

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
 Data File : VW010543.D
 Acq On : 24 May 2019 10:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 11:09:38 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	156609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63665	39.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.78%	
35) Dibromofluoromethane	7.88	113	70150	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	10.32	98	276883	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.62	95	101941	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	72872	52.243	ug/l	100
3) Chloromethane	2.21	50	79099	48.071	ug/l	98
4) Vinyl Chloride	2.35	62	88075	46.210	ug/l	99
5) Bromomethane	2.76	94	58962	44.968	ug/l	97
6) Chloroethane	2.91	64	59470	48.606	ug/l	98
7) Trichlorofluoromethane	3.25	101	158257	56.241	ug/l	100
8) Diethyl Ether	3.68	74	42929	48.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98008	56.557	ug/l	98
10) Methyl Iodide	4.27	142	108656	54.857	ug/l	97
11) Tert butyl alcohol	5.17	59	27919	192.015	ug/l	98
12) 1,1-Dichloroethene	4.03	96	90924	54.966	ug/l	97
13) Acrolein	3.89	56	22940	272.798	ug/l	99
14) Allyl chloride	4.67	41	123803	51.704	ug/l	99
15) Acrylonitrile	5.37	53	78028	208.875	ug/l	99
16) Acetone	4.12	43	78852	238.976	ug/l	99
17) Carbon Disulfide	4.37	76	260349	52.766	ug/l	99
18) Methyl Acetate	4.67	43	32555	40.342	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	198976	47.183	ug/l	97
20) Methylene Chloride	4.92	84	91220	46.791	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	102743	54.149	ug/l	99
22) Diisopropyl ether	6.31	45	246199	50.145	ug/l	98
23) Vinyl Acetate	6.25	43	693780	236.559	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157840	53.872	ug/l	98
25) 2-Butanone	7.17	43	103039	218.211	ug/l	97
26) 2,2-Dichloropropane	7.17	77	158134	56.661	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	111389	53.998	ug/l	99
28) Bromochloromethane	7.51	49	46653	44.473	ug/l	92
29) Tetrahydrofuran	7.52	42	62542	195.733	ug/l	98
30) Chloroform	7.67	83	169540	53.646	ug/l	99
31) Cyclohexane	7.95	56	155459	50.653	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	168260	55.705	ug/l	98
36) 1,1-Dichloropropene	8.08	75	139406	58.241	ug/l	99
37) Ethyl Acetate	7.25	43	45026	44.235	ug/l	99
38) Carbon Tetrachloride	8.07	117	153343	59.387	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	187157	58.362	ug/l	96
40) Benzene	8.32	78	382609	57.510	ug/l	100
41) Methacrylonitrile	7.48	41	26516	43.843	ug/l	97
42) 1,2-Dichloroethane	8.40	62	99785	52.478	ug/l	100
43) Isopropyl Acetate	8.42	43	90589	44.549	ug/l	97
44) Trichloroethene	9.09	130	118050	59.769	ug/l	97
45) 1,2-Dichloropropane	9.37	63	87253	55.222	ug/l	98
46) Dibromomethane	9.46	93	48890	52.909	ug/l	97
47) Bromodichloromethane	9.65	83	127281	54.813	ug/l	99
48) Methyl methacrylate	9.43	41	43660	46.931	ug/l	95
49) 1,4-Dioxane	9.45	88	12563	832.273	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	221515	214.977	ug/l	98
52) Toluene	10.39	92	256965	57.514	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	123631	52.569	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	148130	55.152	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70020	52.695	ug/l	98
56) Ethyl methacrylate	10.65	69	86751	47.337	ug/l	97
57) 1,3-Dichloropropane	10.93	76	115888	52.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	164551	202.719	ug/l	97
59) 2-Hexanone	10.97	43	162726	221.383	ug/l	98
60) Dibromochloromethane	11.13	129	91182	54.220	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68549	50.926	ug/l	98
64) Tetrachloroethene	10.86	164	95615	61.648	ug/l	97
65) Chlorobenzene	11.66	112	279205	58.882	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98796	58.162	ug/l	99
67) Ethyl Benzene	11.73	91	487889	58.277	ug/l	99
68) m/p-Xylenes	11.84	106	382829	116.585	ug/l	99
69) o-Xylene	12.16	106	180669	58.072	ug/l	98
70) Styrene	12.18	104	303907	57.572	ug/l	99
71) Bromoform	12.35	173	47989	51.303	ug/l #	99
73) Isopropylbenzene	12.46	105	497238	59.290	ug/l	100
74) N-amyl acetate	12.27	43	83718	43.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73384	48.108	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	96037	89.521	ug/l #	1
77) Bromobenzene	12.75	156	111420	59.368	ug/l	95
78) n-propylbenzene	12.80	91	570745	58.397	ug/l	99
79) 2-Chlorotoluene	12.90	91	325089	57.356	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	409041	57.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	24237	47.151	ug/l	98
82) 4-Chlorotoluene	12.99	91	334192	56.806	ug/l	98
83) tert-Butylbenzene	13.21	119	360479	58.100	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	400476	56.610	ug/l	99
85) sec-Butylbenzene	13.38	105	504390	58.091	ug/l	99
86) p-Isopropyltoluene	13.50	119	452600	57.590	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	212844	57.805	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	214022	57.933	ug/l	99
89) n-Butylbenzene	13.83	91	427528	57.192	ug/l	99
90) Hexachloroethane	14.10	117	90112	59.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	188344	56.139	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12017	42.367	ug/l	95

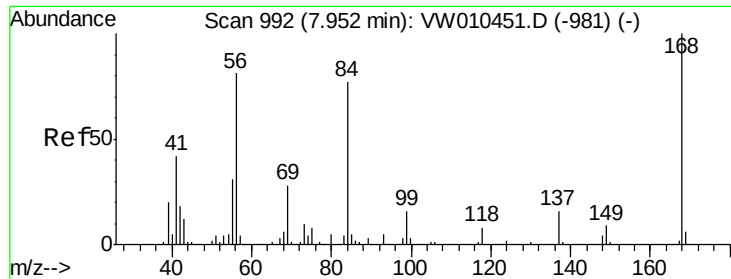
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	127705	55.945	ug/l	99
94) Hexachlorobutadiene	15.24	225	73919	60.616	ug/l	100
95) Naphthalene	15.37	128	229676	47.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107401	54.680	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

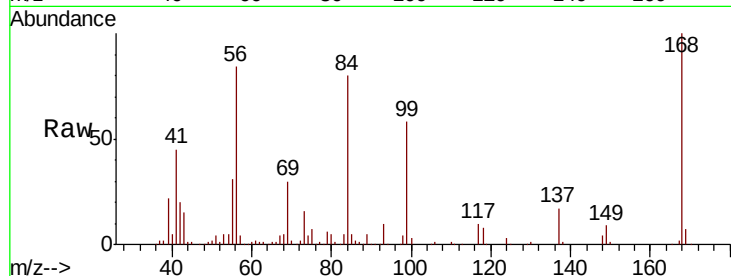
VSTDCCC050

Tgt Ion:168 Resp: 156609

Ion Ratio Lower Upper

168 100

99 57.7 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

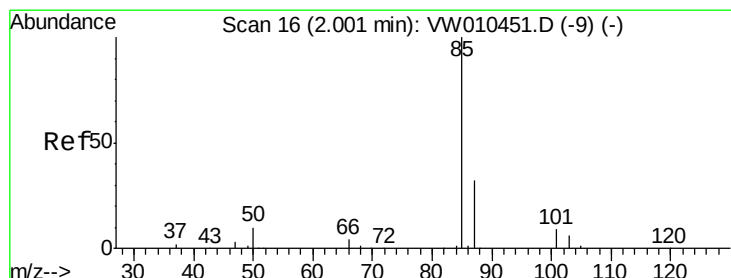
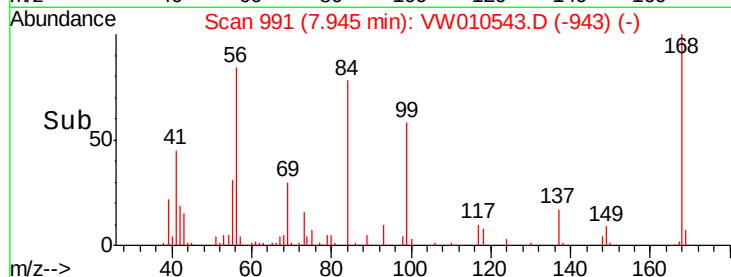
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.243 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010543.D

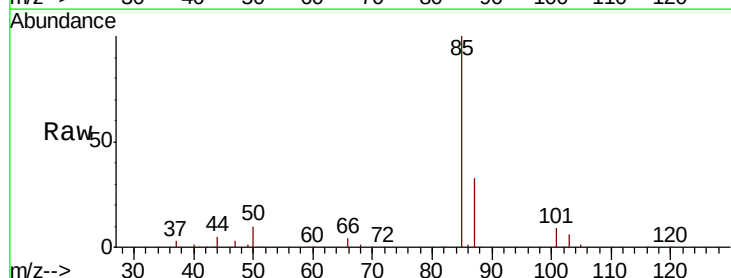
Acq: 24 May 2019 10:49

Tgt Ion: 85 Resp: 72872

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

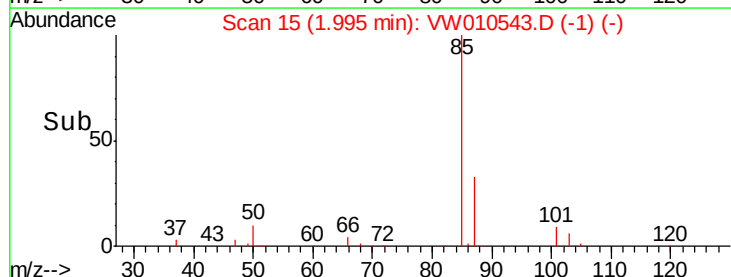
20000

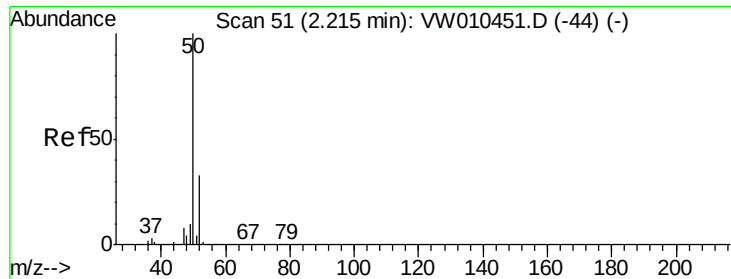
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.071 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

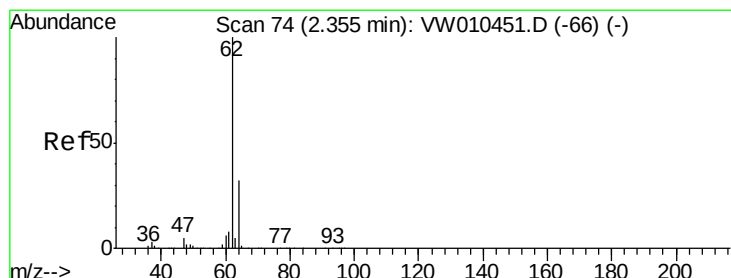
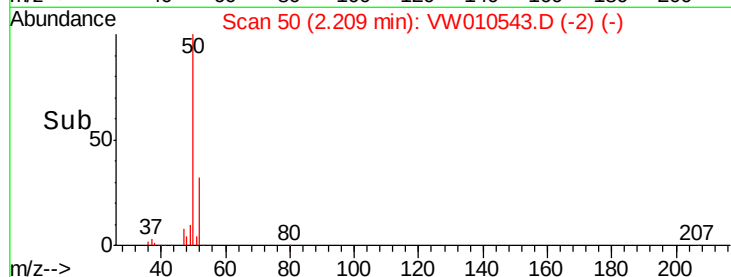
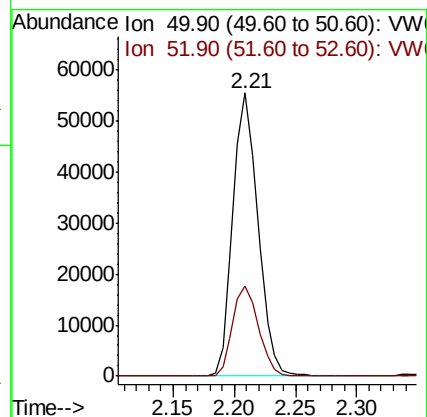
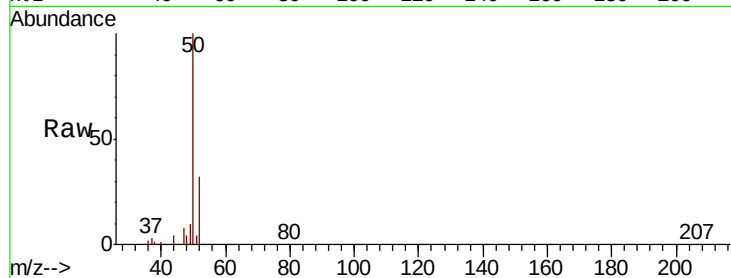
VSTDCCC050

Tgt Ion: 50 Resp: 79099

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5



#4

Vinyl Chloride

Concen: 46.210 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010543.D

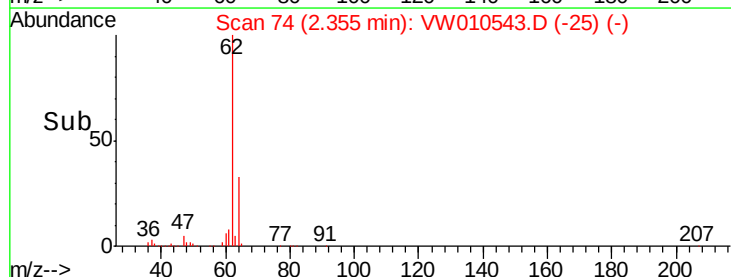
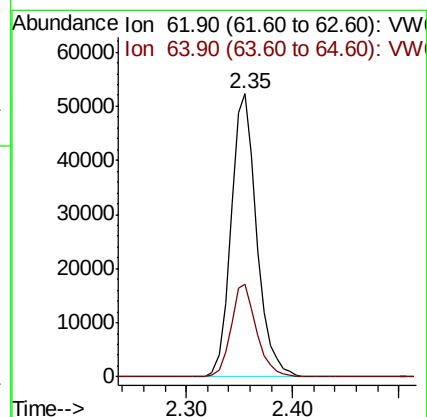
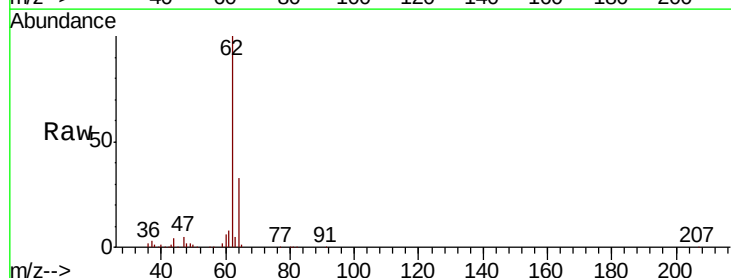
Acq: 24 May 2019 10:49

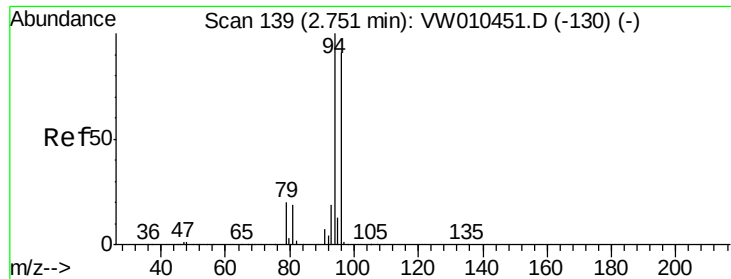
Tgt Ion: 62 Resp: 88075

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 44.968 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

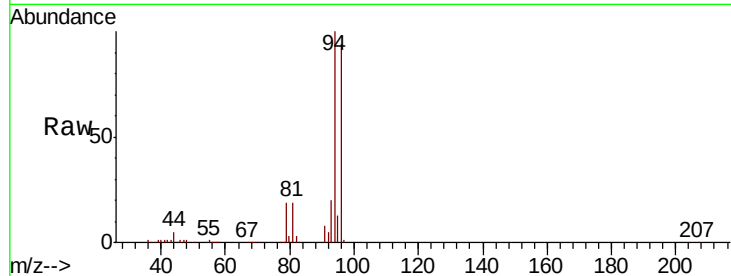
VSTDCCC050

Tgt Ion: 94 Resp: 58962

Ion Ratio Lower Upper

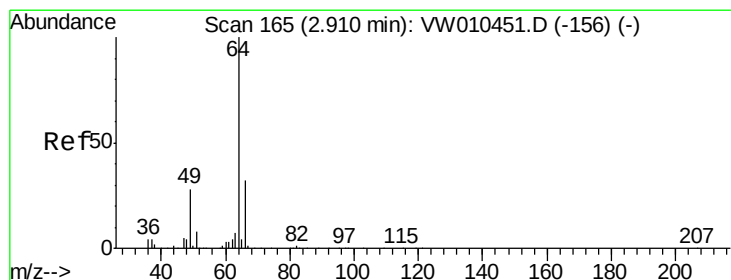
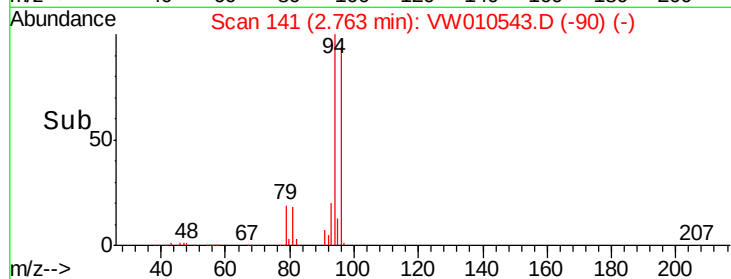
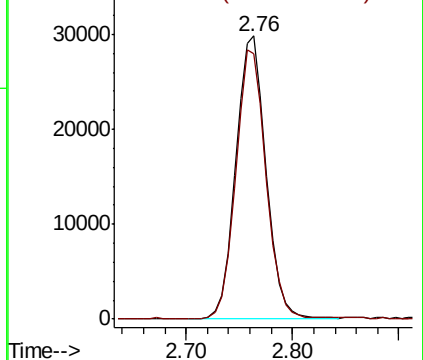
94 100

96 93.5 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.606 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010543.D

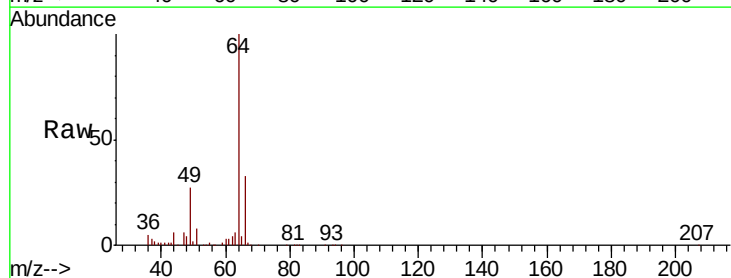
Acq: 24 May 2019 10:49

Tgt Ion: 64 Resp: 59470

Ion Ratio Lower Upper

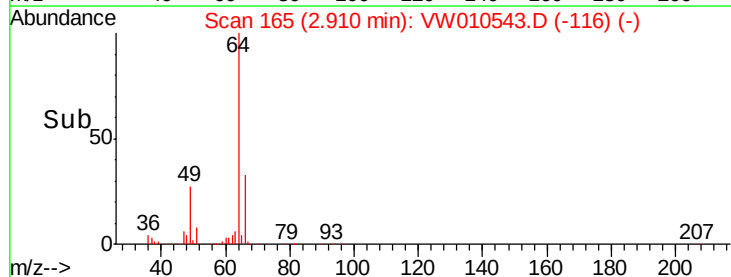
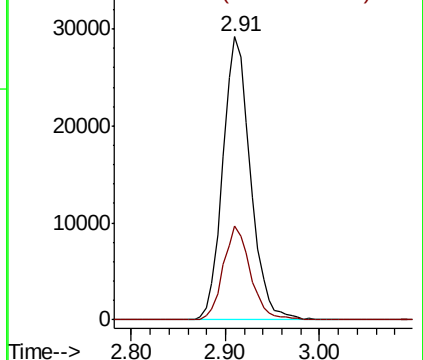
64 100

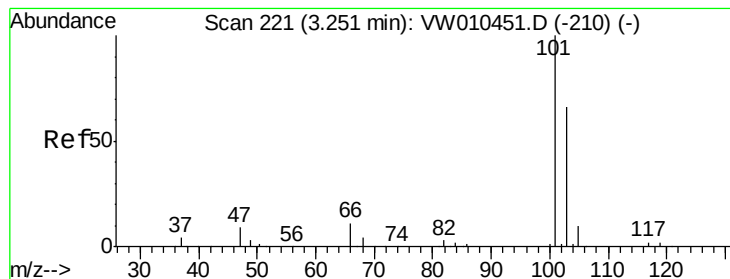
66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



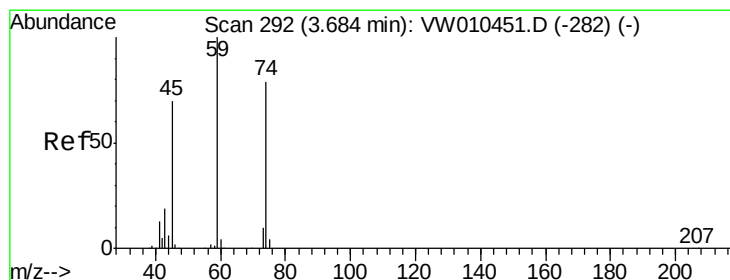
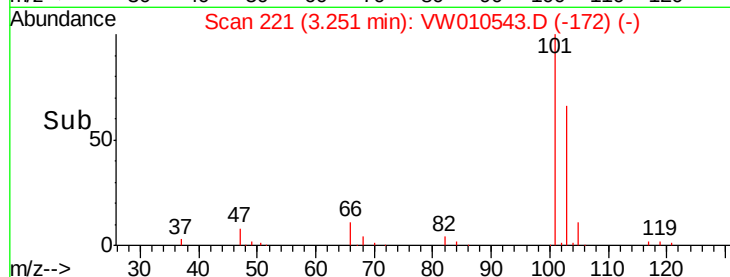
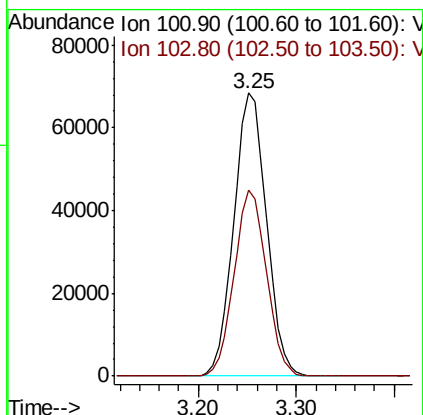
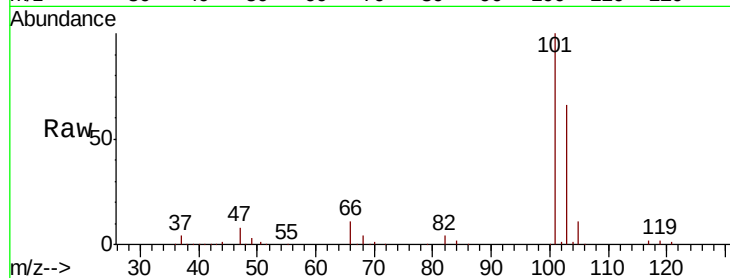


#7

Trichlorofluoromethane
 Concen: 56.241 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
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 ClientSampleId :
 VSTDCCC050

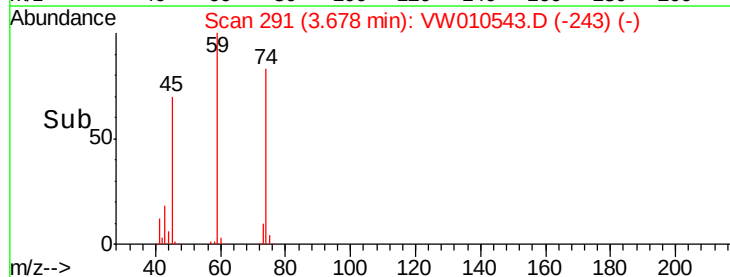
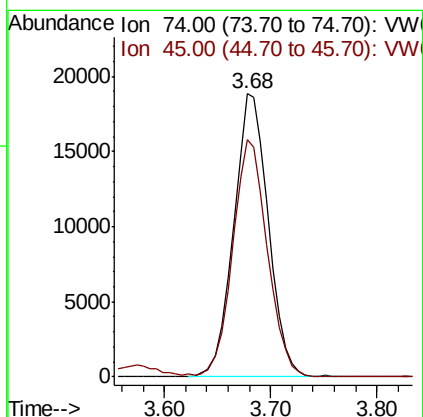
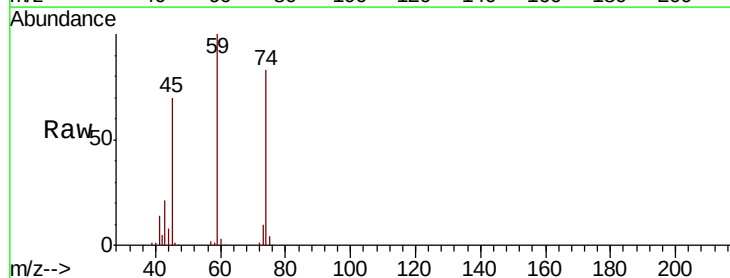
Tgt Ion:101 Resp: 158257
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.0 79.4

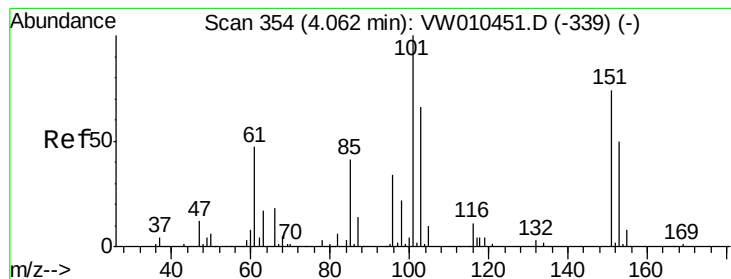


#8

Diethyl Ether
 Concen: 48.127 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 74 Resp: 42929
 Ion Ratio Lower Upper
 74 100
 45 83.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.557 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

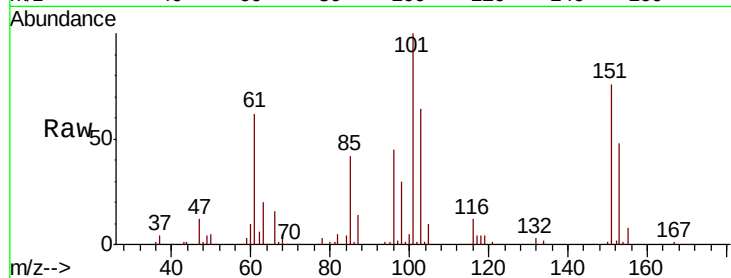
Tgt Ion:101 Resp: 98008

Ion Ratio Lower Upper

101 100

85 42.3 34.3 51.5

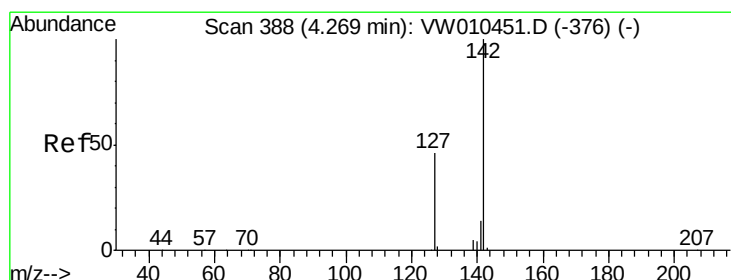
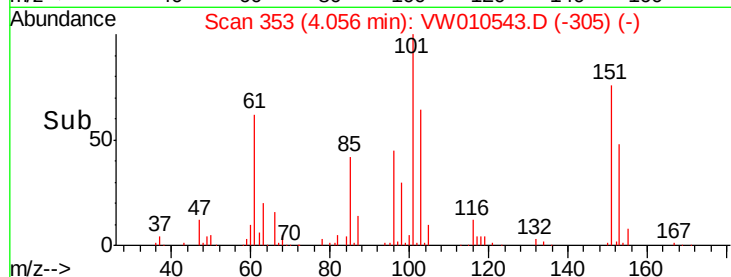
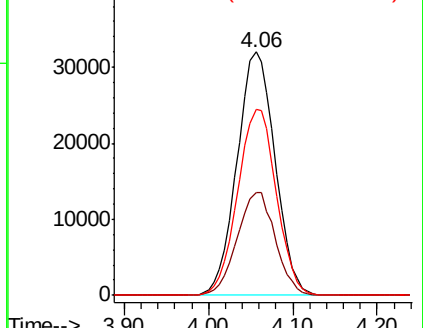
151 77.5 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.857 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

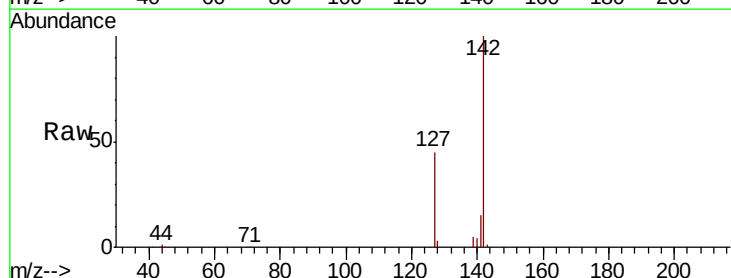
Tgt Ion:142 Resp: 108656

Ion Ratio Lower Upper

142 100

127 42.9 36.1 54.1

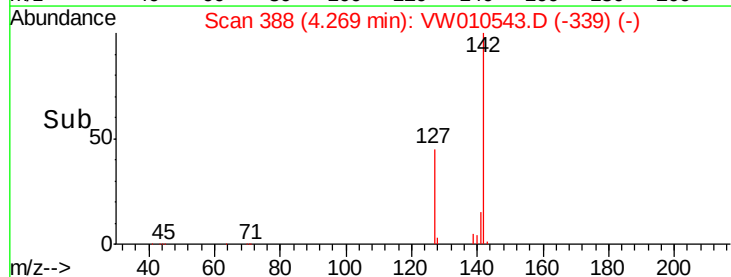
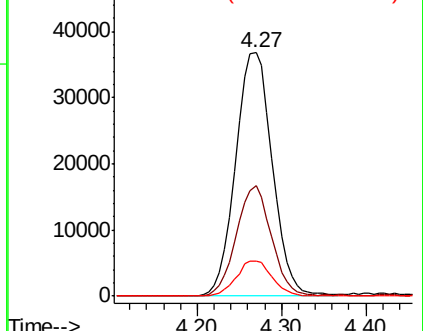
141 14.1 11.3 16.9

