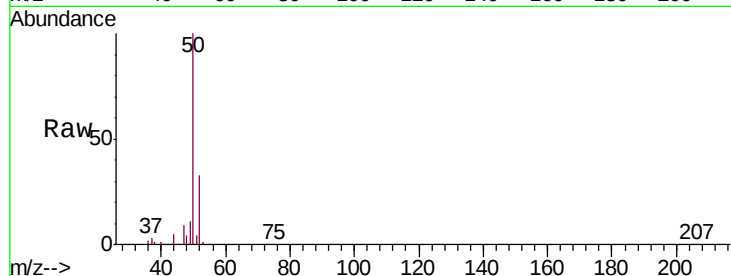
VSTDCCC050EC

Tgt Ion: 50 Resp: 70661

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 40.070 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010650.D

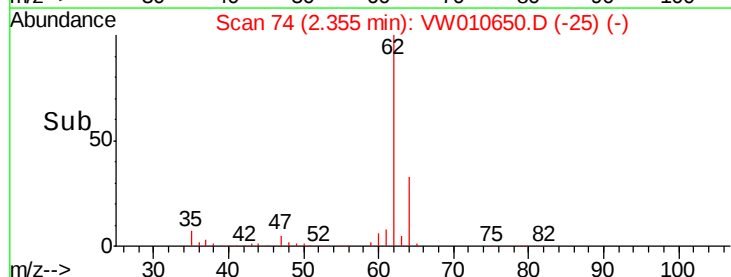
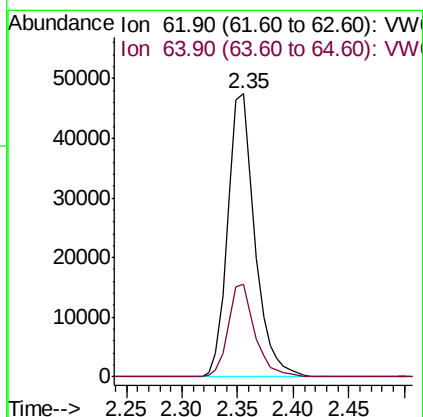
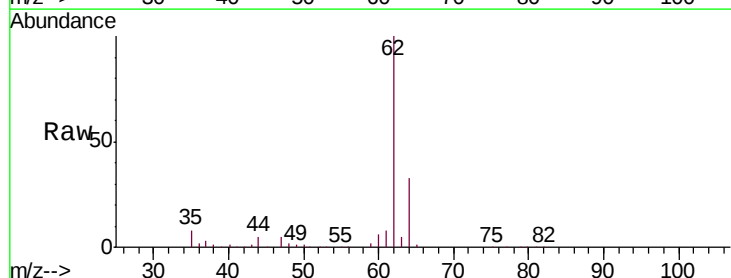
Acq: 31 May 2019 21:53

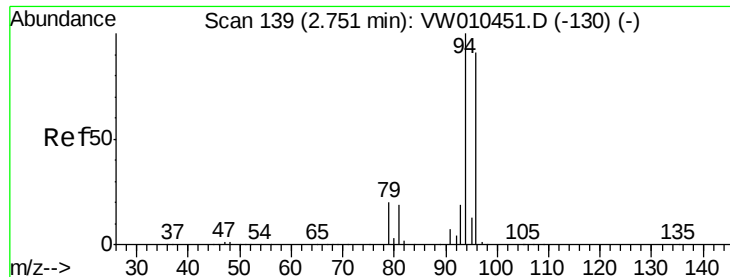
Tgt Ion: 62 Resp: 80221

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8





#5

Bromomethane

Concen: 42.897 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

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ClientSampleId :

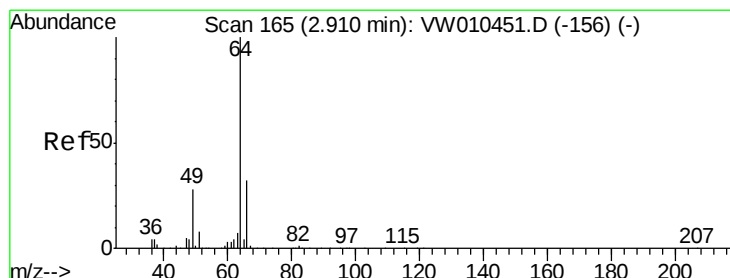
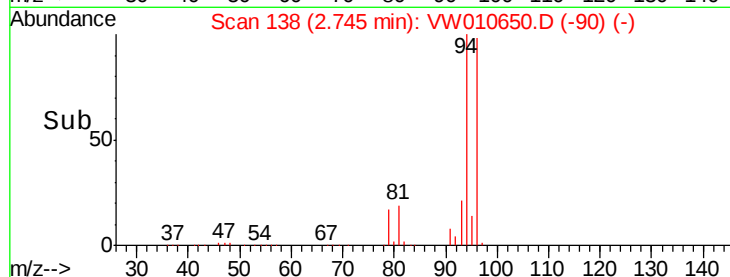
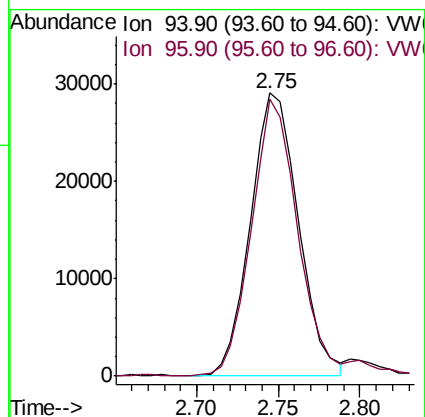
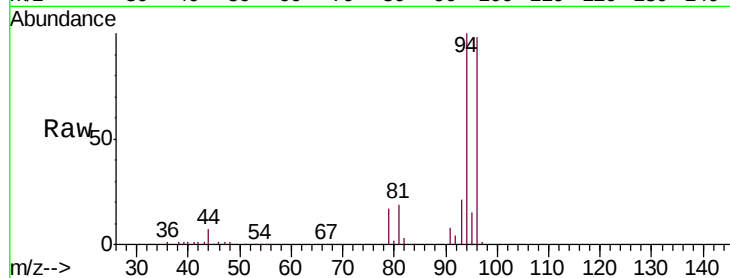
VSTDCCC050EC

Tgt Ion: 94 Resp: 59081

Ion Ratio Lower Upper

94 100

96 97.9 72.9 109.3



#6

Chloroethane

Concen: 44.668 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010650.D

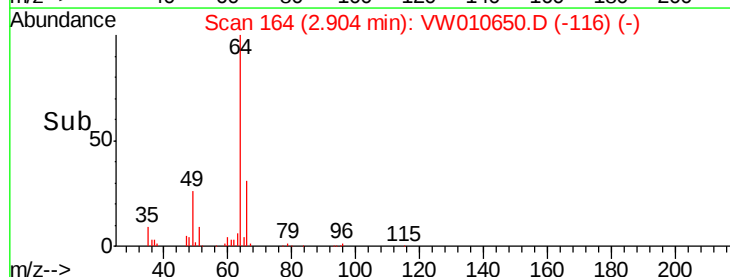
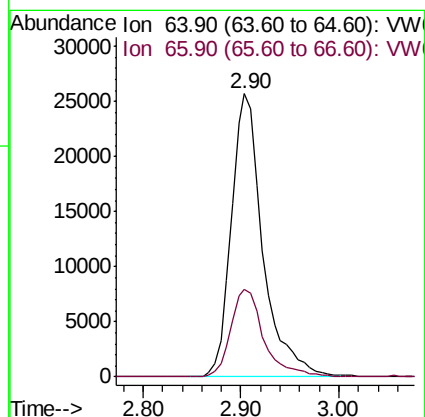
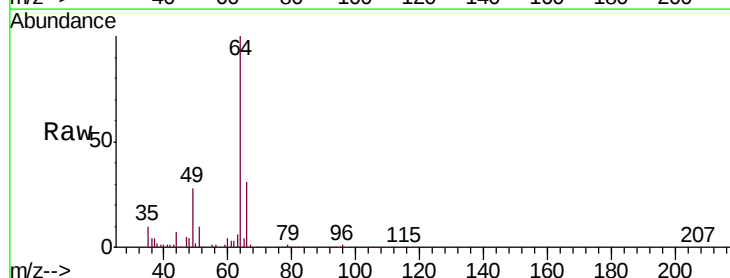
Acq: 31 May 2019 21:53

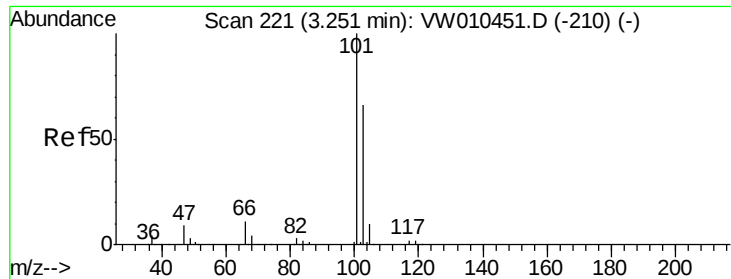
Tgt Ion: 64 Resp: 57406

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



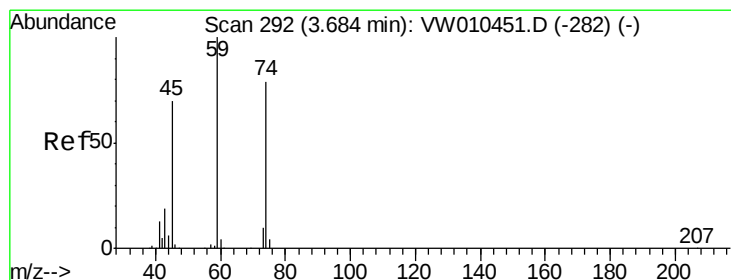
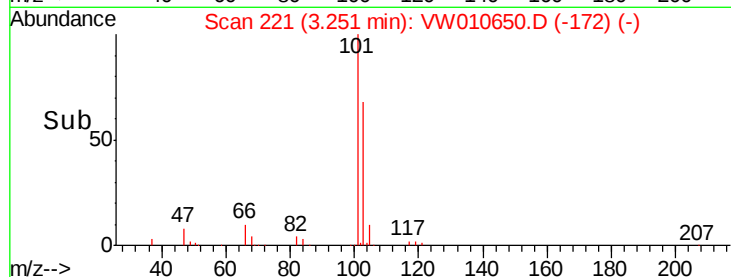
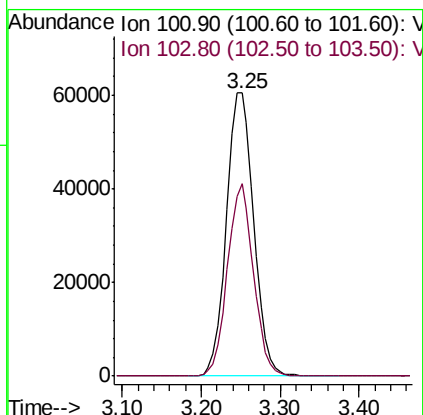
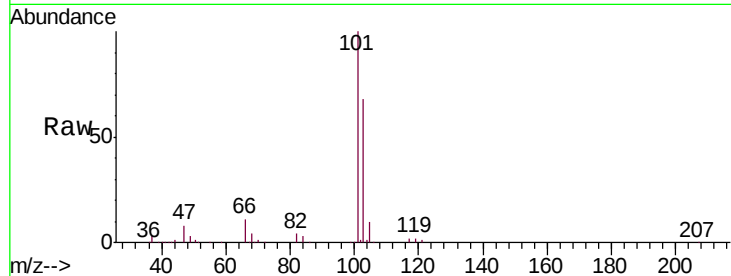


#7

Trichlorofluoromethane
 Concen: 49.315 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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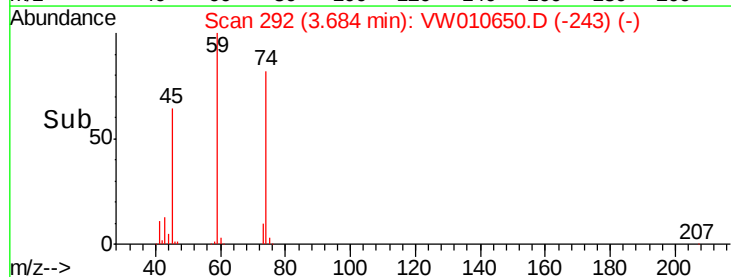
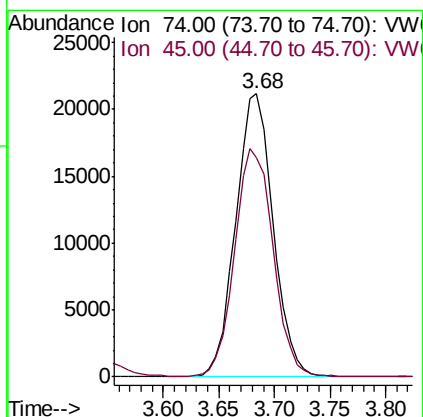
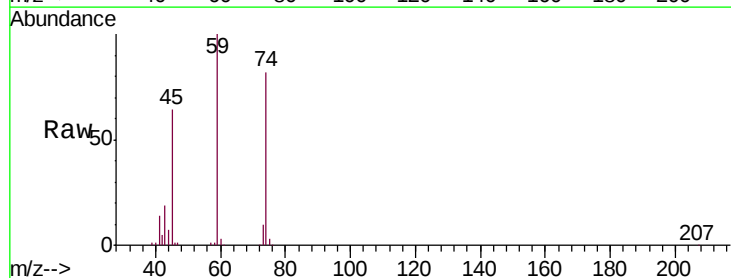
Tgt Ion:101 Resp: 145761
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.0 79.4

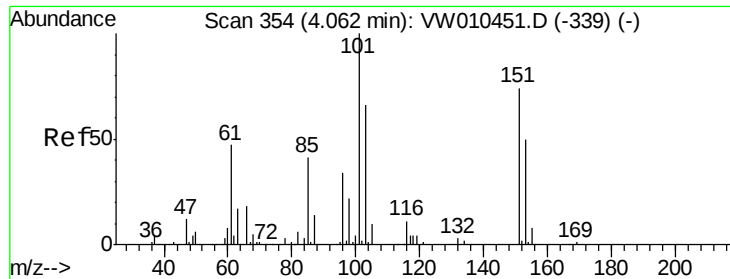


#8

Diethyl Ether
 Concen: 52.706 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 74 Resp: 49382
 Ion Ratio Lower Upper
 74 100
 45 83.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.702 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

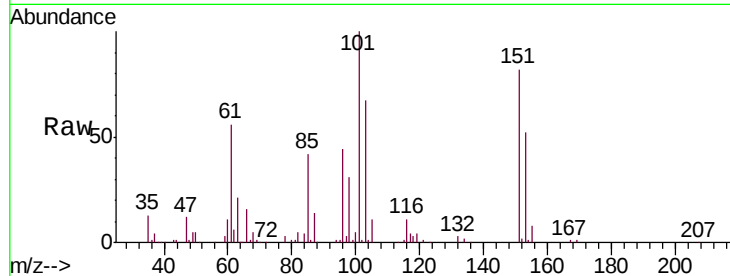
Tgt Ion:101 Resp: 90470

Ion Ratio Lower Upper

101 100

85 41.7 34.3 51.5

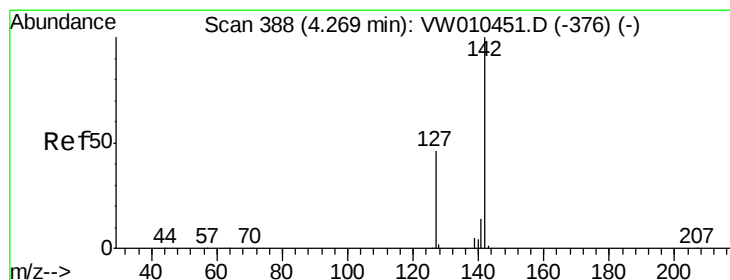
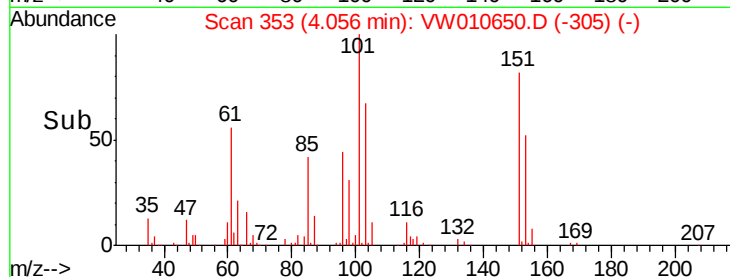
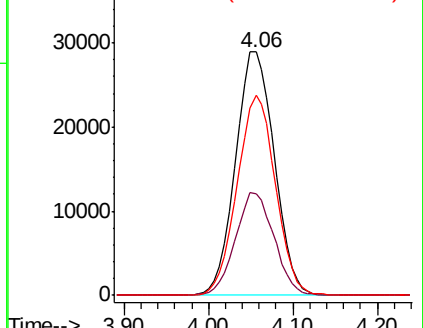
151 81.0 60.3 90.5



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: 47.571 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

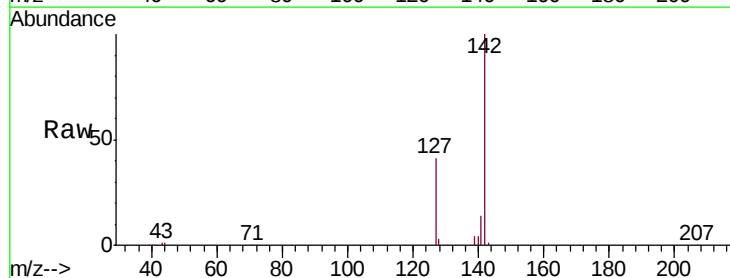
Tgt Ion:142 Resp: 98973

Ion Ratio Lower Upper

142 100

127 42.5 36.1 54.1

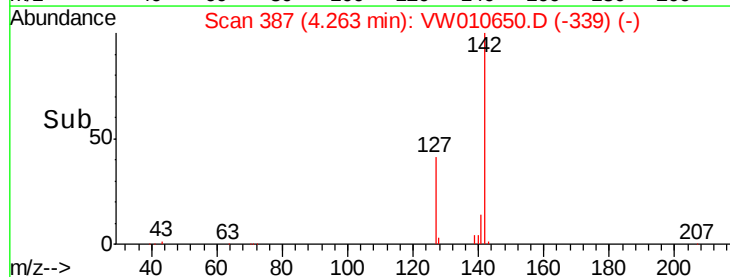
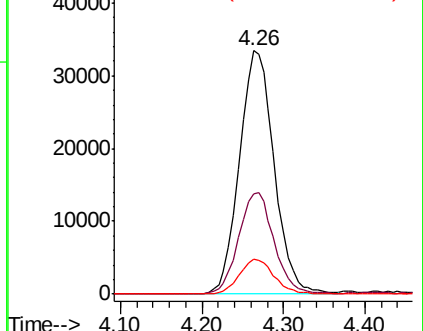
141 14.2 11.3 16.9

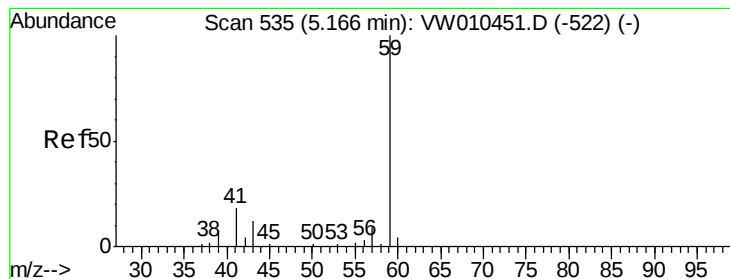


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



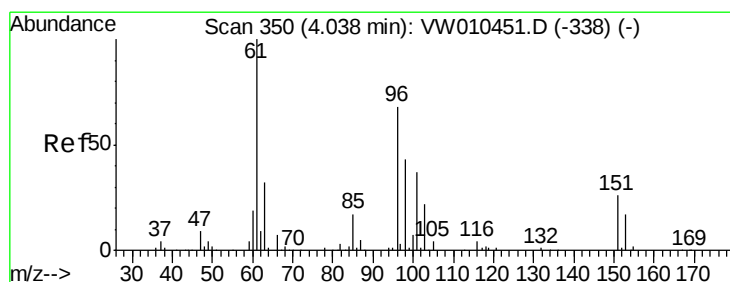
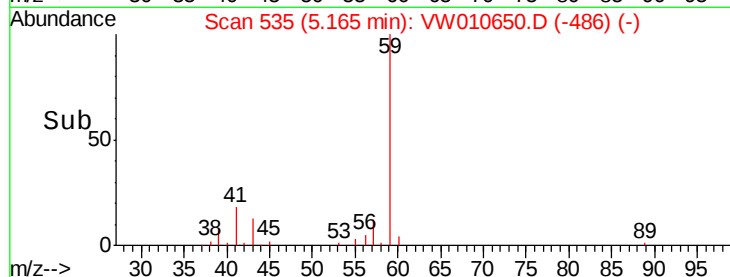
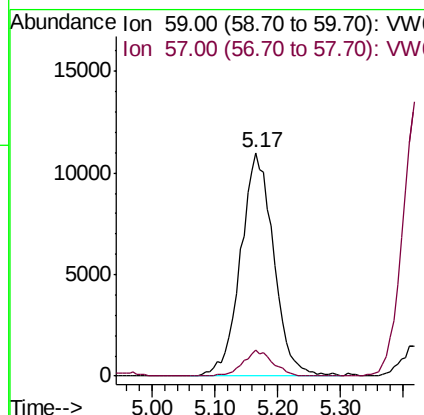
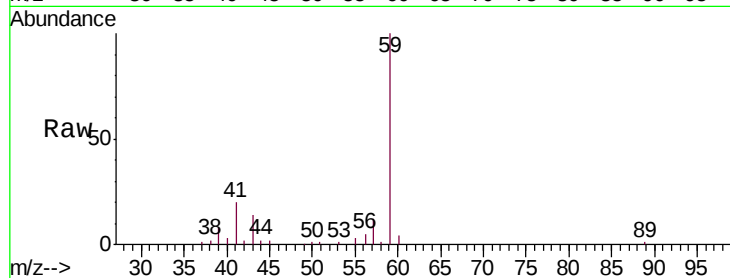


#11

Tert butyl alcohol
 Concen: 261.981 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

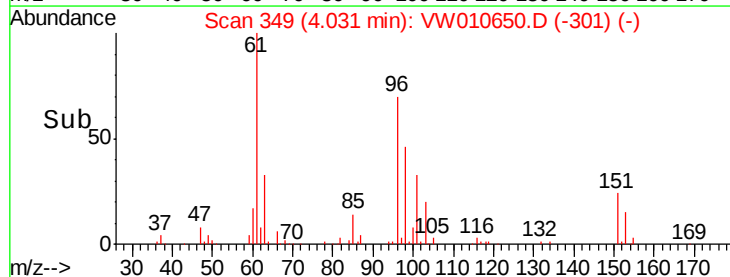
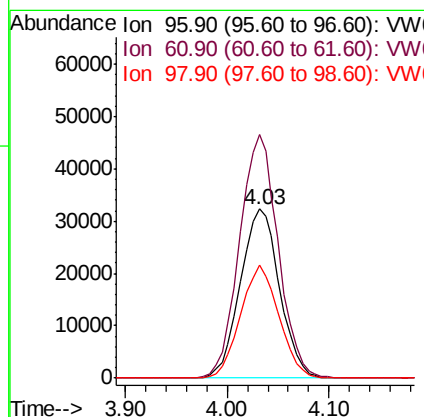
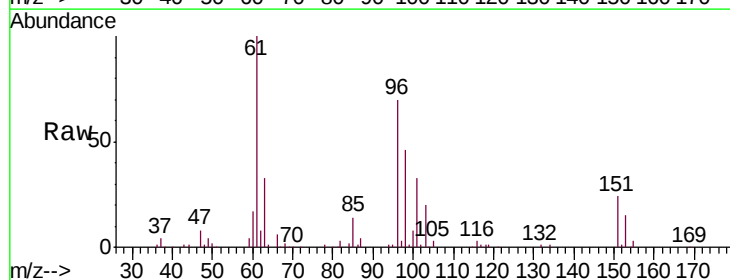
Tgt Ion: 59 Resp: 40012
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.8 13.2

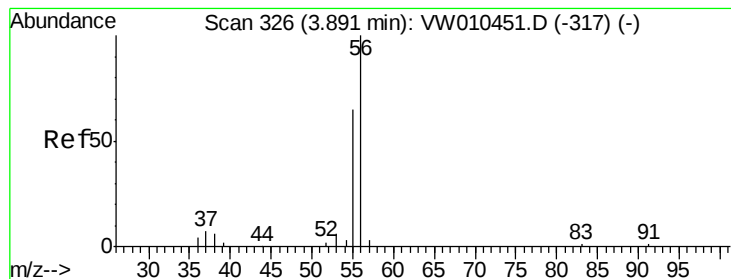


#12

1,1-Dichloroethene
 Concen: 49.707 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 96 Resp: 86370
 Ion Ratio Lower Upper
 96 100
 61 143.9 118.3 177.5
 98 66.5 51.0 76.6





#13

Acrolein

Concen: 233.339 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

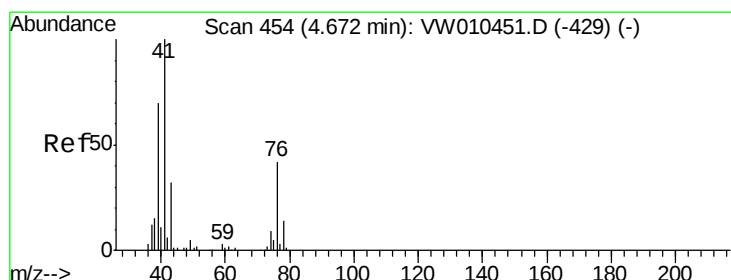
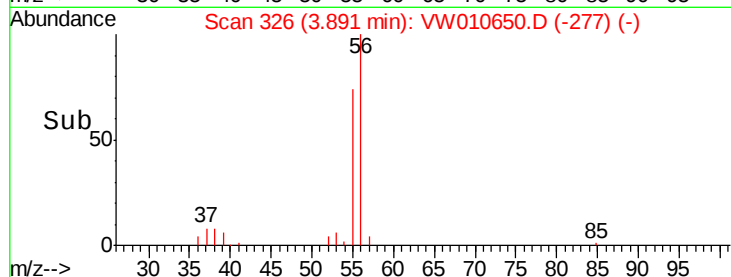
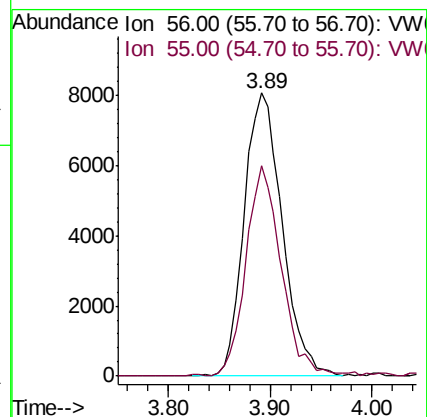
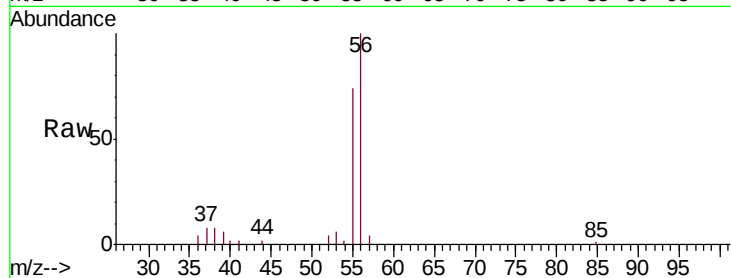
VSTDCCC050EC

Tgt Ion: 56 Resp: 20898

Ion Ratio Lower Upper

56 100

55 68.9 57.9 86.9



#14

Allyl chloride

Concen: 47.677 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

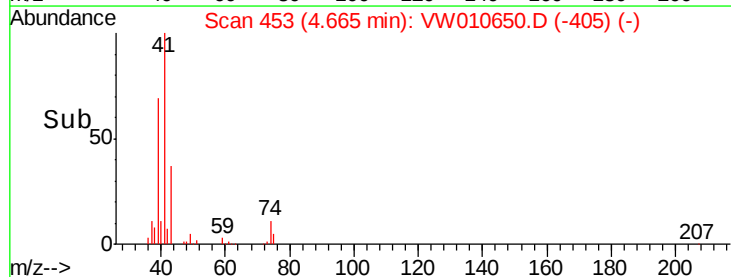
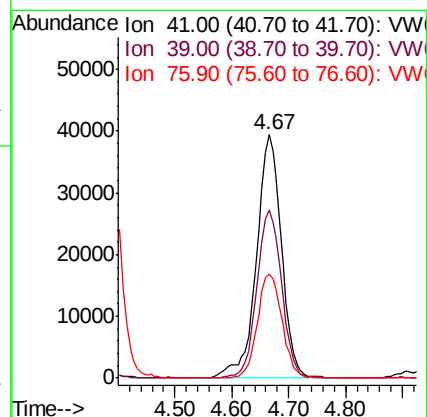
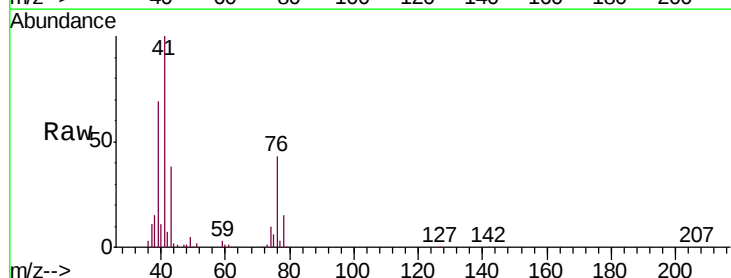
Tgt Ion: 41 Resp: 119915

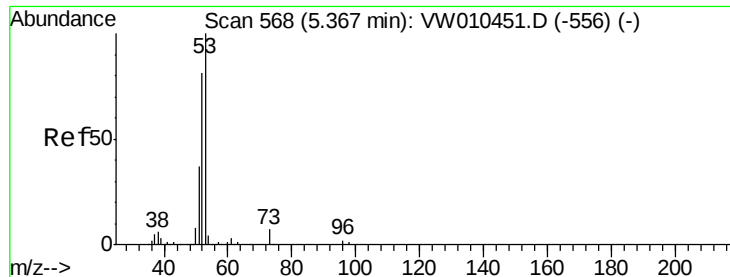
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.4

