

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010452.D
 Acq On : 20 May 2019 16:54
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: May 21 06:29:39 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	146862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	254668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110846	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	150484	95.09	ug/l	0.00
Spiked Amount			Recovery	=	190.18%	
35) Dibromofluoromethane	7.88	113	156393	100.18	ug/l	0.00
Spiked Amount			Recovery	=	200.36%	
50) Toluene-d8	10.32	98	588127	100.71	ug/l	0.00
Spiked Amount			Recovery	=	201.42%	
62) 4-Bromofluorobenzene	12.62	95	224756	97.98	ug/l	0.00
Spiked Amount			Recovery	=	195.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	129479	102.935	ug/l	98
3) Chloromethane	2.21	50	150872	88.895	ug/l	98
4) Vinyl Chloride	2.36	62	175676	98.186	ug/l	97
5) Bromomethane	2.74	94	113320	108.313	ug/l	98
6) Chloroethane	2.90	64	112996	100.906	ug/l	97
7) Trichlorofluoromethane	3.25	101	260488	104.642	ug/l	99
8) Diethyl Ether	3.68	74	83790	96.382	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160398	101.878	ug/l	100
10) Methyl Iodide	4.26	142	202228	113.388	ug/l	98
11) Tert butyl alcohol	5.17	59	66093	462.521	ug/l	100
12) 1,1-Dichloroethene	4.03	96	153852	103.071	ug/l	99
13) Acrolein	3.89	56	39371	368.053	ug/l	98
14) Allyl chloride	4.67	41	221560	96.936	ug/l	100
15) Acrylonitrile	5.37	53	172124	468.625	ug/l	99
16) Acetone	4.12	43	146483	502.385	ug/l	100
17) Carbon Disulfide	4.37	76	463645	107.101	ug/l	99
18) Methyl Acetate	4.67	43	71841	82.596	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	394639	94.430	ug/l	98
20) Methylene Chloride	4.92	84	169663	96.293	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	175409	101.075	ug/l	100
22) Diisopropyl ether	6.31	45	457283	94.554	ug/l	98
23) Vinyl Acetate	6.26	43	1421772	475.499	ug/l	99
24) 1,1-Dichloroethane	6.21	63	273927	96.962	ug/l	98
25) 2-Butanone	7.17	43	223992	471.428	ug/l	99
26) 2,2-Dichloropropane	7.17	77	251533	97.751	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	189433	97.964	ug/l	100
28) Bromochloromethane	7.51	49	101971	98.118	ug/l	99
29) Tetrahydrofuran	7.52	42	148443	461.724	ug/l	99
30) Chloroform	7.68	83	293396	98.649	ug/l	99
31) Cyclohexane	7.95	56	266424	93.372	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	276854	98.521	ug/l	98
36) 1,1-Dichloropropene	8.08	75	229123	99.900	ug/l	100
37) Ethyl Acetate	7.25	43	98773	92.131	ug/l	98
38) Carbon Tetrachloride	8.07	117	251950	101.781	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	311971	101.542	ug/l	99
40) Benzene	8.32	78	648804	99.419	ug/l	100
41) Methacrylonitrile	7.48	41	59231	94.823	ug/l	98
42) 1,2-Dichloroethane	8.40	62	185477	96.426	ug/l	99
43) Isopropyl Acetate	8.43	43	201466	92.820	ug/l	99
44) Trichloroethene	9.09	130	191942	102.281	ug/l	100
45) 1,2-Dichloropropane	9.37	63	155197	97.984	ug/l	100
46) Dibromomethane	9.46	93	92687	99.446	ug/l	99
47) Bromodichloromethane	9.65	83	229704	98.722	ug/l	100
48) Methyl methacrylate	9.43	41	92804	92.503	ug/l	97
49) 1,4-Dioxane	9.45	88	28300	2051.313	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	510556	459.220	ug/l	99
52) Toluene	10.39	92	435209	100.422	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	233257	97.582	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267441	98.393	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	130466	97.043	ug/l	99
56) Ethyl methacrylate	10.65	69	180728	96.266	ug/l	99
57) 1,3-Dichloropropane	10.93	76	217939	96.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	410541	469.569	ug/l	100
59) 2-Hexanone	10.97	43	363377	467.913	ug/l	99
60) Dibromochloromethane	11.13	129	169434	101.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	132902	97.344	ug/l	99
64) Tetrachloroethene	10.86	164	155961	103.787	ug/l	98
65) Chlorobenzene	11.66	112	473877	102.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	171531	100.705	ug/l	100
67) Ethyl Benzene	11.73	91	822338	100.765	ug/l	99
68) m/p-Xylenes	11.84	106	651146	203.742	ug/l	100
69) o-Xylene	12.17	106	308915	101.601	ug/l	100
70) Styrene	12.18	104	535609	102.473	ug/l	100
71) Bromoform	12.35	173	100214	105.871	ug/l #	99
73) Isopropylbenzene	12.47	105	839657	96.483	ug/l	100
74) N-amyl acetate	12.27	43	201958	92.681	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	152984	90.669	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	198025	168.333	ug/l	23
77) Bromobenzene	12.75	156	193695	98.781	ug/l	98
78) n-propylbenzene	12.80	91	974947	96.827	ug/l	100
79) 2-Chlorotoluene	12.90	91	560669	95.433	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	712260	96.386	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	53934	90.483	ug/l	98
82) 4-Chlorotoluene	12.99	91	585532	95.608	ug/l	100
83) tert-Butylbenzene	13.21	119	636947	101.642	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	701001	96.231	ug/l	100
85) sec-Butylbenzene	13.38	105	859427	97.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	777163	97.366	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	367894	97.341	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	373792	99.097	ug/l	100
89) n-Butylbenzene	13.83	91	740649	97.387	ug/l	100
90) Hexachloroethane	14.10	117	156274	97.749	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	340490	99.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28270	89.838	ug/l	97

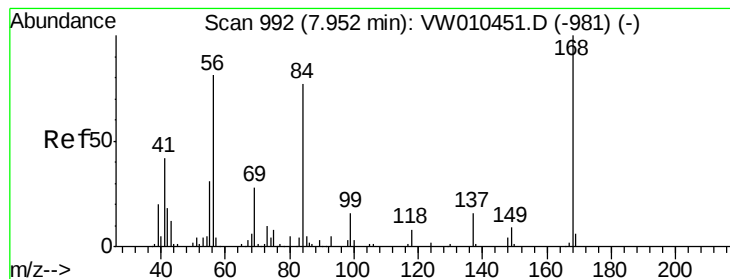
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	232894	103.008	ug/l	99
94) Hexachlorobutadiene	15.24	225	127266	104.921	ug/l	98
95) Naphthalene	15.37	128	494736	98.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	200289	100.793	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

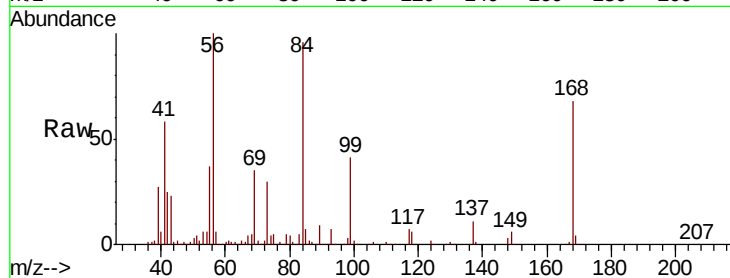
VSTDIC100

Tot Ion:168 Resp: 146862

Ion Ratio Lower Upper

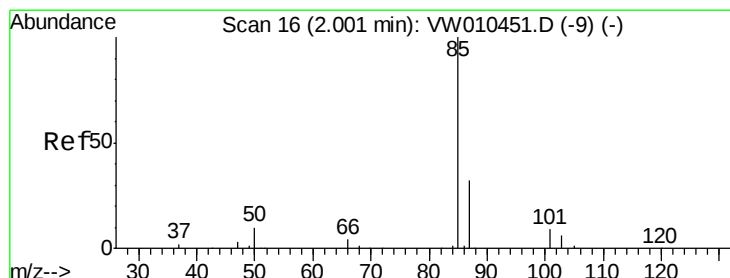
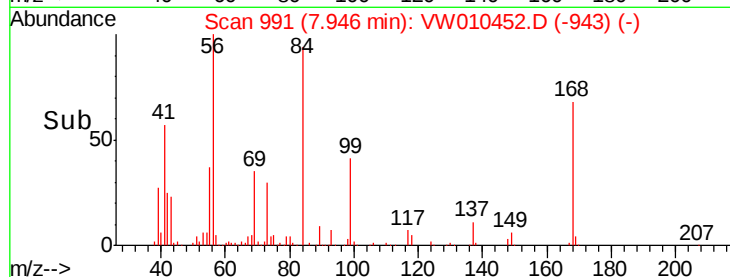
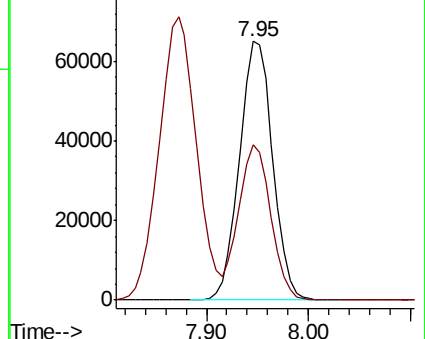
168 100

99 60.3 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: 102.935 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010452.D

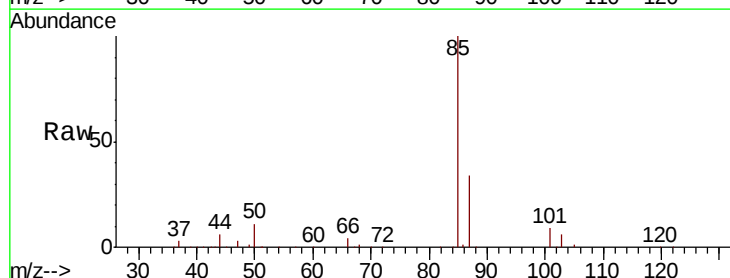
Acq: 20 May 2019 16:54

Tgt Ion: 85 Resp: 129479

Ion Ratio Lower Upper

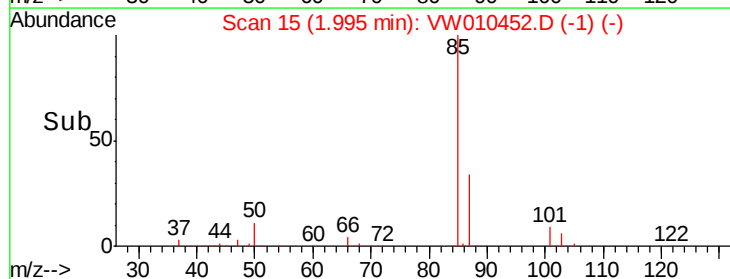
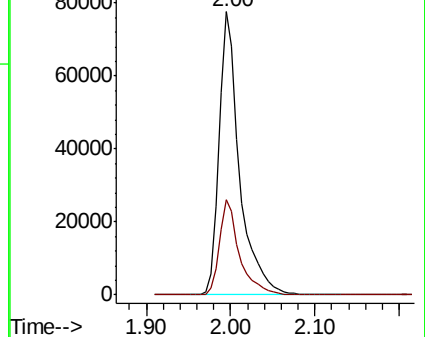
85 100

87 33.6 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: 88.895 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

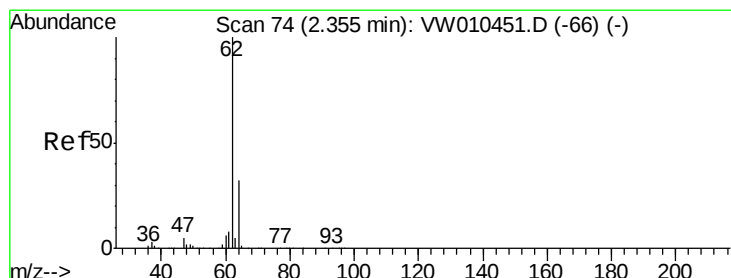
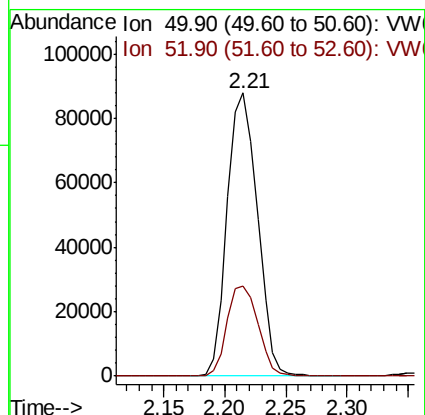
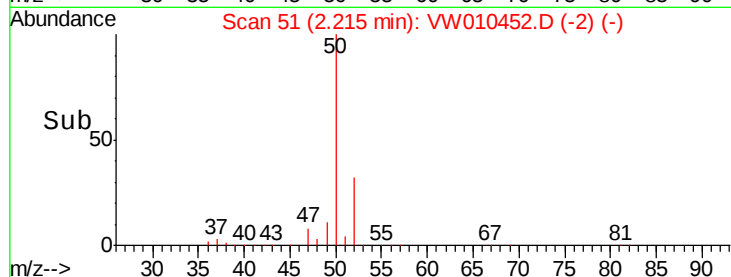
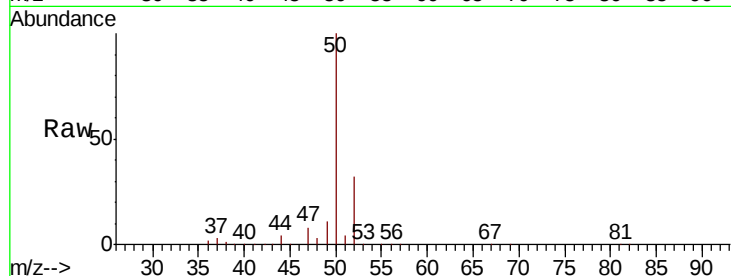
VSTDIC100

Tot Ion: 50 Resp: 150872

Ion Ratio Lower Upper

50 100

52 32.0 26.3 39.5



#4

Vinyl Chloride

Concen: 98.186 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010452.D

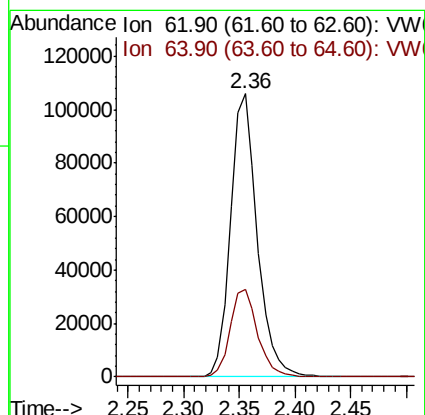
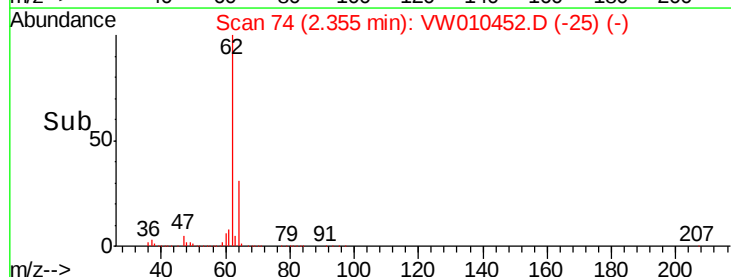
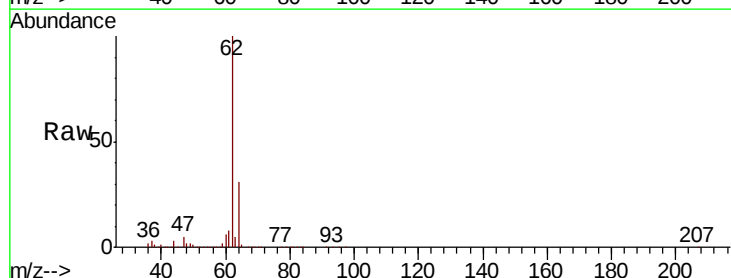
Acq: 20 May 2019 16:54