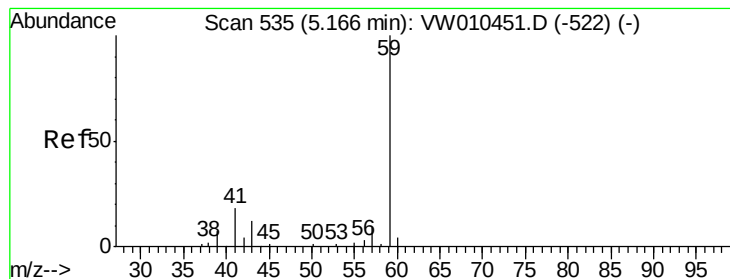


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



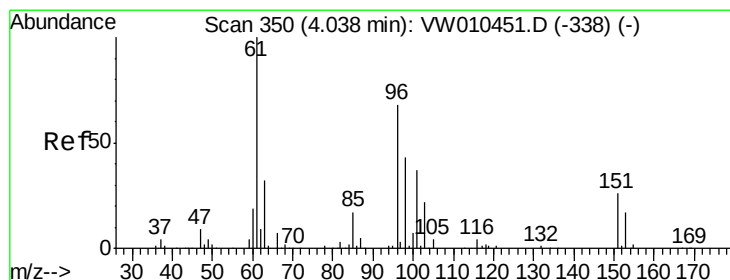
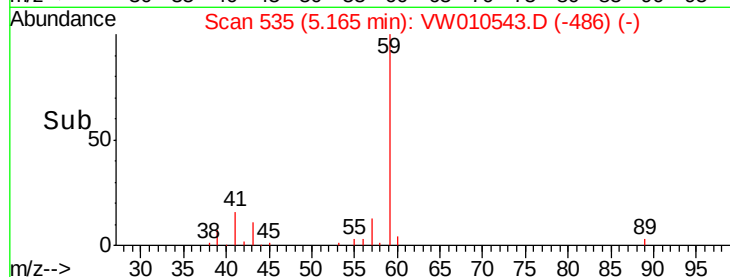
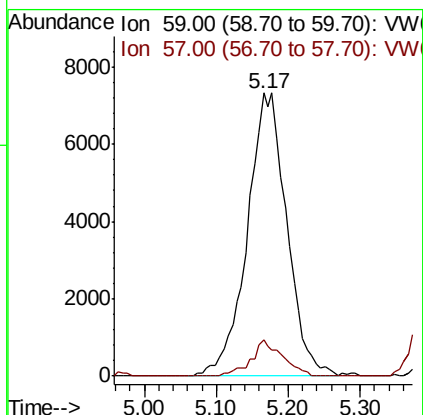
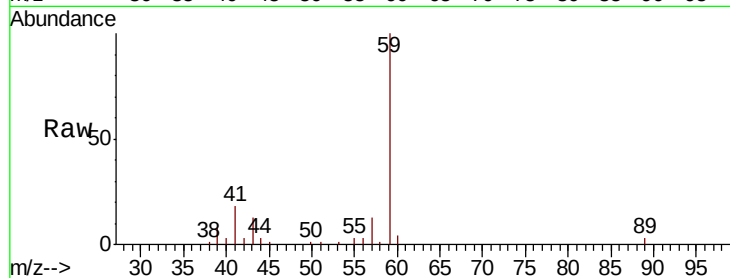


#11

Tert butyl alcohol
 Concen: 192.015 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

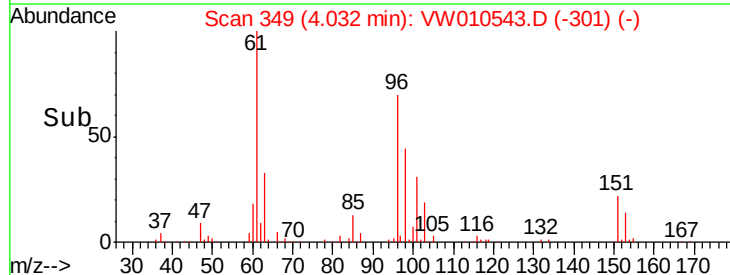
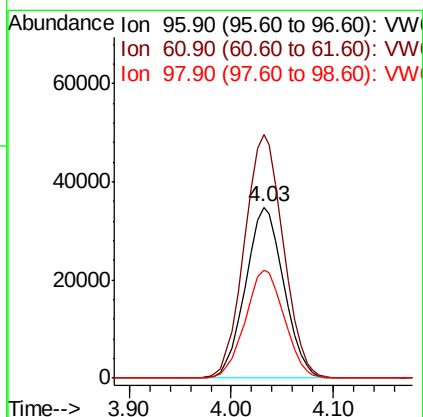
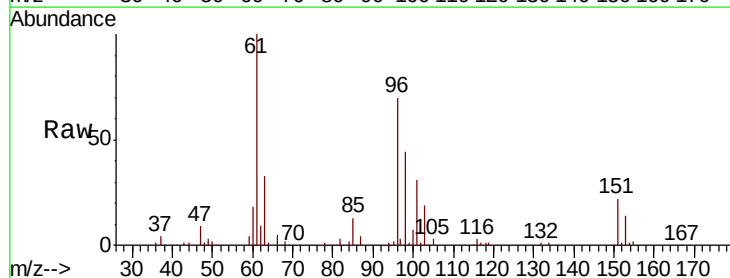
Tgt Ion: 59 Resp: 27919
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.8 13.2

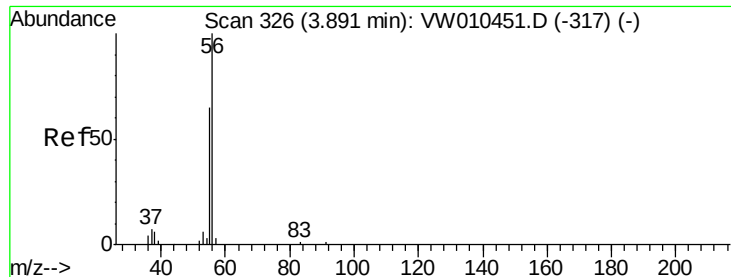


#12

1,1-Dichloroethene
 Concen: 54.966 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 96 Resp: 90924
 Ion Ratio Lower Upper
 96 100
 61 142.6 118.3 177.5
 98 63.1 51.0 76.6





#13

Acrolein

Concen: 272.798 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

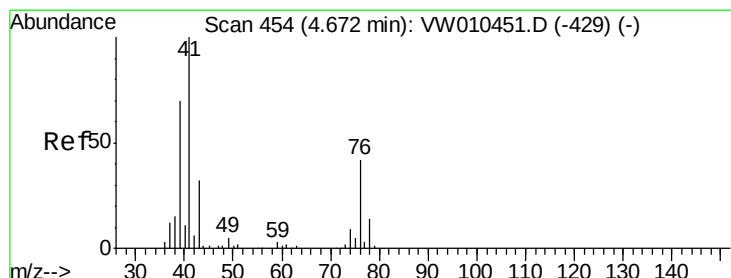
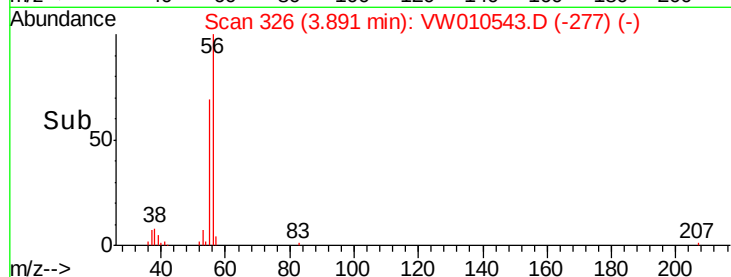
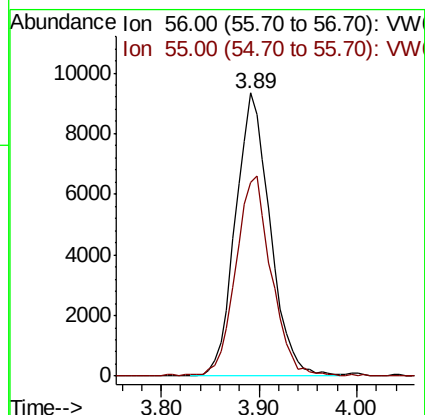
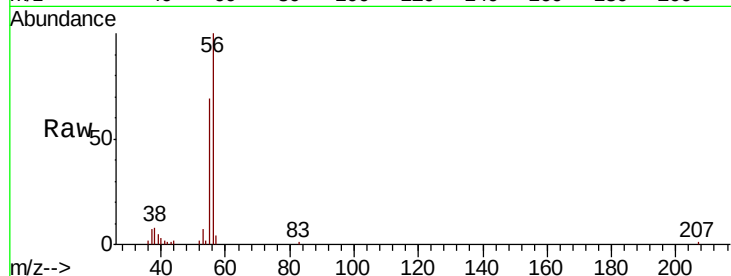
VSTDCCC050

Tgt Ion: 56 Resp: 22940

Ion Ratio Lower Upper

56 100

55 72.9 57.9 86.9



#14

Allyl chloride

Concen: 51.704 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

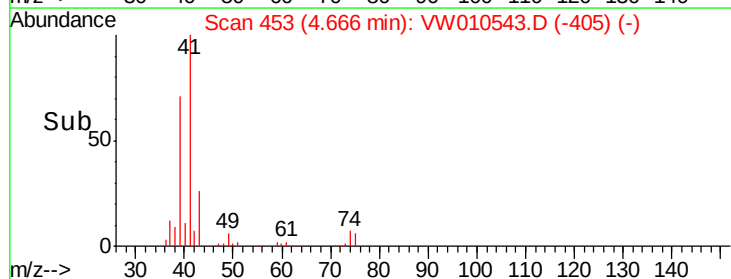
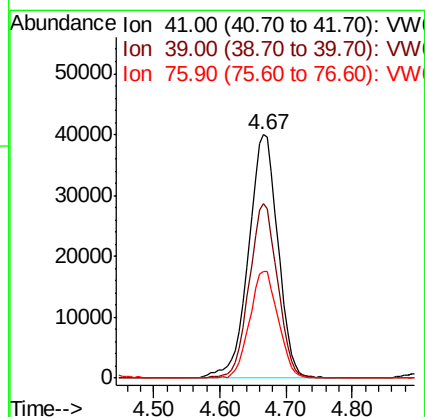
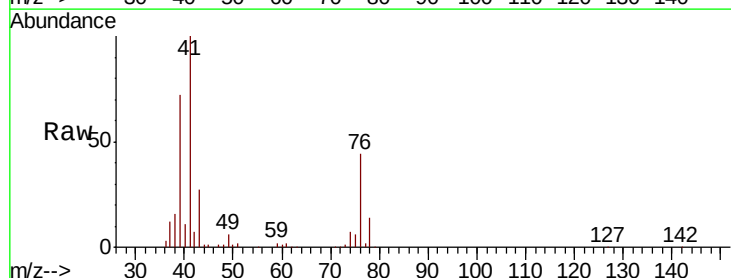
Tgt Ion: 41 Resp: 123803

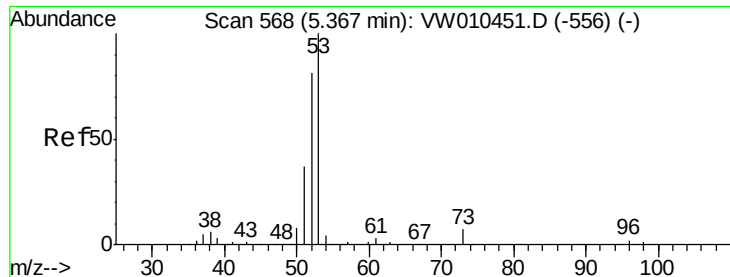
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.4

76 42.6 32.8 49.2

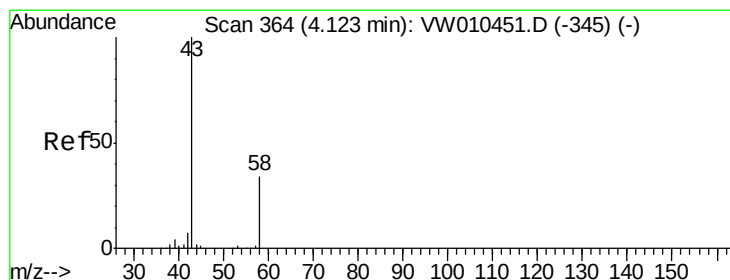
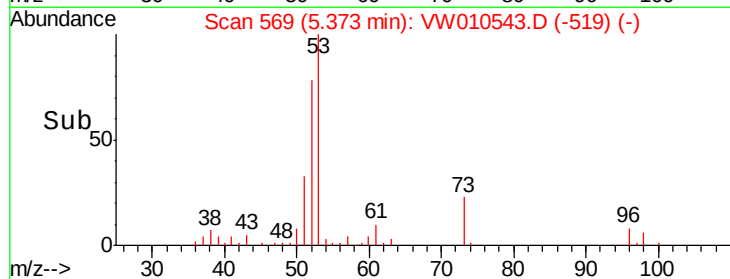
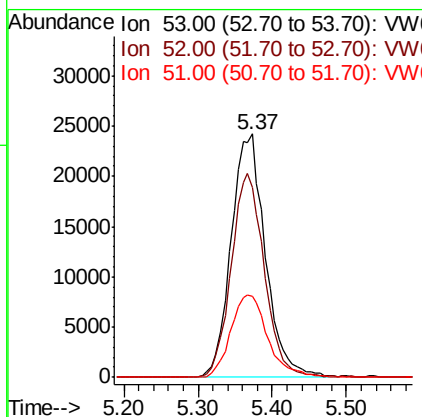
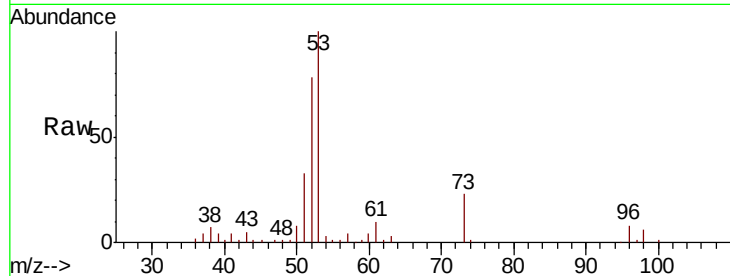




#15
 Acrylonitrile
 Concen: 208.875 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

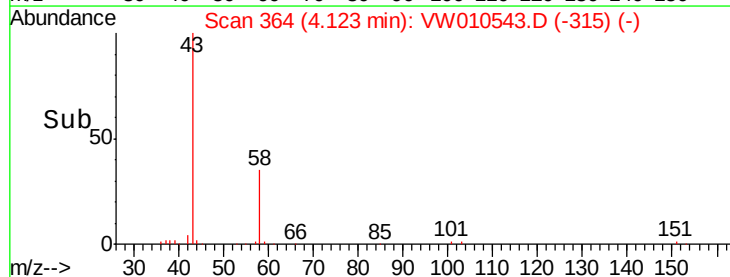
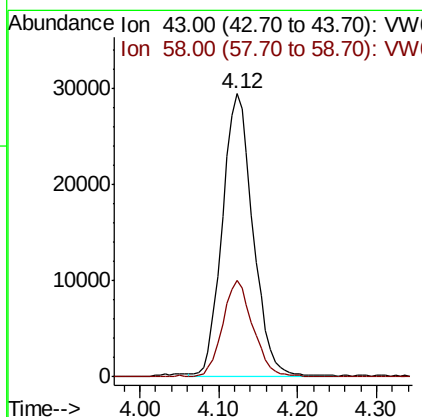
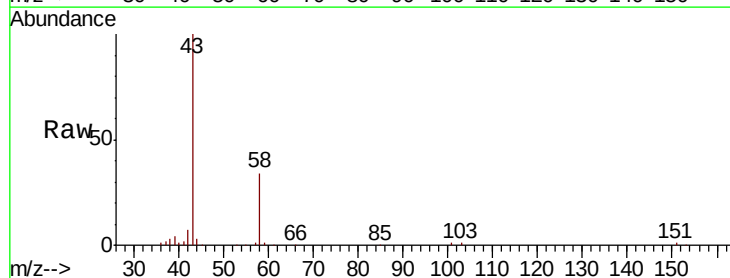
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

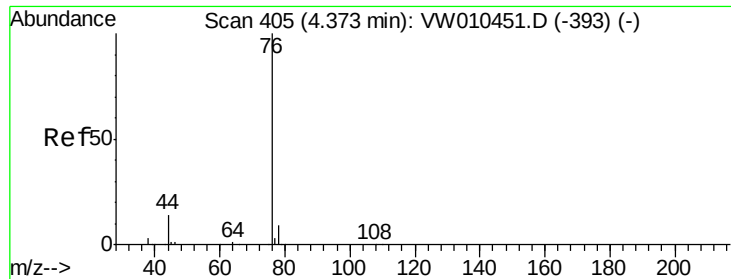
Tgt Ion: 53 Resp: 78028
 Ion Ratio Lower Upper
 53 100
 52 80.9 65.6 98.4
 51 36.4 29.5 44.3



#16
 Acetone
 Concen: 238.976 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 43 Resp: 78852
 Ion Ratio Lower Upper
 43 100
 58 34.1 27.0 40.4

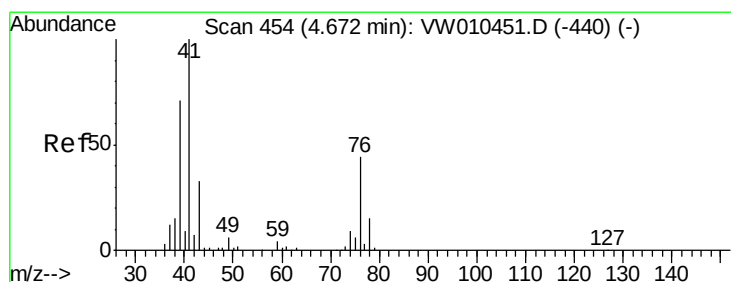
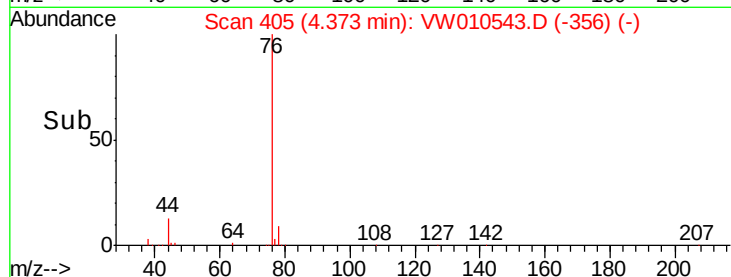
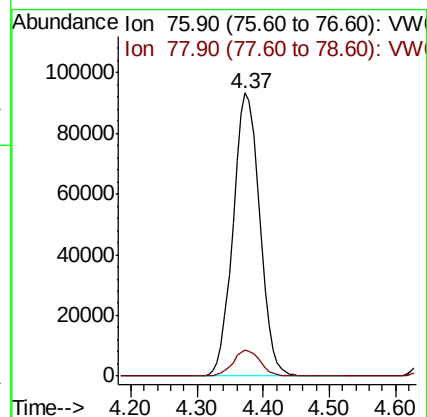
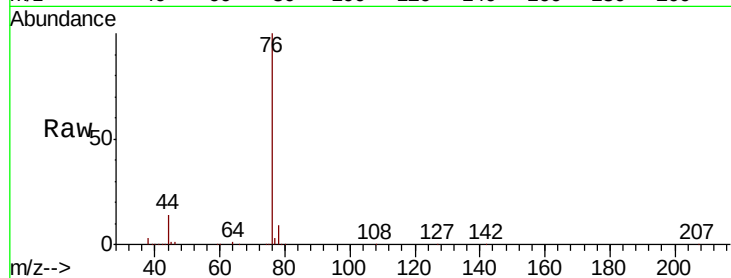




#17
Carbon Disulfide
Concen: 52.766 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

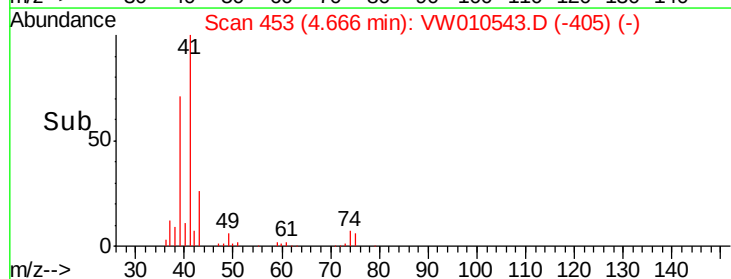
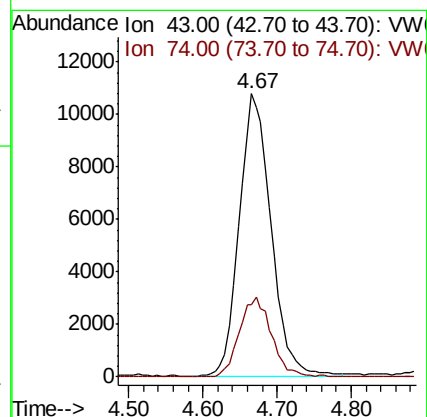
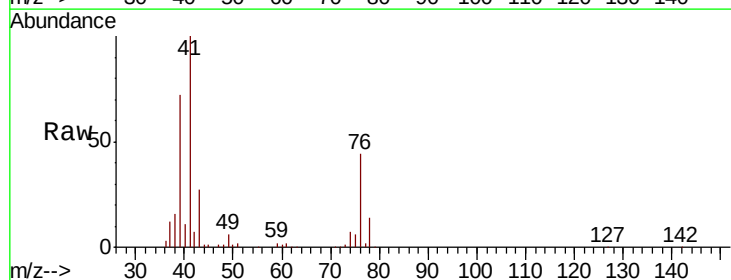
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

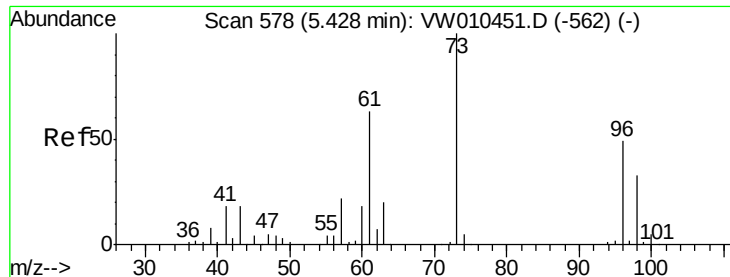
Tgt Ion: 76 Resp: 260349
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 40.342 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 43 Resp: 32555
Ion Ratio Lower Upper
43 100
74 28.0 21.6 32.4

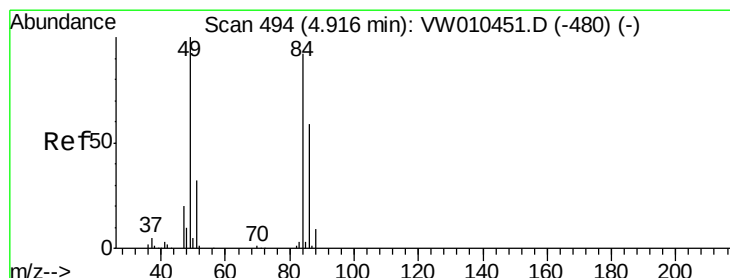
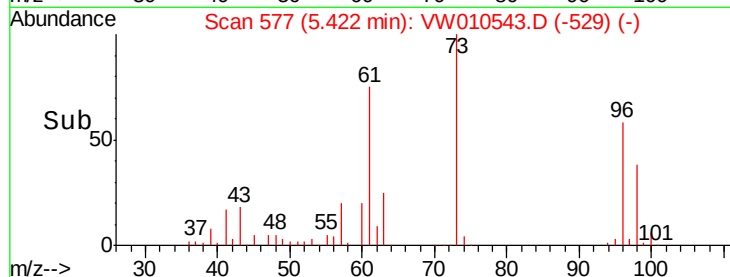
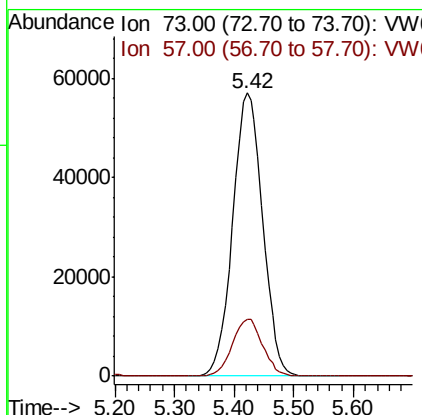
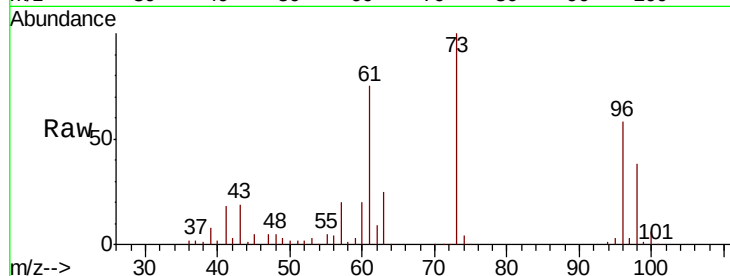




#19
Methyl tert-butyl Ether
Concen: 47.183 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

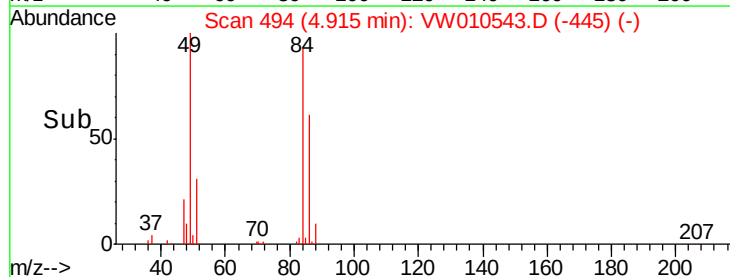
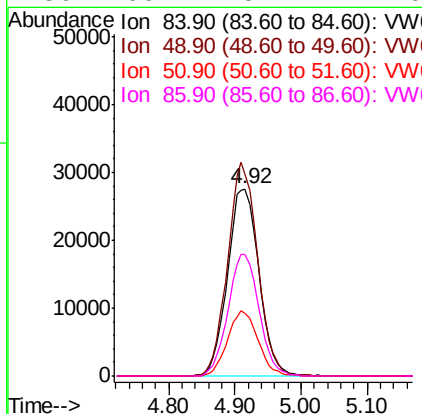
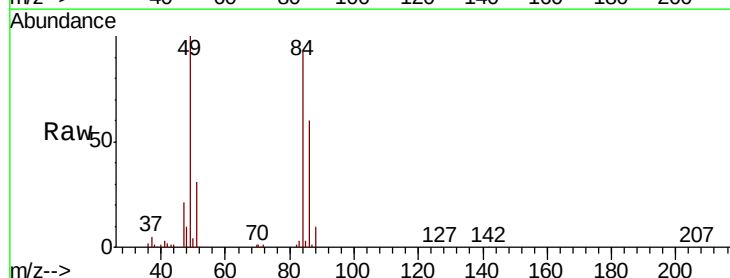
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

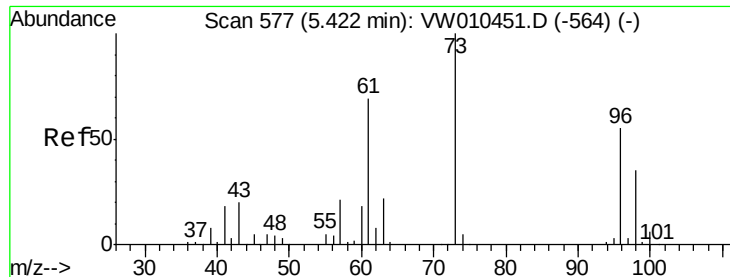
Tgt Ion: 73 Resp: 198976
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0



#20
Methylene Chloride
Concen: 46.791 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 84 Resp: 91220
Ion Ratio Lower Upper
84 100
49 107.8 87.2 130.8
51 33.5 27.7 41.5
86 65.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 54.149 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

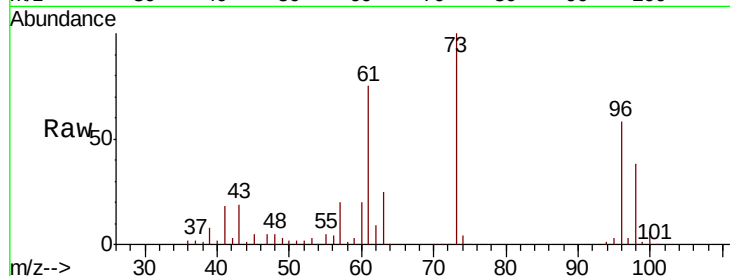
Tgt Ion: 96 Resp: 102743

Ion Ratio Lower Upper

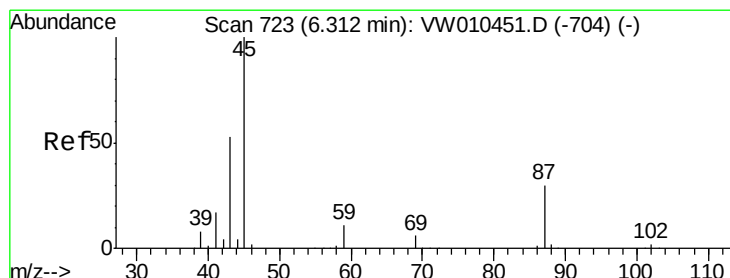
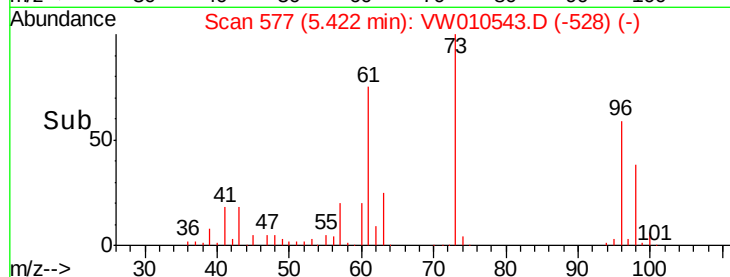
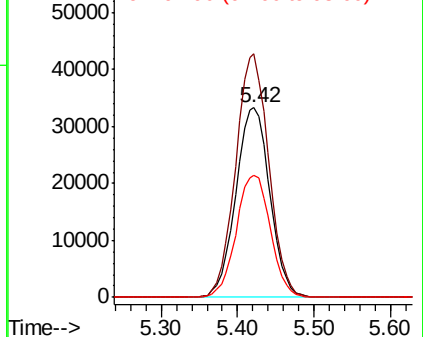
96 100

61 128.3 101.4 152.0

98 64.3 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: 50.145 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion: 45 Resp: 246199

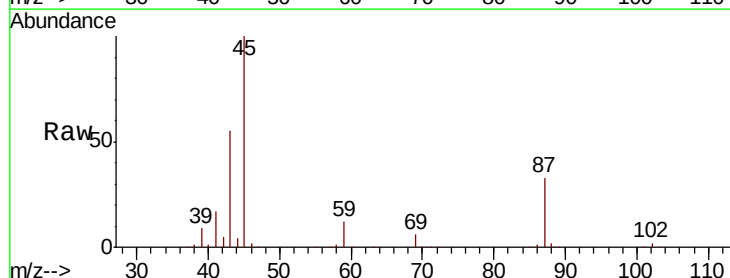
Ion Ratio Lower Upper

45 100

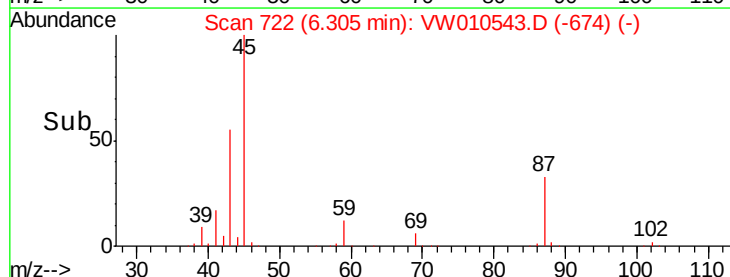
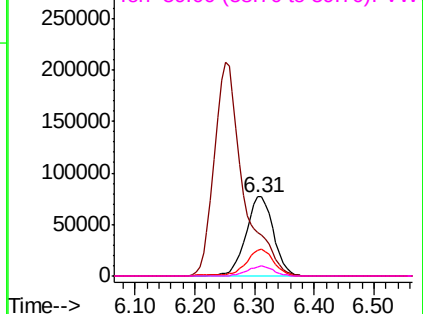
43 55.0 42.9 64.3

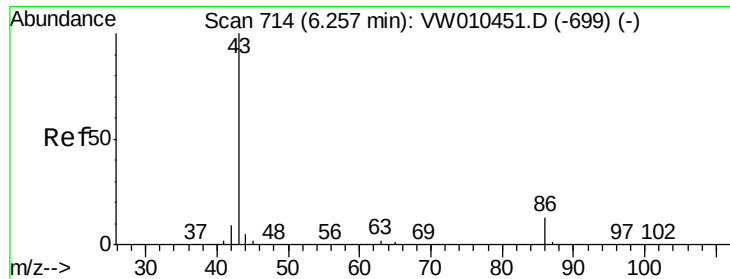
87 32.9 24.6 36.8

59 12.0 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: 236.559 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