76 42.1 32.8 49.2





#15

Acrylonitrile

Concen: 253.457 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

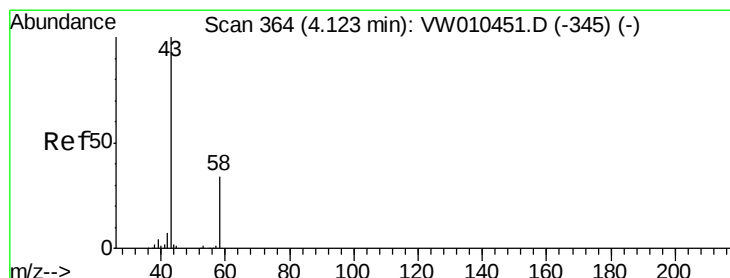
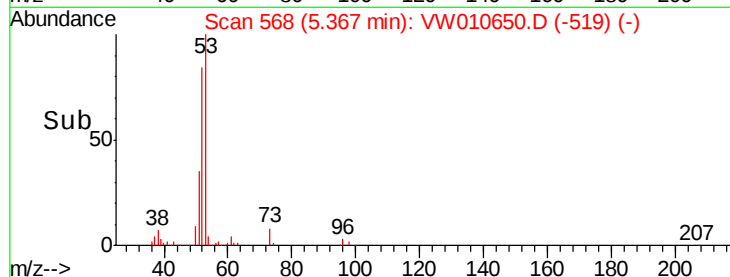
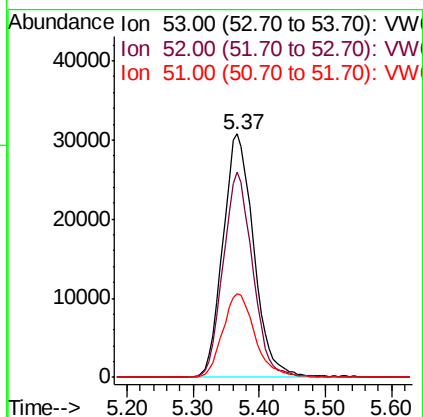
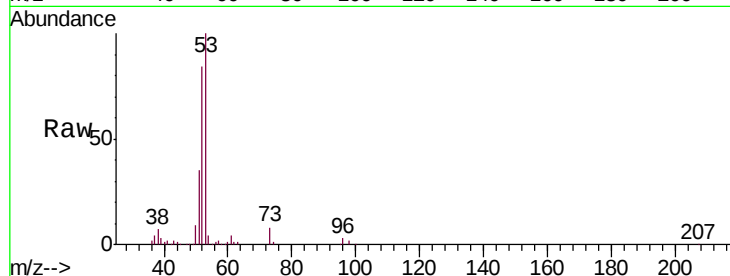
Tgt Ion: 53 Resp: 99454

Ion Ratio Lower Upper

53 100

52 80.2 65.6 98.4

51 35.9 29.5 44.3



#16

Acetone

Concen: 229.662 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010650.D

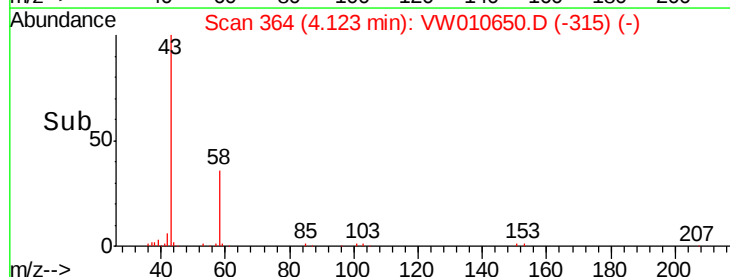
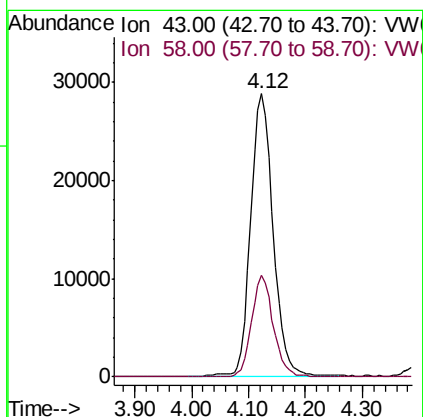
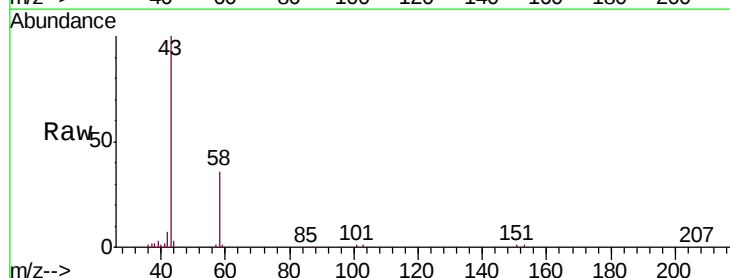
Acq: 31 May 2019 21:53

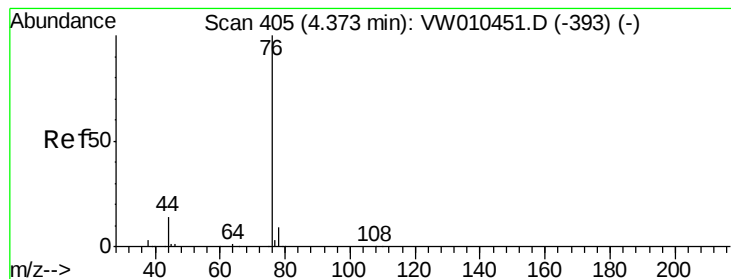
Tgt Ion: 43 Resp: 79598

Ion Ratio Lower Upper

43 100

58 36.0 27.0 40.4





#17

Carbon Disulfide

Concen: 42.688 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

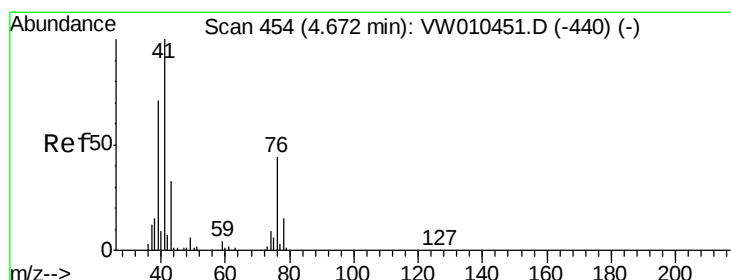
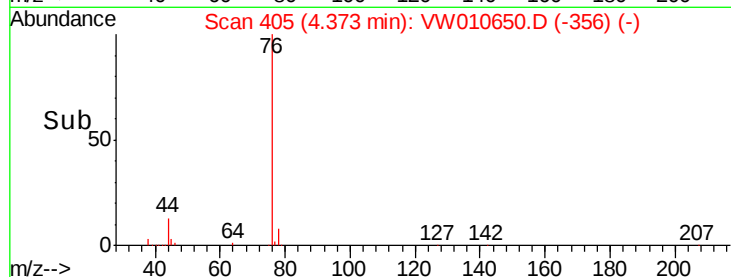
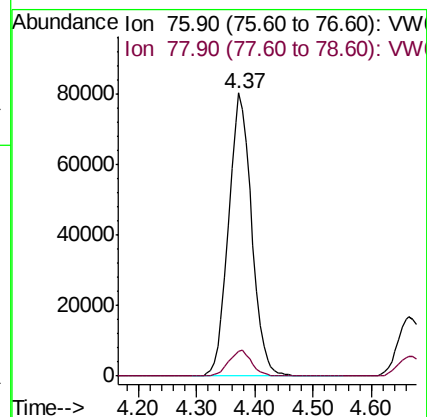
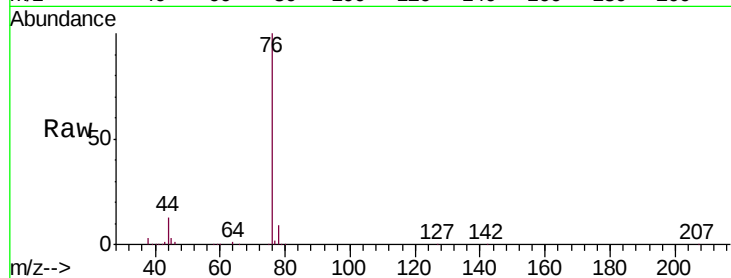
VSTDCCC050EC

Tgt Ion: 76 Resp: 221241

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 54.207 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010650.D

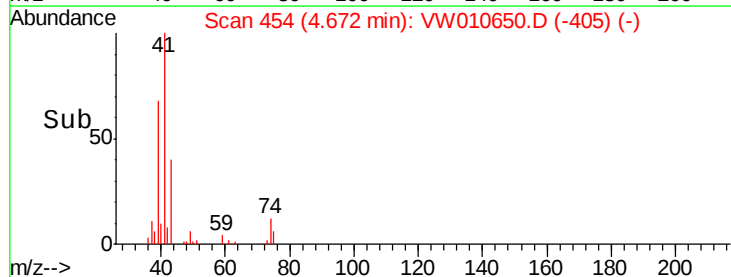
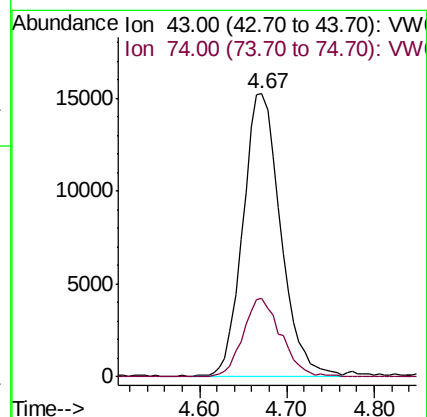
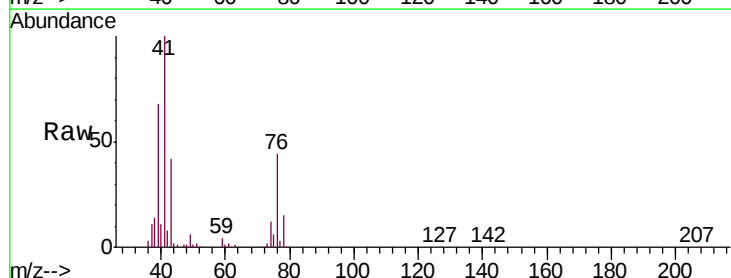
Acq: 31 May 2019 21:53

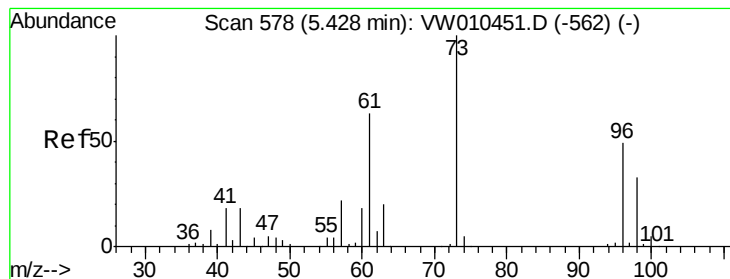
Tgt Ion: 43 Resp: 45949

Ion Ratio Lower Upper

43 100

74 27.8 21.6 32.4



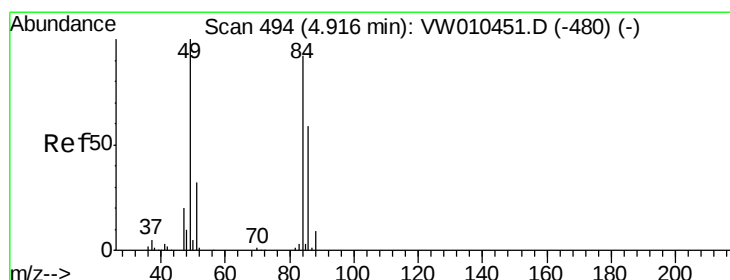
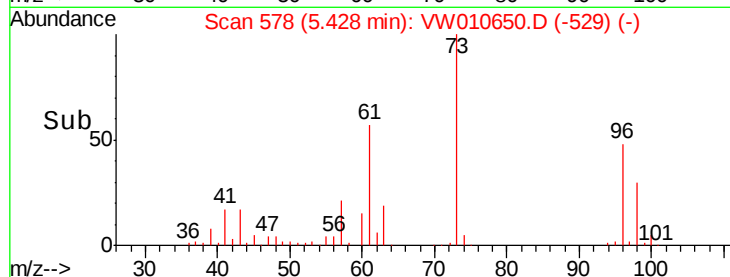
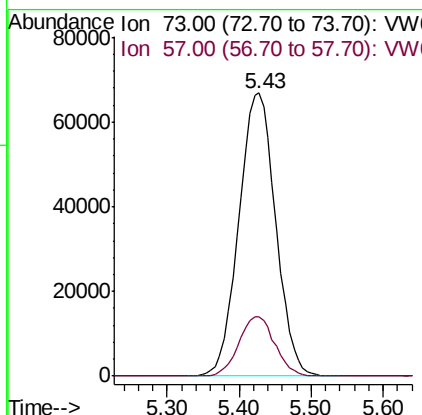
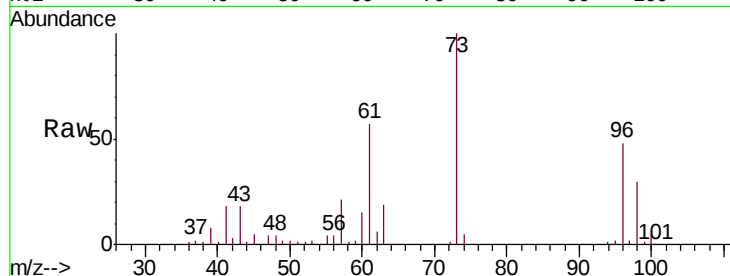


#19

Methyl tert-butyl Ether
 Concen: 53.467 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

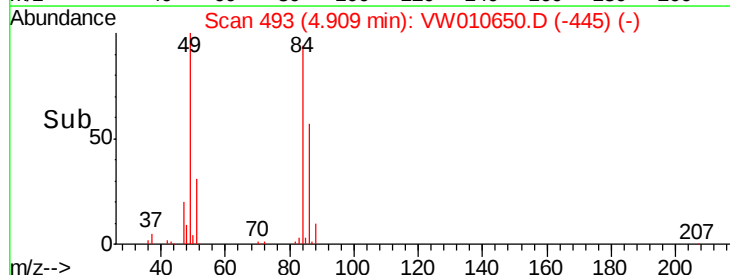
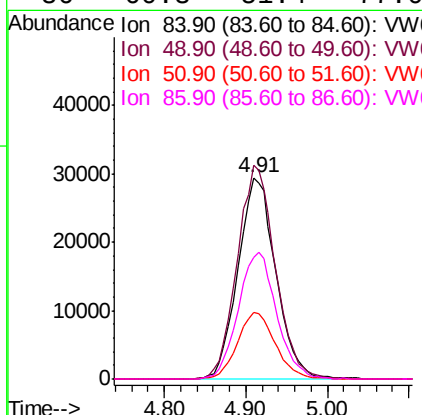
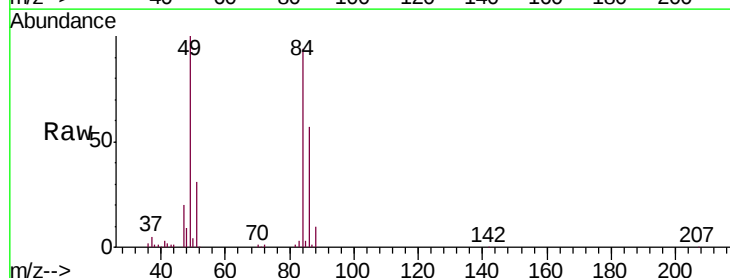
Tgt Ion: 73 Resp: 236840
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.4 26.0

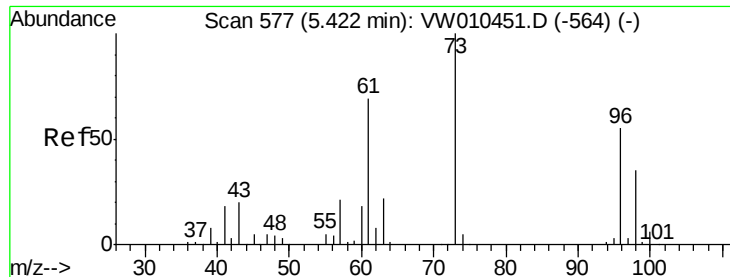


#20

Methylene Chloride
 Concen: 45.973 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 84 Resp: 94322
 Ion Ratio Lower Upper
 84 100
 49 106.2 87.2 130.8
 51 33.0 27.7 41.5
 86 60.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 51.335 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

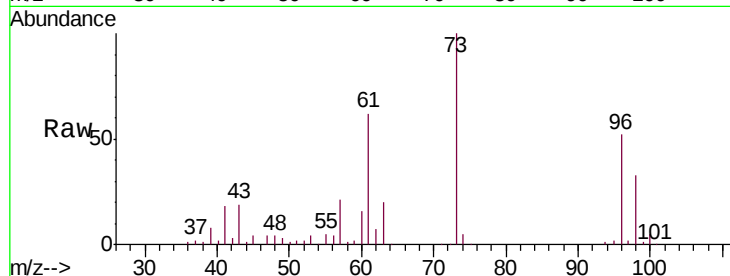
Tgt Ion: 96 Resp: 102313

Ion Ratio Lower Upper

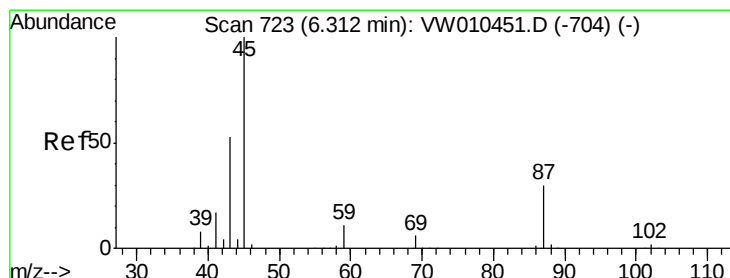
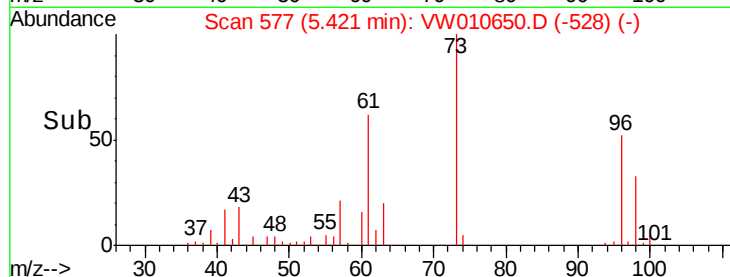
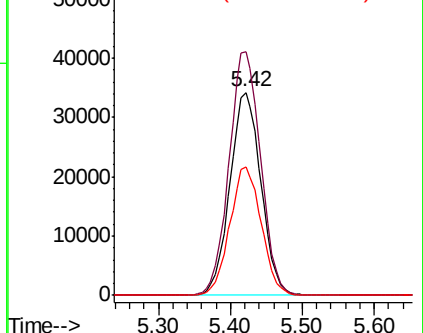
96 100

61 119.8 101.4 152.0

98 63.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 50.487 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion: 45 Resp: 260371

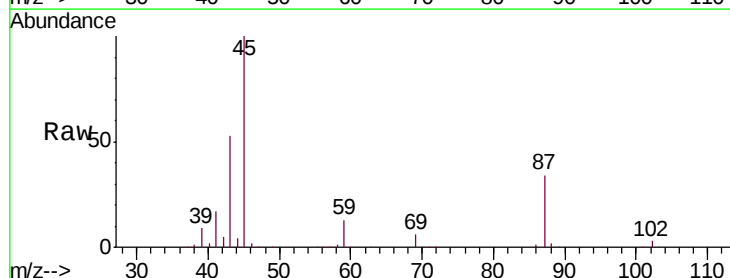
Ion Ratio Lower Upper

45 100

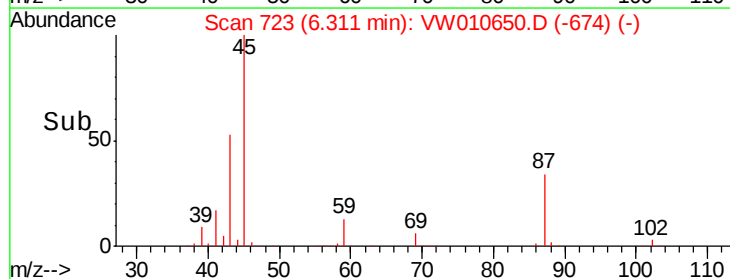
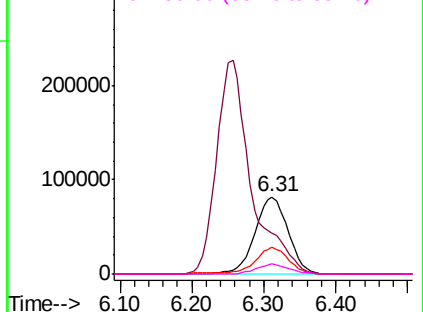
43 52.9 42.9 64.3

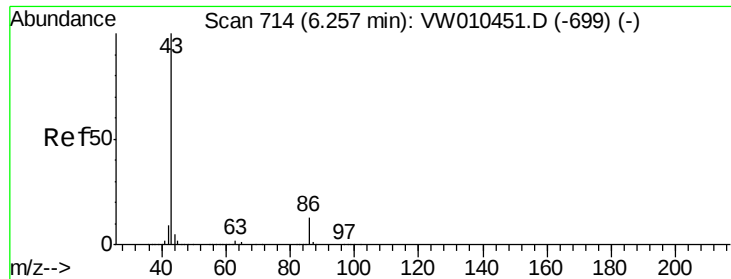
87 34.2 24.6 36.8

59 12.5 9.4 14.0



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





#23

Vinyl Acetate

Concen: 246.626 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

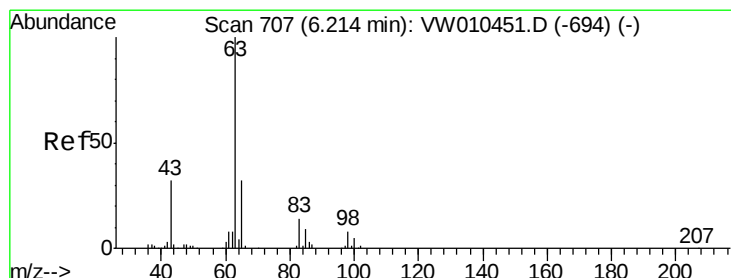
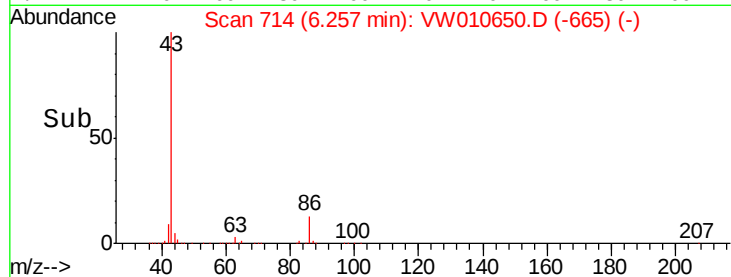
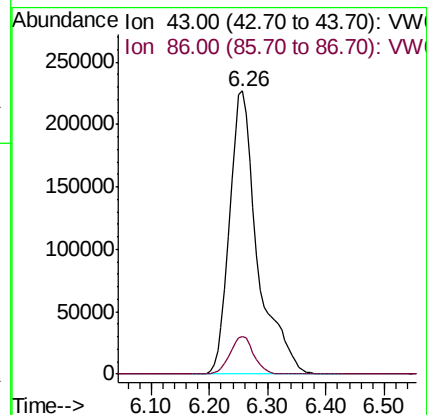
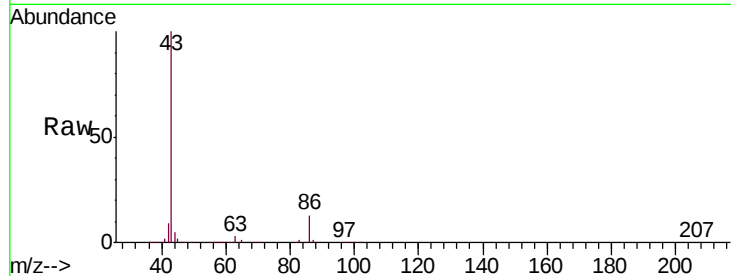
VSTDCCC050EC

Tgt Ion: 43 Resp: 759760

Ion Ratio Lower Upper

43 100

86 13.4 10.3 15.5



#24

1,1-Dichloroethane

Concen: 52.280 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

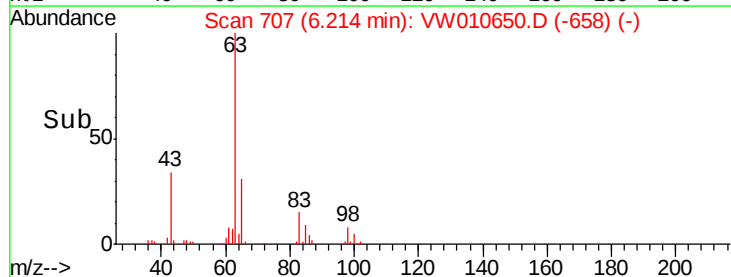
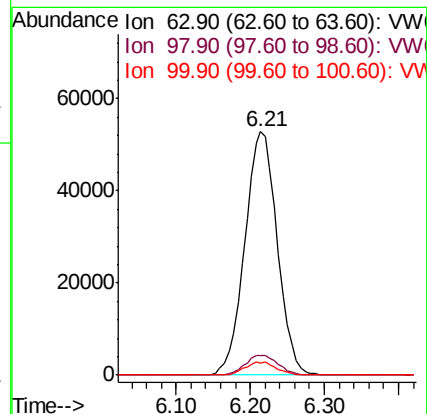
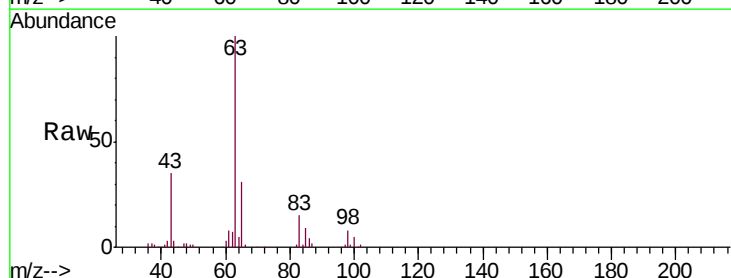
Tgt Ion: 63 Resp: 160897

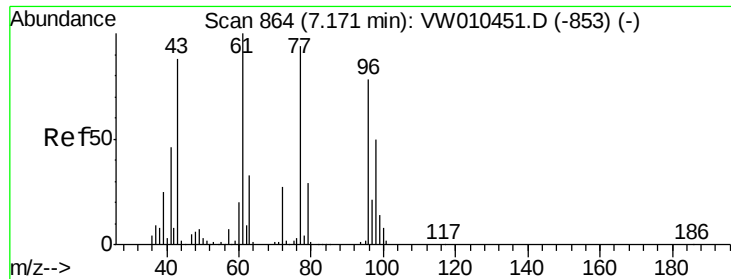
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 261.275 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

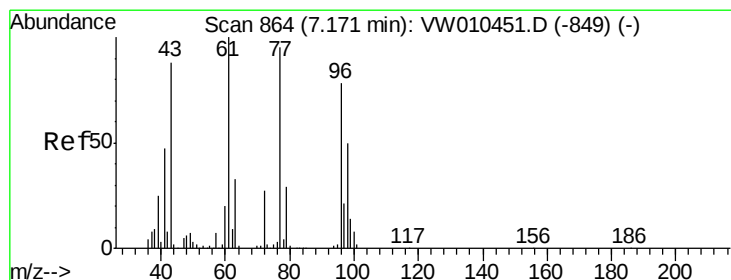
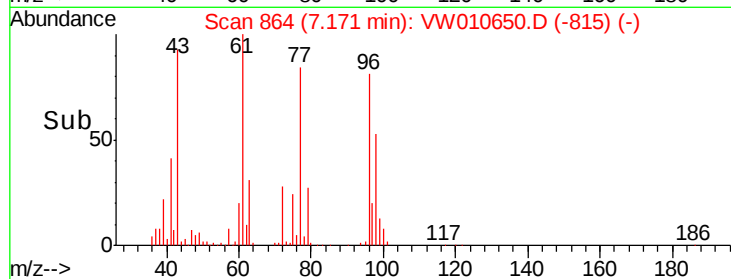
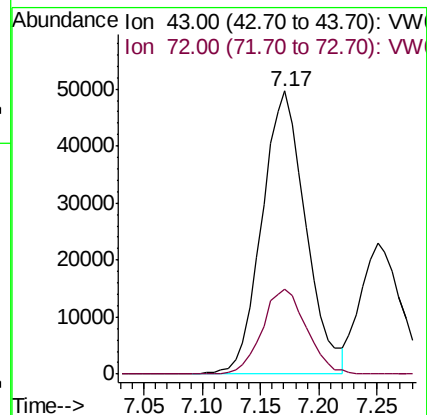
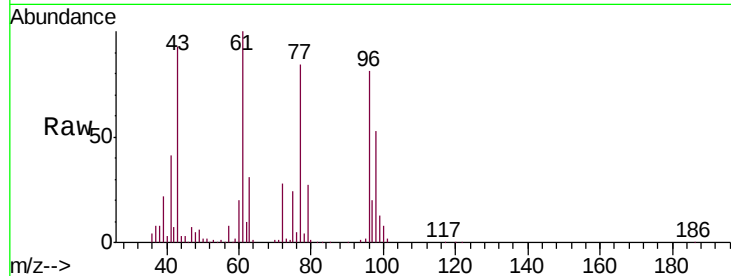
VSTDCCC050EC

Tgt Ion: 43 Resp: 129592

Ion Ratio Lower Upper

43 100

72 30.0 24.1 36.1



#26

2,2-Dichloropropane

Concen: 46.513 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010650.D

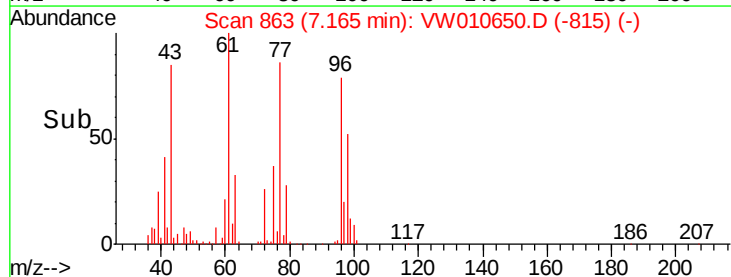
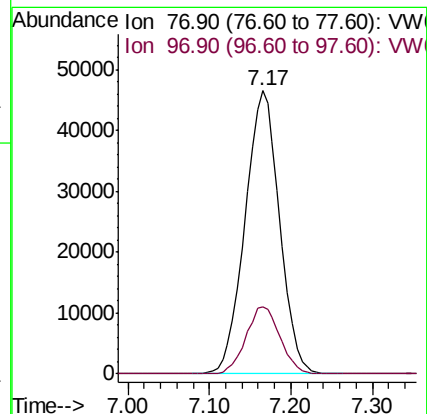
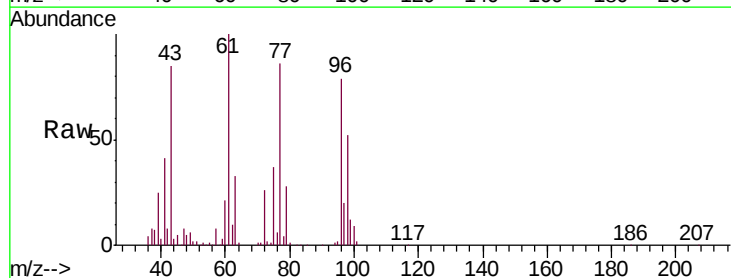
Acq: 31 May 2019 21:53