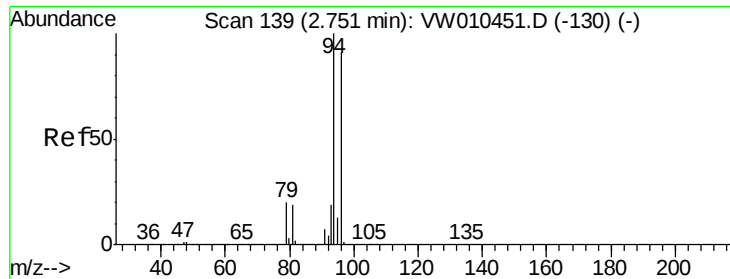
Tgt Ion: 62 Resp: 175676

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 108.313 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

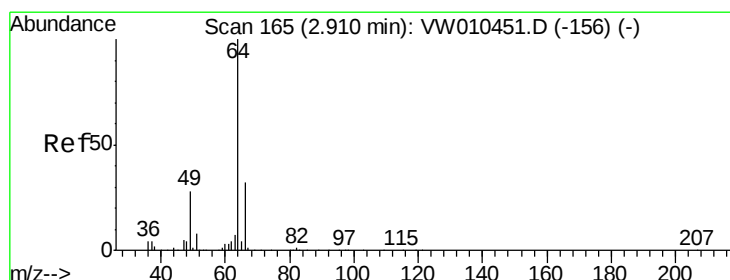
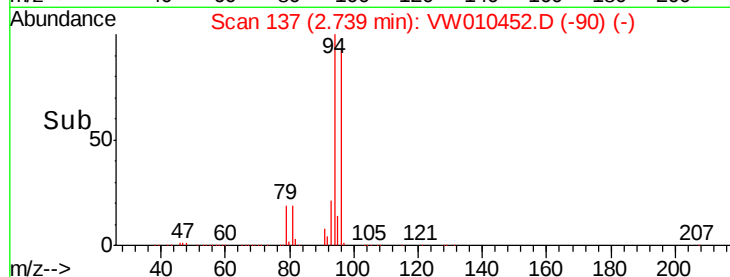
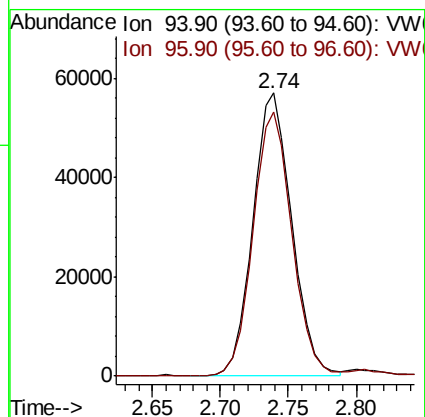
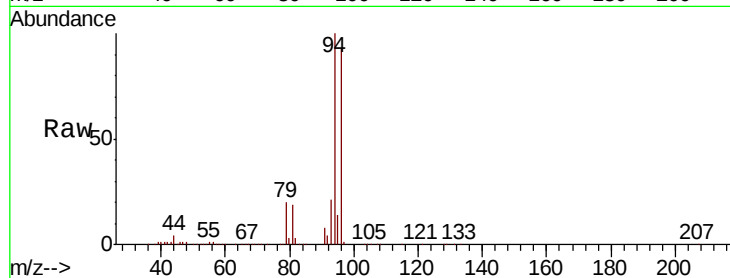
VSTDIC100

Tot Ion: 94 Resp: 113320

Ion Ratio Lower Upper

94 100

96 93.1 72.9 109.3



#6

Chloroethane

Concen: 100.906 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010452.D

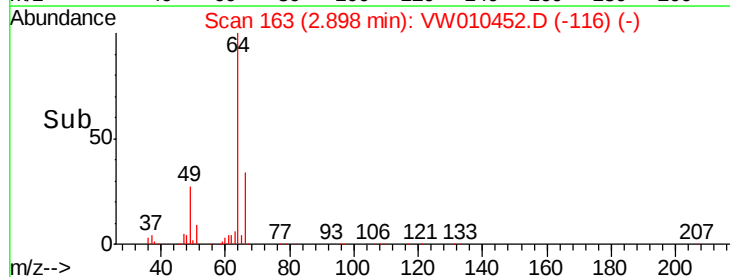
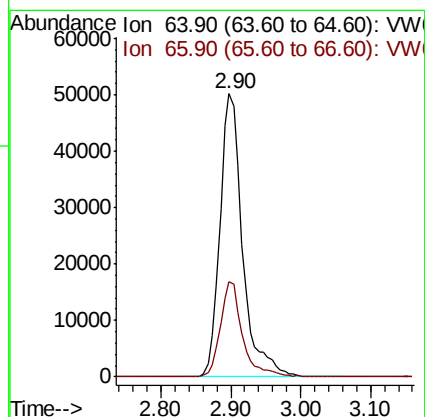
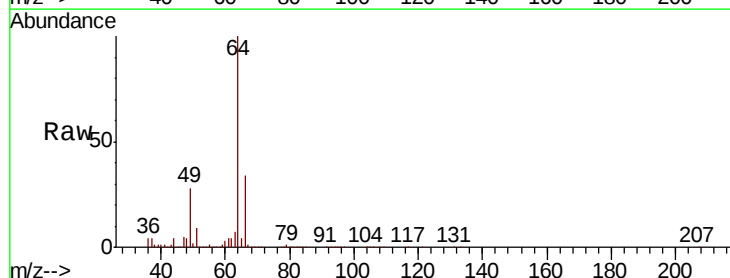
Acq: 20 May 2019 16:54

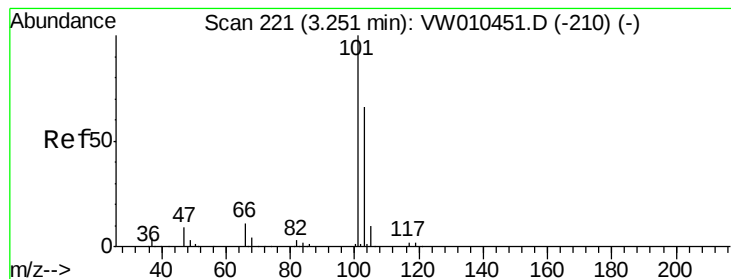
Tgt Ion: 64 Resp: 112996

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



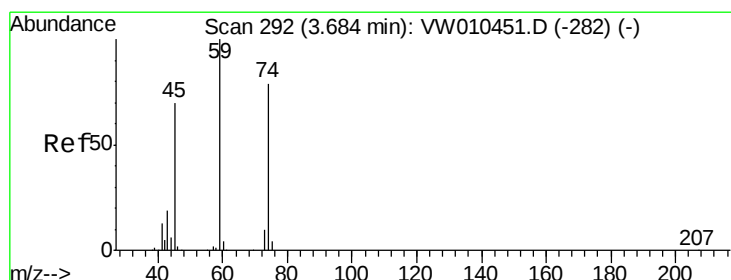
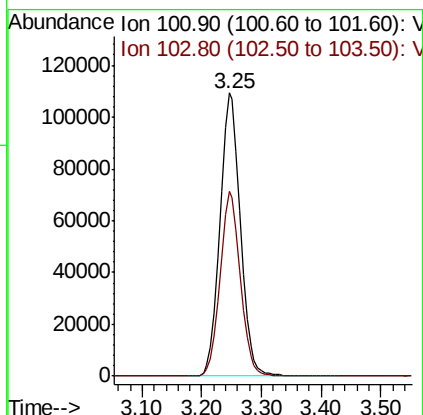
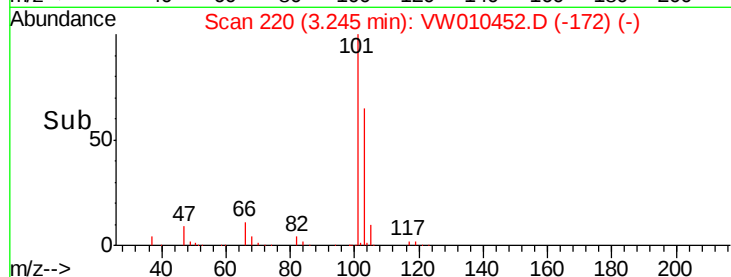
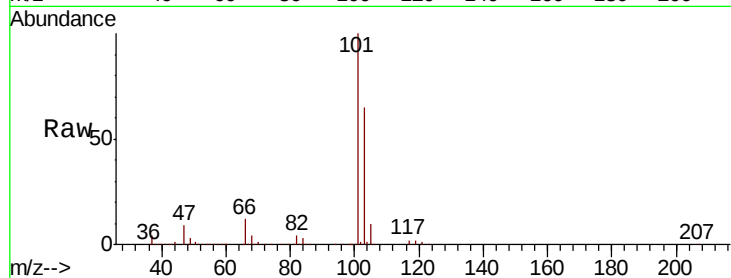


#7

Trichlorofluoromethane
 Concen: 104.642 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
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 ClientSampleId :
 VSTDIC100

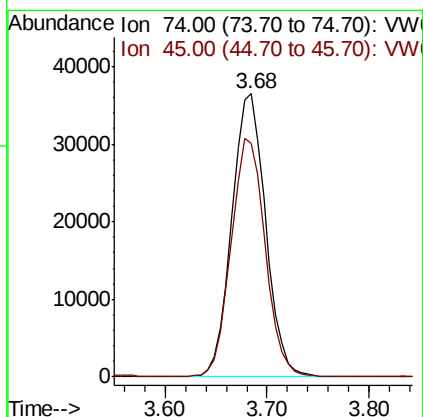
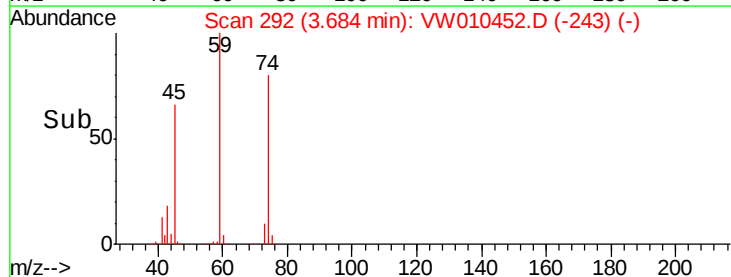
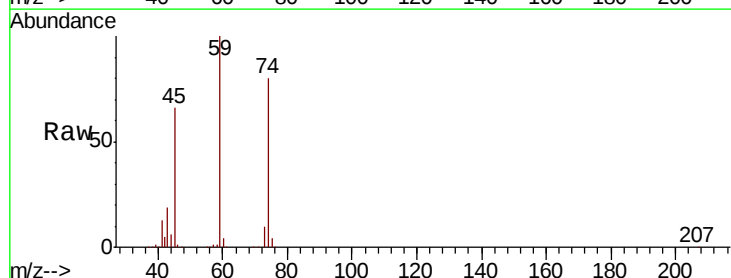
Tot Ion:101 Resp: 260488
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.0 79.4

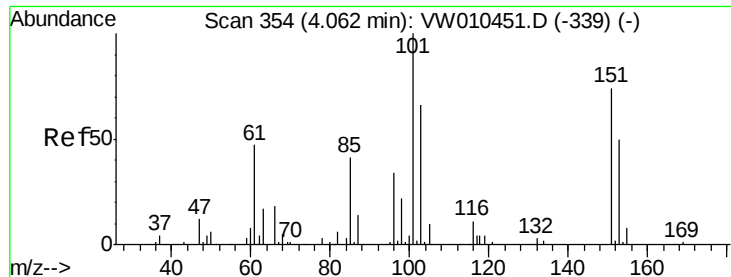


#8

Diethyl Ether
 Concen: 96.382 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 74 Resp: 83790
 Ion Ratio Lower Upper
 74 100
 45 84.8 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.878 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

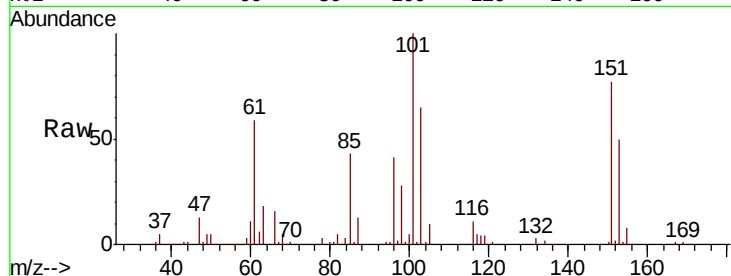
Tot Ion:101 Resp: 160398

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

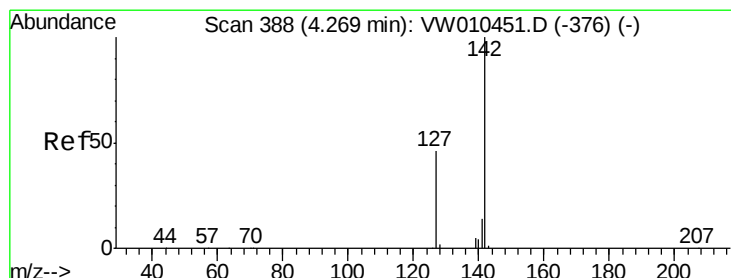
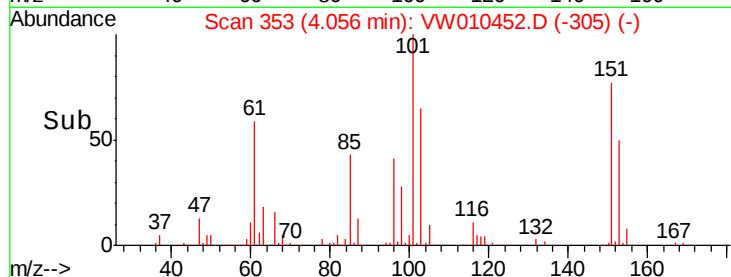
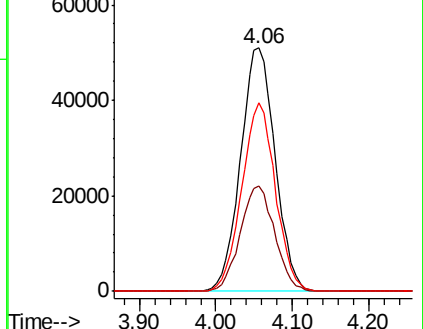
151 75.3 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 113.388 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