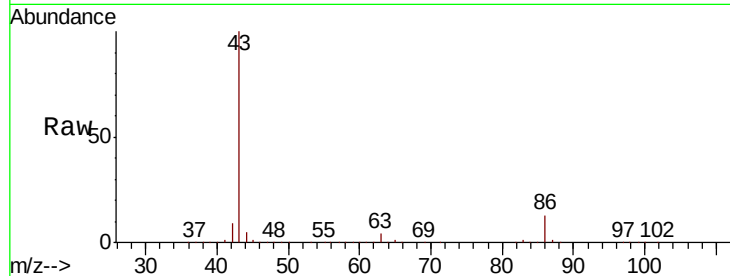
VSTDCCC050

Tgt Ion: 43 Resp: 693780

Ion Ratio Lower Upper

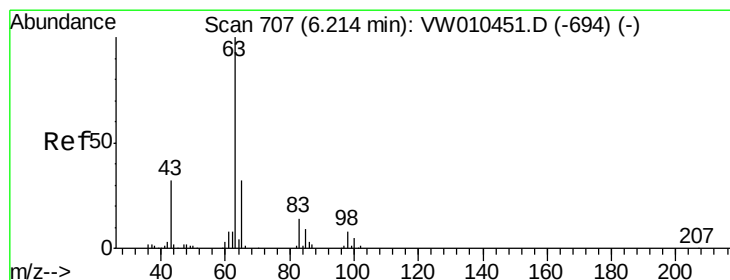
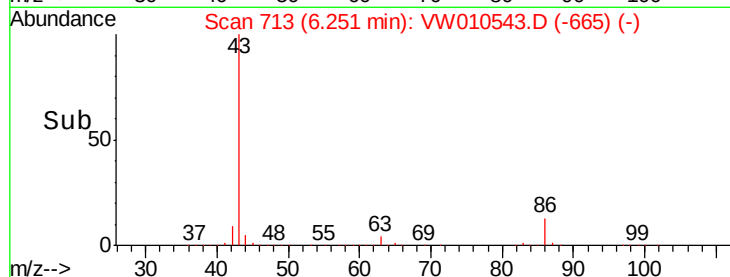
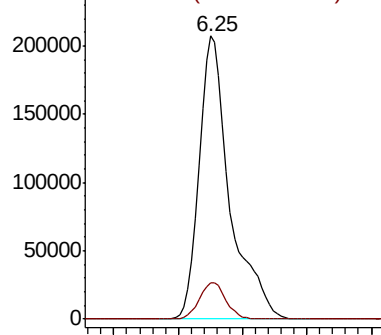
43 100

86 13.0 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.872 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

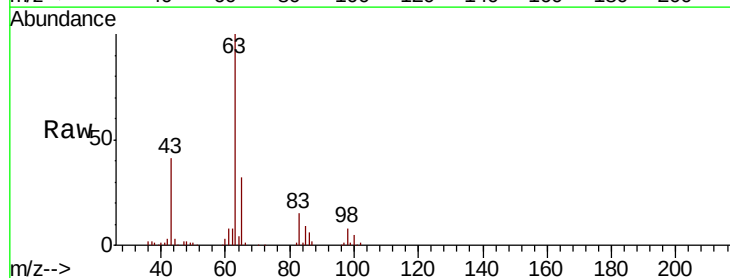
Tgt Ion: 63 Resp: 157840

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

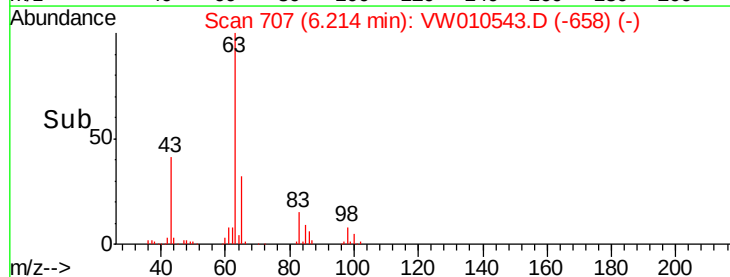
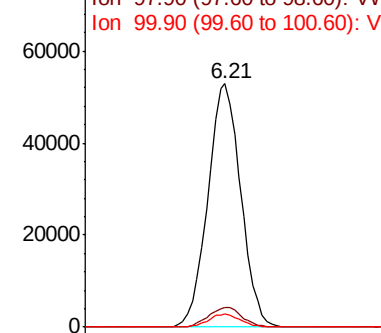
100 5.5 2.5 7.4

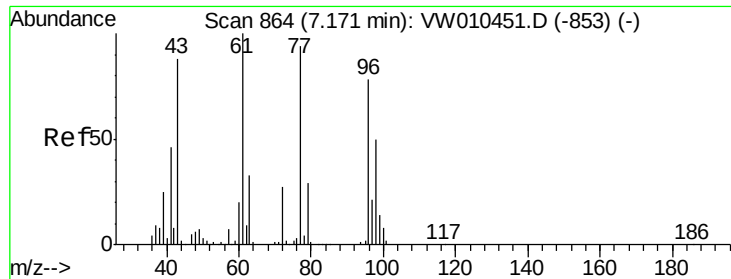


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 218.211 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

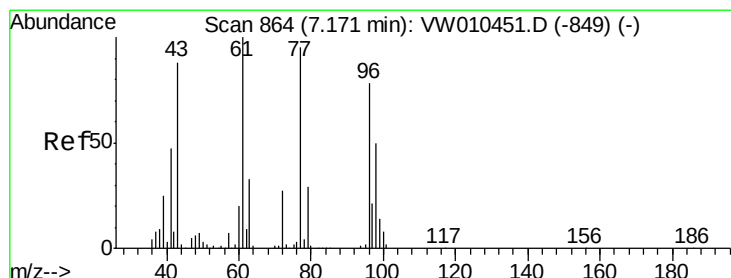
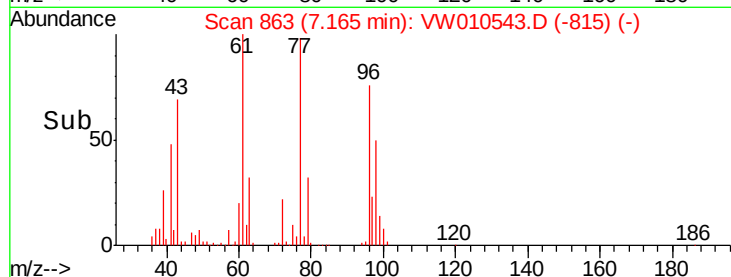
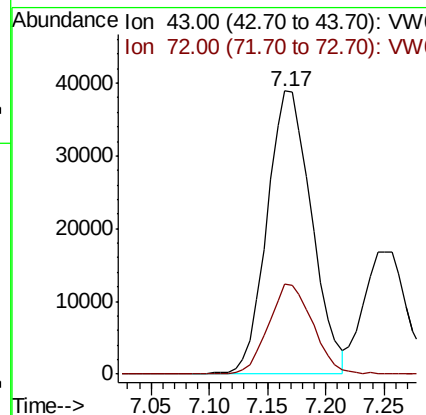
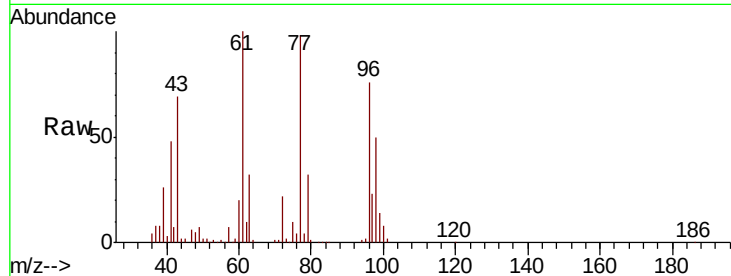
VSTDCCC050

Tgt Ion: 43 Resp: 103039

Ion Ratio Lower Upper

43 100

72 32.0 24.1 36.1



#26

2,2-Dichloropropane

Concen: 56.661 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010543.D

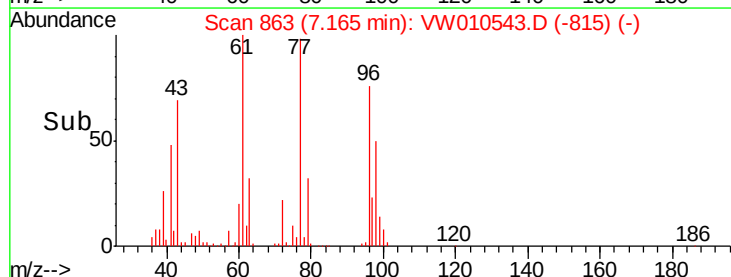
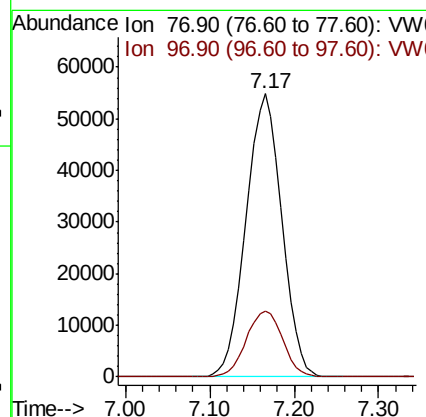
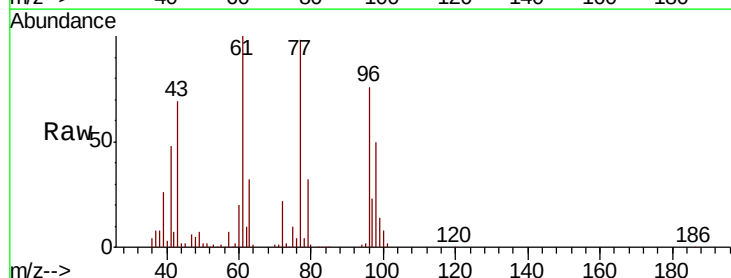
Acq: 24 May 2019 10:49

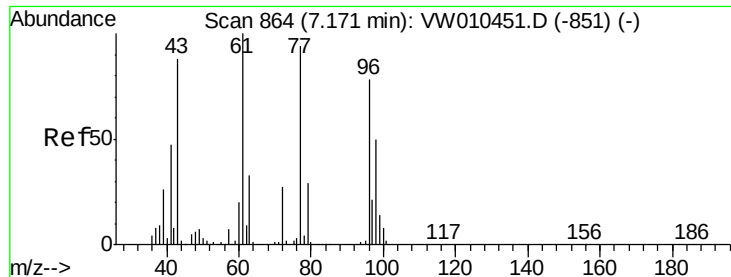
Tgt Ion: 77 Resp: 158134

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



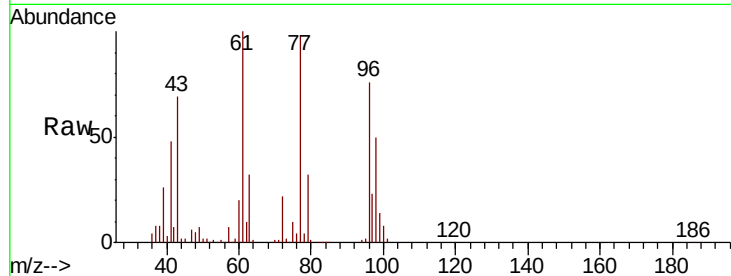


#27

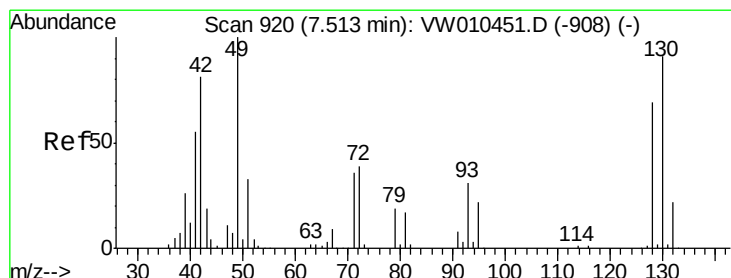
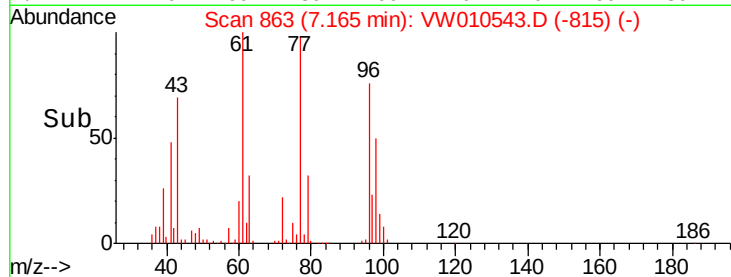
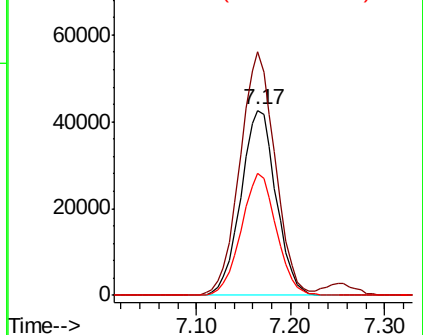
cis-1,2-Dichloroethene
Concen: 53.998 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 111389
Ion Ratio Lower Upper
96 100
61 131.9 0.0 265.4
98 65.7 0.0 129.4



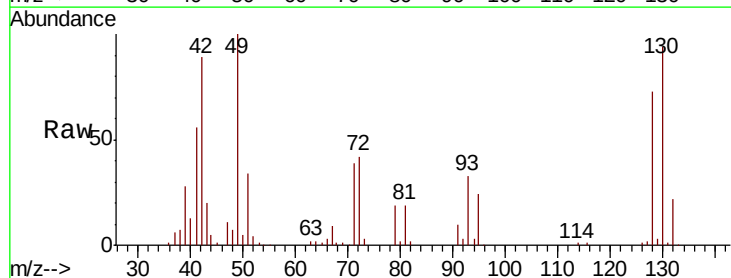
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



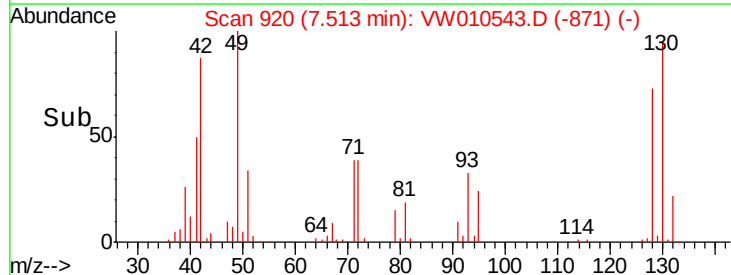
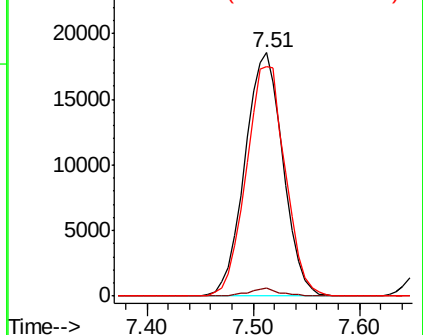
#28

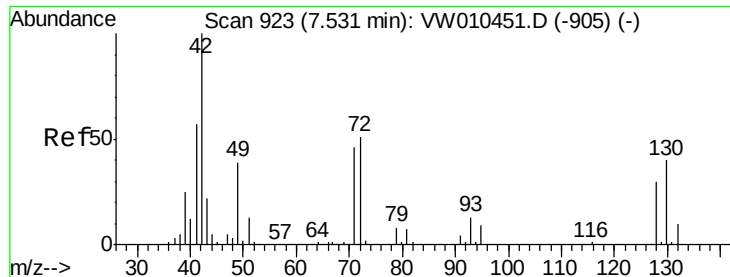
Bromochloromethane
Concen: 44.473 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 49 Resp: 46653
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 96.5 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

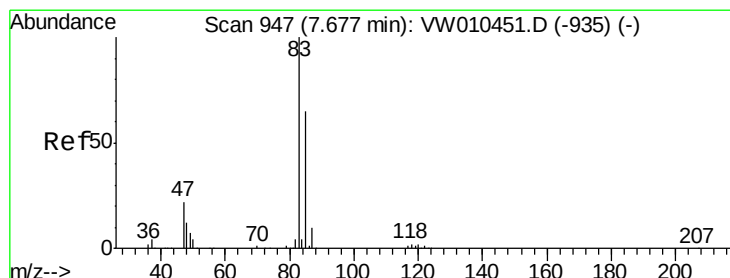
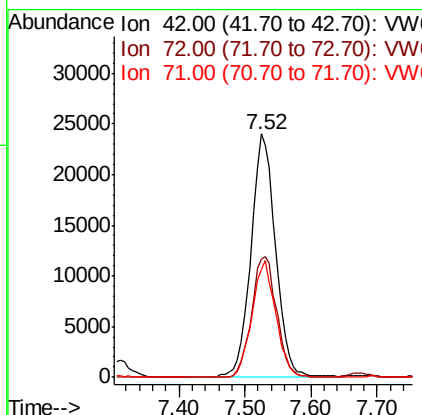
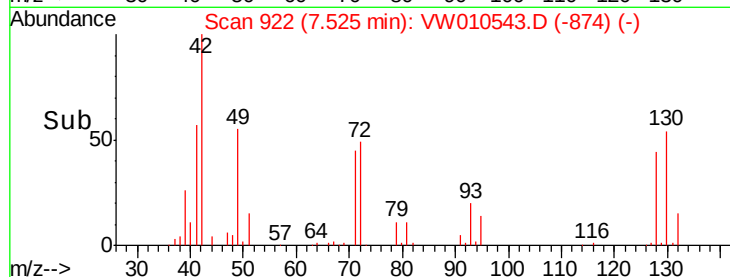
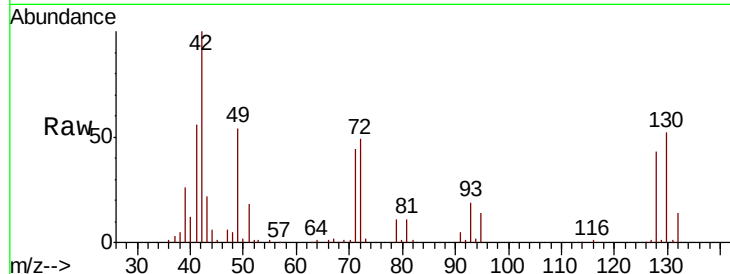




#29
Tetrahydrofuran
Concen: 195.733 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

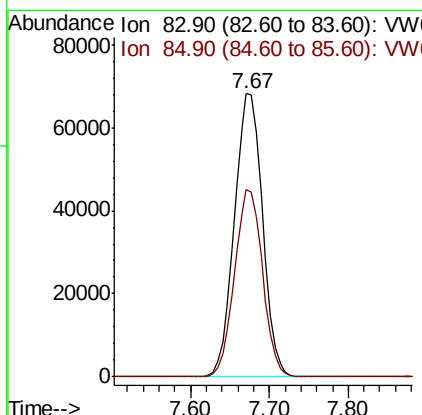
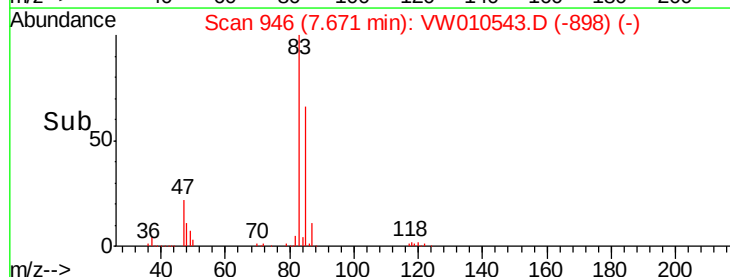
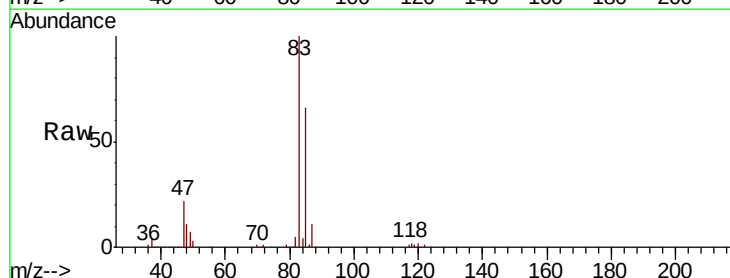
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

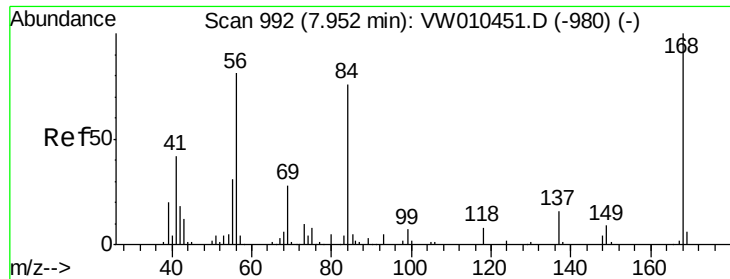
Tgt Ion: 42 Resp: 62542
Ion Ratio Lower Upper
42 100
72 50.2 38.5 57.7
71 46.2 36.5 54.7



#30
Chloroform
Concen: 53.646 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 83 Resp: 169540
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4

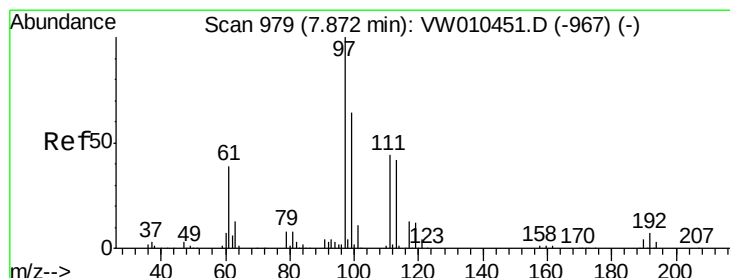
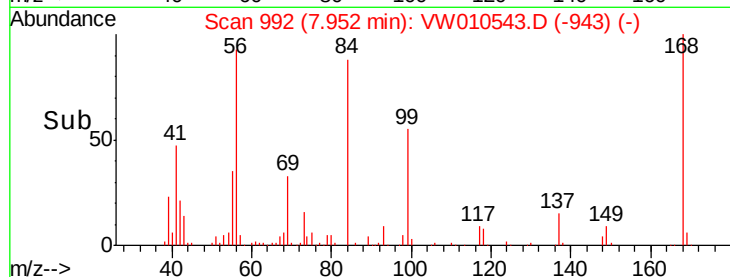
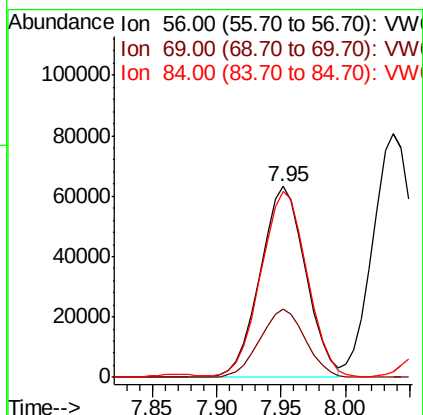
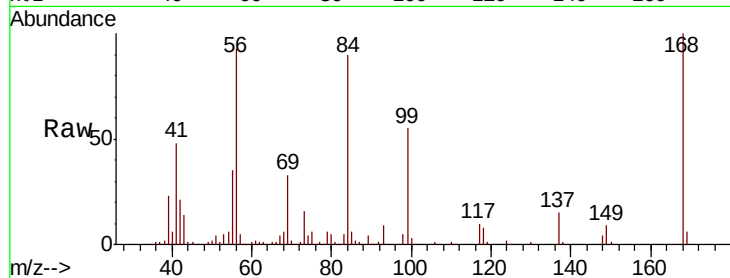




#31
Cyclohexane
Concen: 50.653 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

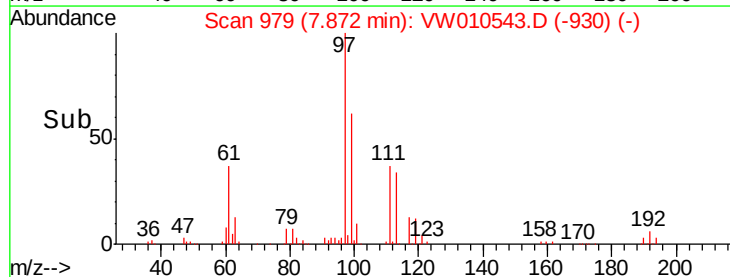
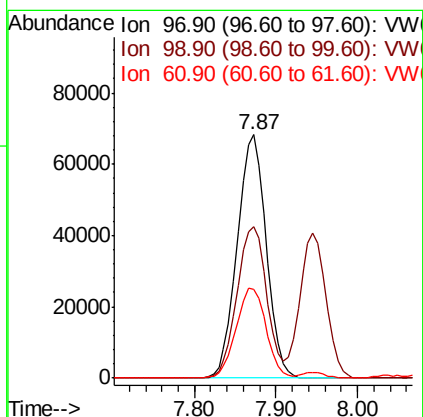
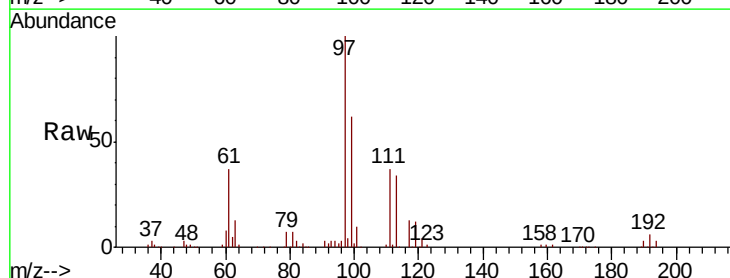
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

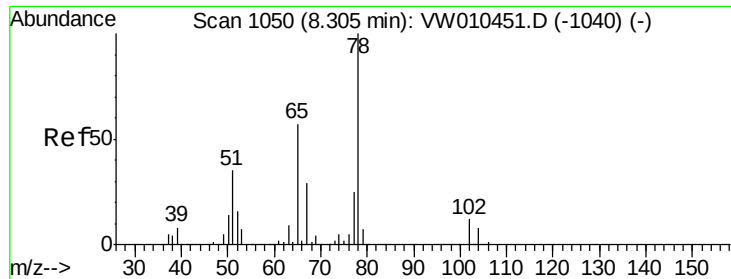
Tgt Ion: 56 Resp: 155459
Ion Ratio Lower Upper
56 100
69 36.0 28.2 42.2
84 95.4 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 55.705 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 97 Resp: 168260
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 38.4 32.1 48.1

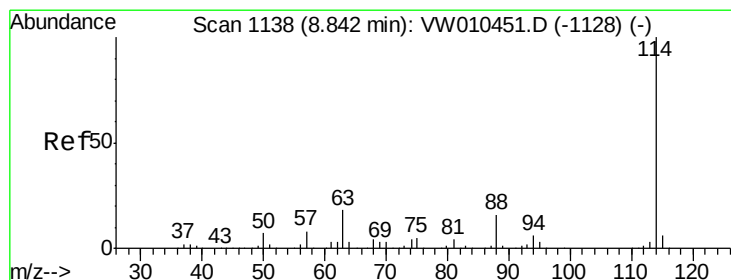
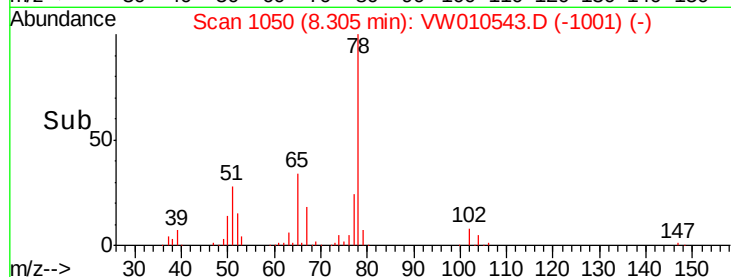
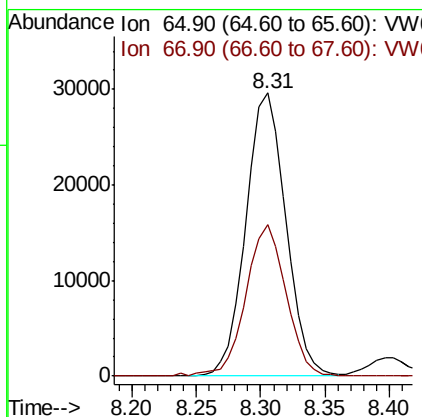
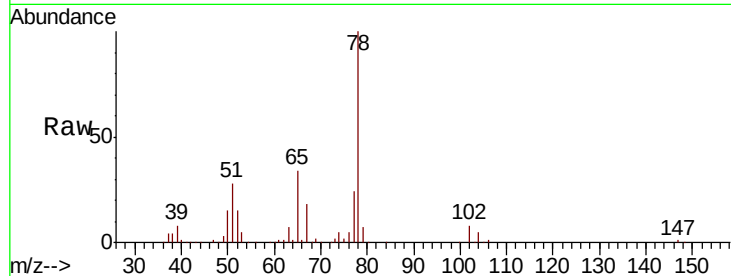




#33
 1,2-Dichloroethane-d4
 Concen: 39.385 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

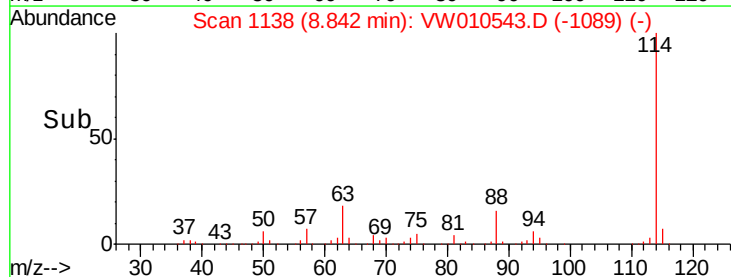
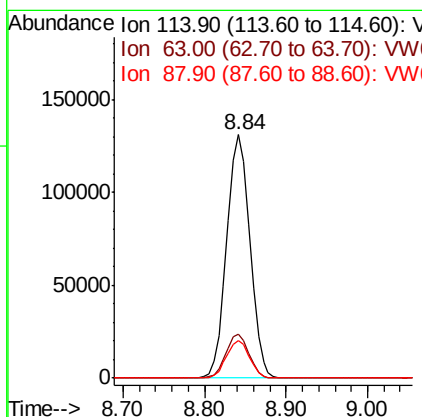
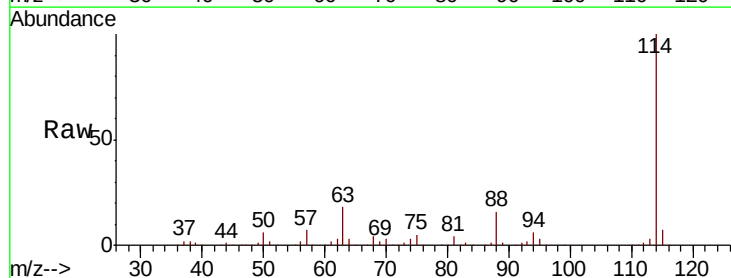
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

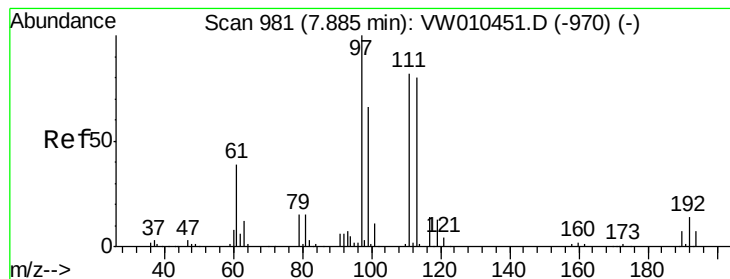
Tgt Ion: 65 Resp: 63665
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 114 Resp: 256948
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 44.994 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

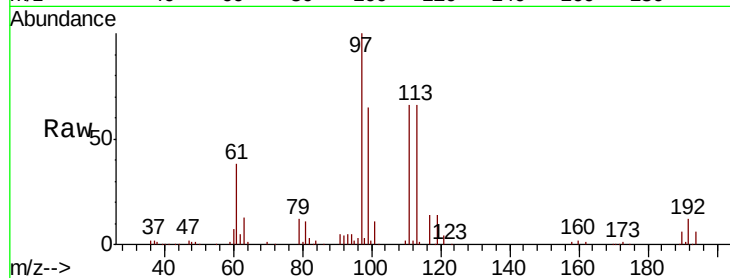
Tgt Ion:113 Resp: 70150

Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.4

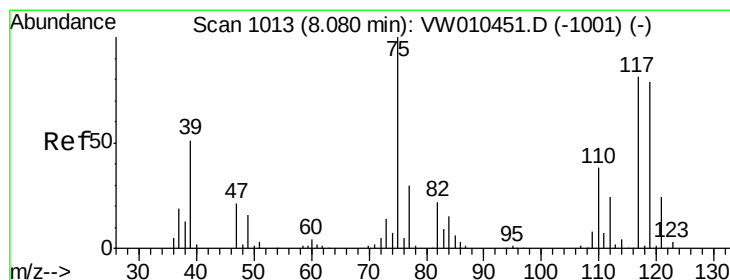
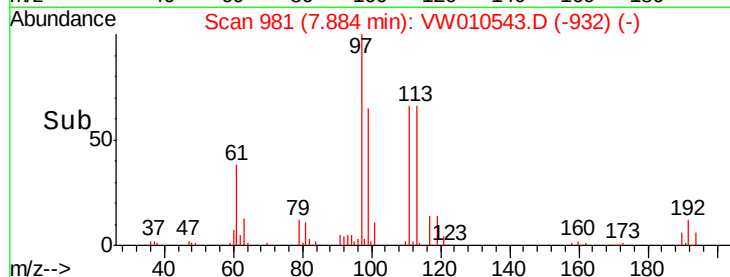
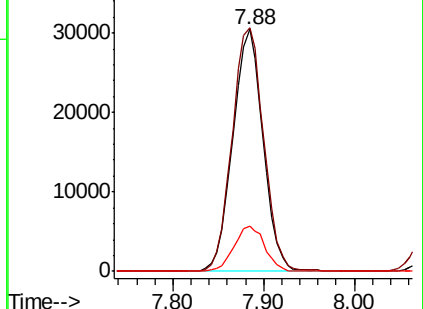
192 19.0 14.3 21.5



