

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010451.D
 Acq On : 20 May 2019 16:28
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: May 21 06:29:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	253921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	76804	48.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.46%	
35) Dibromofluoromethane	7.88	113	78760	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
50) Toluene-d8	10.32	98	302764	52.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	116457	50.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	68718	54.288	ug/l	100
3) Chloromethane	2.21	50	81052	47.457	ug/l	100
4) Vinyl Chloride	2.36	62	91511	50.825	ug/l	100
5) Bromomethane	2.75	94	61636	58.544	ug/l	100
6) Chloroethane	2.91	64	60340	53.546	ug/l	100
7) Trichlorofluoromethane	3.25	101	132610	52.937	ug/l	100
8) Diethyl Ether	3.68	74	42321	48.376	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81536	51.464	ug/l	100
10) Methyl Iodide	4.27	142	98955	55.136	ug/l	100
11) Tert butyl alcohol	5.17	59	32059	222.944	ug/l	100
12) 1,1-Dichloroethene	4.04	96	78200	52.061	ug/l	100
13) Acrolein	3.89	56	17269	160.425	ug/l	100
14) Allyl chloride	4.67	41	114016	49.571	ug/l	100
15) Acrylonitrile	5.37	53	86811	234.871	ug/l	100
16) Acetone	4.12	43	79830	272.073	ug/l	100
17) Carbon Disulfide	4.37	76	240242	55.148	ug/l	100
18) Methyl Acetate	4.67	43	34681	39.623	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	200202	47.605	ug/l	100
20) Methylene Chloride	4.92	84	94704	53.413	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	89840	51.444	ug/l	100
22) Diisopropyl ether	6.31	45	233479	47.975	ug/l	100
23) Vinyl Acetate	6.26	43	705071	234.327	ug/l	100
24) 1,1-Dichloroethane	6.21	63	141081	49.625	ug/l	100
25) 2-Butanone	7.17	43	108943	227.852	ug/l	100
26) 2,2-Dichloropropane	7.17	77	132039	50.992	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	98211	50.471	ug/l	100
28) Bromochloromethane	7.51	49	50649	48.430	ug/l	100
29) Tetrahydrofuran	7.53	42	72844	225.158	ug/l	100
30) Chloroform	7.68	83	151594	50.651	ug/l	100
31) Cyclohexane	7.95	56	139687	48.648	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	143395	50.709	ug/l	100
36) 1,1-Dichloropropene	8.08	75	119521	52.266	ug/l	100
37) Ethyl Acetate	7.25	43	50503	47.246	ug/l	100
38) Carbon Tetrachloride	8.07	117	130483	52.867	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	162496	53.045	ug/l	100
40) Benzene	8.32	78	336743	51.752	ug/l	100
41) Methacrylonitrile	7.48	41	28409	45.614	ug/l	100
42) 1,2-Dichloroethane	8.40	62	95193	49.635	ug/l	100
43) Isopropyl Acetate	8.43	43	100092	46.251	ug/l	100
44) Trichloroethene	9.09	130	99784	53.329	ug/l	100
45) 1,2-Dichloropropane	9.37	63	79846	50.559	ug/l	100
46) Dibromomethane	9.46	93	46592	50.137	ug/l	100
47) Bromodichloromethane	9.65	83	118020	50.872	ug/l	100
48) Methyl methacrylate	9.43	41	46067	46.053	ug/l	100
49) 1,4-Dioxane	9.45	88	14649	1064.950	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	254260	229.367	ug/l	100
52) Toluene	10.39	92	223675	51.764	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	119044	49.948	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	136129	50.230	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	66905	49.912	ug/l	100
56) Ethyl methacrylate	10.65	69	92128	49.217	ug/l	100
57) 1,3-Dichloropropane	10.93	76	112289	49.906	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	195889	224.713	ug/l	100
59) 2-Hexanone	10.97	43	181039	233.806	ug/l	100
60) Dibromochloromethane	11.13	129	85042	50.993	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68240	50.129	ug/l	100
64) Tetrachloroethene	10.86	164	80329	52.837	ug/l	100
65) Chlorobenzene	11.66	112	242755	51.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	88597	51.412	ug/l	100
67) Ethyl Benzene	11.73	91	431294	52.236	ug/l	100
68) m/p-Xylenes	11.84	106	338881	104.806	ug/l	100
69) o-Xylene	12.17	106	160431	52.154	ug/l	100
70) Styrene	12.18	104	273556	51.730	ug/l	100
71) Bromoform	12.35	173	48433	50.574	ug/l	# 100
73) Isopropylbenzene	12.47	105	438927	50.362	ug/l	100
74) N-amyl acetate	12.27	43	98348	45.067	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	77203	45.689	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	100340	85.171	ug/l	26
77) Bromobenzene	12.75	156	99236	50.535	ug/l	100
78) n-propylbenzene	12.80	91	506171	50.197	ug/l	100
79) 2-Chlorotoluene	12.90	91	292909	49.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	372450	50.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26689	44.710	ug/l	100
82) 4-Chlorotoluene	12.99	91	304463	49.641	ug/l	100
83) tert-Butylbenzene	13.21	119	323105	51.485	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	371183	50.880	ug/l	100
85) sec-Butylbenzene	13.38	105	452505	51.262	ug/l	100
86) p-Isopropyltoluene	13.50	119	414261	51.825	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	194423	51.367	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	197573	52.303	ug/l	100
89) n-Butylbenzene	13.83	91	395174	51.885	ug/l	100
90) Hexachloroethane	14.10	117	81121	50.667	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	176580	51.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14564	46.215	ug/l	100

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Response via : Initial Calibration

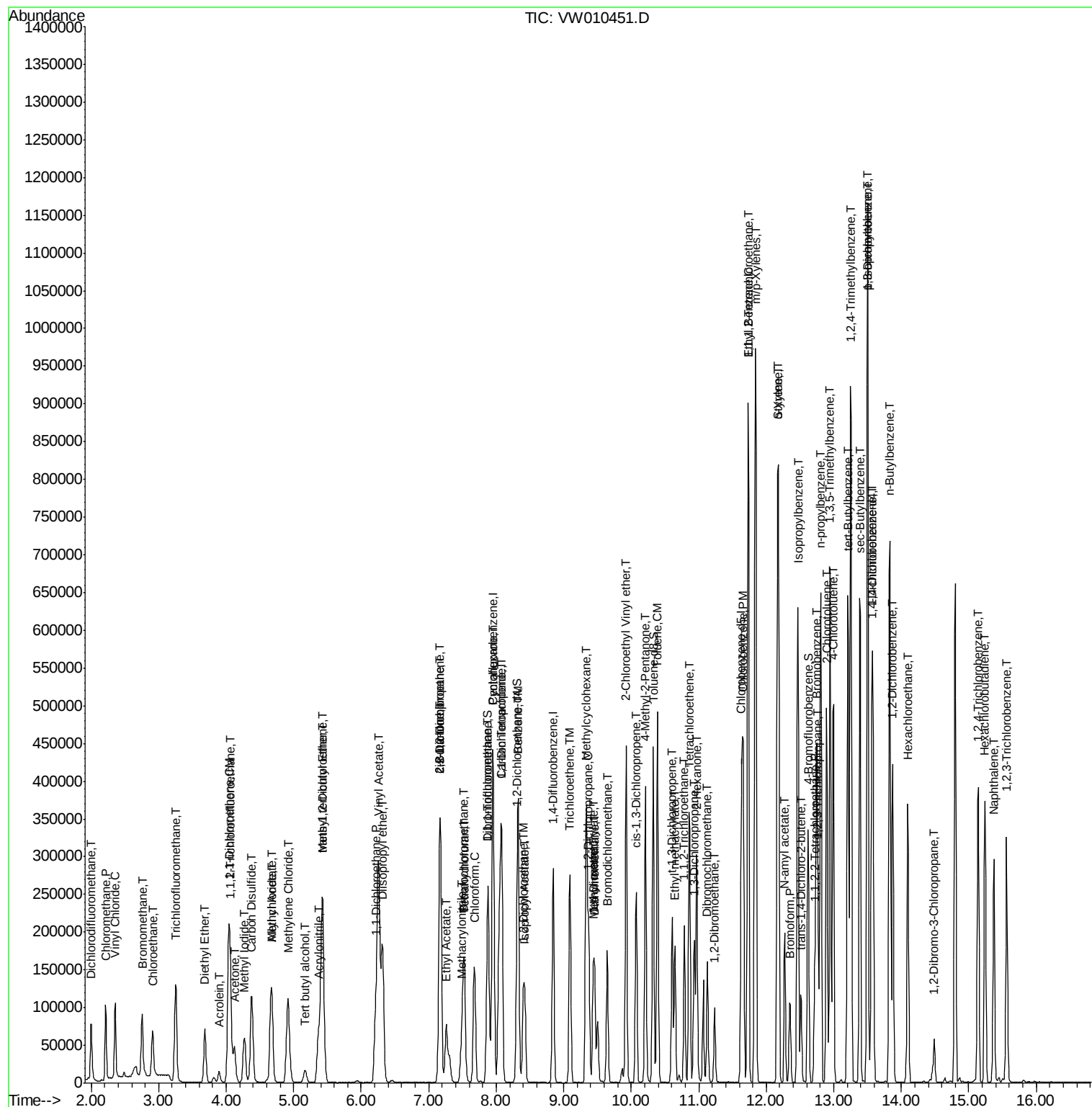
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	125880	55.595	ug/l	100
94) Hexachlorobutadiene	15.24	225	68040	56.012	ug/l	100
95) Naphthalene	15.37	128	261429	51.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108598	54.571	ug/l	100

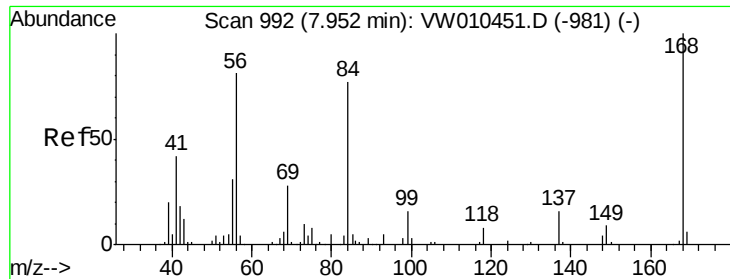
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

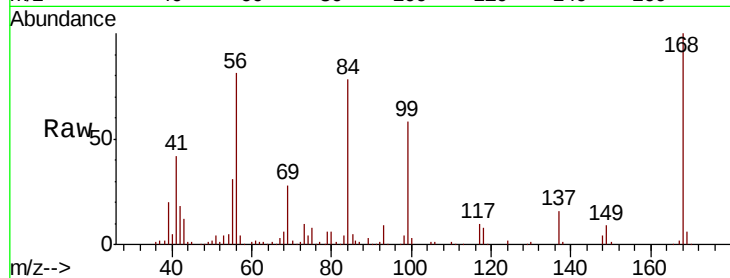
VSTDICCC050

Tot Ion:168 Resp: 147788

Ion Ratio Lower Upper

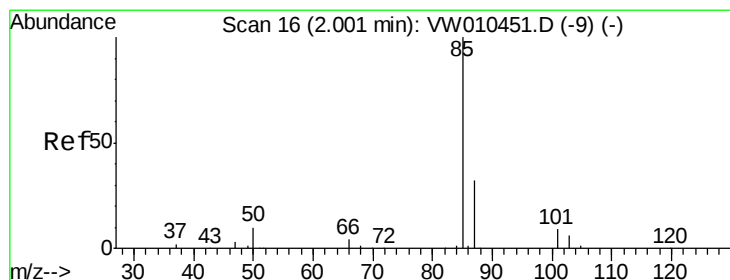
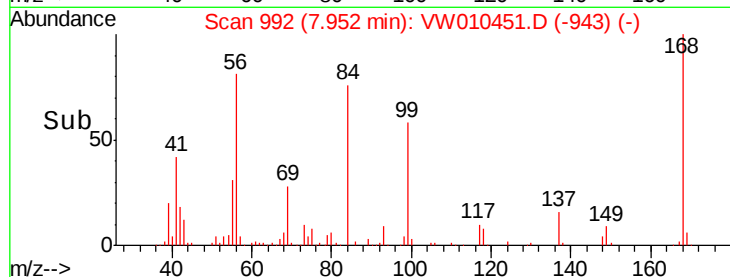
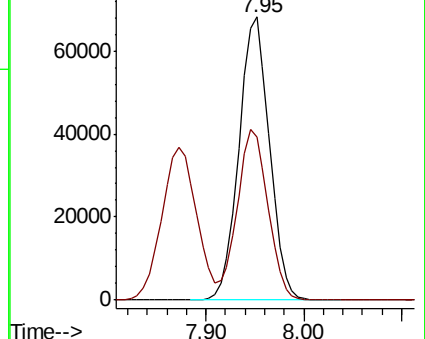
168 100

99 57.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 54.288 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010451.D

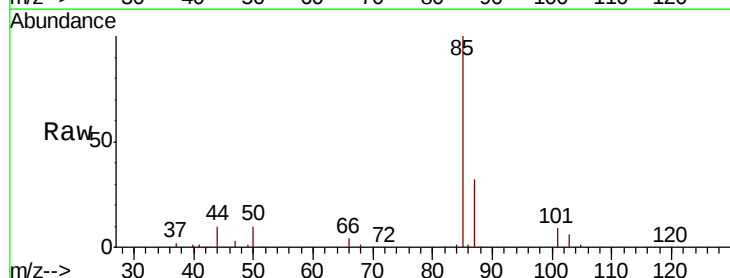
Acq: 20 May 2019 16:28

Tgt Ion: 85 Resp: 68718

Ion Ratio Lower Upper

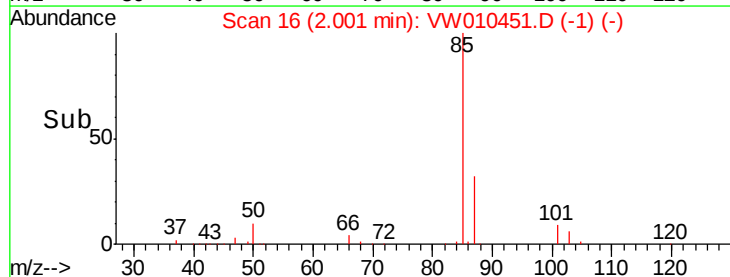
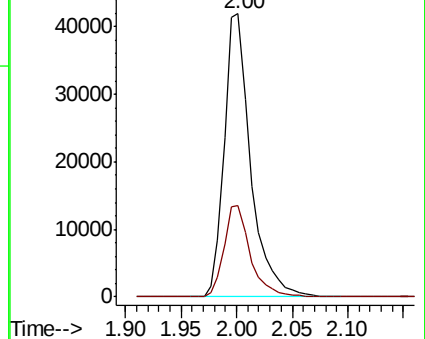
85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.457 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

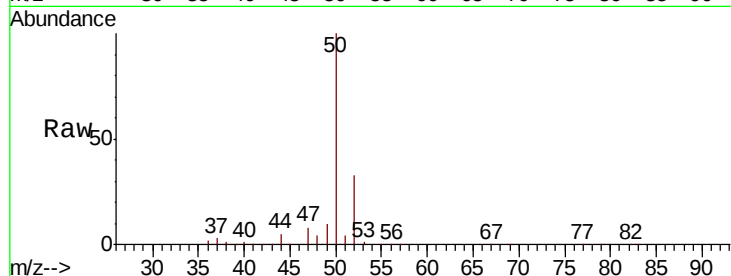
VSTDICCC050

Tot Ion: 50 Resp: 81052

Ion Ratio Lower Upper

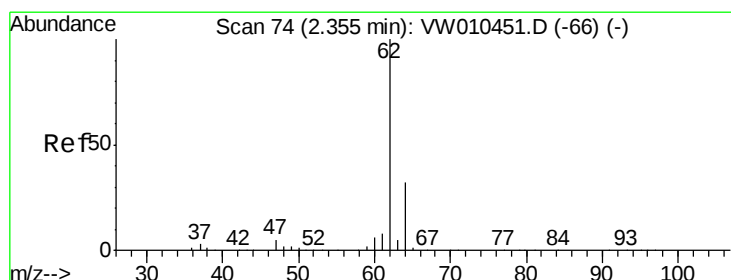
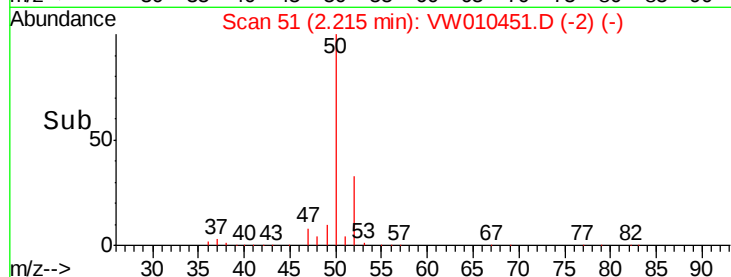
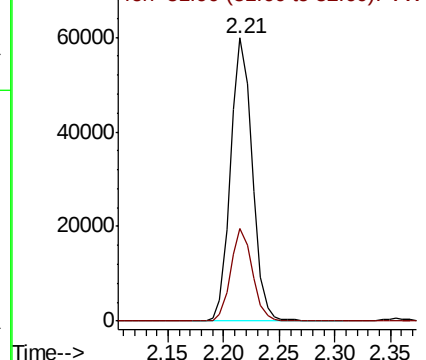
50 100

52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010451.D

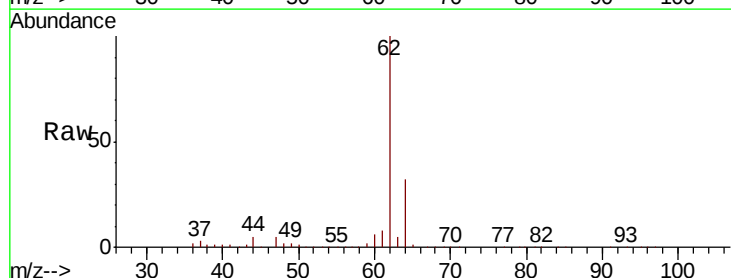
Acq: 20 May 2019 16:28

Tgt Ion: 62 Resp: 91511

Ion Ratio Lower Upper

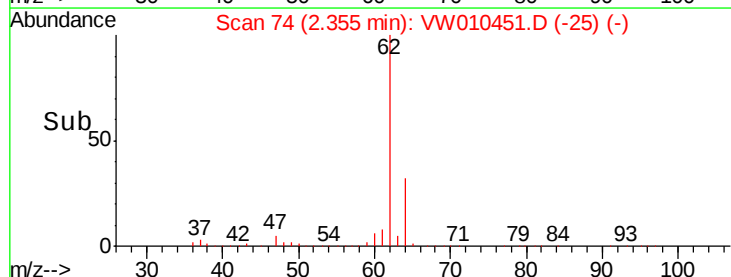
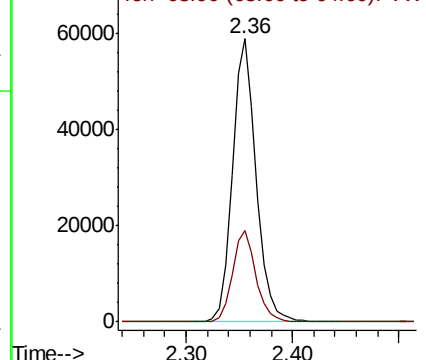
62 100

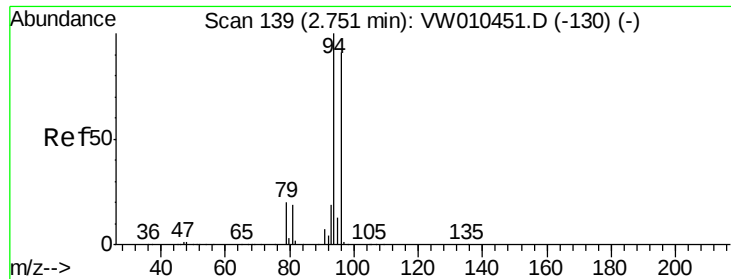
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 58.544 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

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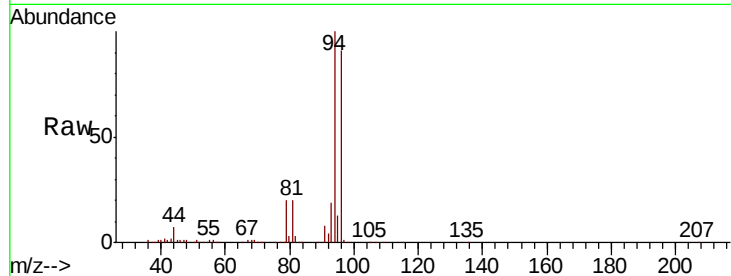
VSTDICCC050

Tot Ion: 94 Resp: 61636

Ion Ratio Lower Upper

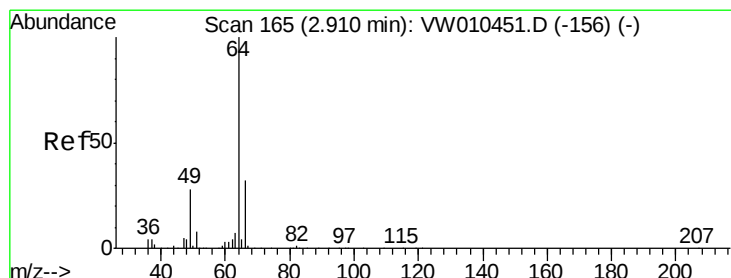
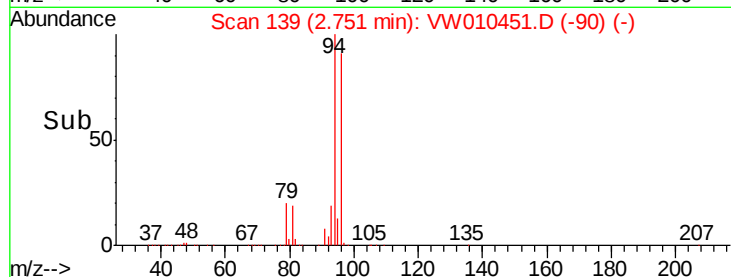
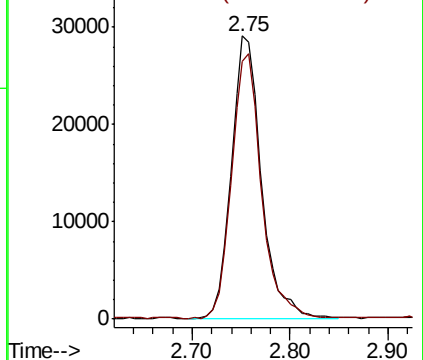
94 100

96 91.1 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: 53.546 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010451.D

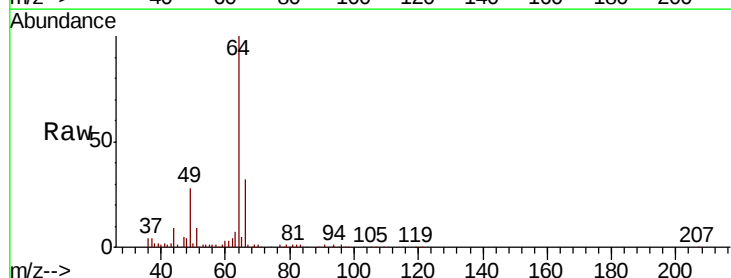
Acq: 20 May 2019 16:28

Tgt Ion: 64 Resp: 60340

Ion Ratio Lower Upper

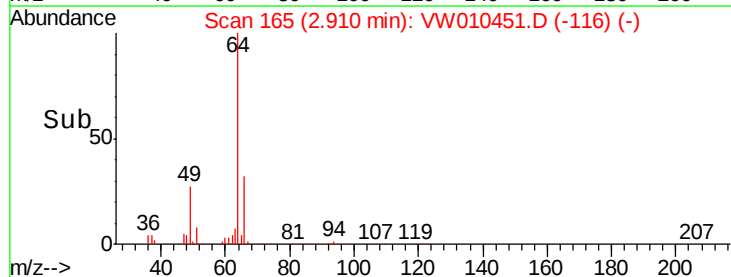
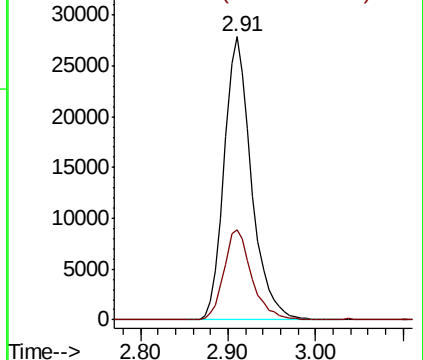
64 100

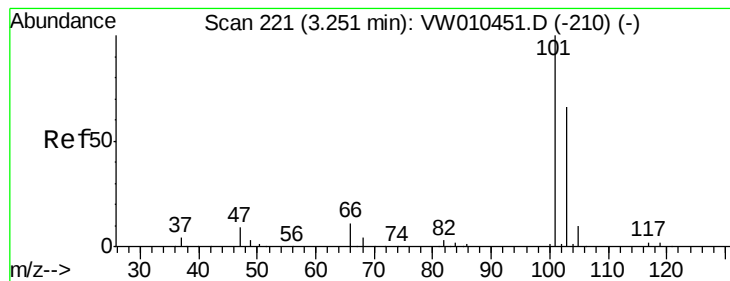
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



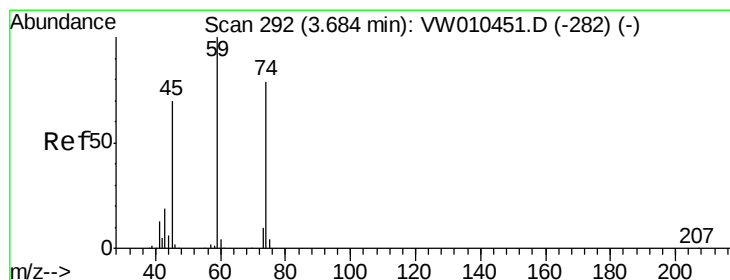
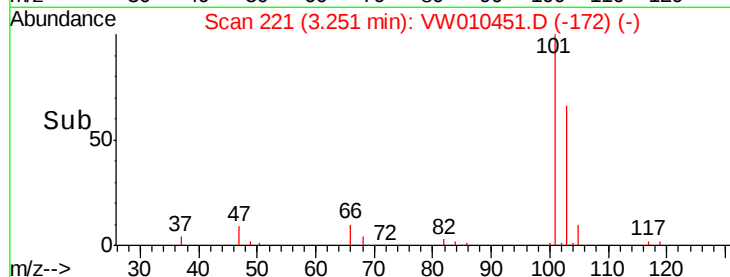
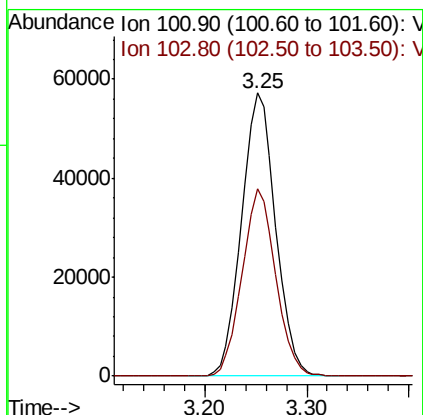
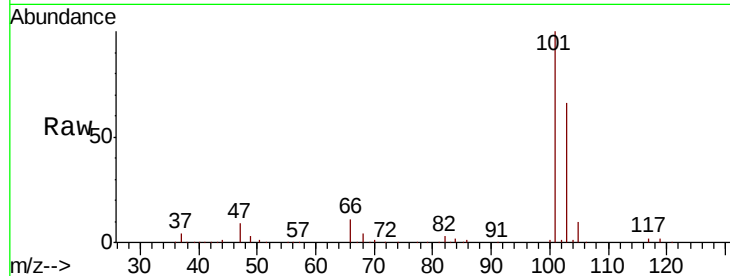


#7

Trichlorofluoromethane
 Concen: 52.937 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010451.D
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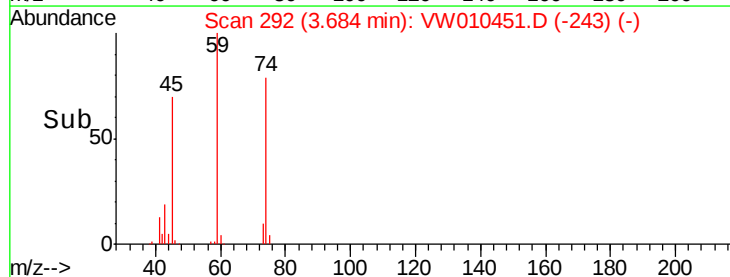
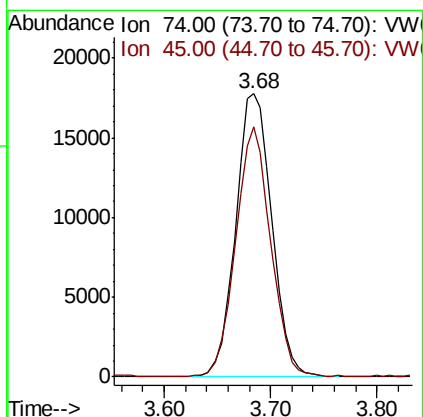
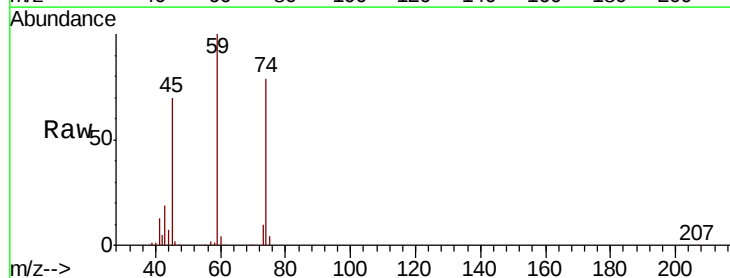
Tot Ion:101 Resp: 132610
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

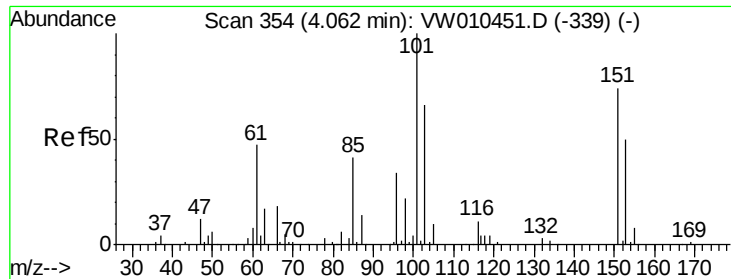


#8

Diethyl Ether
 Concen: 48.376 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 74 Resp: 42321
 Ion Ratio Lower Upper
 74 100
 45 85.7 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.464 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010451.D

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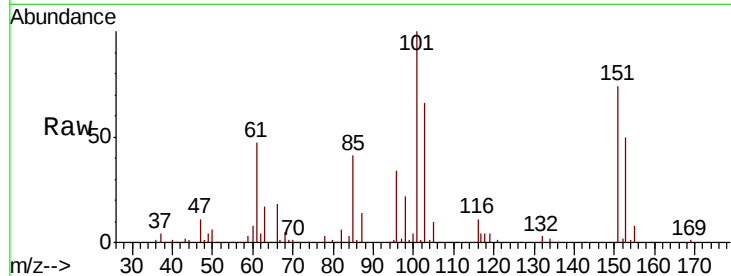
Tot Ion:101 Resp: 81536