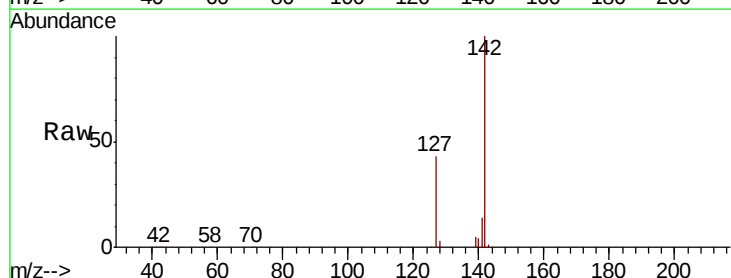
Tgt Ion:142 Resp: 202228

Ion Ratio Lower Upper

142 100

127 43.7 36.1 54.1

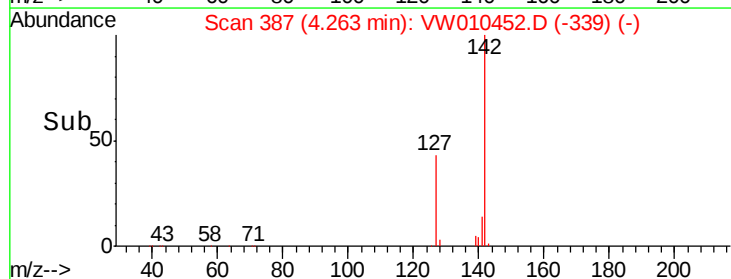
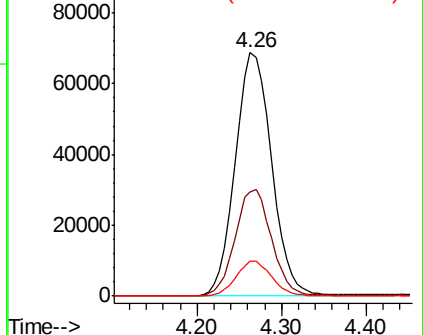
141 14.2 11.3 16.9

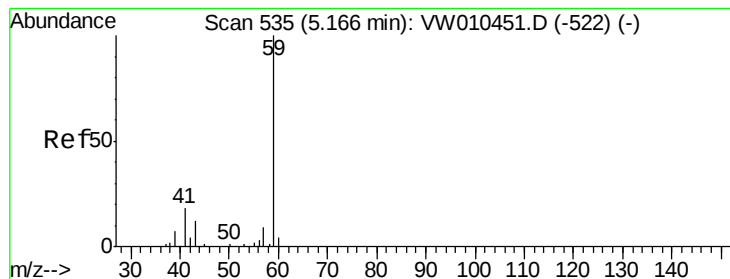


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



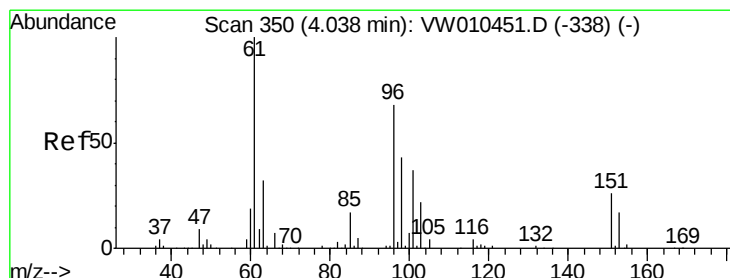
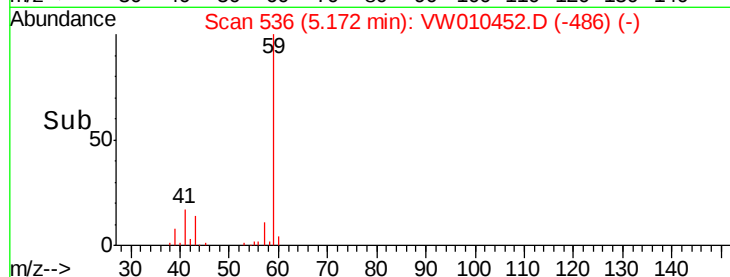
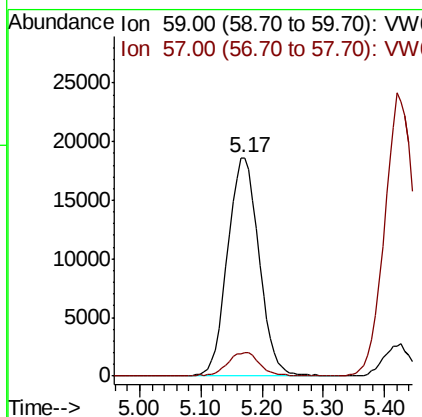
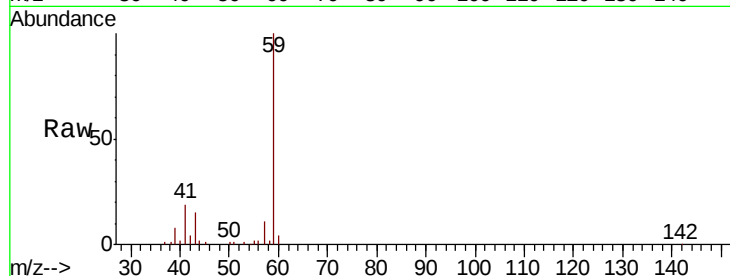


#11

Tert butyl alcohol
 Concen: 462.521 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

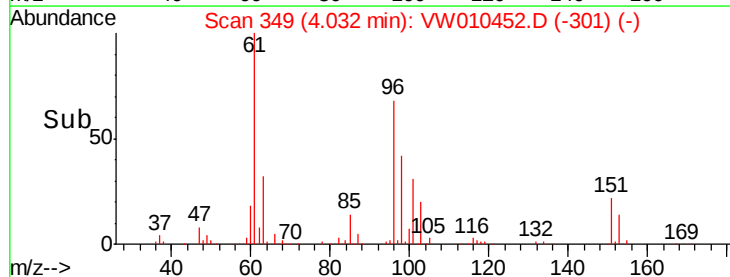
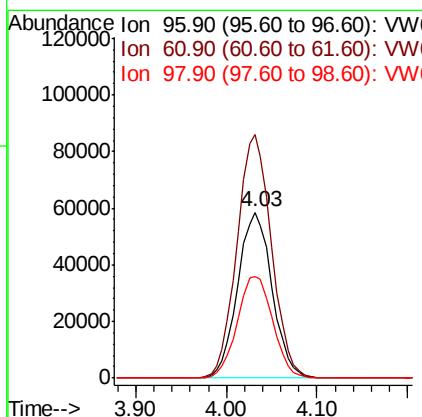
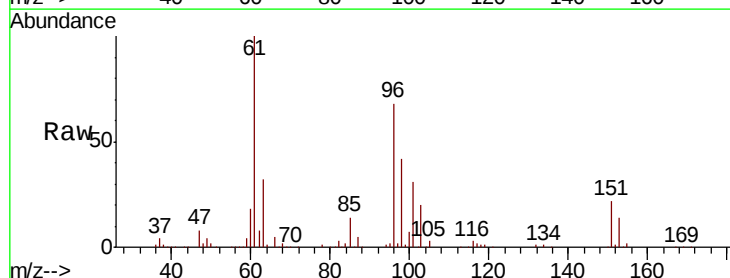
Tot Ion: 59 Resp: 66093
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.8 13.2

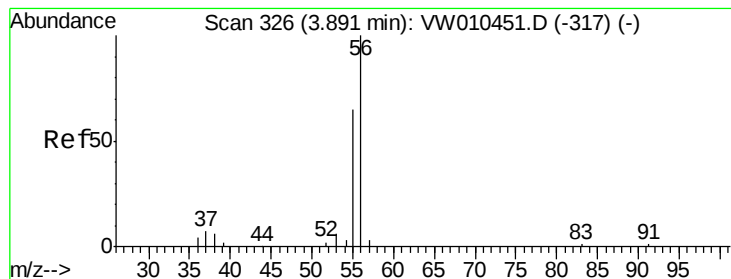


#12

1,1-Dichloroethene
 Concen: 103.071 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 96 Resp: 153852
 Ion Ratio Lower Upper
 96 100
 61 147.0 118.3 177.5
 98 61.6 51.0 76.6





#13

Acrolein

Concen: 368.053 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

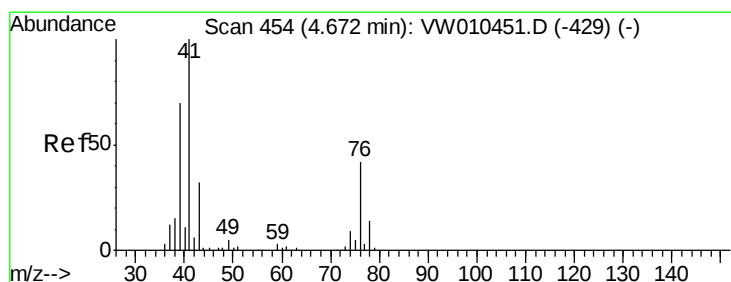
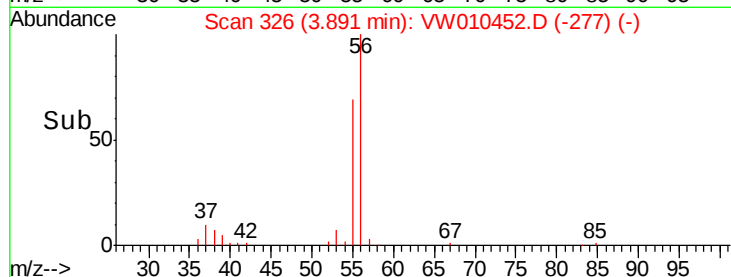
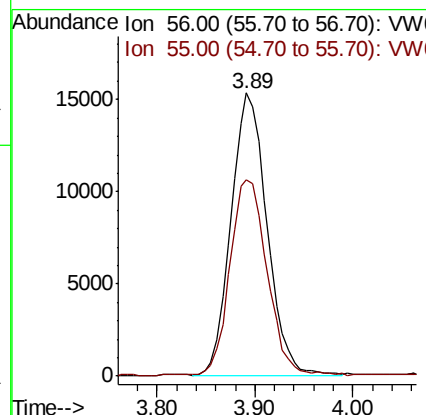
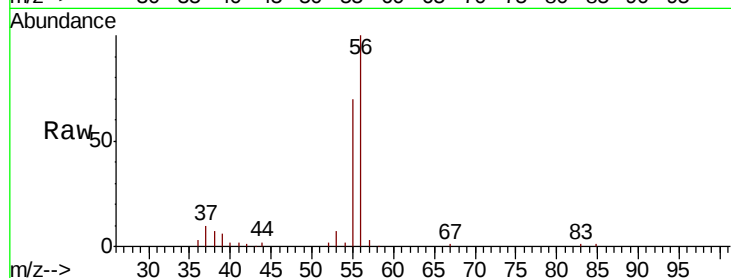
VSTDIC100

Tot Ion: 56 Resp: 39371

Ion Ratio Lower Upper

56 100

55 70.7 57.9 86.9



#14

Allyl chloride

Concen: 96.936 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

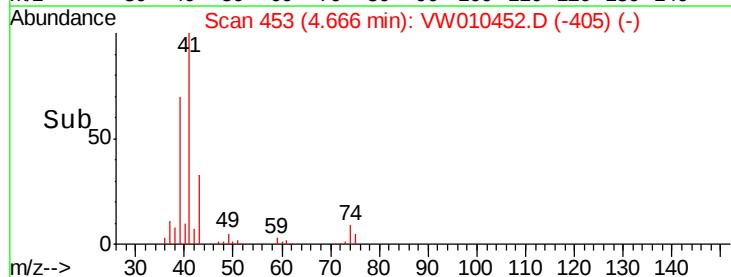
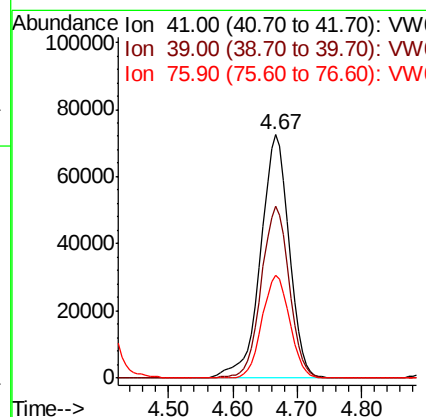
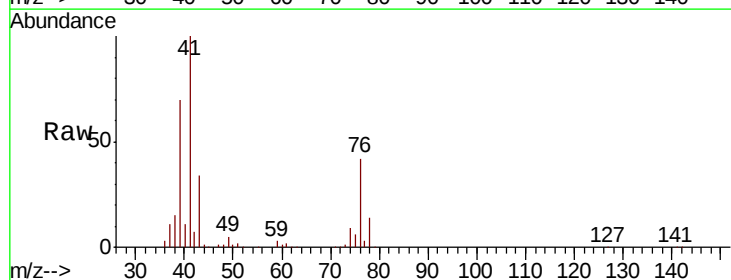
Tgt Ion: 41 Resp: 221560

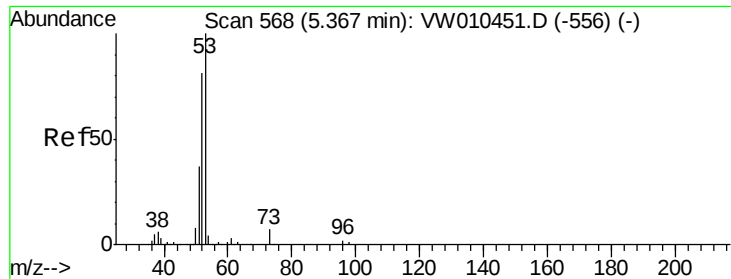
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.4

76 40.9 32.8 49.2





#15

Acrylonitrile

Concen: 468.625 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

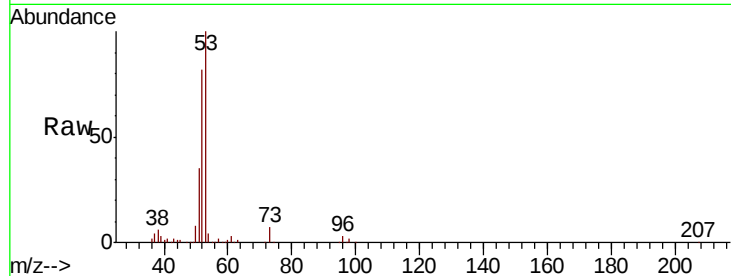
Tot Ion: 53 Resp: 172124

Ion Ratio Lower Upper

53 100

52 80.9 65.6 98.4

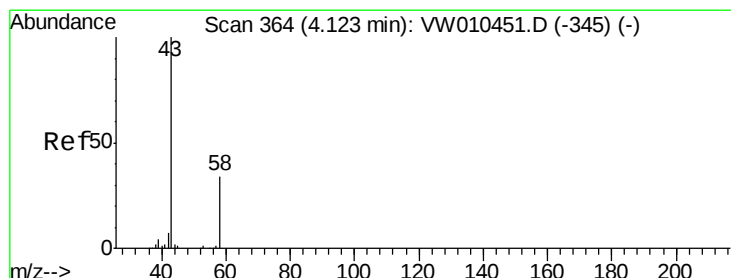
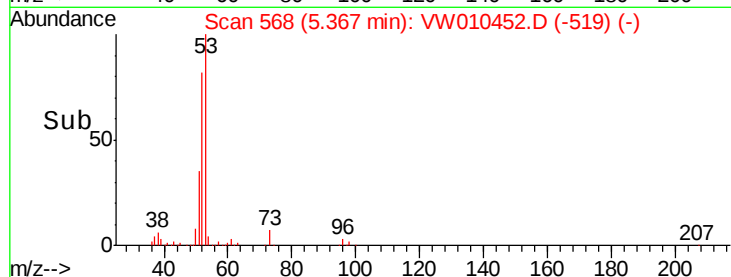
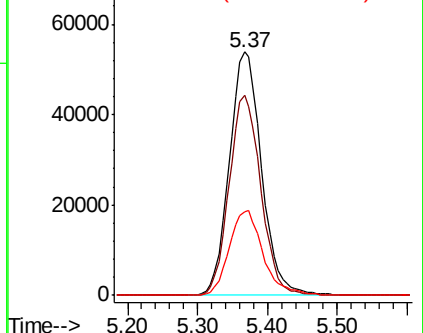
51 36.7 29.5 44.3