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: 58.241 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

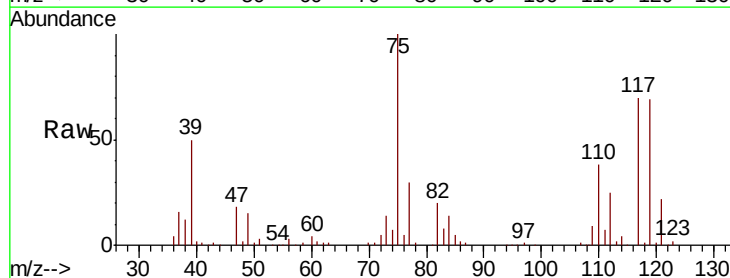
Tgt Ion: 75 Resp: 139406

Ion Ratio Lower Upper

75 100

110 39.1 19.2 57.6

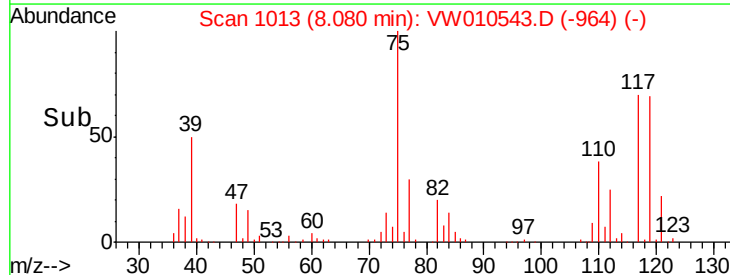
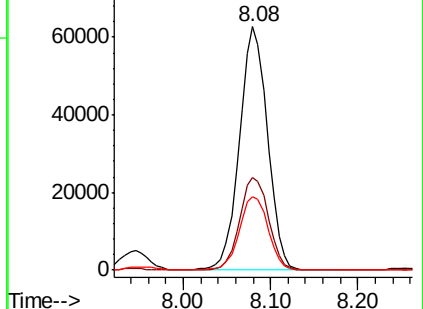
77 31.2 25.2 37.8

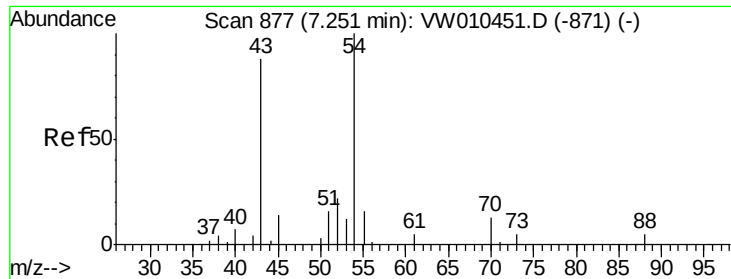


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

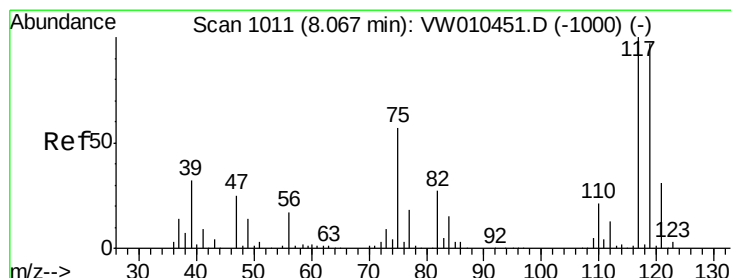
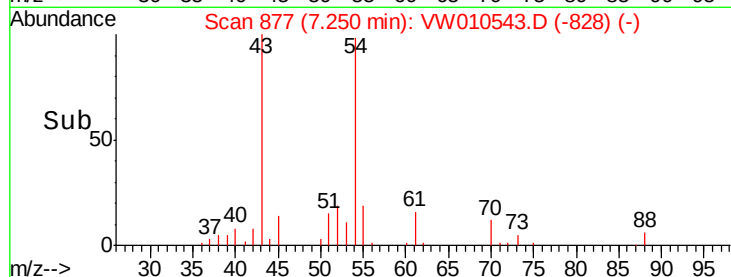
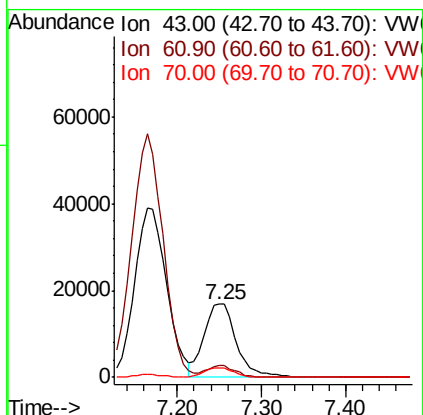
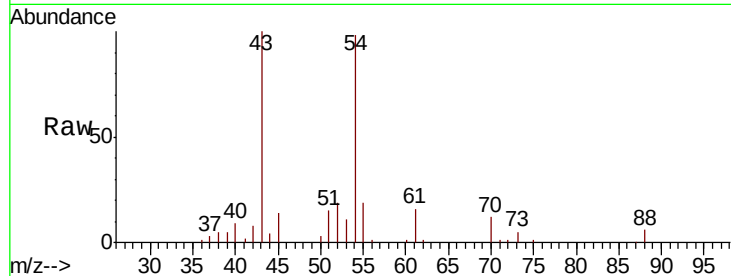




#37
Ethyl Acetate
Concen: 44.235 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

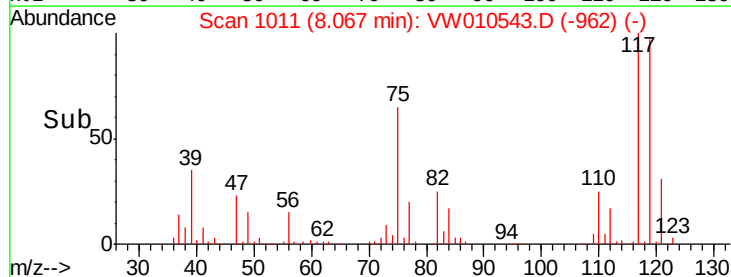
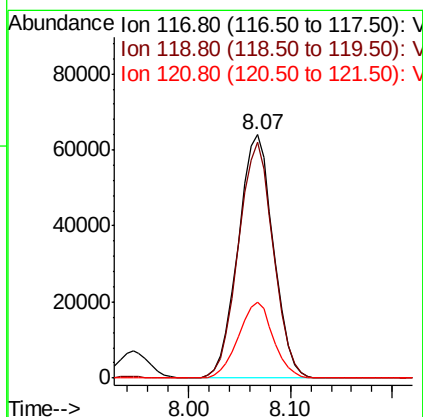
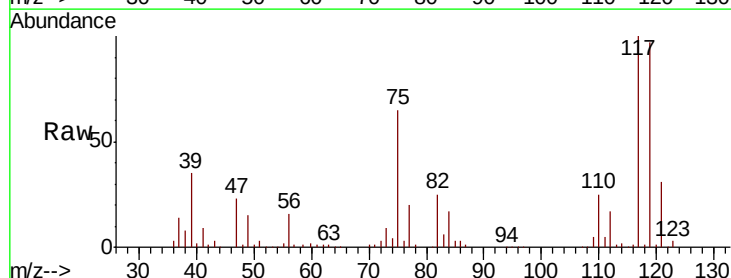
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

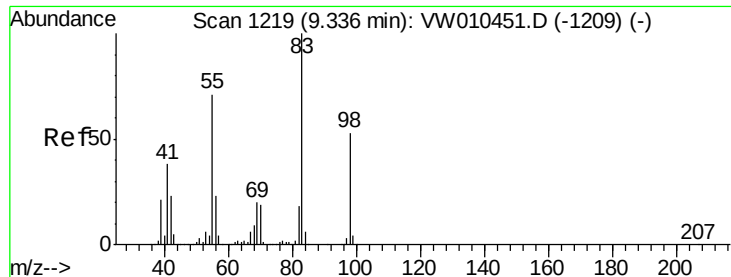
Tgt Ion: 43 Resp: 45026
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 12.8 9.9 14.9



#38
Carbon Tetrachloride
Concen: 59.387 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 117 Resp: 153343
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.0
121 31.1 25.0 37.6

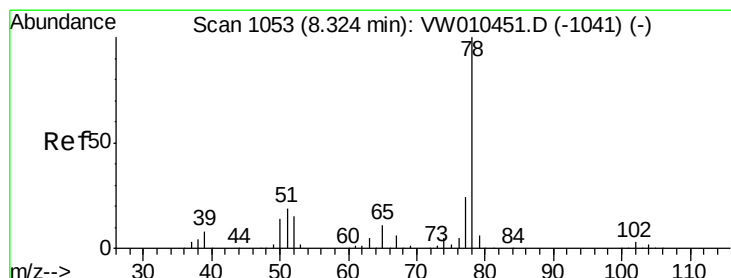
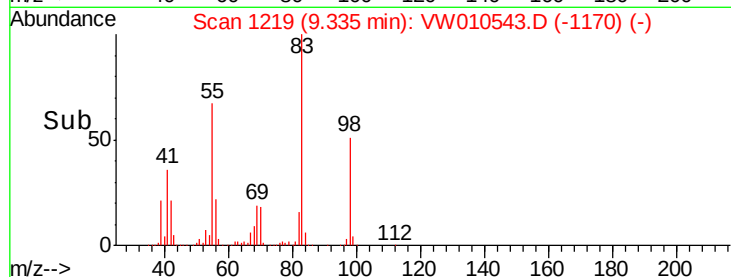
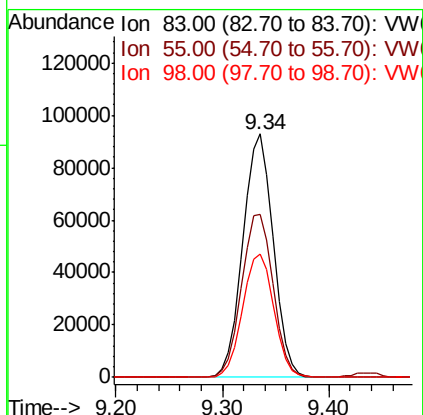
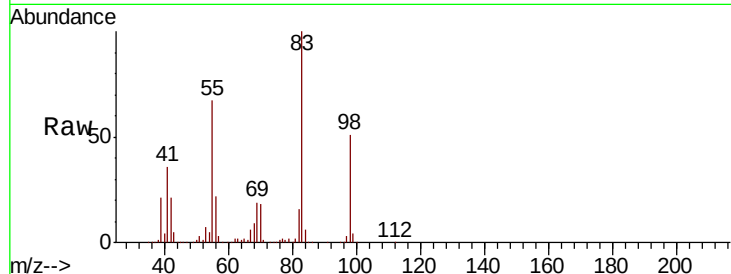




#39
Methylcyclohexane
Concen: 58.362 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

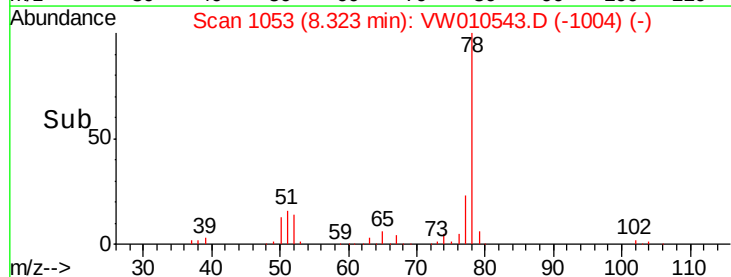
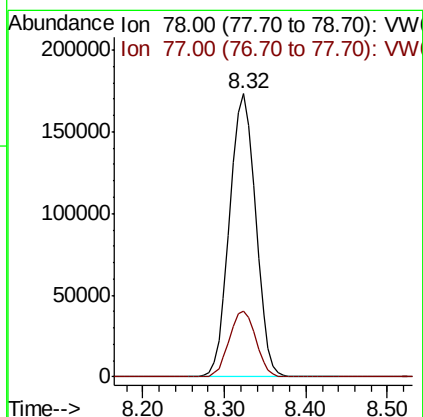
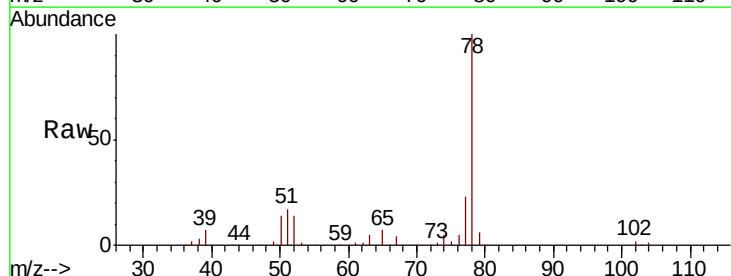
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

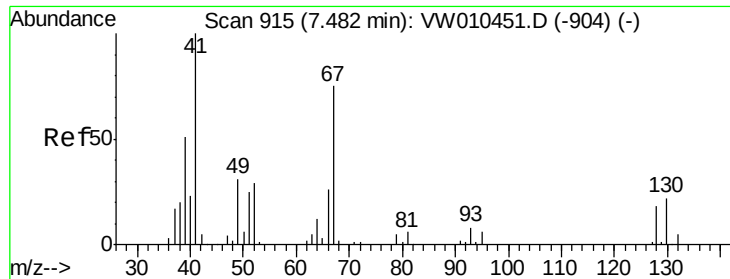
Tgt Ion: 83 Resp: 187157
Ion Ratio Lower Upper
83 100
55 67.0 57.0 85.6
98 50.8 42.0 63.0



#40
Benzene
Concen: 57.510 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 78 Resp: 382609
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

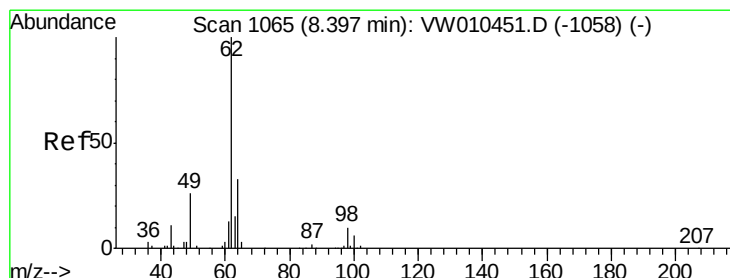
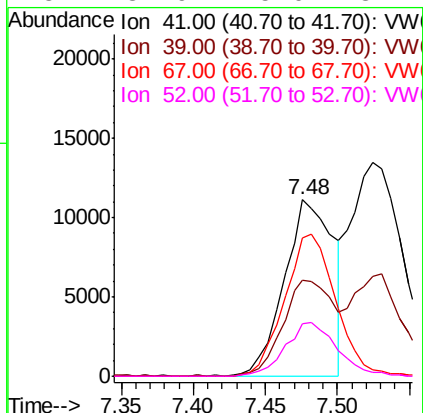
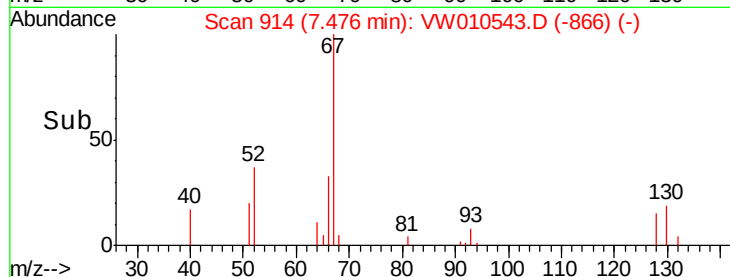
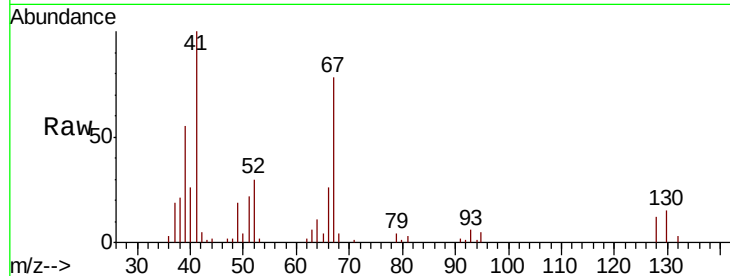




#41
Methacrylonitrile
Concen: 43.843 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

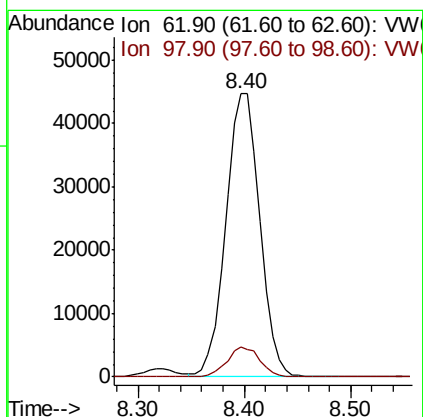
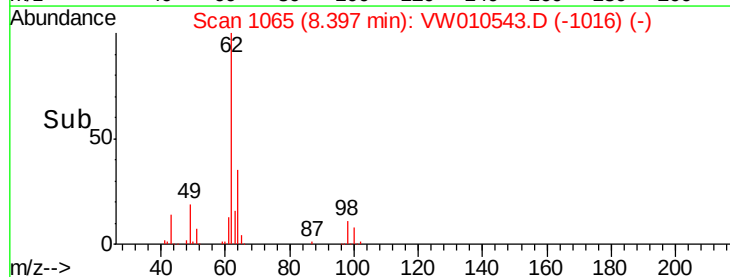
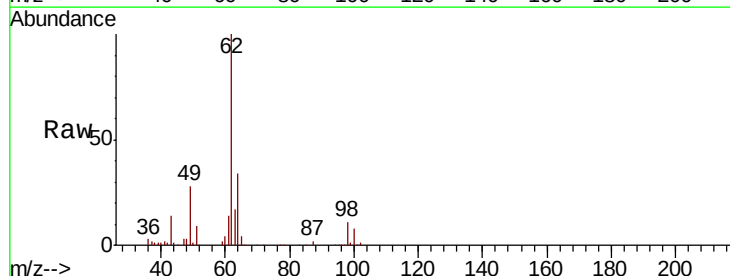
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

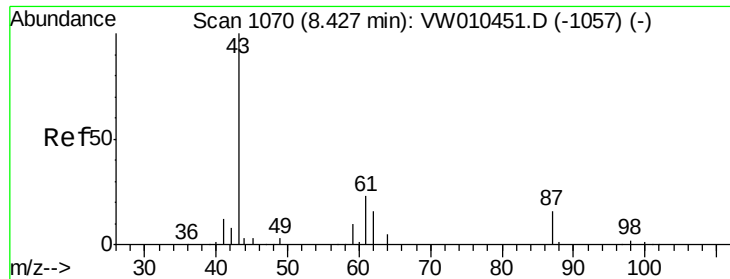
Tgt Ion:	41	Resp:	26516
Ion	Ratio	Lower	Upper
41	100		
39	55.3	47.4	71.2
67	83.9	65.5	98.3
52	31.9	25.0	37.4



#42
1,2-Dichloroethane
Concen: 52.478 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:	62	Resp:	99785
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 44.549 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

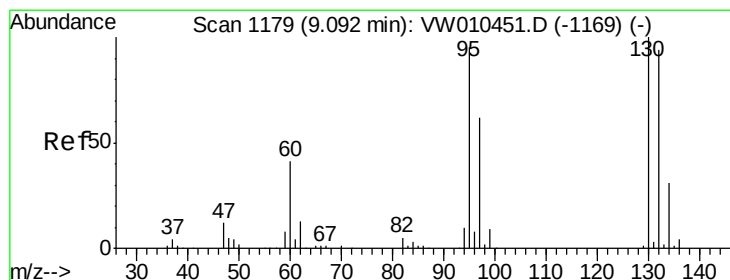
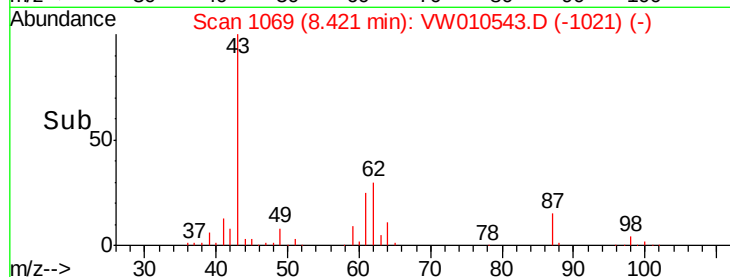
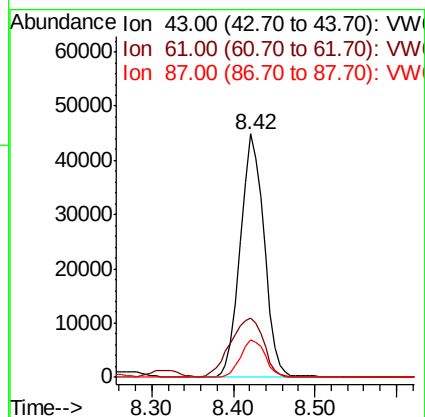
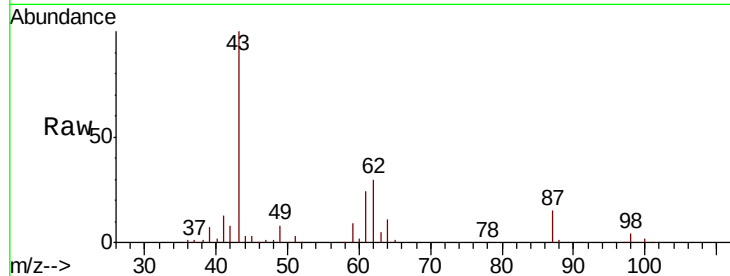
Tgt Ion: 43 Resp: 90589

Ion Ratio Lower Upper

43 100

61 34.1 25.4 38.2

87 16.1 12.7 19.1



#44

Trichloroethene

Concen: 59.769 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010543.D

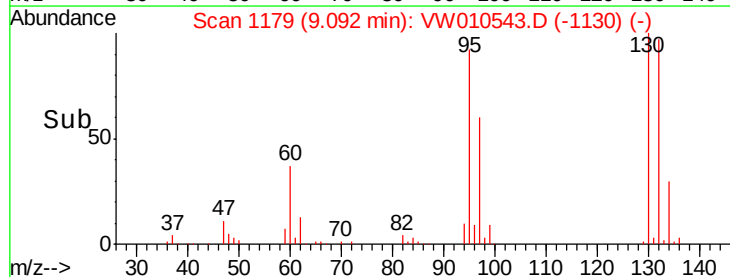
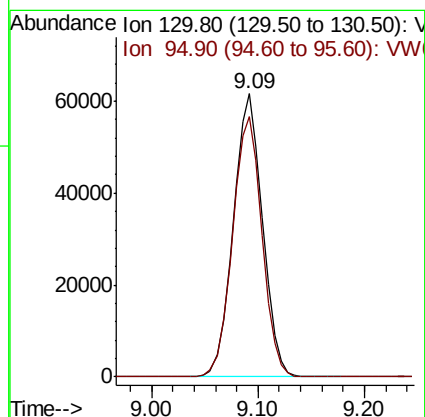
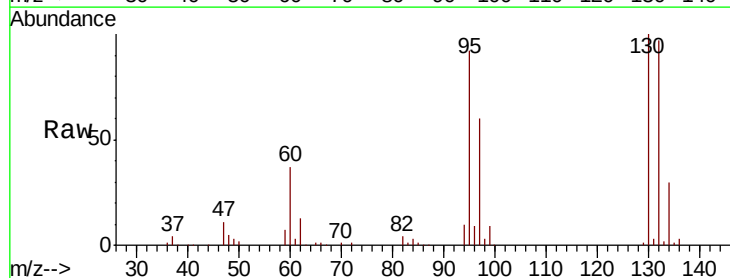
Acq: 24 May 2019 10:49

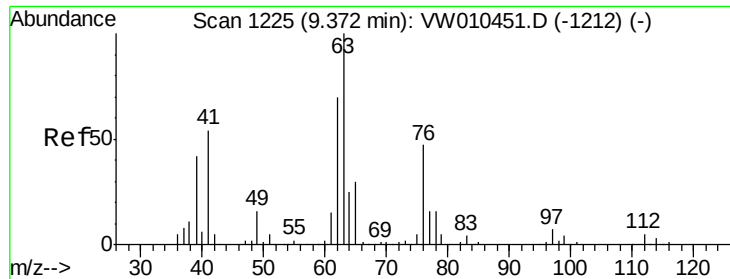
Tgt Ion: 130 Resp: 118050

Ion Ratio Lower Upper

130 100

95 91.8 0.0 189.6

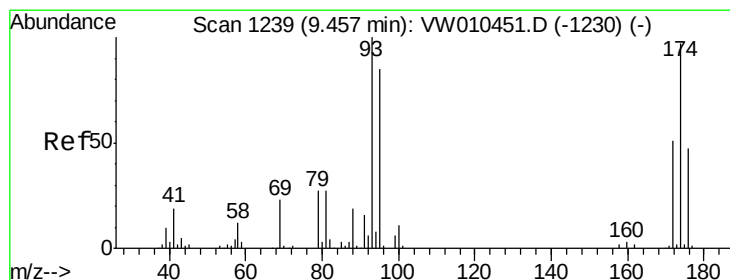
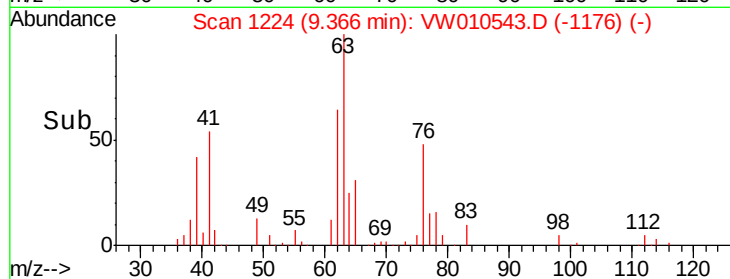
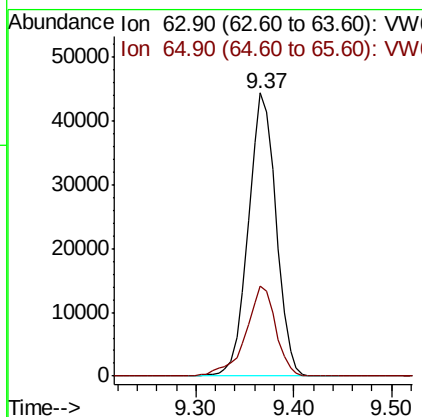
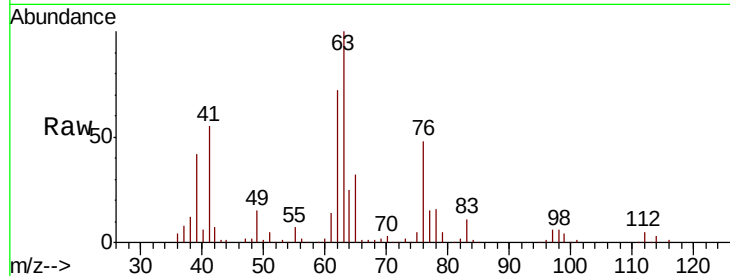




#45
 1,2-Dichloropropane
 Concen: 55.222 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

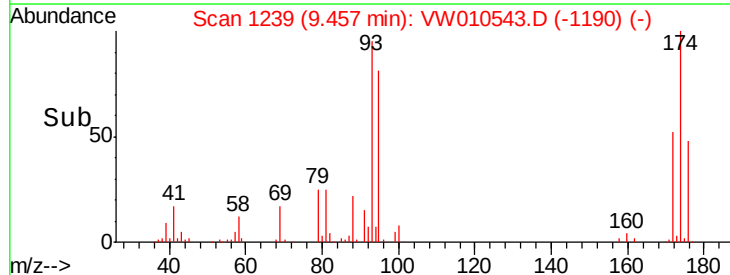
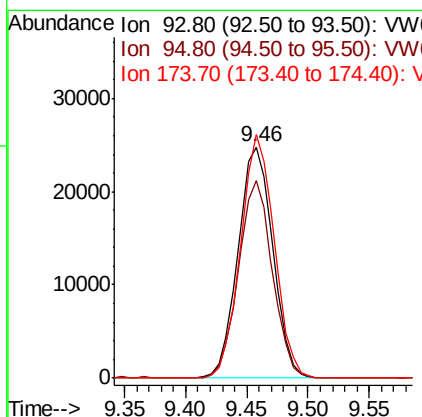
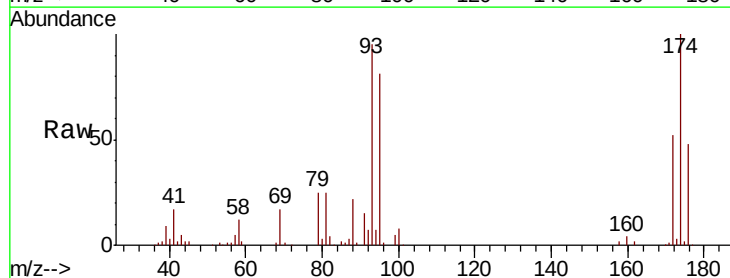
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

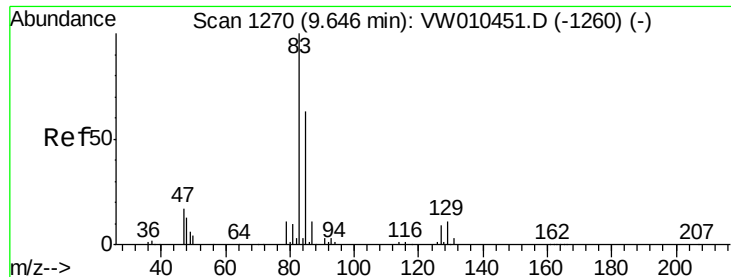
Tgt Ion: 63 Resp: 87253
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.3 36.5



#46
 Dibromomethane
 Concen: 52.909 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 93 Resp: 48890
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.1 99.1
 174 102.1 77.1 115.7





#47

Bromodichloromethane

Concen: 54.813 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

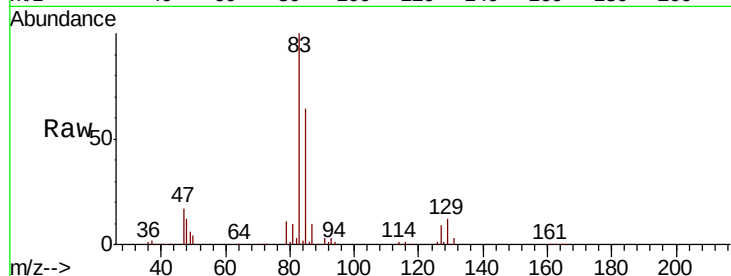
Tgt Ion: 83 Resp: 127281

Ion Ratio Lower Upper

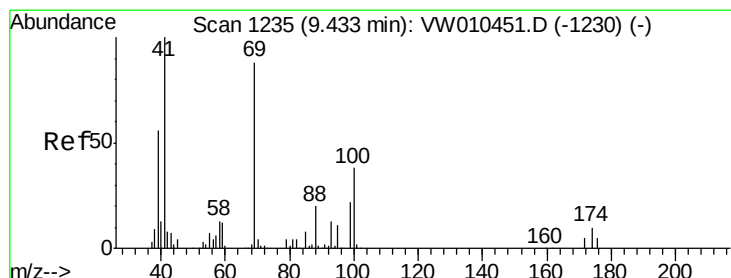
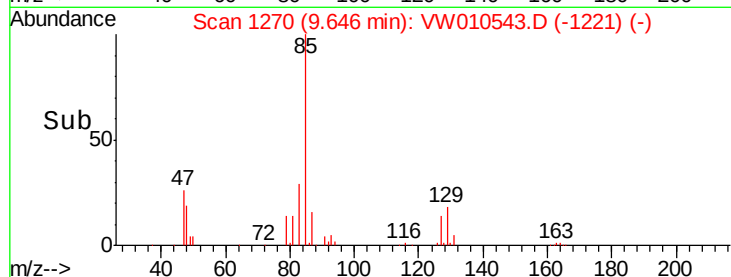
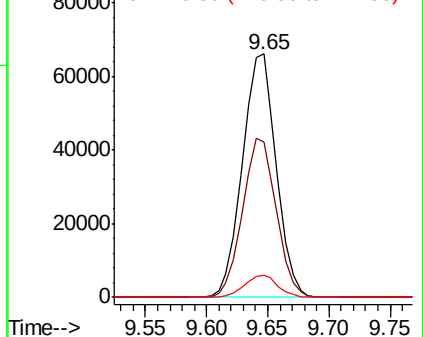
83 100