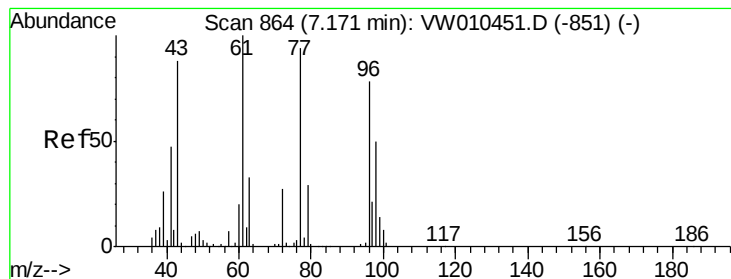
Tgt Ion: 77 Resp: 136356

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



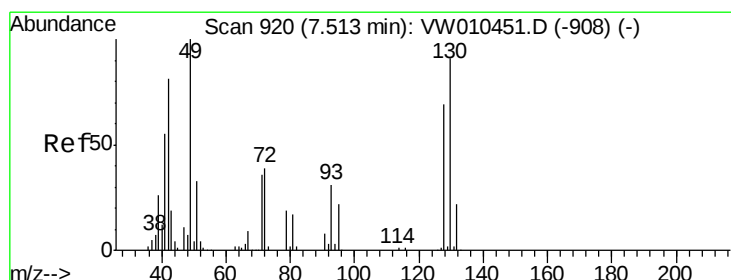
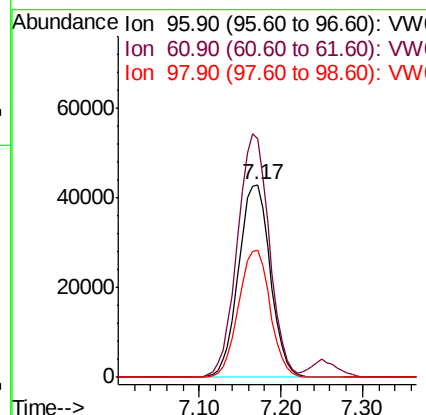
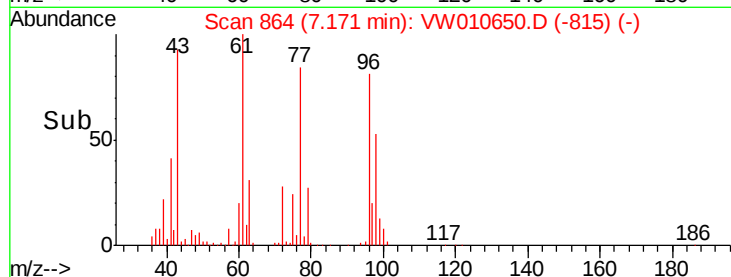
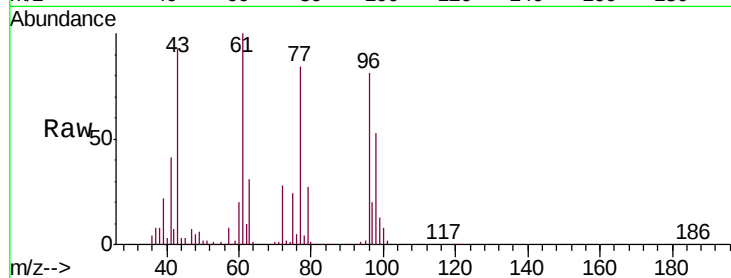


#27

cis-1,2-Dichloroethene
Concen: 53.465 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

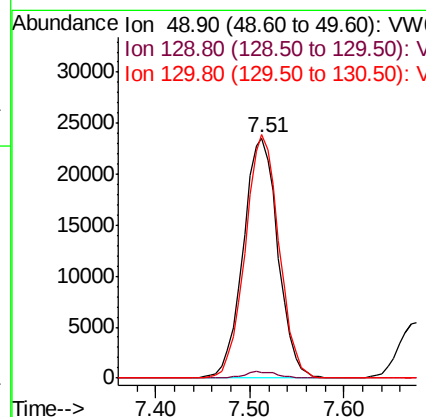
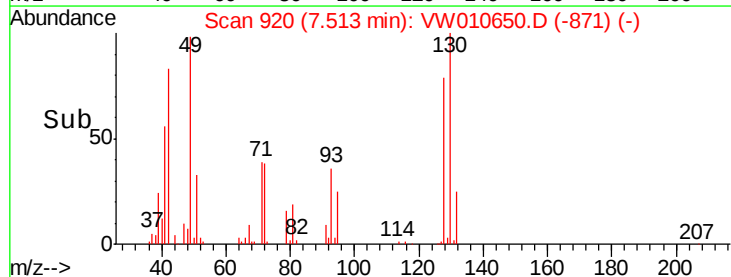
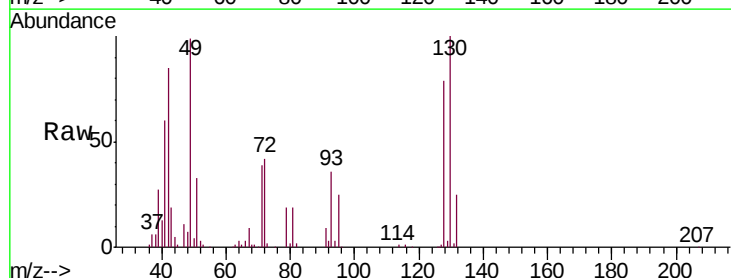
Tgt Ion: 96 Resp: 115847
Ion Ratio Lower Upper
96 100
61 126.9 0.0 265.4
98 65.9 0.0 129.4

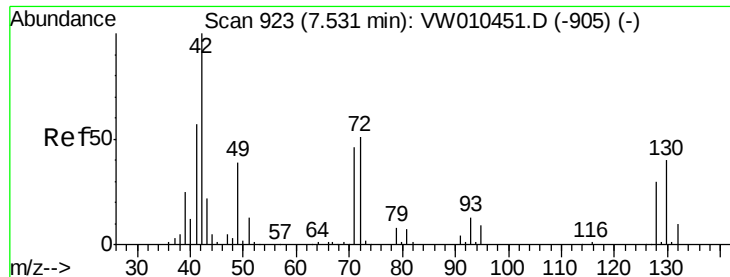


#28

Bromochloromethane
Concen: 54.956 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 49 Resp: 60555
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 98.9 71.2 106.8

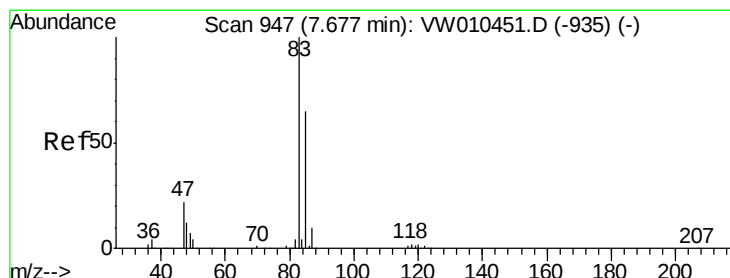
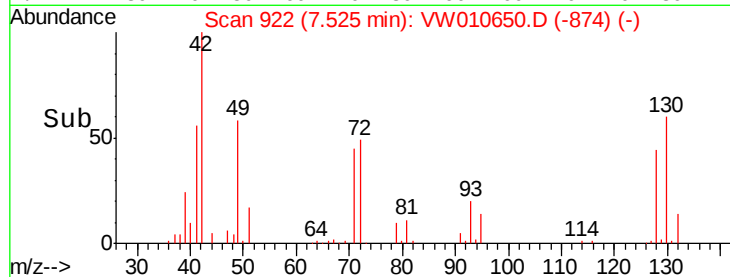
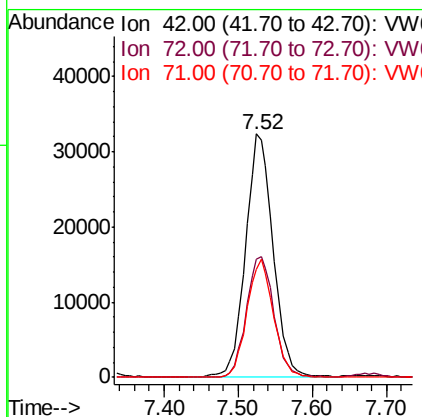
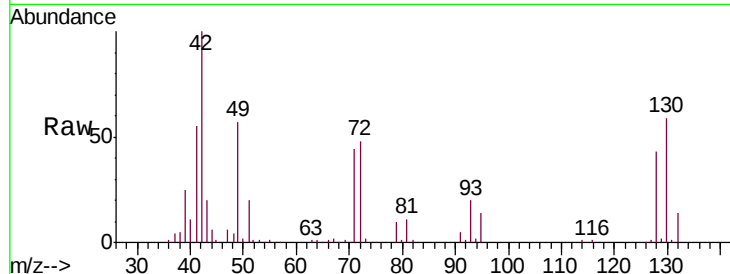




#29
Tetrahydrofuran
Concen: 250.481 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

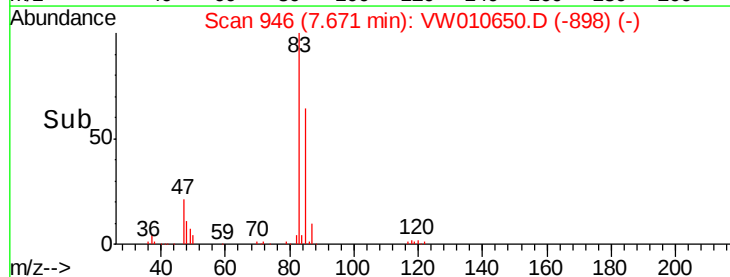
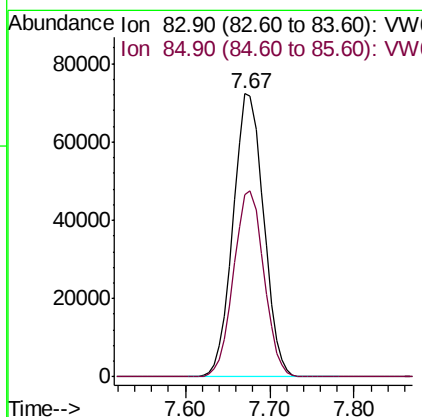
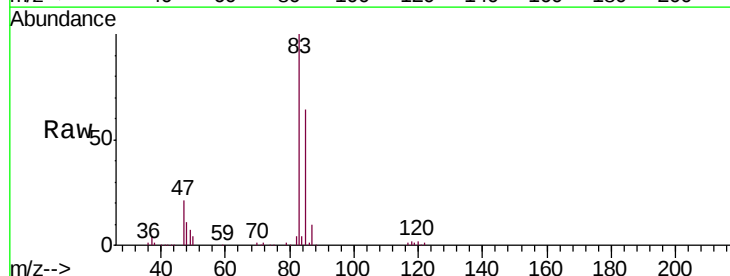
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

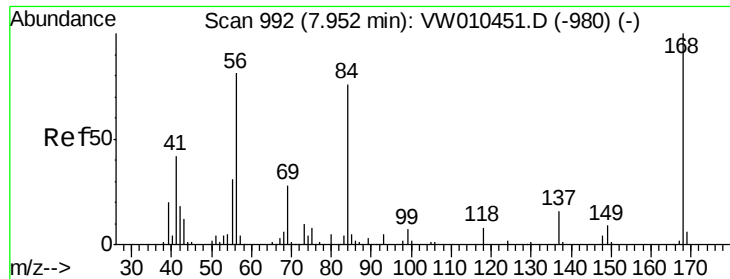
Tgt Ion: 42 Resp: 84069
Ion Ratio Lower Upper
42 100
72 49.3 38.5 57.7
71 46.6 36.5 54.7



#30
Chloroform
Concen: 53.454 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 83 Resp: 177446
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.4

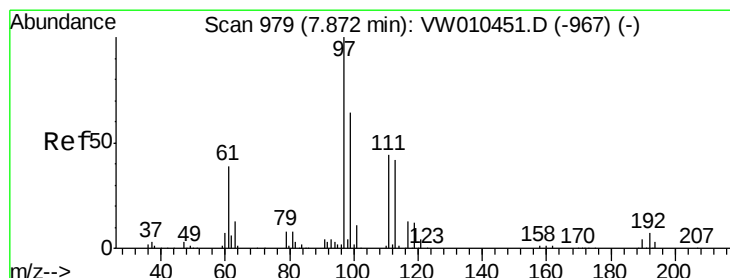
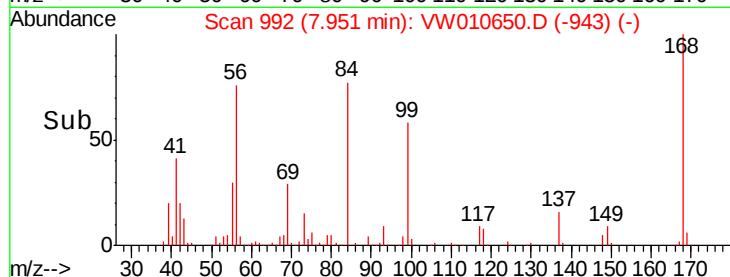
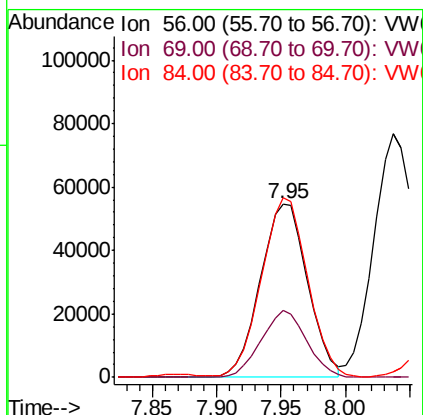
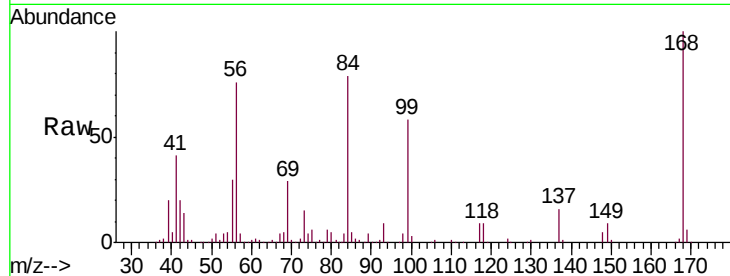




#31
Cyclohexane
Concen: 43.277 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

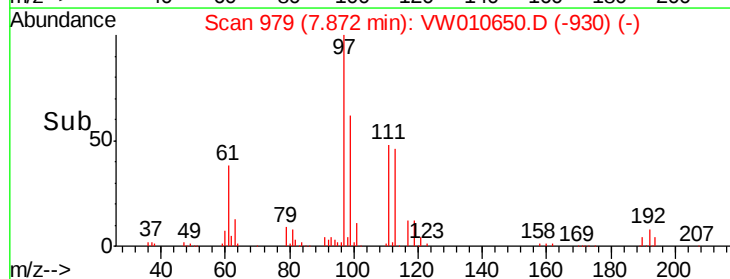
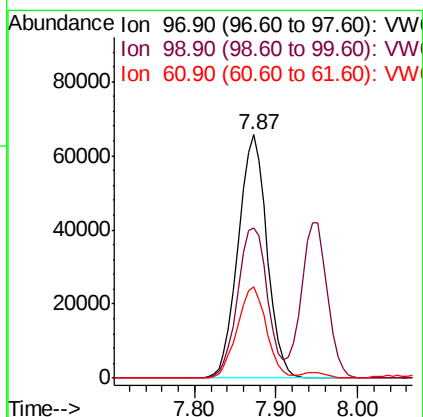
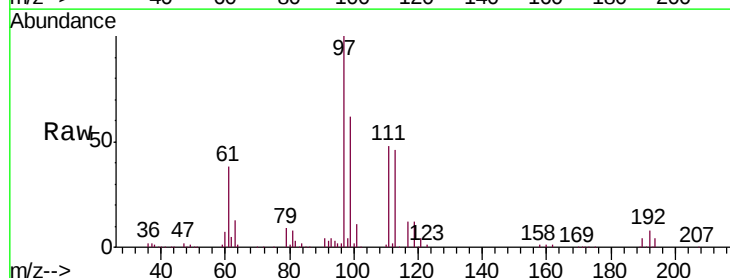
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

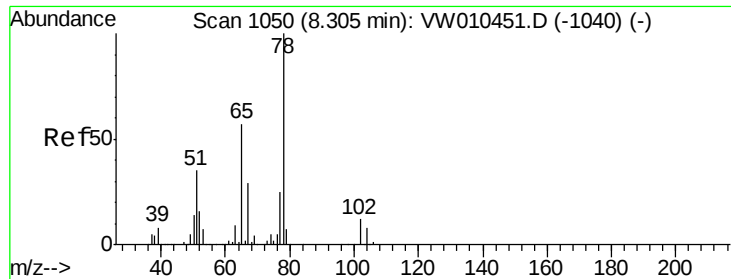
Tgt Ion: 56 Resp: 139515
Ion Ratio Lower Upper
56 100
69 38.3 28.2 42.2
84 101.8 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 50.531 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 97 Resp: 160326
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 38.1 32.1 48.1

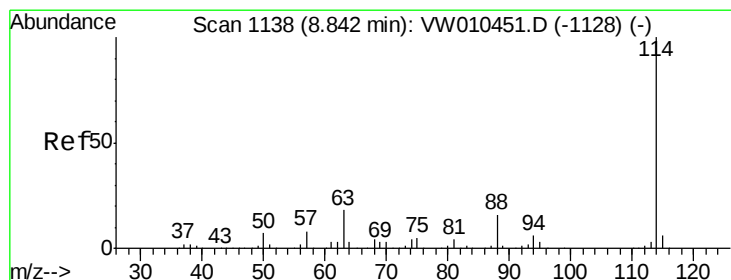
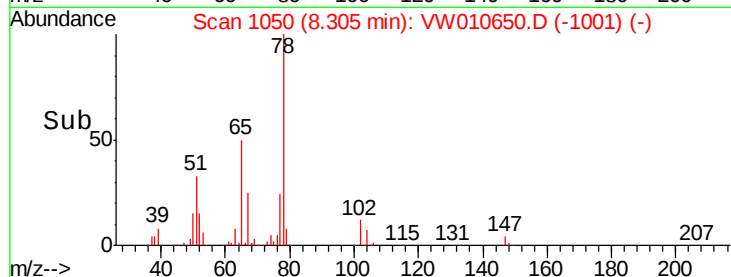
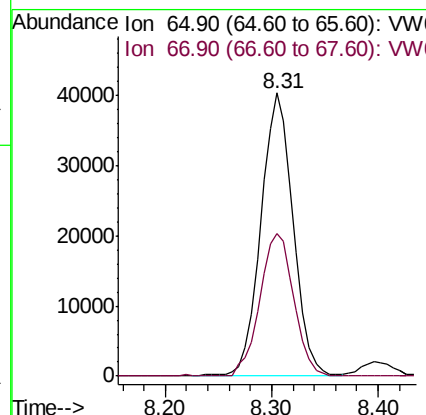
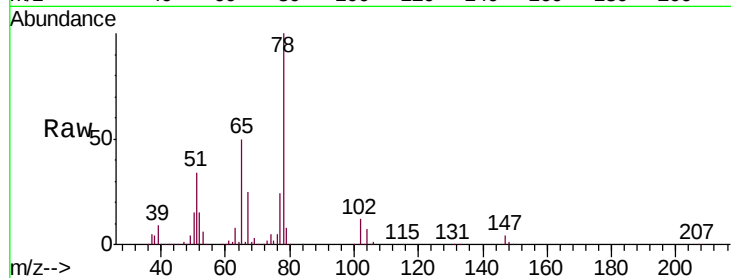




#33
 1,2-Dichloroethane-d4
 Concen: 50.400 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

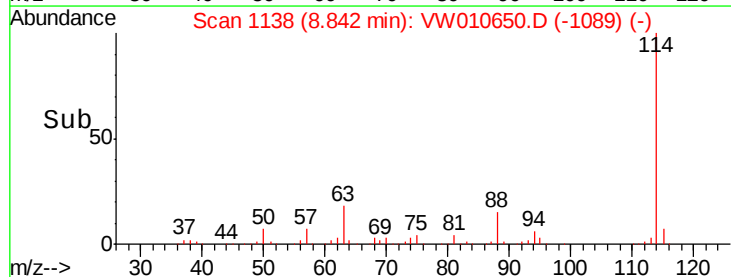
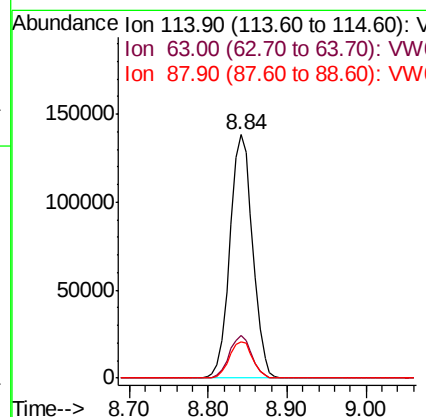
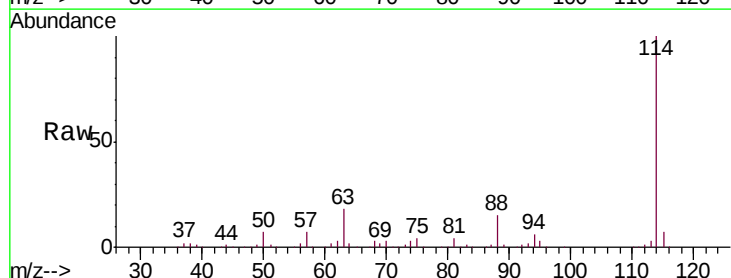
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

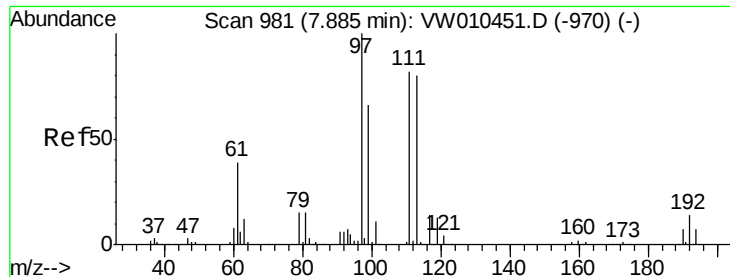
Tgt Ion: 65 Resp: 85577
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 114 Resp: 276591
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 15.1 0.0 32.0

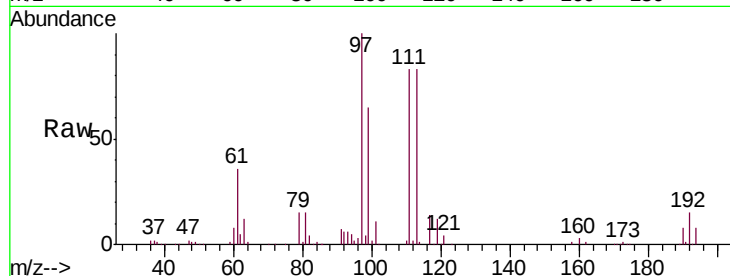




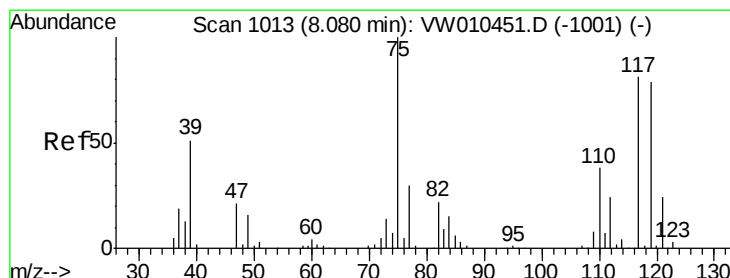
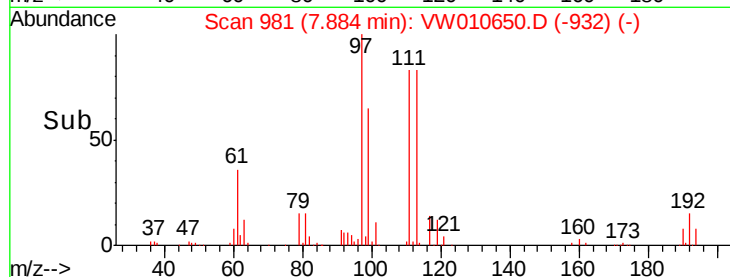
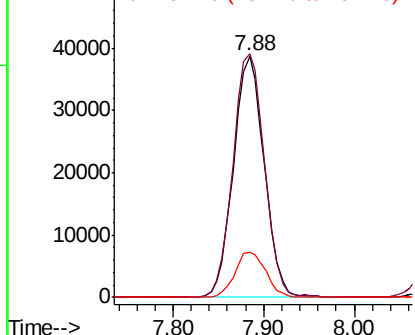
#35
 Dibromofluoromethane
 Concen: 54.151 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 90881
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.2 123.4
 192 18.8 14.3 21.5

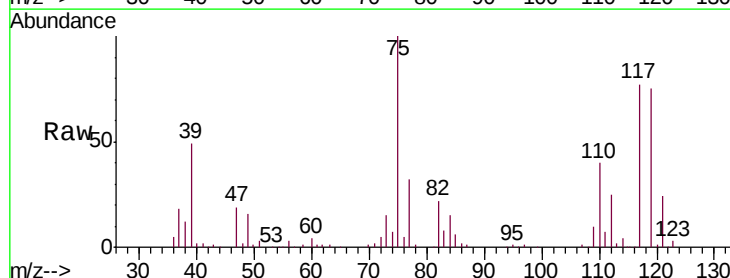


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

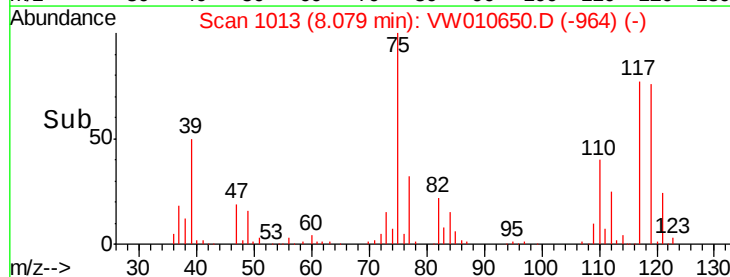
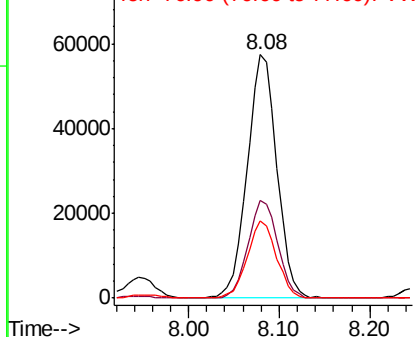


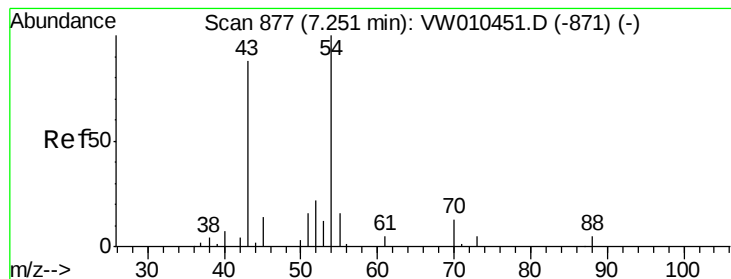
#36
 1,1-Dichloropropene
 Concen: 50.442 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 75 Resp: 129968
 Ion Ratio Lower Upper
 75 100
 110 40.1 19.2 57.6
 77 31.2 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: 51.756 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

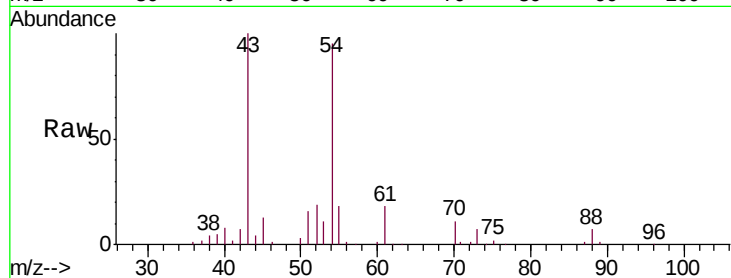
Tgt Ion: 43 Resp: 56708

Ion Ratio Lower Upper

43 100

61 16.1 11.2 16.8

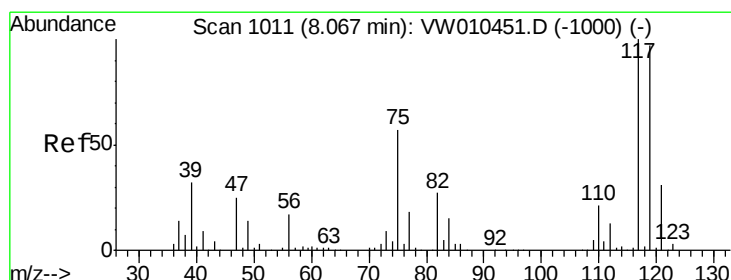
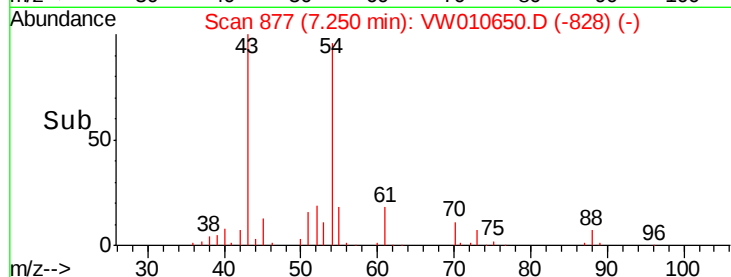
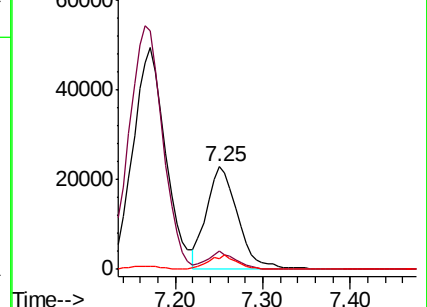
70 12.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 51.333 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