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: 502.385 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010452.D

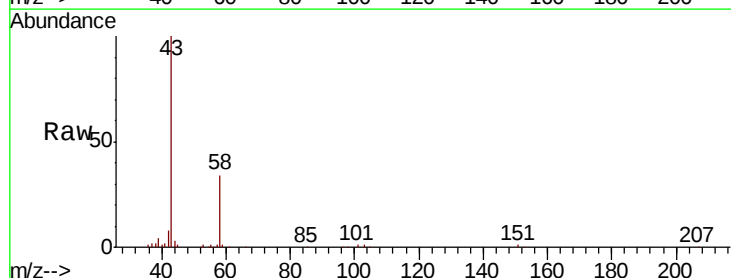
Acq: 20 May 2019 16:54

Tgt Ion: 43 Resp: 146483

Ion Ratio Lower Upper

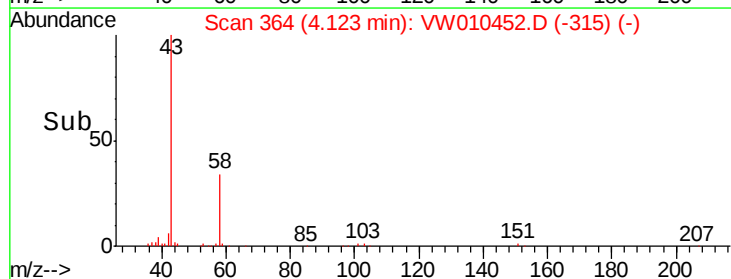
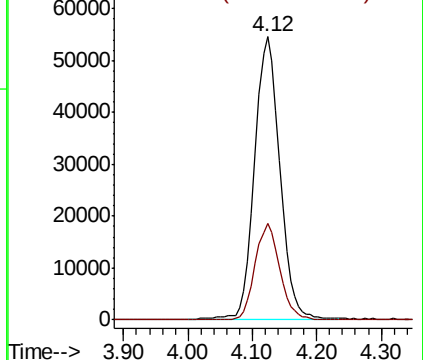
43 100

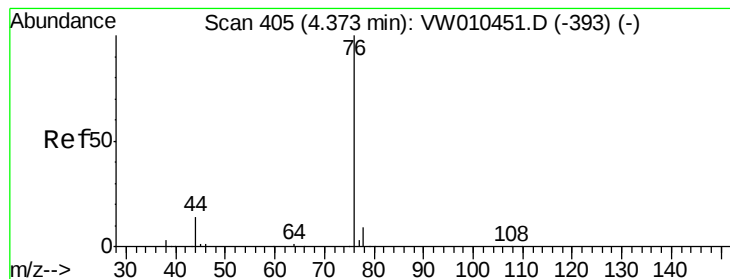
58 33.9 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 107.101 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

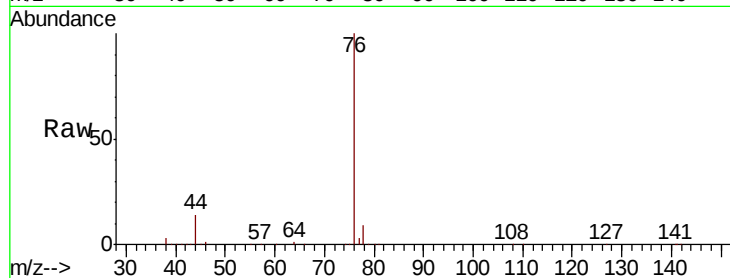
VSTDIC100

Tot Ion: 76 Resp: 463645

Ion Ratio Lower Upper

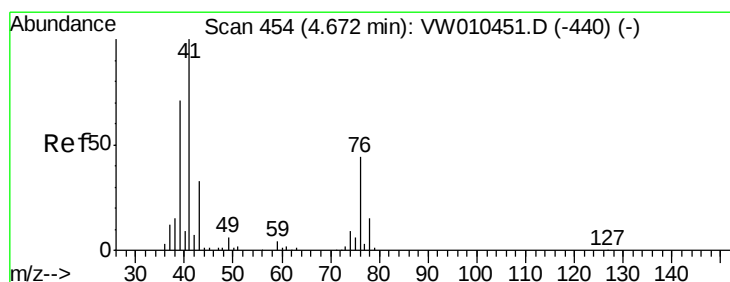
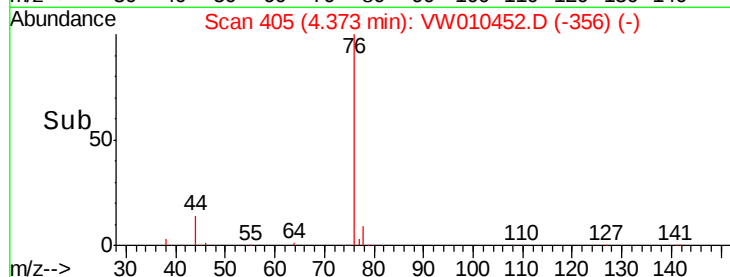
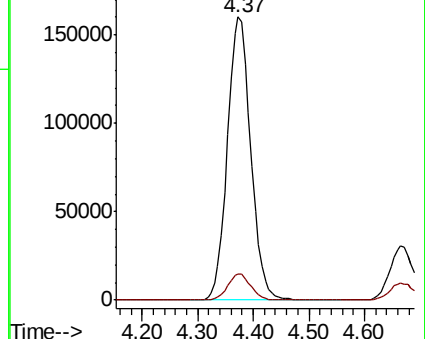
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 82.596 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010452.D

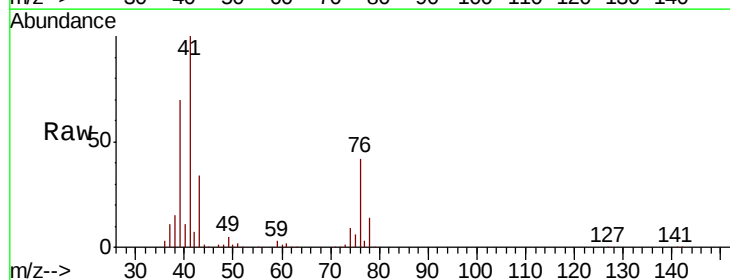
Acq: 20 May 2019 16:54

Tgt Ion: 43 Resp: 71841

Ion Ratio Lower Upper

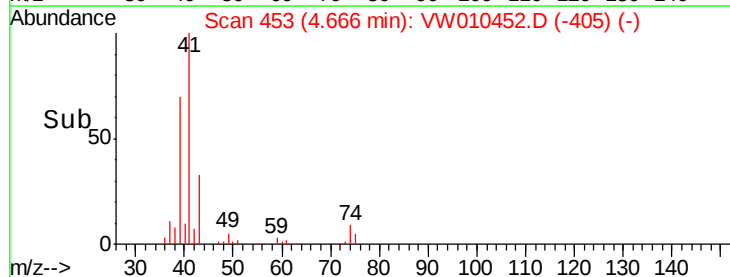
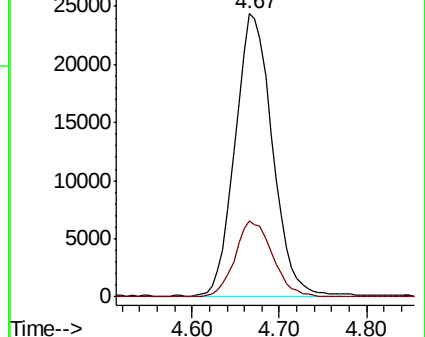
43 100

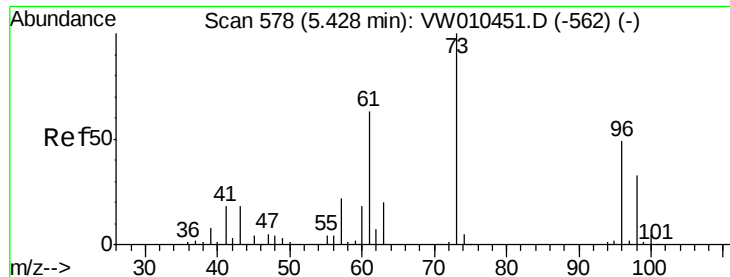
74 27.1 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

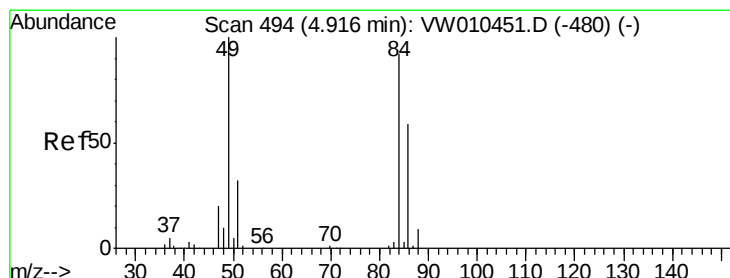
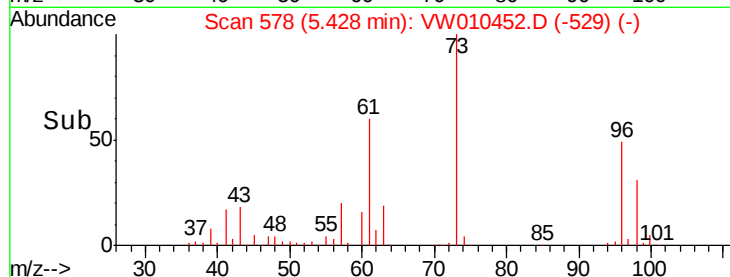
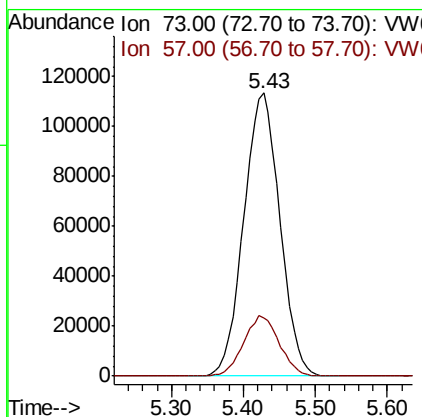
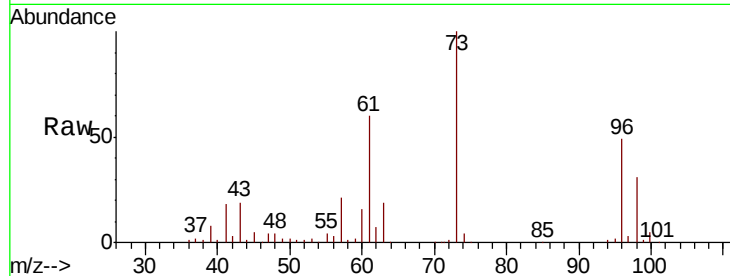




#19
Methvl tert-butvl Ether
Concen: 94.430 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

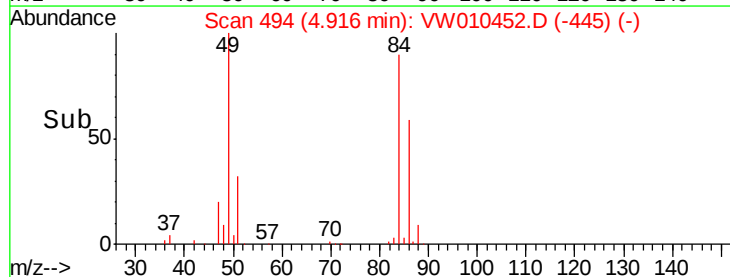
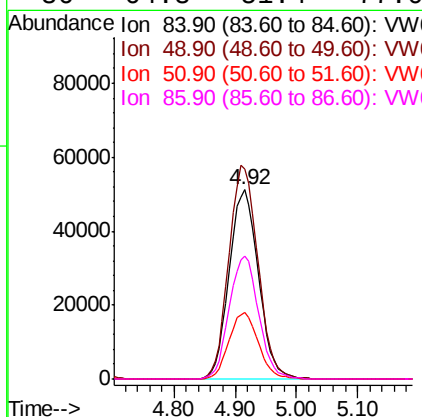
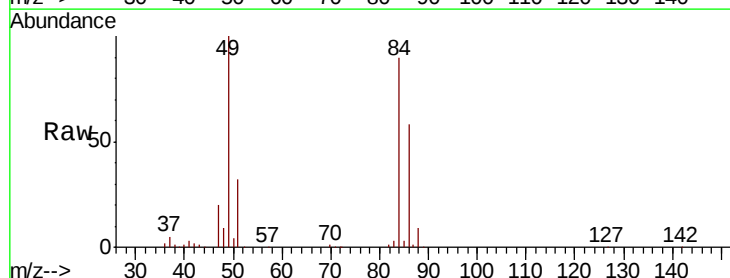
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

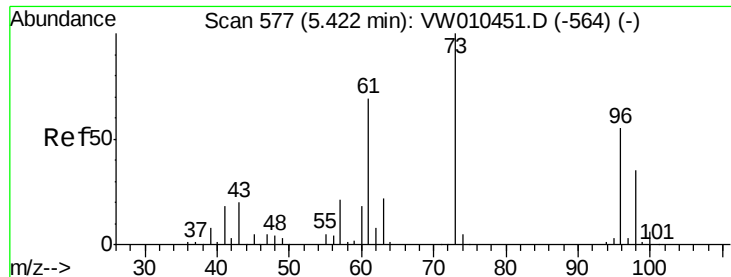
Tot Ion: 73 Resp: 394639
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0



#20
Methylene Chloride
Concen: 96.293 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 84 Resp: 169663
Ion Ratio Lower Upper
84 100
49 111.1 87.2 130.8
51 35.2 27.7 41.5
86 64.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 101.075 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

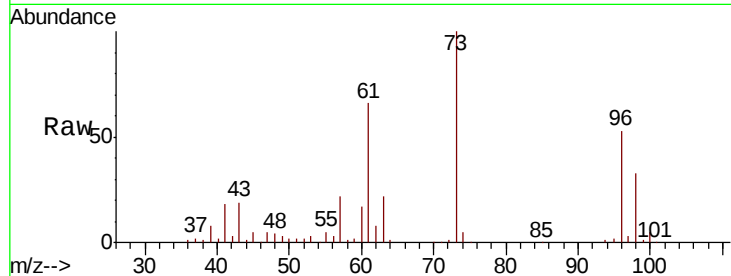
MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 175409

Ion	Ratio	Lower	Upper
96	100		
61	126.0	101.4	152.0
98	63.4	50.6	76.0

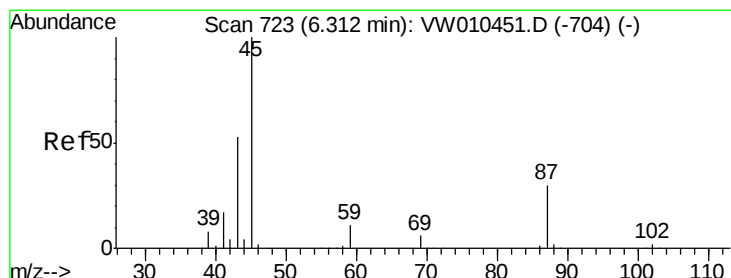
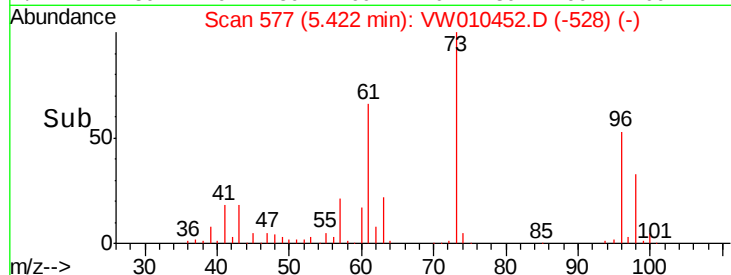
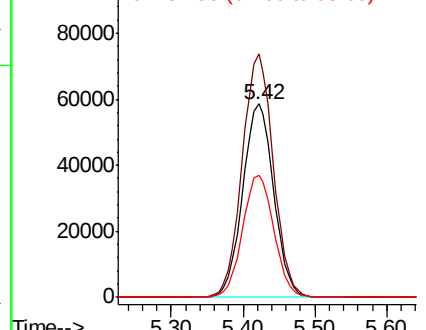