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

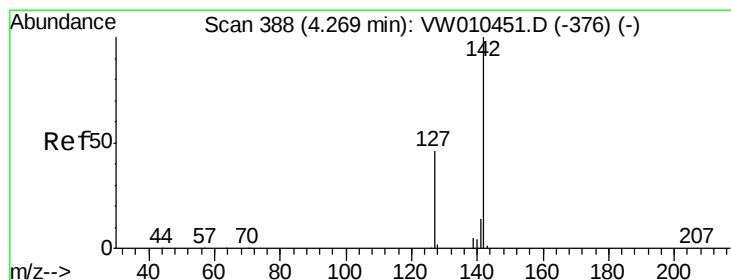
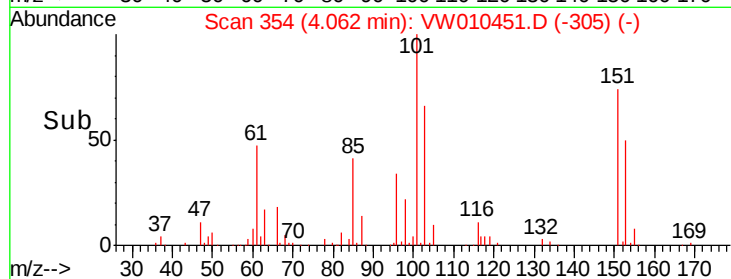
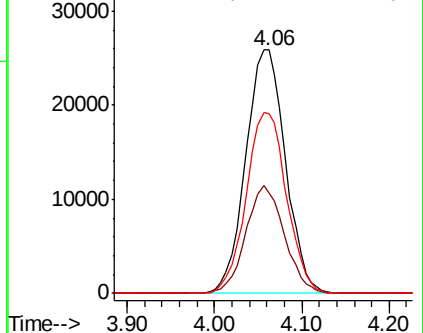
151 75.4 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.136 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

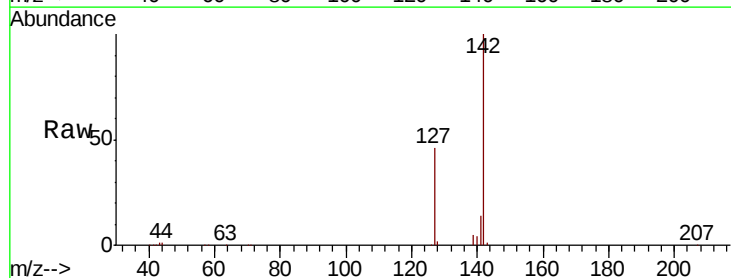
Tgt Ion:142 Resp: 98955

Ion Ratio Lower Upper

142 100

127 45.1 36.1 54.1

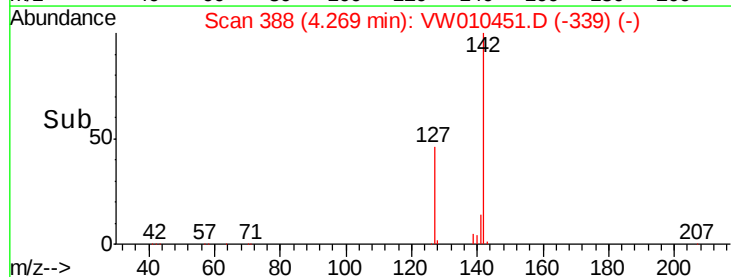
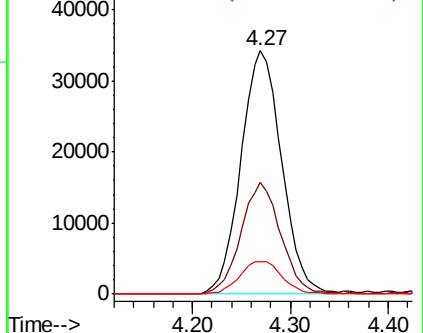
141 14.1 11.3 16.9

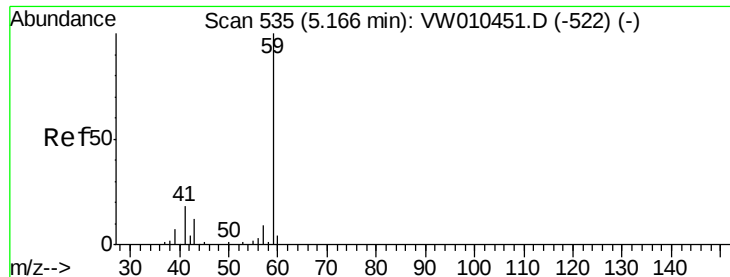


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



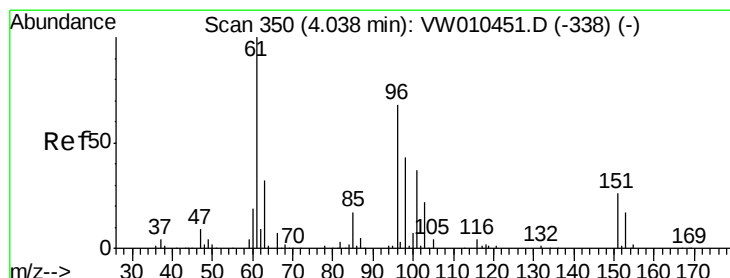
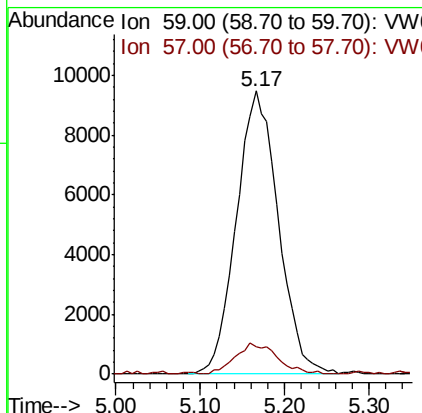
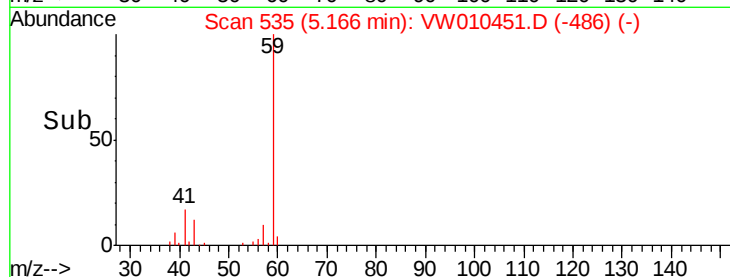
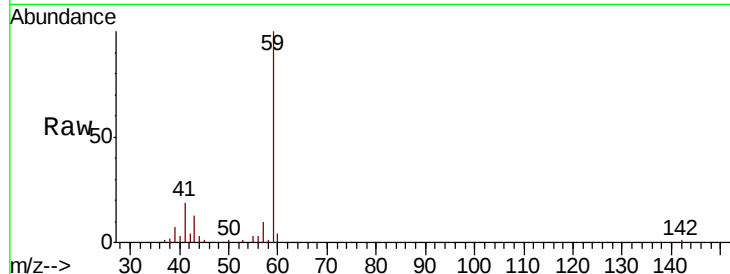


#11

Tert butyl alcohol
 Concen: 222.944 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

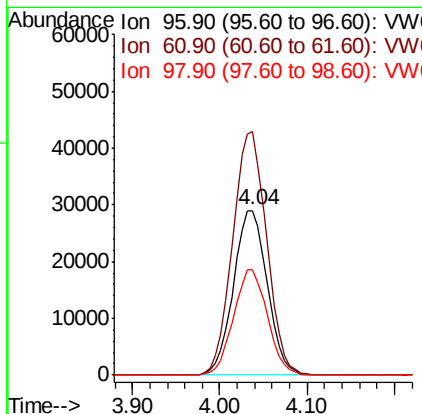
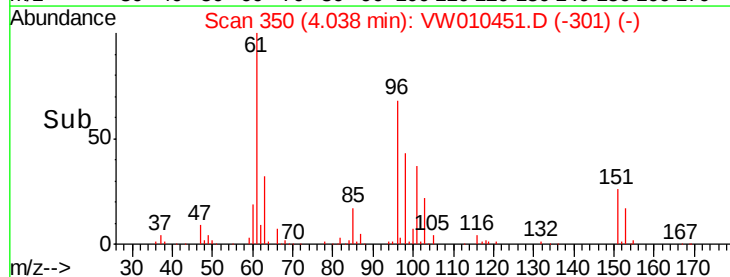
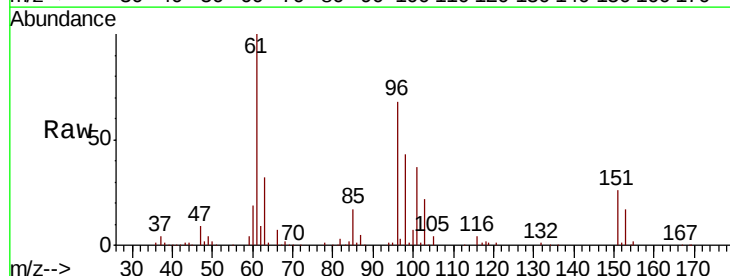
Tot Ion: 59 Resp: 32059
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.8 13.2

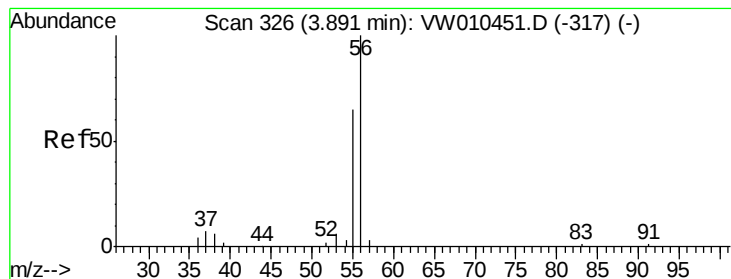


#12

1,1-Dichloroethene
 Concen: 52.061 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 96 Resp: 78200
 Ion Ratio Lower Upper
 96 100
 61 147.9 118.3 177.5
 98 63.8 51.0 76.6





#13

Acrolein

Concen: 160.425 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

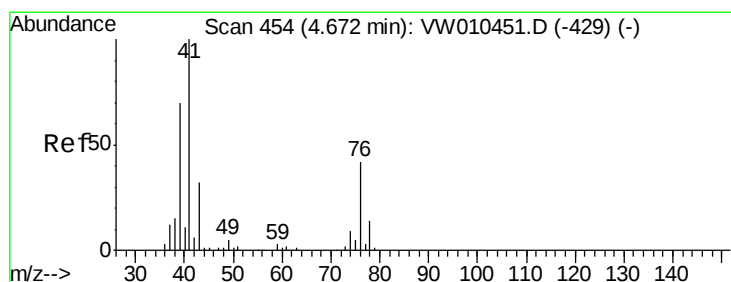
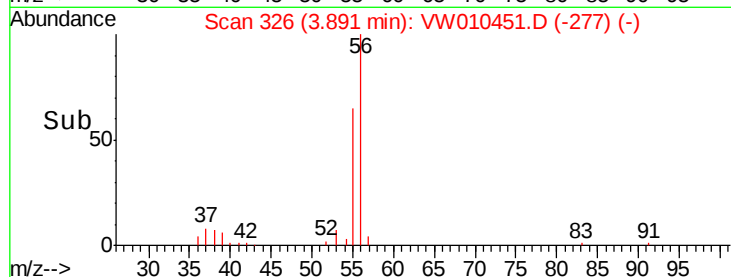
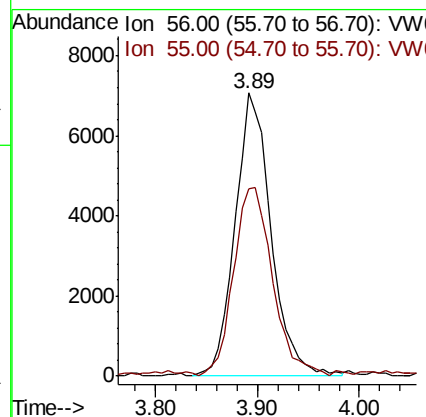
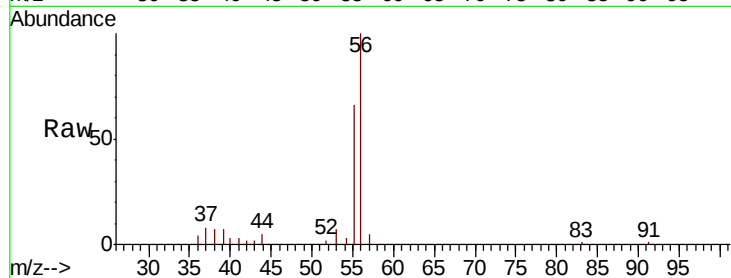
VSTDICCC050

Tot Ion: 56 Resp: 17269

Ion Ratio Lower Upper

56 100

55 72.4 57.9 86.9



#14

Allyl chloride

Concen: 49.571 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

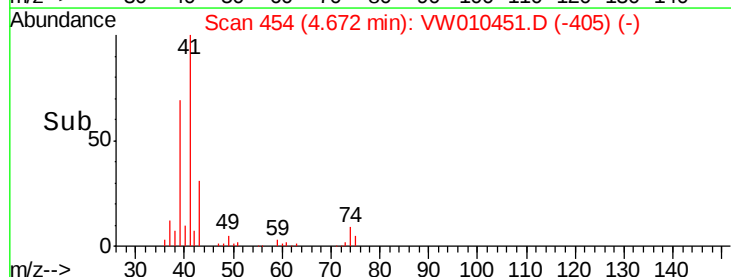
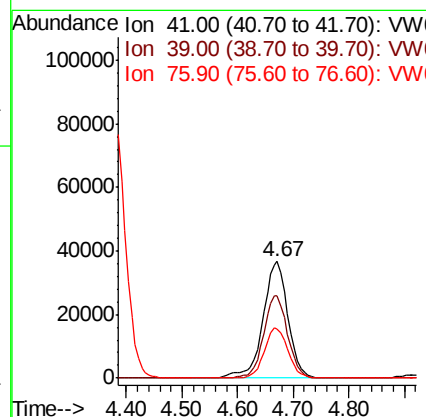
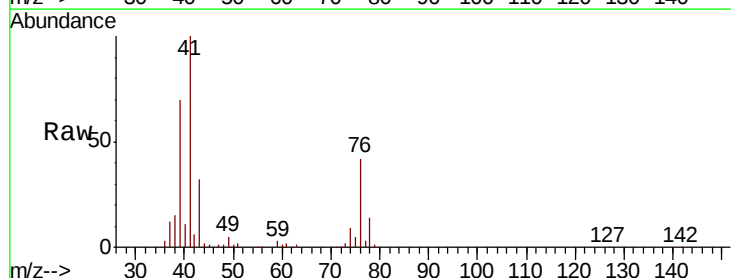
Tgt Ion: 41 Resp: 114016

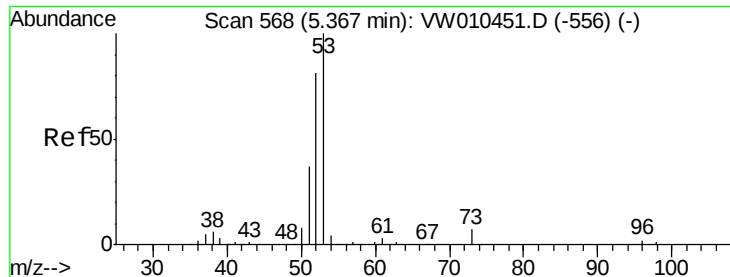
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 234.871 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

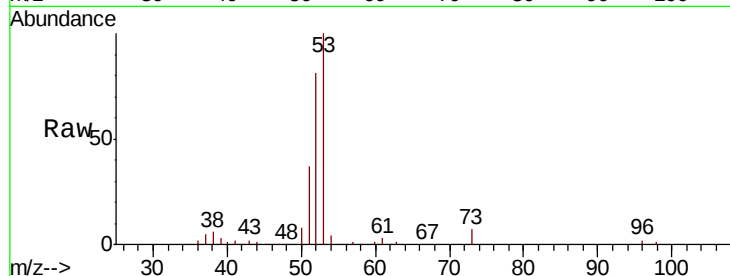
Tot Ion: 53 Resp: 86811

Ion Ratio Lower Upper

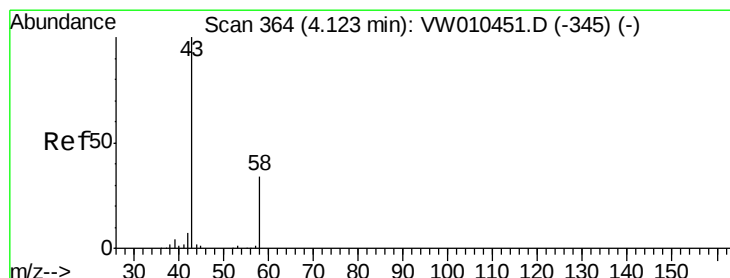
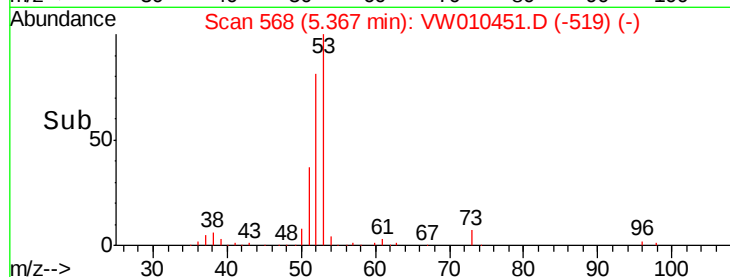
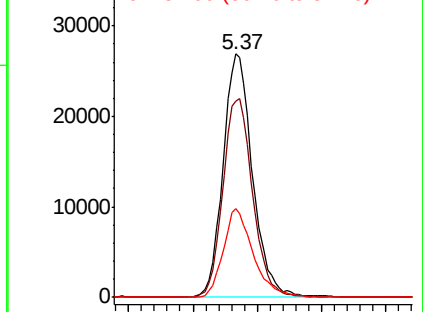
53 100

52 82.0 65.6 98.4

51 36.9 29.5 44.3



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



#16

Acetone

Concen: 272.073 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010451.D

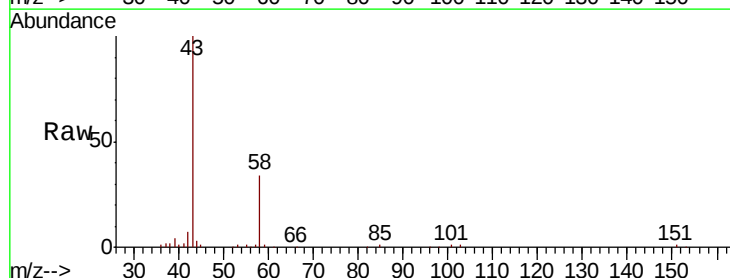
Acq: 20 May 2019 16:28

Tgt Ion: 43 Resp: 79830

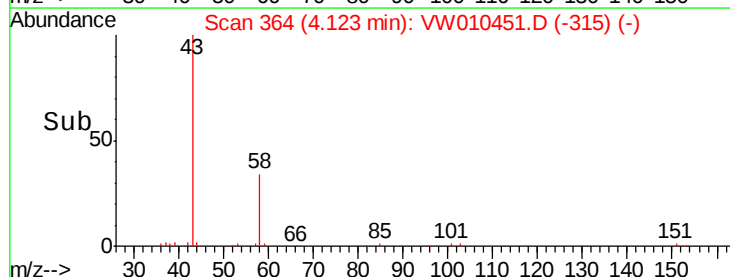
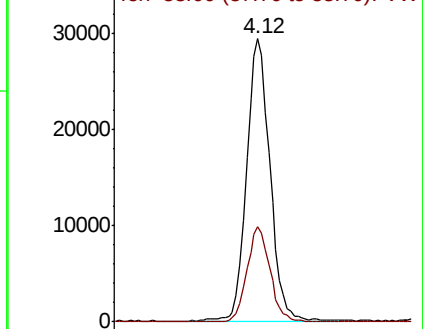
Ion Ratio Lower Upper

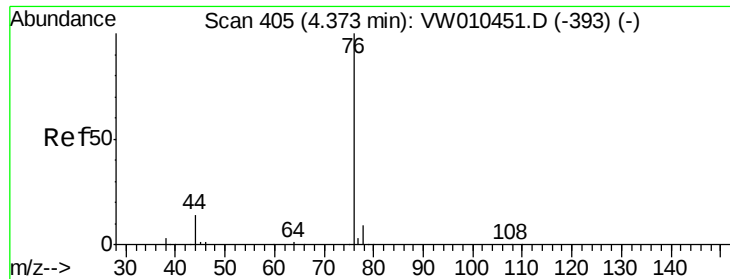
43 100

58 33.7 27.0 40.4



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

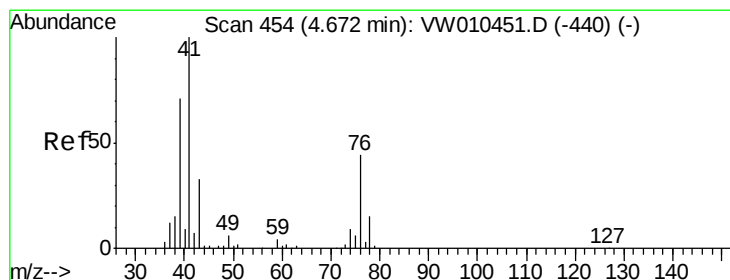
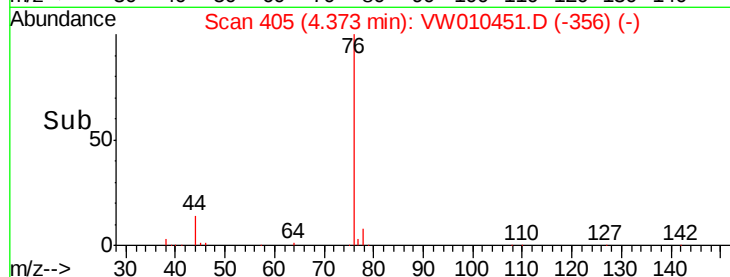
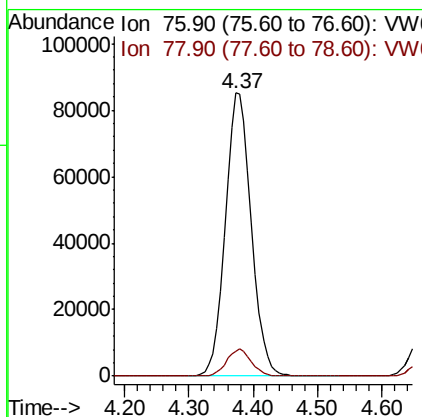
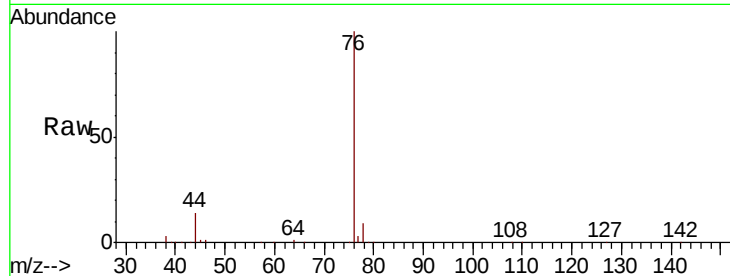




#17
Carbon Disulfide
Concen: 55.148 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

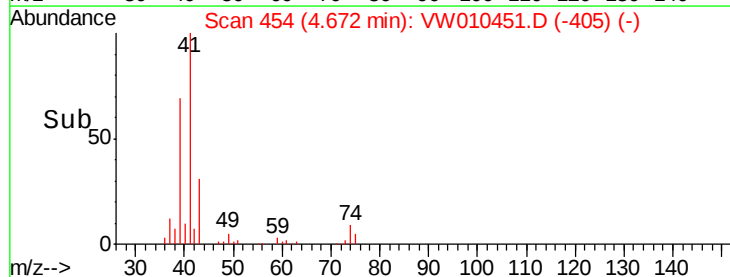
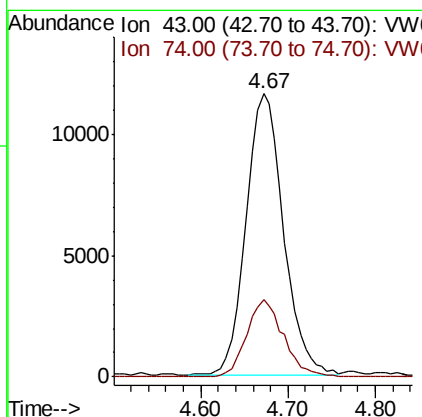
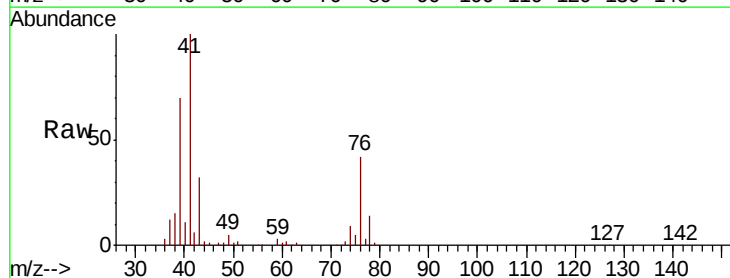
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

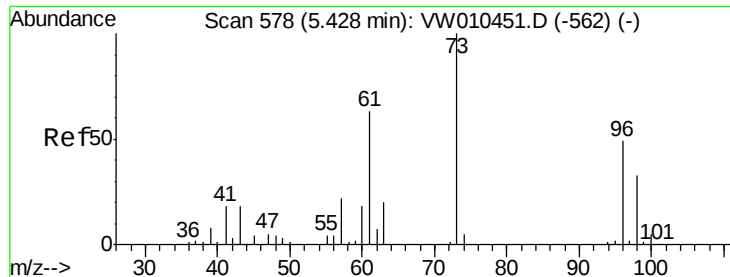
Tot Ion: 76 Resp: 240242
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 39.623 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 43 Resp: 34681
Ion Ratio Lower Upper
43 100
74 27.0 21.6 32.4

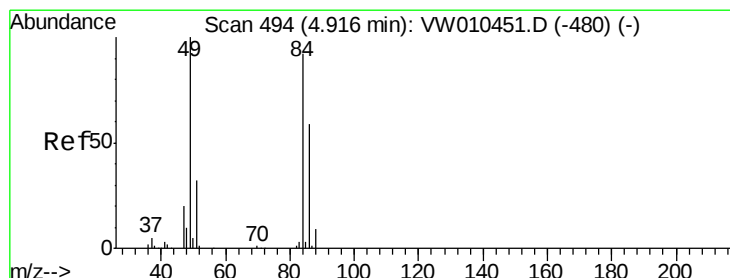
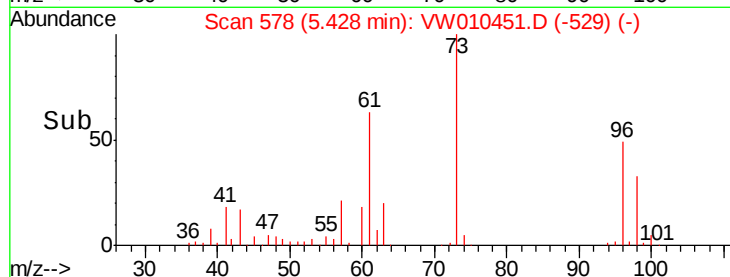
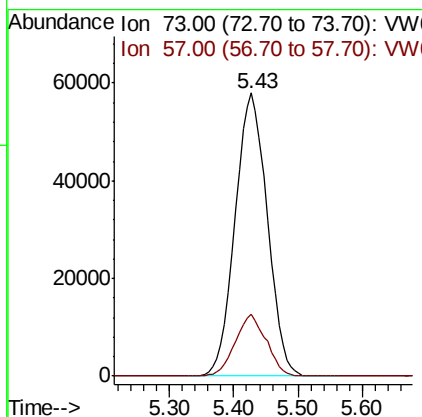
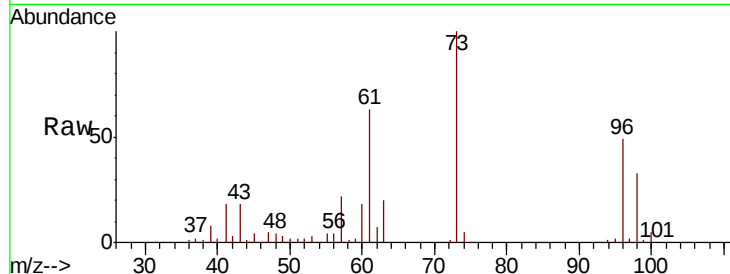




#19
Methvl tert-butvl Ether
Concen: 47.605 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

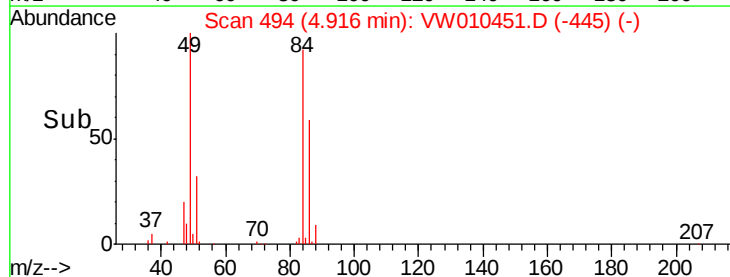
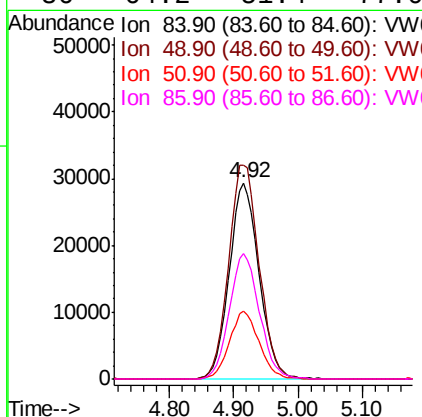
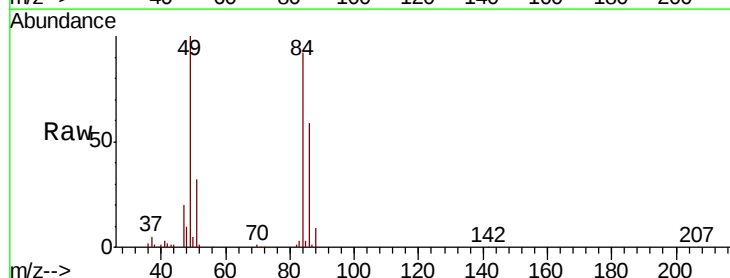
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

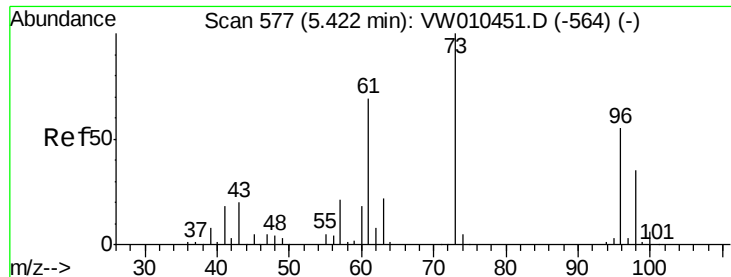
Tot Ion: 73 Resp: 200202
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0



#20
Methylene Chloride
Concen: 53.413 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 84 Resp: 94704
Ion Ratio Lower Upper
84 100
49 109.0 87.2 130.8
51 34.6 27.7 41.5
86 64.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 51.444 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

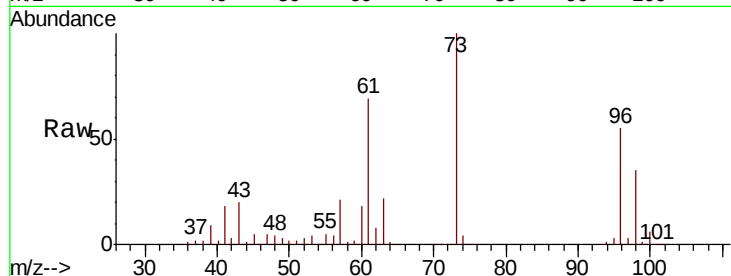
Tot Ion: 96 Resp: 89840

Ion Ratio Lower Upper

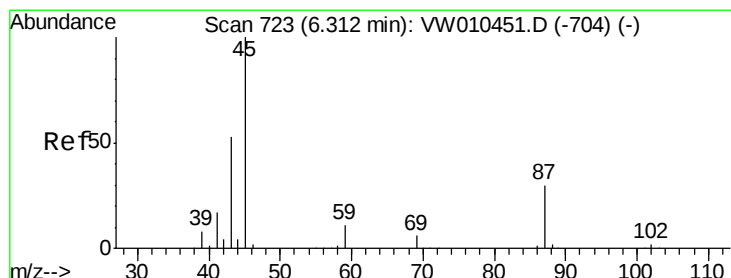
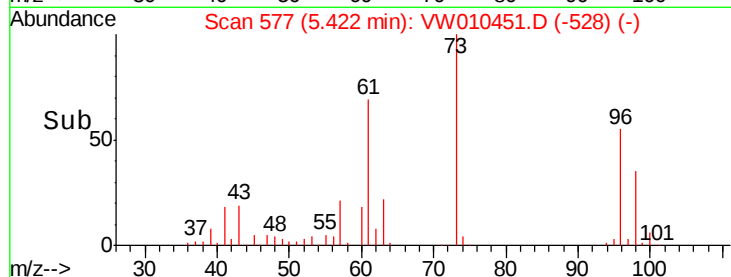
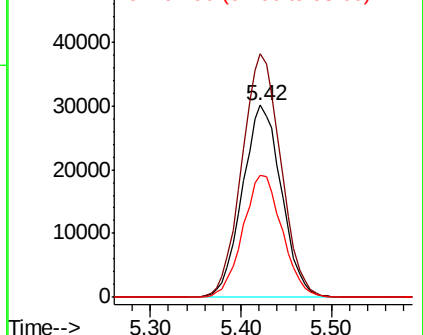
96 100