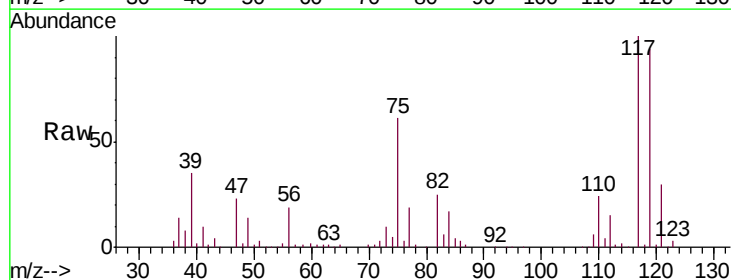
Tgt Ion: 117 Resp: 142679

Ion Ratio Lower Upper

117 100

119 94.4 77.4 116.0

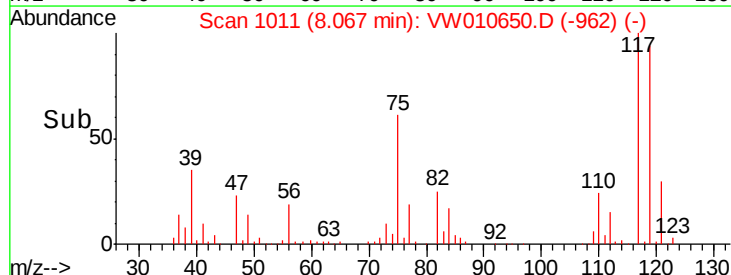
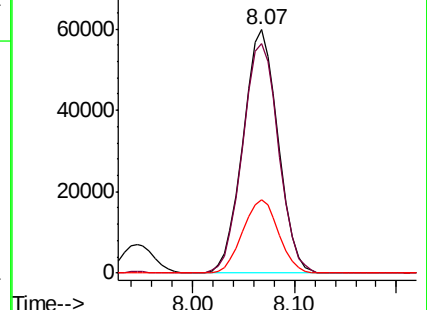
121 30.4 25.0 37.6

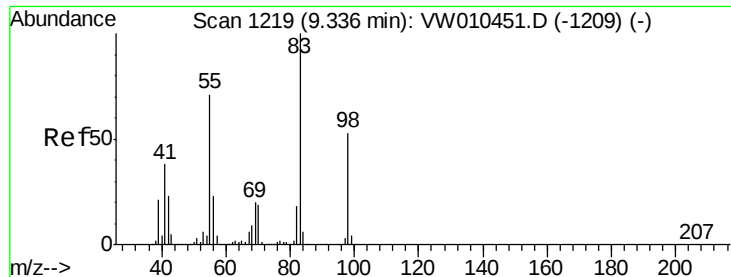


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

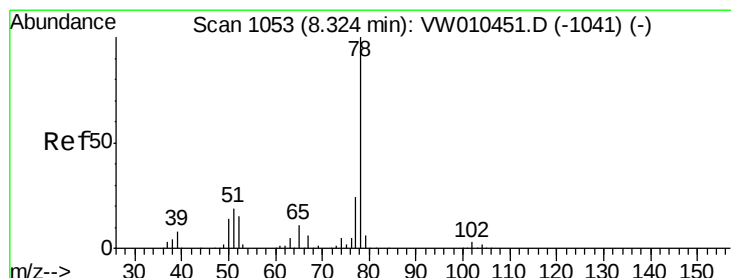
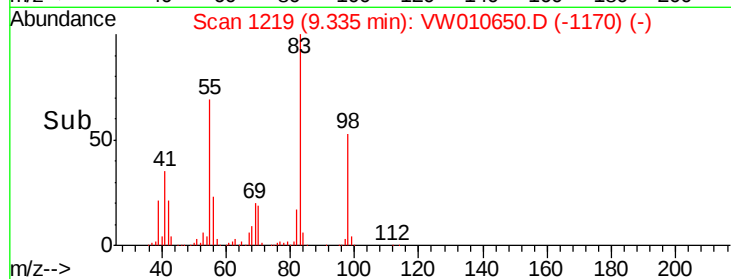
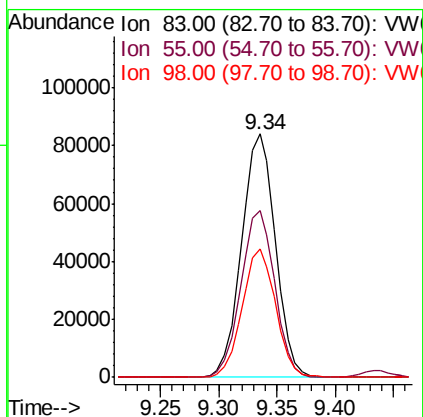
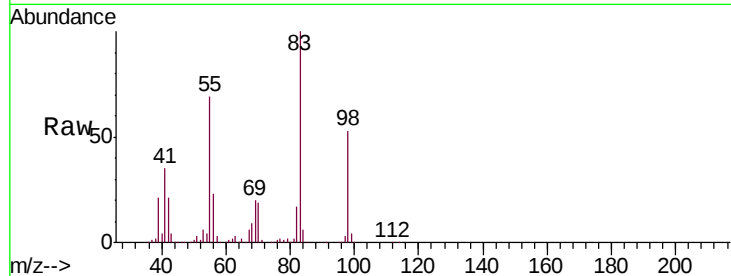




#39
Methylcyclohexane
Concen: 49.370 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

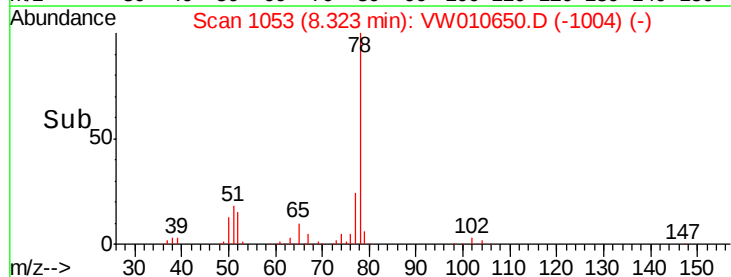
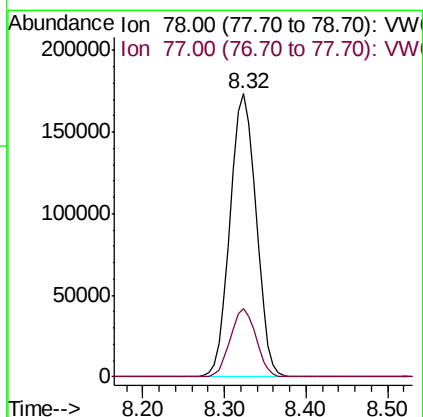
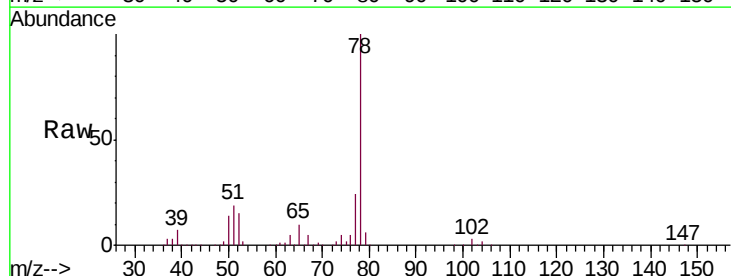
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

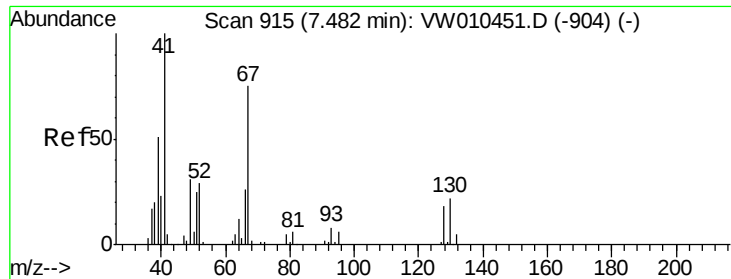
Tgt Ion: 83 Resp: 170425
Ion Ratio Lower Upper
83 100
55 68.7 57.0 85.6
98 52.7 42.0 63.0



#40
Benzene
Concen: 53.473 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 78 Resp: 382949
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3

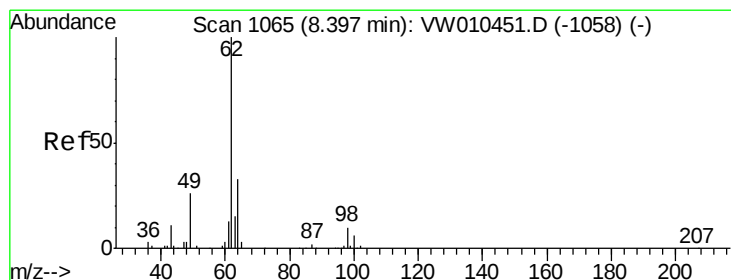
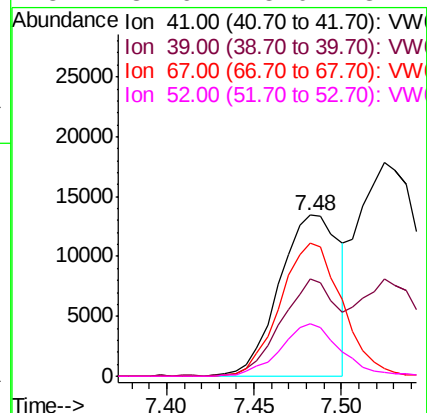
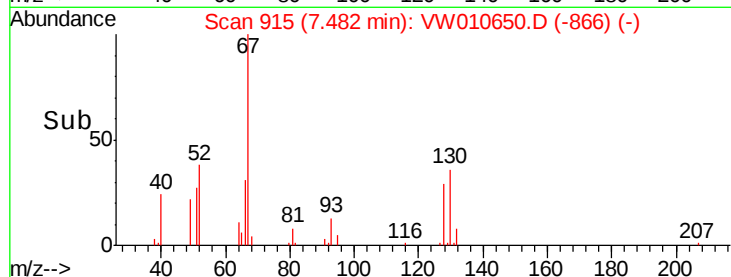
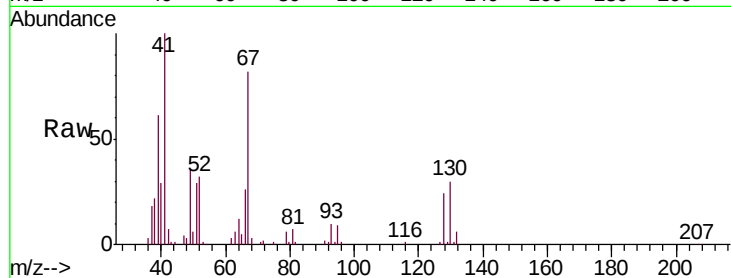




#41
Methacrylonitrile
Concen: 49.774 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

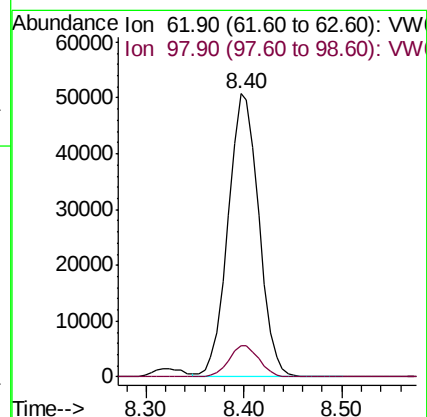
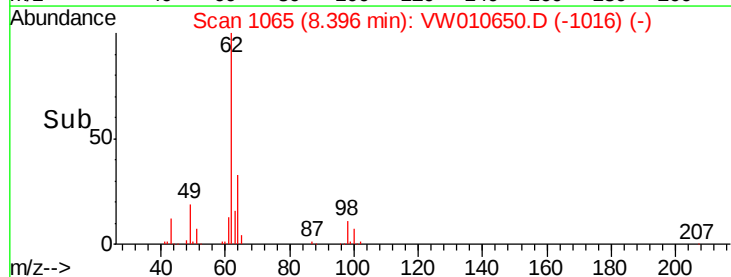
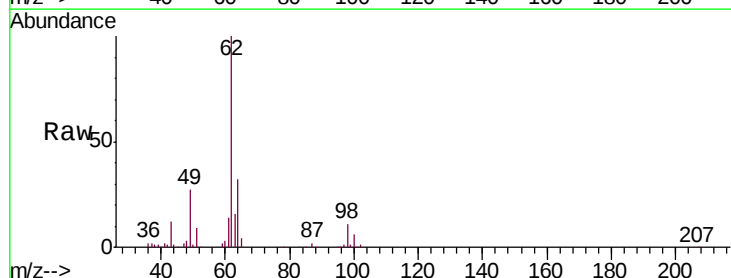
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

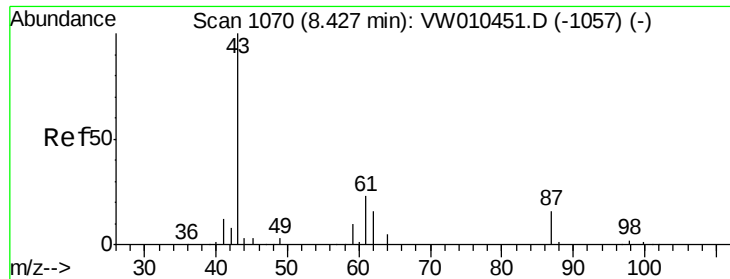
Tgt Ion:	41	Resp:	32404
Ion	Ratio	Lower	Upper
41	100		
39	55.4	47.4	71.2
67	85.5	65.5	98.3
52	32.6	25.0	37.4



#42
1,2-Dichloroethane
Concen: 54.054 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion:	62	Resp:	110639
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.298 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

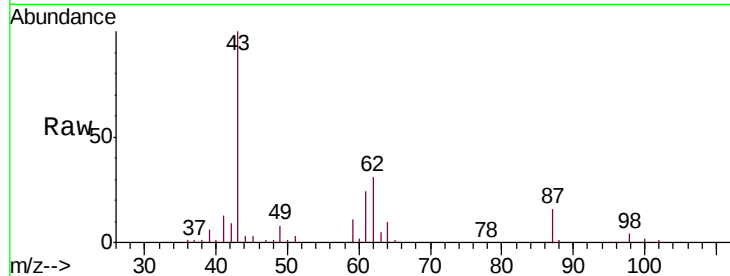
Tgt Ion: 43 Resp: 112289

Ion Ratio Lower Upper

43 100

61 32.2 25.4 38.2

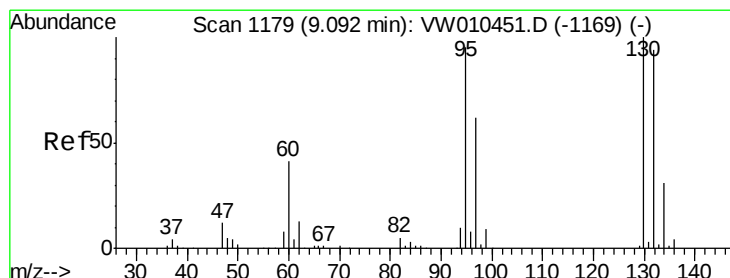
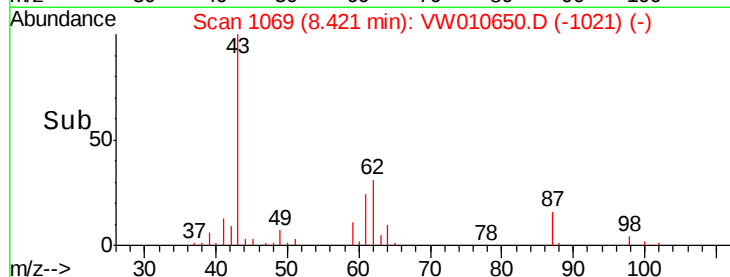
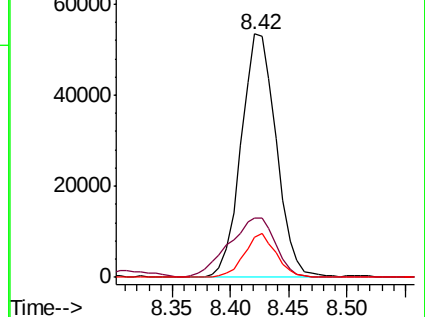
87 16.3 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.549 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010650.D

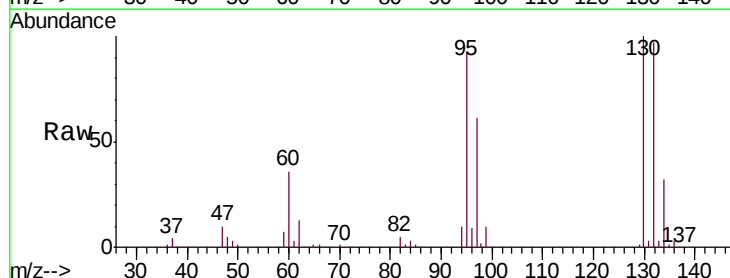
Acq: 31 May 2019 21:53

Tgt Ion: 130 Resp: 118101

Ion Ratio Lower Upper

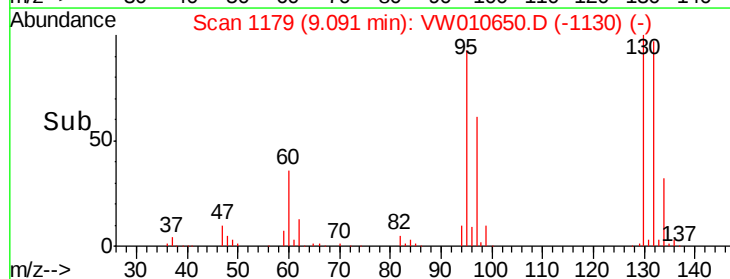
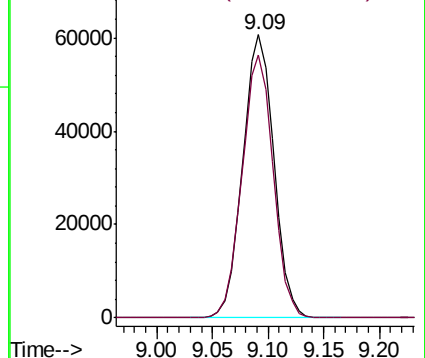
130 100

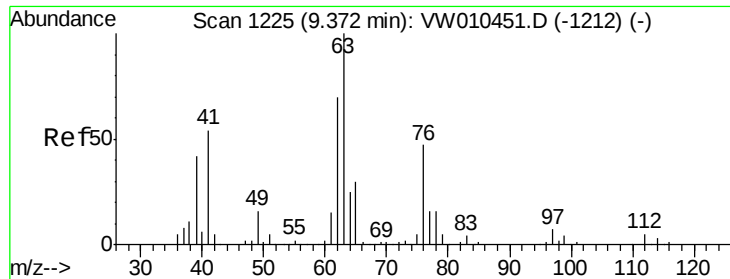
95 92.9 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

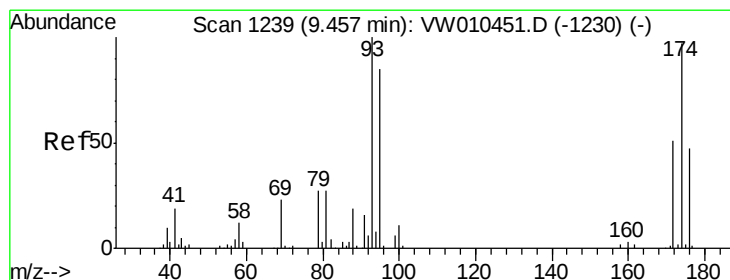
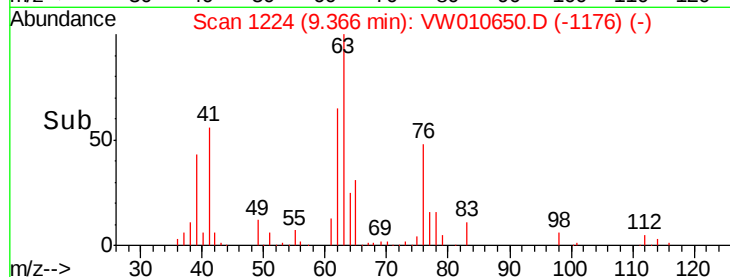
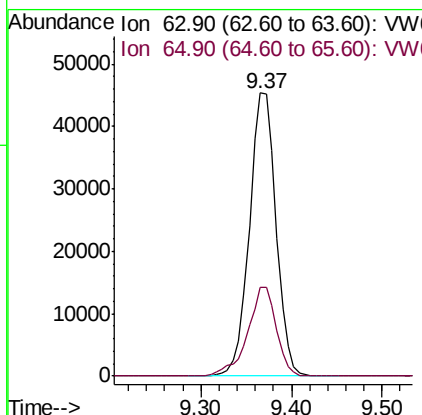
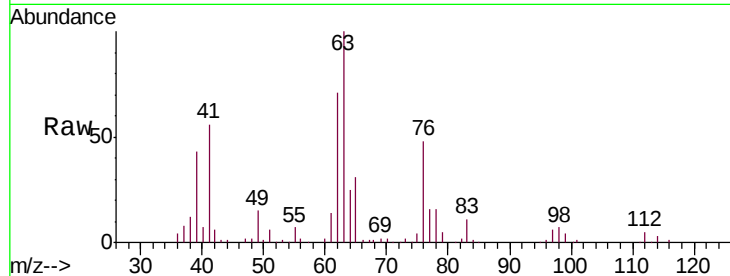




#45
 1,2-Dichloropropane
 Concen: 54.236 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

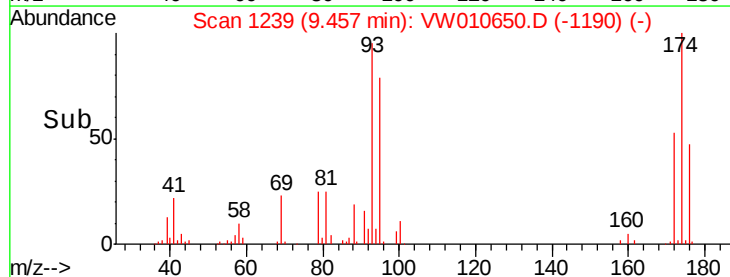
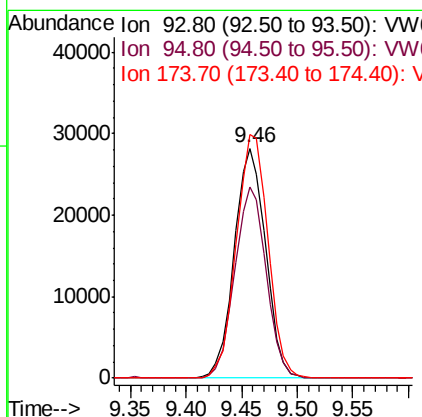
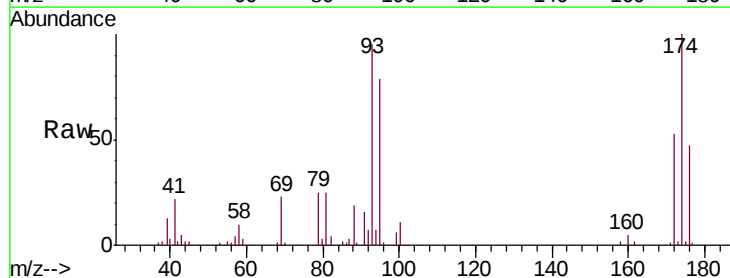
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

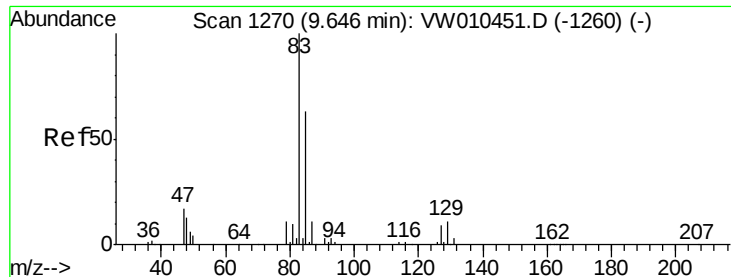
Tgt Ion: 63 Resp: 92246
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 55.202 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 93 Resp: 54908
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.1 99.1
 174 107.6 77.1 115.7





#47

Bromodichloromethane

Concen: 53.648 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

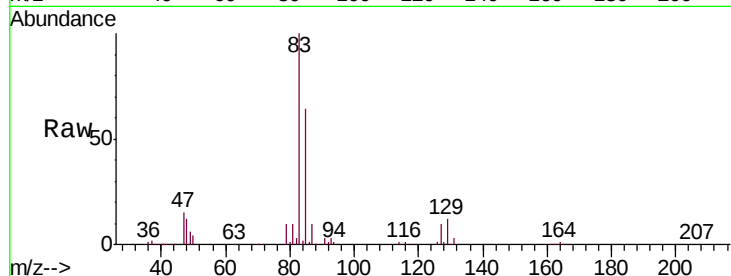
Tgt Ion: 83 Resp: 134100

Ion Ratio Lower Upper

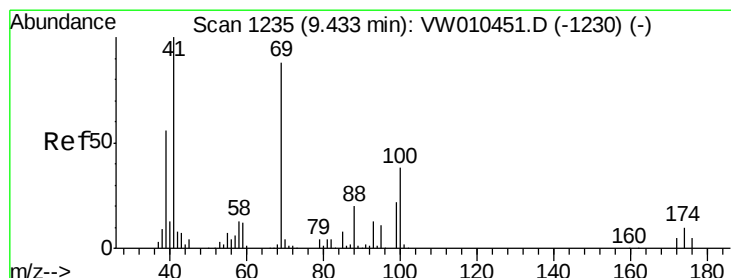
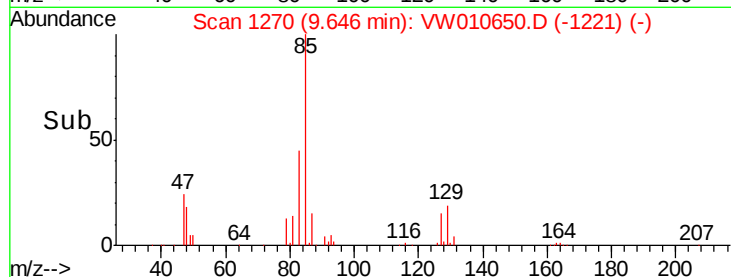
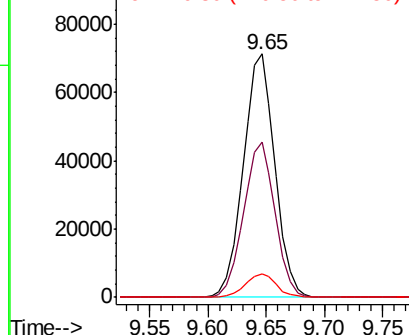
83 100

85 63.7 50.4 75.6

127 9.8 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): V



#48

Methyl methacrylate

Concen: 50.208 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

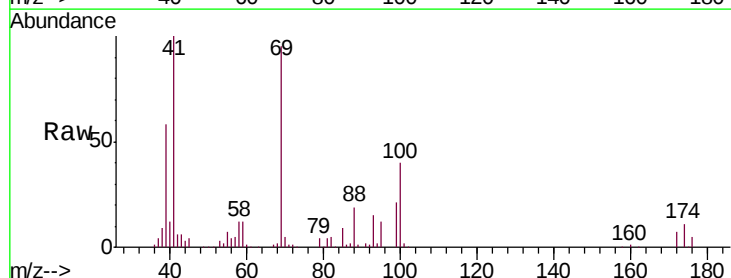
Tgt Ion: 41 Resp: 50279

Ion Ratio Lower Upper

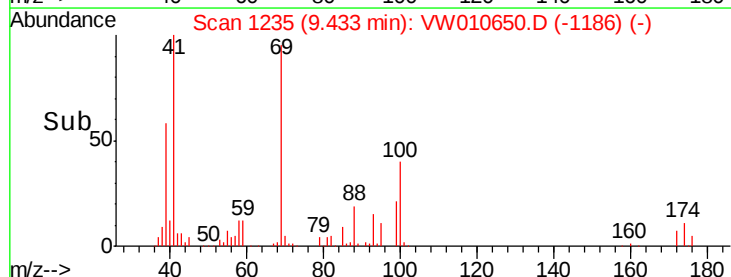
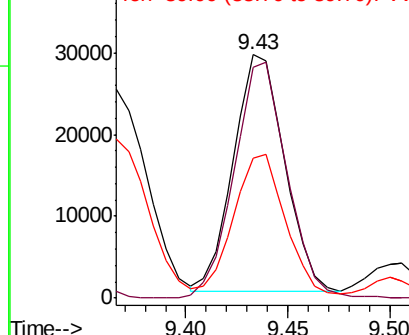
41 100

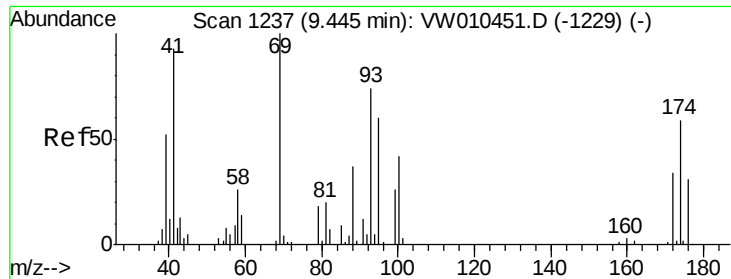
69 103.3 77.6 116.4

39 63.7 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

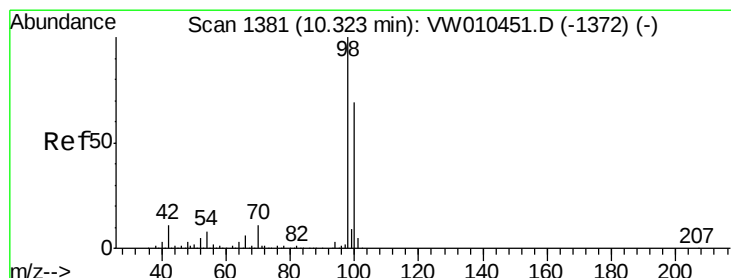
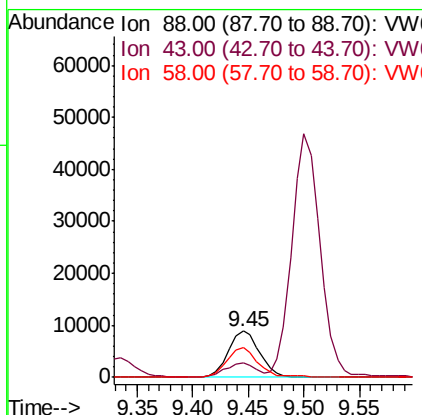
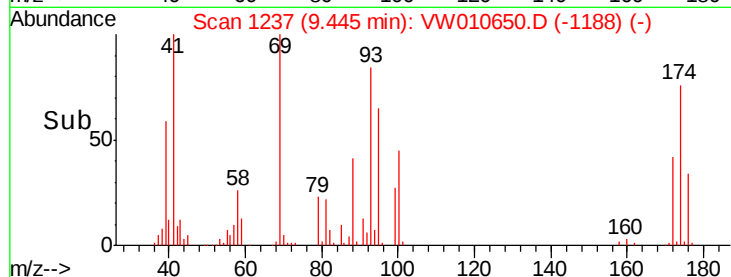
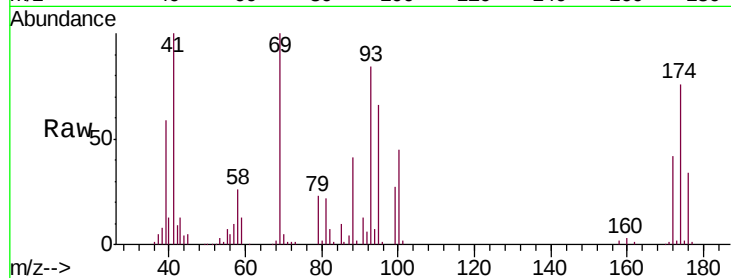