Abundance

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: 94.554 ug/l

RT: 6.31 min Scan# 723

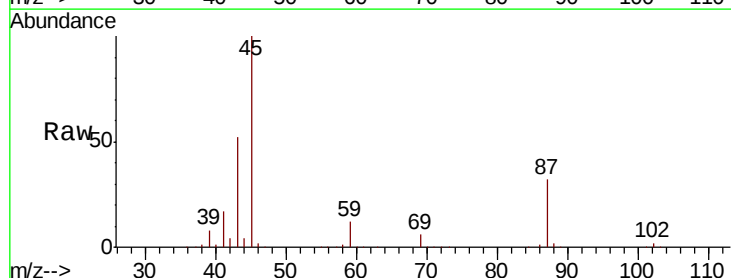
Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion: 45 Resp: 457283

Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.9	64.3
87	31.7	24.6	36.8
59	11.8	9.4	14.0



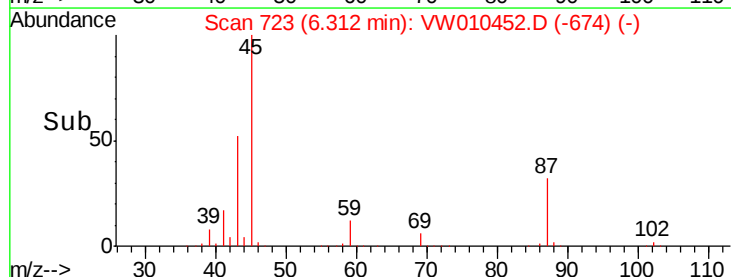
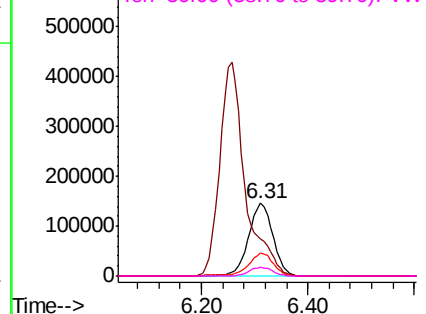
Abundance

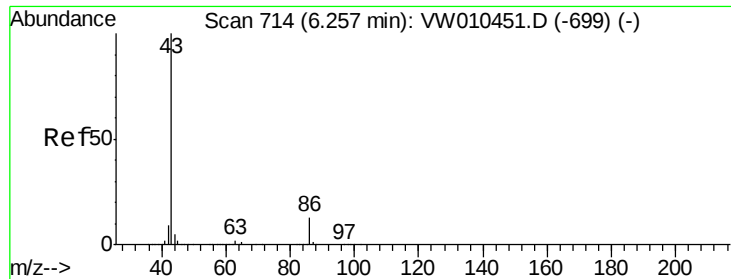
Ion 45.00 (44.70 to 45.70): VW

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: 475.499 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

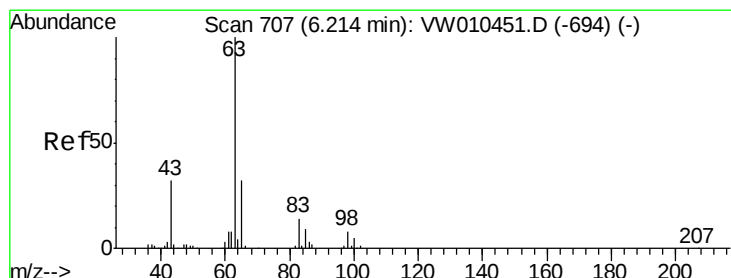
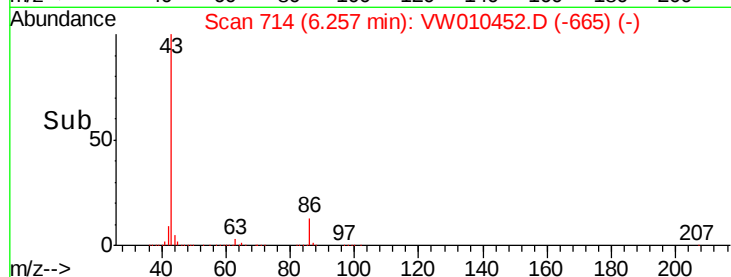
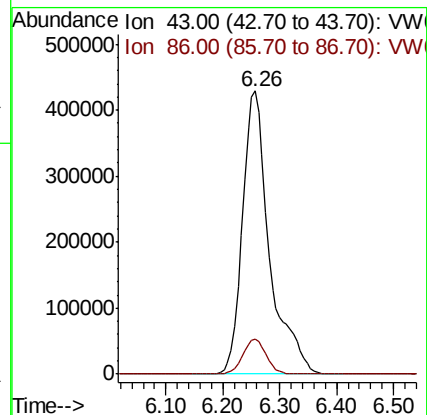
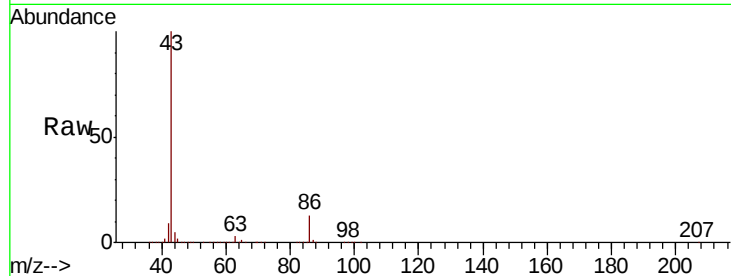
VSTDIC100

Tot Ion: 43 Resp: 1421772

Ion Ratio Lower Upper

43 100

86 12.6 10.3 15.5



#24

1,1-Dichloroethane

Concen: 96.962 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

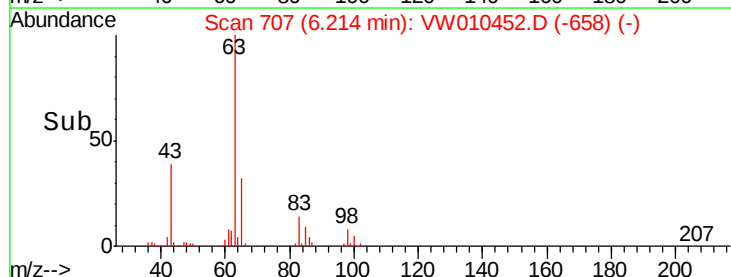
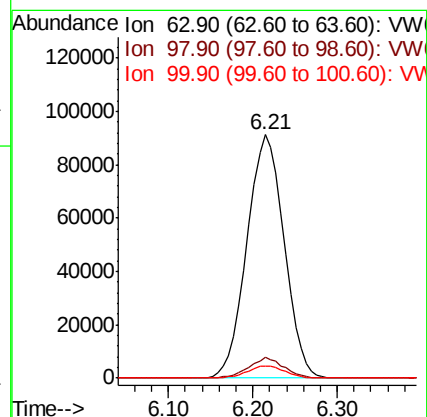
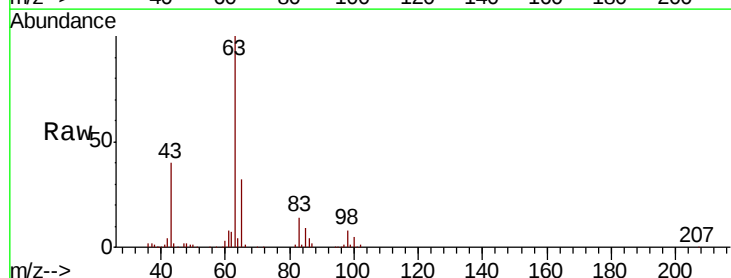
Tgt Ion: 63 Resp: 273927

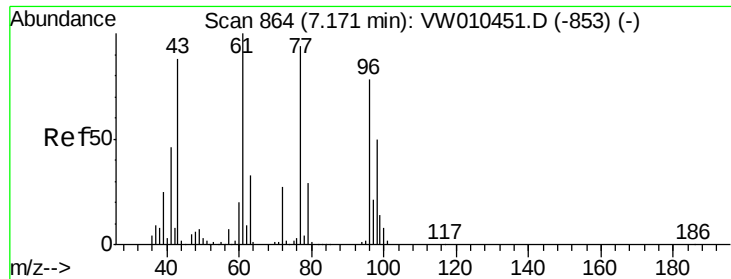
Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 471.428 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

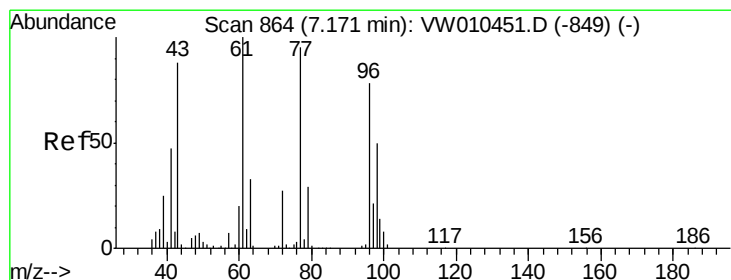
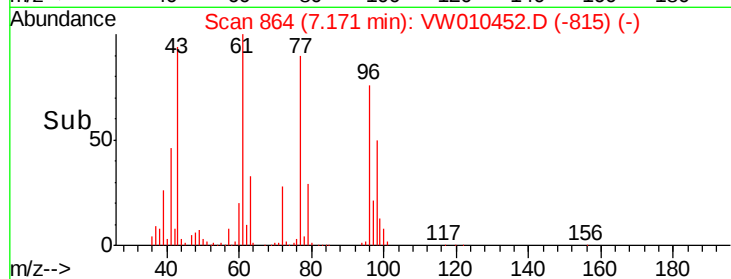
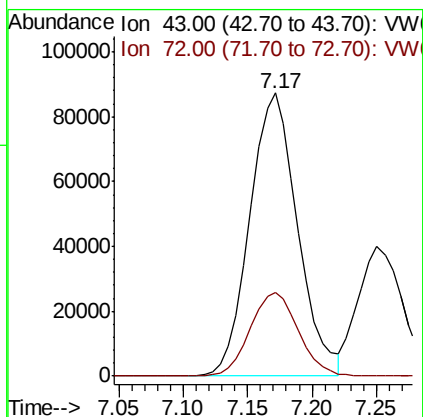
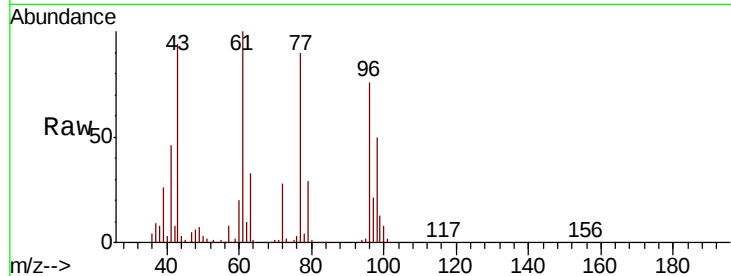
VSTDIC100

Tot Ion: 43 Resp: 223992

Ion Ratio Lower Upper

43 100

72 29.7 24.1 36.1



#26

2,2-Dichloropropane

Concen: 97.751 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010452.D

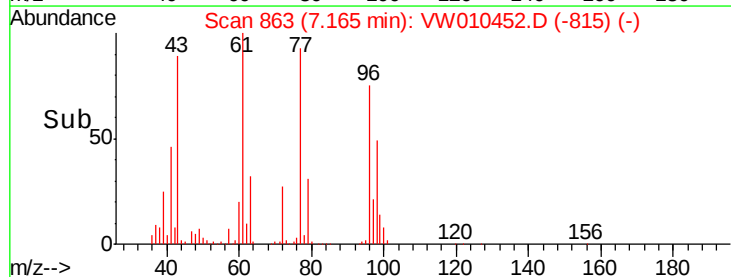
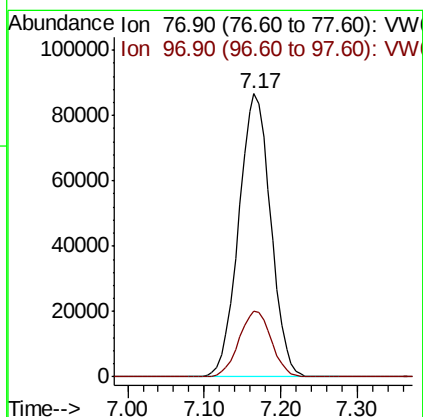
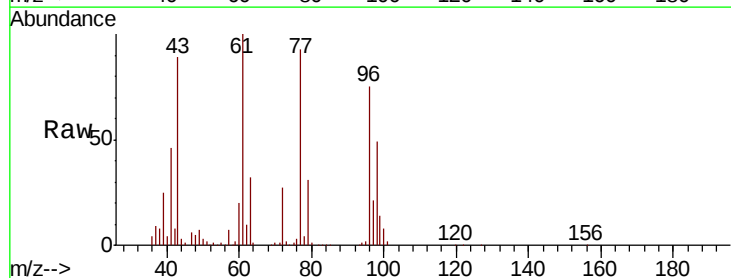
Acq: 20 May 2019 16:54

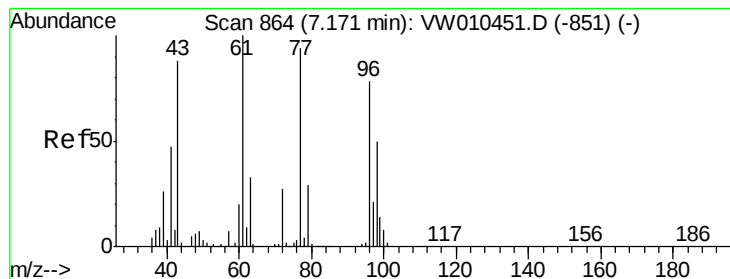
Tgt Ion: 77 Resp: 251533

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



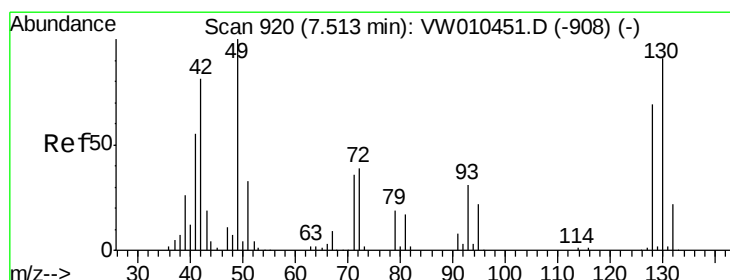
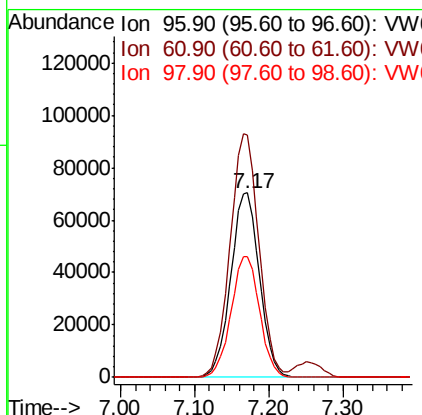
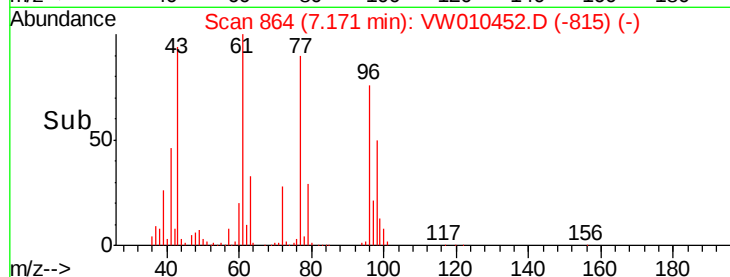
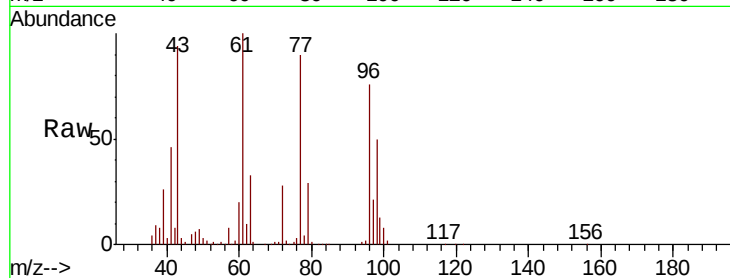