85 63.8 50.4 75.6

127 9.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 46.931 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

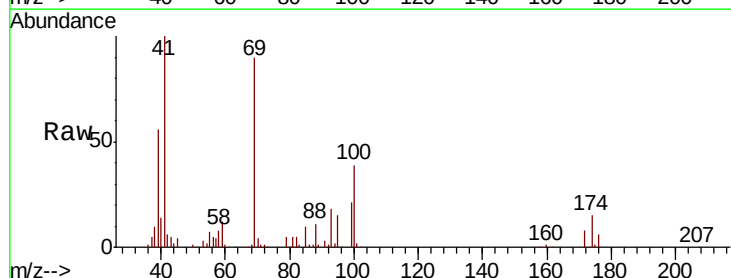
Tgt Ion: 41 Resp: 43660

Ion Ratio Lower Upper

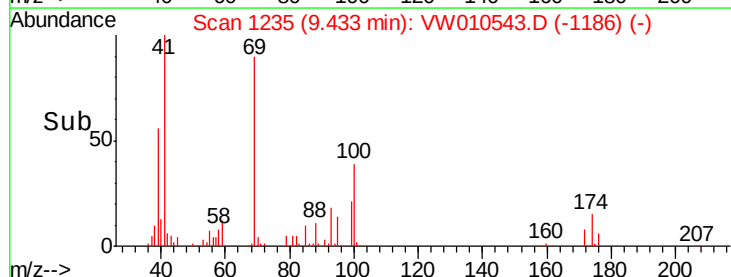
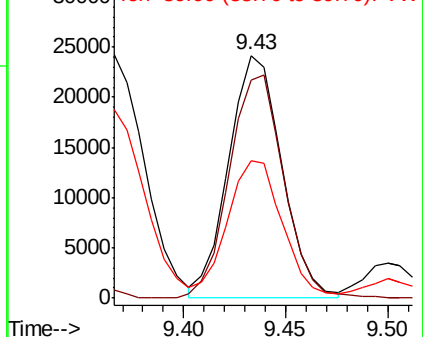
41 100

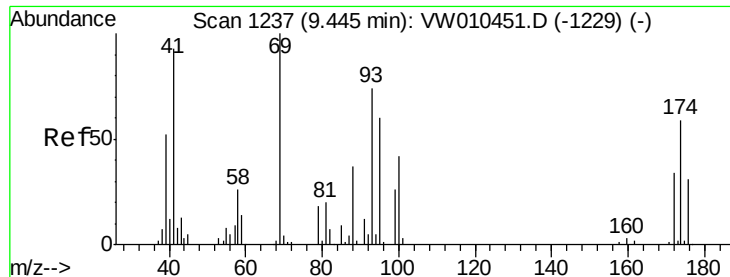
69 94.5 77.6 116.4

39 54.6 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

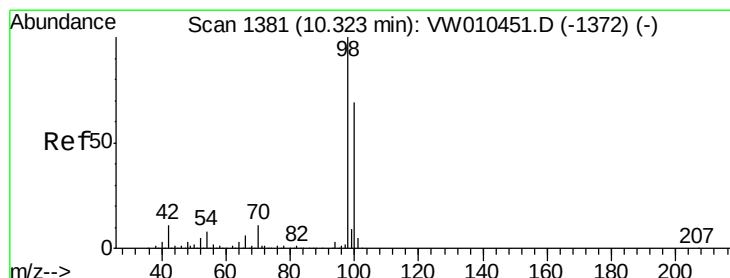
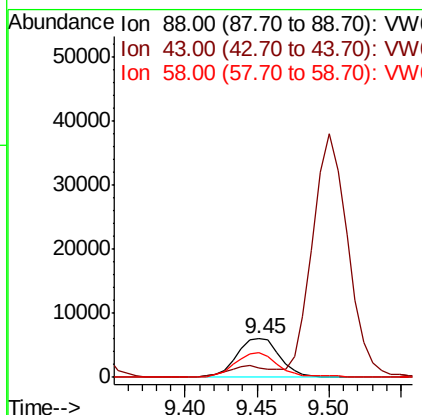
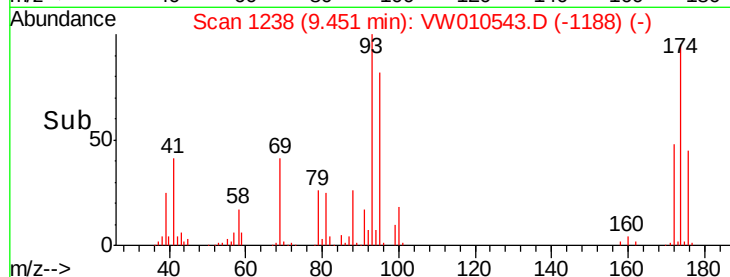
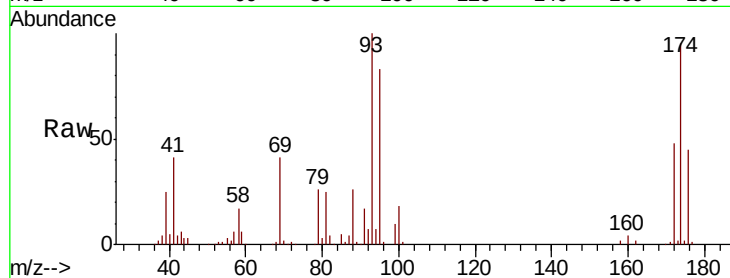




#49
1,4-Dioxane
Concen: 832.273 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

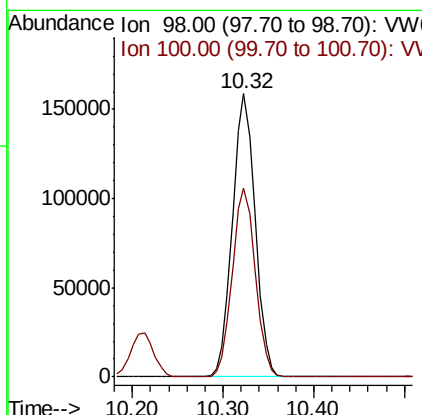
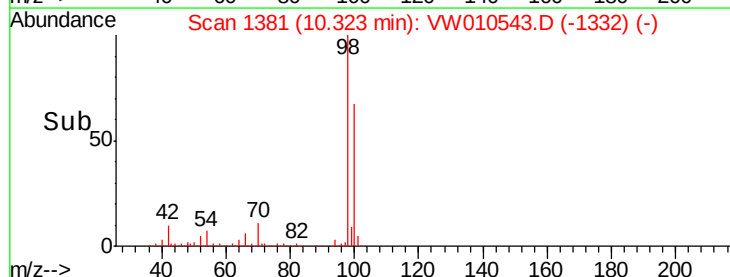
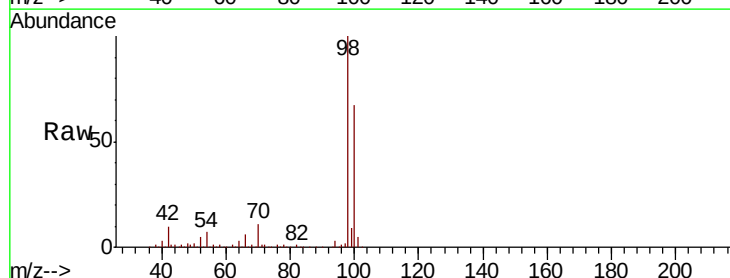
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

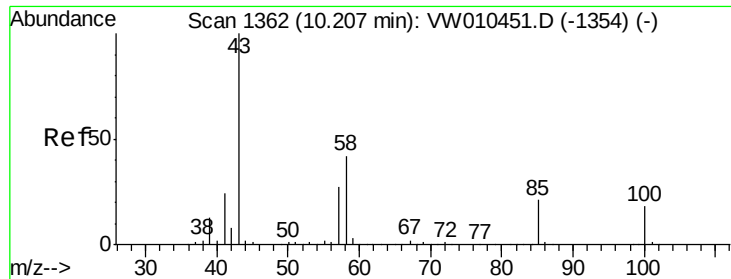
Tgt Ion: 88 Resp: 12563
Ion Ratio Lower Upper
88 100
43 30.7 25.9 38.9
58 63.0 52.7 79.1



#50
Toluene-d8
Concen: 46.487 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 98 Resp: 276883
Ion Ratio Lower Upper
98 100
100 67.2 53.7 80.5

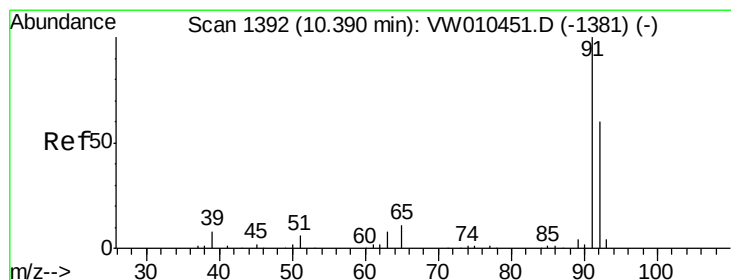
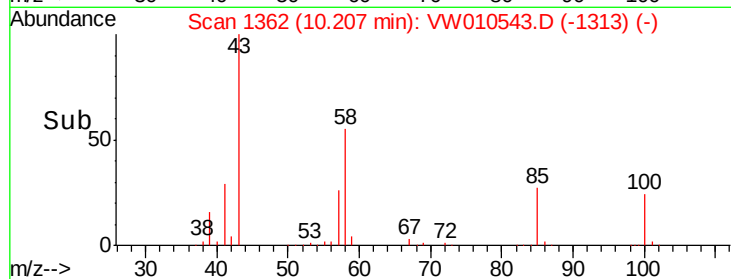
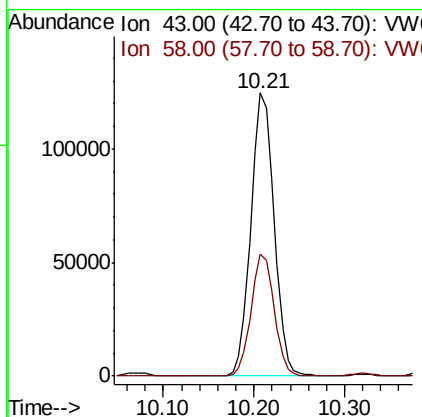
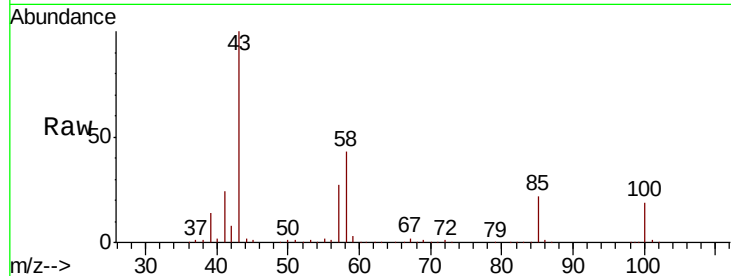




#51
 4-Methyl-2-Pentanone
 Concen: 214.977 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

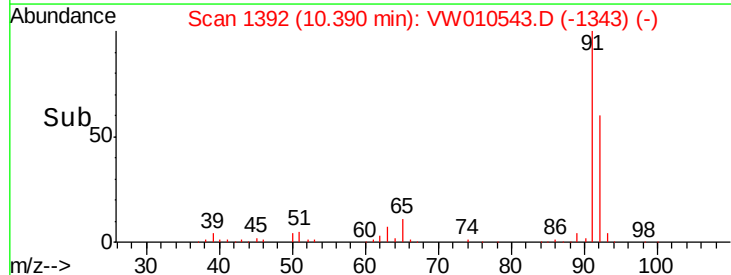
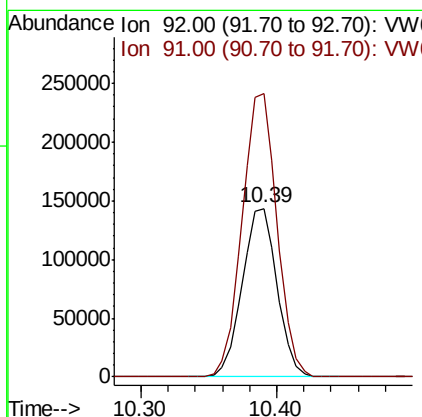
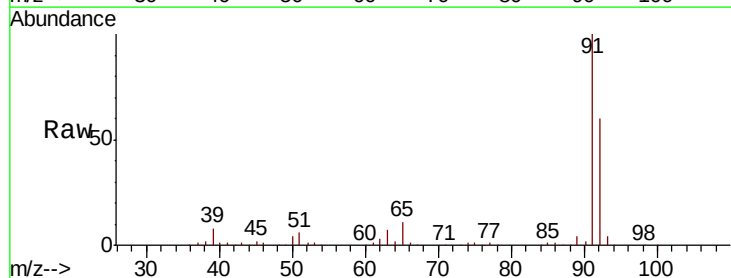
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

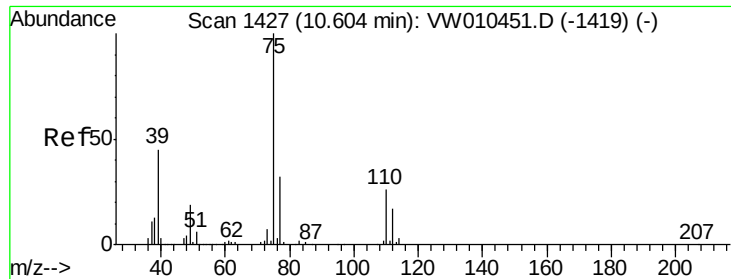
Tgt Ion: 43 Resp: 221515
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.2 49.8



#52
 Toluene
 Concen: 57.514 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 92 Resp: 256965
 Ion Ratio Lower Upper
 92 100
 91 168.4 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 52.569 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

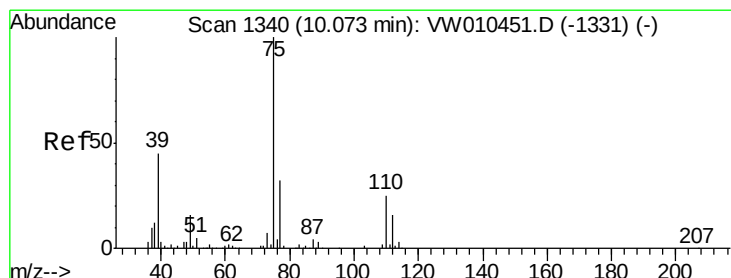
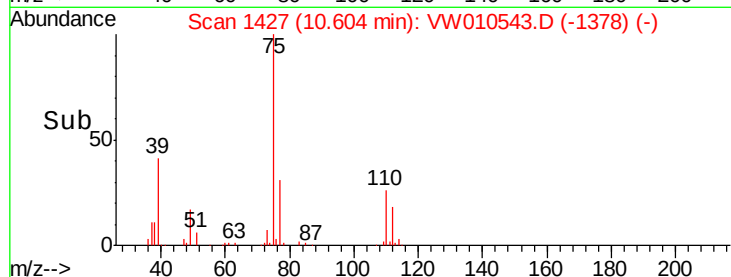
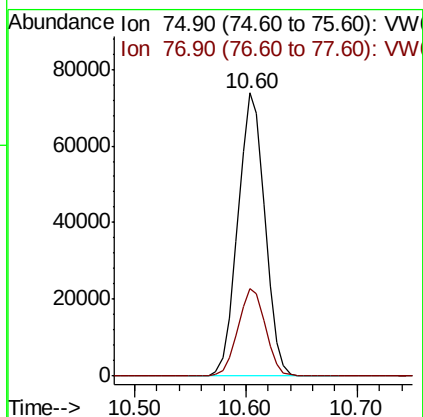
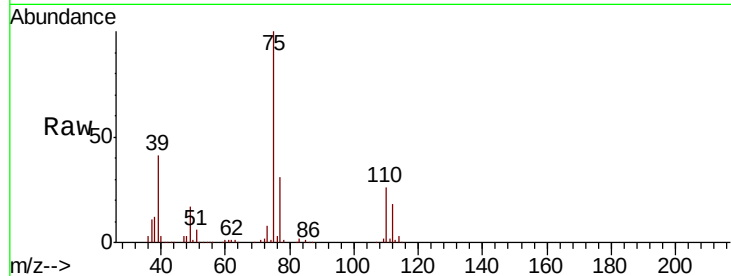
VSTDCCC050

Tgt Ion: 75 Resp: 123631

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 55.152 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

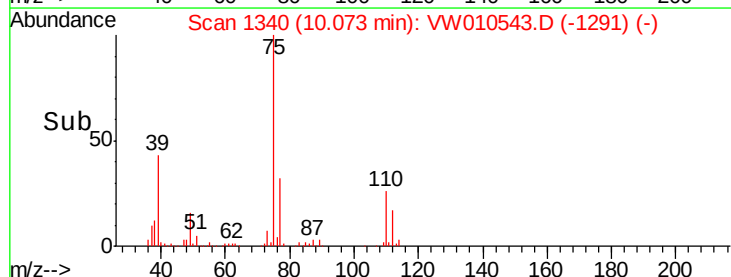
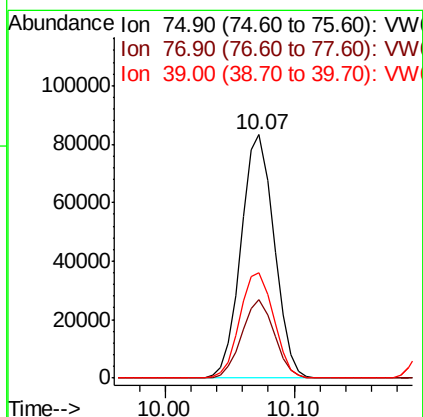
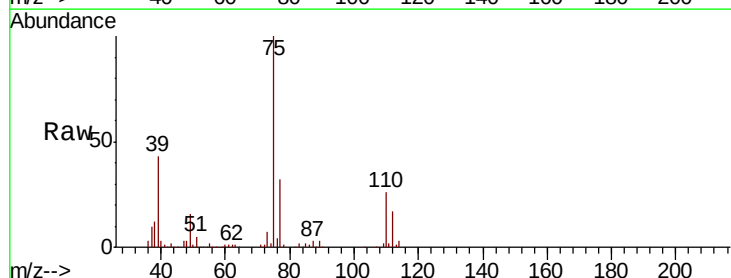
Tgt Ion: 75 Resp: 148130

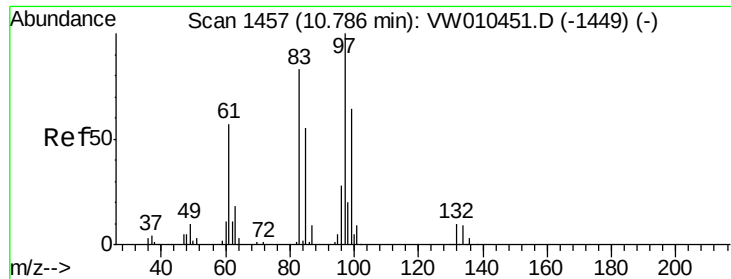
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 43.5 36.2 54.4

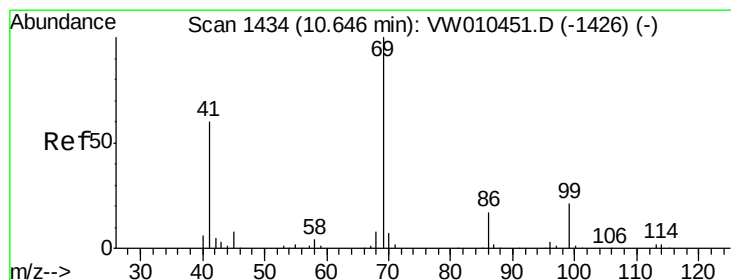
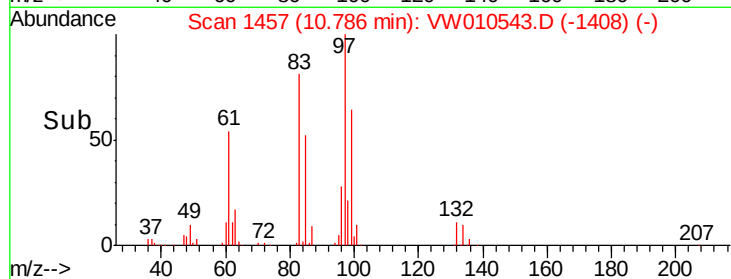
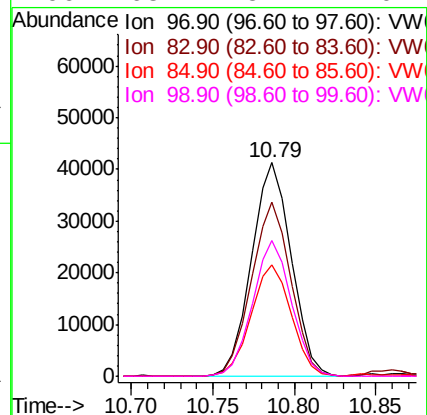
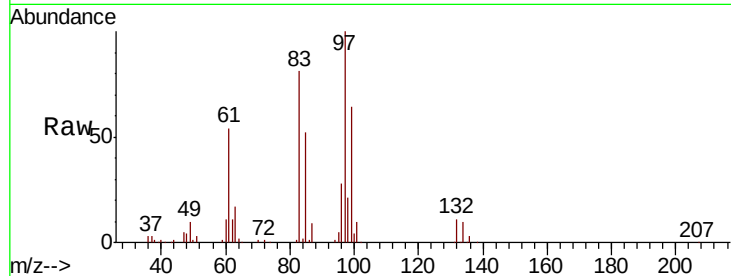




#55
 1,1,2-Trichloroethane
 Concen: 52.695 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

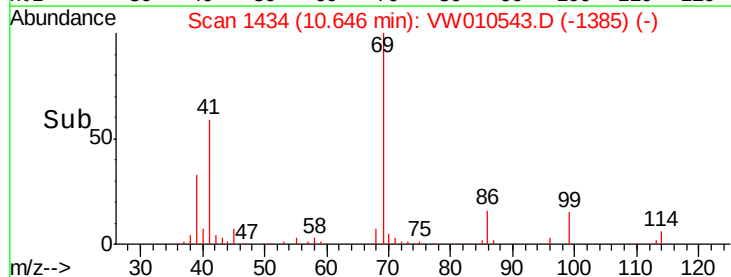
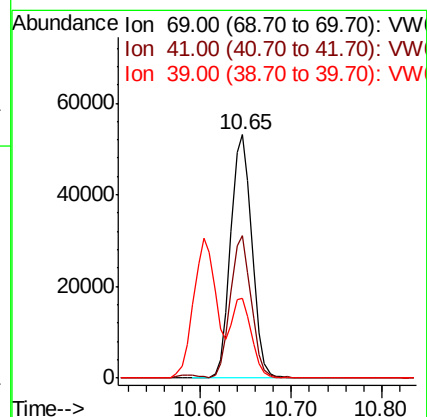
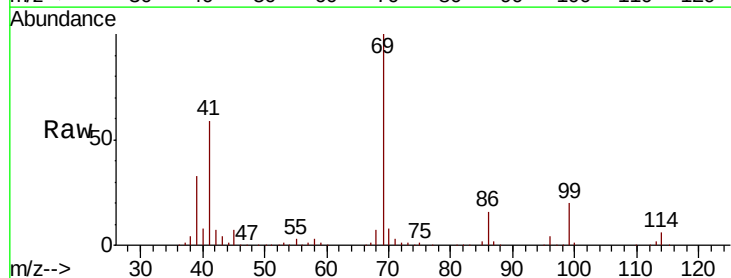
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

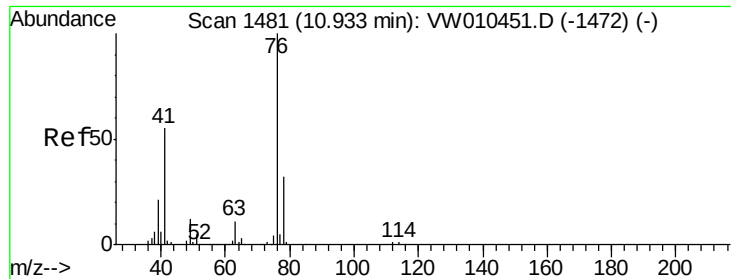
Tgt Ion:	97	Resp:	70020
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.1	99.1
85	52.2	44.2	66.4
99	63.7	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 47.337 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion:	69	Resp:	86751
Ion	Ratio	Lower	Upper
69	100		
41	57.3	47.7	71.5
39	30.6	25.3	37.9





#57

1,3-Dichloropropane

Concen: 52.066 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

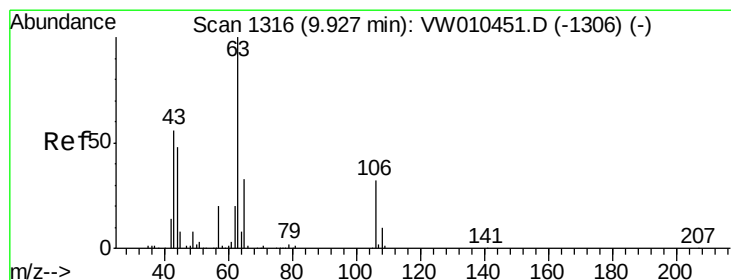
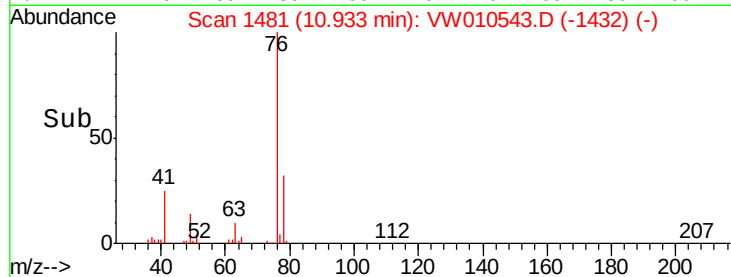
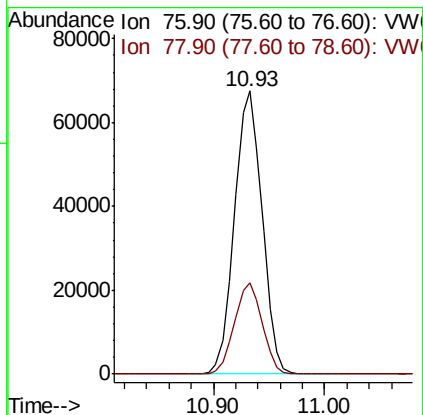
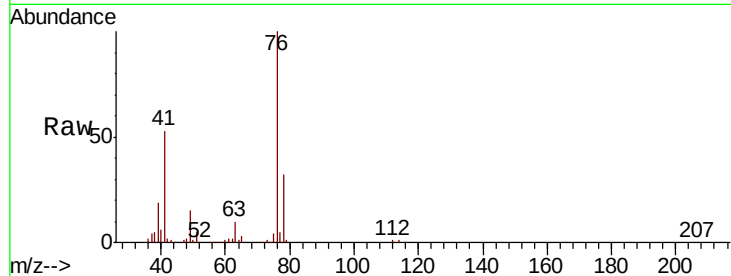
VSTDCCC050

Tgt Ion: 76 Resp: 115888

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 202.719 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010543.D

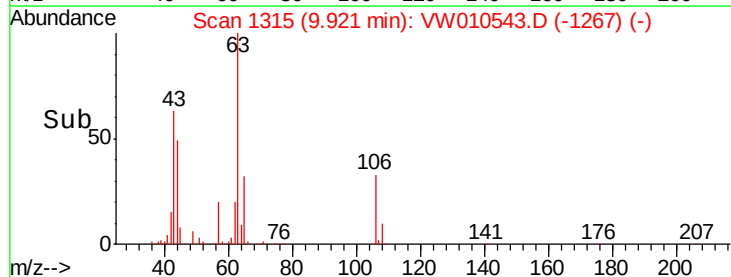
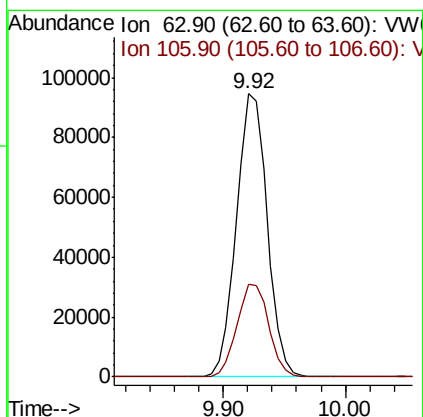
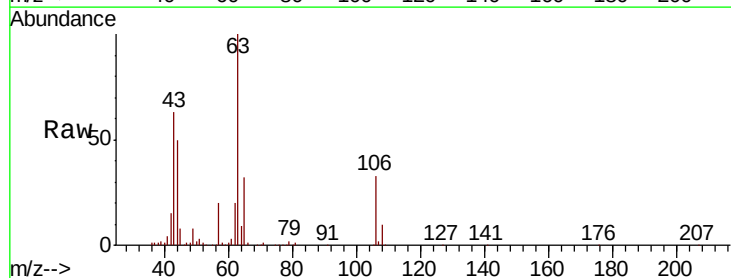
Acq: 24 May 2019 10:49

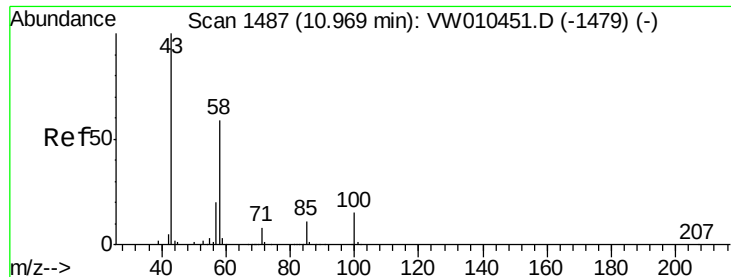
Tgt Ion: 63 Resp: 164551

Ion Ratio Lower Upper

63 100

106 33.7 25.8 38.6

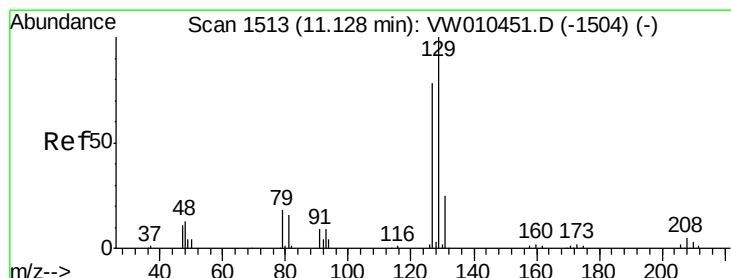
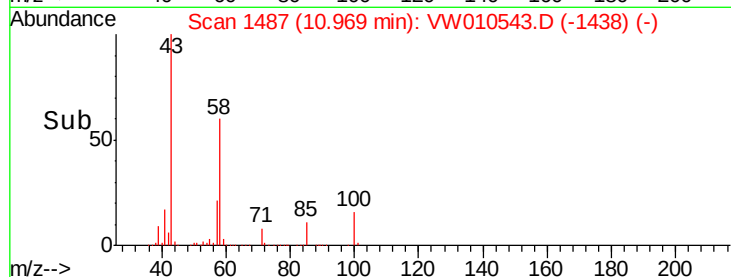
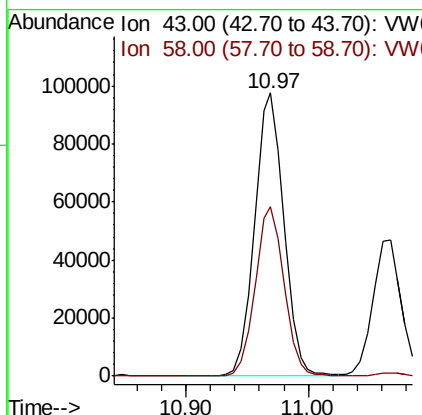
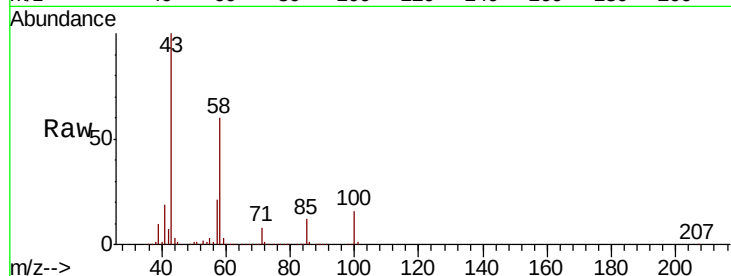