61 126.7 101.4 152.0

98 63.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 47.975 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Tgt Ion: 45 Resp: 233479

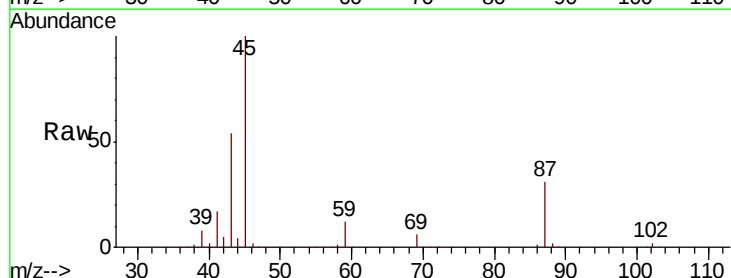
Ion Ratio Lower Upper

45 100

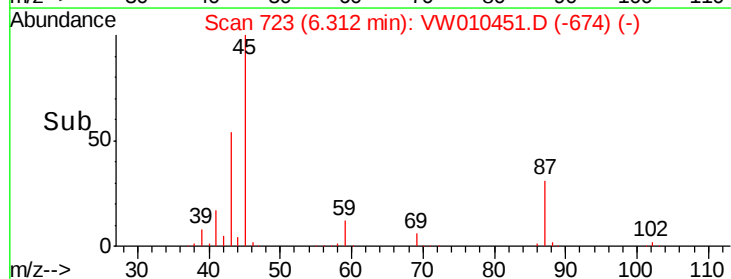
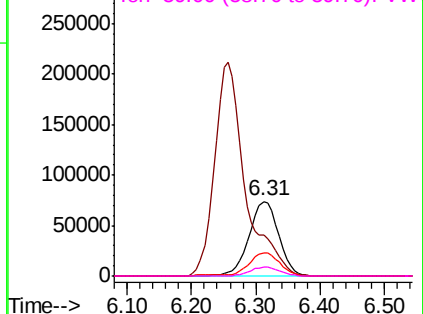
43 53.6 42.9 64.3

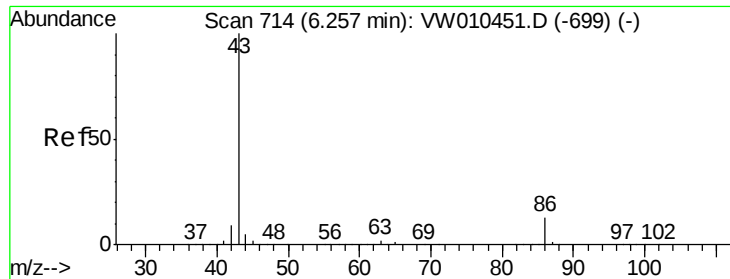
87 30.7 24.6 36.8

59 11.7 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: 234.327 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

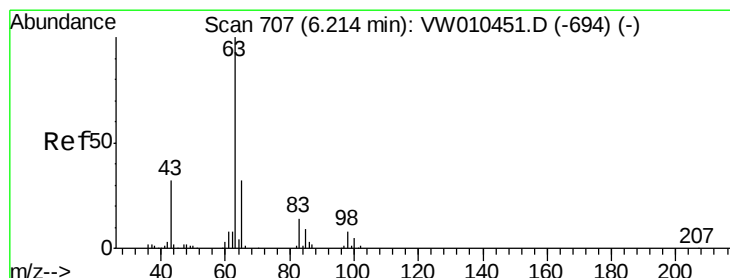
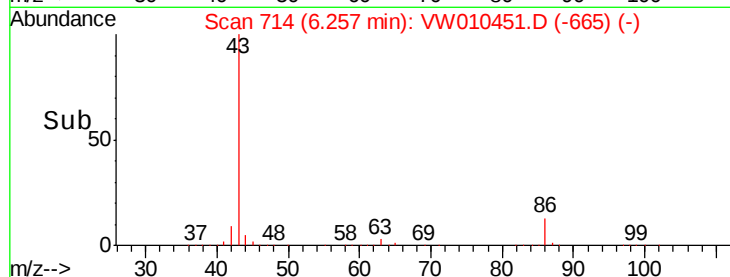
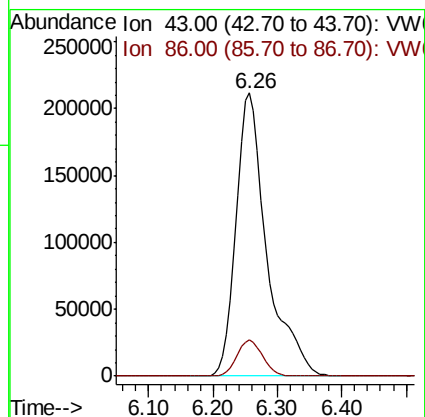
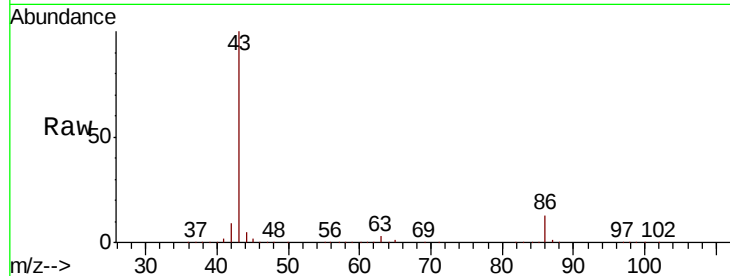
VSTDICCC050

Tot Ion: 43 Resp: 705071

Ion Ratio Lower Upper

43 100

86 12.9 10.3 15.5



#24

1,1-Dichloroethane

Concen: 49.625 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

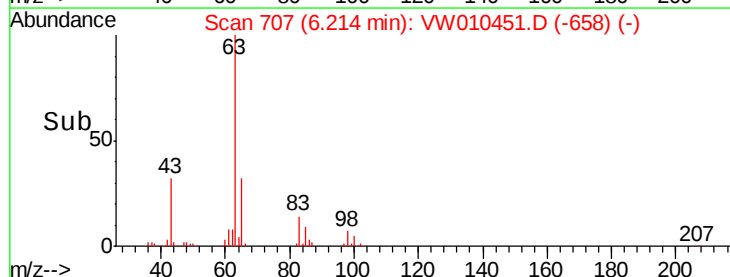
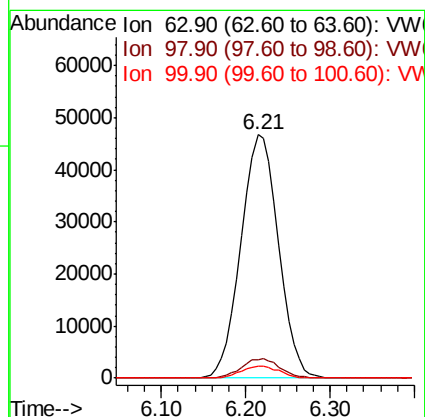
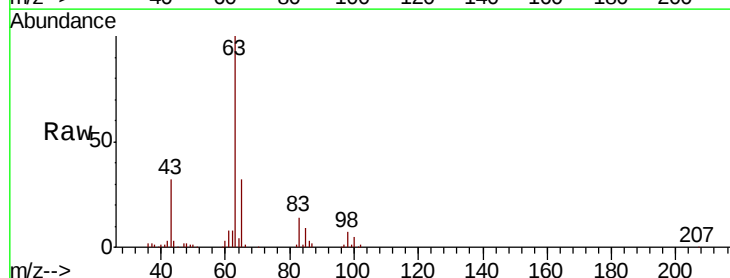
Tgt Ion: 63 Resp: 141081

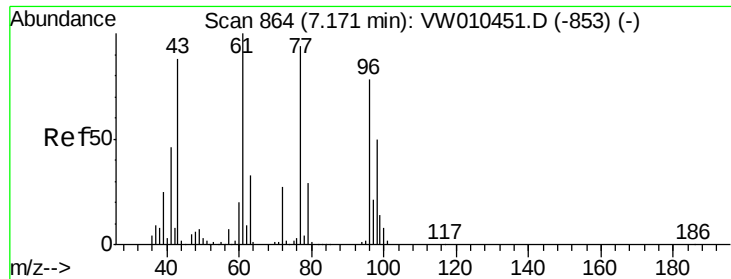
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 227.852 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

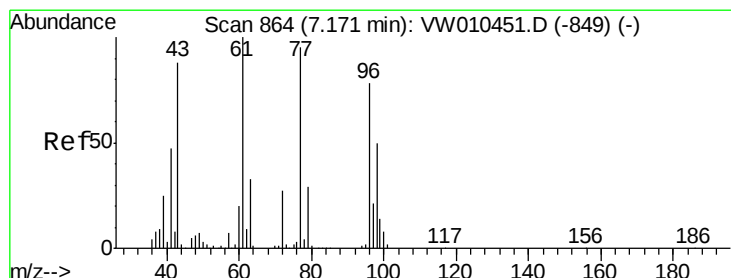
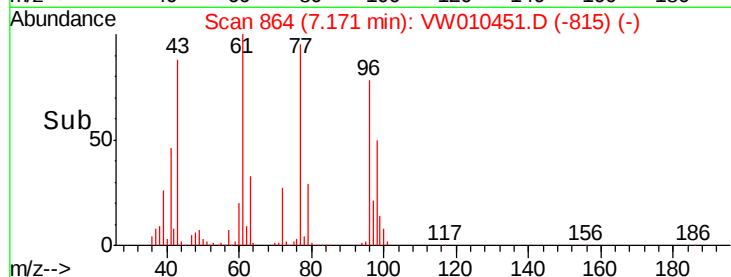
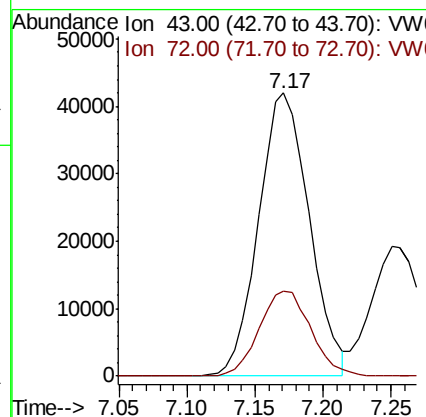
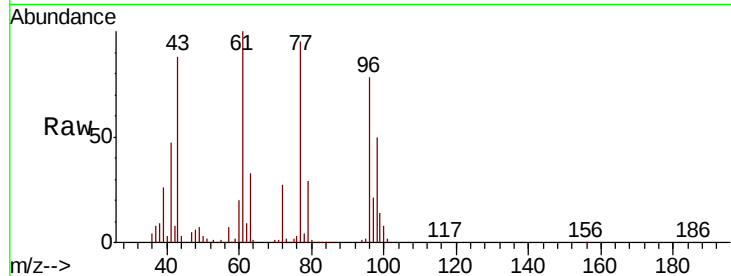
VSTDICCC050

Tot Ion: 43 Resp: 108943

Ion Ratio Lower Upper

43 100

72 30.1 24.1 36.1



#26

2,2-Dichloropropane

Concen: 50.992 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010451.D

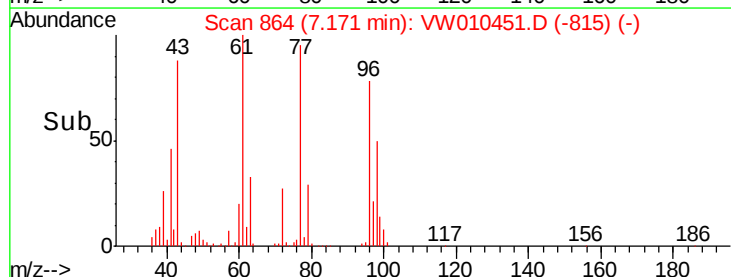
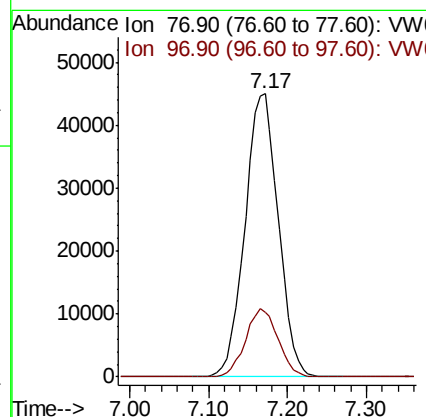
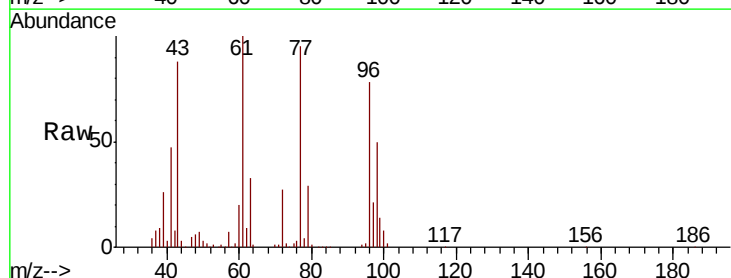
Acq: 20 May 2019 16:28

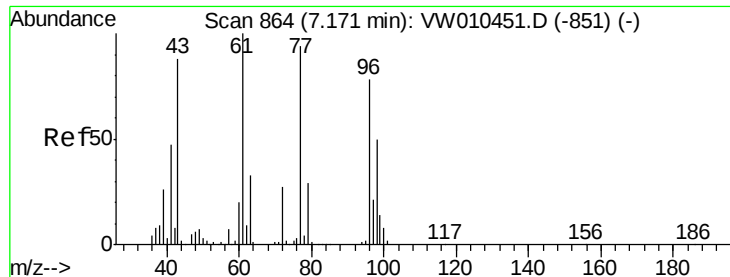
Tgt Ion: 77 Resp: 132039

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



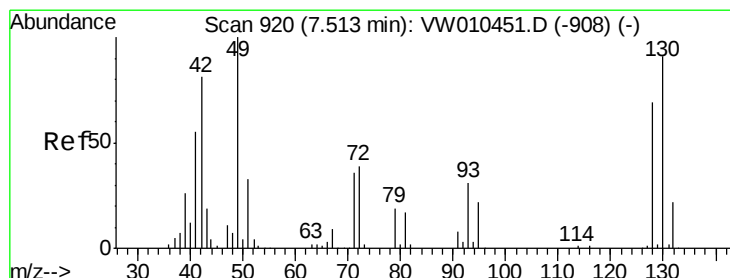
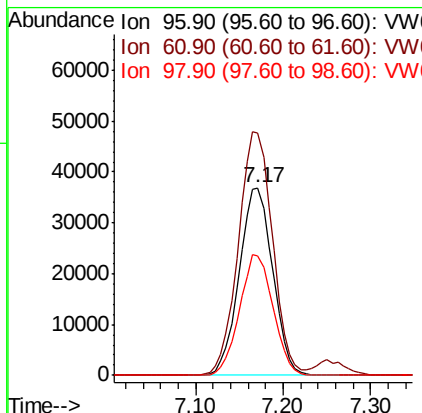
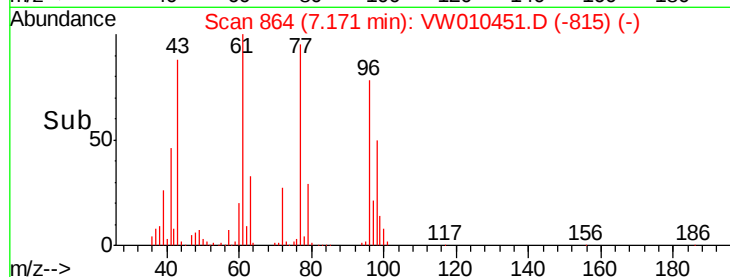
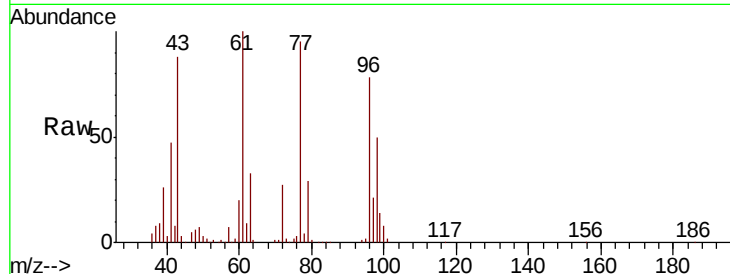


#27

cis-1,2-Dichloroethene
Concen: 50.471 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

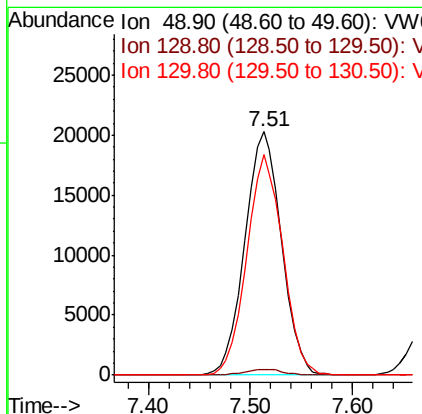
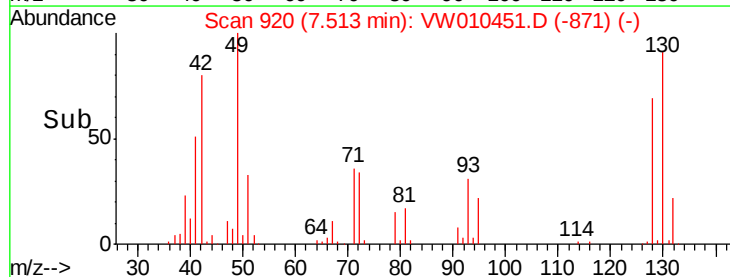
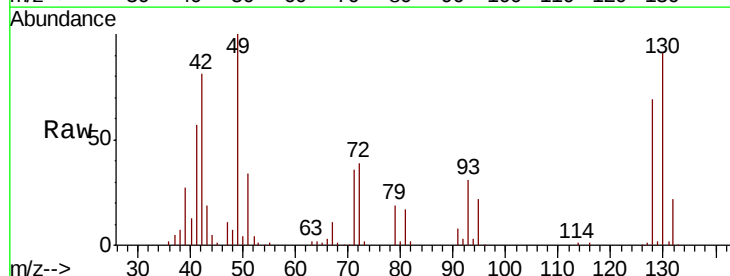
Tot Ion: 96 Resp: 98211
Ion Ratio Lower Upper
96 100
61 132.7 0.0 265.4
98 64.7 0.0 129.4

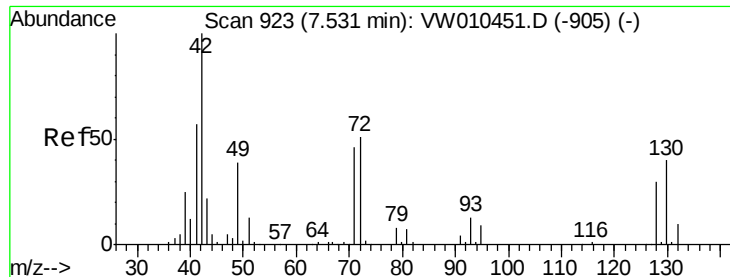


#28

Bromochloromethane
Concen: 48.430 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 49 Resp: 50649
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 89.0 71.2 106.8

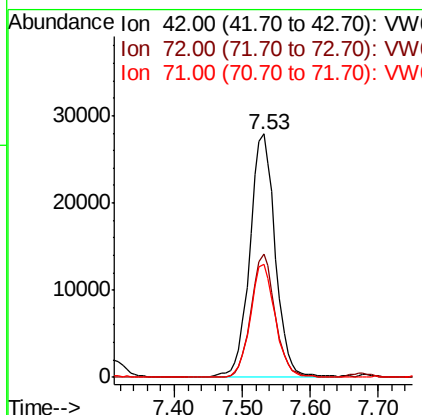
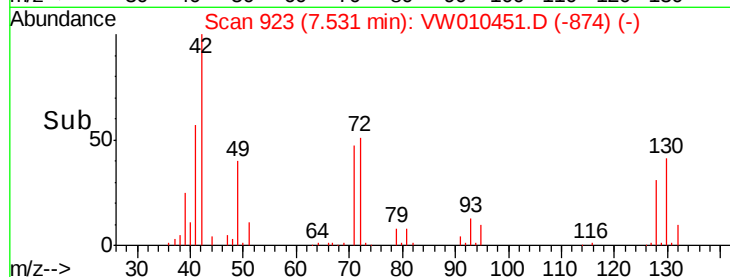
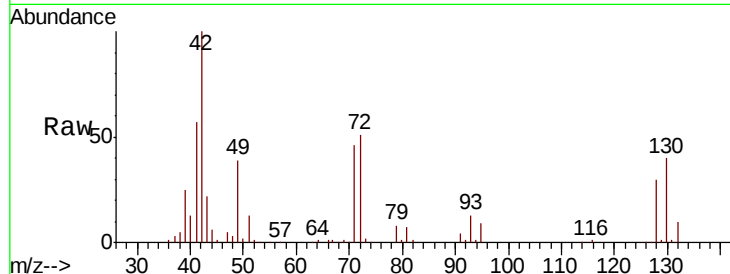




#29
Tetrahydrofuran
Concen: 225.158 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

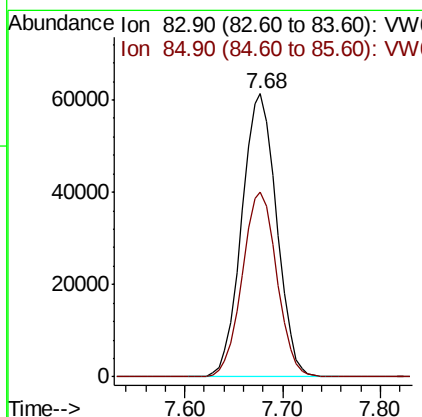
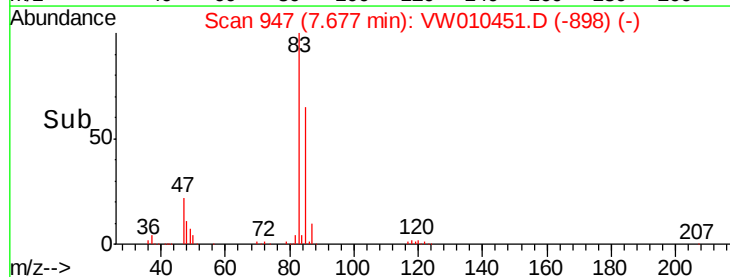
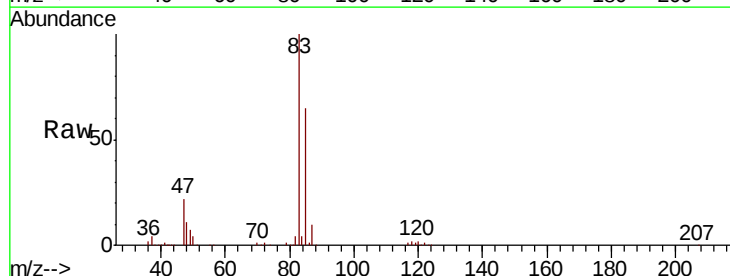
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

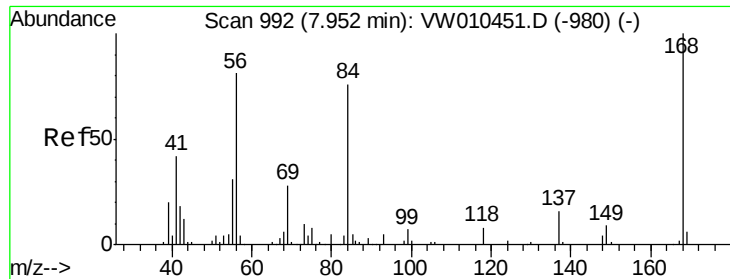
Tot Ion:	42	Resp:	72844
Ion	Ratio	Lower	Upper
42	100		
72	48.1	38.5	57.7
71	45.6	36.5	54.7



#30
Chloroform
Concen: 50.651 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:	83	Resp:	151594
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4

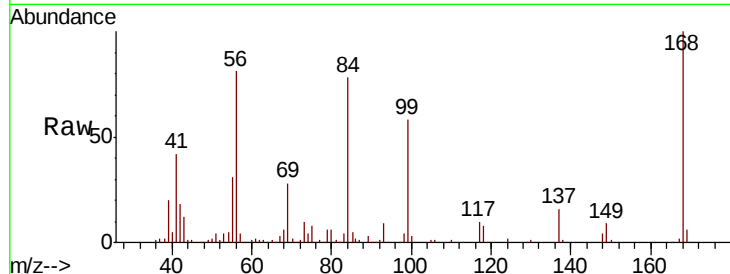




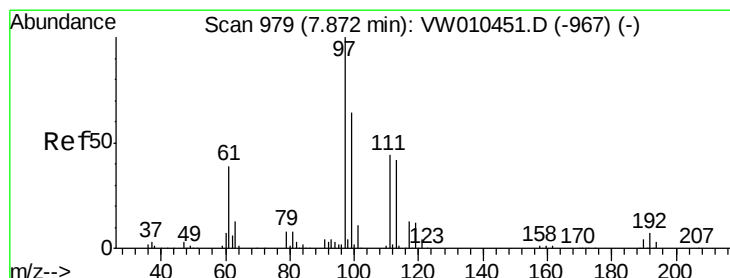
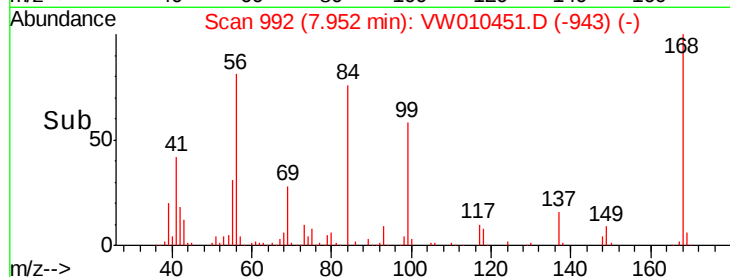
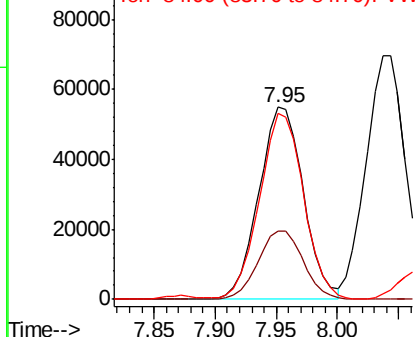
#31
Cyclohexane
Concen: 48.648 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 139687
Ion Ratio Lower Upper
56 100
69 35.2 28.2 42.2
84 94.8 75.8 113.8

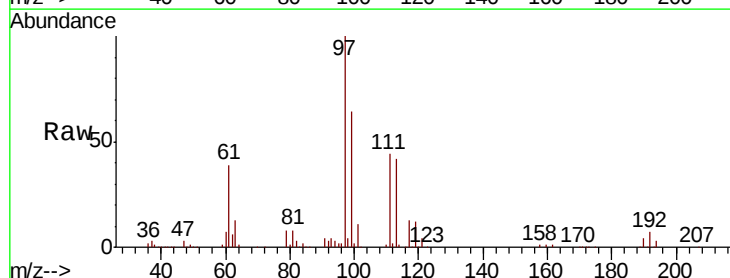


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

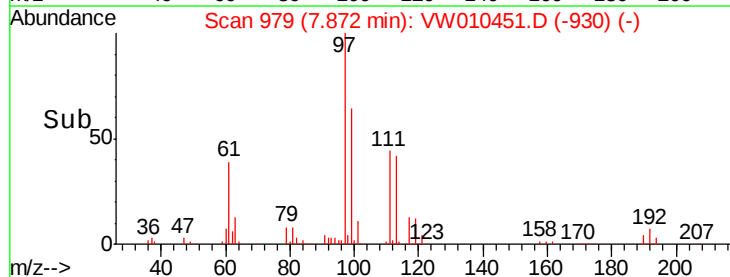
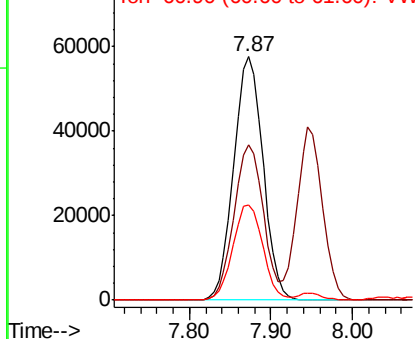


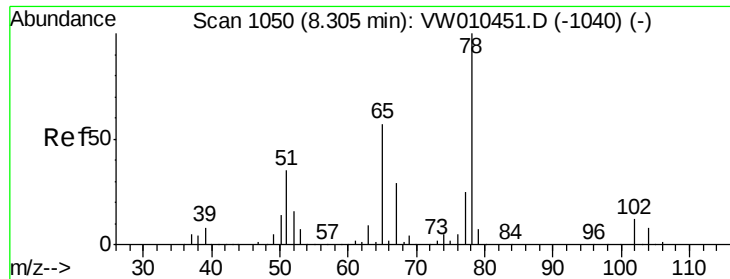
#32
1,1,1-Trichloroethane
Concen: 50.709 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 97 Resp: 143395
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 40.1 32.1 48.1



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

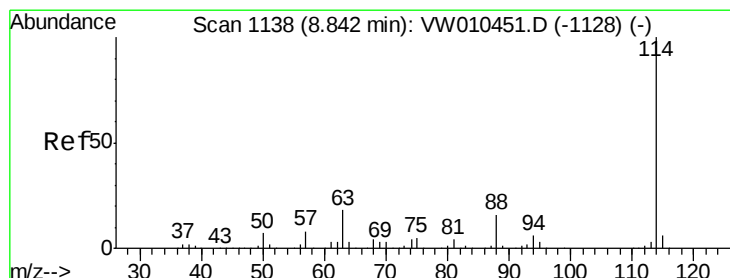
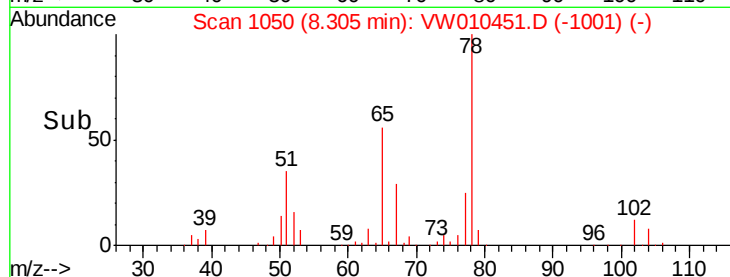
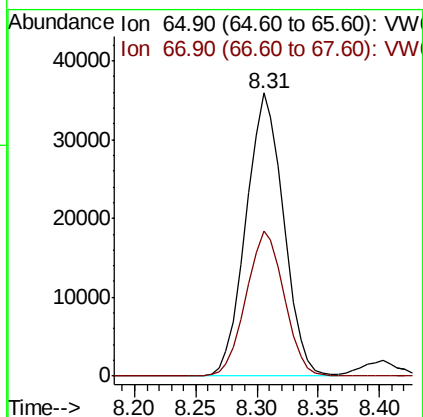
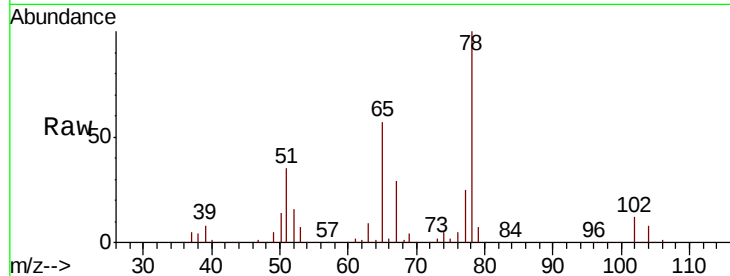