#27

cis-1,2-Dichloroethene
Concen: 97.964 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

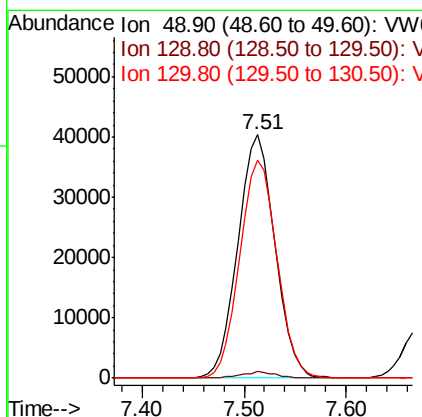
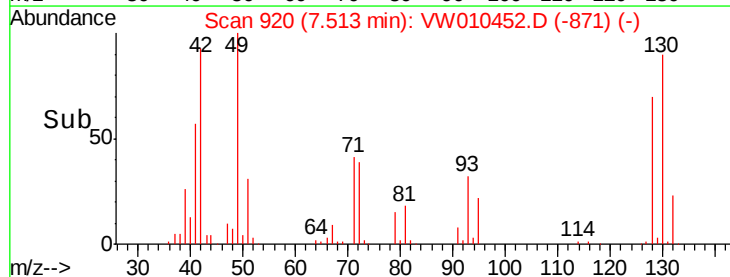
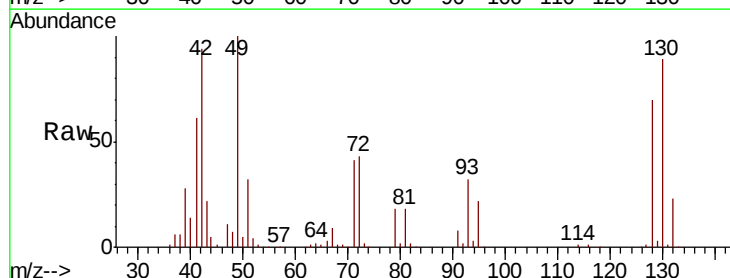
Tot Ion	96	Resp	189433
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	265.4
98	65.4	0.0	129.4

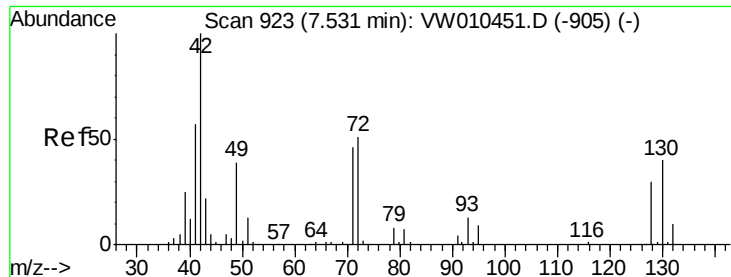


#28

Bromochloromethane
Concen: 98.118 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	49	Resp	101971
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	90.1	71.2	106.8

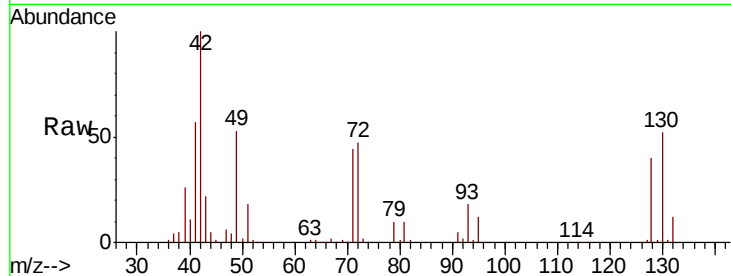




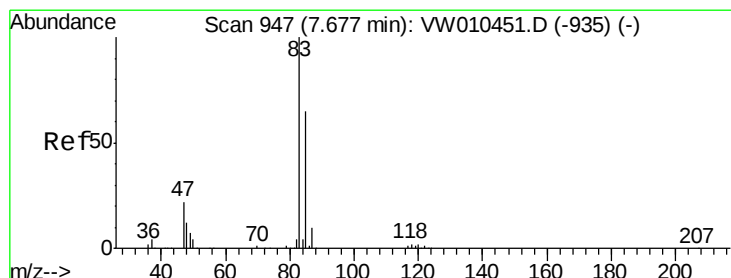
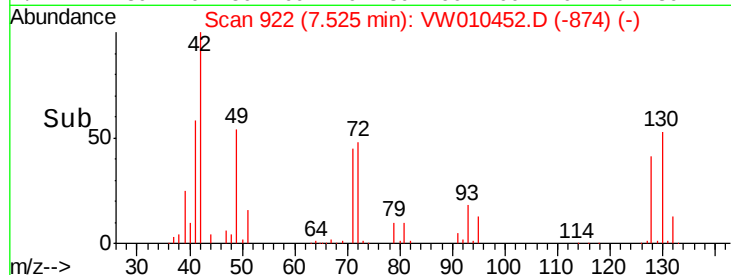
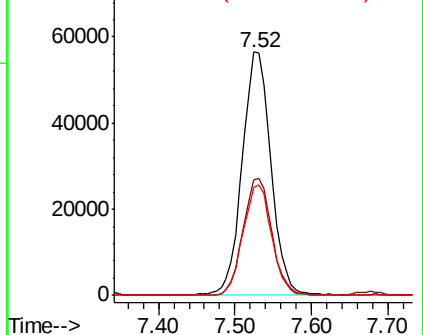
#29
Tetrahydrofuran
Concen: 461.724 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 148443
Ion Ratio Lower Upper
42 100
72 47.8 38.5 57.7
71 45.1 36.5 54.7

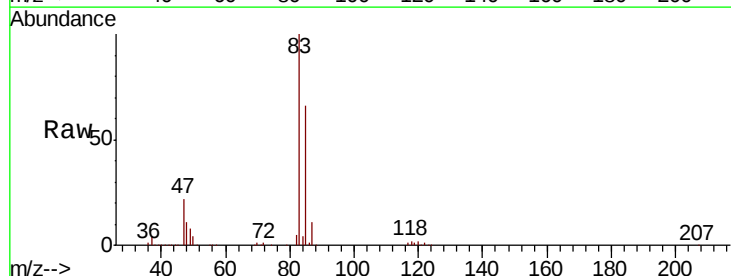


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

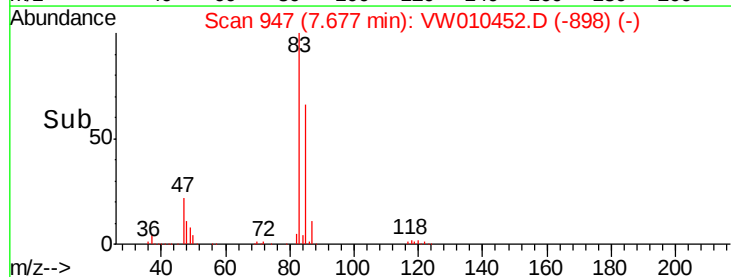
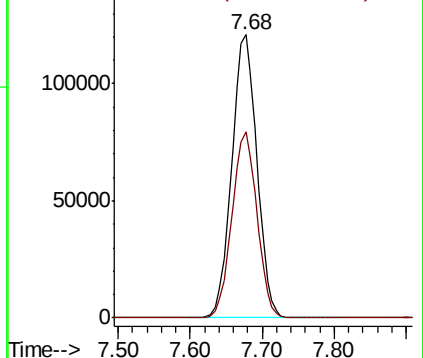


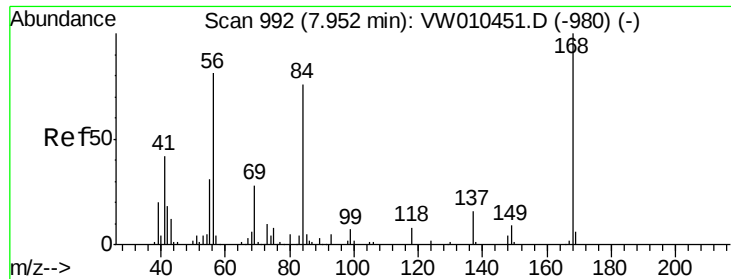
#30
Chloroform
Concen: 98.649 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 83 Resp: 293396
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.4



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

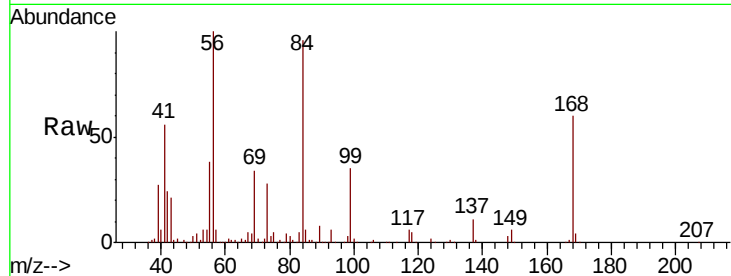




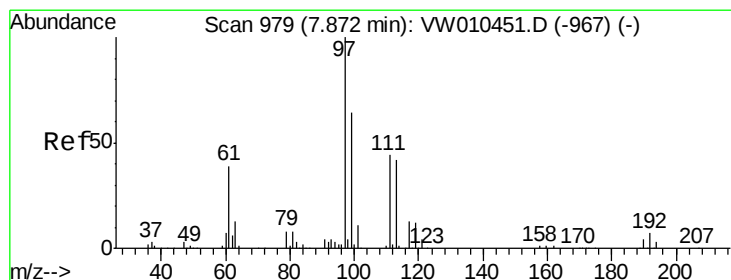
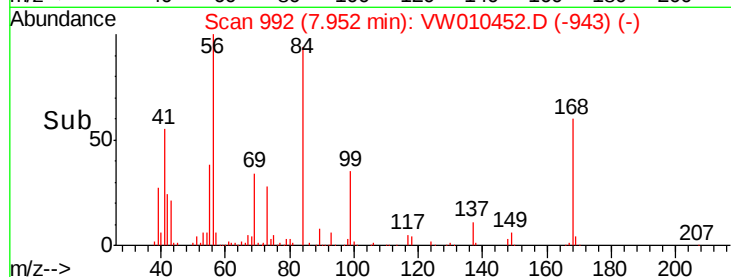
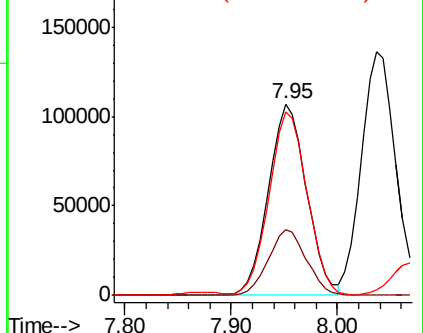
#31
Cyclohexane
Concen: 93.372 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 266424
Ion Ratio Lower Upper
56 100
69 34.3 28.2 42.2
84 94.2 75.8 113.8

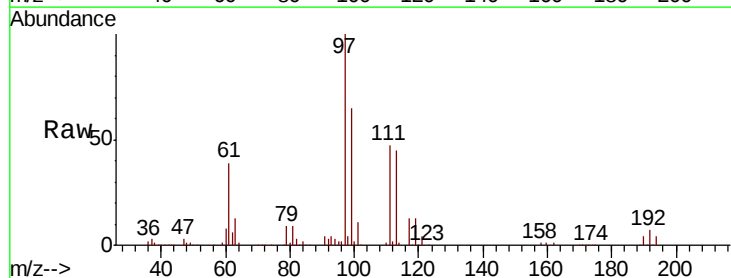


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

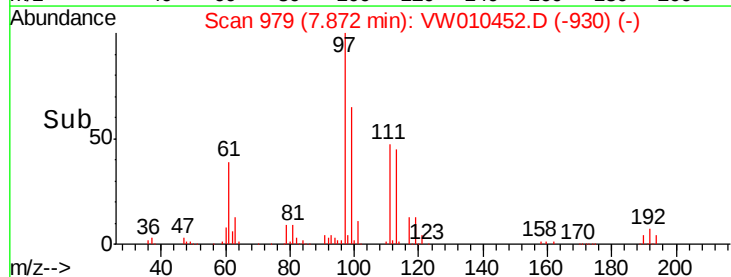
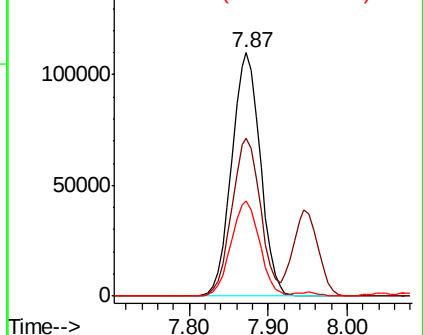


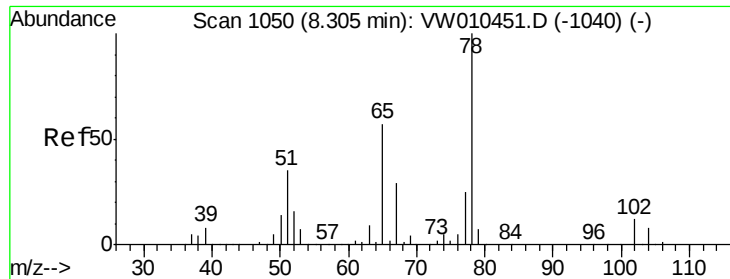
#32
1,1,1-Trichloroethane
Concen: 98.521 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 97 Resp: 276854
Ion Ratio Lower Upper
97 100
99 65.5 50.8 76.2
61 39.0 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