#59
2-Hexanone
Concen: 221.383 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

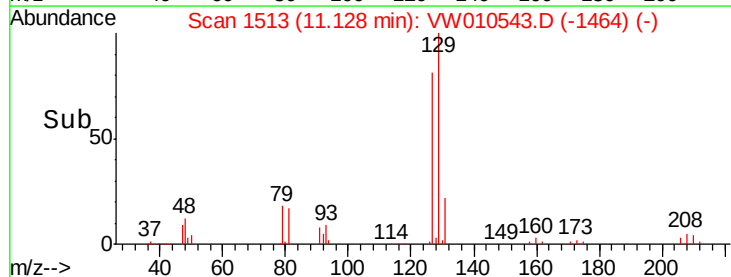
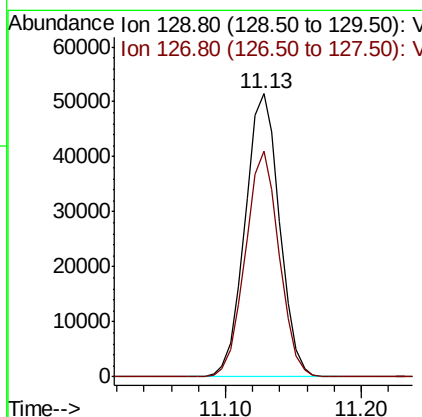
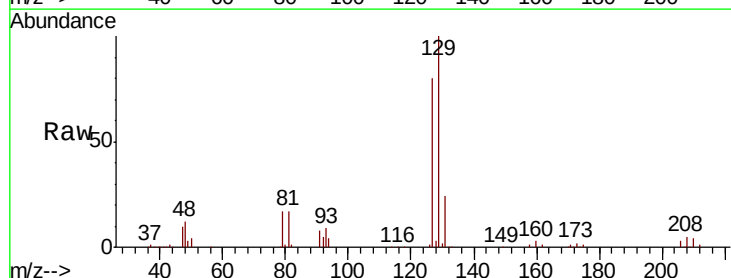
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

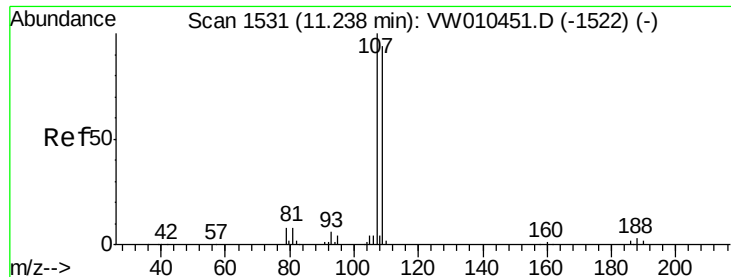
Tgt Ion: 43 Resp: 162726
Ion Ratio Lower Upper
43 100
58 59.1 28.9 86.8



#60
Dibromochloromethane
Concen: 54.220 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 129 Resp: 91182
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

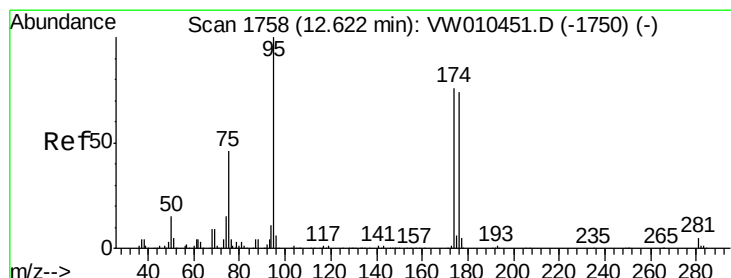
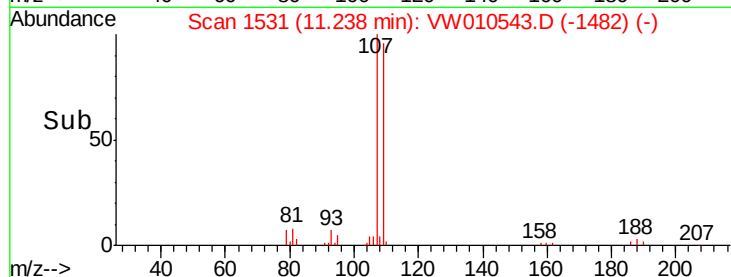
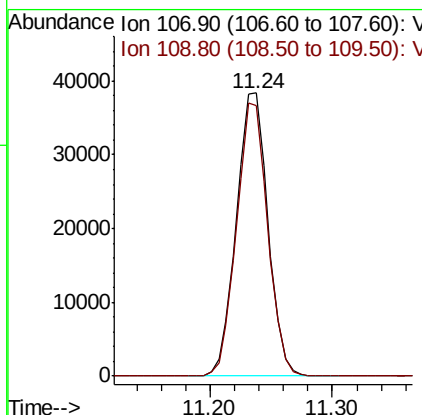
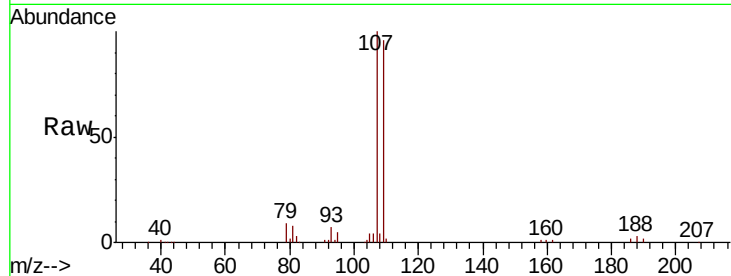




#61
 1,2-Dibromoethane
 Concen: 50.926 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

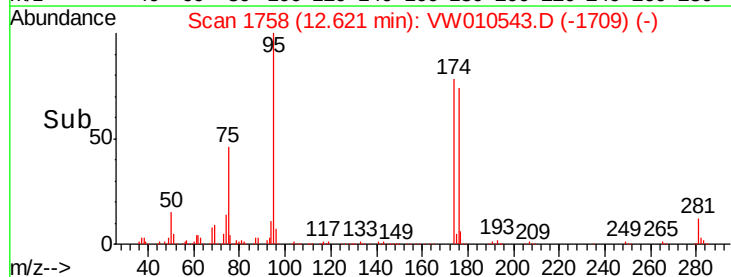
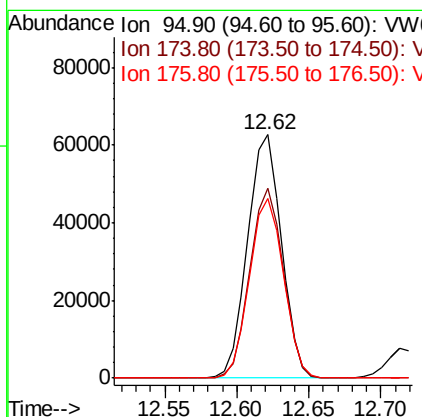
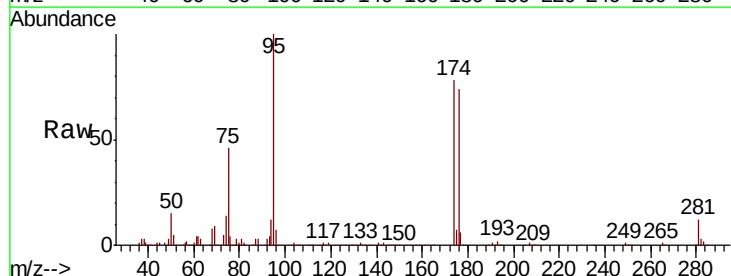
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

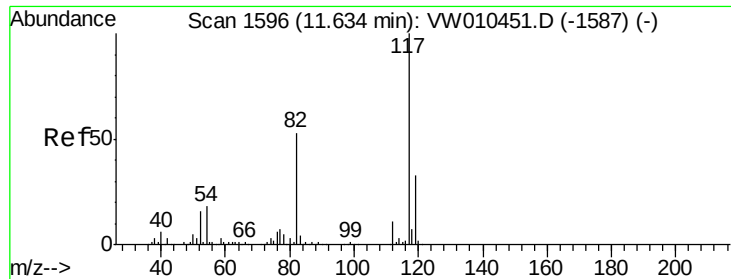
Tgt Ion: 107 Resp: 68549
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 42.969 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 95 Resp: 101941
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 148.6
 176 74.4 0.0 144.2

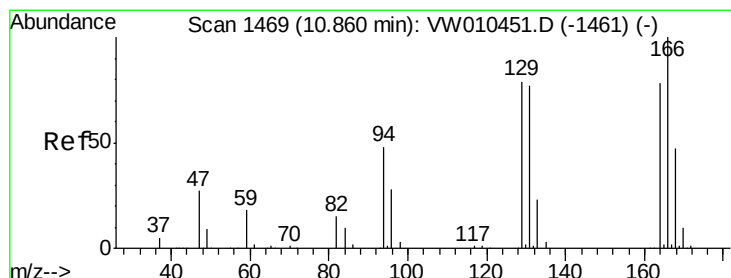
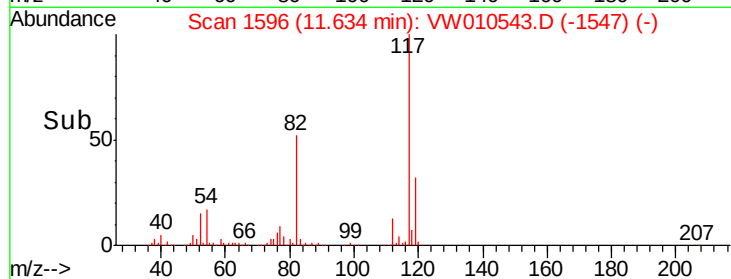
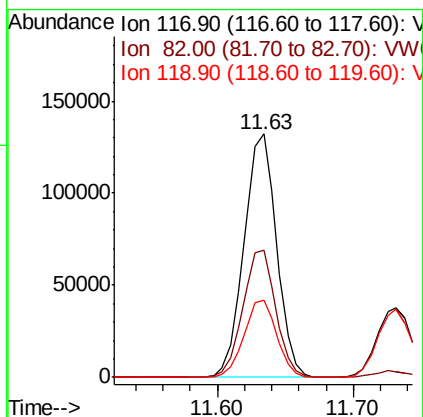
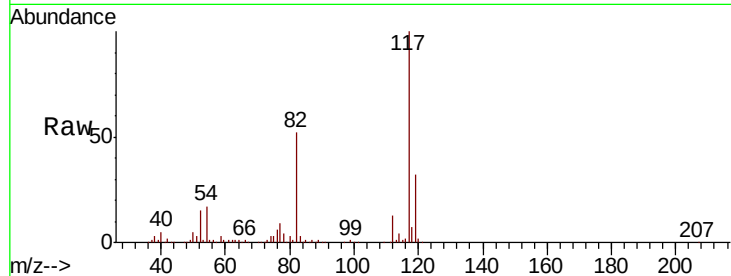




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

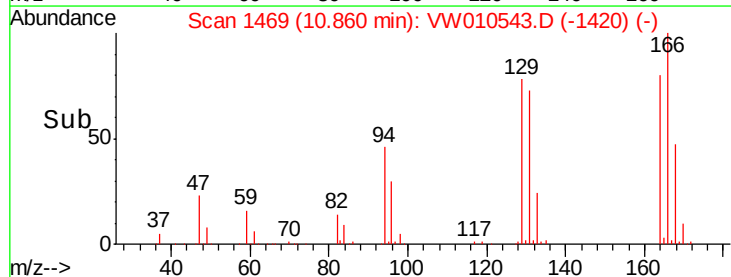
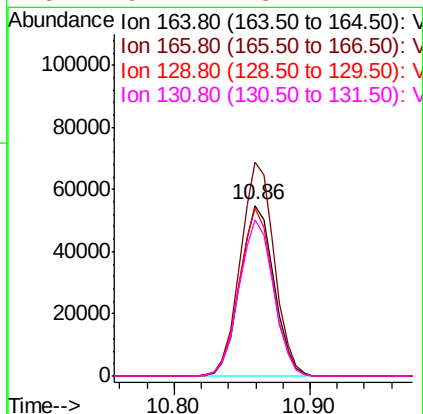
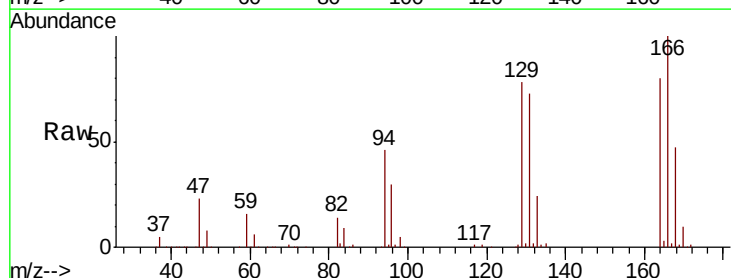
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

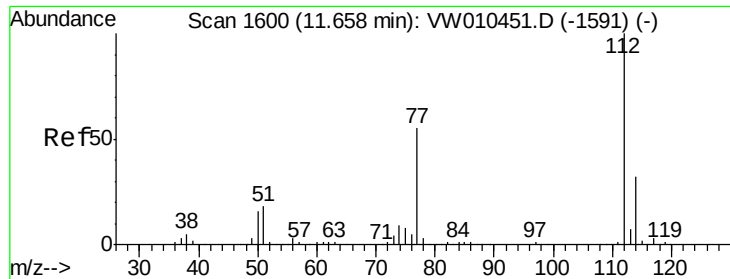
Tgt Ion:117 Resp: 222491
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 31.6 26.3 39.5



#64
Tetrachloroethene
Concen: 61.648 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:164 Resp: 95615
Ion Ratio Lower Upper
164 100
166 125.3 101.9 152.9
129 98.3 80.6 121.0
131 91.7 78.2 117.2

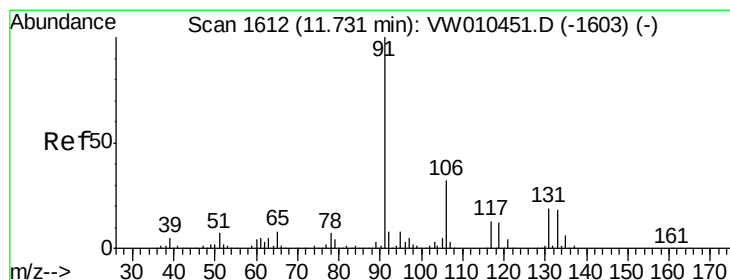
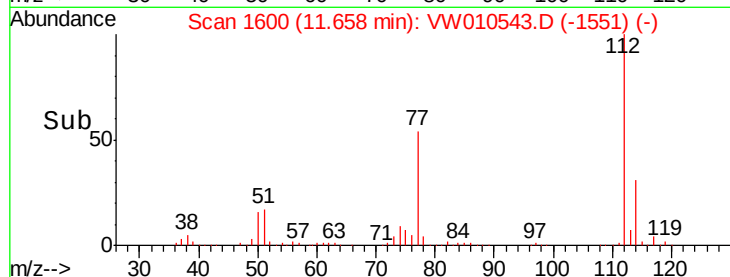
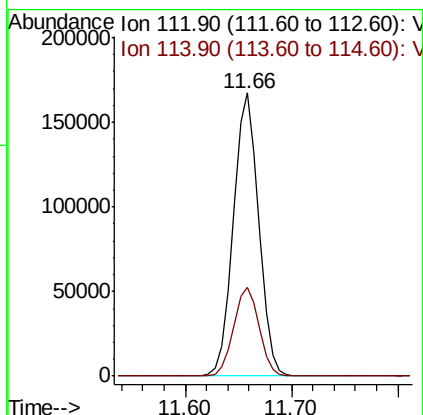
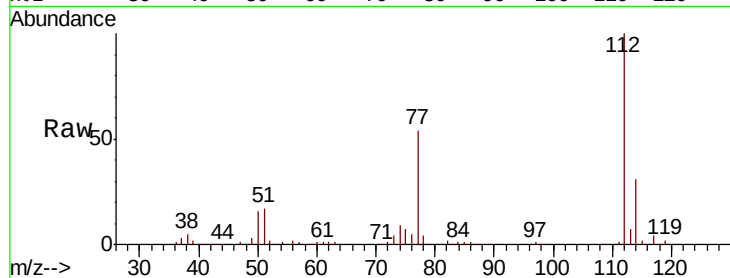




#65
Chlorobenzene
Concen: 58.882 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

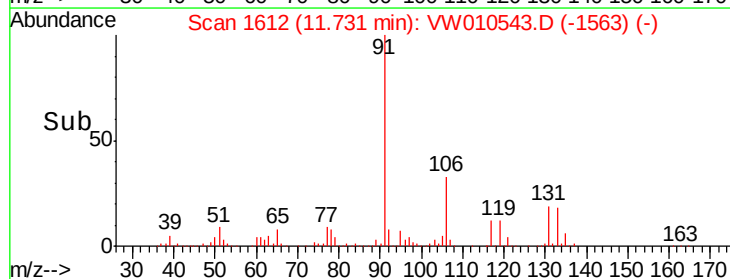
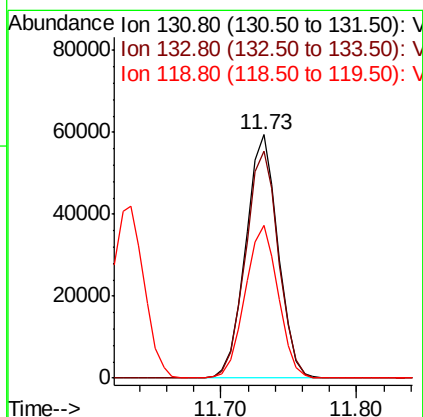
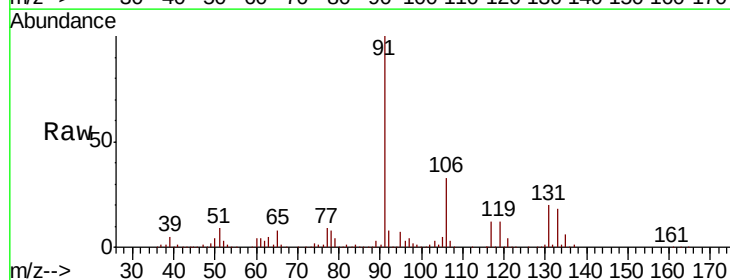
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

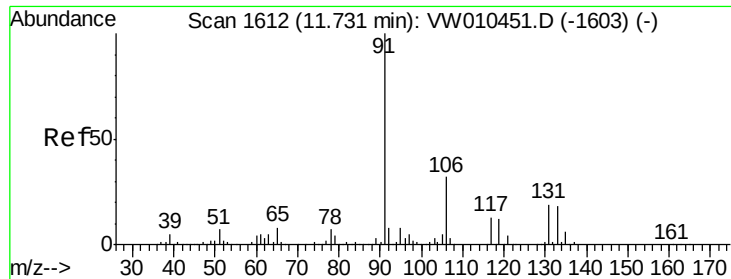
Tgt Ion:112 Resp: 279205
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 58.162 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:131 Resp: 98796
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 63.9 32.1 96.5

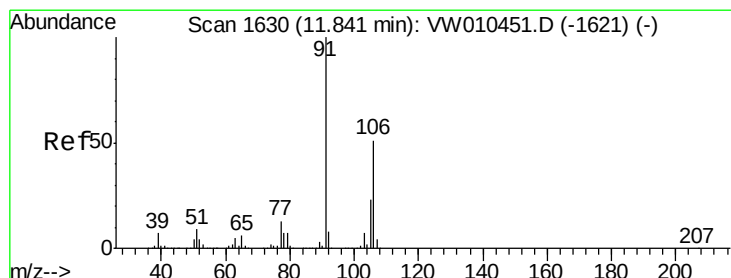
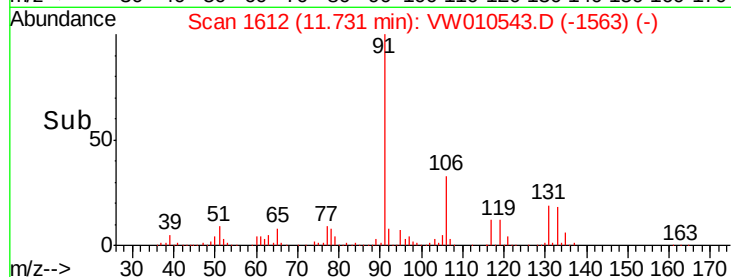
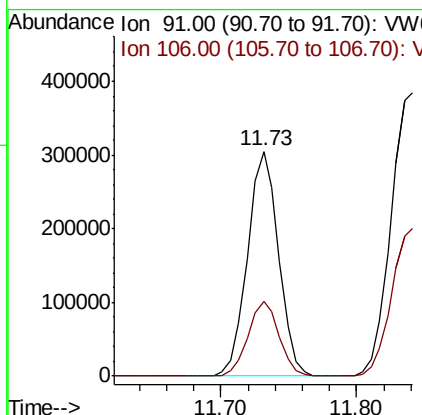
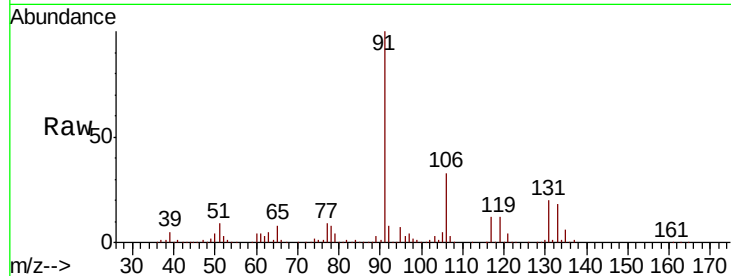




#67
Ethyl Benzene
Concen: 58.277 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

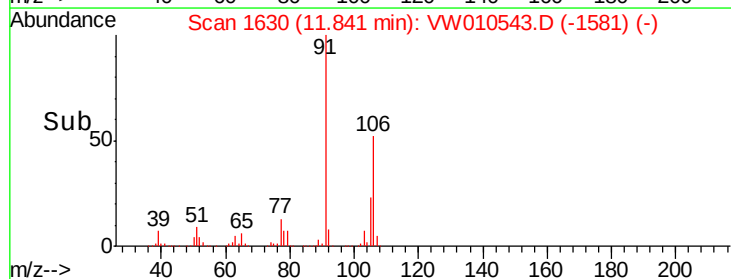
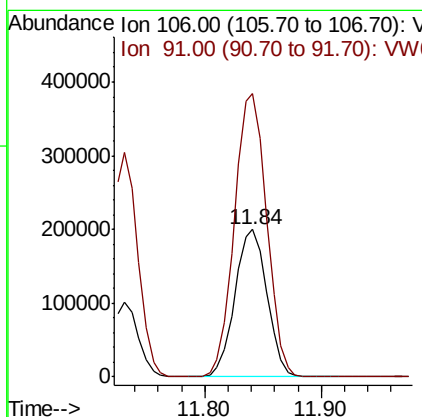
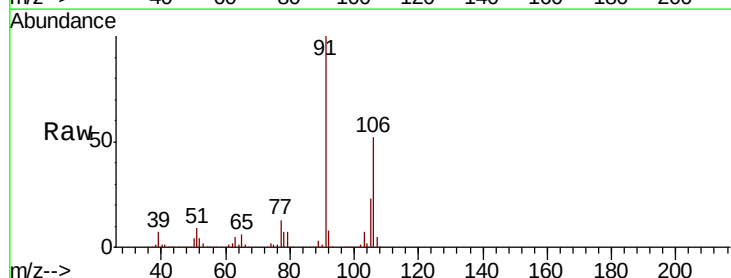
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

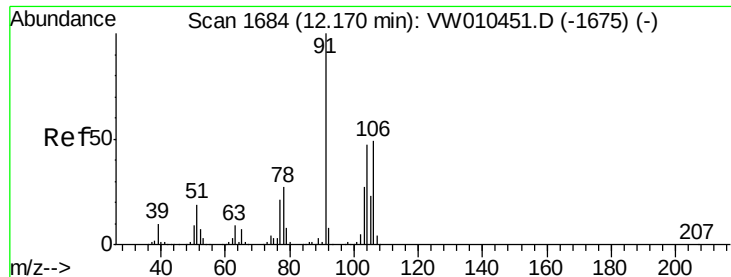
Tgt Ion: 91 Resp: 487889
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9



#68
m/p-Xylenes
Concen: 116.585 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 106 Resp: 382829
Ion Ratio Lower Upper
106 100
91 193.8 156.0 234.0

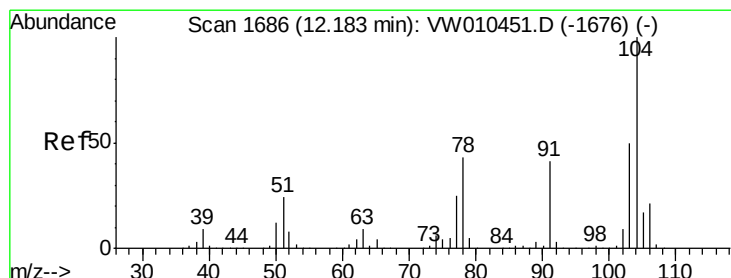
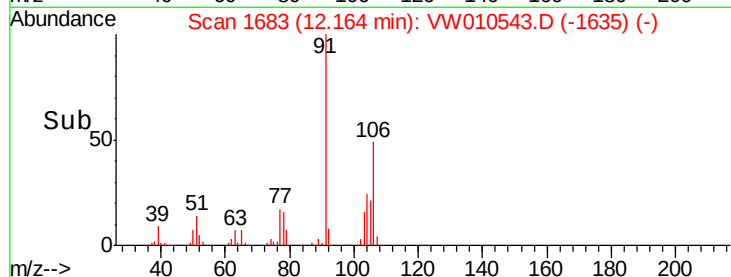
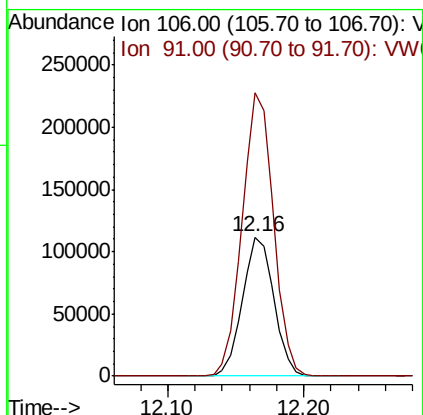
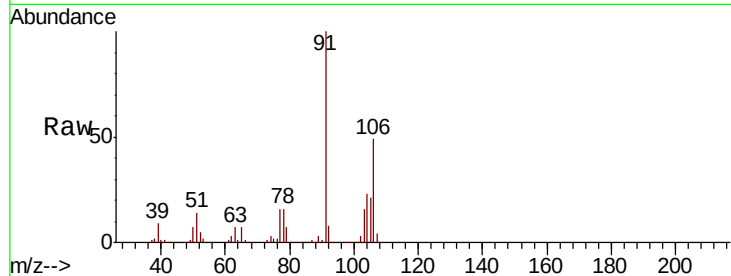




#69
o-Xylene
Concen: 58.072 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

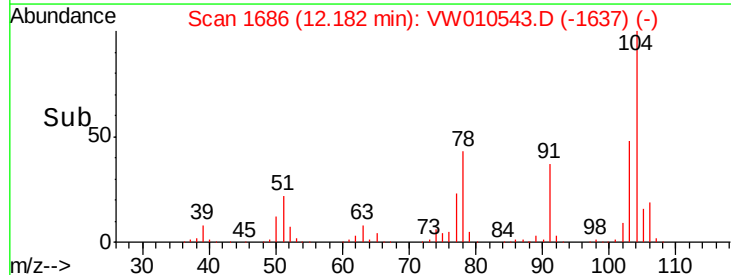
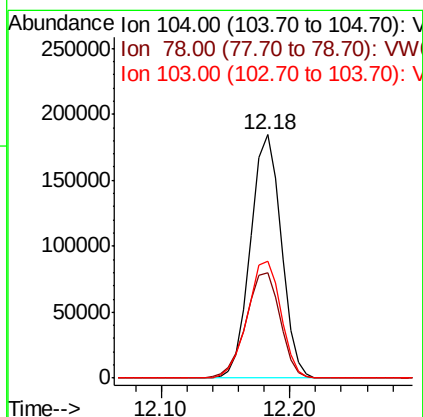
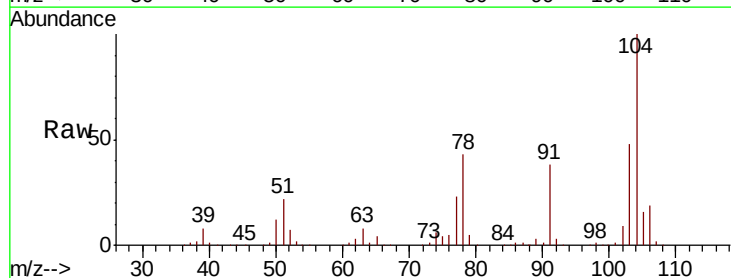
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

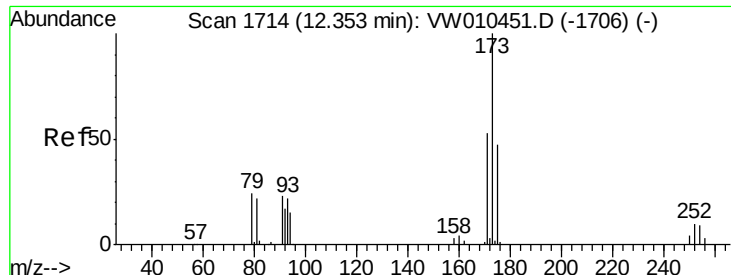
Tgt Ion:106 Resp: 180669
Ion Ratio Lower Upper
106 100
91 202.9 103.2 309.4



#70
Styrene
Concen: 57.572 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:104 Resp: 303907
Ion Ratio Lower Upper
104 100
78 48.1 39.0 58.4
103 52.6 43.0 64.6





#71

Bromoform

Concen: 51.303 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

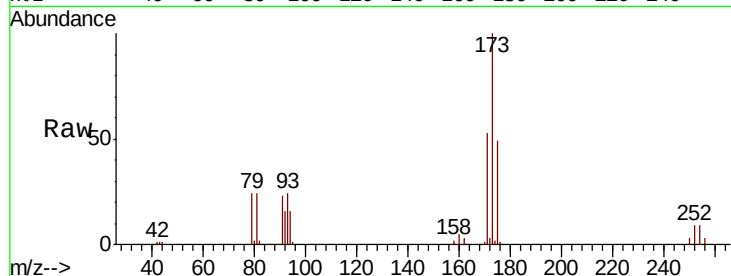
Tgt Ion:173 Resp: 47989

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.4

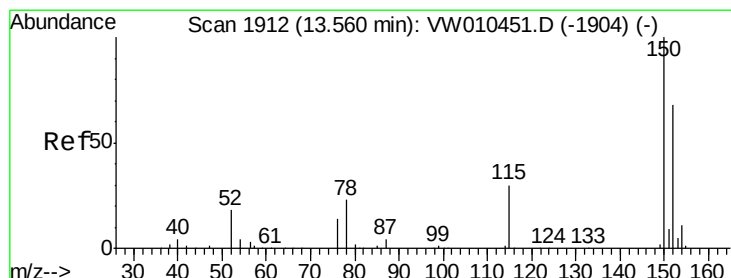
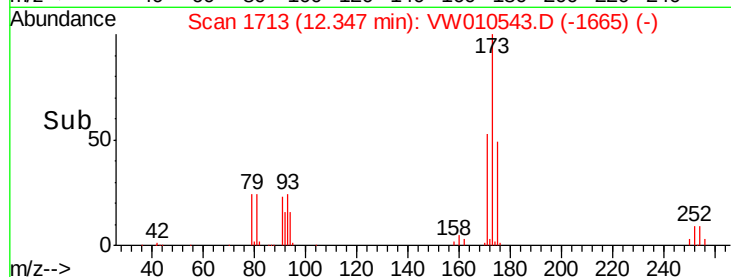
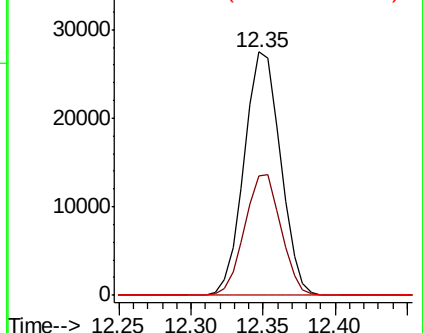
254 0.0 0.0 0.0