#33
 1,2-Dichloroethane-d4
 Concen: 48.227 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

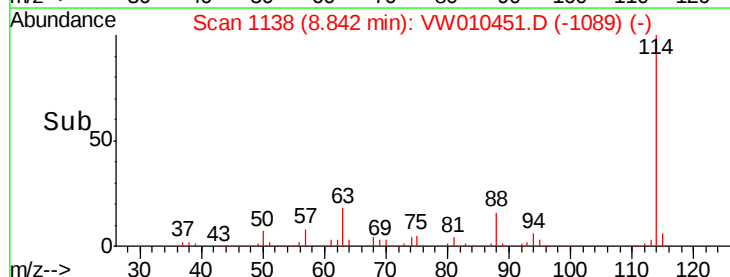
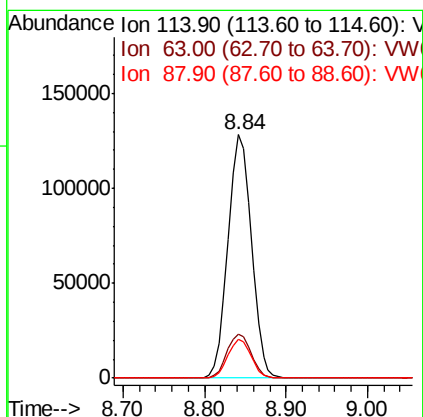
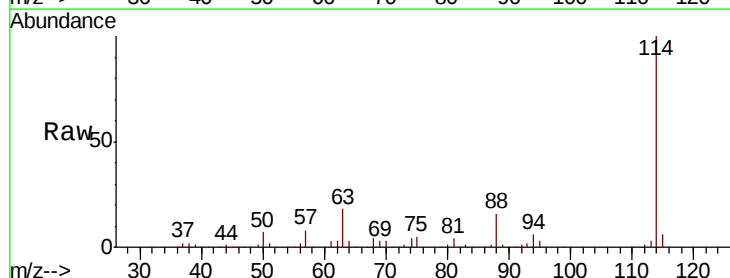
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

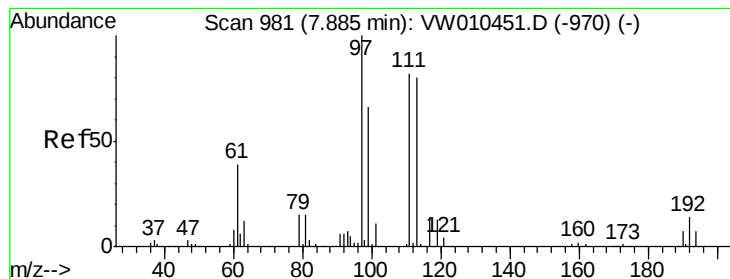
Tot Ion: 65 Resp: 76804
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 114 Resp: 253921
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.601 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

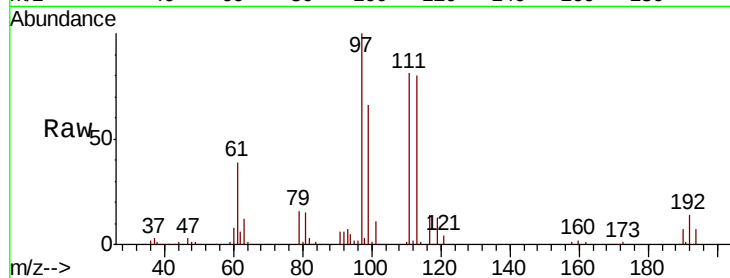
Tot Ion:113 Resp: 78760

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

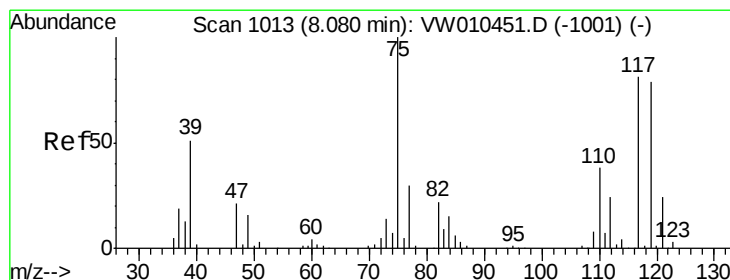
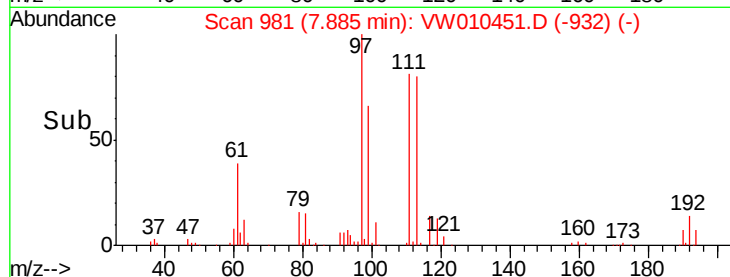
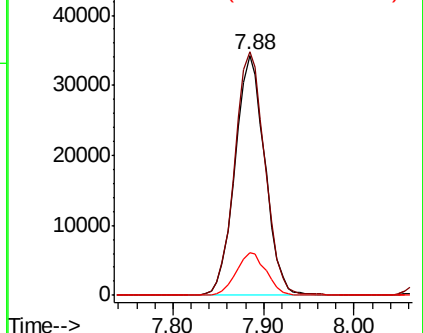
192 17.9 14.3 21.5



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: 52.266 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

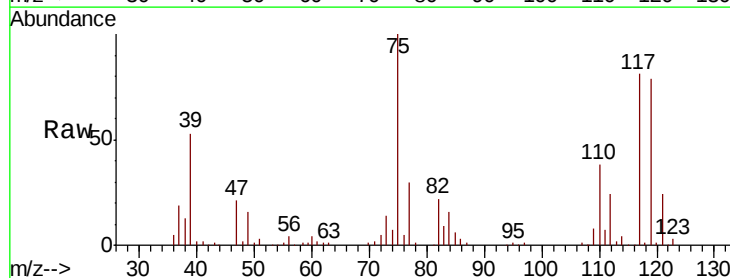
Tgt Ion: 75 Resp: 119521

Ion Ratio Lower Upper

75 100

110 38.4 19.2 57.6

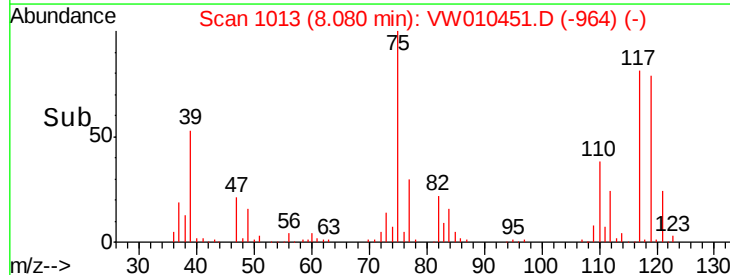
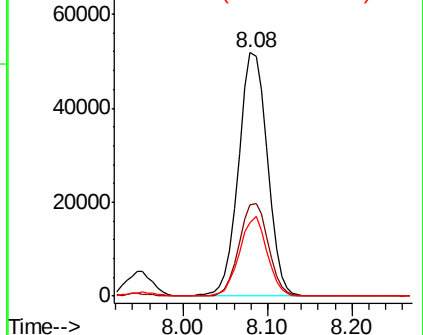
77 31.5 25.2 37.8

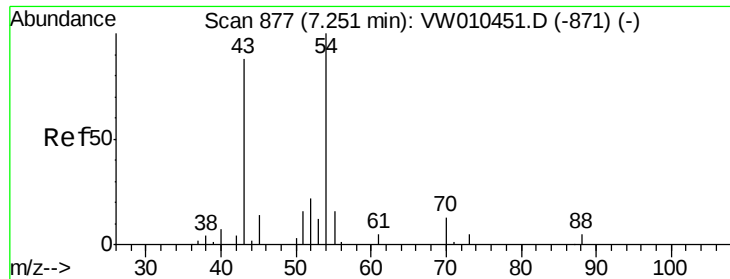


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

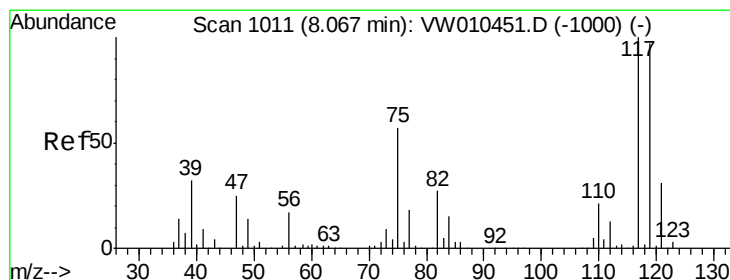
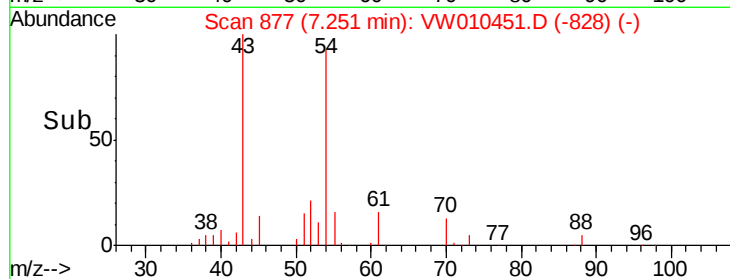
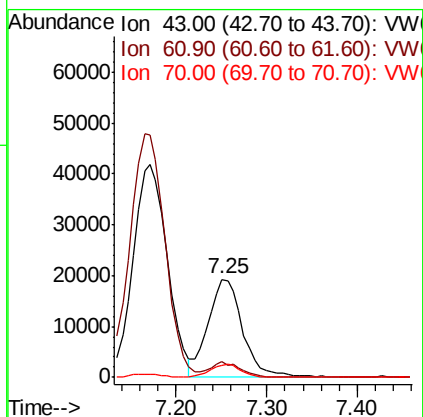
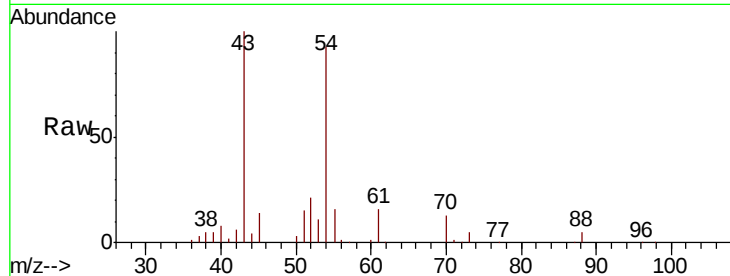




#37
Ethyl Acetate
Concen: 47.246 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

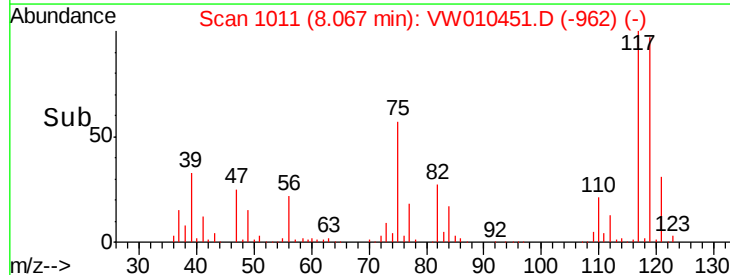
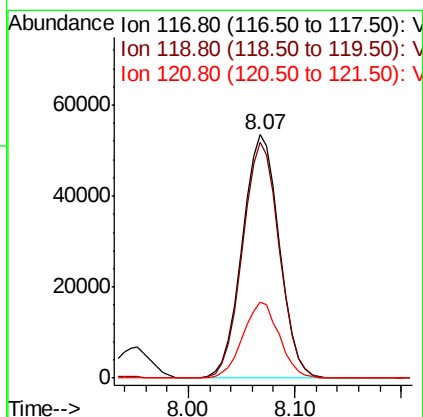
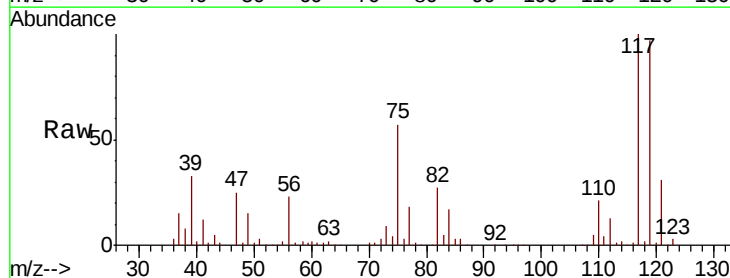
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

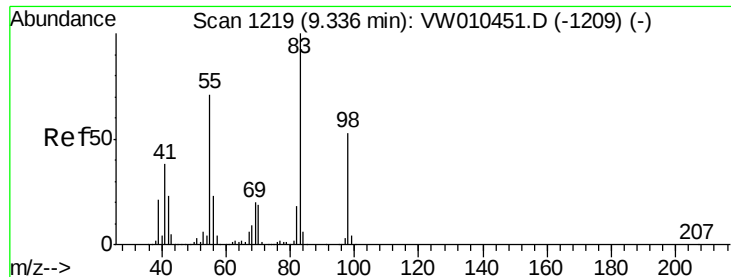
Tot Ion: 43 Resp: 50503
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 12.4 9.9 14.9



#38
Carbon Tetrachloride
Concen: 52.867 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 117 Resp: 130483
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 31.3 25.0 37.6

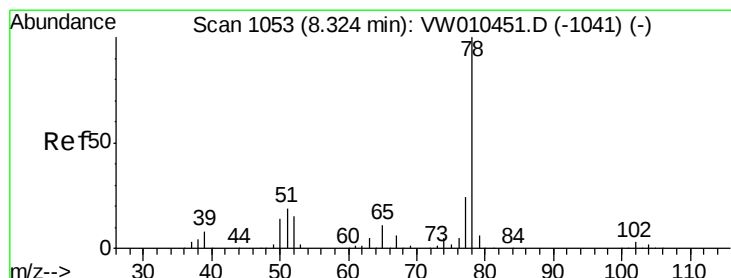
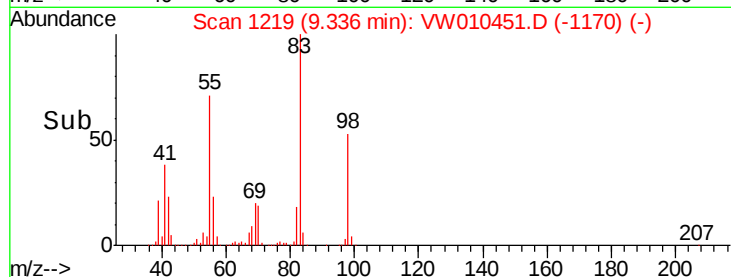
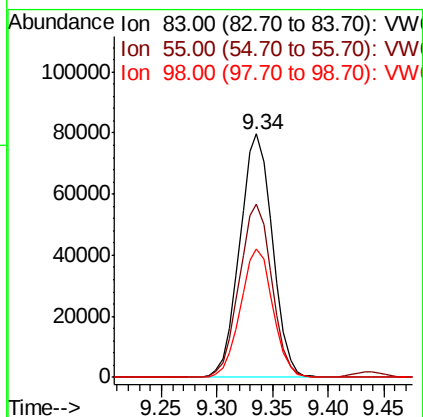
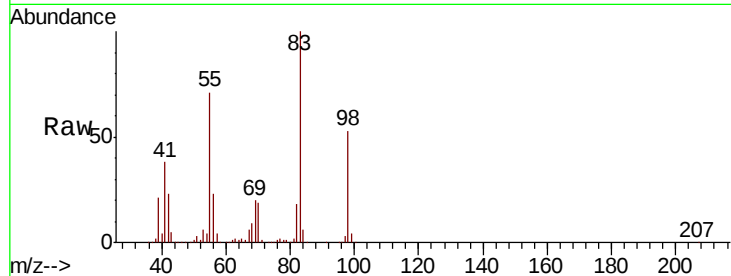




#39
Methvlcvclohexane
Concen: 53.045 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

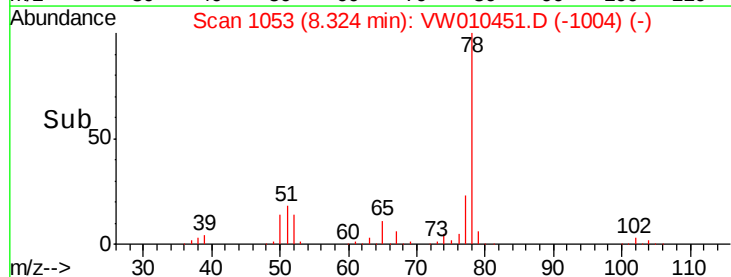
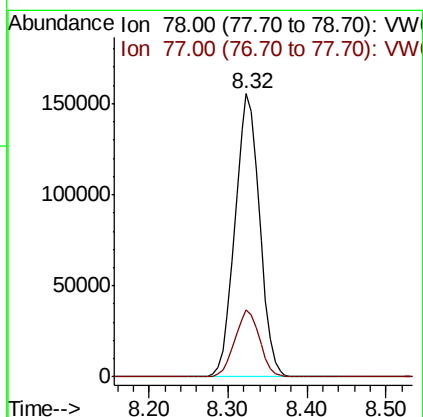
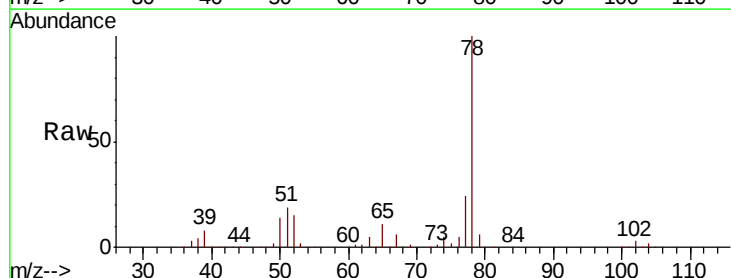
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

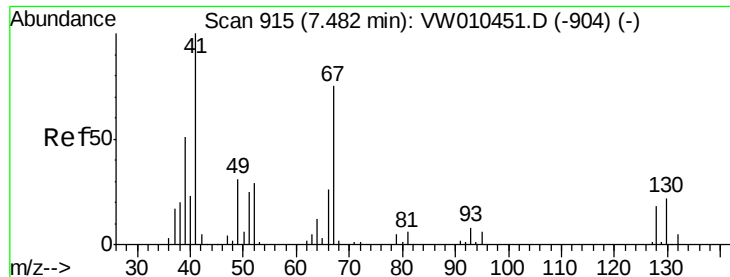
Tot Ion: 83 Resp: 162496
Ion Ratio Lower Upper
83 100
55 71.3 57.0 85.6
98 52.5 42.0 63.0



#40
Benzene
Concen: 51.752 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 78 Resp: 336743
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

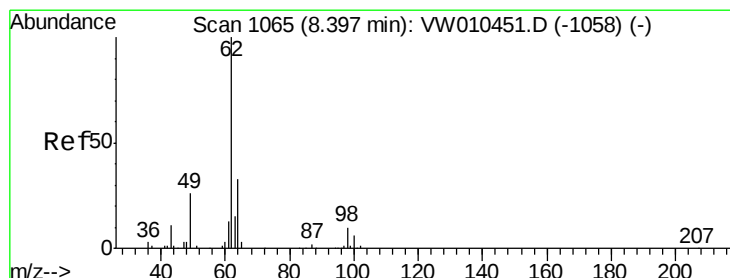
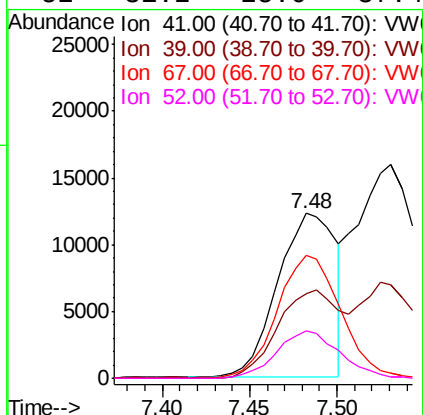
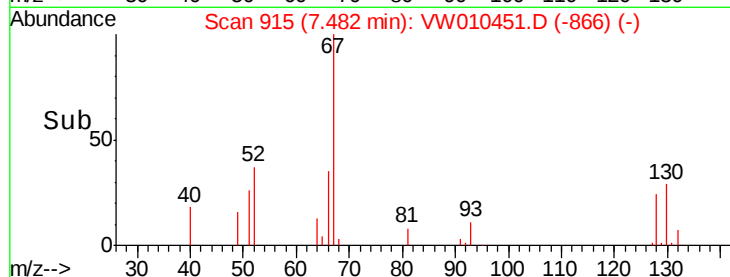
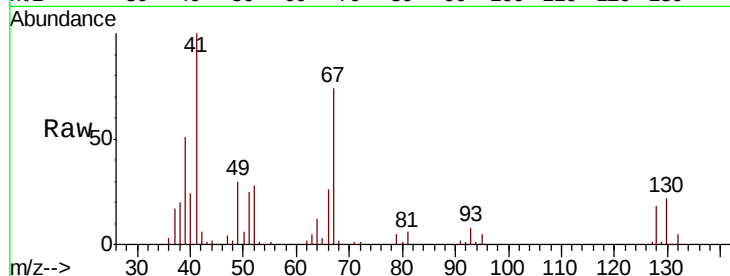




#41
Methacrylonitrile
Concen: 45.614 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

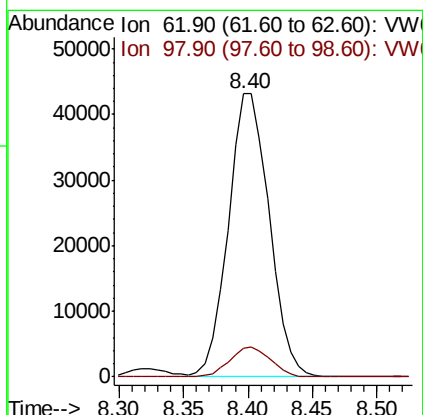
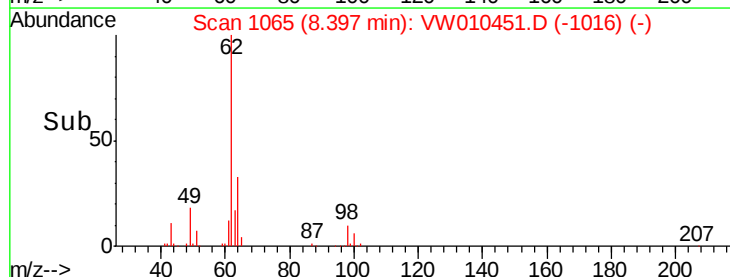
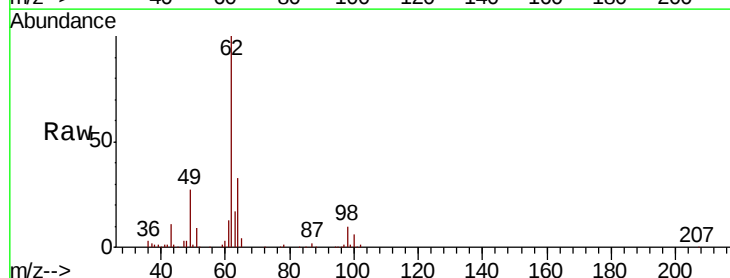
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

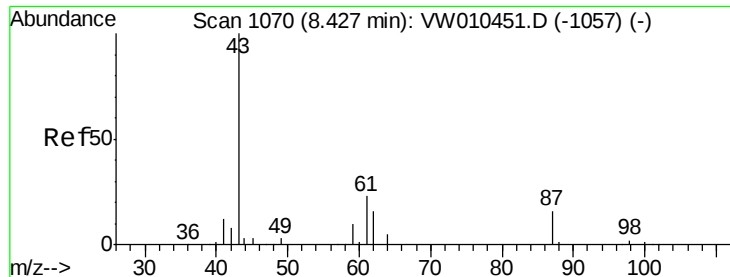
Tot Ion:	41	Resp:	28409
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.4	71.2
67	81.9	65.5	98.3
52	31.2	25.0	37.4



#42
1,2-Dichloroethane
Concen: 49.635 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:	62	Resp:	95193
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



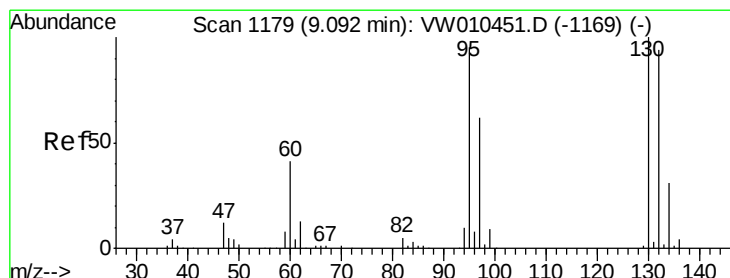
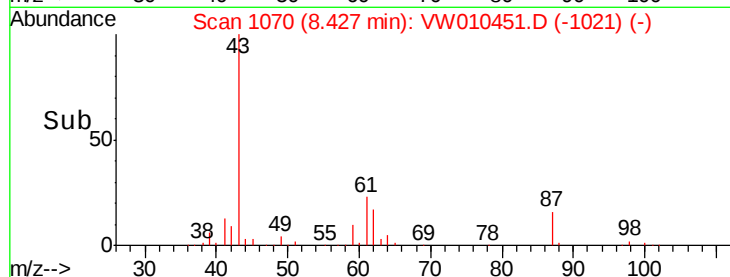
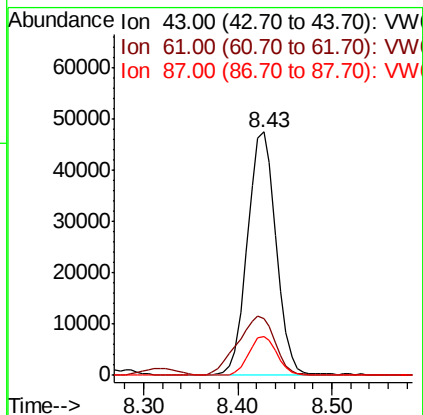
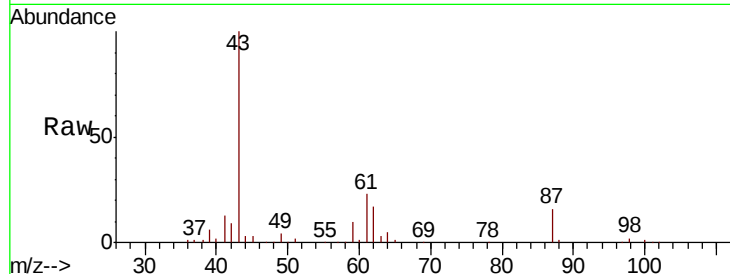


#43

Isopropyl Acetate
 Concen: 46.251 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

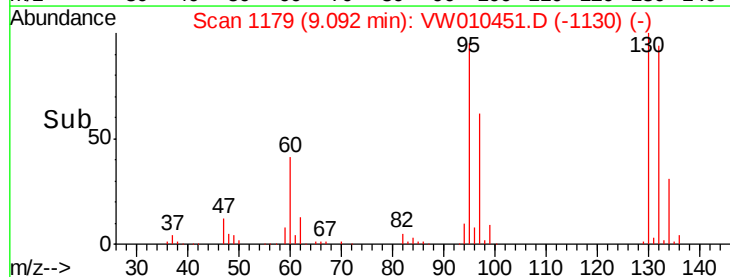
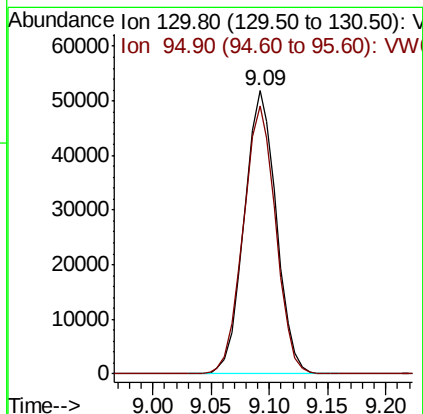
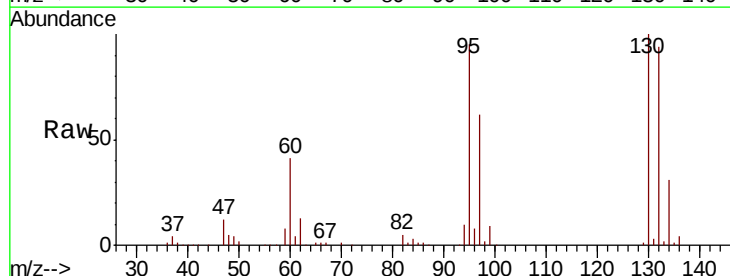
Tot Ion	43	61	87
Resp:	100092		
Ratio	100	31.8	15.9
Lower		25.4	12.7
Upper		38.2	19.1

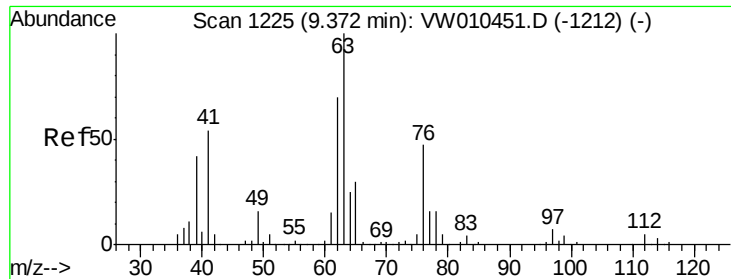


#44

Trichloroethene
 Concen: 53.329 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion	130	95
Resp:	99784	
Ratio	100	94.8
Lower		0.0
Upper		189.6

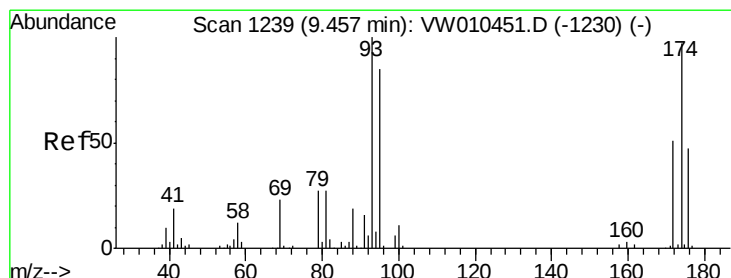
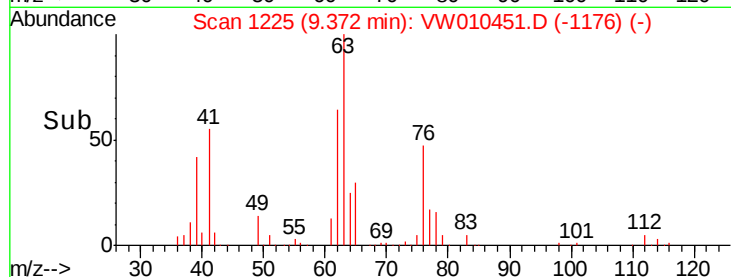
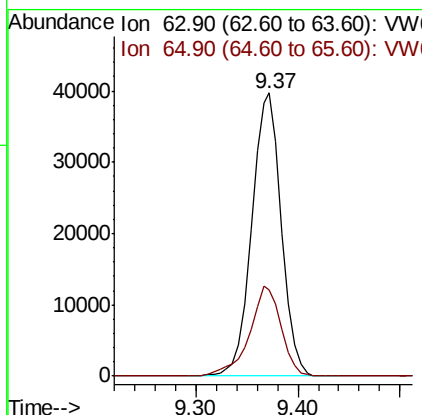
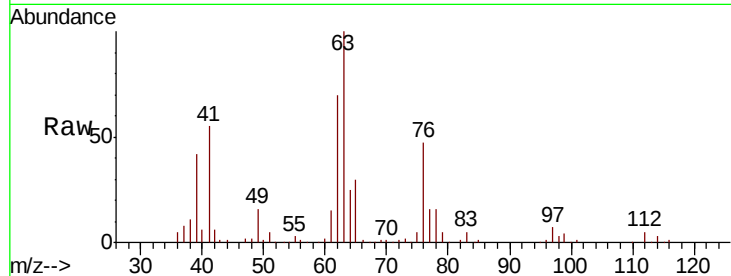