#49
1,4-Dioxane
Concen: 1076.697 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

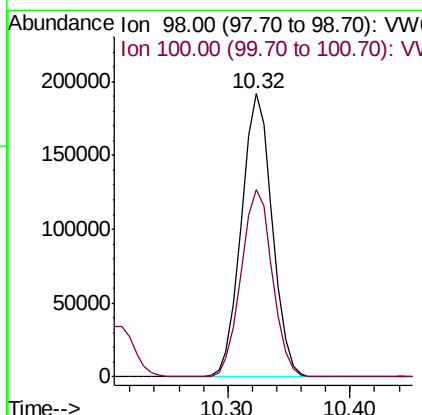
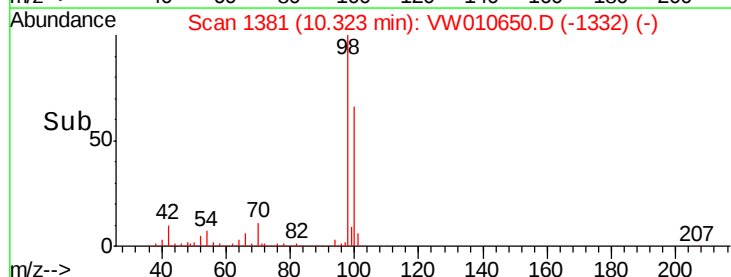
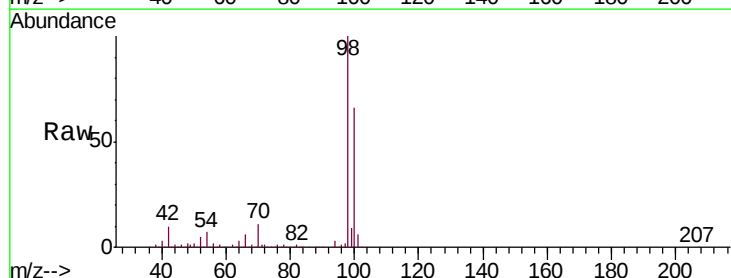
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

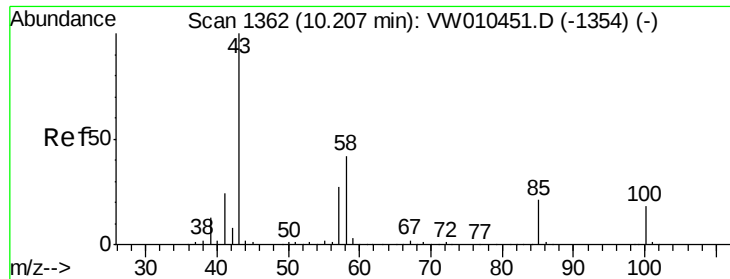
Tgt Ion: 88 Resp: 17495
Ion Ratio Lower Upper
88 100
43 28.9 25.9 38.9
58 61.9 52.7 79.1



#50
Toluene-d8
Concen: 52.242 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 98 Resp: 334950
Ion Ratio Lower Upper
98 100
100 67.0 53.7 80.5

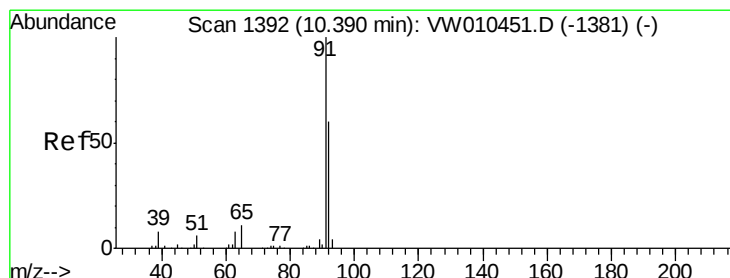
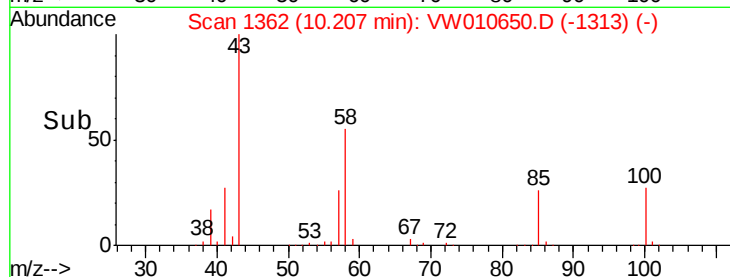
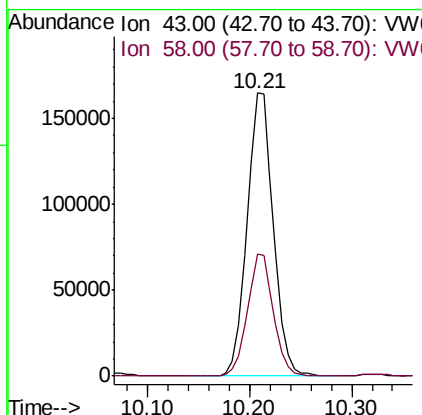
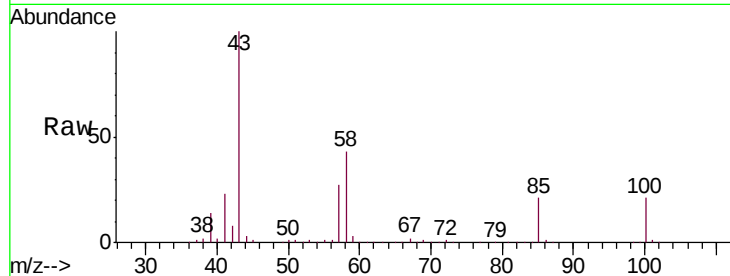




#51
 4-Methyl-2-Pentanone
 Concen: 266.294 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

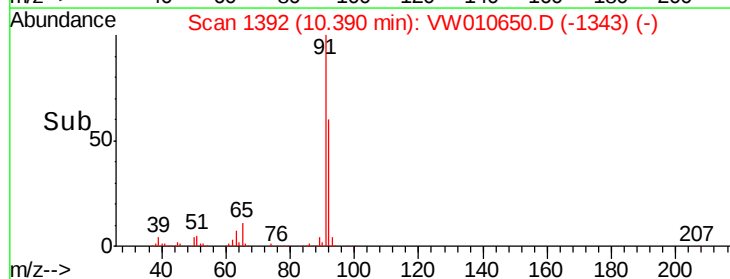
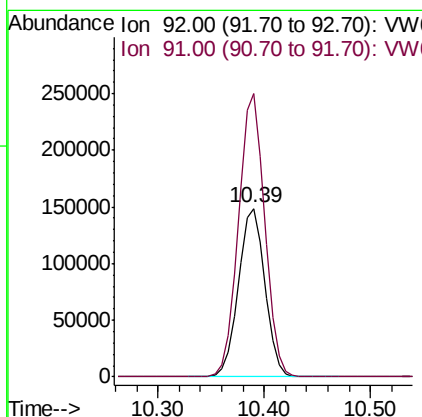
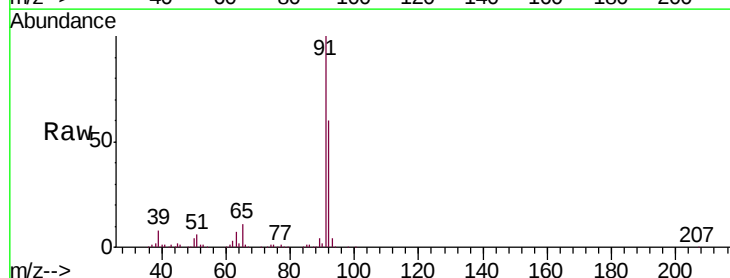
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

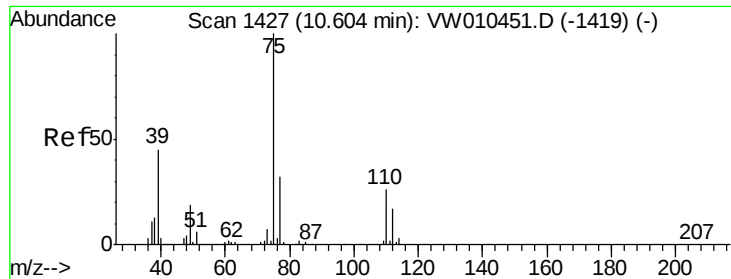
Tgt Ion: 43 Resp: 295370
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.2 49.8



#52
 Toluene
 Concen: 54.079 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 92 Resp: 260090
 Ion Ratio Lower Upper
 92 100
 91 166.8 135.4 203.0

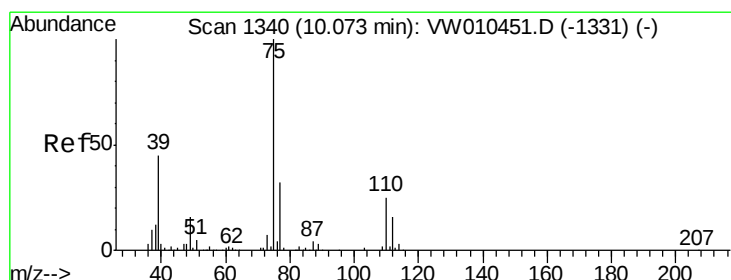
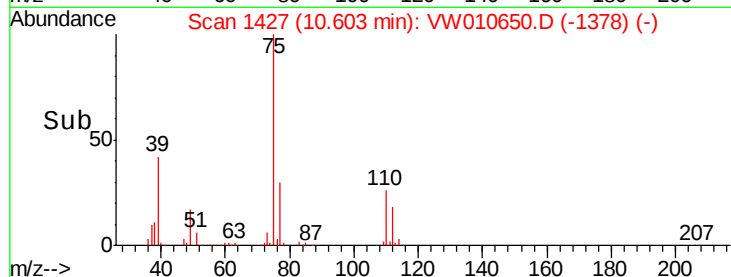
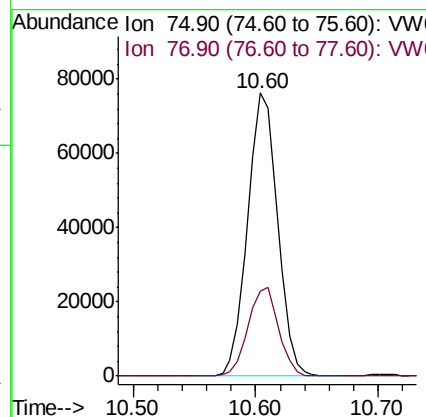
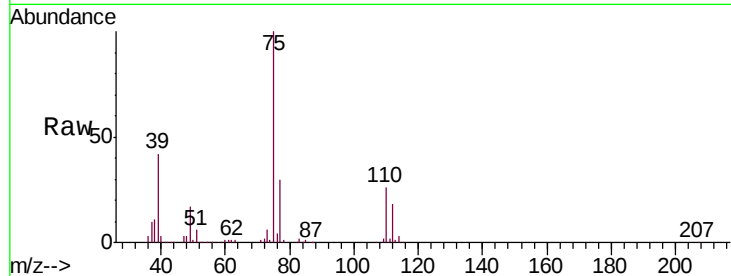




#53
 t-1,3-Dichloropropene
 Concen: 51.559 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

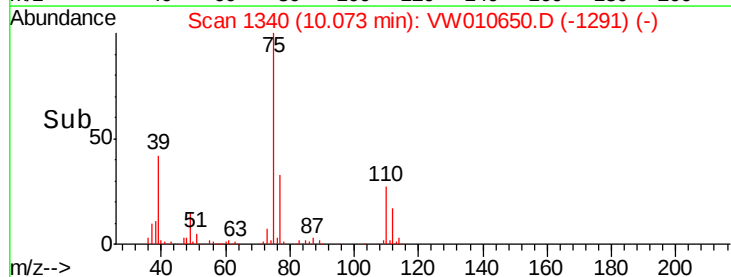
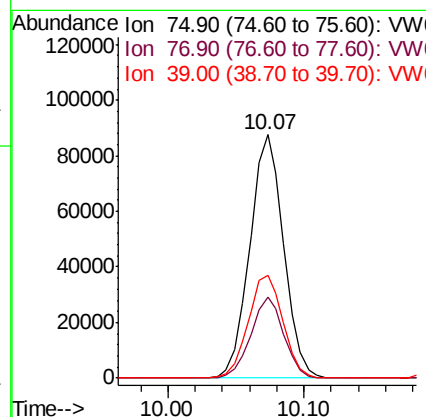
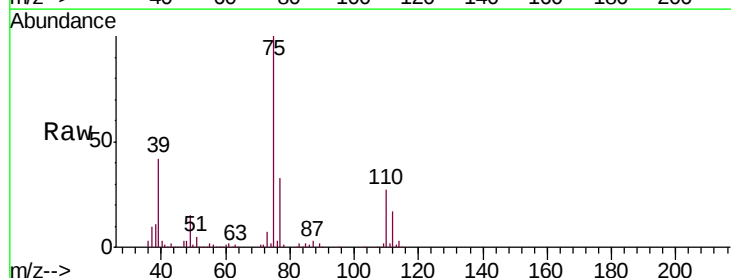
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

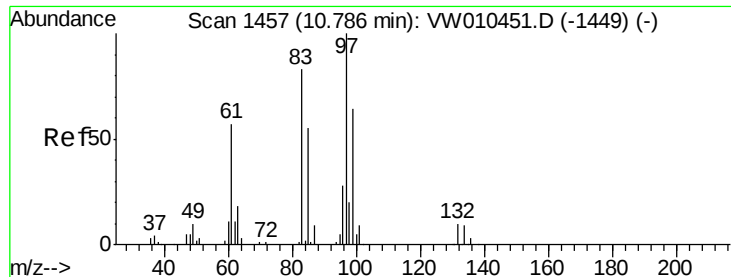
Tgt Ion: 75 Resp: 130525
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.667 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 75 Resp: 152269
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.7 38.5
 39 42.3 36.2 54.4

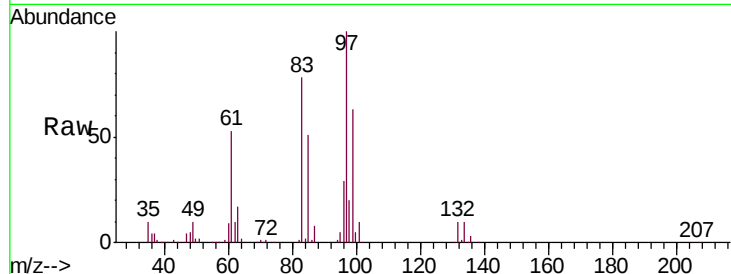




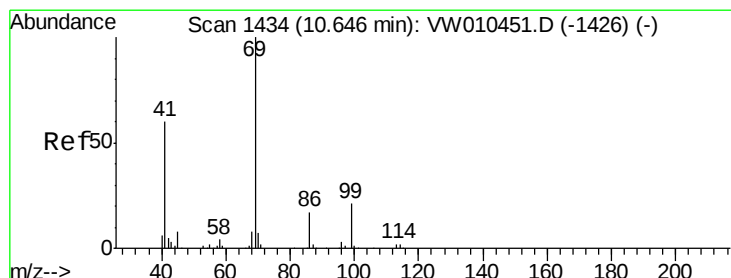
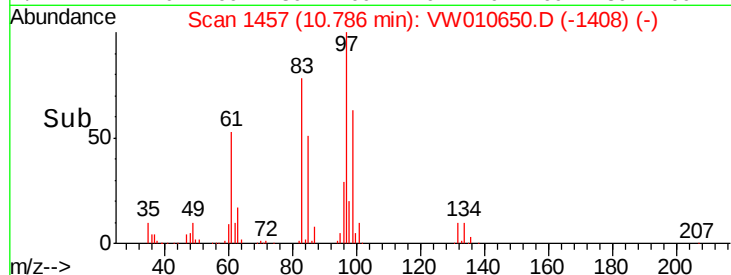
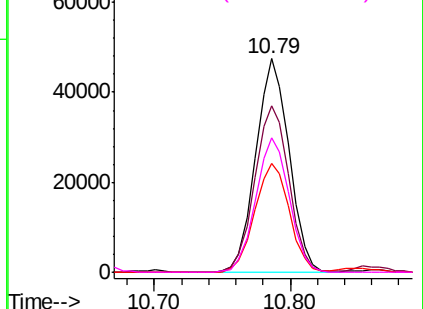
#55
 1,1,2-Trichloroethane
 Concen: 57.022 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	81562
Ion	Ratio	Lower	Upper
97	100		
83	77.6	66.1	99.1
85	50.8	44.2	66.4
99	63.0	51.1	76.7

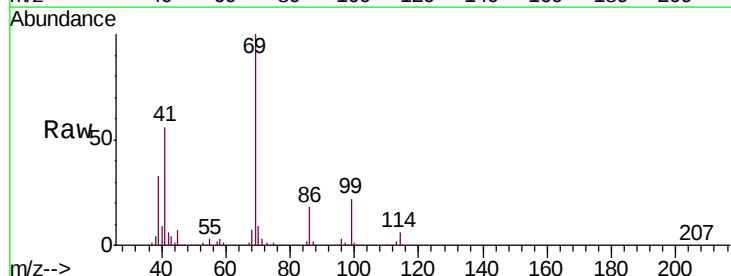


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

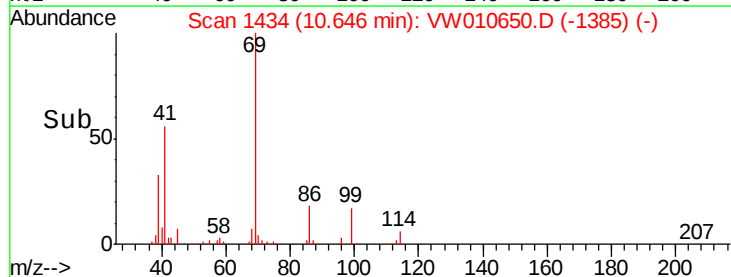
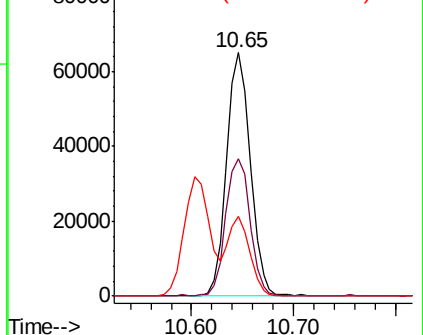


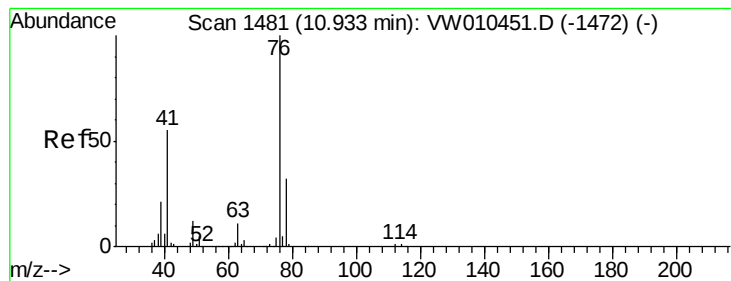
#56
 Ethyl methacrylate
 Concen: 53.161 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion:	69	Resp:	104871
Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.7	71.5
39	30.5	25.3	37.9



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





#57

1,3-Dichloropropane

Concen: 55.515 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

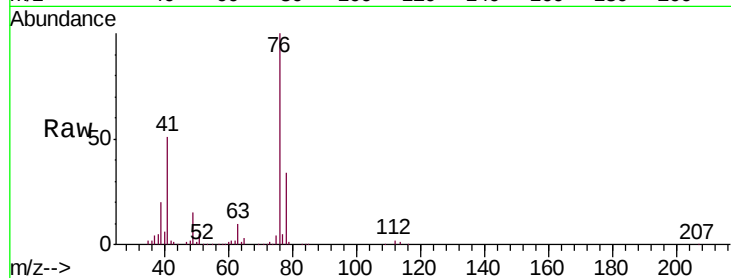
VSTDCCC050EC

Tgt Ion: 76 Resp: 133011

Ion Ratio Lower Upper

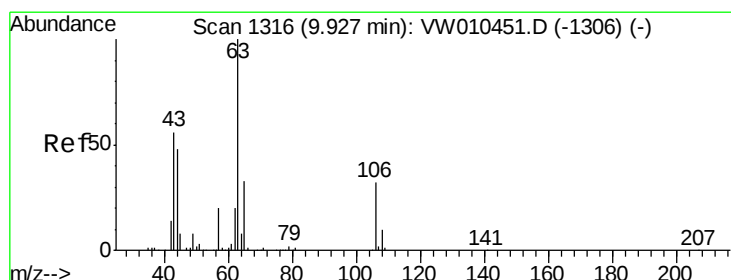
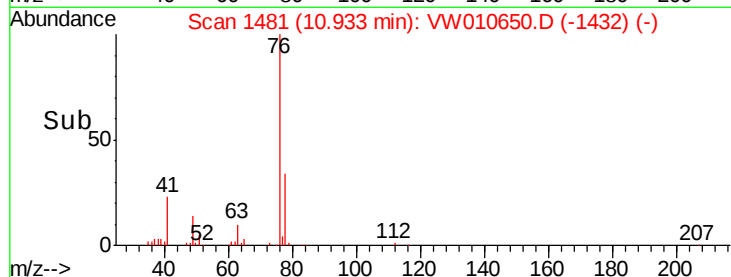
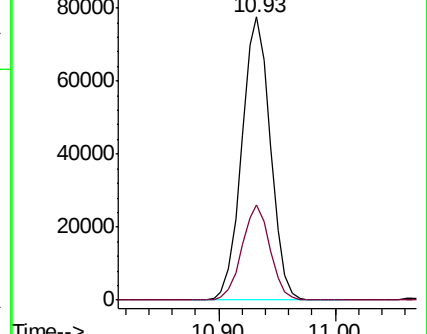
76 100

78 33.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 278.236 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010650.D

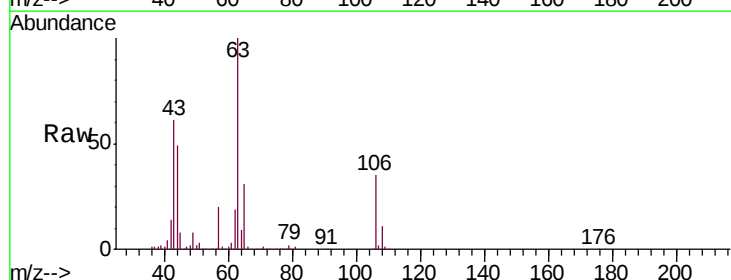
Acq: 31 May 2019 21:53

Tgt Ion: 63 Resp: 243115

Ion Ratio Lower Upper

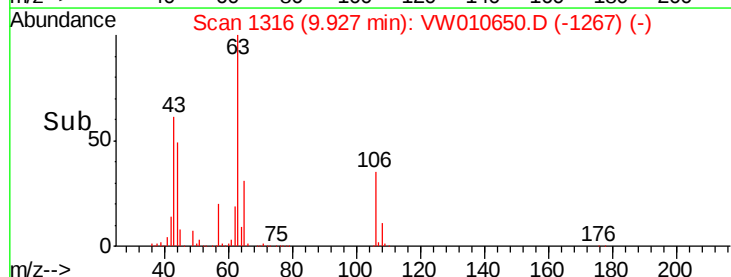
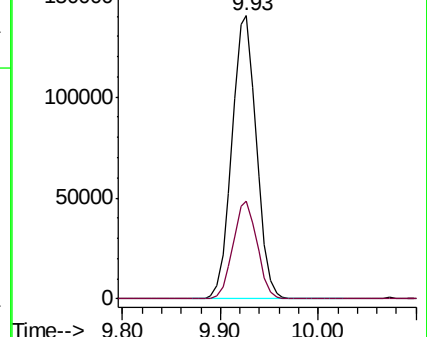
63 100

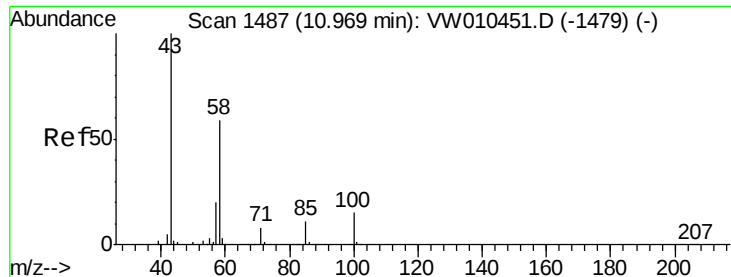
106 34.0 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

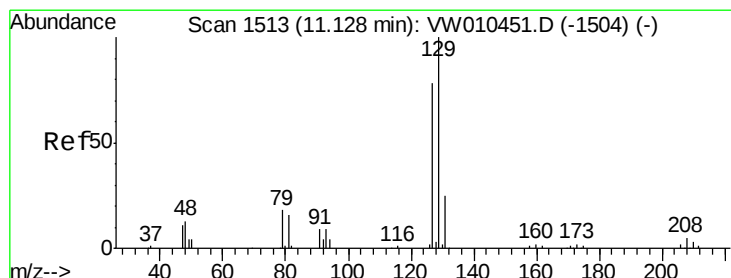
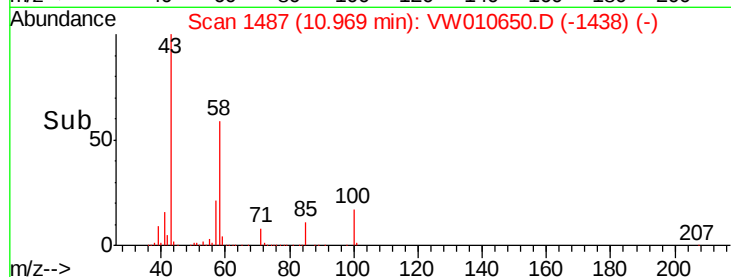
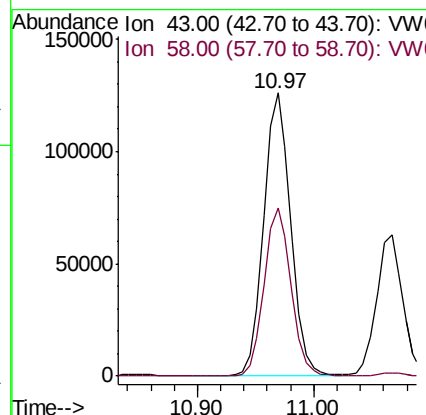
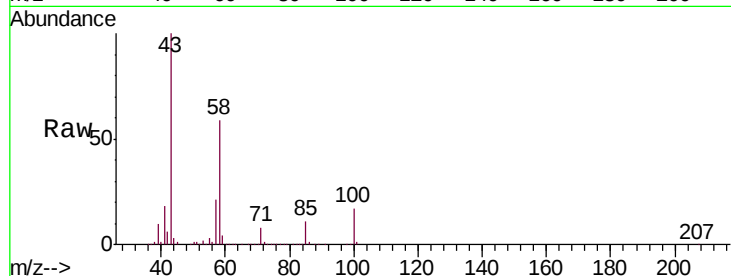




#59
2-Hexanone
Concen: 257.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

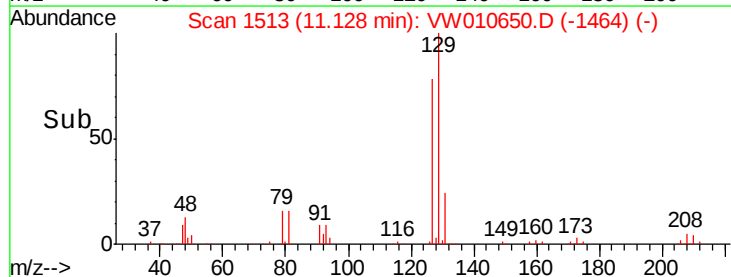
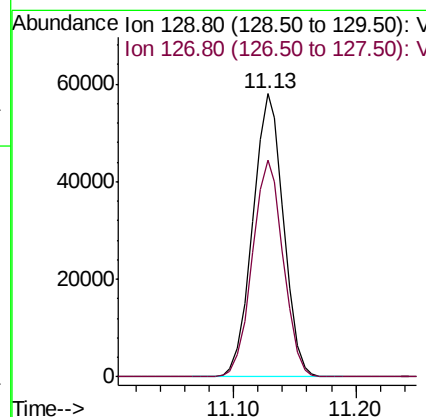
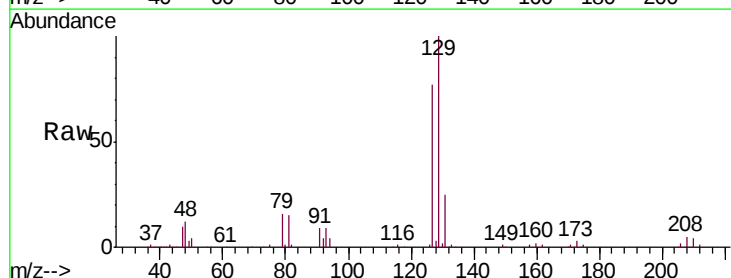
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

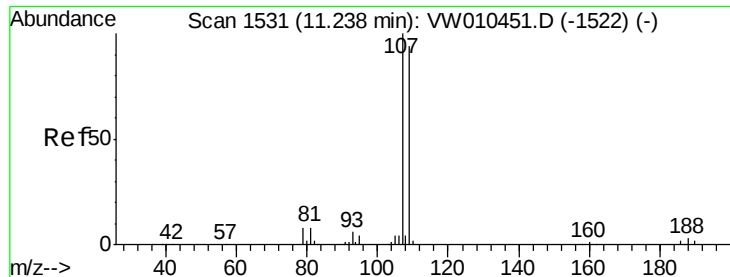
Tgt Ion: 43 Resp: 204108
Ion Ratio Lower Upper
43 100
58 59.2 28.9 86.8



#60
Dibromochloromethane
Concen: 55.999 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 129 Resp: 101374
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