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: VW010543.D

Acq: 24 May 2019 10:49

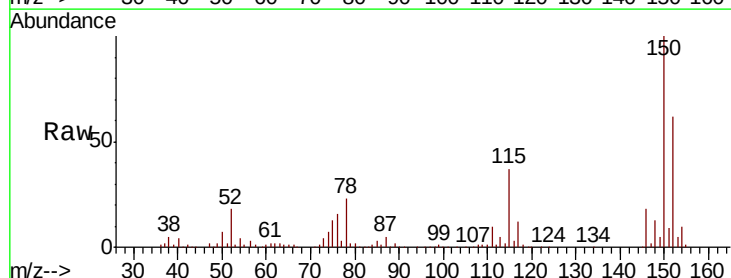
Tgt Ion:152 Resp: 105687

Ion Ratio Lower Upper

152 100

115 58.6 30.3 91.0

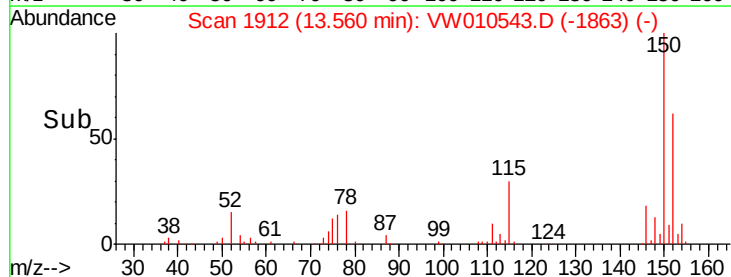
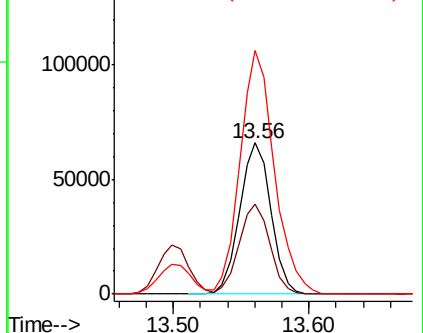
150 176.2 0.0 349.8

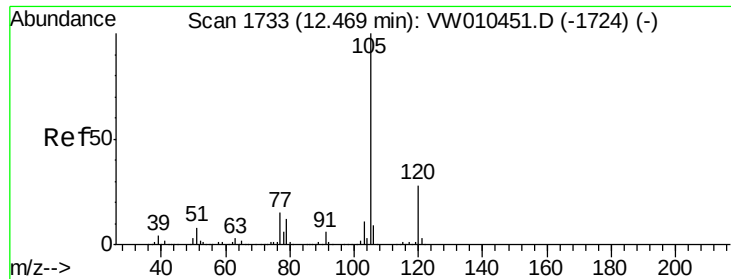


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.290 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

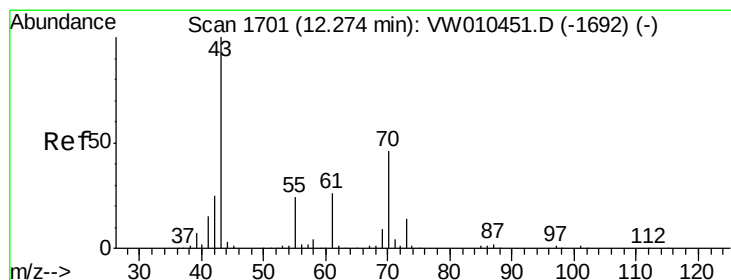
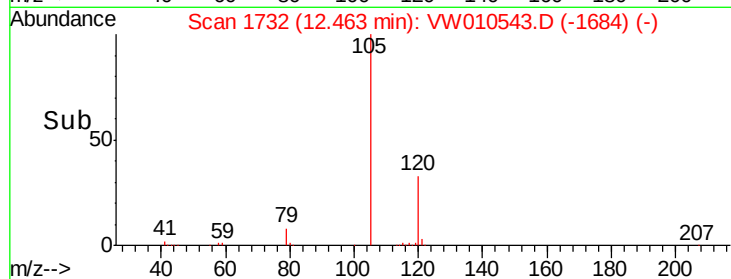
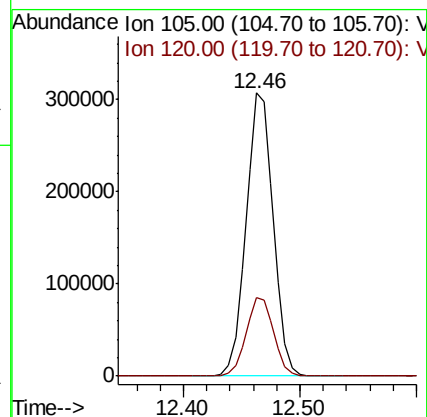
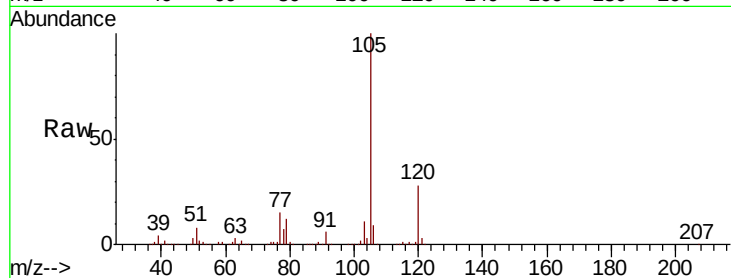
VSTDCCC050

Tgt Ion: 105 Resp: 497238

Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.7



#74

N-ethyl acetate

Concen: 43.562 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion: 43 Resp: 83718

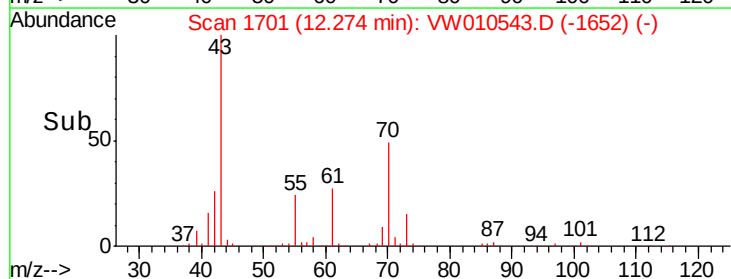
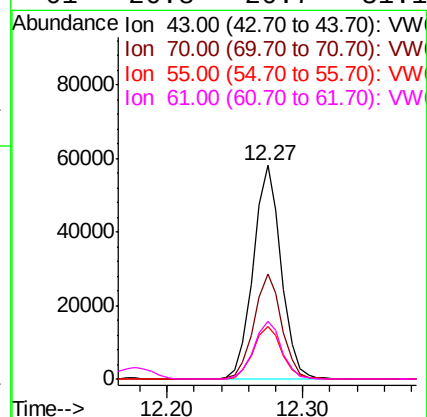
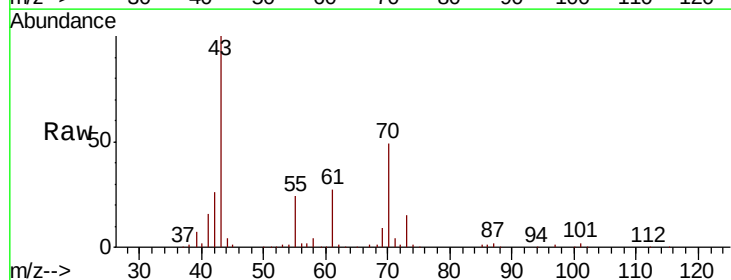
Ion Ratio Lower Upper

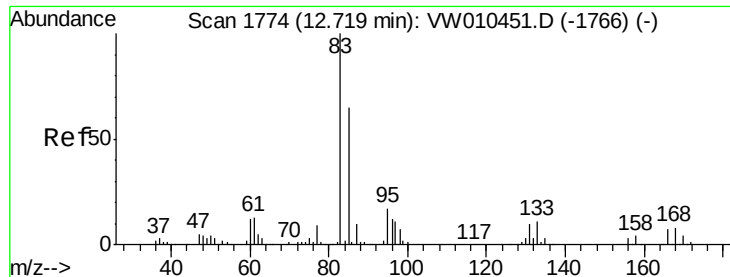
43 100

70 48.7 37.1 55.7

55 25.1 19.6 29.4

61 26.8 20.7 31.1

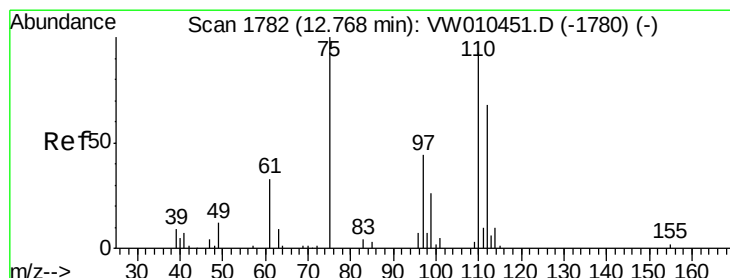
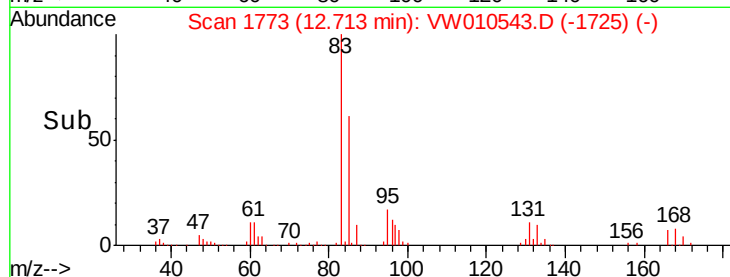
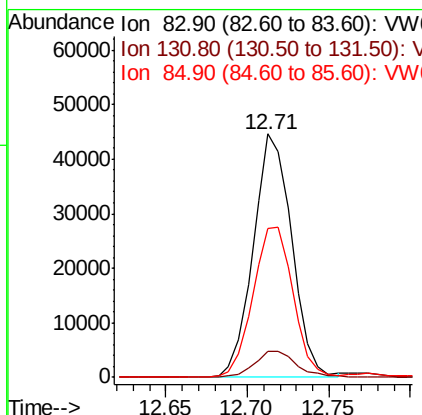
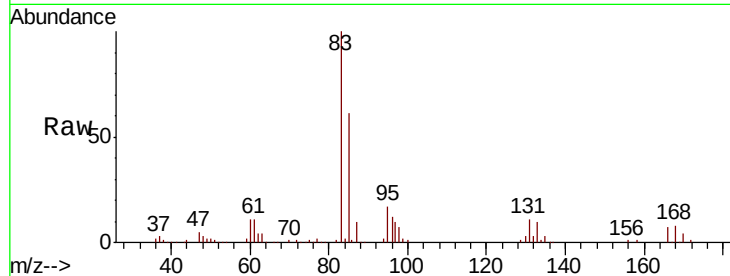




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.108 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

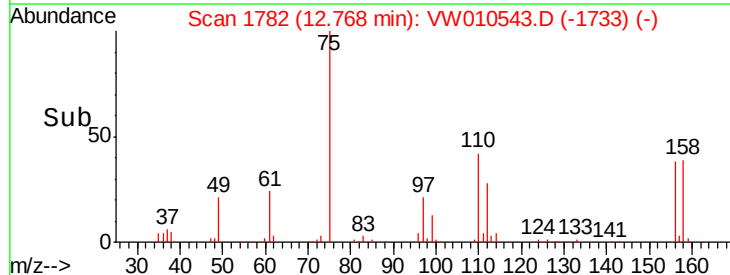
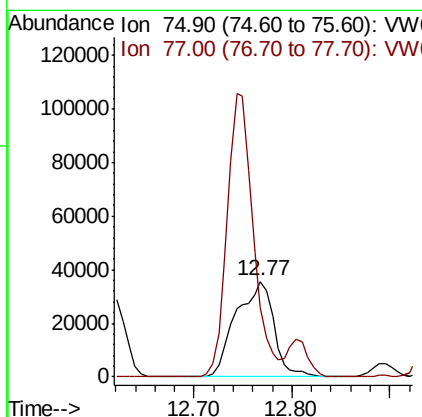
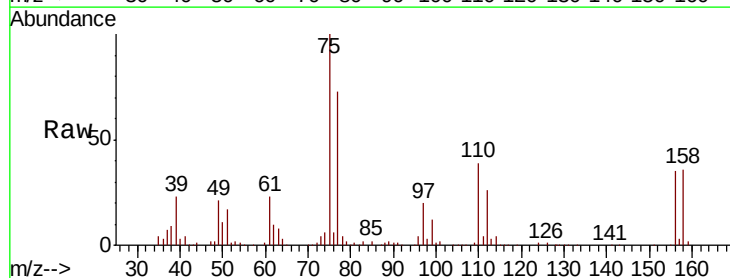
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

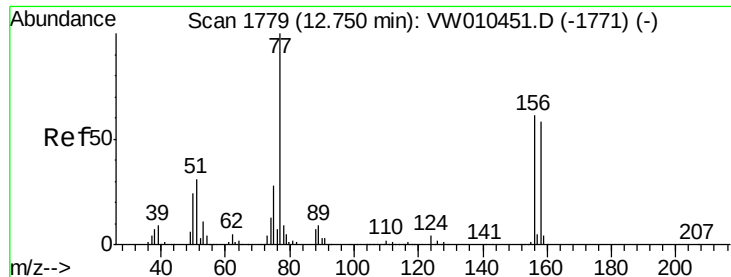
Tgt Ion: 83 Resp: 73384
 Ion Ratio Lower Upper
 83 100
 131 11.9 5.6 16.8
 85 64.3 32.4 97.0



#76
 1,2,3-Trichloropropane
 Concen: 89.521 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 75 Resp: 96037
 Ion Ratio Lower Upper
 75 100
 77 0.0 170.0 510.1#





#77

Bromobenzene

Concen: 59.368 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

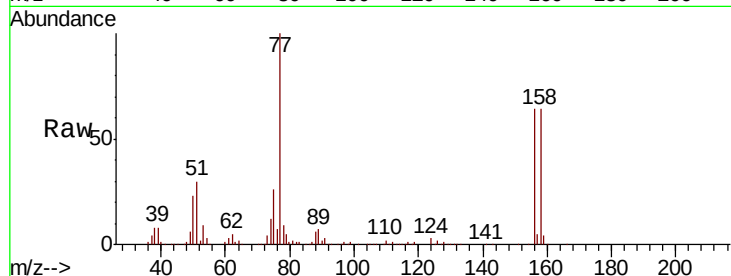
Tgt Ion:156 Resp: 111420

Ion Ratio Lower Upper

156 100

77 175.9 92.4 277.2

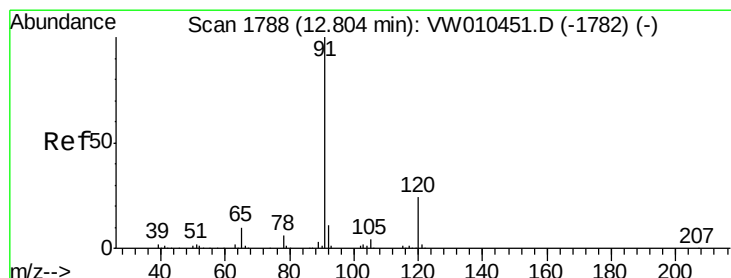
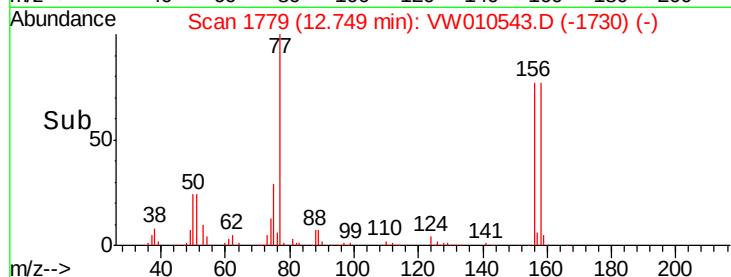
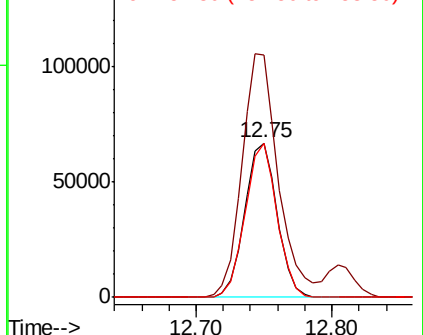
158 98.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.397 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010543.D

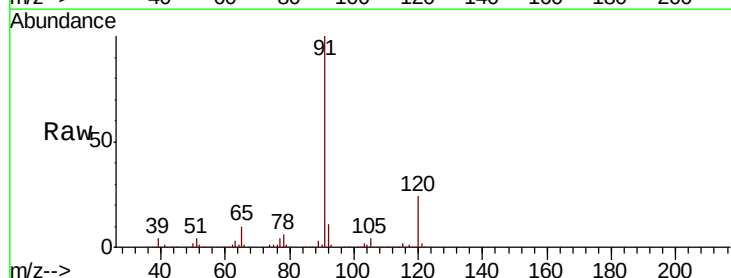
Acq: 24 May 2019 10:49

Tgt Ion: 91 Resp: 570745

Ion Ratio Lower Upper

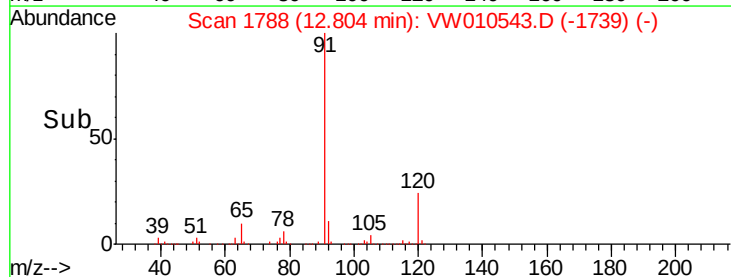
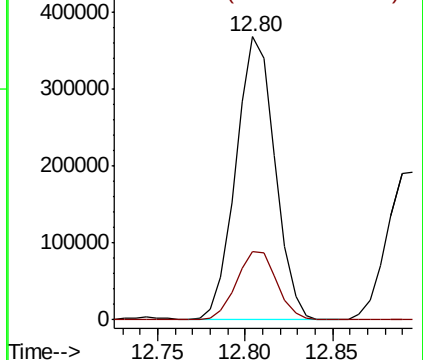
91 100

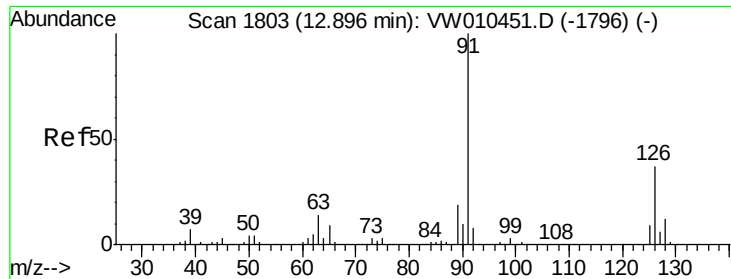
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

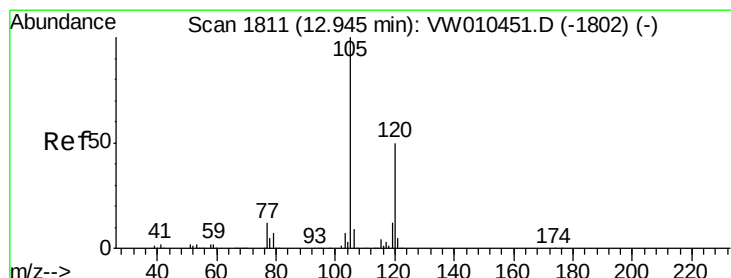
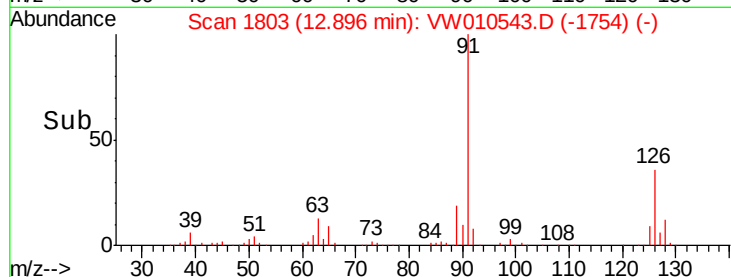
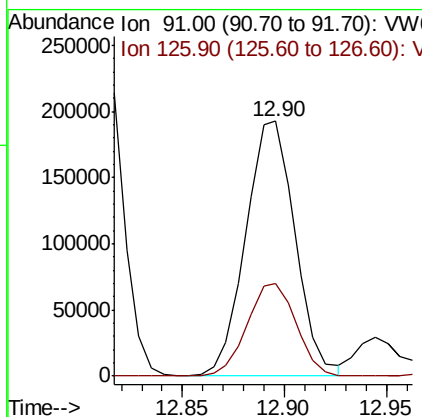
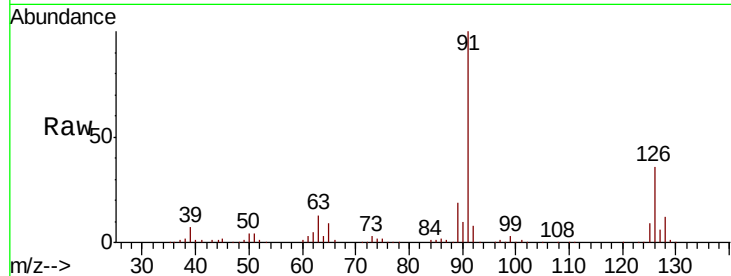




#79
 2-Chlorotoluene
 Concen: 57.356 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

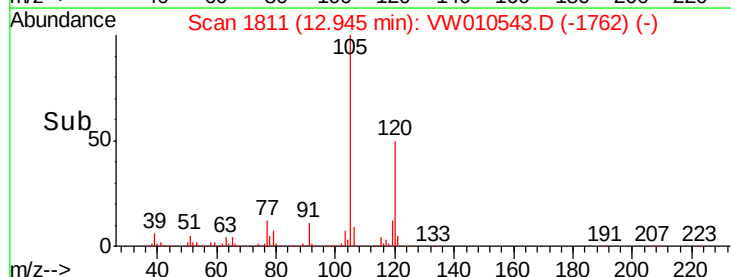
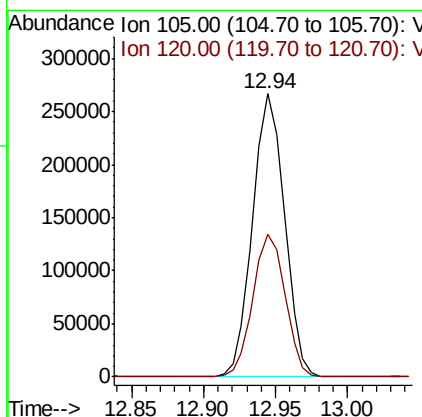
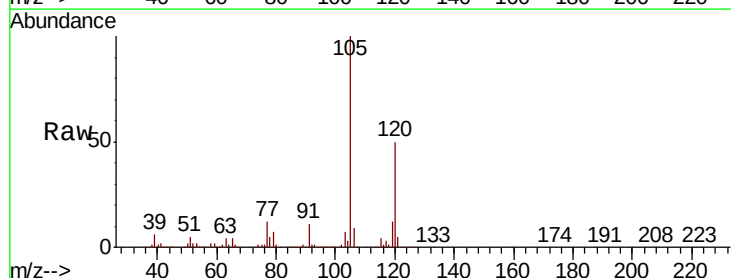
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

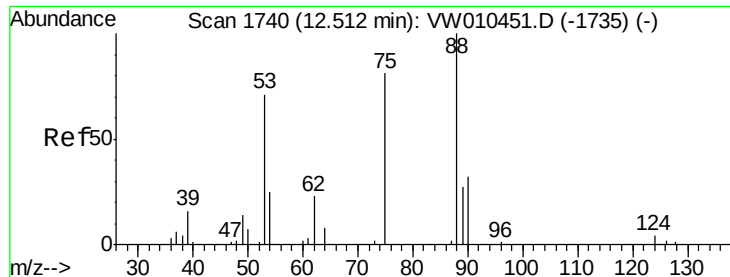
Tgt Ion: 91 Resp: 325089
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 57.587 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 105 Resp: 409041
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.151 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

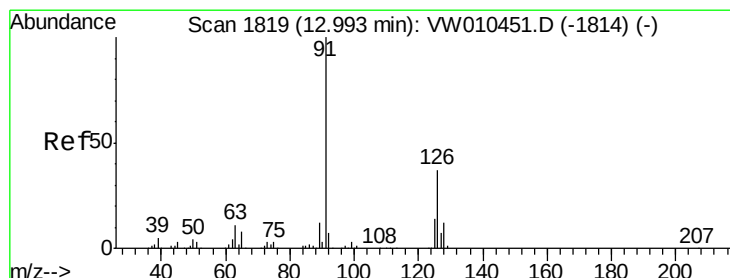
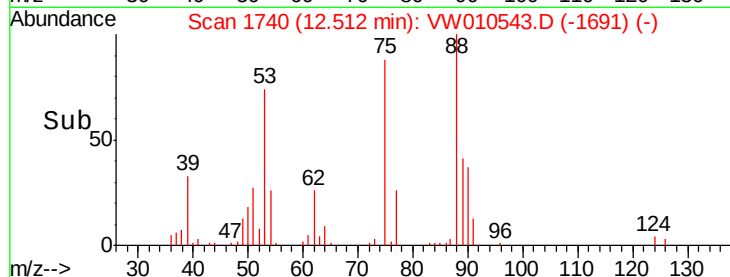
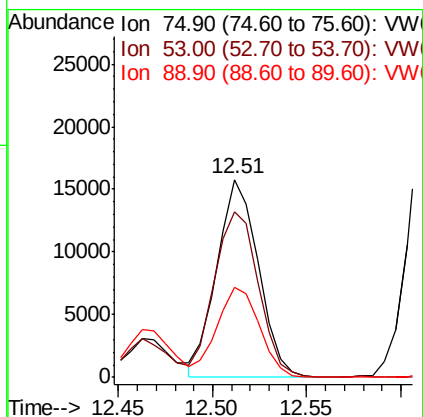
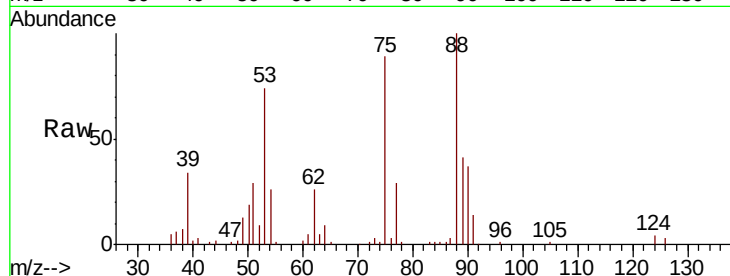
Tgt Ion: 75 Resp: 24237

Ion Ratio Lower Upper

75 100

53 88.6 69.8 104.8

89 47.0 39.5 59.3



#82

4-Chlorotoluene

Concen: 56.806 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010543.D

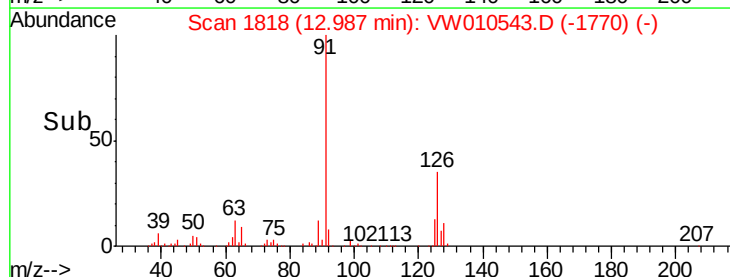
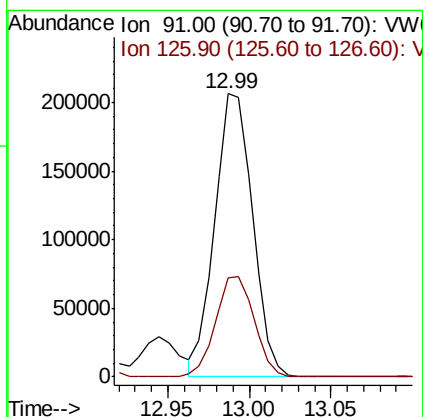
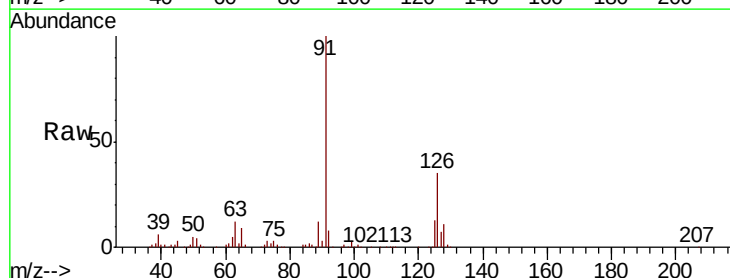
Acq: 24 May 2019 10:49

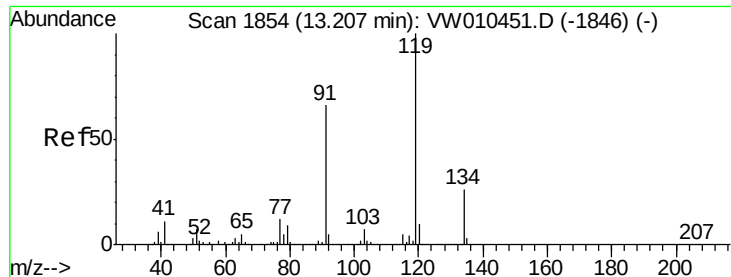
Tgt Ion: 91 Resp: 334192

Ion Ratio Lower Upper

91 100

126 36.2 17.5 52.6

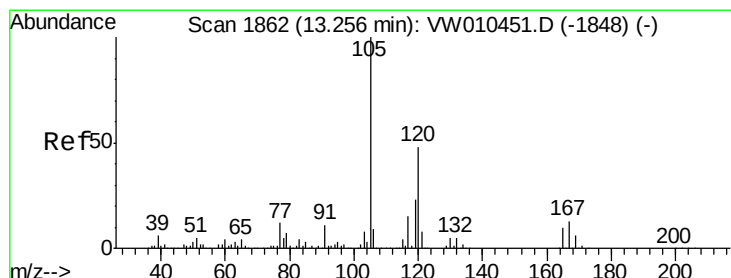
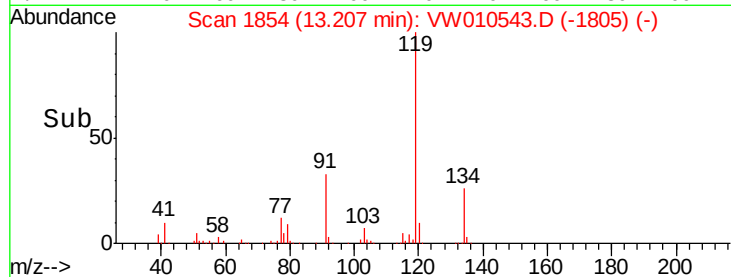
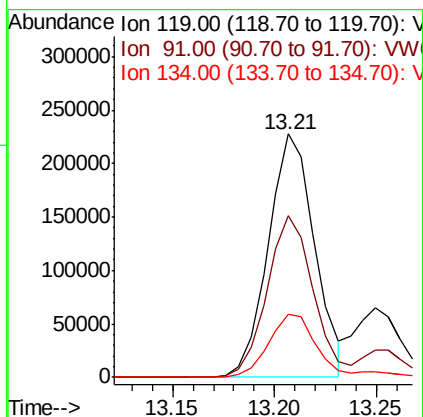
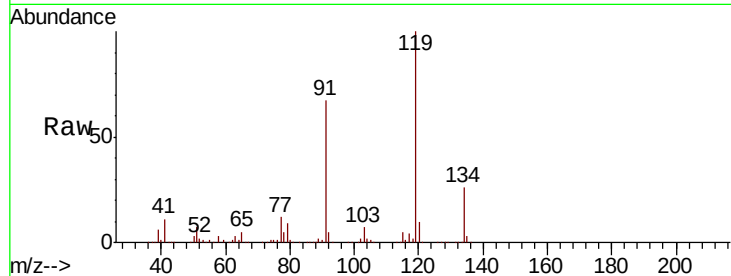