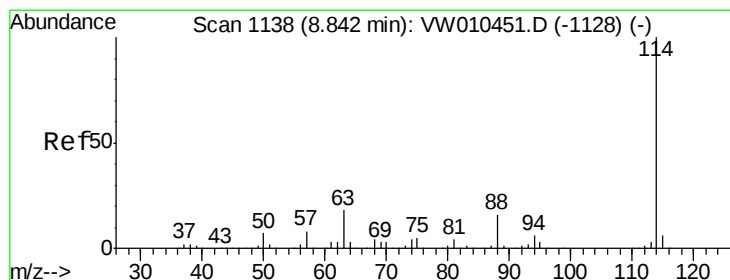
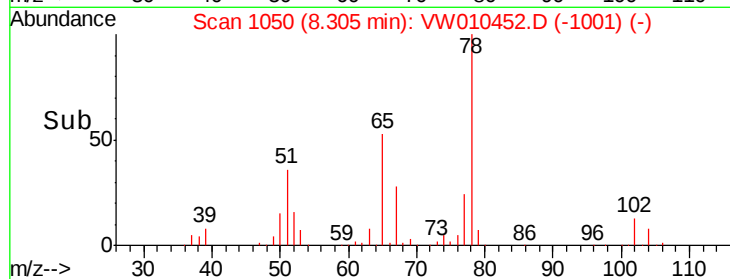
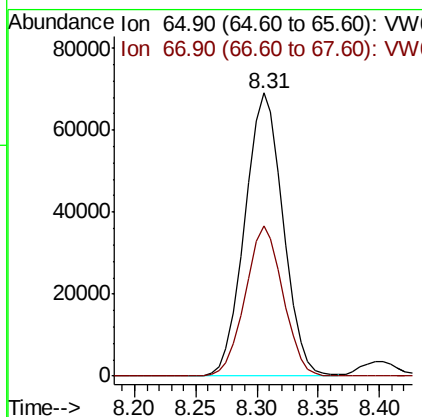
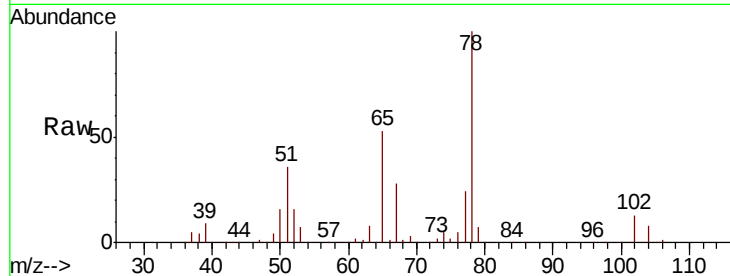




#33
 1,2-Dichloroethane-d4
 Concen: 95.089 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

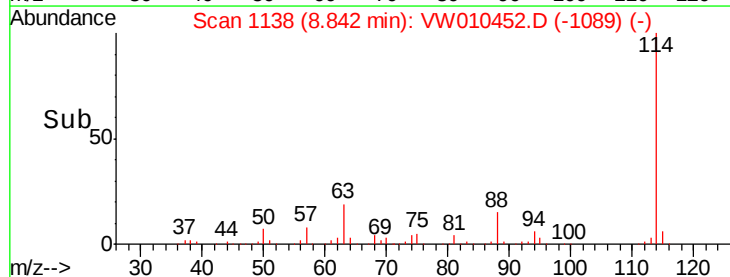
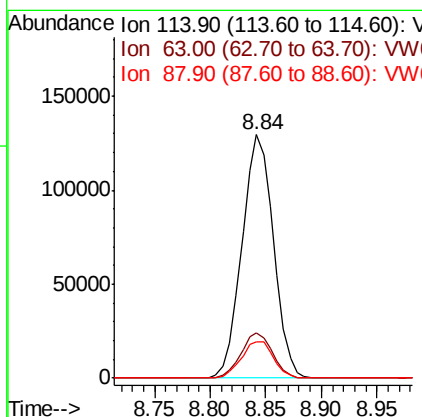
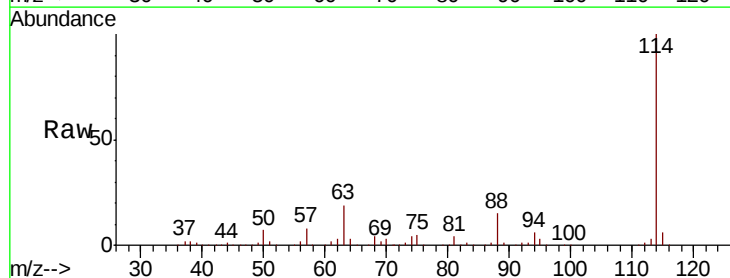
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

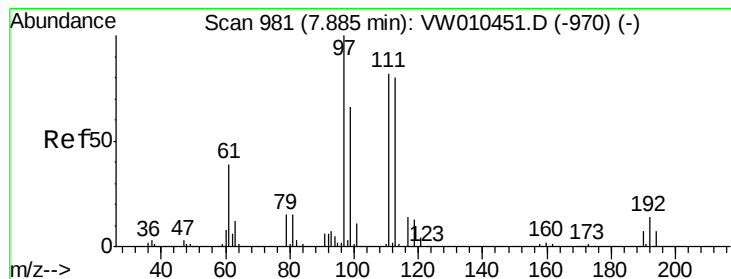
Tot Ion: 65 Resp: 150484
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 114 Resp: 254668
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 100.183 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

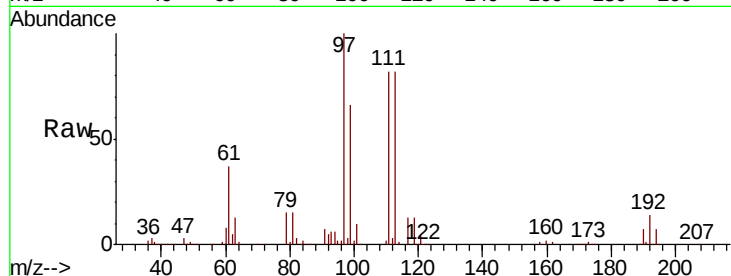
Tot Ion:113 Resp: 156393

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

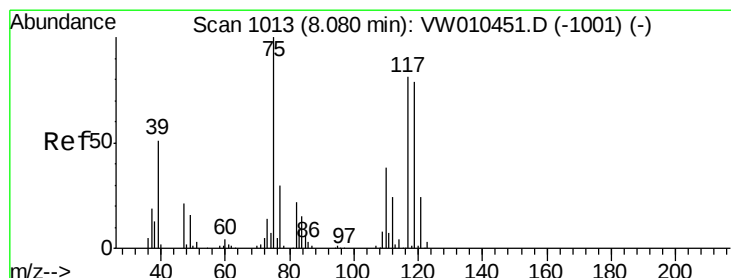
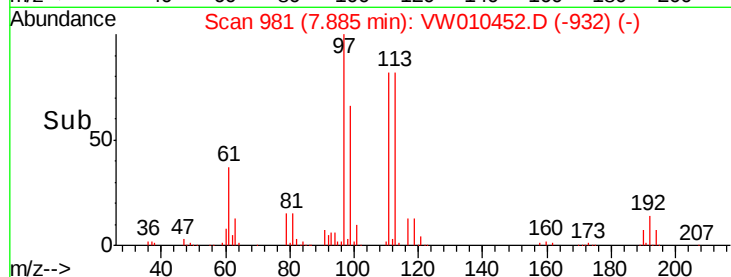
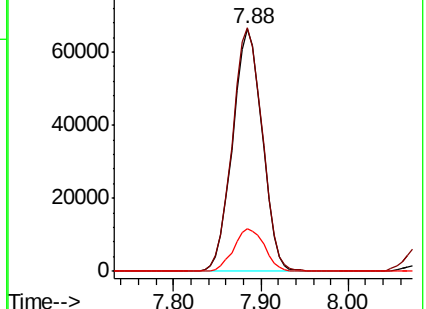
192 18.2 14.3 21.5



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: 99.900 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

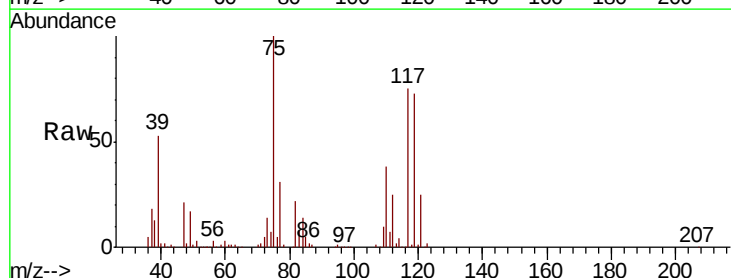
Tgt Ion: 75 Resp: 229123

Ion Ratio Lower Upper

75 100

110 38.3 19.2 57.6

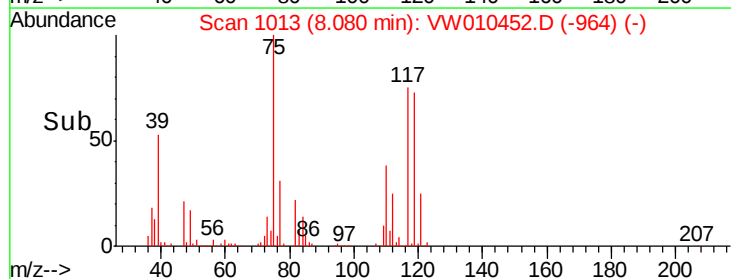
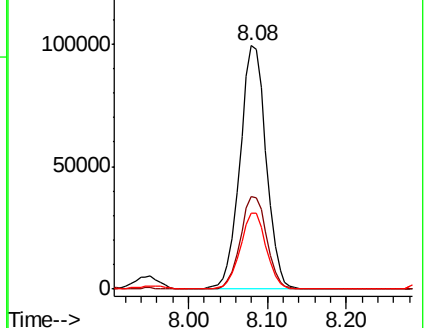
77 31.4 25.2 37.8

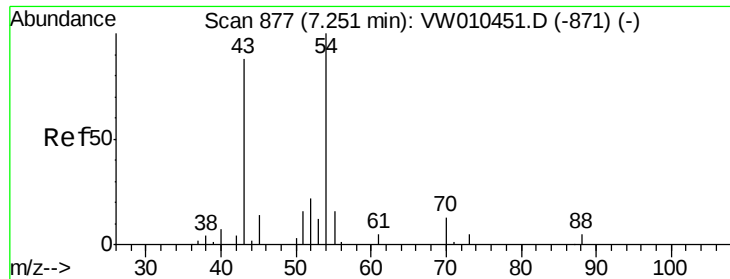


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

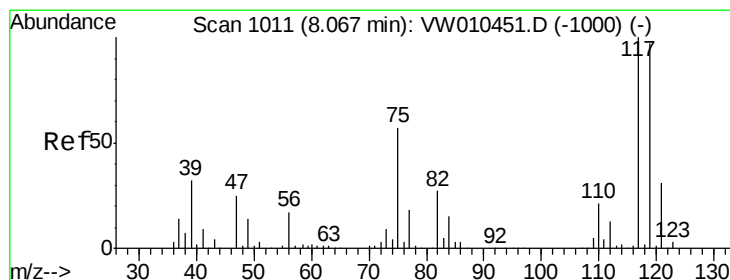
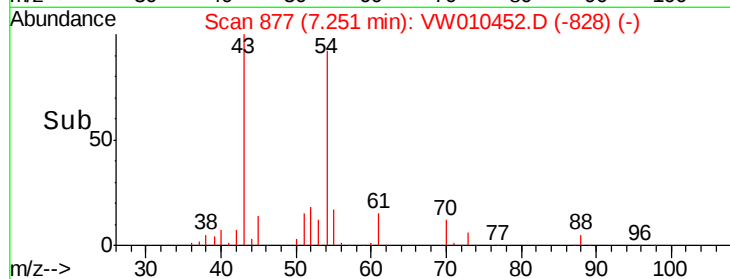
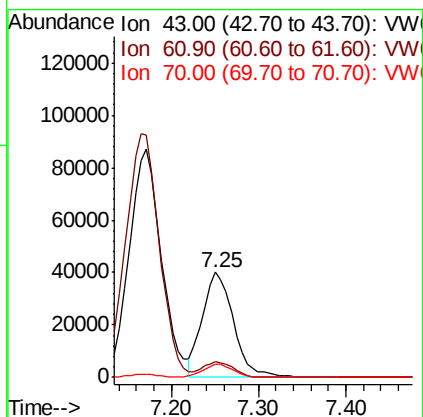
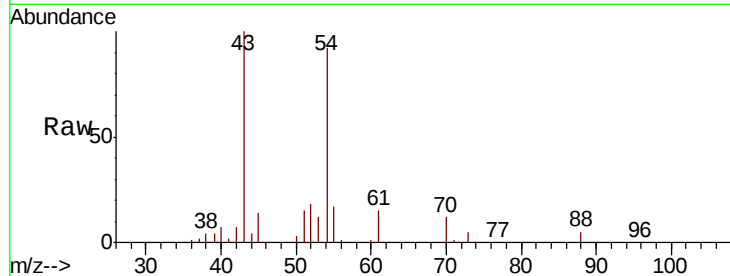




#37
Ethyl Acetate
Concen: 92.131 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

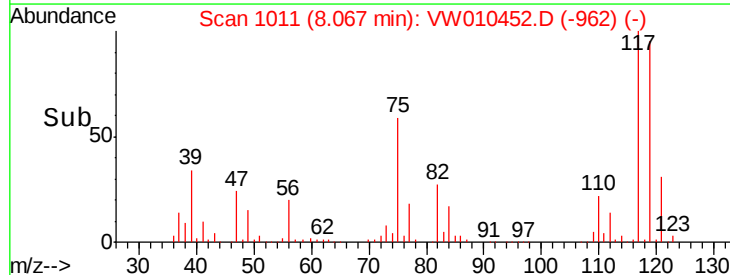
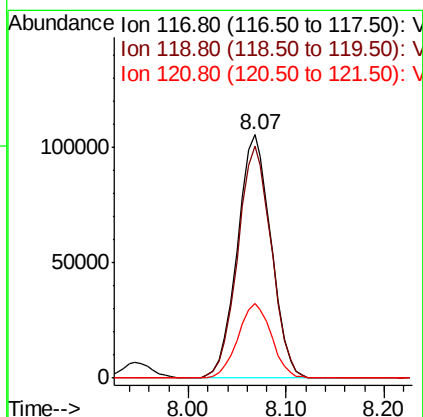
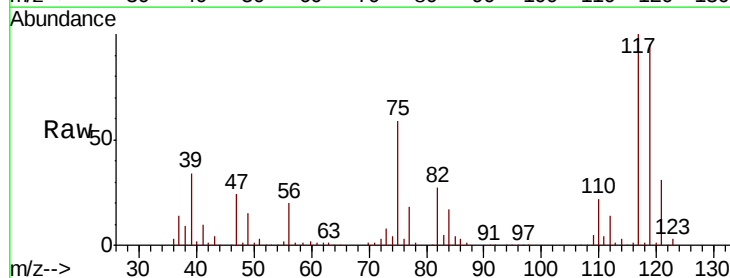
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

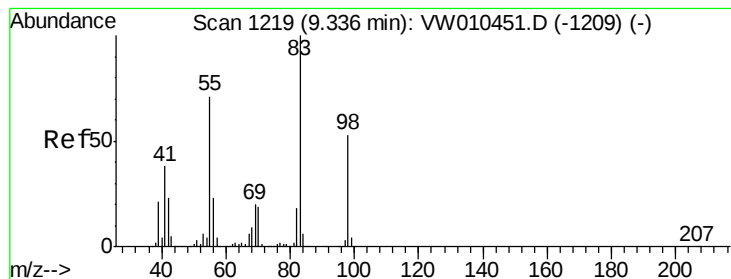
Tot Ion: 43 Resp: 98773
Ion Ratio Lower Upper
43 100
61 15.3 11.2 16.8
70 12.5 9.9 14.9



#38
Carbon Tetrachloride
Concen: 101.781 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 117 Resp: 251950
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.0
121 30.6 25.0 37.6