#45
 1,2-Dichloropropane
 Concen: 50.559 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

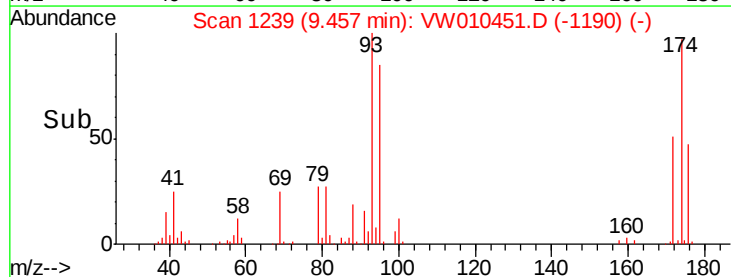
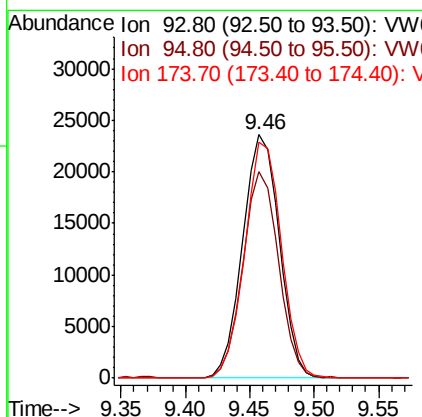
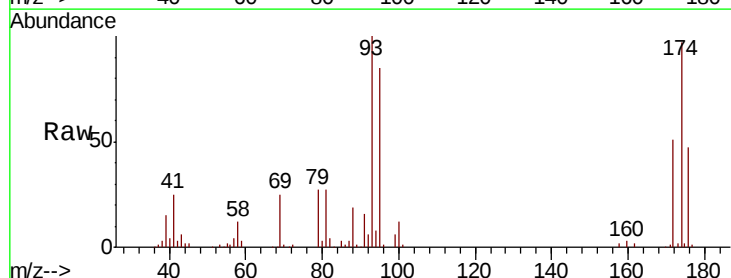
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 79846
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 50.137 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 93 Resp: 46592
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 96.4 77.1 115.7





#47

Bromodichloromethane

Concen: 50.872 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

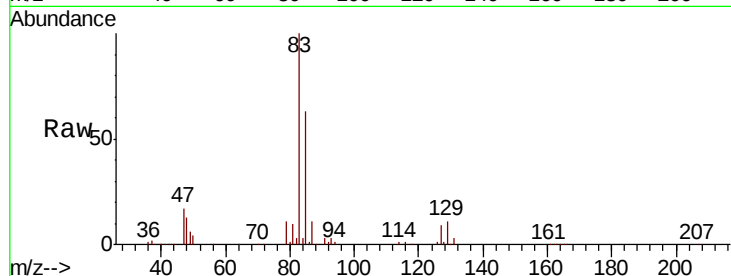
Tot Ion: 83 Resp: 118020

Ion Ratio Lower Upper

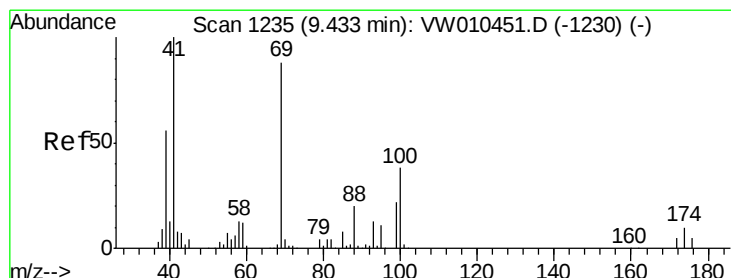
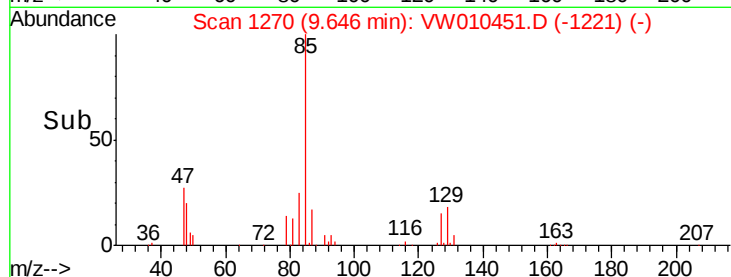
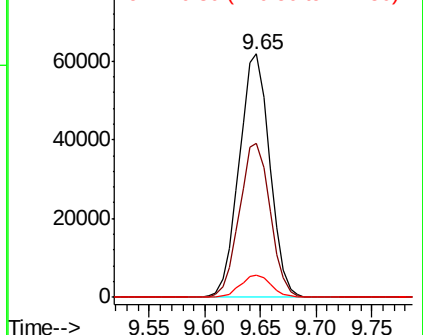
83 100

85 63.0 50.4 75.6

127 9.2 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: 46.053 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

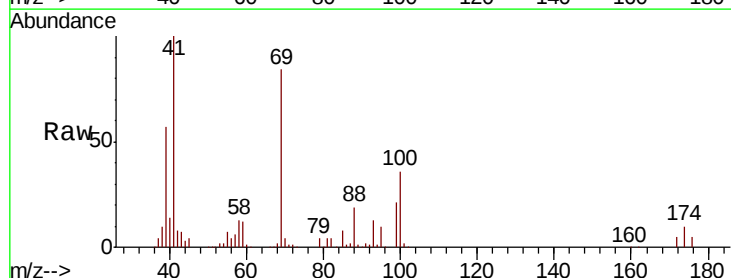
Tgt Ion: 41 Resp: 46067

Ion Ratio Lower Upper

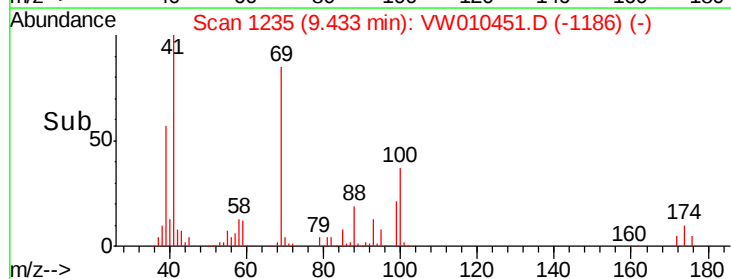
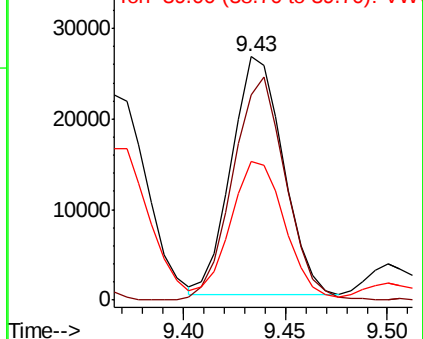
41 100

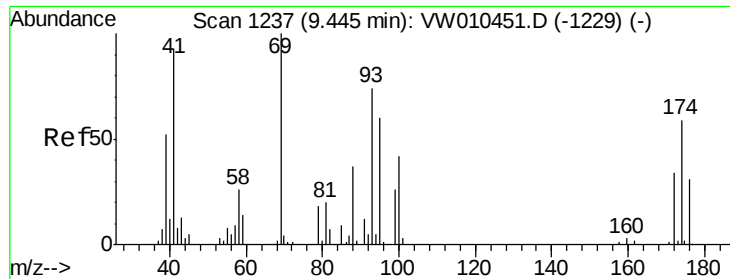
69 97.0 77.6 116.4

39 62.3 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: 1064.950 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

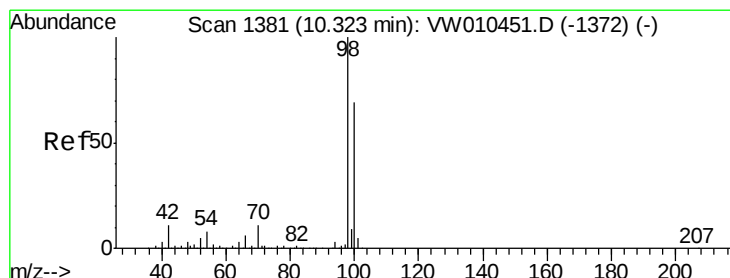
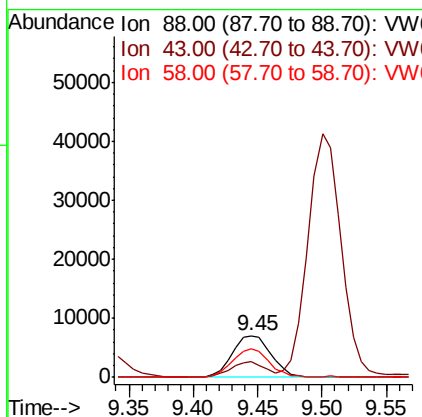
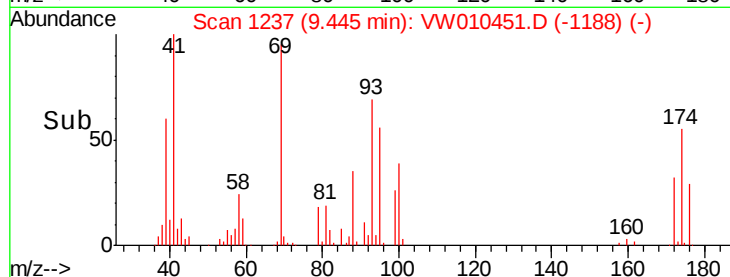
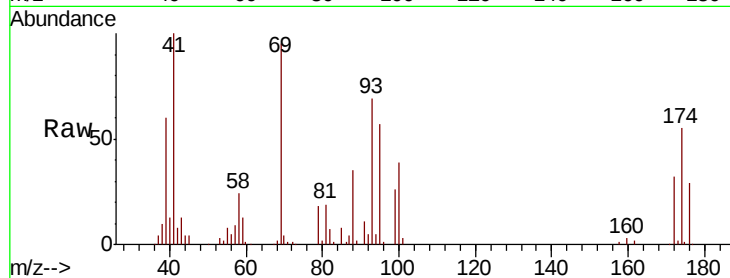
Tot Ion: 88 Resp: 14649

Ion Ratio Lower Upper

88 100

43 32.4 25.9 38.9

58 65.9 52.7 79.1



#50

Toluene-d8

Concen: 51.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010451.D

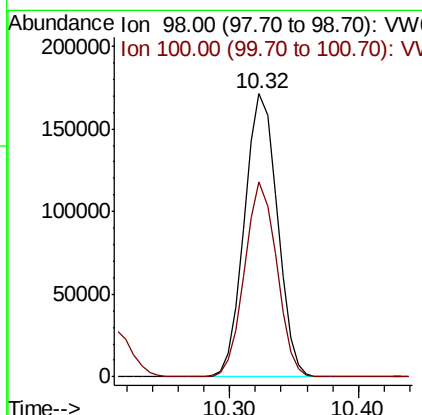
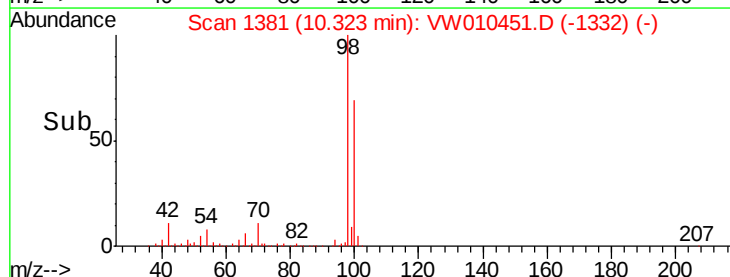
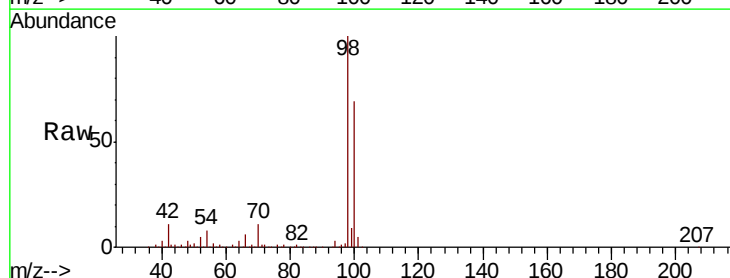
Acq: 20 May 2019 16:28

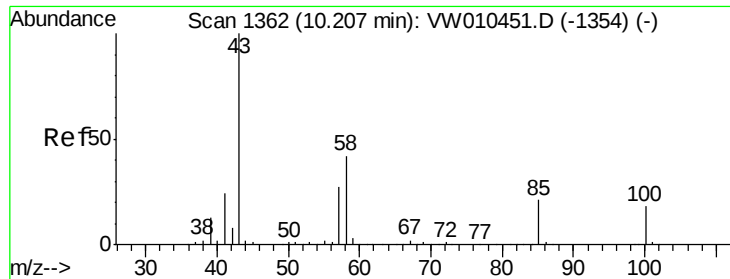
Tgt Ion: 98 Resp: 302764

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 229.367 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

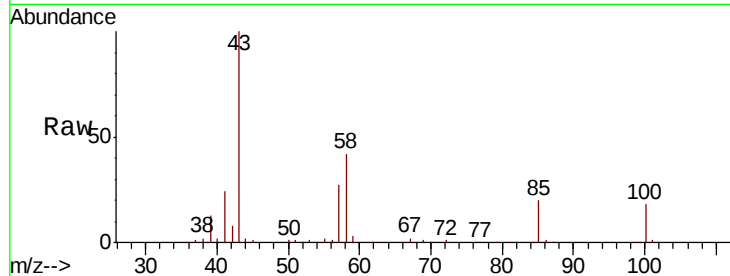
VSTDICCC050

Tot Ion: 43 Resp: 254260

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

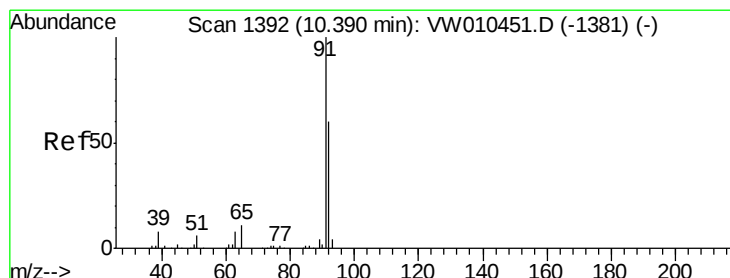
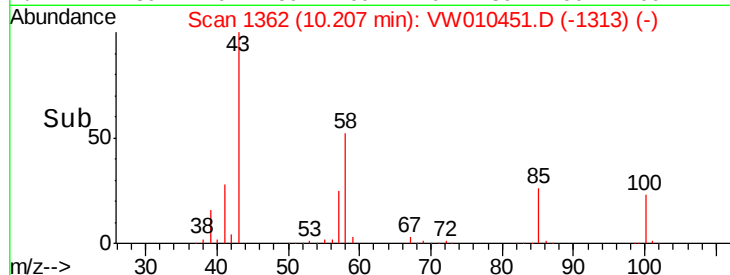
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 51.764 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010451.D

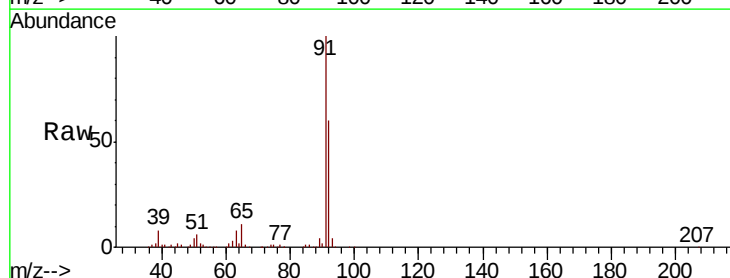
Acq: 20 May 2019 16:28

Tgt Ion: 92 Resp: 223675

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

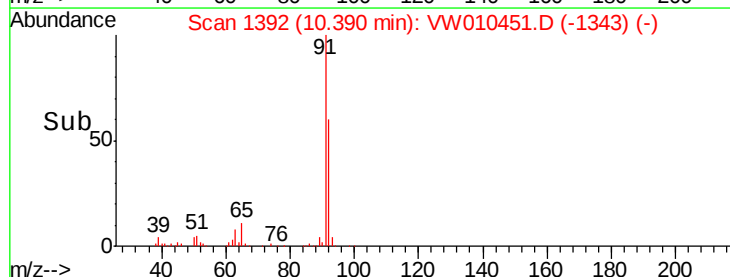
150000

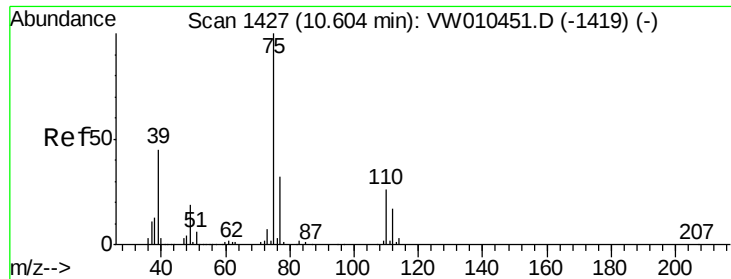
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 49.948 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

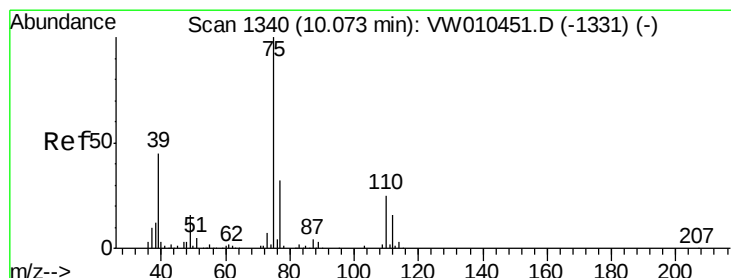
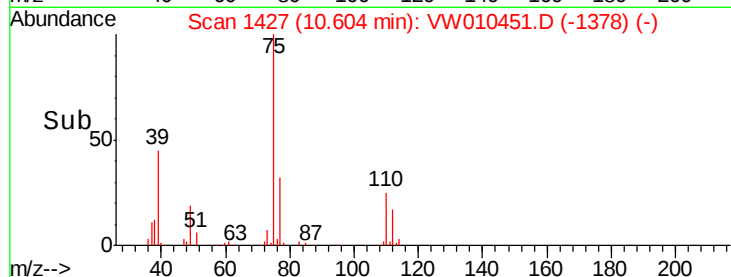
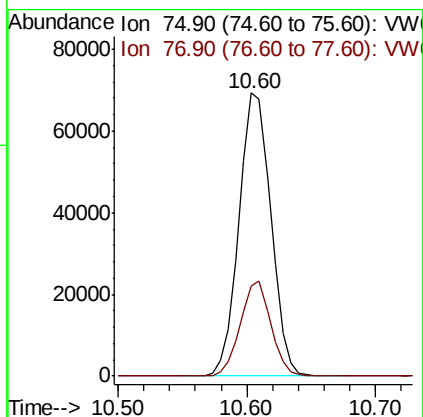
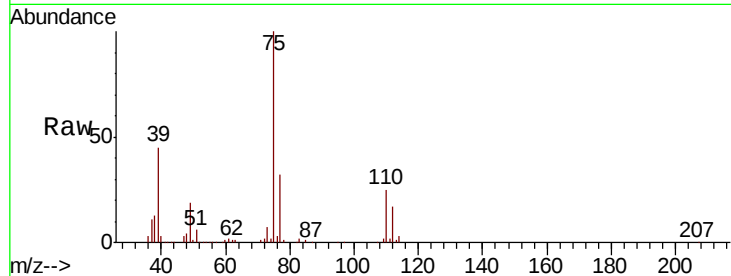
VSTDICCC050

Tot Ion: 75 Resp: 119044

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 50.230 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

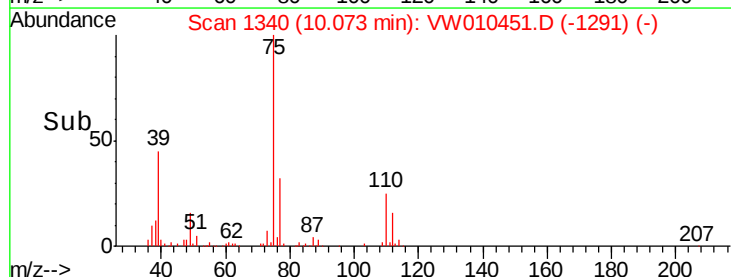
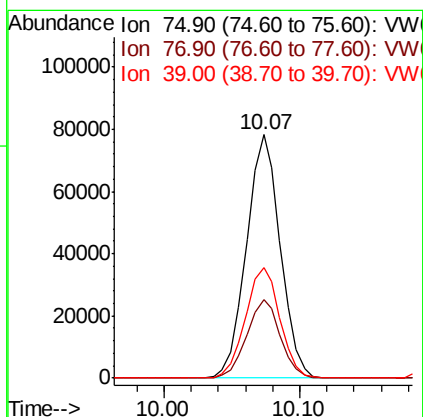
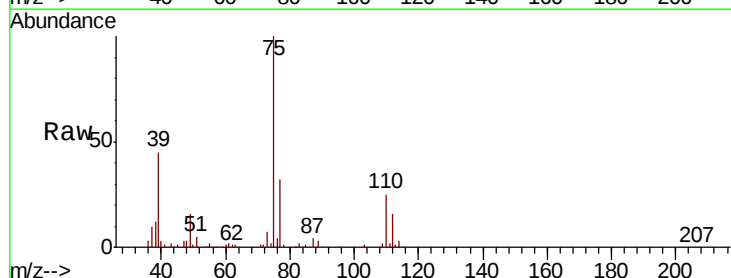
Tgt Ion: 75 Resp: 136129

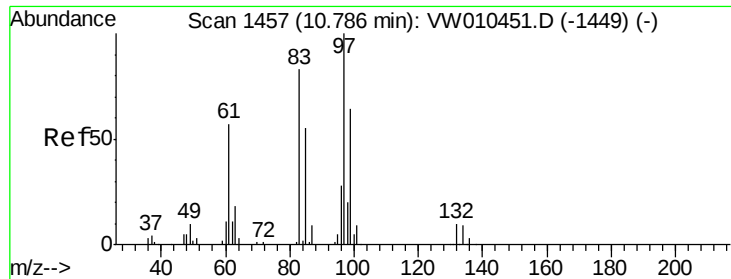
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.3 36.2 54.4

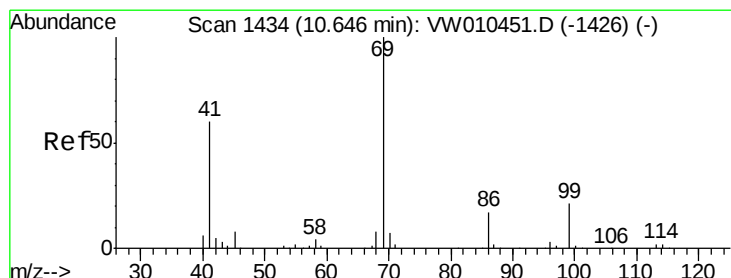
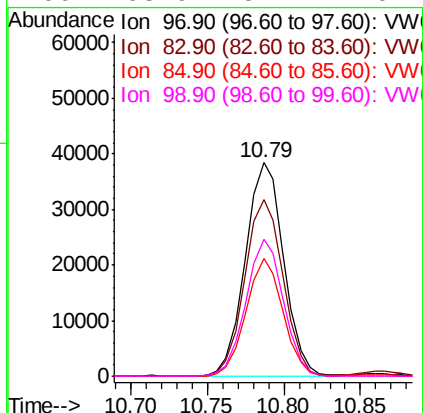
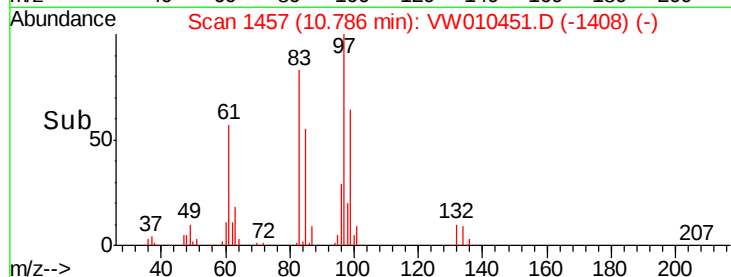
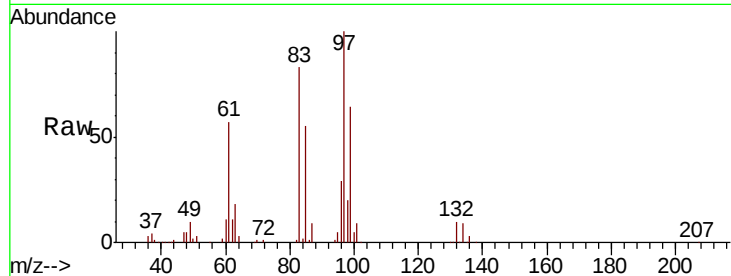




#55
 1,1,2-Trichloroethane
 Concen: 49.912 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

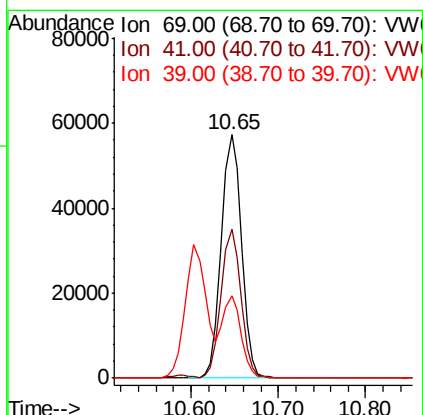
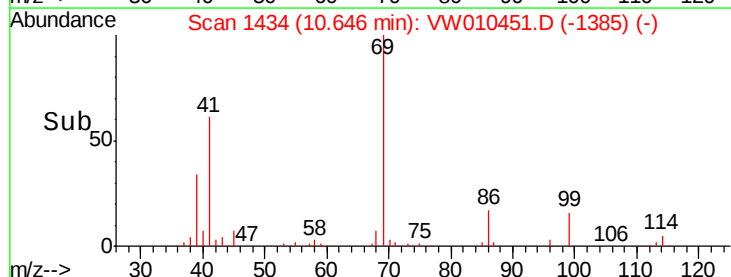
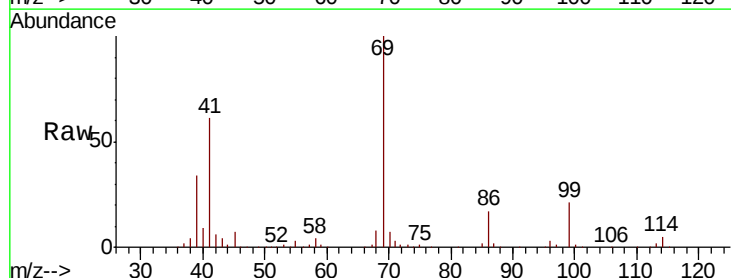
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

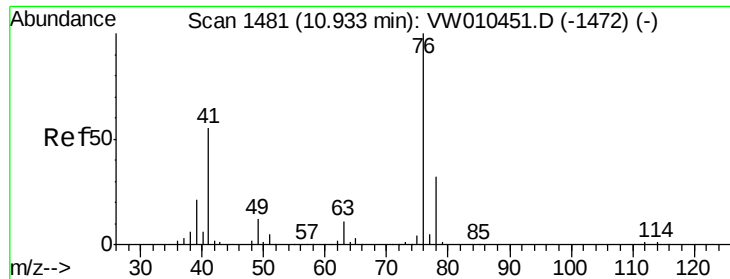
Tot Ion:	97	Resp:	66905
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.1	99.1
85	55.3	44.2	66.4
99	63.9	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 49.217 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion:	69	Resp:	92128
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.7	71.5
39	31.6	25.3	37.9

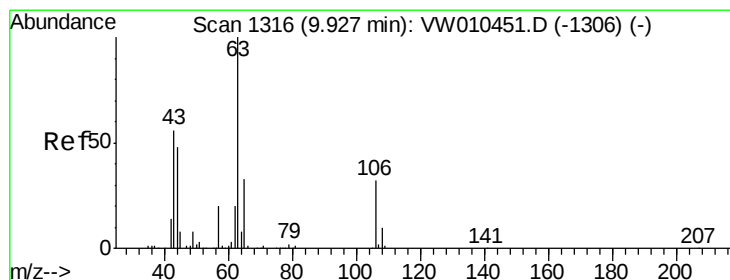
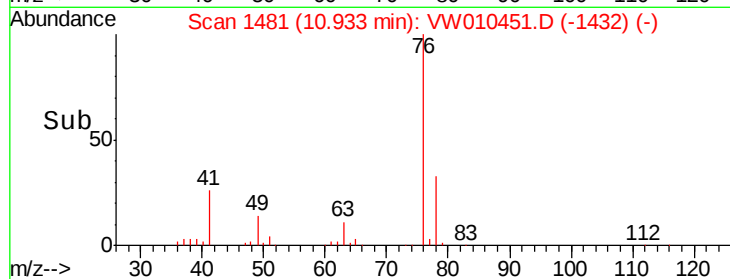
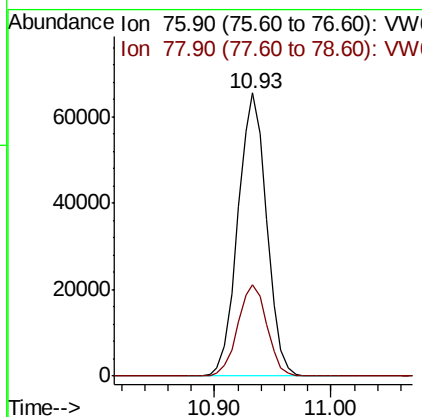
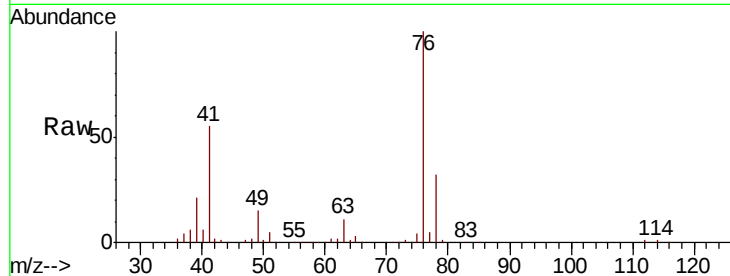




#57
 1,3-Dichloropropane
 Concen: 49.906 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

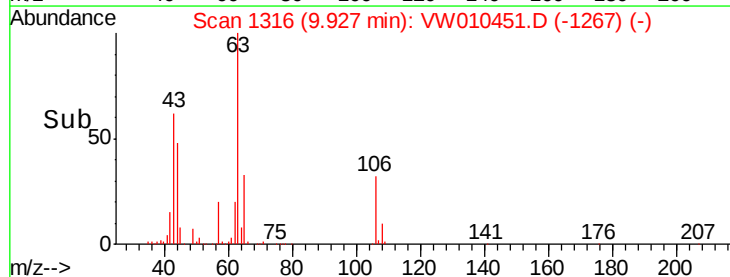
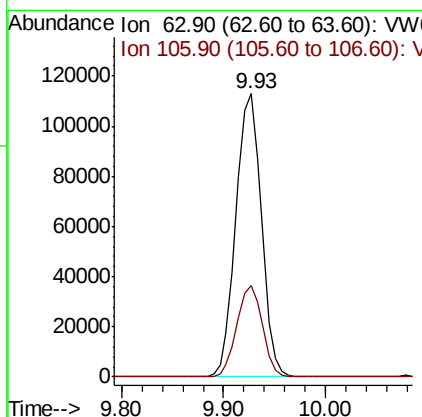
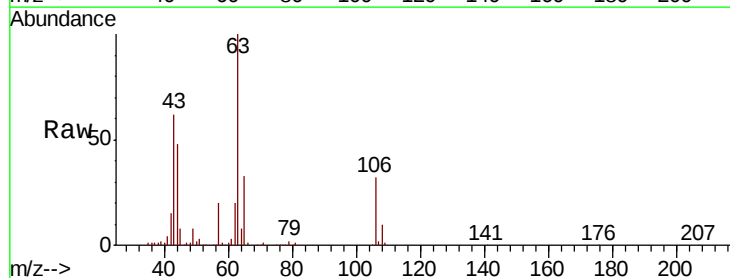
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