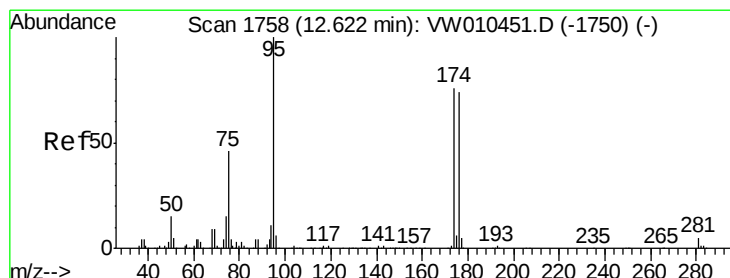
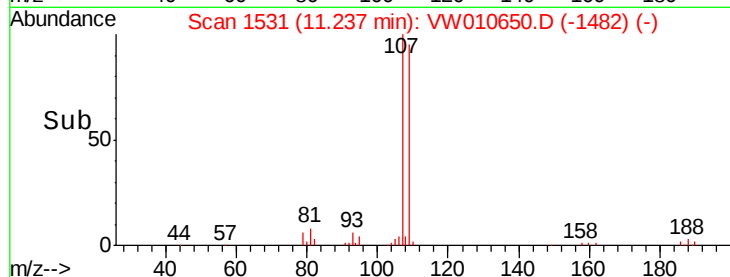
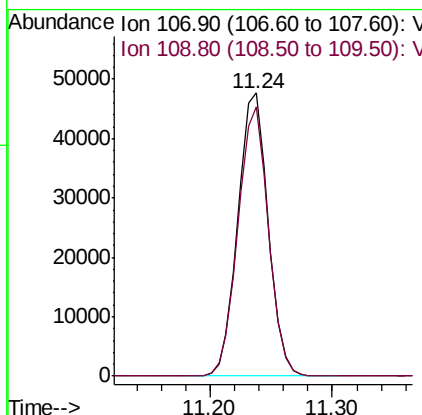
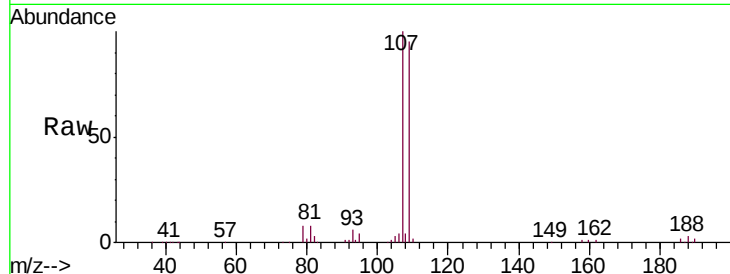




#61
 1,2-Dibromoethane
 Concen: 56.518 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

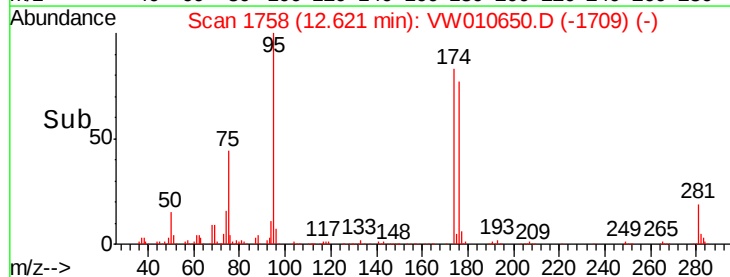
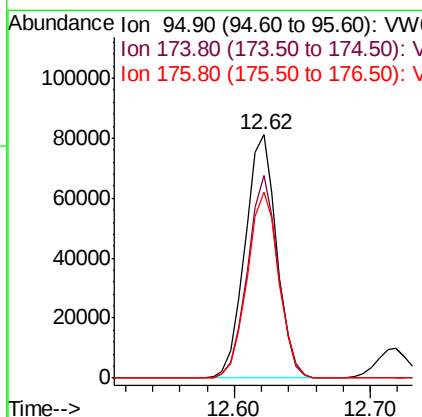
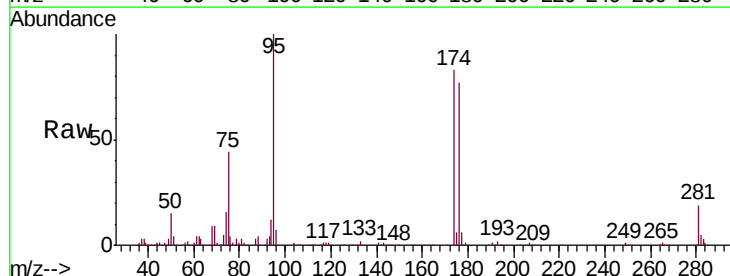
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

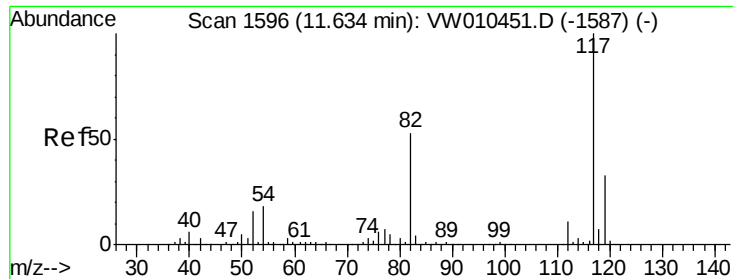
Tgt Ion: 107 Resp: 81891
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.514 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 95 Resp: 131556
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 148.6
 176 76.7 0.0 144.2

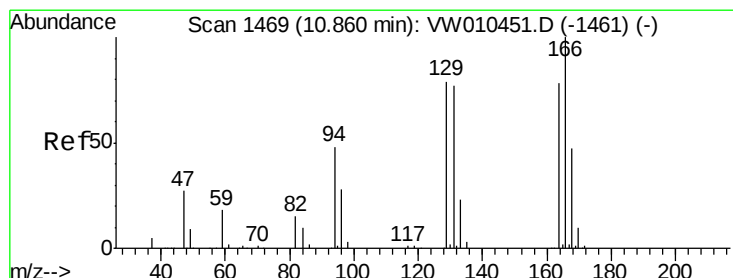
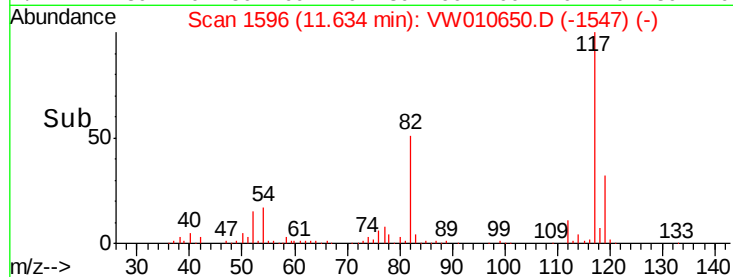
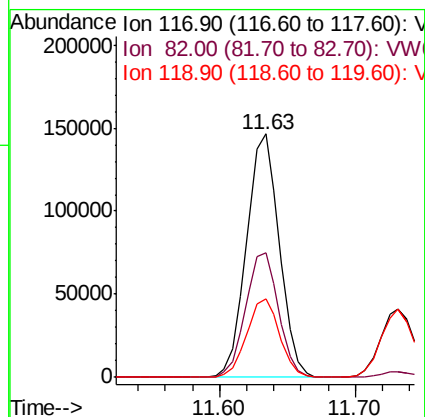
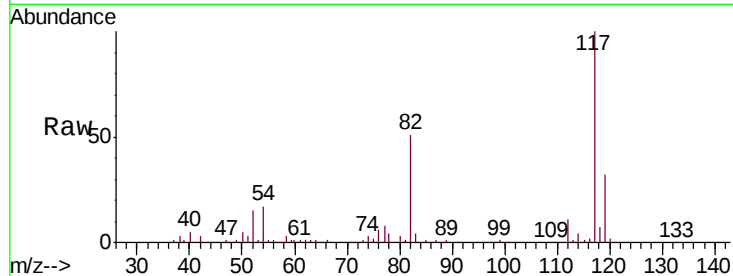




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

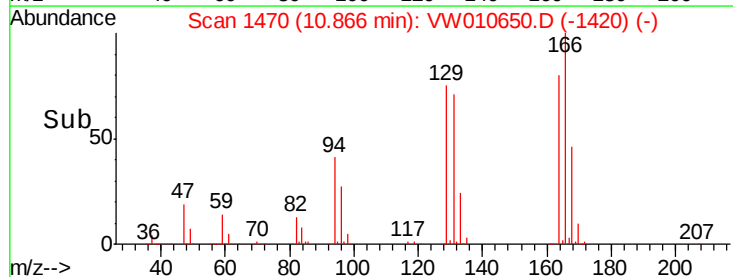
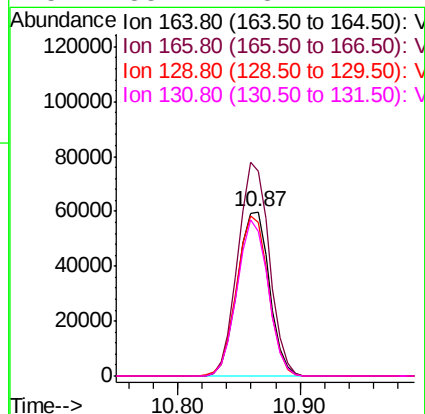
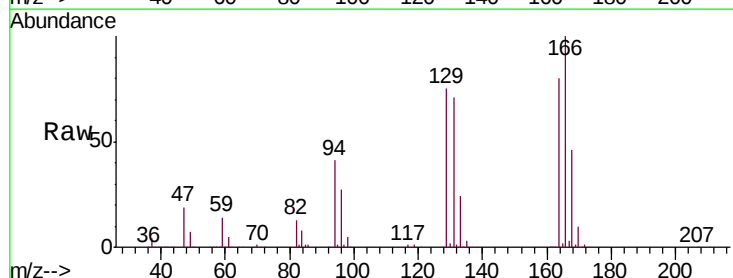
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

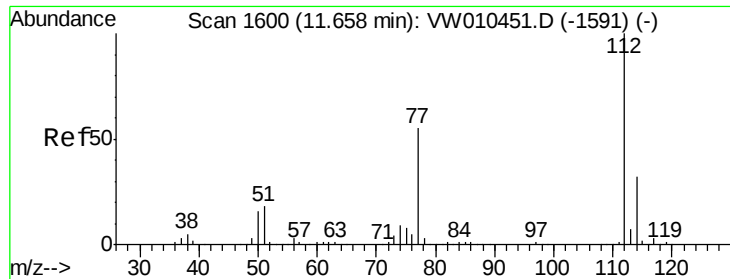
Tgt Ion:117 Resp: 246984
Ion Ratio Lower Upper
117 100
82 51.4 42.8 64.2
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 62.866 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion:164 Resp: 108237
Ion Ratio Lower Upper
164 100
166 124.7 101.9 152.9
129 94.0 80.6 121.0
131 88.2 78.2 117.2

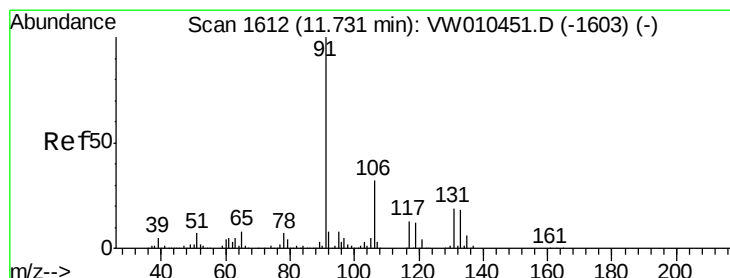
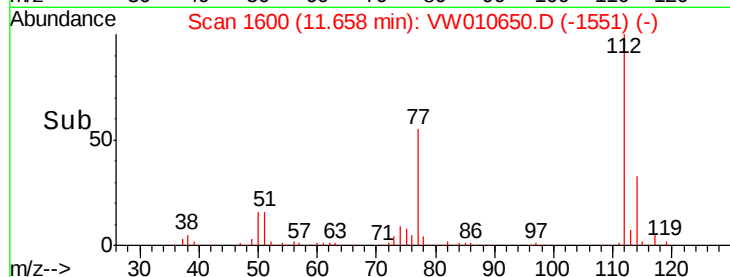
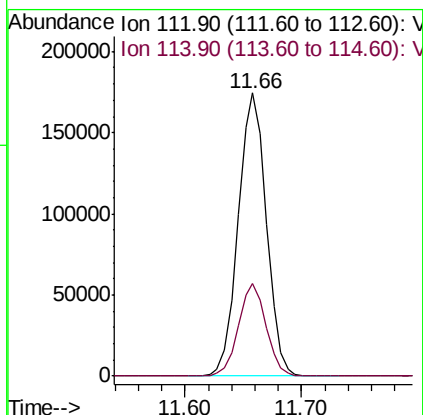
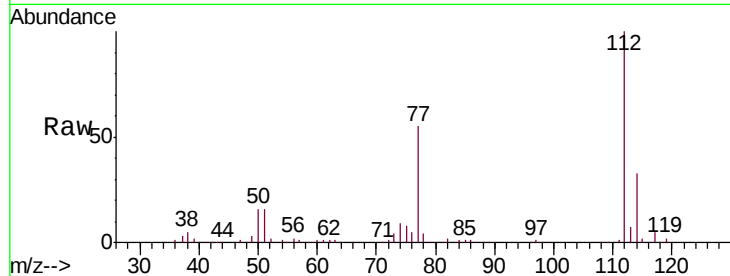




#65
Chlorobenzene
Concen: 55.632 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

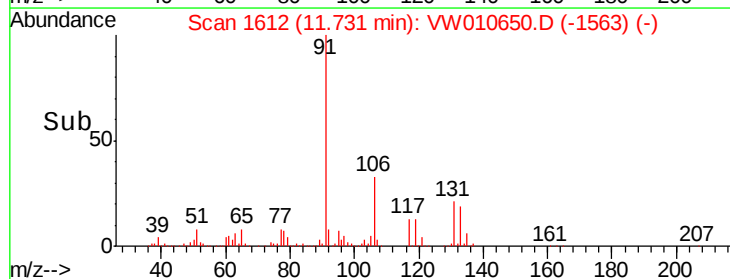
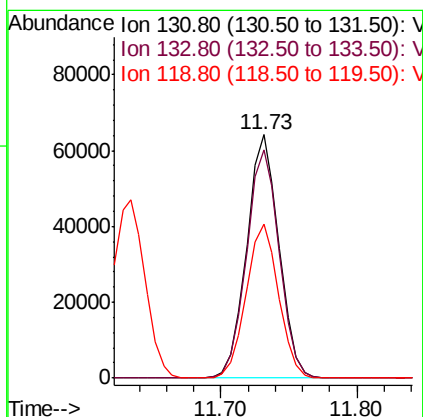
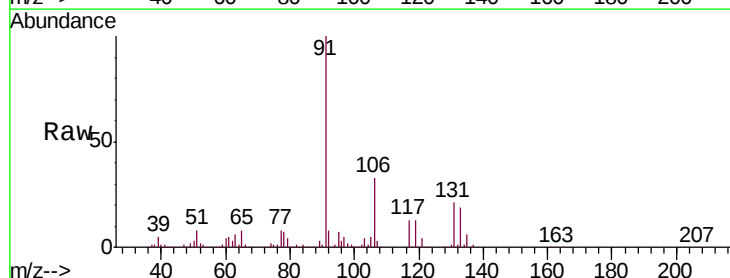
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

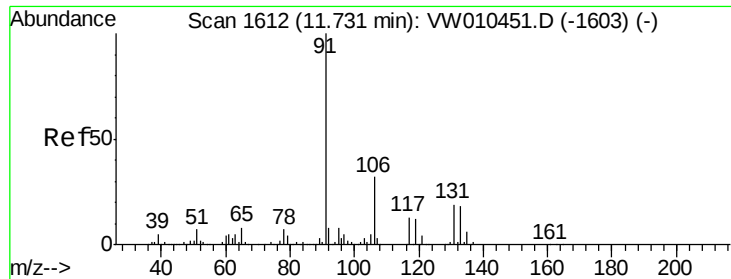
Tgt Ion:112 Resp: 292836
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 56.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion:131 Resp: 106371
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 63.8 32.1 96.5

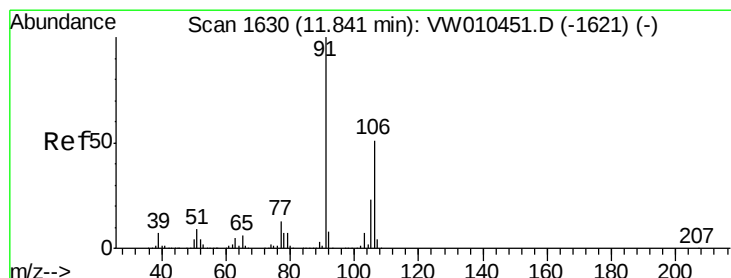
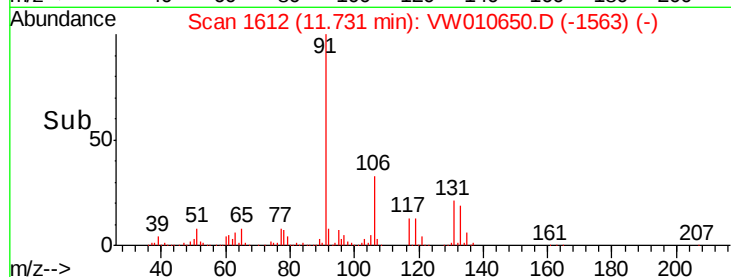
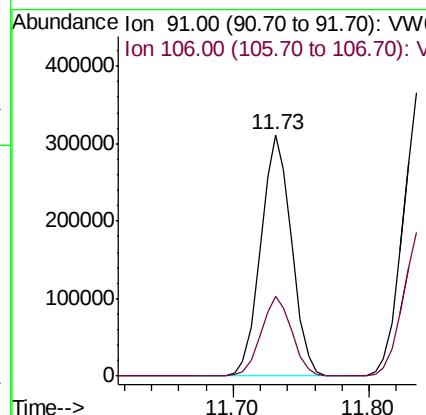
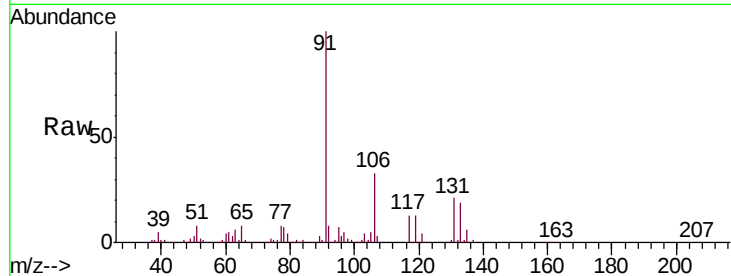




#67
Ethyl Benzene
Concen: 53.093 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

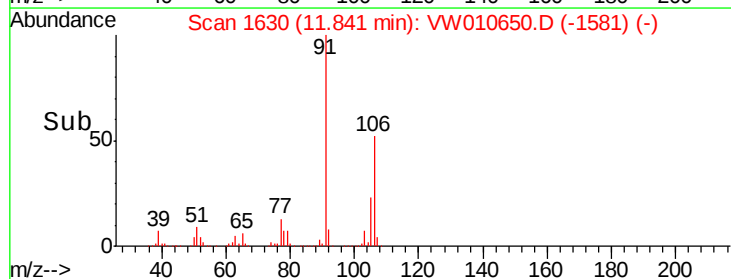
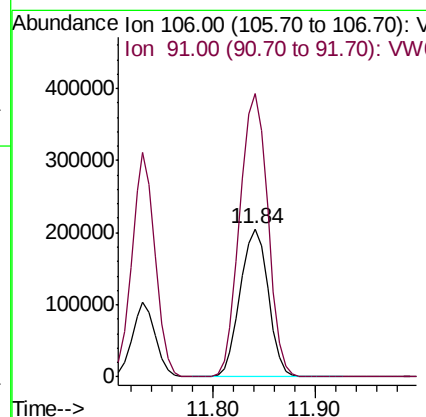
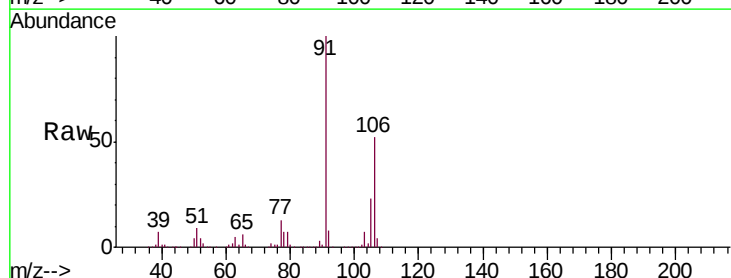
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

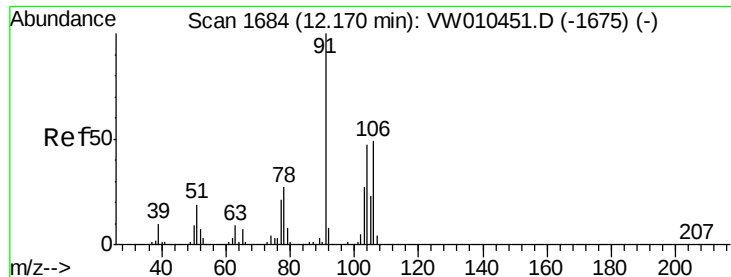
Tgt Ion: 91 Resp: 493418
Ion Ratio Lower Upper
91 100
106 33.3 25.9 38.9



#68
m/p-Xylenes
Concen: 107.075 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion: 106 Resp: 390308
Ion Ratio Lower Upper
106 100
91 191.9 156.0 234.0

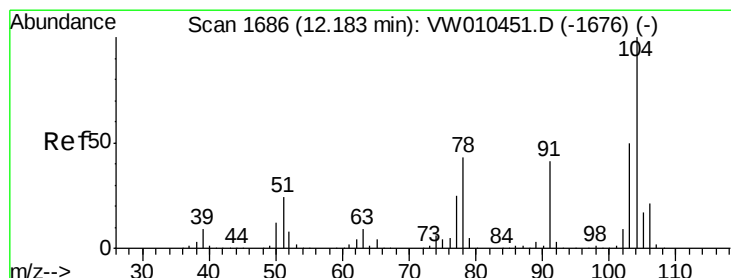
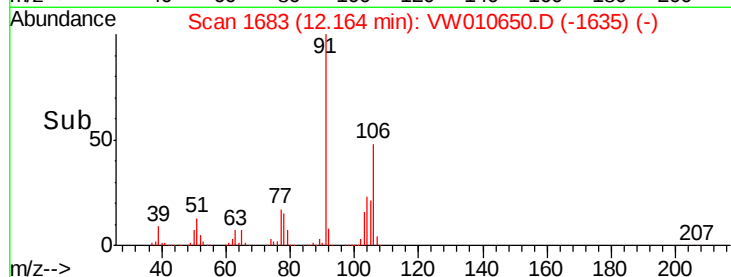
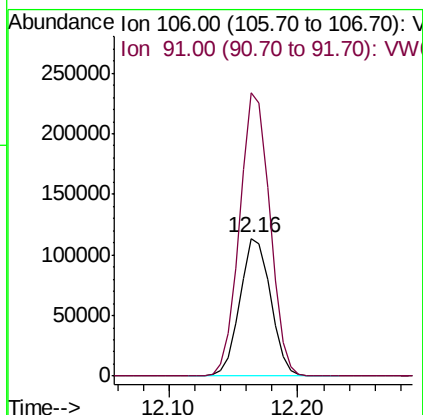
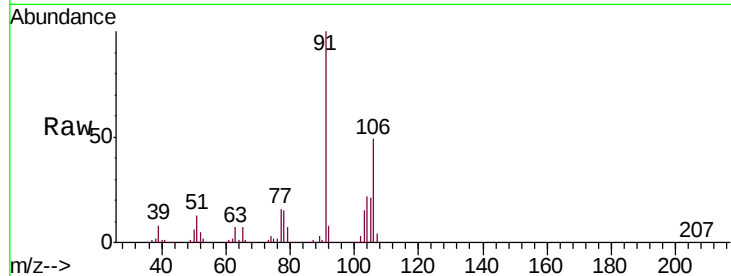




#69
o-Xylene
Concen: 54.186 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

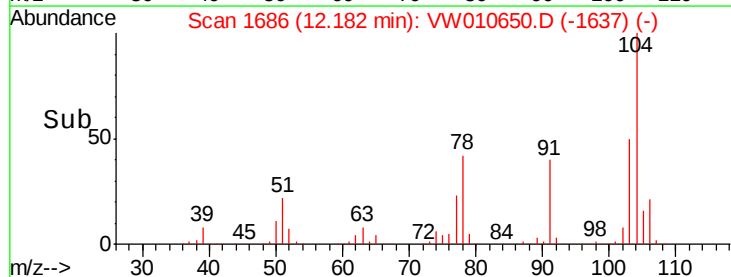
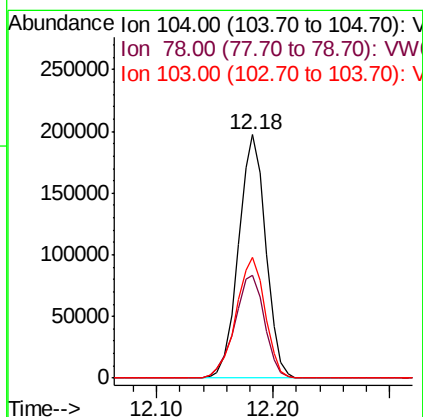
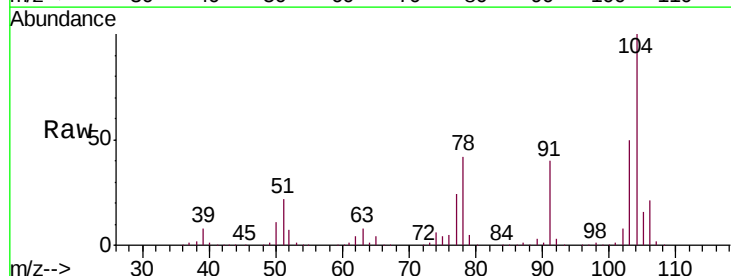
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

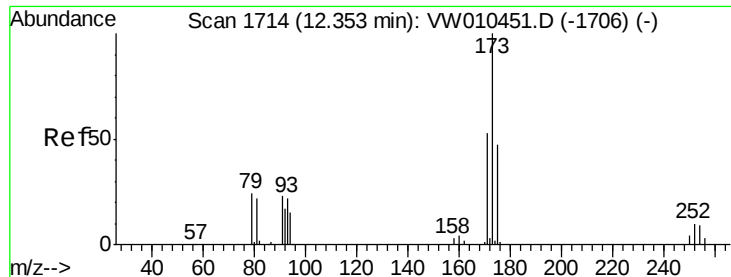
Tgt Ion:106 Resp: 187139
Ion Ratio Lower Upper
106 100
91 203.2 103.2 309.4



#70
Styrene
Concen: 54.836 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion:104 Resp: 321330
Ion Ratio Lower Upper
104 100
78 46.8 39.0 58.4
103 53.1 43.0 64.6





#71

Bromoform

Concen: 55.679 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

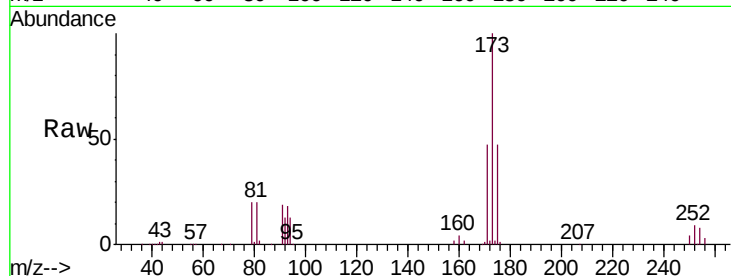
Tgt Ion:173 Resp: 57816

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

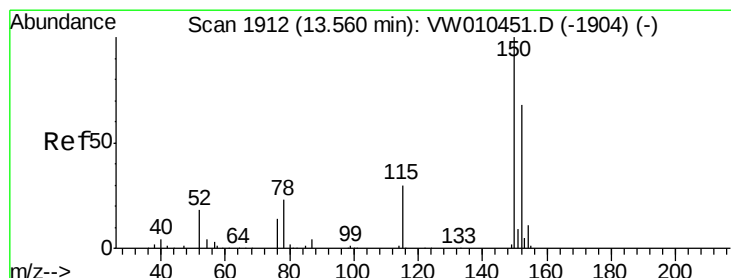
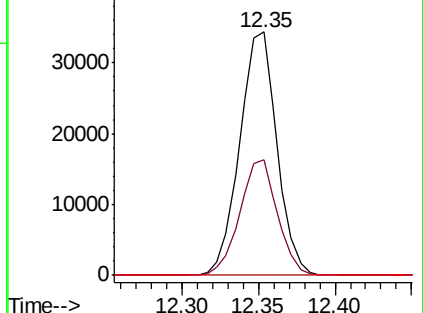
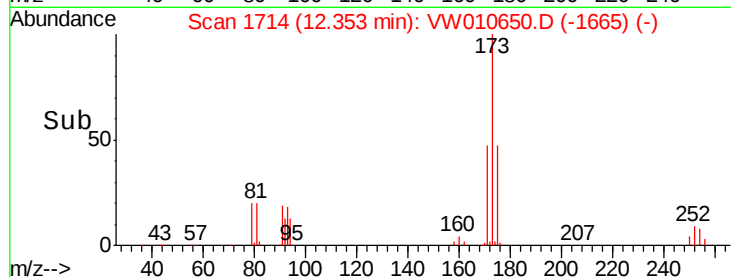
254 0.0 0.0 0.0



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: VW010650.D

Acq: 31 May 2019 21:53

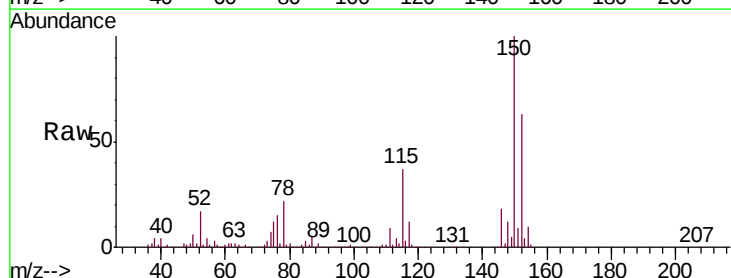
Tgt Ion:152 Resp: 125593

Ion Ratio Lower Upper

152 100

115 58.7 30.3 91.0

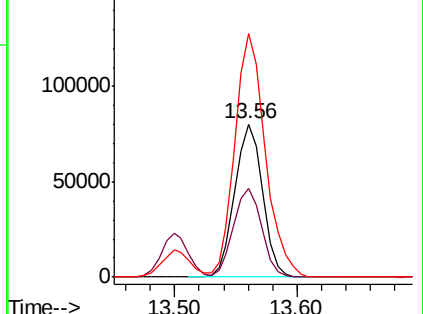
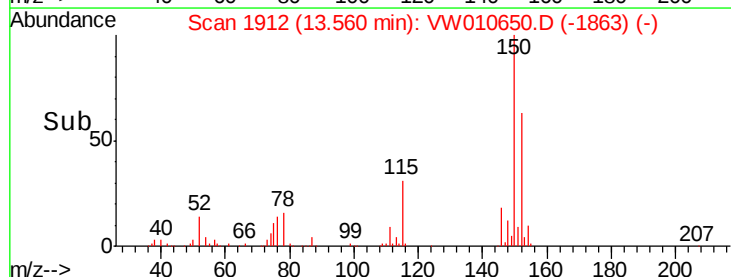
150 174.6 0.0 349.8