#83
 tert-Butylbenzene
 Concen: 58.100 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

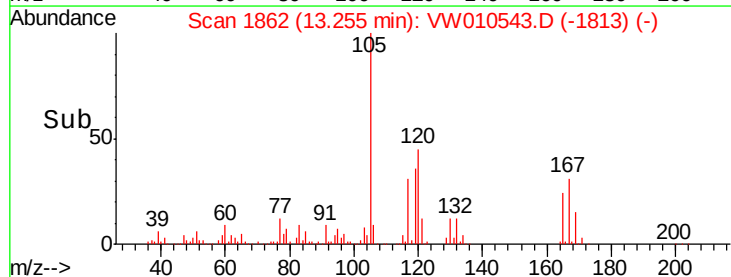
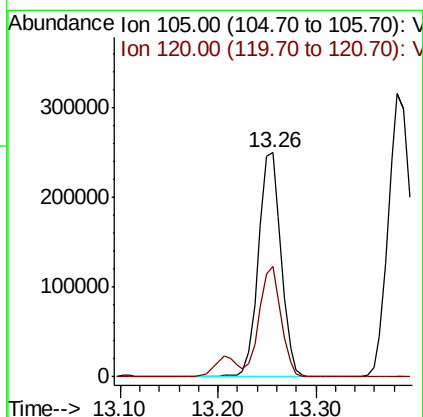
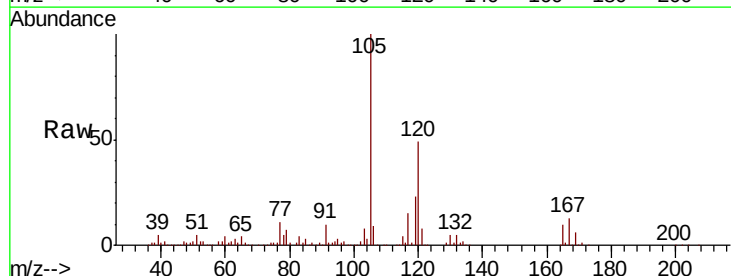
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

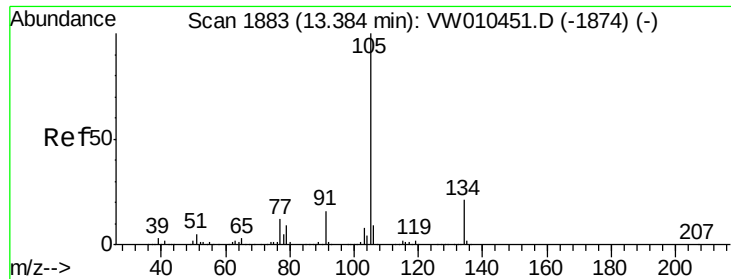
Tgt Ion:119 Resp: 360479
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.1 99.5
 134 28.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 56.610 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion:105 Resp: 400476
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.2

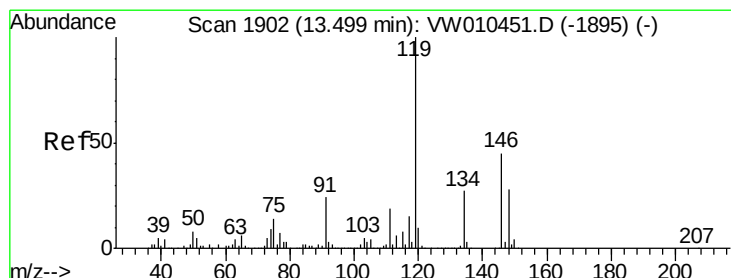
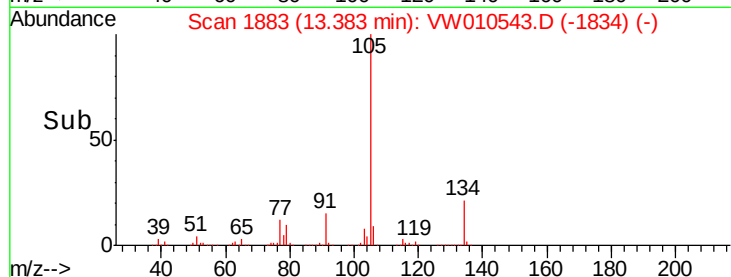
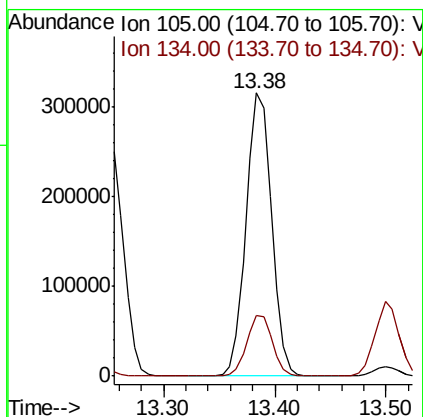
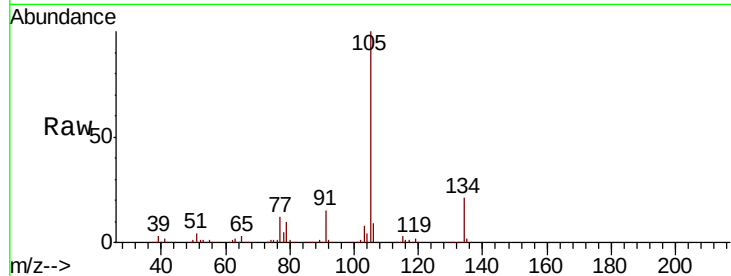




#85
 sec-Butylbenzene
 Concen: 58.091 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

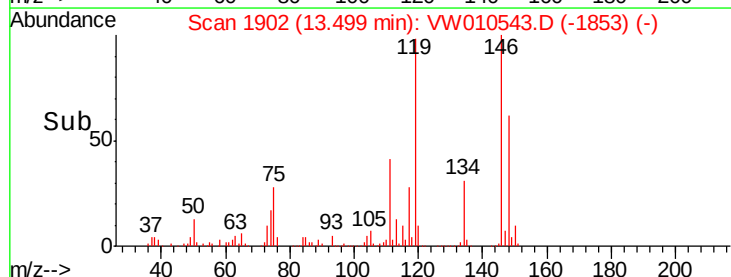
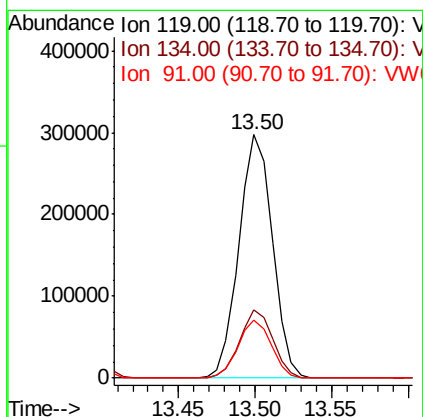
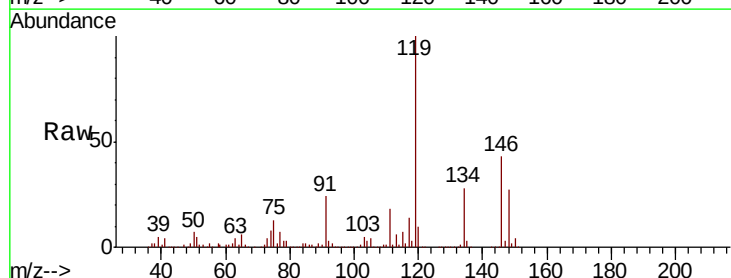
Instrument :
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 ClientSampleId :
 VSTDCCC050

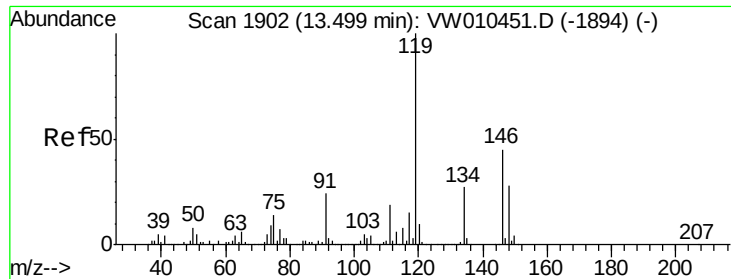
Tgt Ion:105 Resp: 504390
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 57.590 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion:119 Resp: 452600
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.7
 91 23.7 11.9 35.7

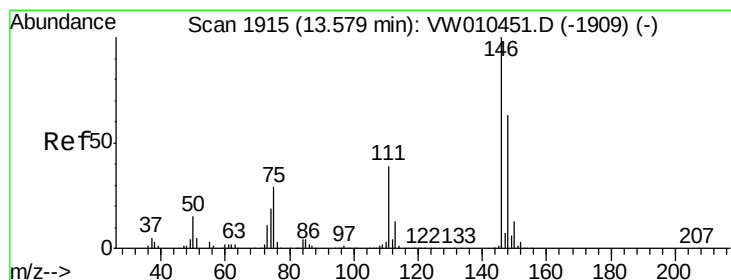
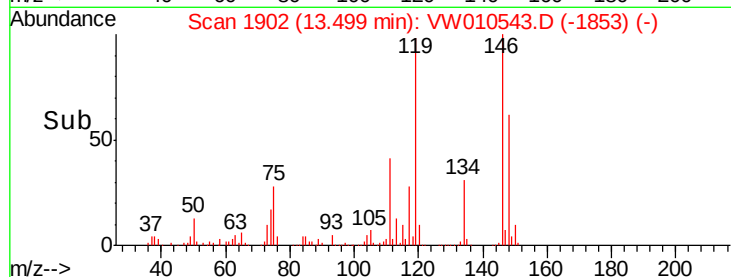
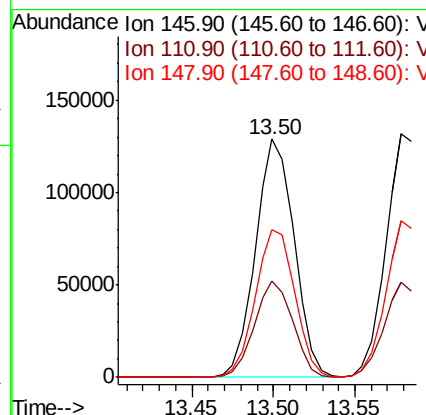
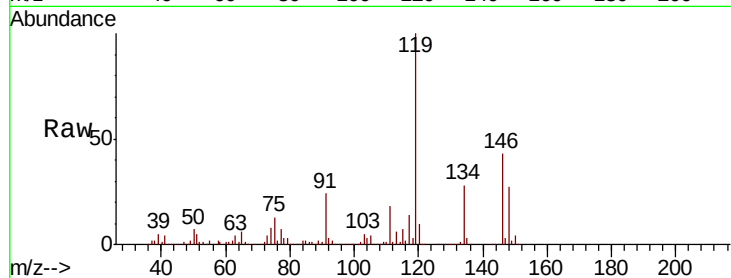




#87
 1,3-Dichlorobenzene
 Concen: 57.805 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

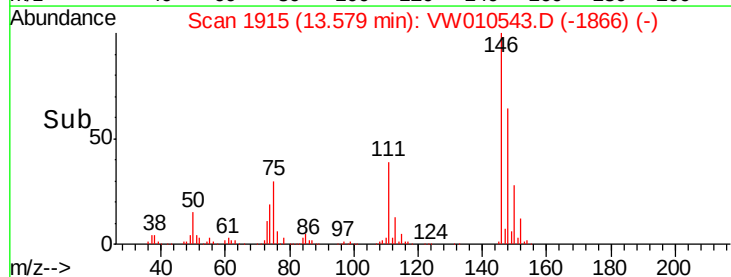
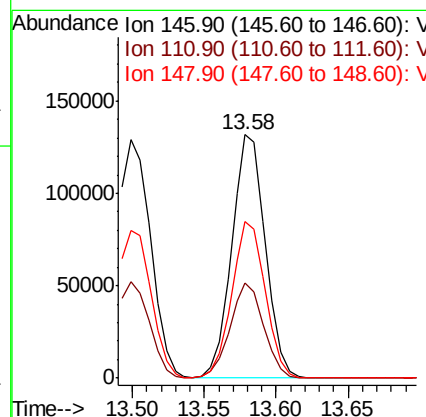
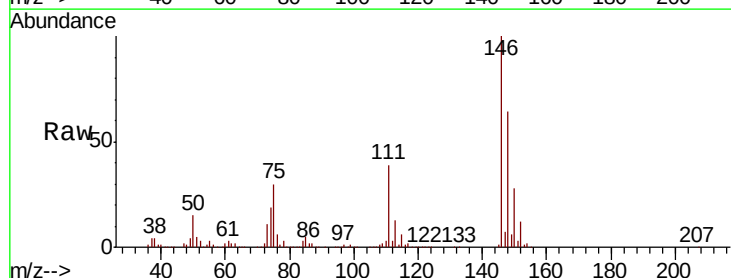
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

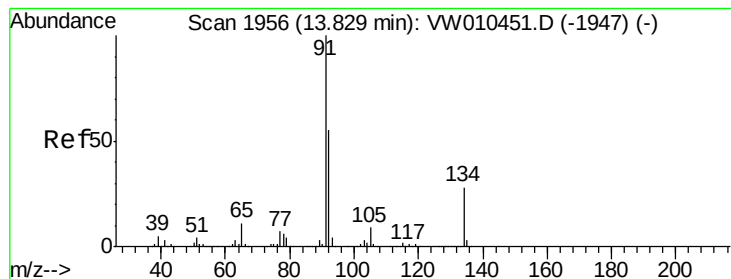
Tgt Ion:146 Resp: 212844
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.3 60.9
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 57.933 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion:146 Resp: 214022
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 64.3 31.6 94.8





#89

n-Butylbenzene

Concen: 57.192 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

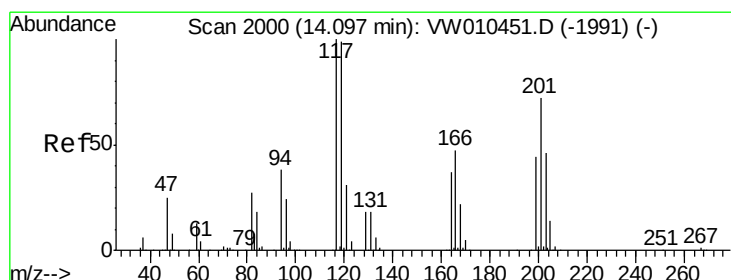
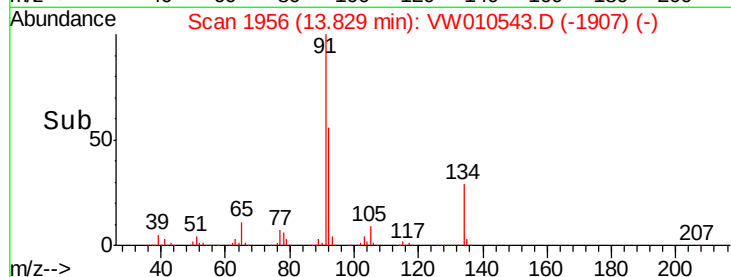
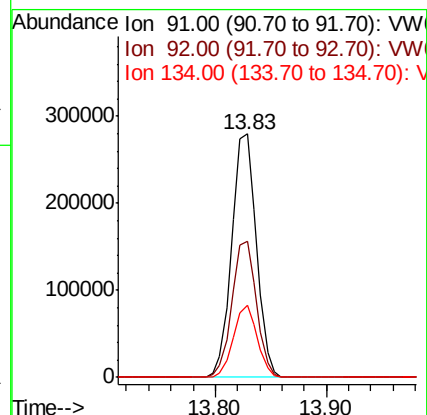
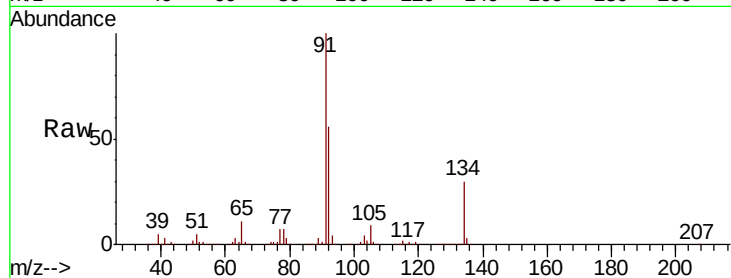
Tgt Ion: 91 Resp: 427528

Ion Ratio Lower Upper

91 100

92 55.5 27.7 83.1

134 28.6 13.9 41.6



#90

Hexachloroethane

Concen: 59.238 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010543.D

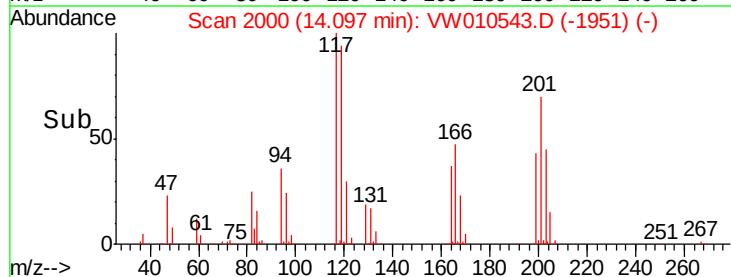
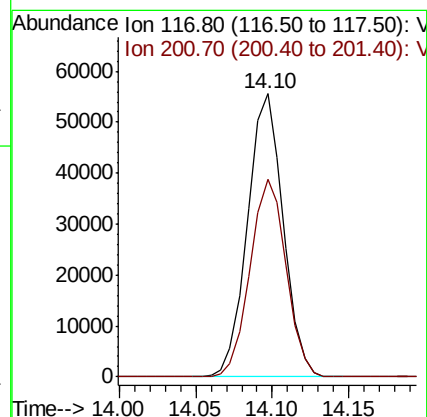
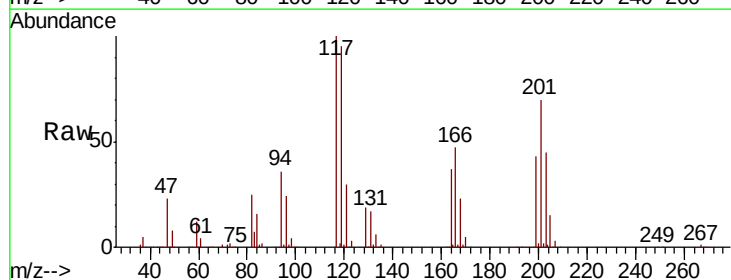
Acq: 24 May 2019 10:49

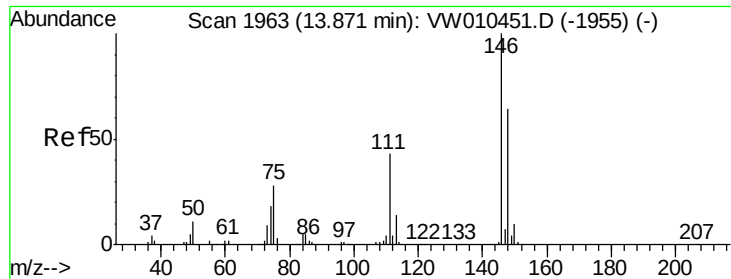
Tgt Ion: 117 Resp: 90112

Ion Ratio Lower Upper

117 100

201 70.8 34.6 103.8

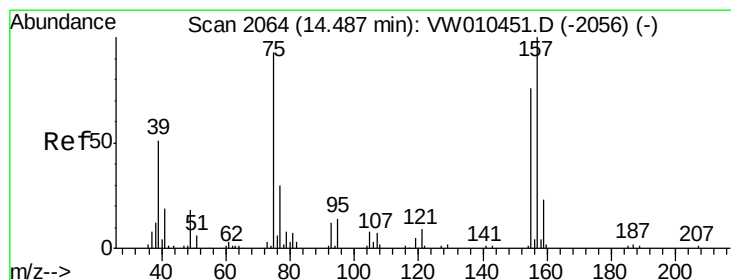
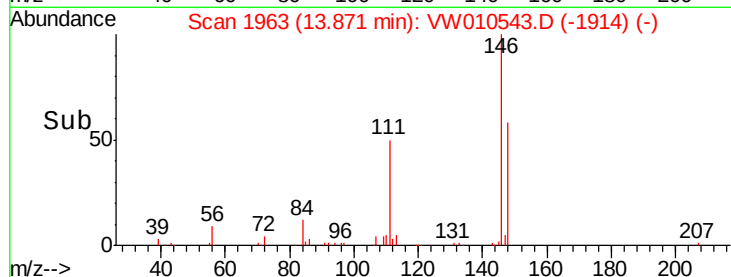
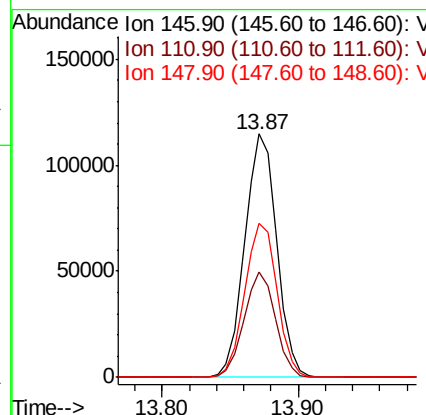
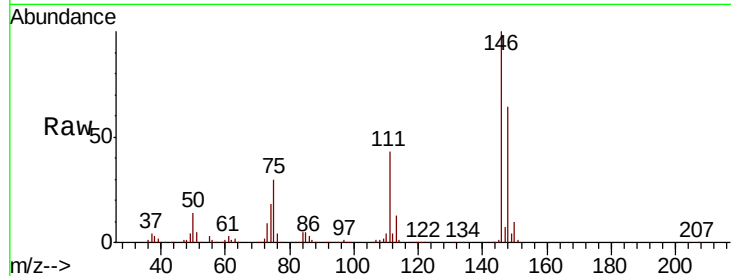




#91
 1,2-Dichlorobenzene
 Concen: 56.139 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

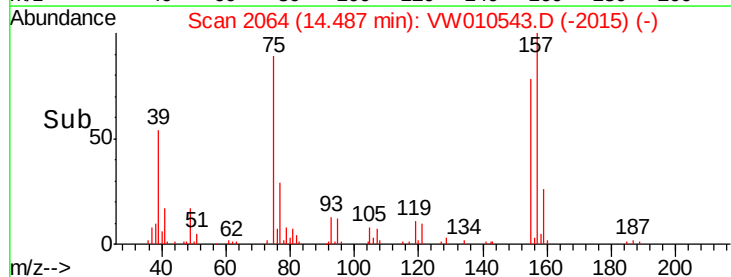
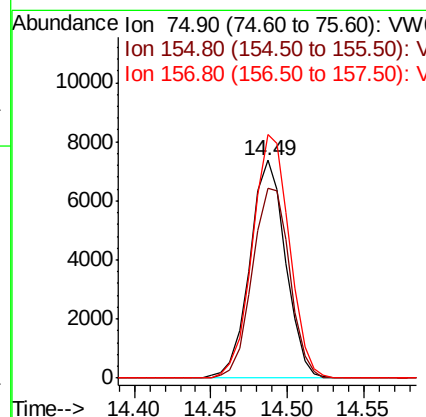
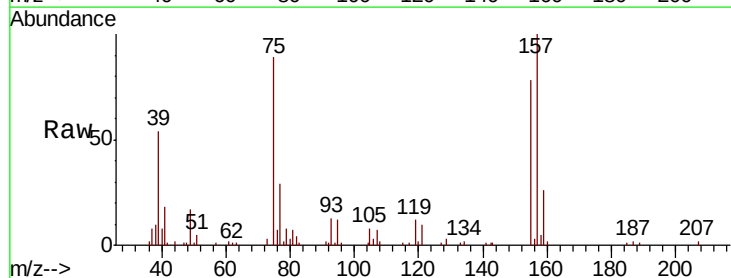
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 ClientSampleId :
 VSTDCCC050

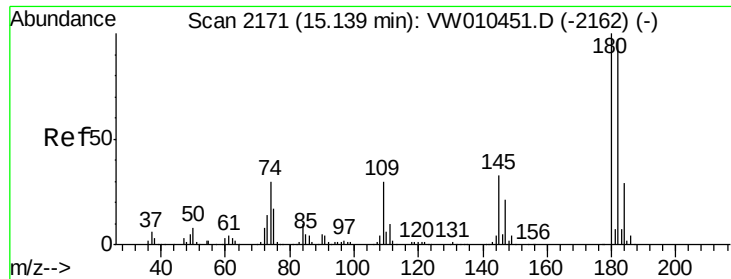
Tgt Ion:146 Resp: 188344
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.3 64.0
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.367 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 75 Resp: 12017
 Ion Ratio Lower Upper
 75 100
 155 91.1 43.0 129.0
 157 115.6 55.7 167.1

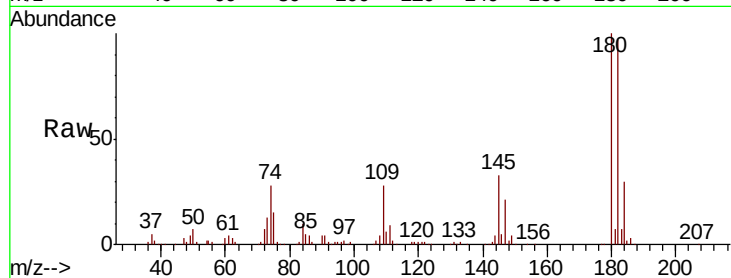




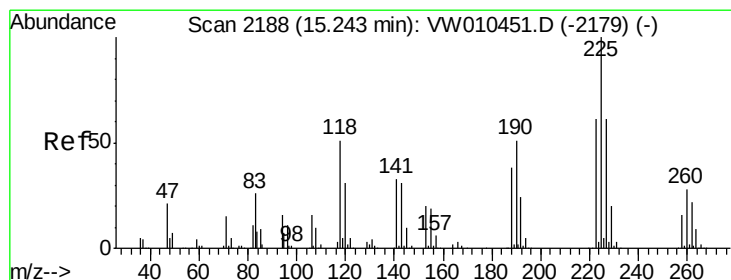
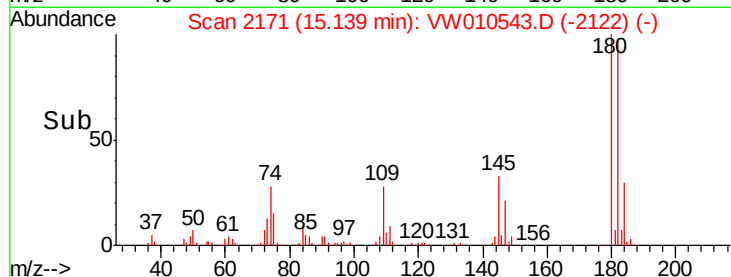
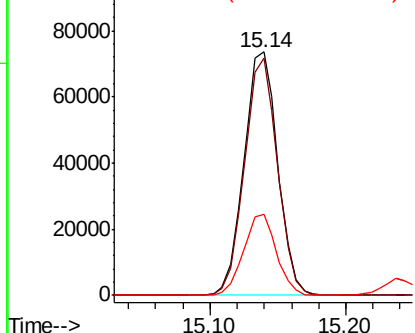
#93
 1,2,4-Trichlorobenzene
 Concen: 55.945 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 127705
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.0 141.2
 145 32.5 16.7 50.0

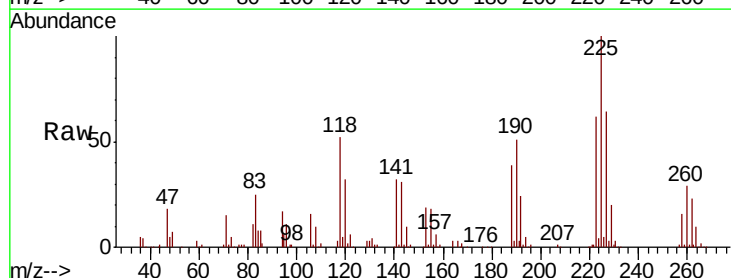


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

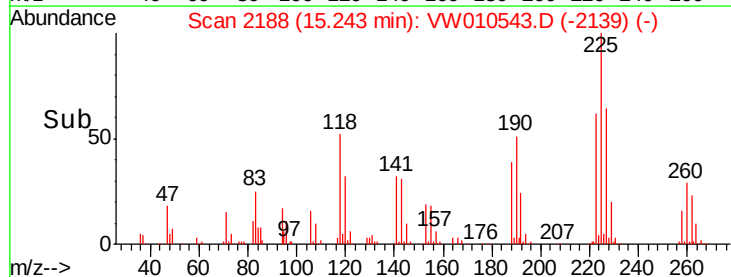
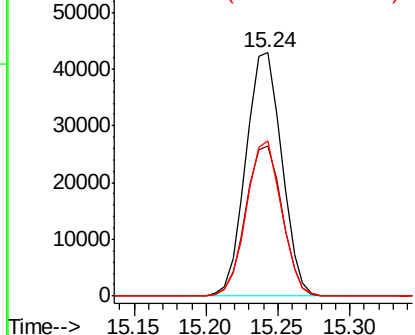


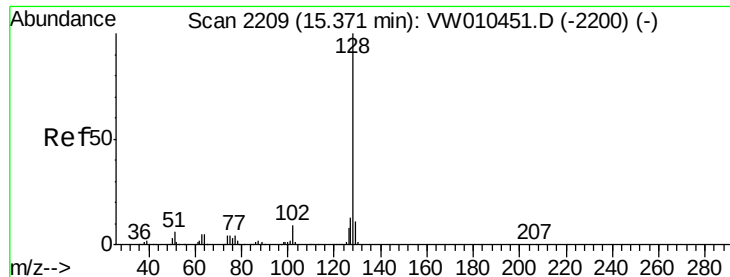
#94
 Hexachlorobutadiene
 Concen: 60.616 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion:225 Resp: 73919
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 62.2 31.1 93.5



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

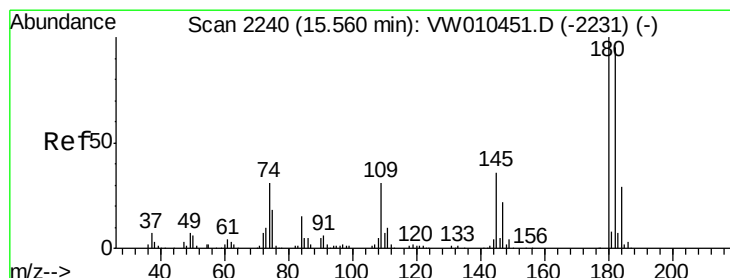
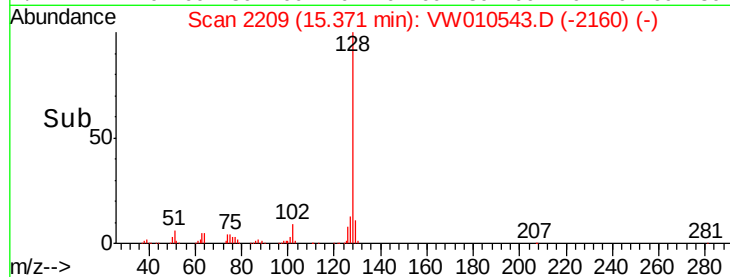
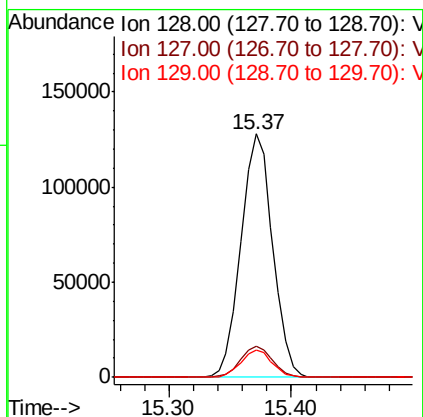
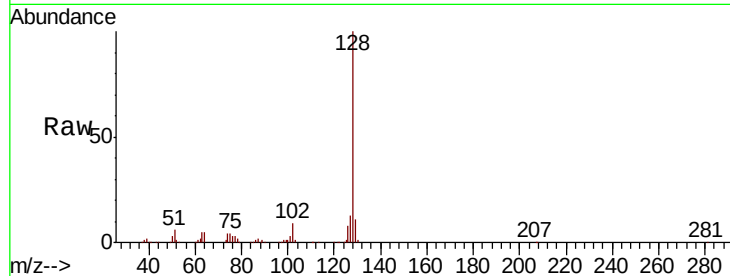




#95
Naphthalene
Concen: 47.932 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 229676
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 54.680 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:180 Resp: 107401
Ion Ratio Lower Upper
180 100
182 93.6 47.1 141.3
145 34.5 17.4 52.3