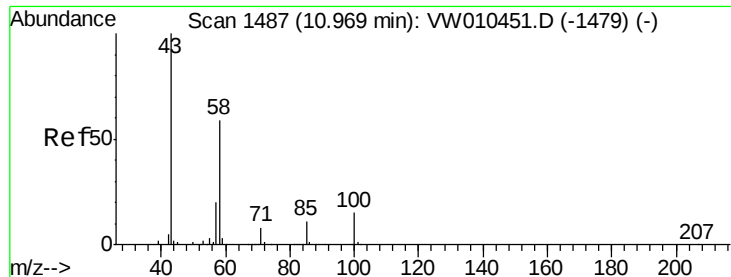
Tot Ion: 76 Resp: 112289
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.713 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 63 Resp: 195889
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.8 38.6

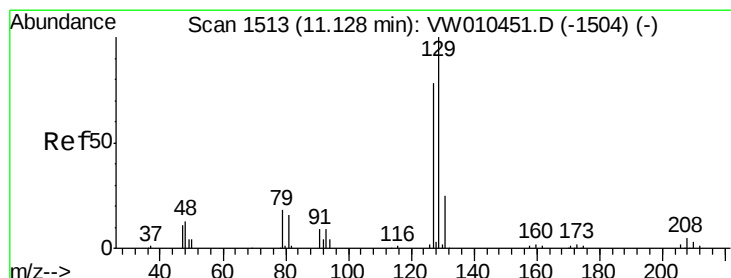
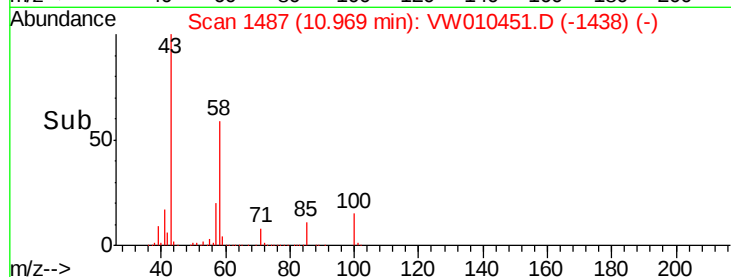
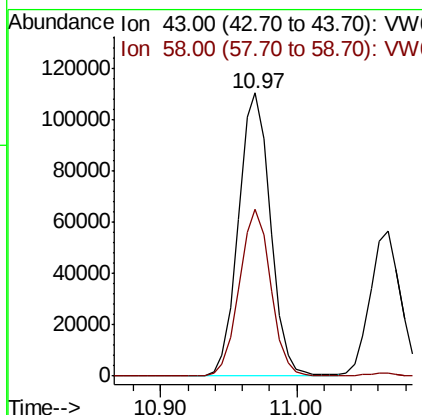
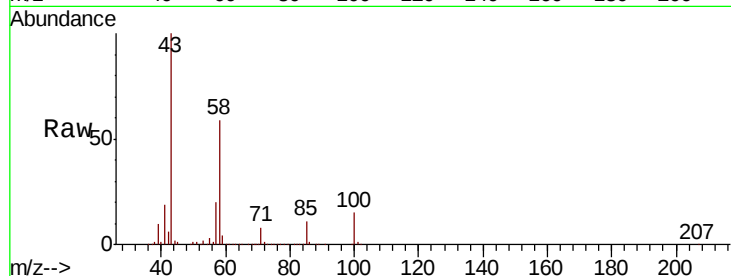




#59
2-Hexanone
Concen: 233.806 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

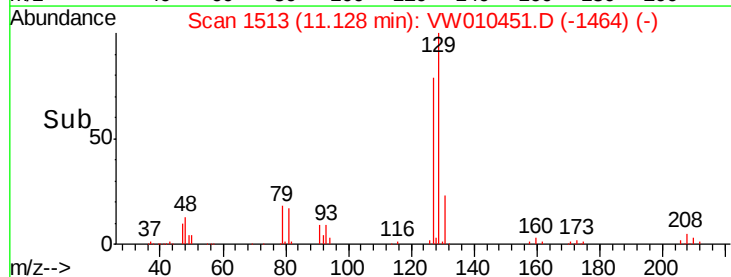
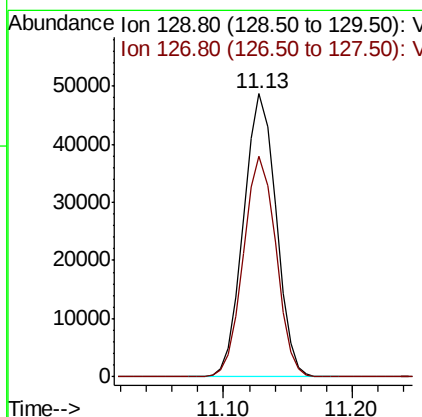
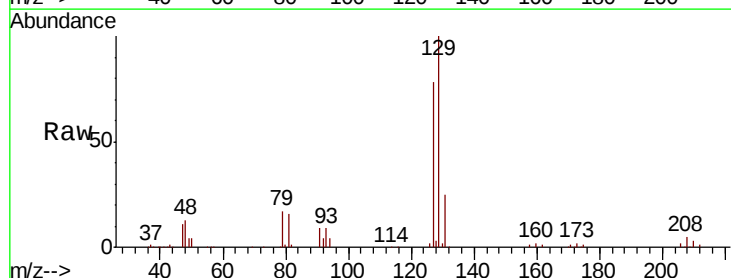
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 181039
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8



#60
Dibromochloromethane
Concen: 50.993 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 129 Resp: 85042
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

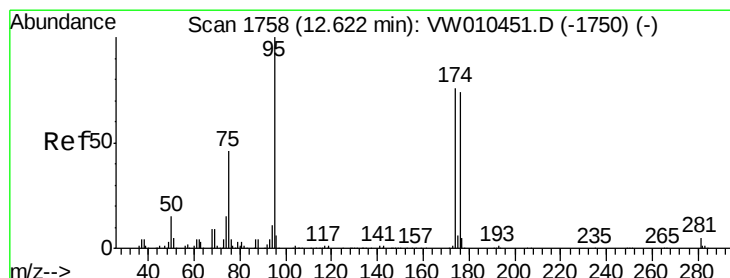
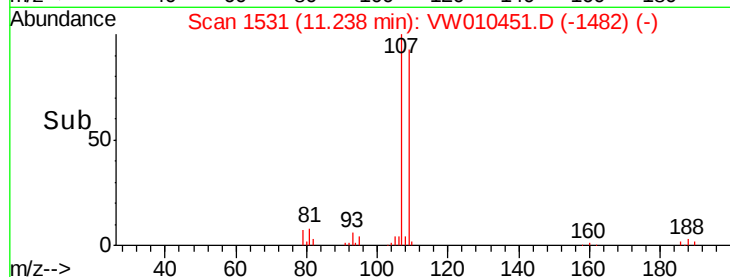
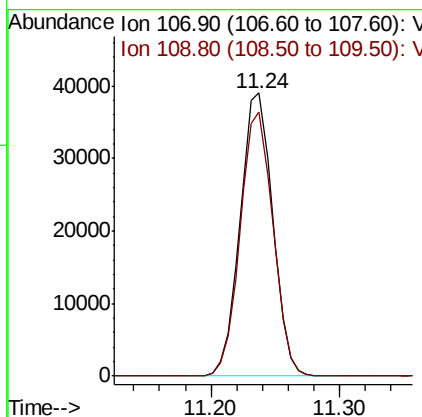
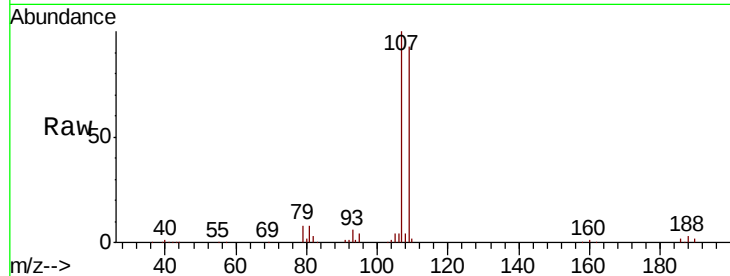




#61
 1,2-Dibromoethane
 Concen: 50.129 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

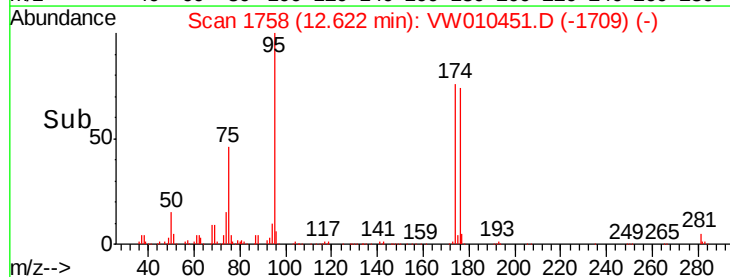
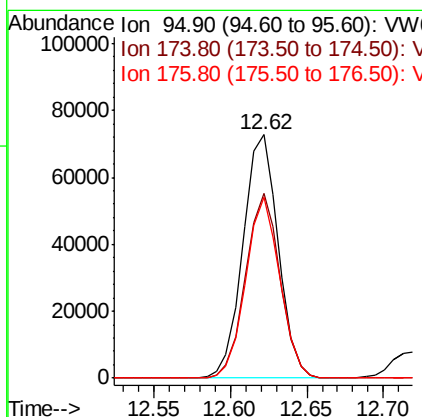
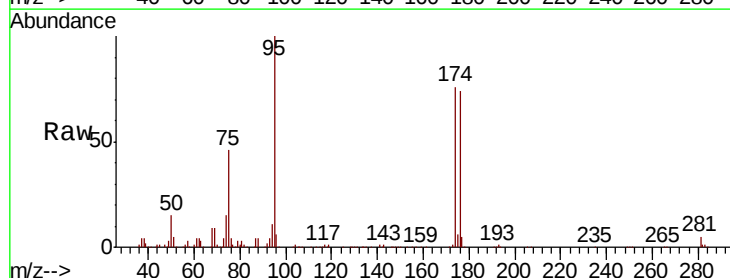
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 68240
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.915 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion: 95 Resp: 116457
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 148.6
 176 72.1 0.0 144.2

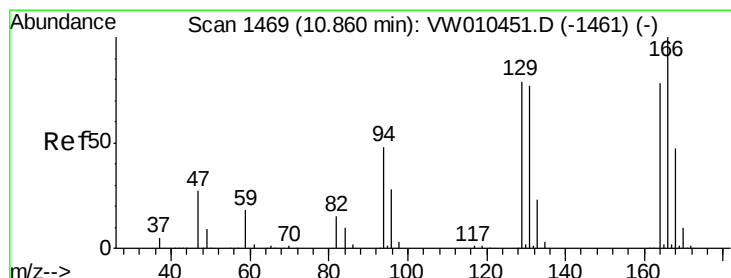
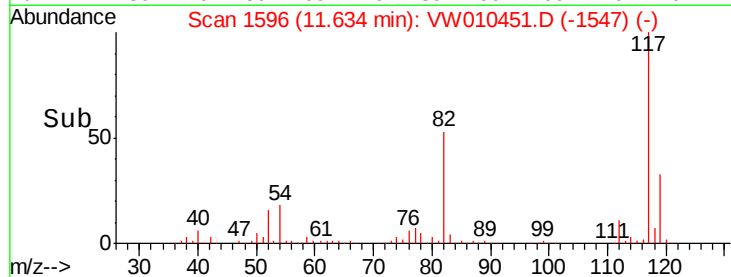
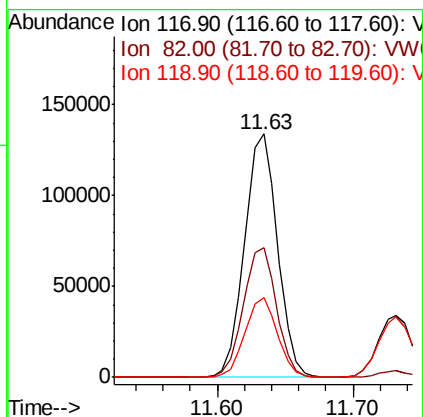
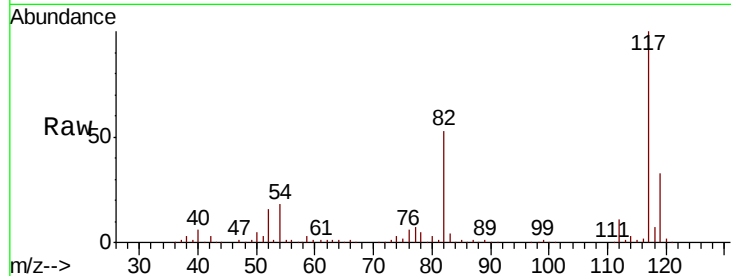




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

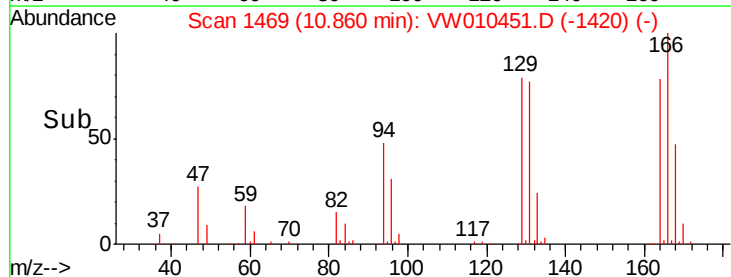
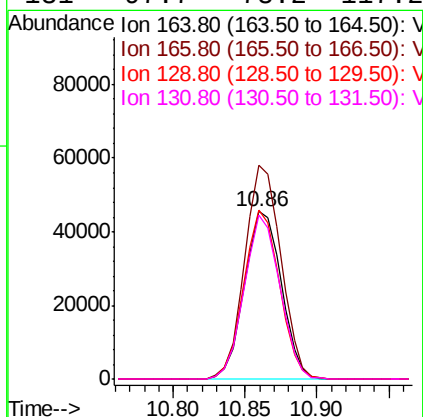
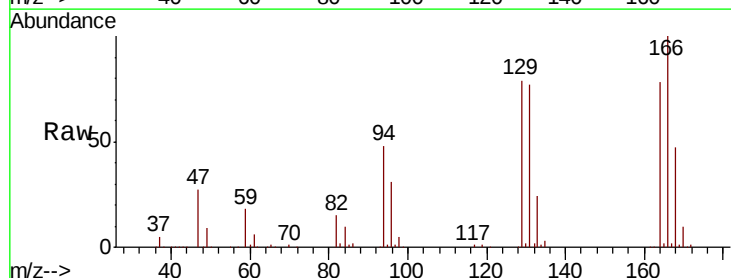
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

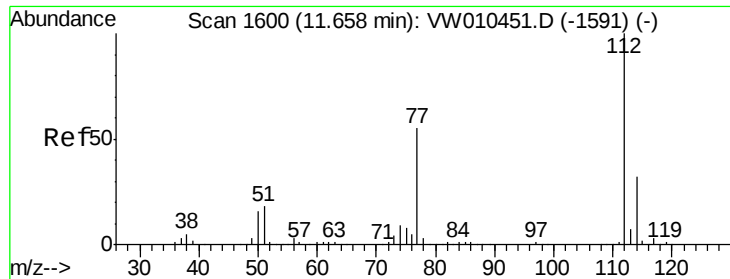
Tot Ion:117 Resp: 227385
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 52.837 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:164 Resp: 80329
Ion Ratio Lower Upper
164 100
166 127.4 101.9 152.9
129 100.8 80.6 121.0
131 97.7 78.2 117.2

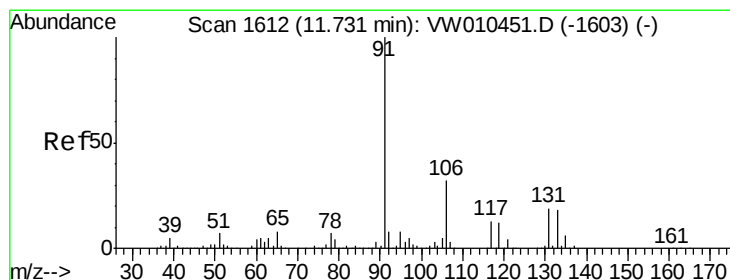
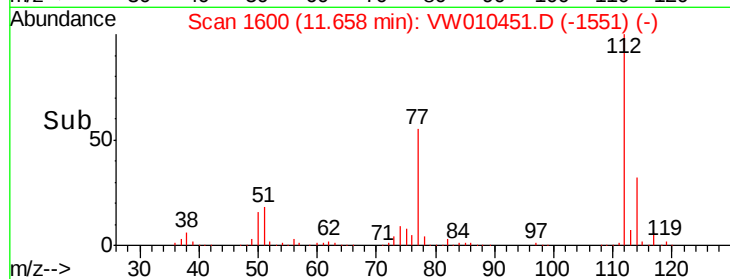
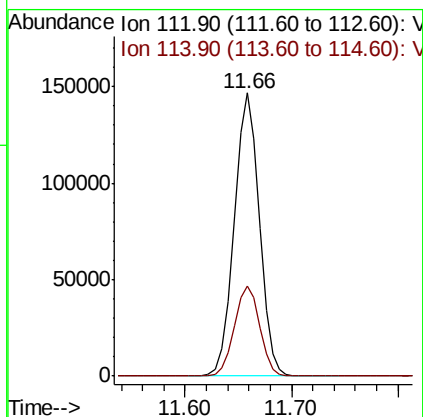
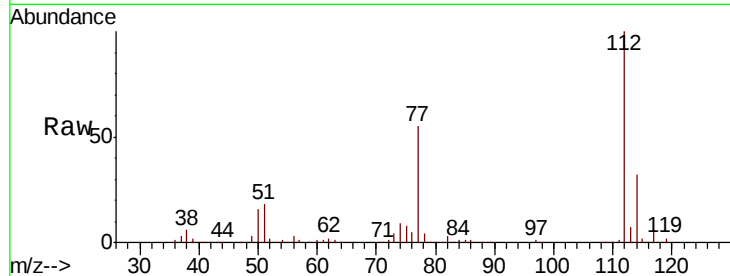




#65
Chlorobenzene
Concen: 51.934 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

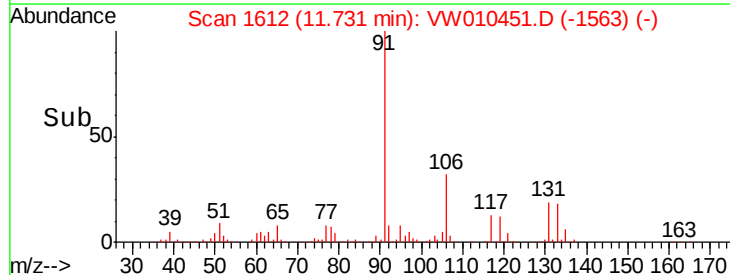
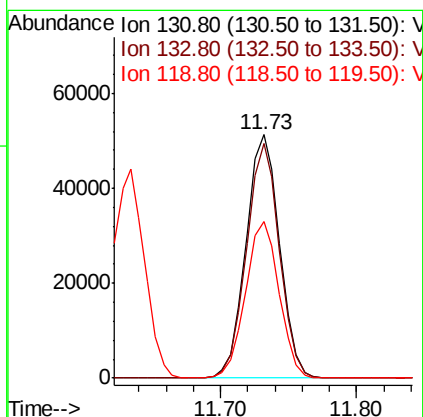
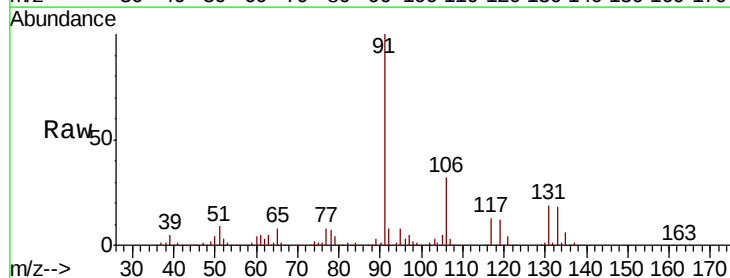
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

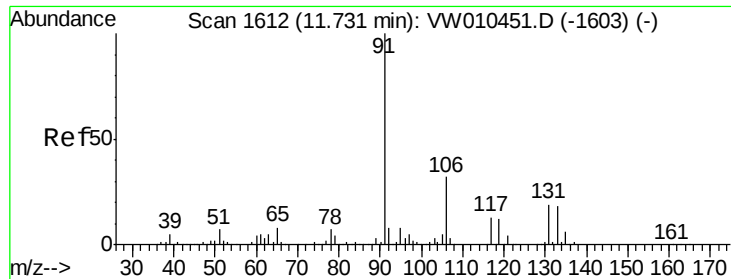
Tot Ion:112 Resp: 242755
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:131 Resp: 88597
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 64.3 32.1 96.5

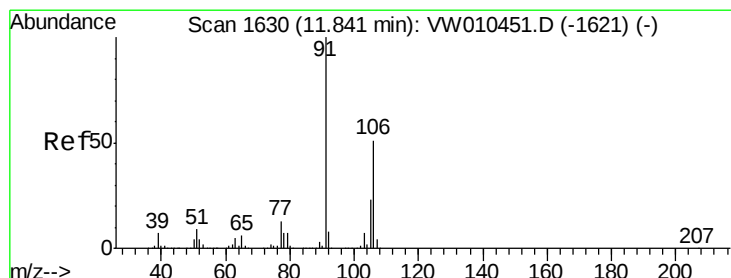
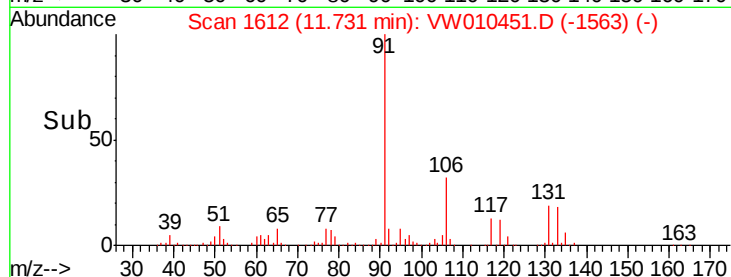
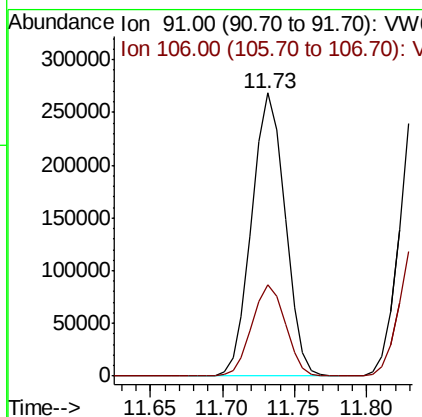
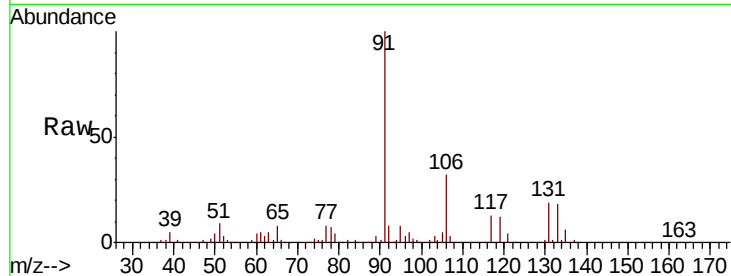




#67
Ethyl Benzene
Concen: 52.236 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

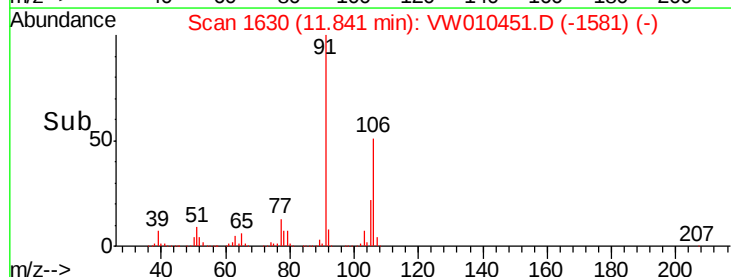
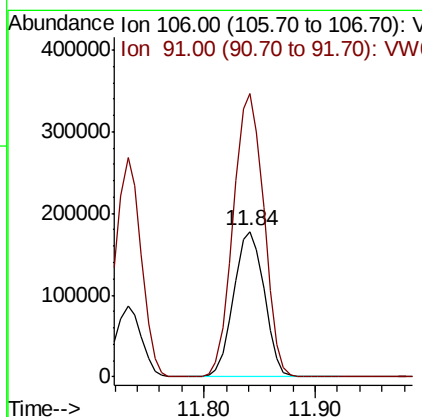
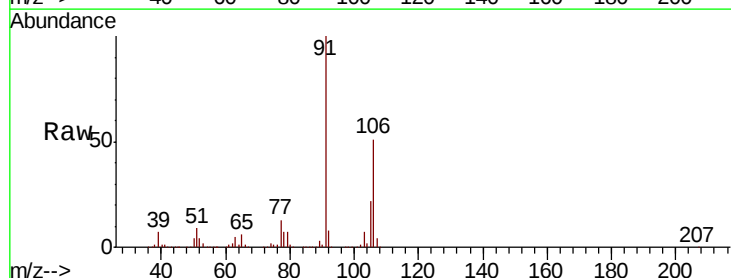
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

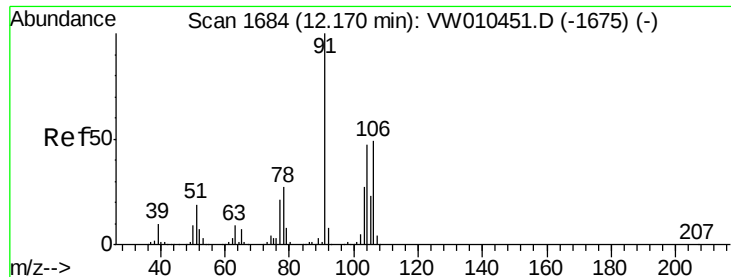
Tot Ion: 91 Resp: 431294
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 104.806 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 106 Resp: 338881
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0

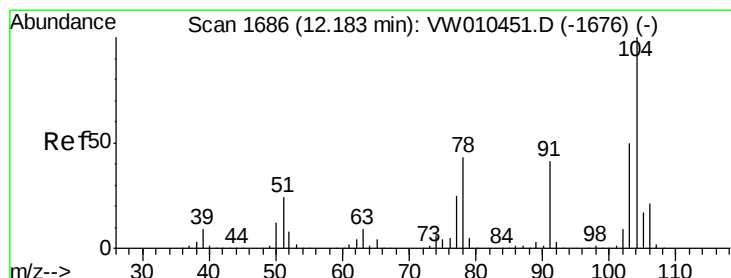
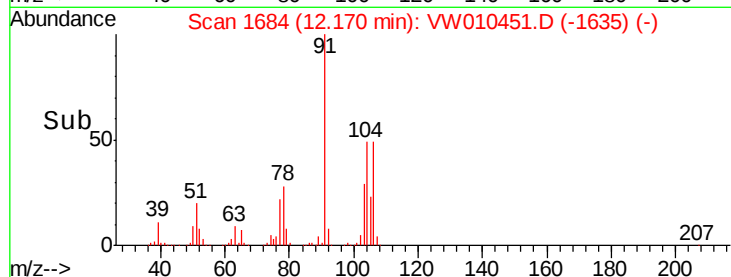
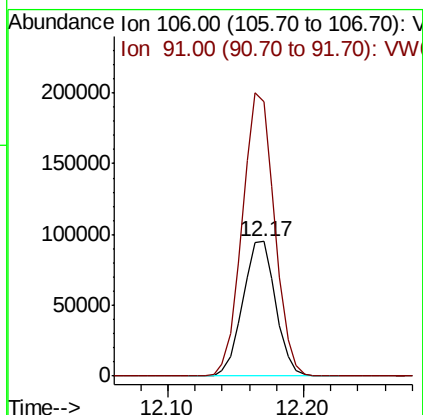
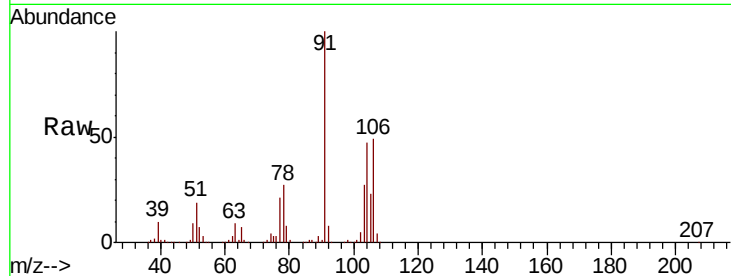




#69
o-Xylene
Concen: 52.154 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

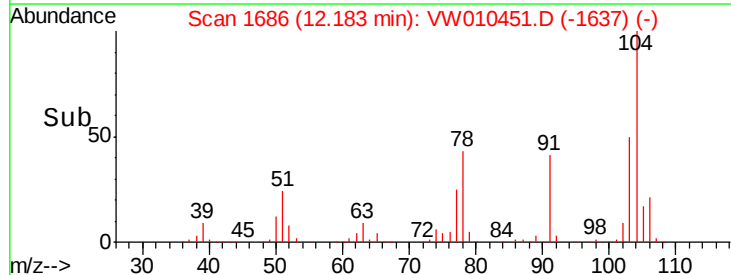
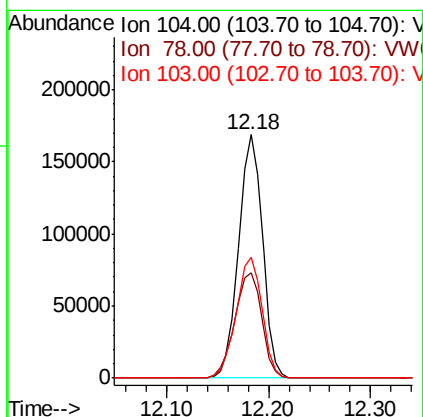
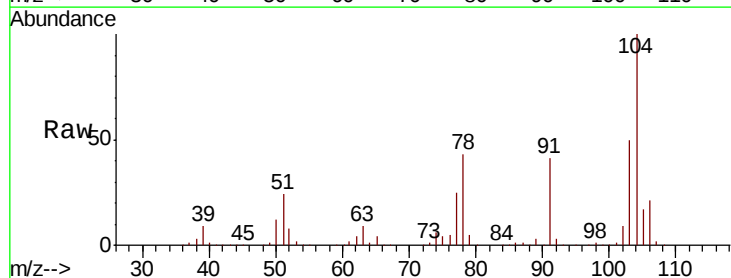
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

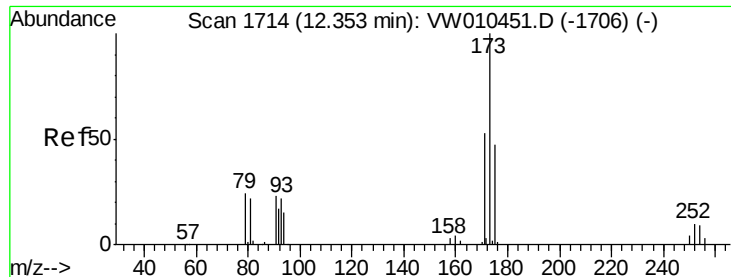
Tot Ion:106 Resp: 160431
Ion Ratio Lower Upper
106 100
91 206.3 103.2 309.4