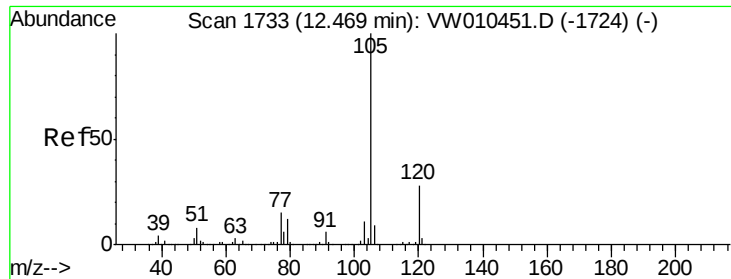


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.038 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

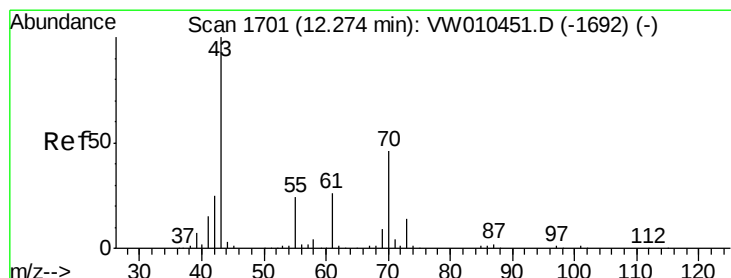
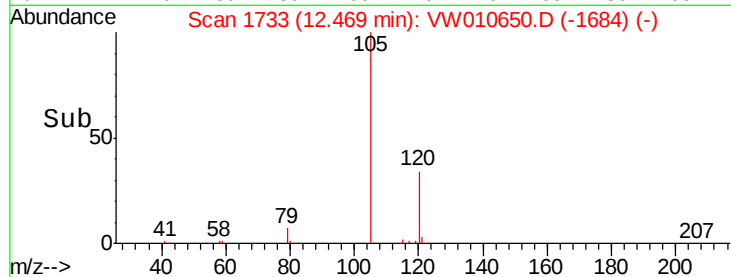
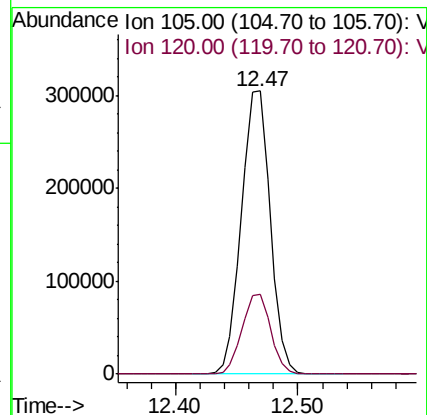
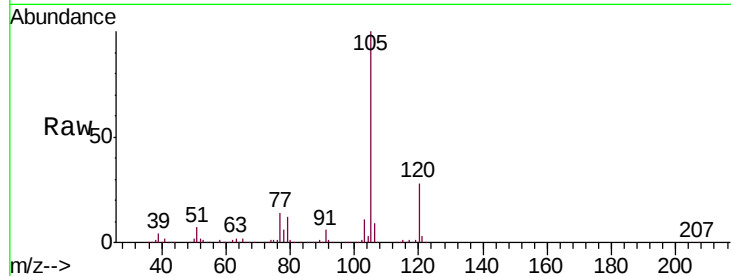
VSTDCCC050EC

Tgt Ion: 105 Resp: 498692

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7



#74

N-ethyl acetate

Concen: 47.336 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion: 43 Resp: 108106

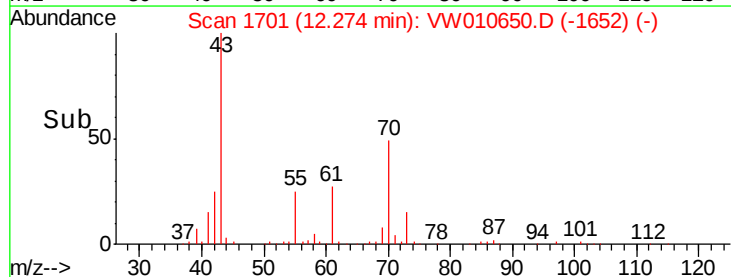
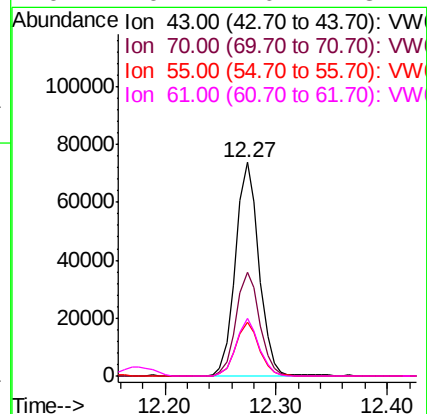
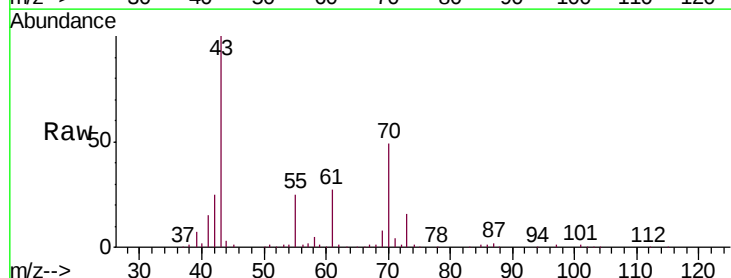
Ion Ratio Lower Upper

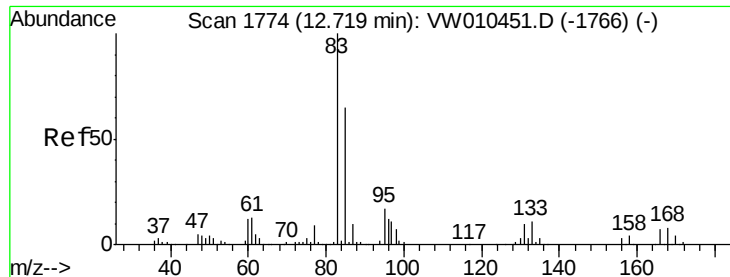
43 100

70 48.9 37.1 55.7

55 25.4 19.6 29.4

61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.956 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

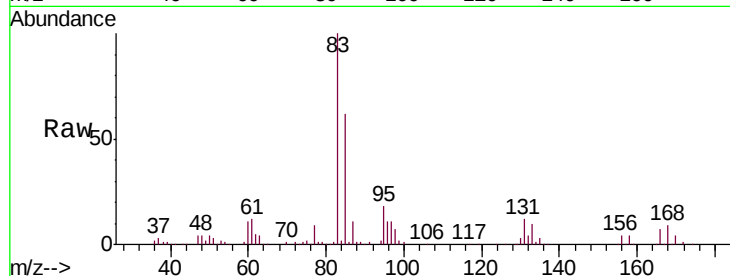
Tgt Ion: 83 Resp: 92369

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

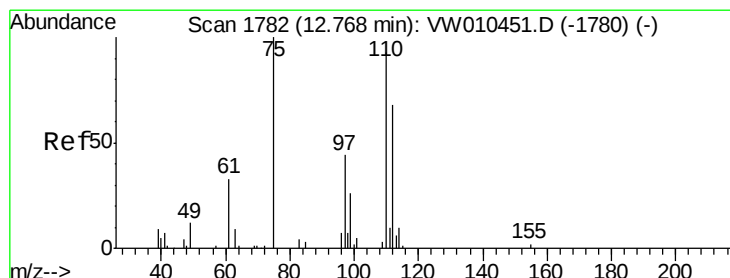
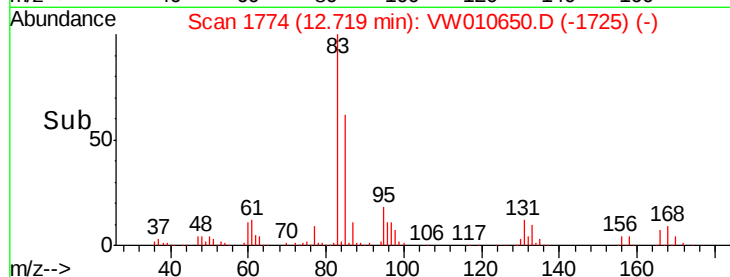
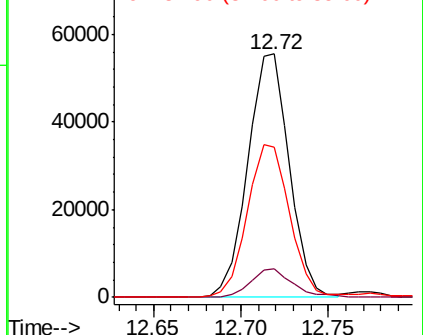
85 63.8 32.4 97.0



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: 87.548 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010650.D

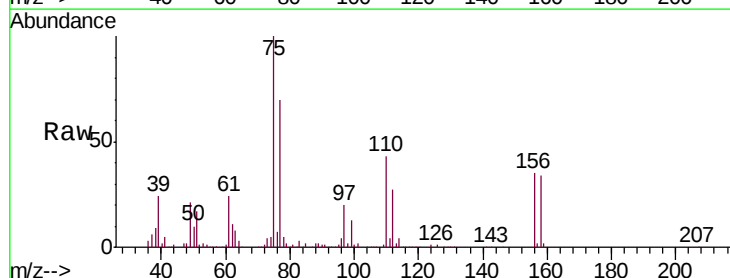
Acq: 31 May 2019 21:53

Tgt Ion: 75 Resp: 111610

Ion Ratio Lower Upper

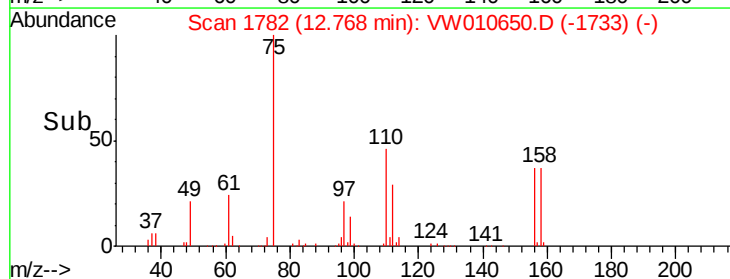
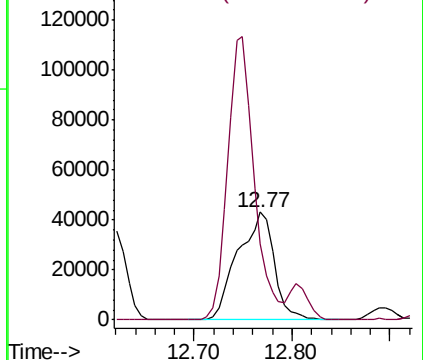
75 100

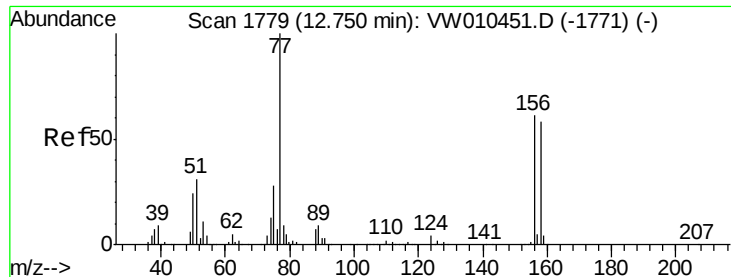
77 192.2 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.195 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

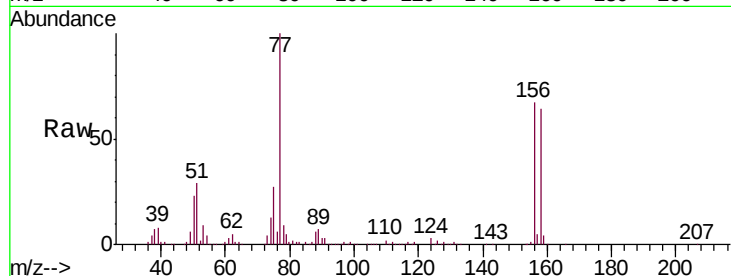
Tgt Ion:156 Resp: 125330

Ion Ratio Lower Upper

156 100

77 171.2 92.4 277.2

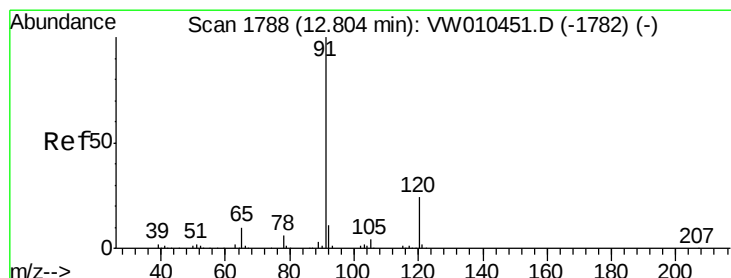
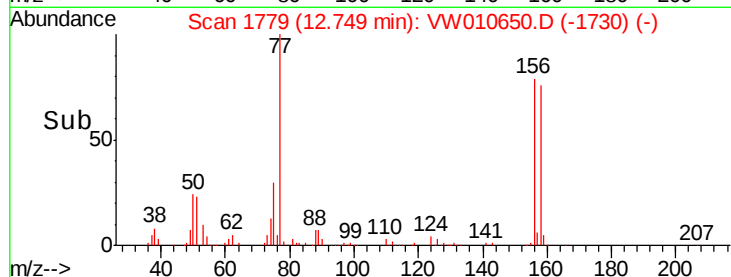
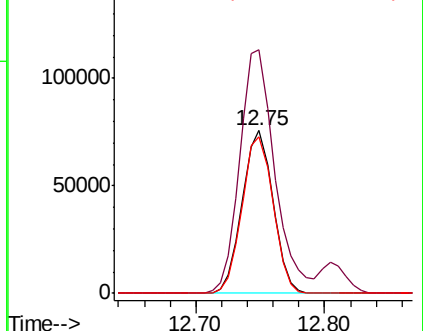
158 97.1 48.3 144.8



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: 48.635 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010650.D

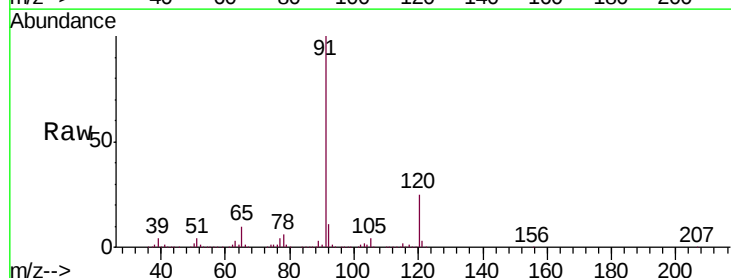
Acq: 31 May 2019 21:53

Tgt Ion: 91 Resp: 564863

Ion Ratio Lower Upper

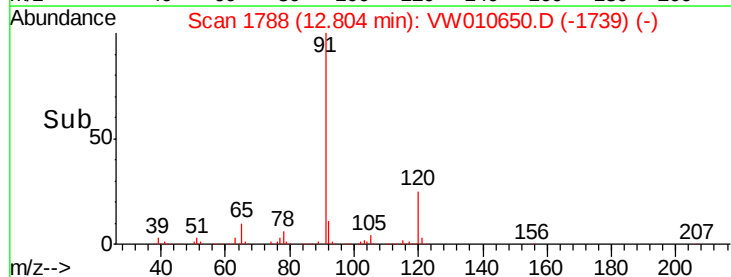
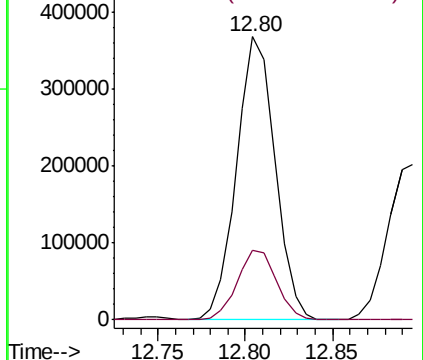
91 100

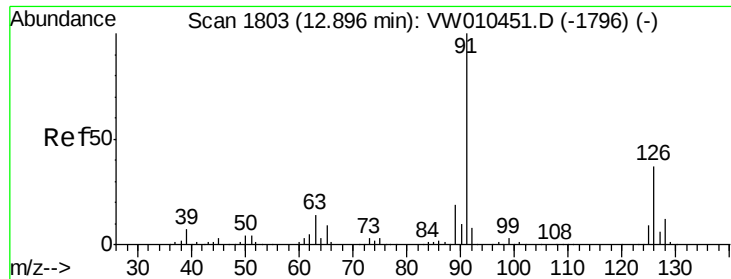
120 25.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.070 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

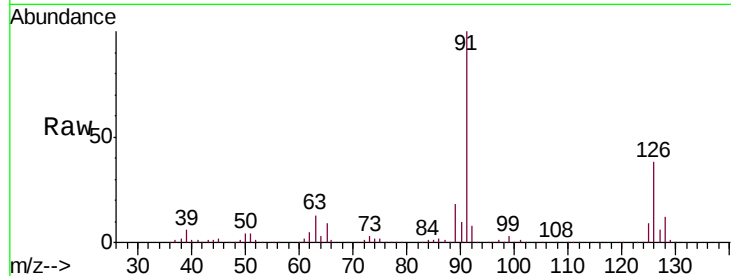
VSTDCCC050EC

Tgt Ion: 91 Resp: 337245

Ion Ratio Lower Upper

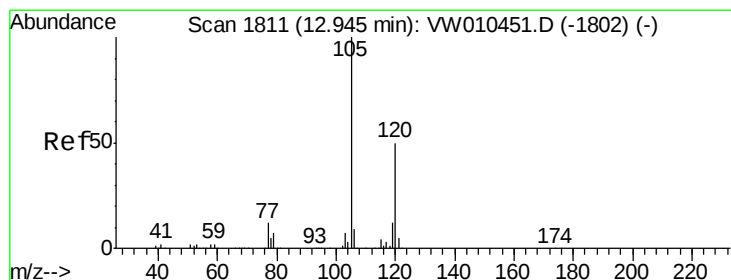
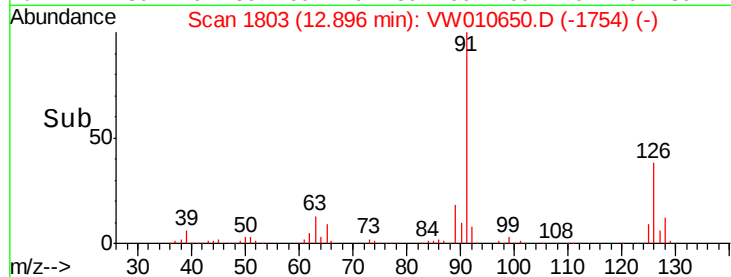
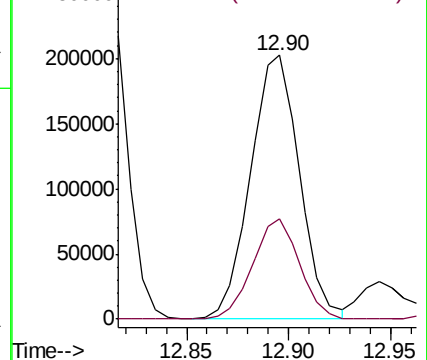
91 100

126 36.6 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: 50.159 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010650.D

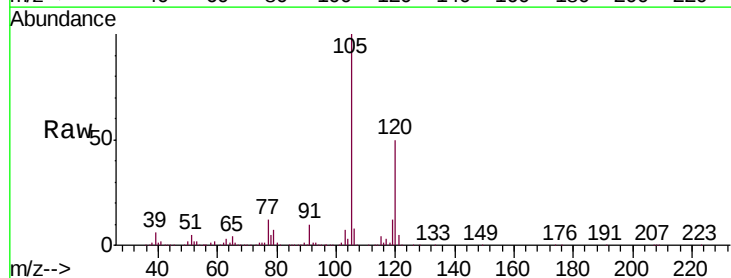
Acq: 31 May 2019 21:53

Tgt Ion: 105 Resp: 423384

Ion Ratio Lower Upper

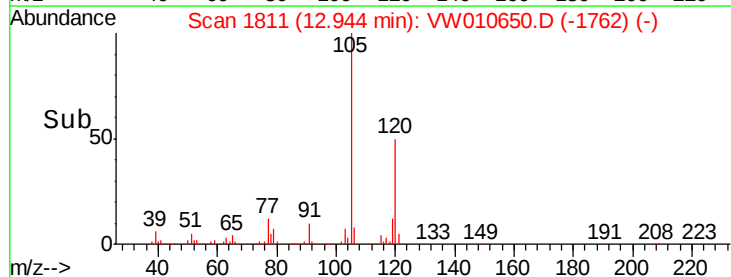
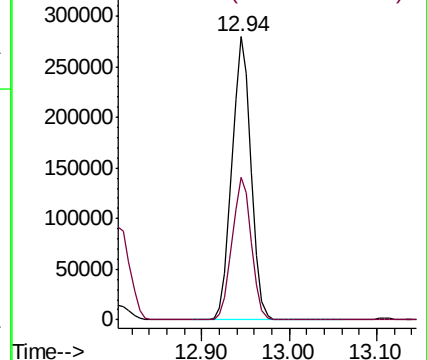
105 100

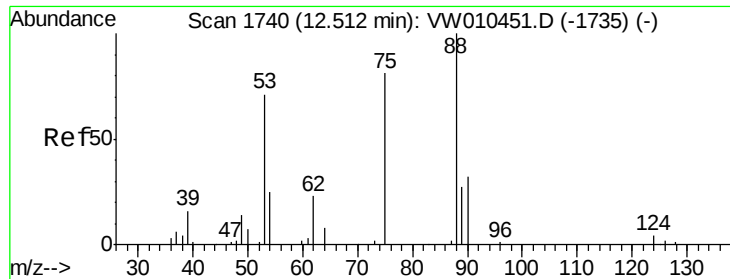
120 50.8 25.2 75.6



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: 43.101 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

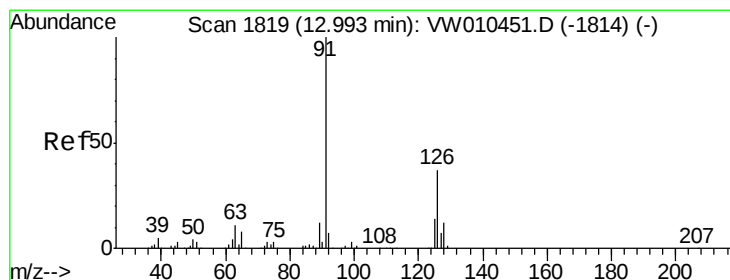
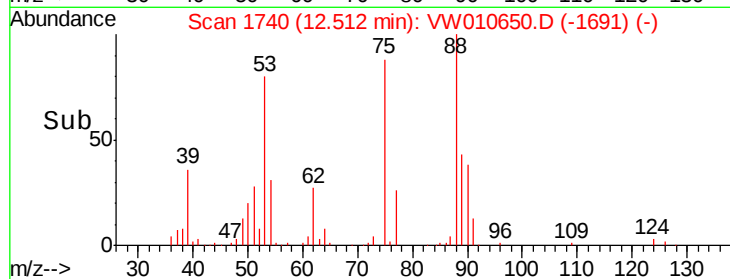
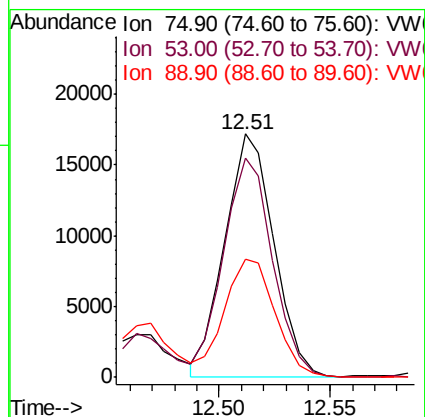
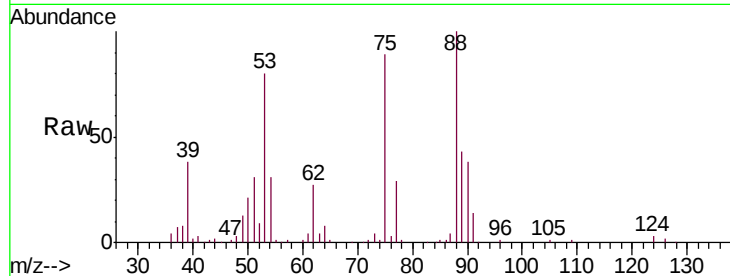
Tgt Ion: 75 Resp: 26328

Ion Ratio Lower Upper

75 100

53 89.8 69.8 104.8

89 50.5 39.5 59.3



#82

4-Chlorotoluene

Concen: 49.878 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010650.D

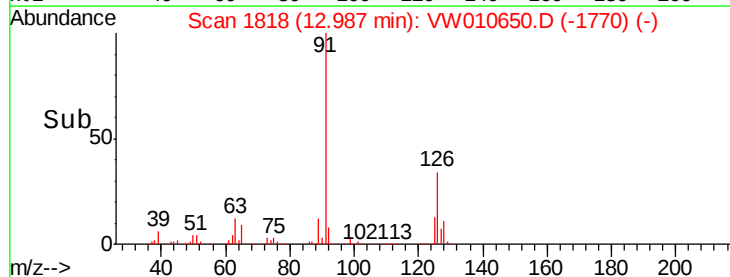
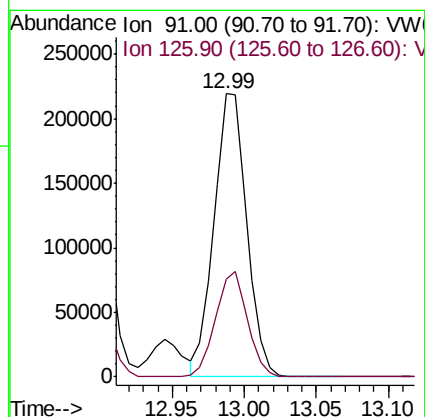
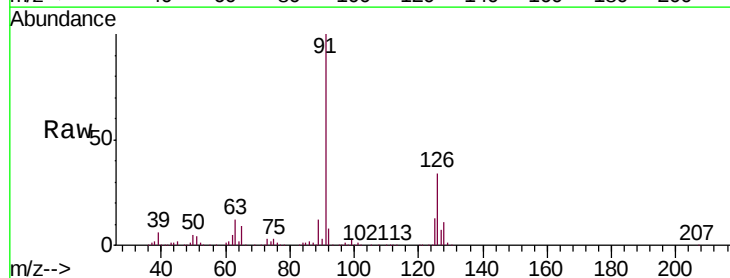
Acq: 31 May 2019 21:53

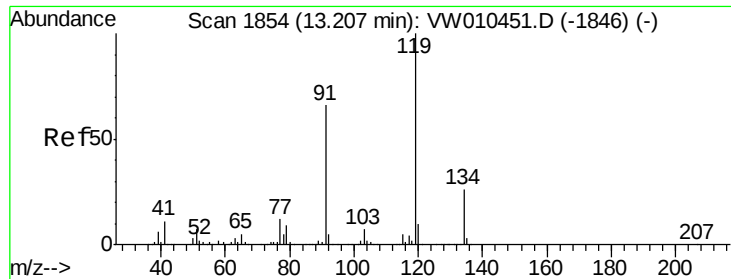
Tgt Ion: 91 Resp: 348702

Ion Ratio Lower Upper

91 100

126 36.3 17.5 52.6

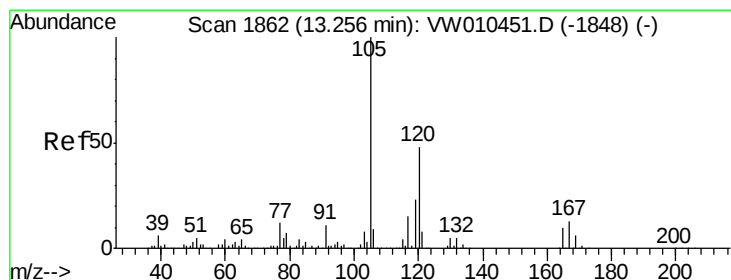
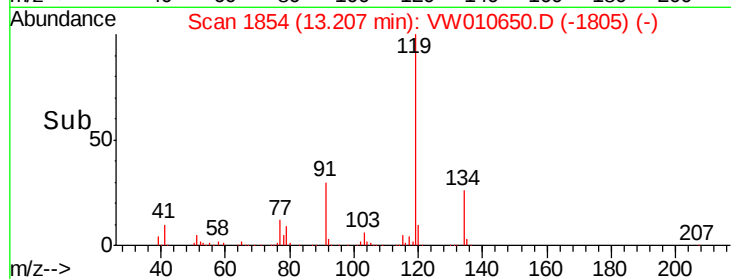
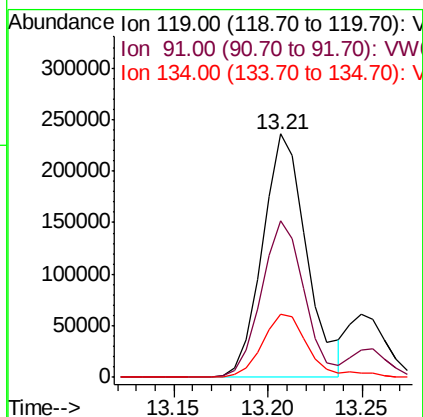
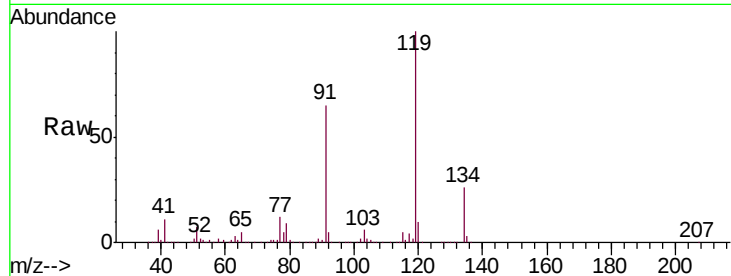




#83
 tert-Butylbenzene
 Concen: 51.966 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

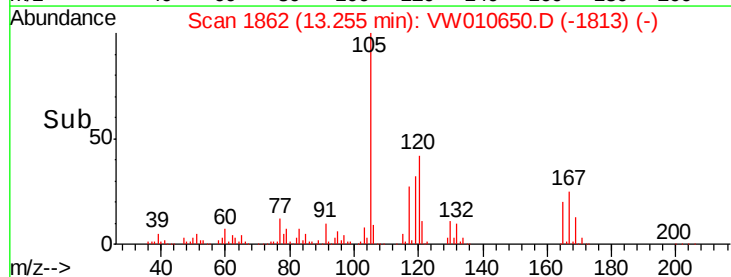
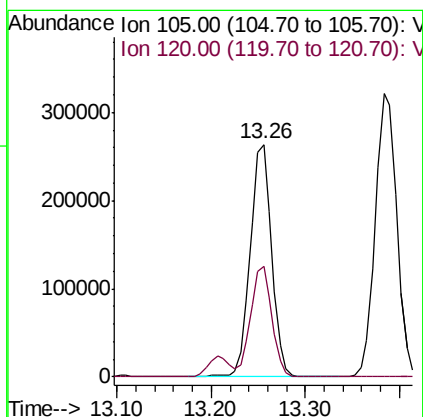
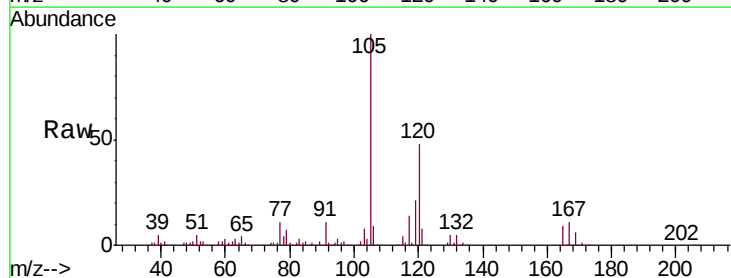
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