#70
Styrene
Concen: 51.730 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:104 Resp: 273556
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 53.8 43.0 64.6





#71

Bromoform

Concen: 50.574 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

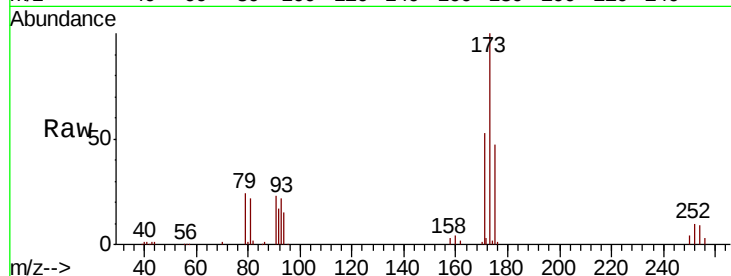
Tot Ion:173 Resp: 48433

Ion Ratio Lower Upper

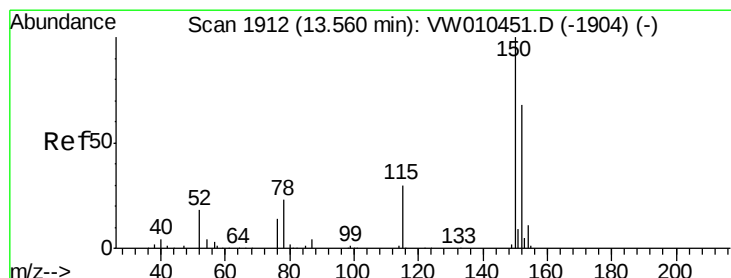
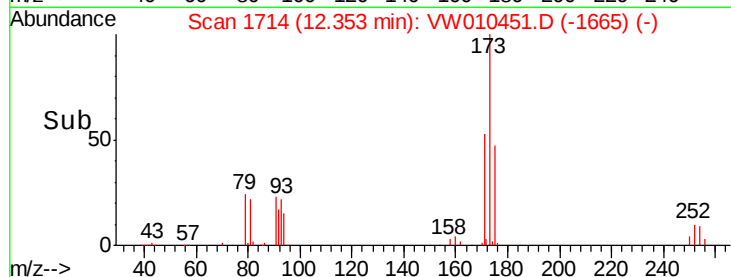
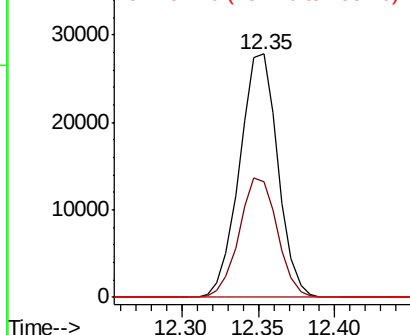
173 100

175 48.9 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: VW010451.D

Acq: 20 May 2019 16:28

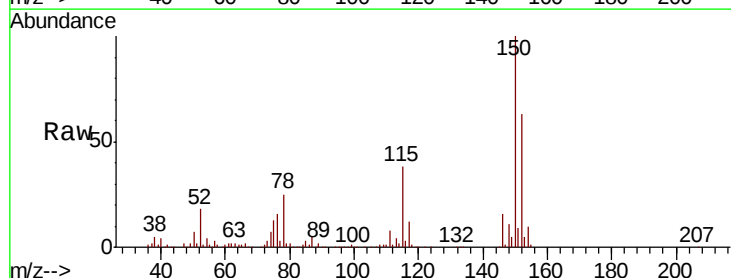
Tgt Ion:152 Resp: 111008

Ion Ratio Lower Upper

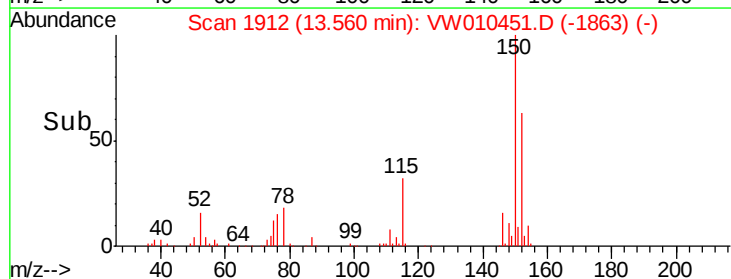
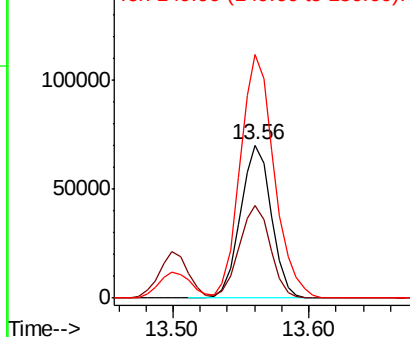
152 100

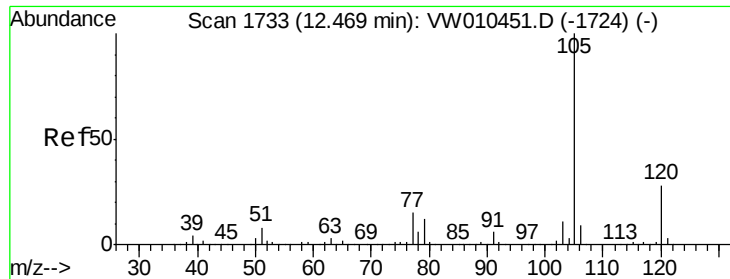
115 60.7 30.3 91.0

150 174.9 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.362 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

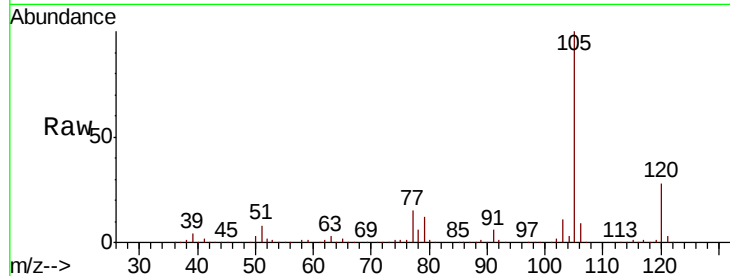
VSTDICCC050

Tot Ion:105 Resp: 438927

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

250000

200000

150000

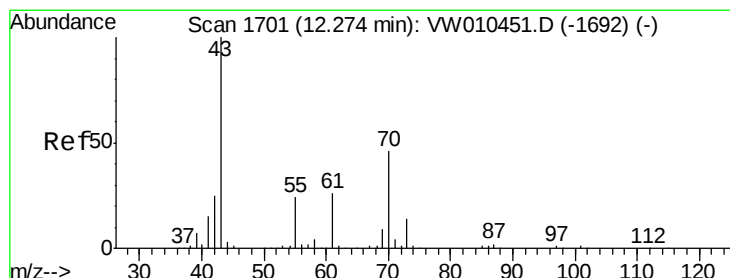
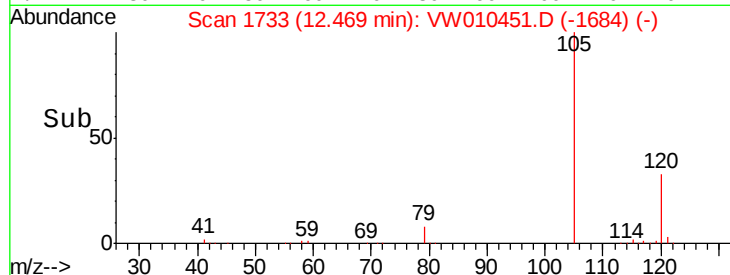
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 45.067 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Tgt Ion: 43 Resp: 98348

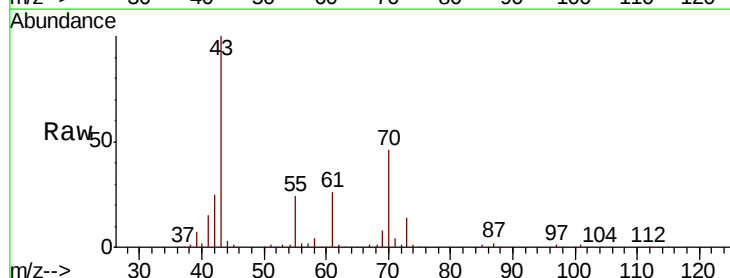
Ion Ratio Lower Upper

43 100

70 46.4 37.1 55.7

55 24.5 19.6 29.4

61 25.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

100000

80000

60000

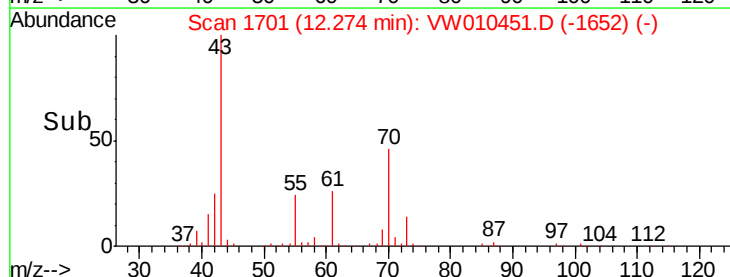
40000

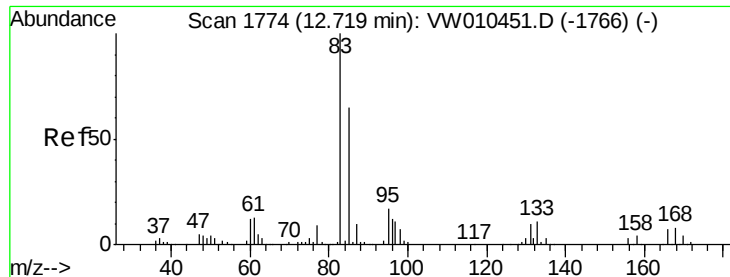
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 45.689 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

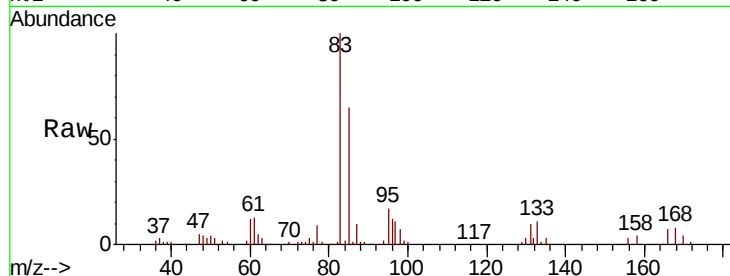
Tot Ion: 83 Resp: 77203

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

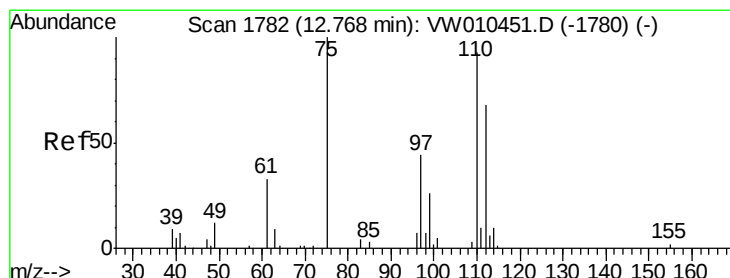
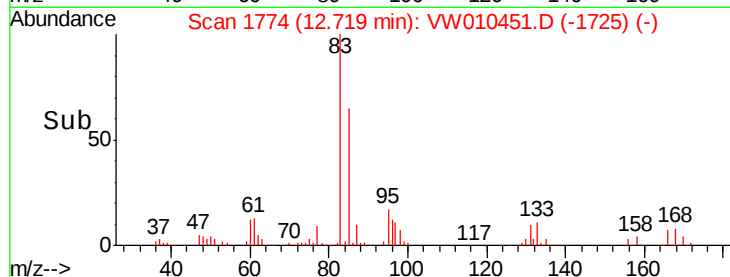
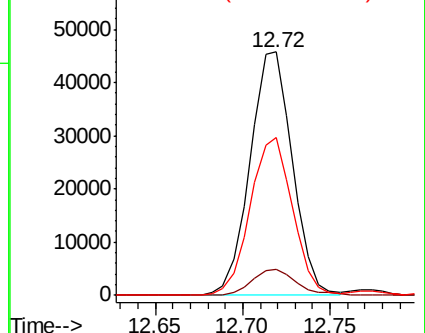
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.171 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010451.D

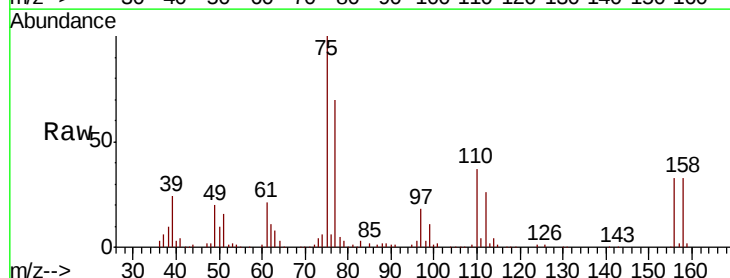
Acq: 20 May 2019 16:28

Tgt Ion: 75 Resp: 100340

Ion Ratio Lower Upper

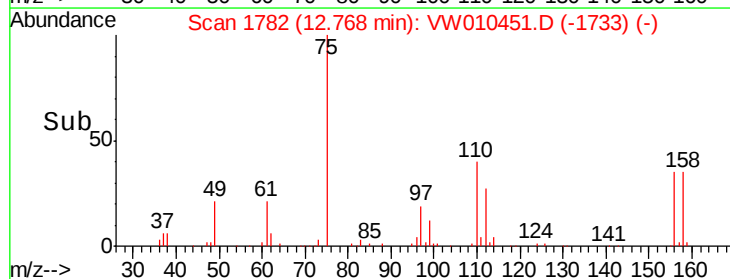
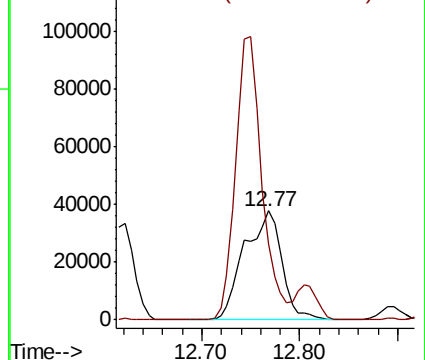
75 100

77 182.8 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.535 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

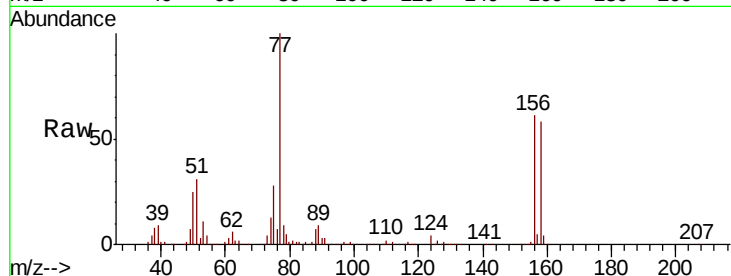
Tot Ion:156 Resp: 99236

Ion Ratio Lower Upper

156 100

77 184.8 92.4 277.2

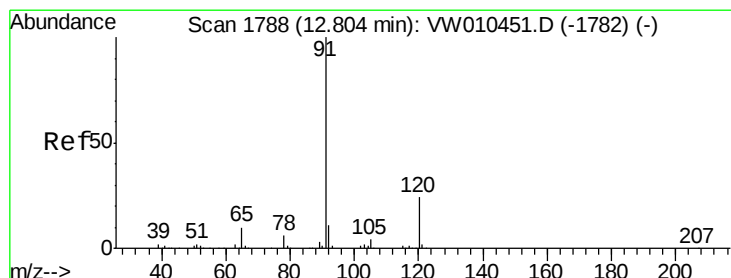
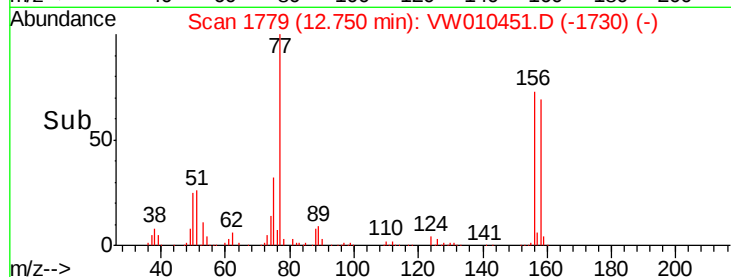
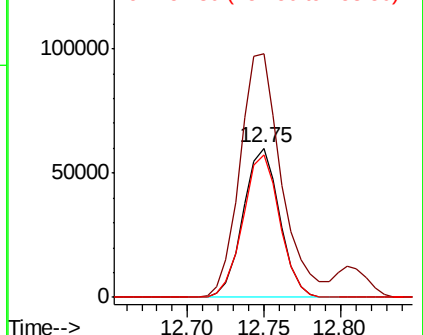
158 96.5 48.3 144.8



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: 50.197 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010451.D

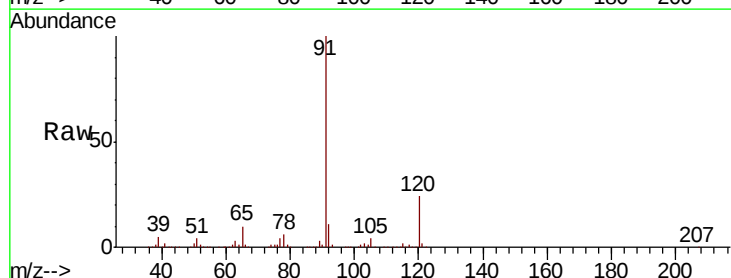
Acq: 20 May 2019 16:28

Tgt Ion: 91 Resp: 506171

Ion Ratio Lower Upper

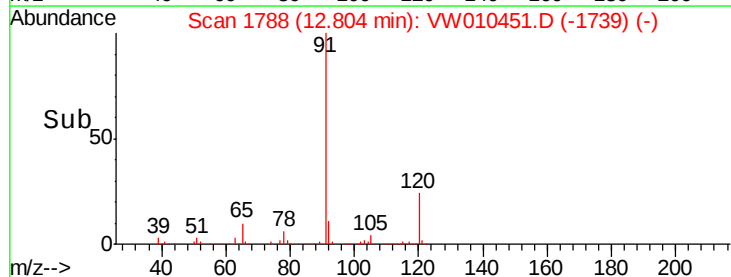
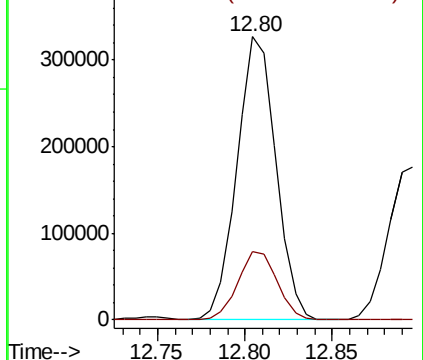
91 100

120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

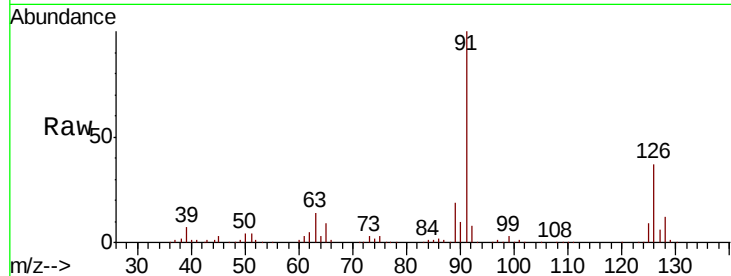




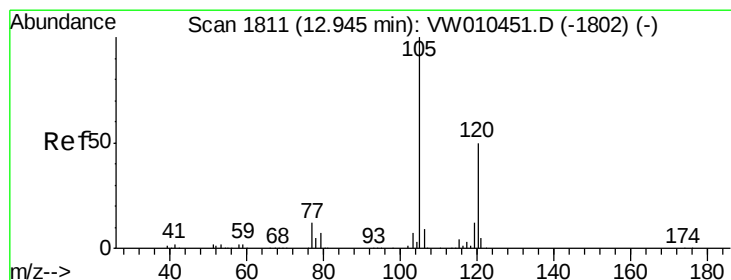
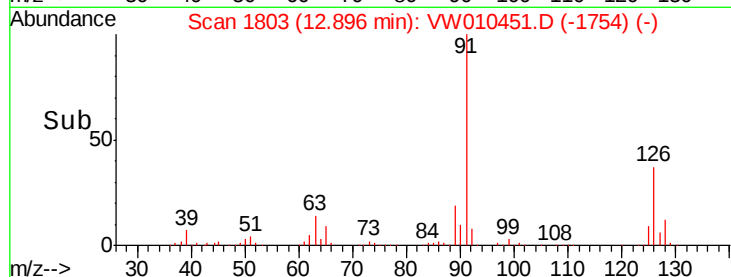
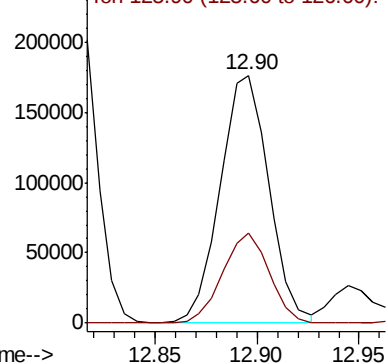
#79
2-Chlorotoluene
Concen: 49.784 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 292909
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

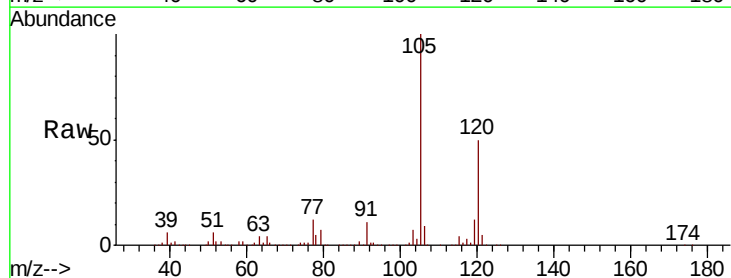


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

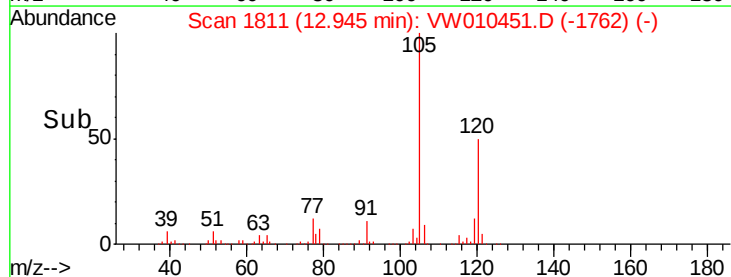
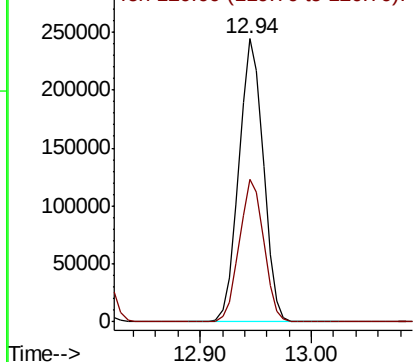


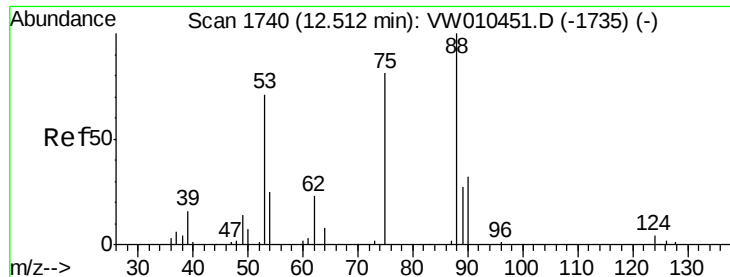
#80
1,3,5-Trimethylbenzene
Concen: 50.328 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:105 Resp: 372450
Ion Ratio Lower Upper
105 100
120 50.4 25.2 75.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.710 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

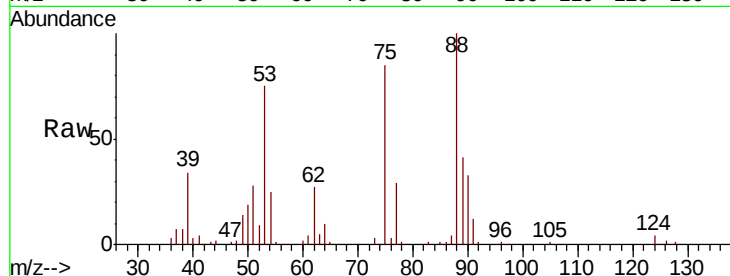
Tot Ion: 75 Resp: 26689

Ion Ratio Lower Upper

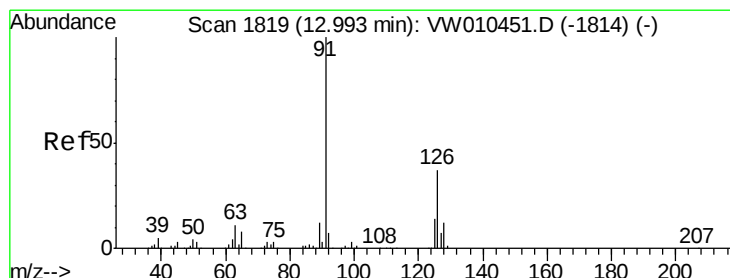
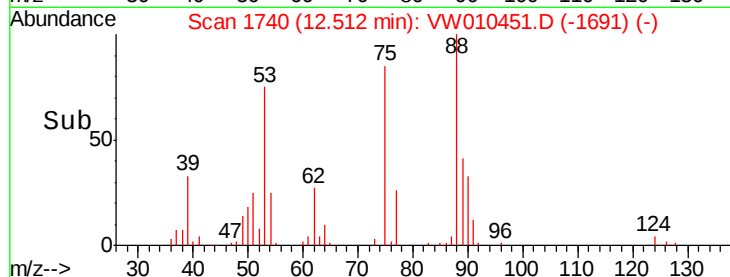
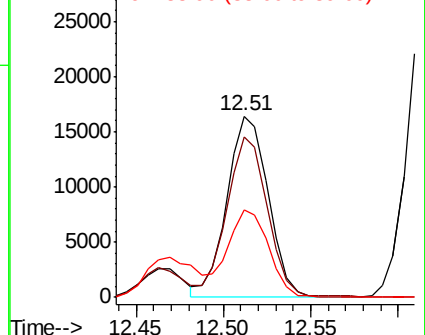
75 100

53 87.3 69.8 104.8

89 49.4 39.5 59.3



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



#82

4-Chlorotoluene

Concen: 49.641 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010451.D

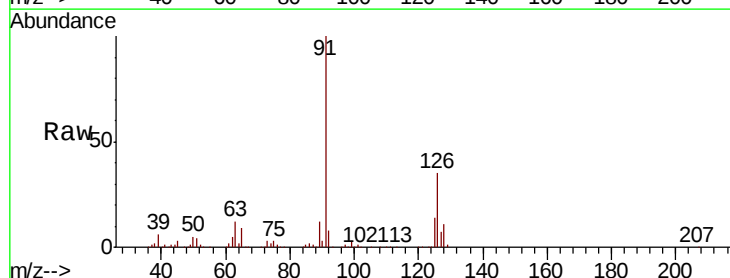
Acq: 20 May 2019 16:28

Tgt Ion: 91 Resp: 304463

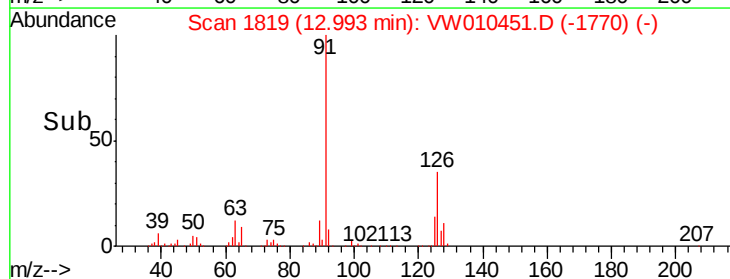
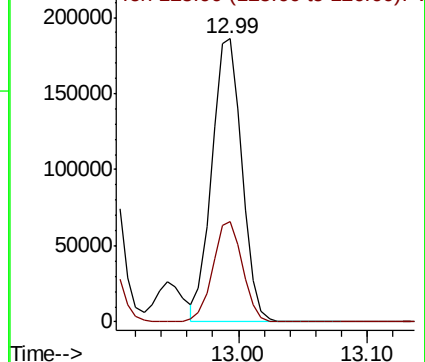
Ion Ratio Lower Upper

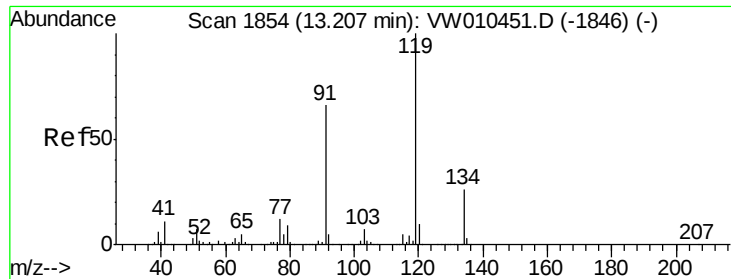
91 100

126 35.1 17.5 52.6



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

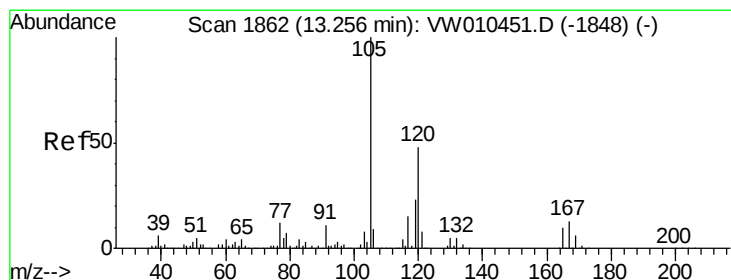
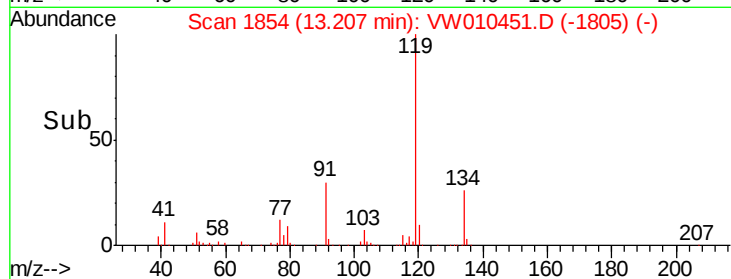
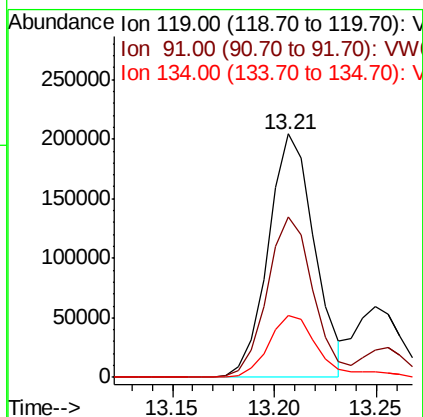
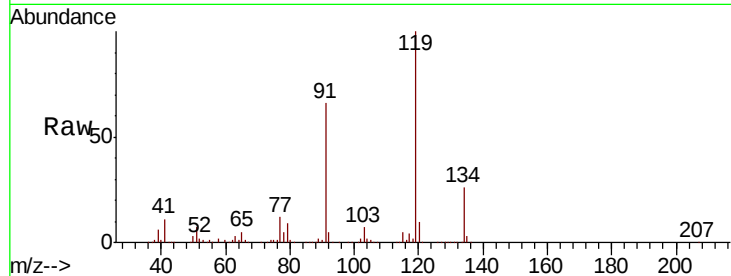




#83
tert-Butylbenzene
Concen: 51.485 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

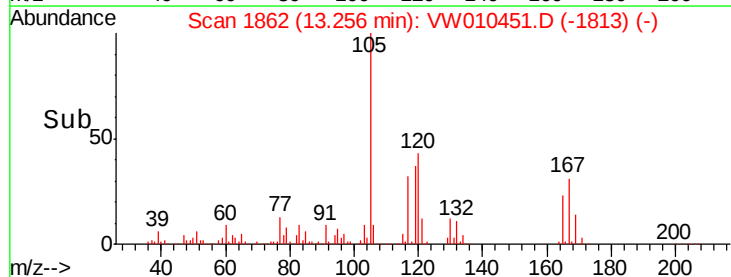
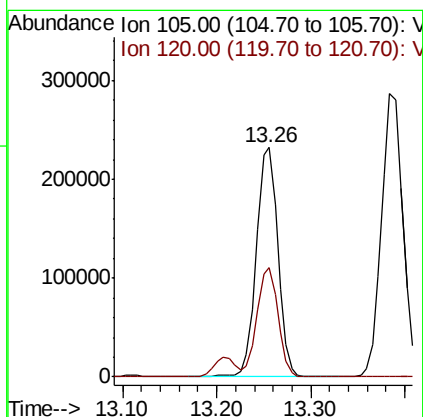
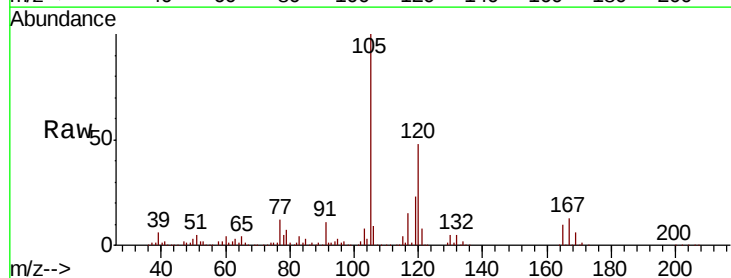
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

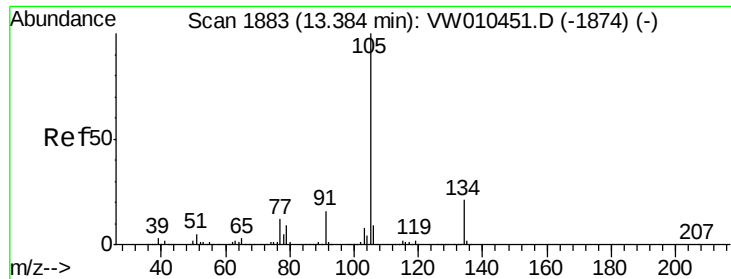
Tot Ion:119 Resp: 323105
Ion Ratio Lower Upper
119 100
91 66.3 33.1 99.5
134 27.7 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 50.880 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion:105 Resp: 371183
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2





#85

sec-Butylbenzene

Concen: 51.262 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

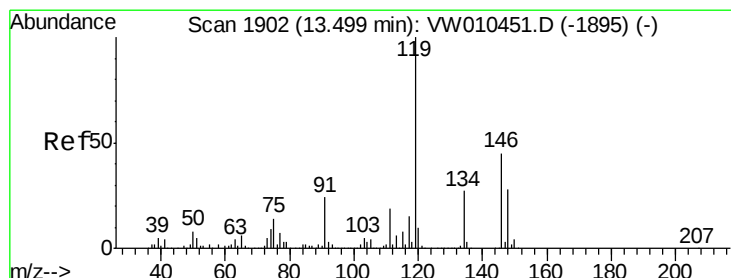
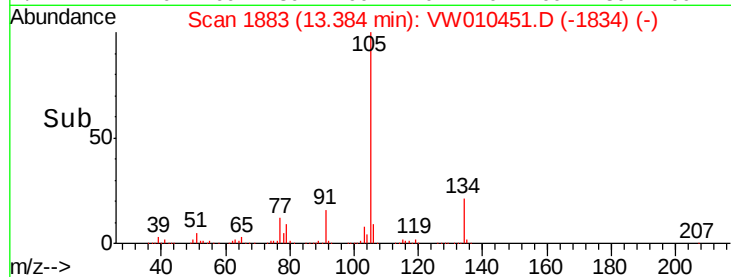
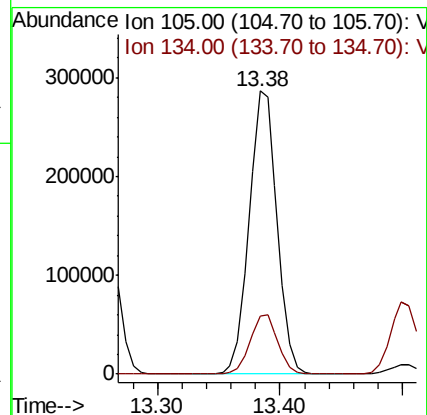
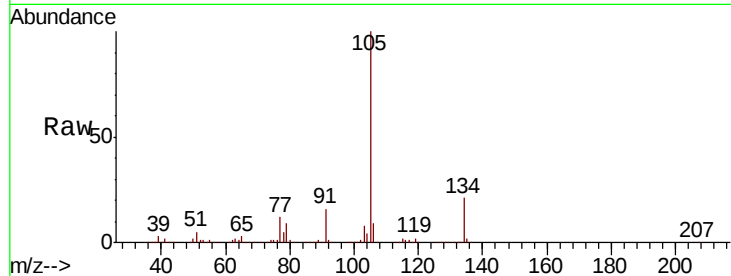
VSTDICCC050

Tot Ion:105 Resp: 452505

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



#86

p-Isopropyltoluene

Concen: 51.825 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

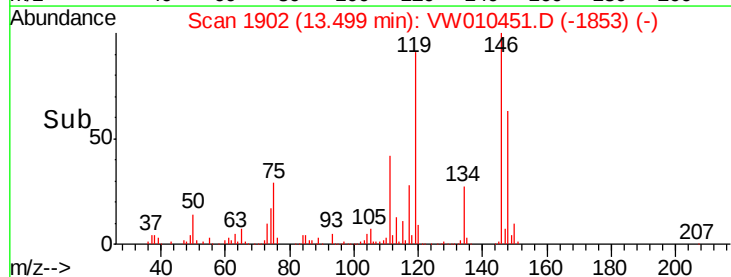
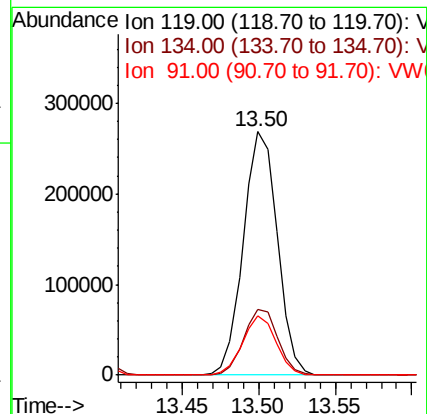
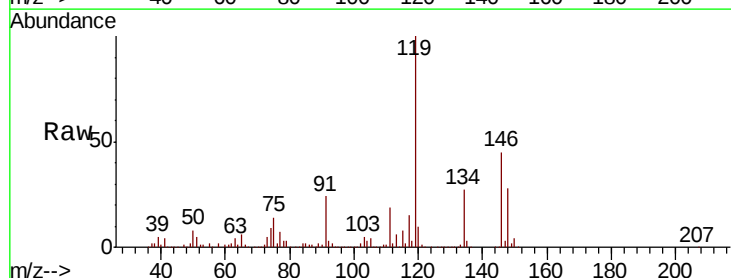
Tgt Ion:119 Resp: 414261

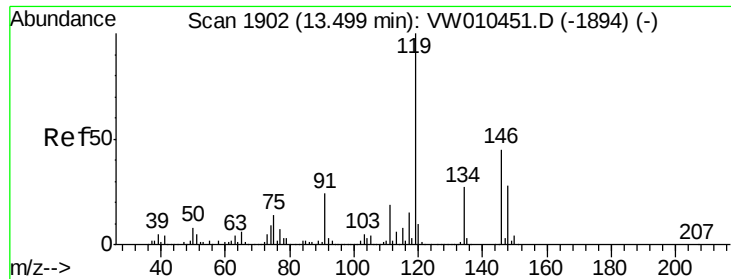
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 23.8 11.9 35.7

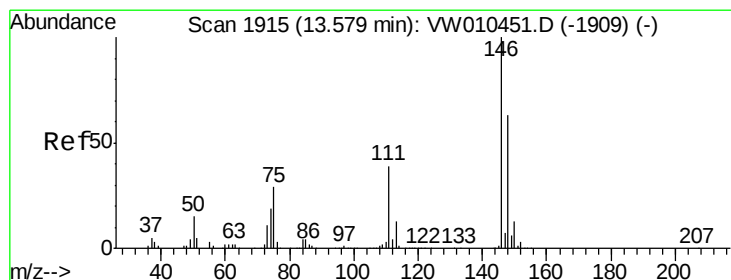
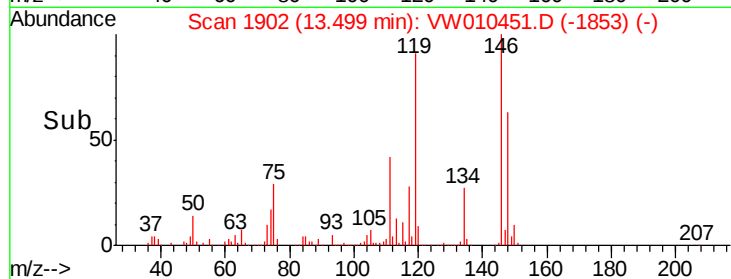
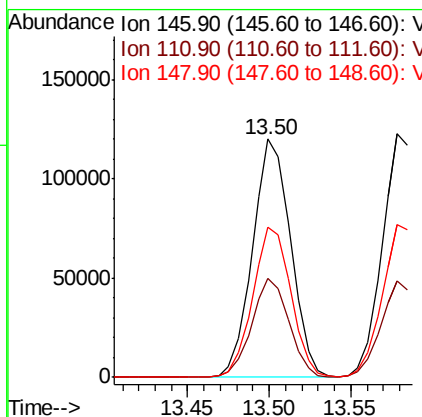
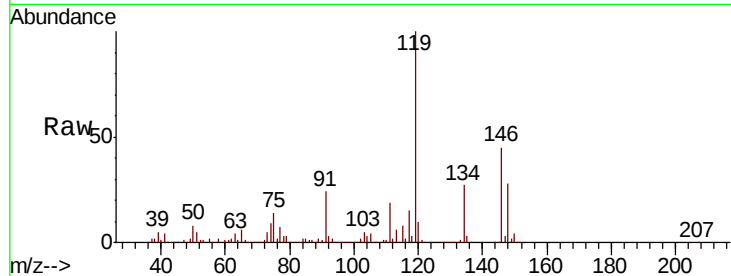




#87
 1,3-Dichlorobenzene
 Concen: 51.367 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

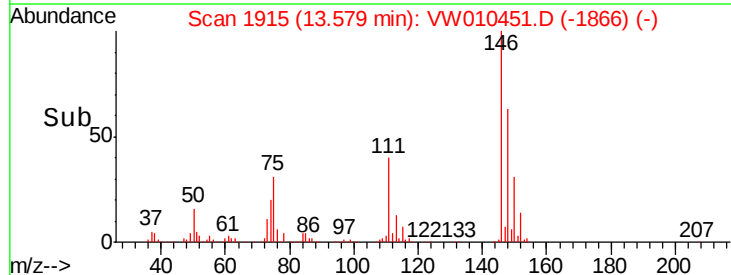
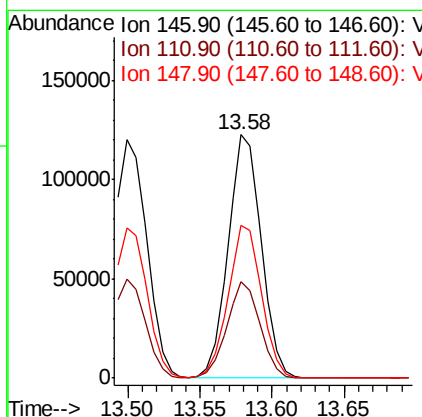
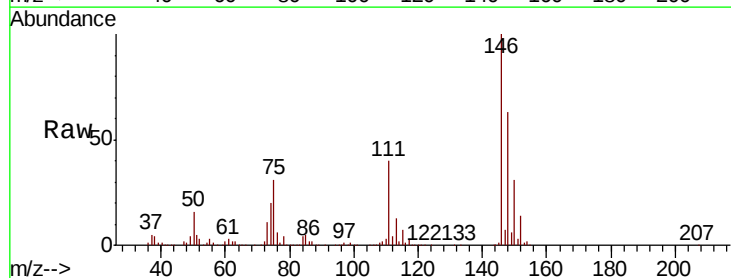
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

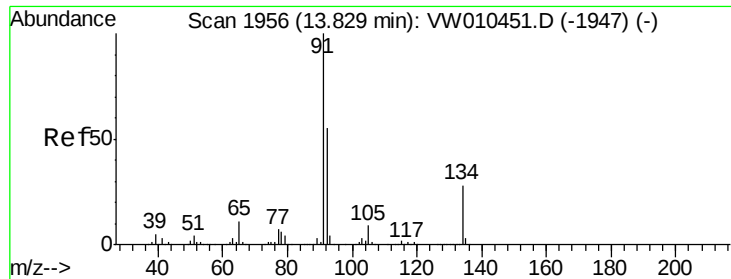
Tot Ion:146 Resp: 194423
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.3 60.9
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 52.303 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion:146 Resp: 197573
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 63.2 31.6 94.8

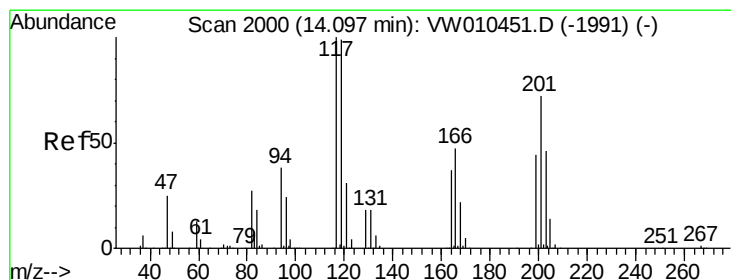
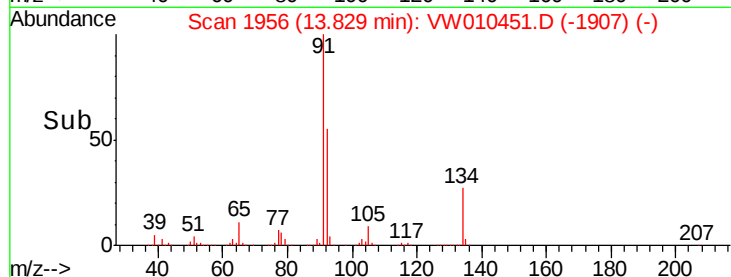
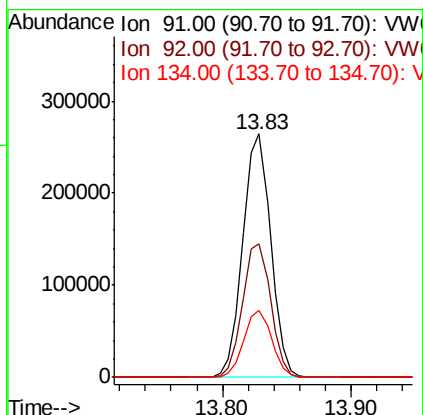
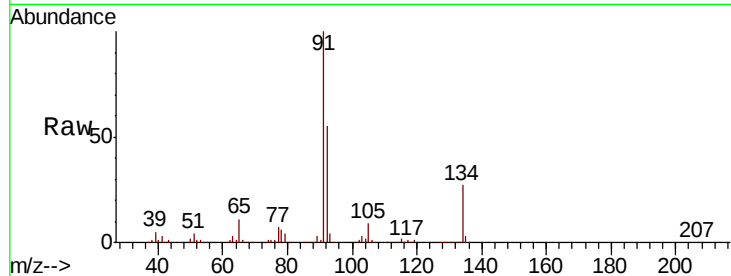




#89
n-Butylbenzene
Concen: 51.885 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

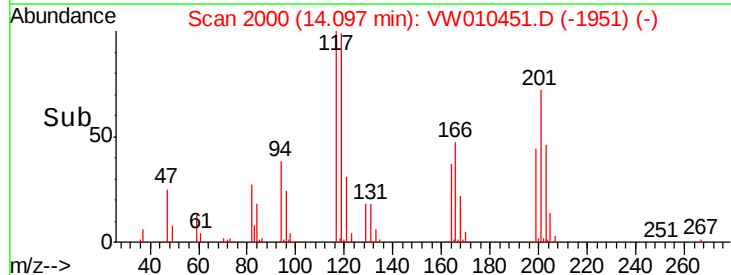
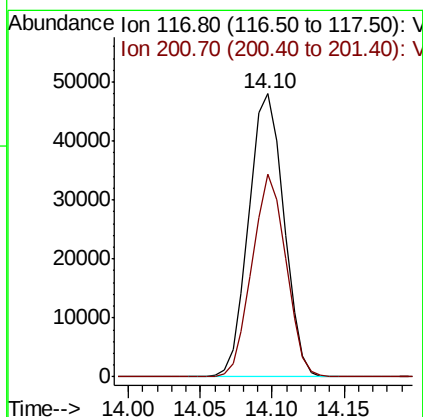
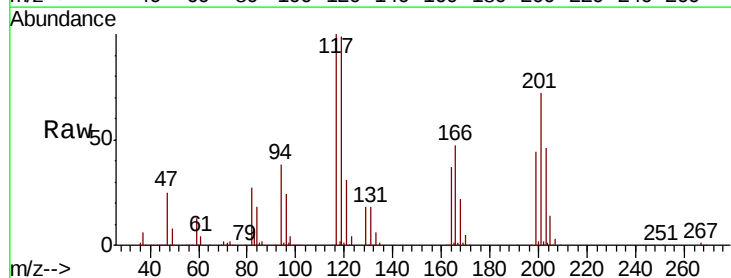
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

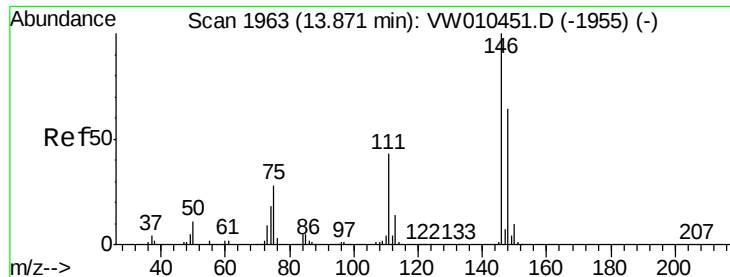
Tot Ion: 91 Resp: 395174
Ion Ratio Lower Upper
91 100
92 55.4 27.7 83.1
134 27.7 13.9 41.6



#90
Hexachloroethane
Concen: 50.667 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion: 117 Resp: 81121
Ion Ratio Lower Upper
117 100
201 69.2 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 51.513 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

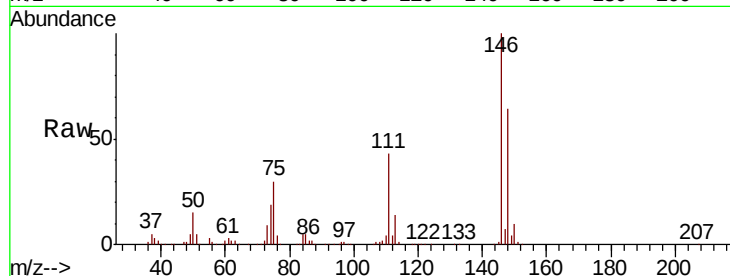
Tot Ion:146 Resp: 176580

Ion Ratio Lower Upper

146 100

111 42.7 21.3 64.0

148 64.0 32.0 96.0

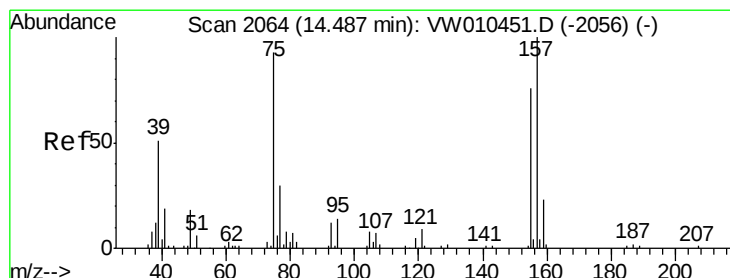
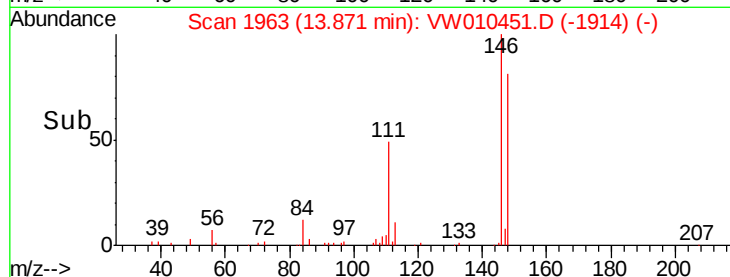
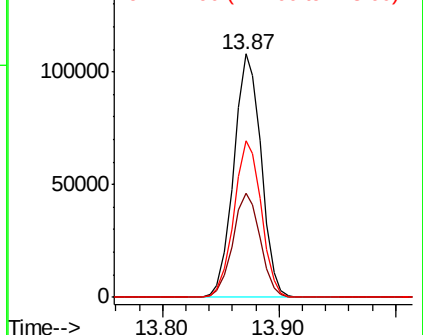


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.215 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

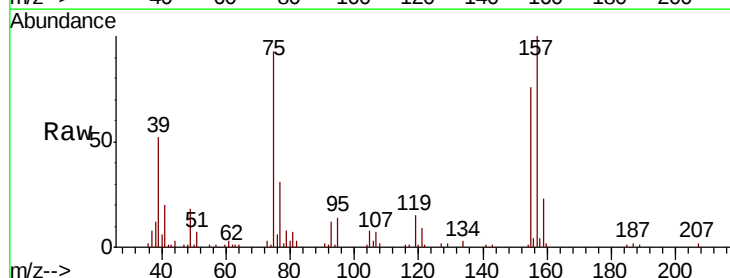
Tgt Ion: 75 Resp: 14564

Ion Ratio Lower Upper

75 100

155 86.0 43.0 129.0

157 111.4 55.7 167.1

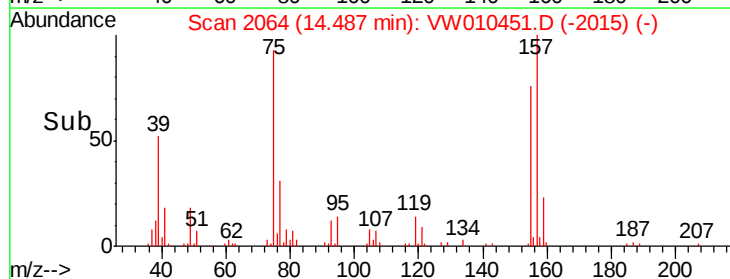
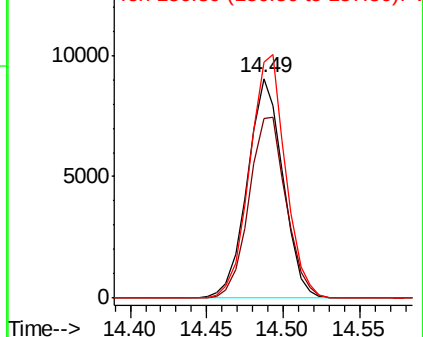


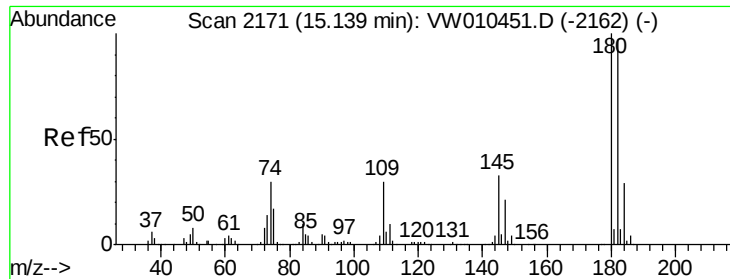
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

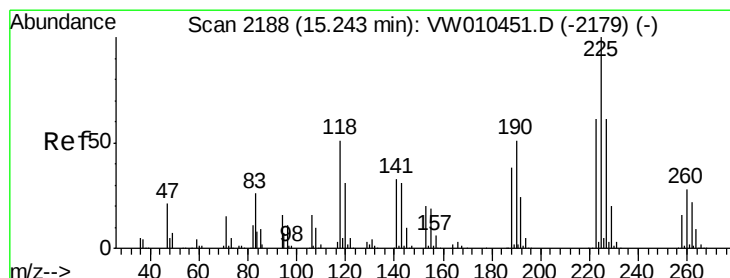
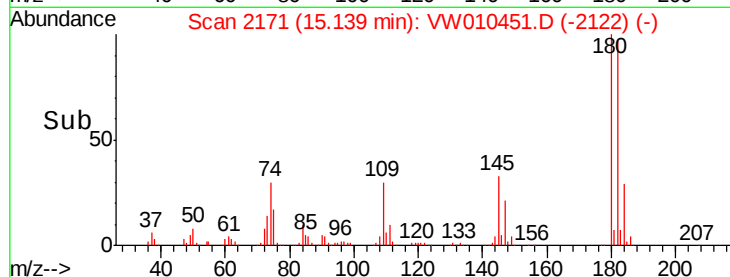
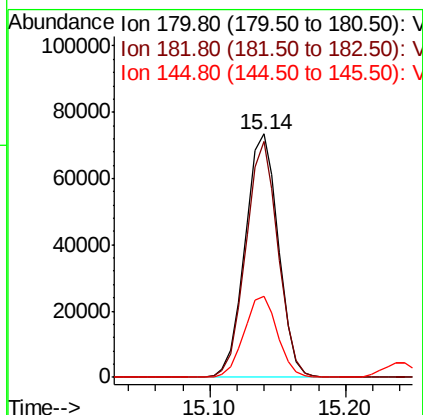
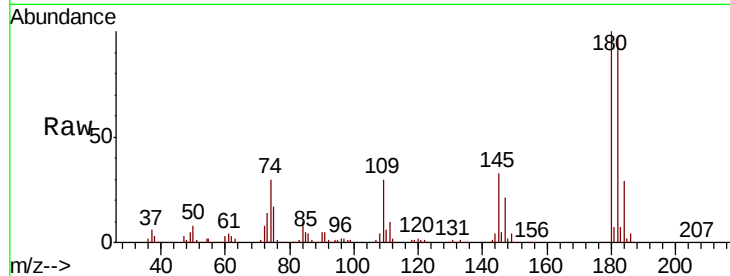




#93
 1,2,4-Trichlorobenzene
 Concen: 55.595 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

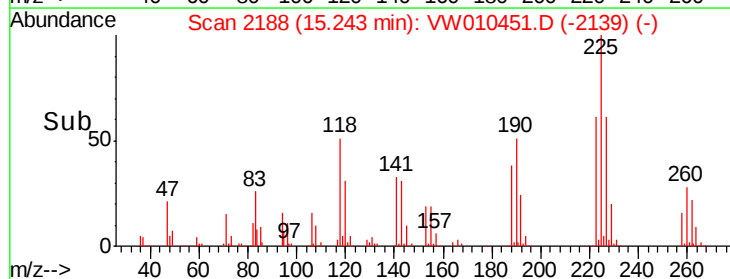
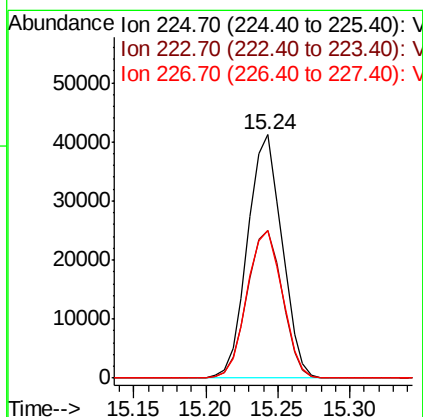
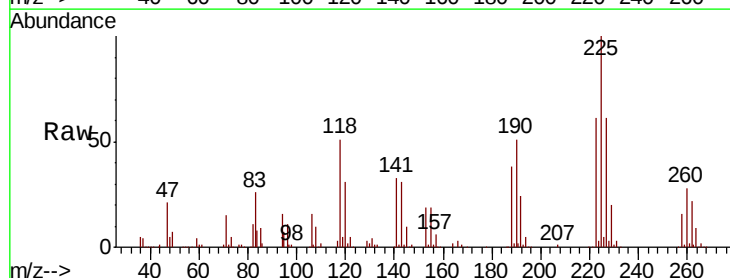
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

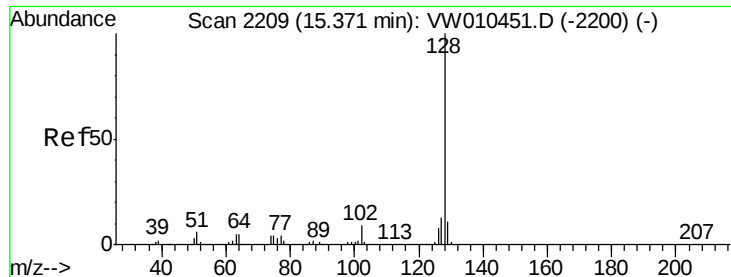
Tot Ion:180 Resp: 125880
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.0 141.2
 145 33.3 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 56.012 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010451.D
 Acq: 20 May 2019 16:28

Tgt Ion:225 Resp: 68040
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 62.3 31.1 93.5

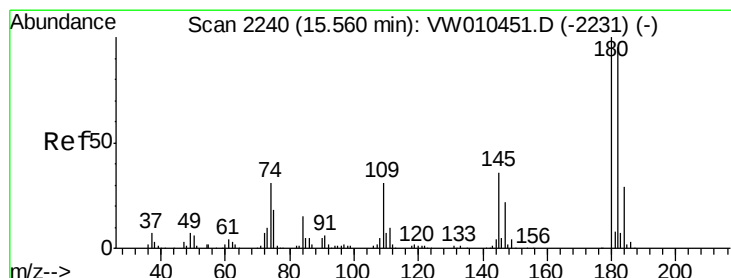
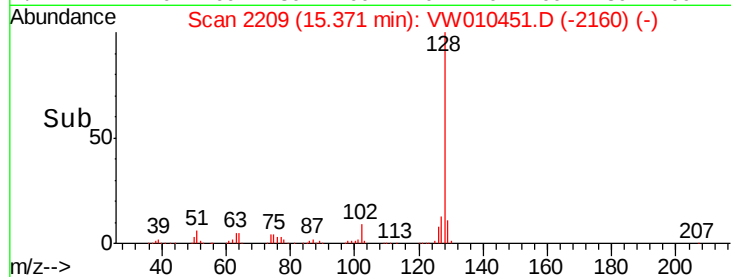
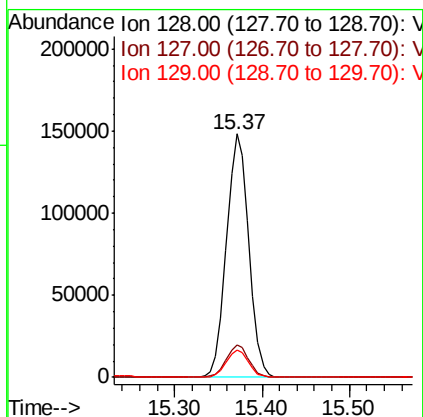
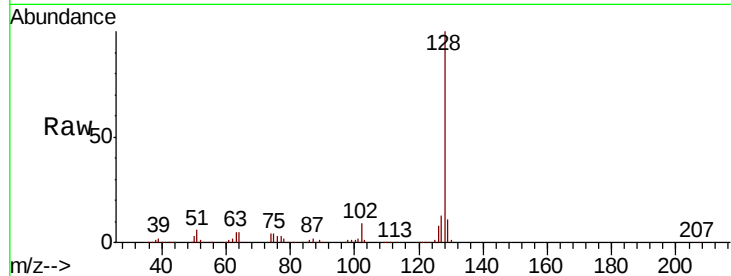




#95
Naphthalene
Concen: 51.823 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.1	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 54.571 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010451.D
Acq: 20 May 2019 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	34.9	17.4	52.3