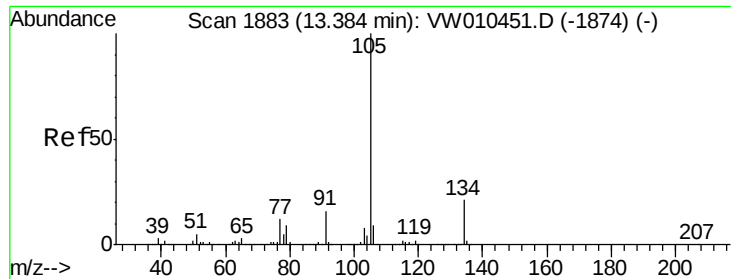
Tgt Ion:119 Resp: 383152
 Ion Ratio Lower Upper
 119 100
 91 62.6 33.1 99.5
 134 27.4 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.289 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion:105 Resp: 422766
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.2

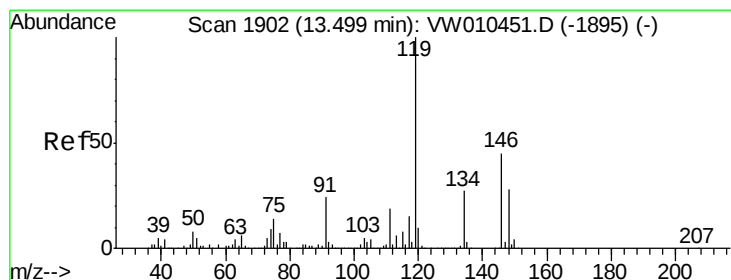
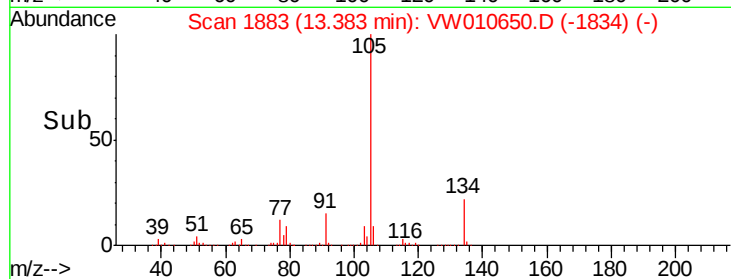
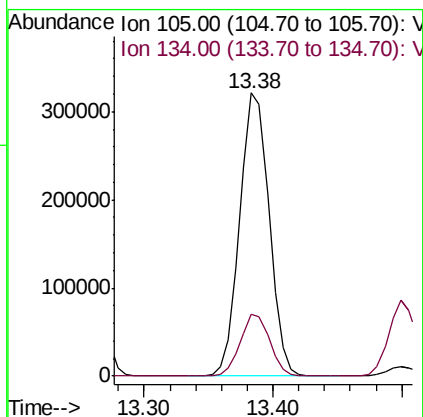
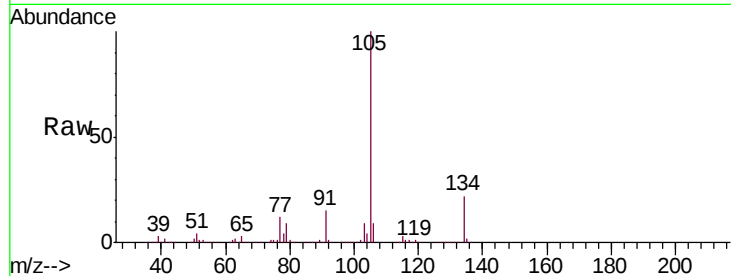




#85
 sec-Butylbenzene
 Concen: 49.260 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

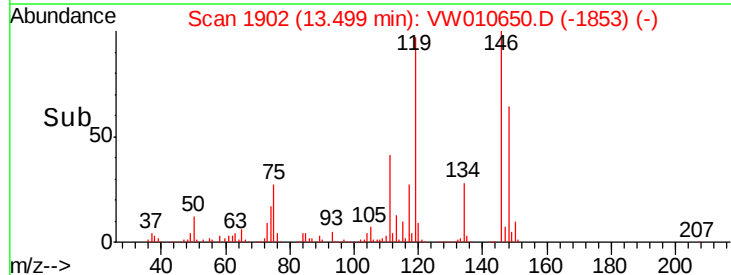
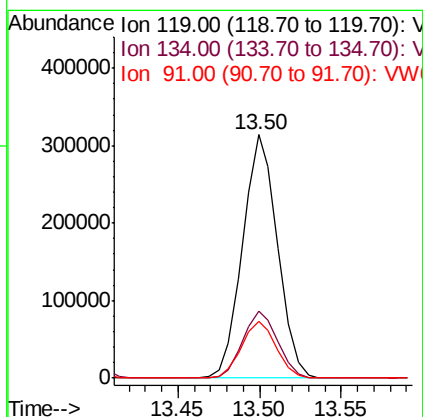
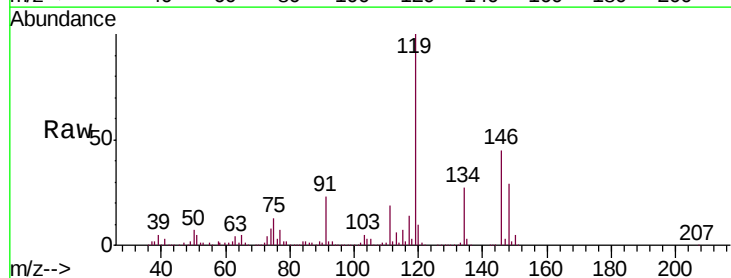
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

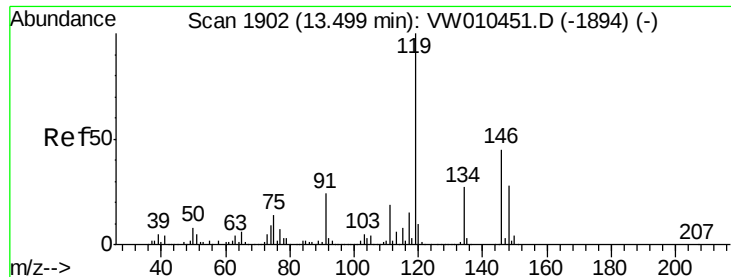
Tgt Ion:105 Resp: 508272
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 49.838 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion:119 Resp: 465453
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.7
 91 23.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 53.389 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

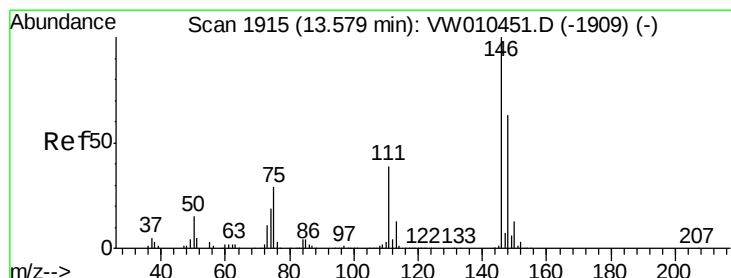
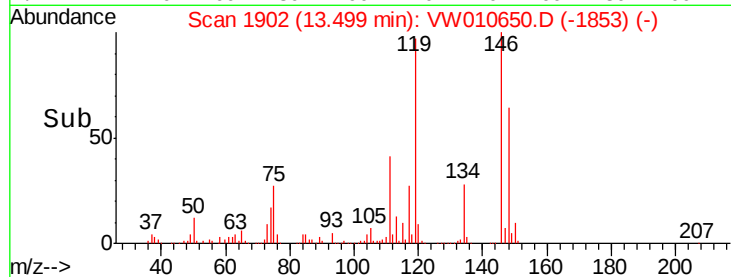
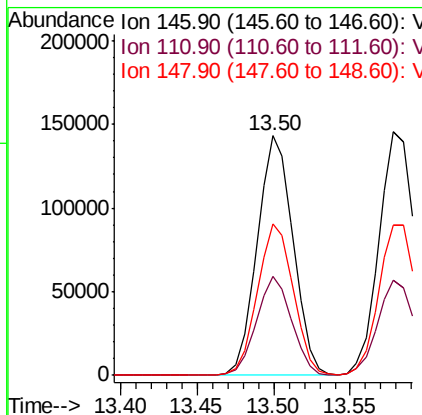
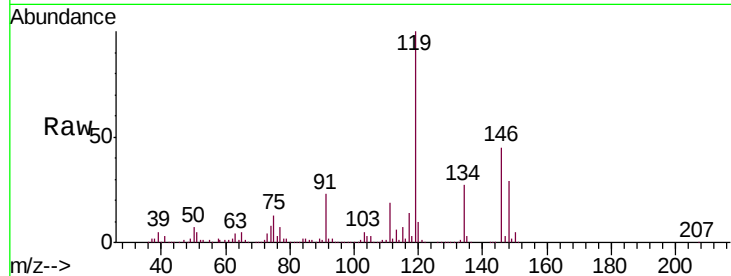
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	233611
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.2	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 54.260 ug/l

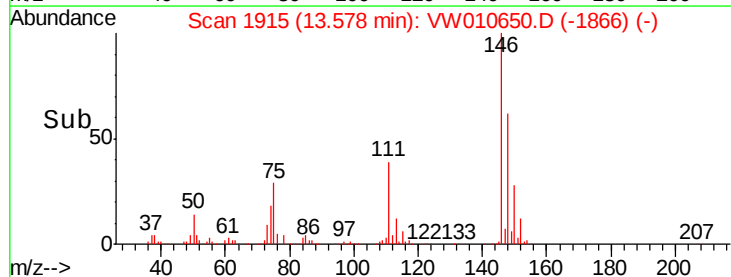
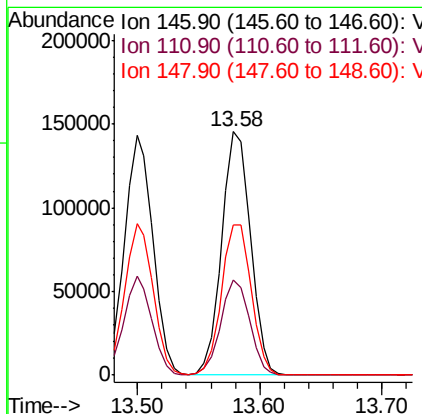
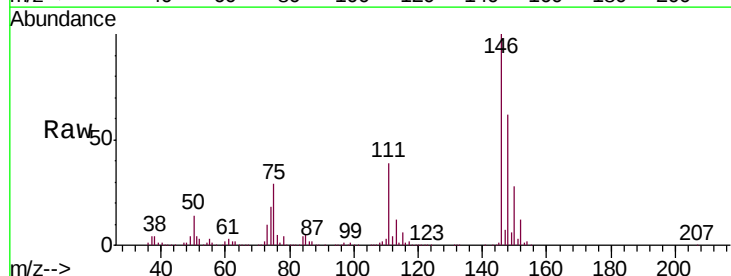
RT: 13.58 min Scan# 1915

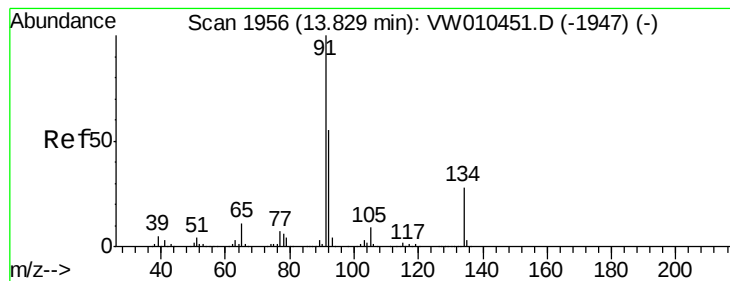
Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion:	146	Resp:	238209
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	63.8	31.6	94.8





#89

n-Butylbenzene

Concen: 48.202 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

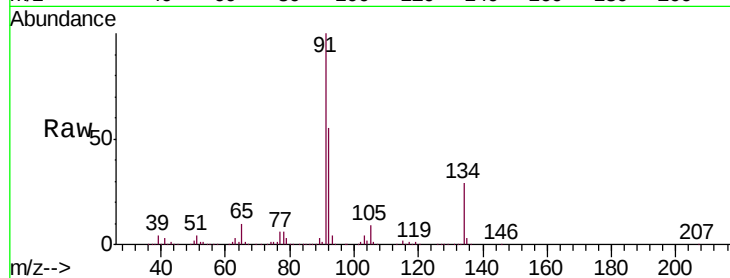
Tgt Ion: 91 Resp: 428199

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.1

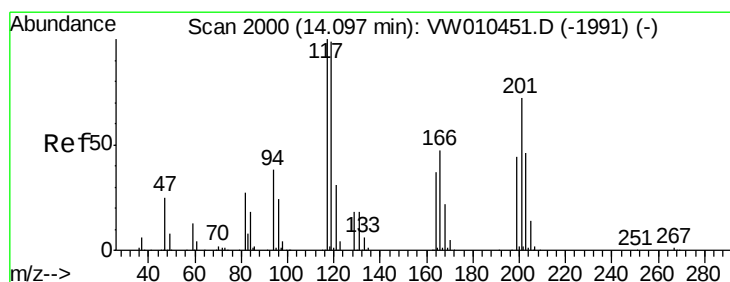
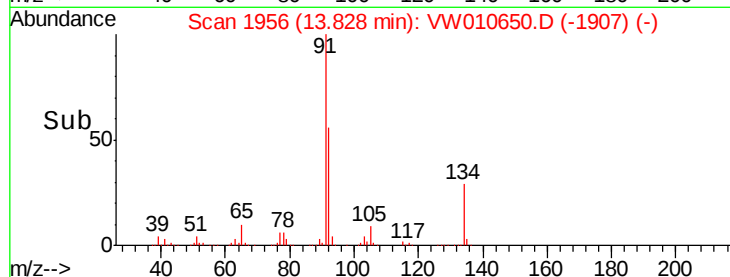
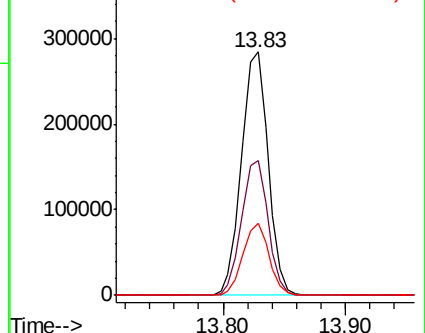
134 29.0 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.034 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010650.D

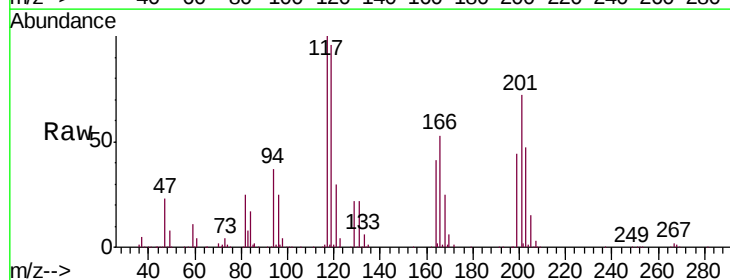
Acq: 31 May 2019 21:53

Tgt Ion: 117 Resp: 88639

Ion Ratio Lower Upper

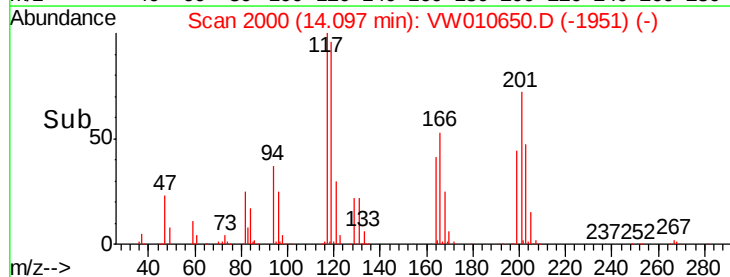
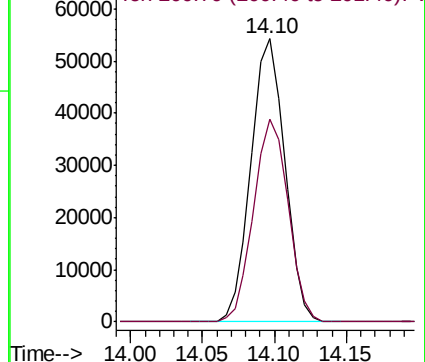
117 100

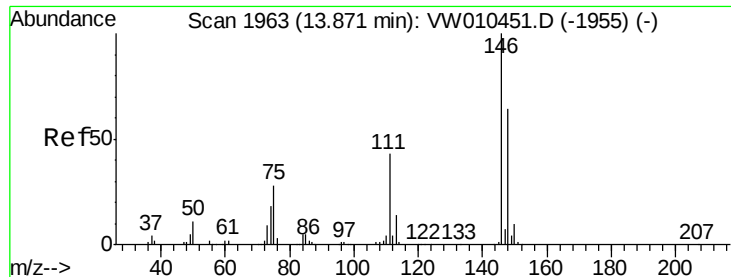
201 72.8 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

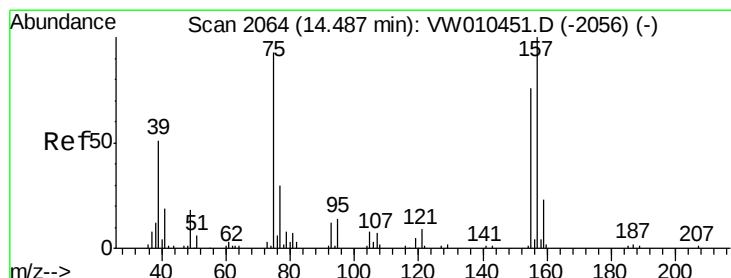
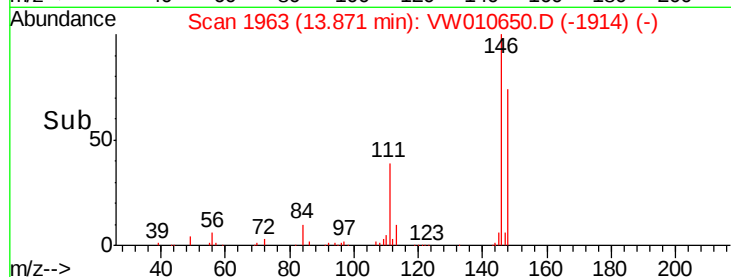
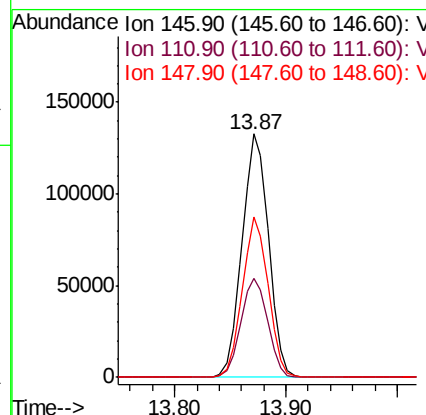
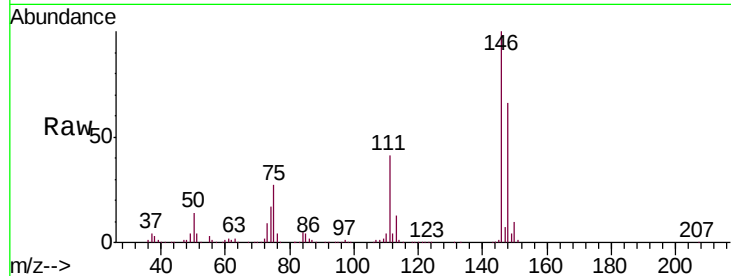




#91
 1,2-Dichlorobenzene
 Concen: 54.692 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

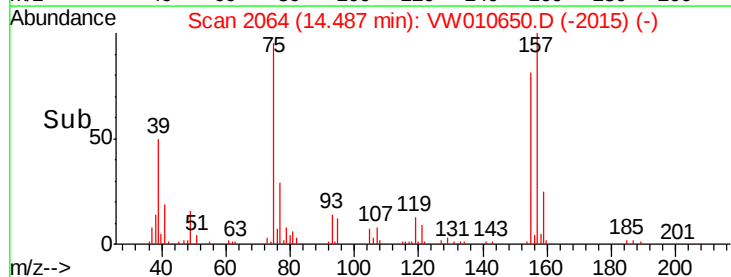
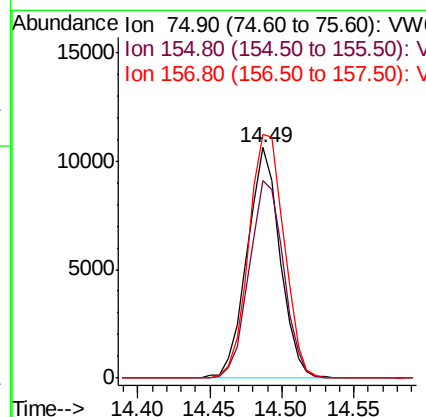
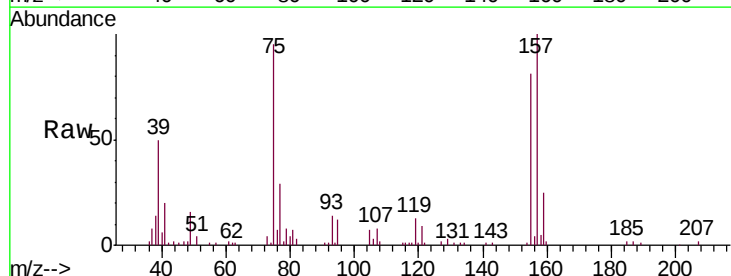
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

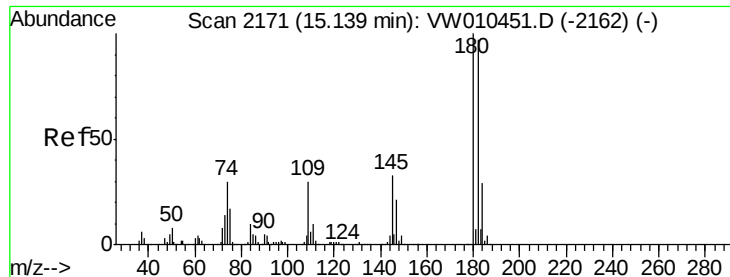
Tgt Ion: 146 Resp: 218050
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 64.0
 148 64.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.584 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 75 Resp: 16713
 Ion Ratio Lower Upper
 75 100
 155 89.1 43.0 129.0
 157 113.6 55.7 167.1

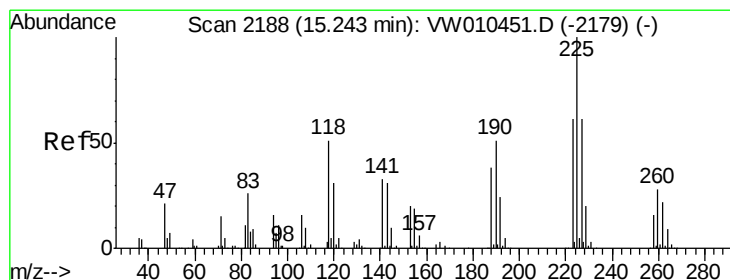
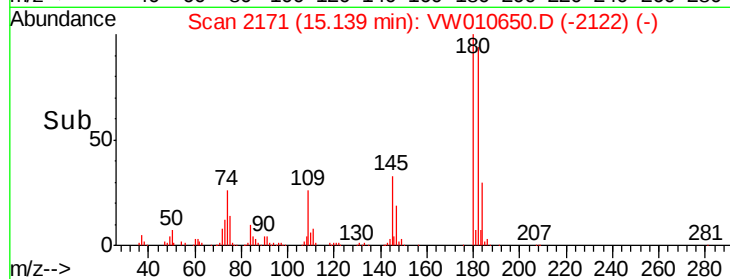
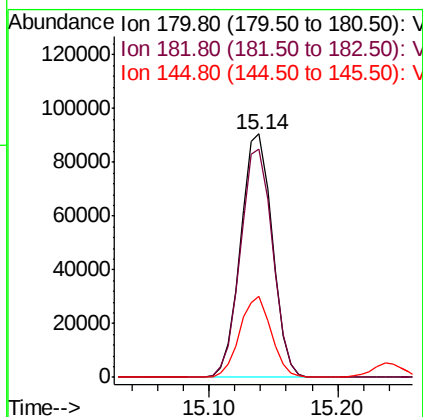
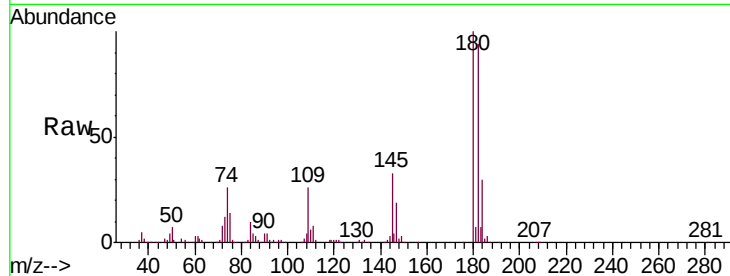




#93
 1,2,4-Trichlorobenzene
 Concen: 56.718 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

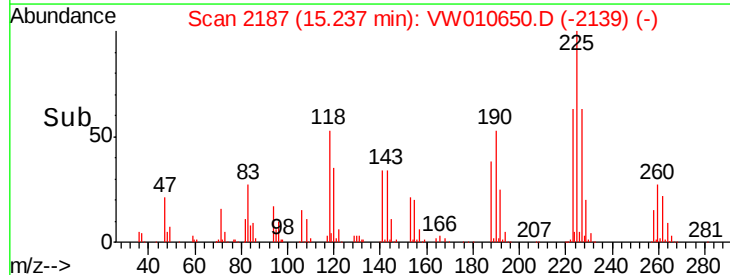
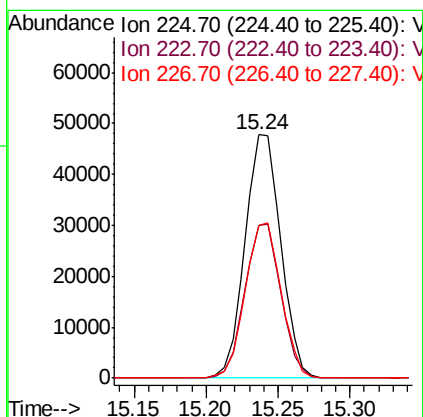
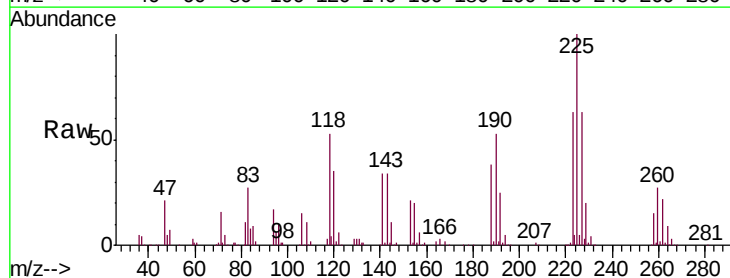
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

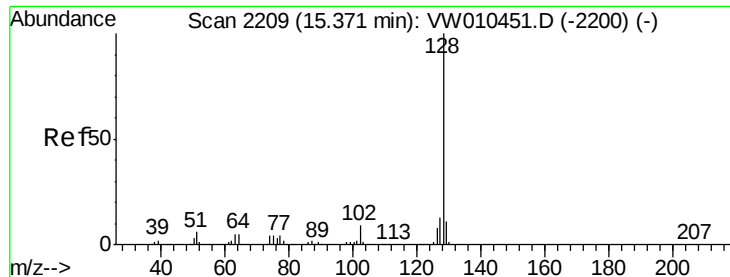
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	153855		
182	95.6	47.0	141.2	
145	32.9	16.7	50.0	



#94
 Hexachlorobutadiene
 Concen: 56.507 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81888		
223	63.6	31.1	93.2	
227	64.0	31.1	93.5	

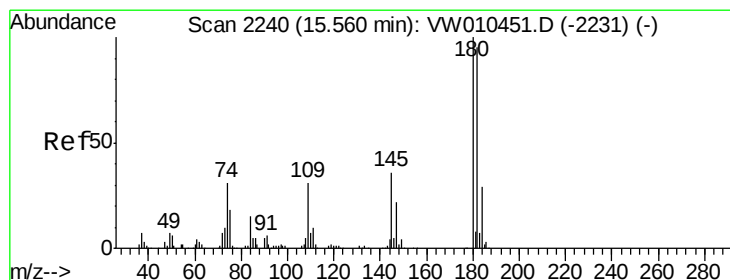
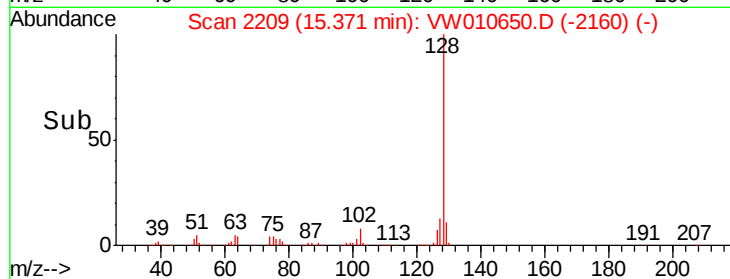
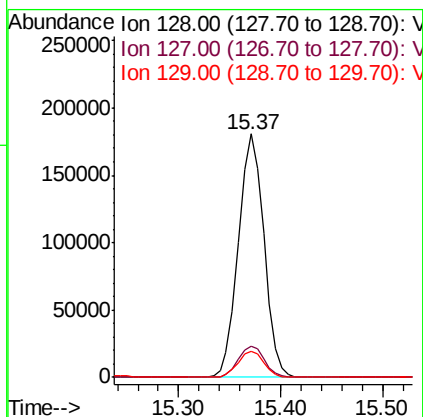
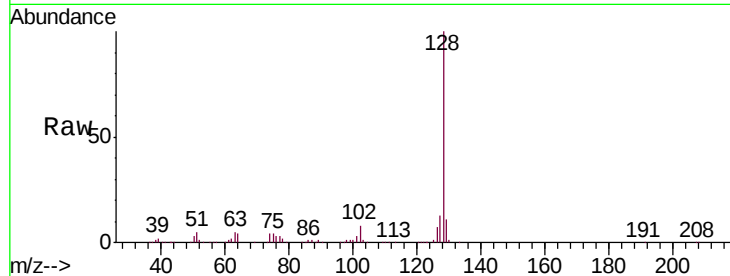




#95
Naphthalene
Concen: 55.144 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 57.584 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	35.0	17.4	52.3