#39

Methvlcvclohexane

Concen: 101.542 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

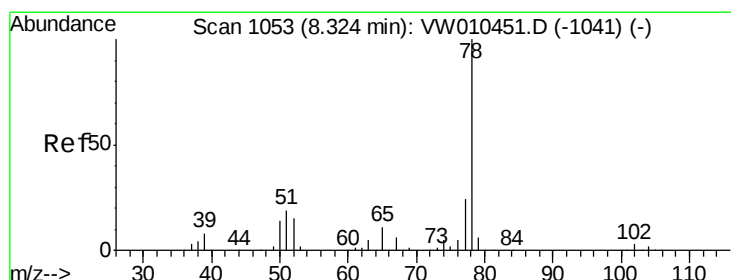
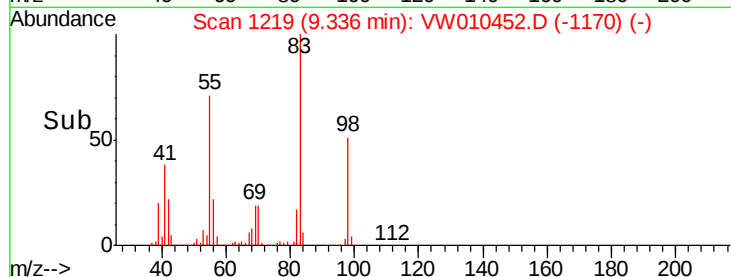
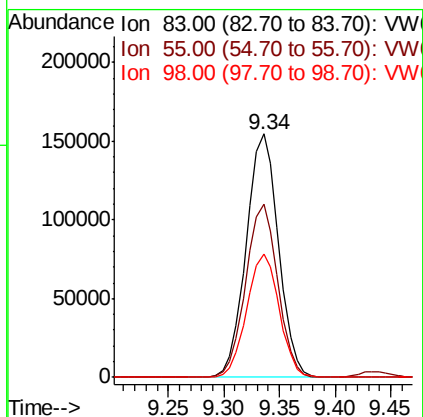
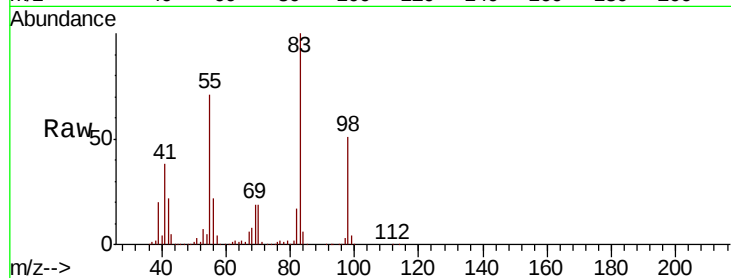
Tot Ion: 83 Resp: 311971

Ion Ratio Lower Upper

83 100

55 71.2 57.0 85.6

98 50.8 42.0 63.0



#40

Benzene

Concen: 99.419 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010452.D

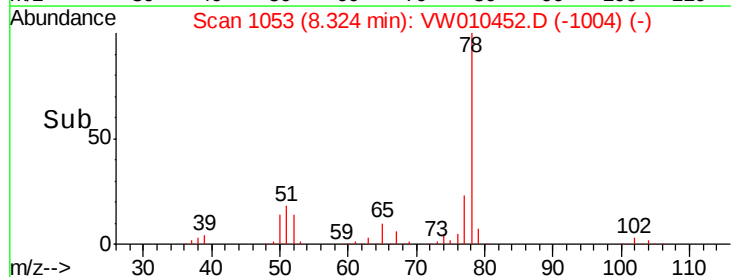
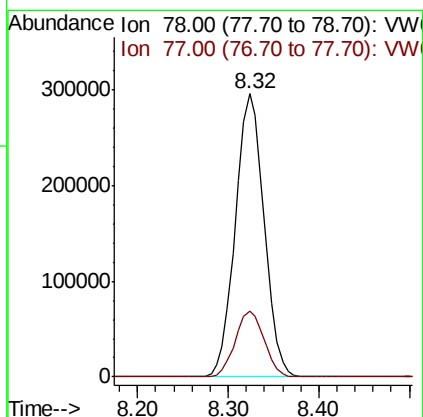
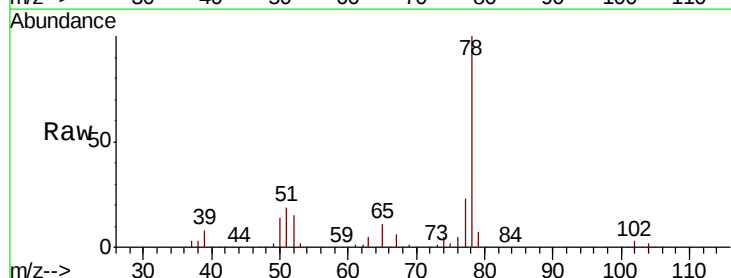
Acq: 20 May 2019 16:54

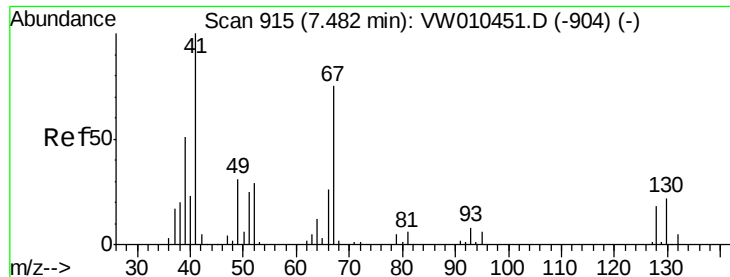
Tgt Ion: 78 Resp: 648804

Ion Ratio Lower Upper

78 100

77 23.5 18.9 28.3

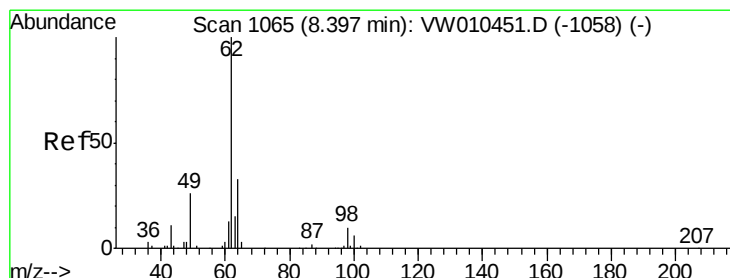
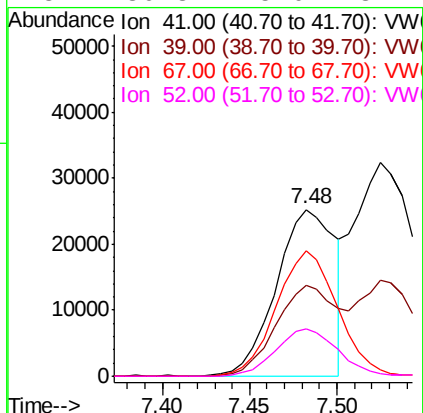
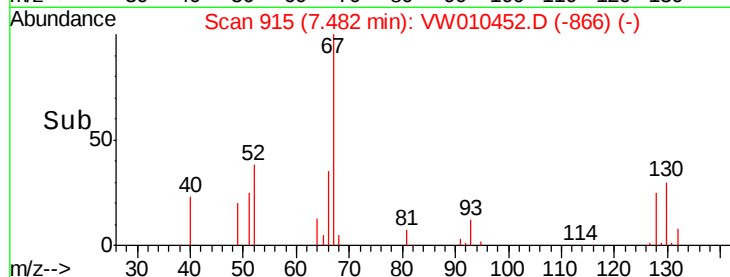
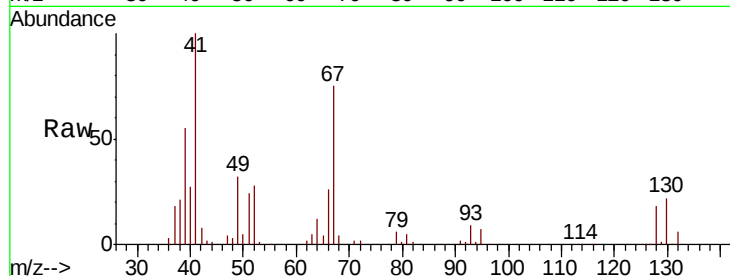




#41
Methacrylonitrile
Concen: 94.823 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

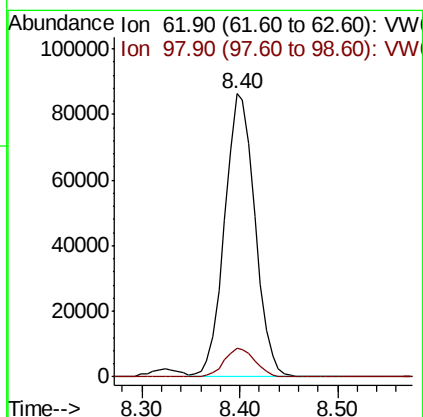
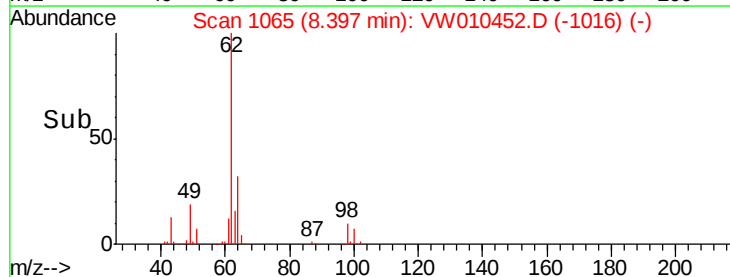
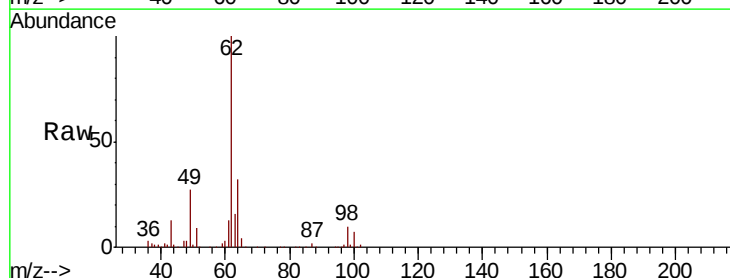
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

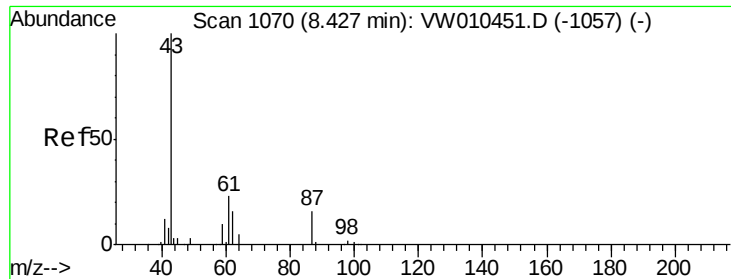
Tot Ion:	41	Resp:	59231
Ion	Ratio	Lower	Upper
41	100		
39	59.8	47.4	71.2
67	78.6	65.5	98.3
52	30.3	25.0	37.4



#42
1,2-Dichloroethane
Concen: 96.426 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:	62	Resp:	185477
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 92.820 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

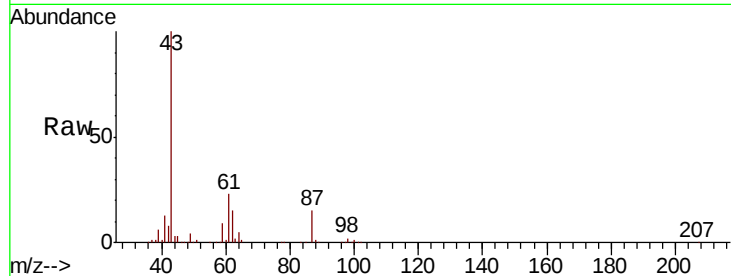
Tot Ion: 43 Resp: 201466

Ion Ratio Lower Upper

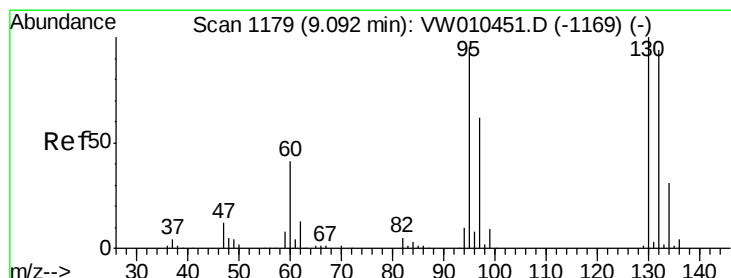
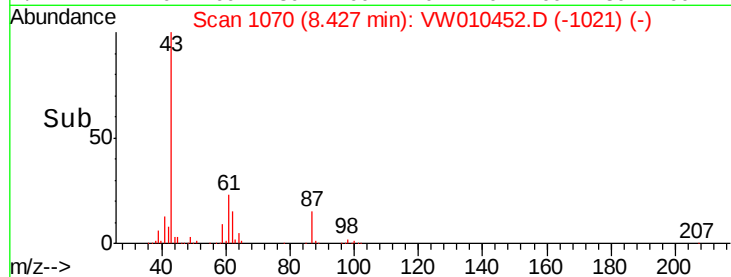
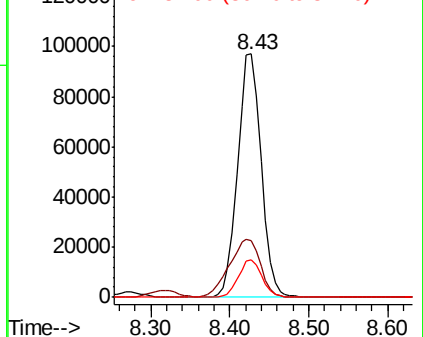
43 100

61 31.4 25.4 38.2

87 15.3 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 102.281 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010452.D

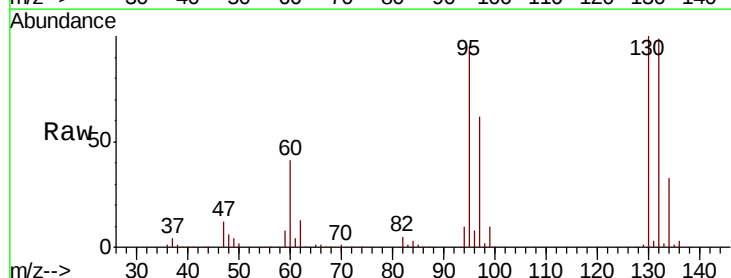
Acq: 20 May 2019 16:54

Tgt Ion: 130 Resp: 191942

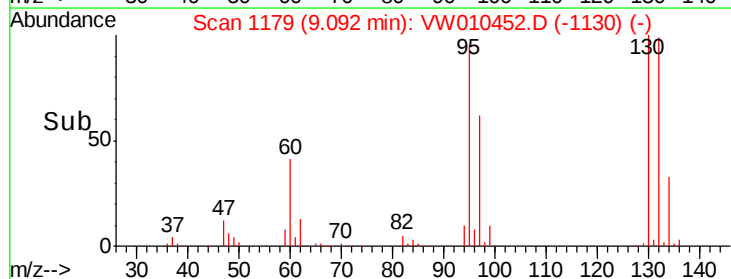
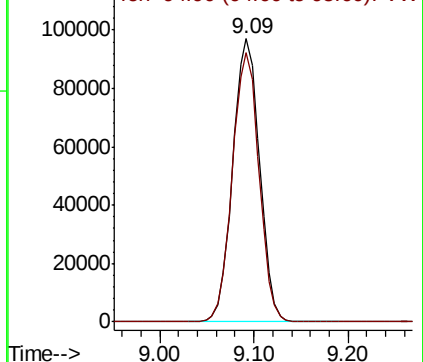
Ion Ratio Lower Upper

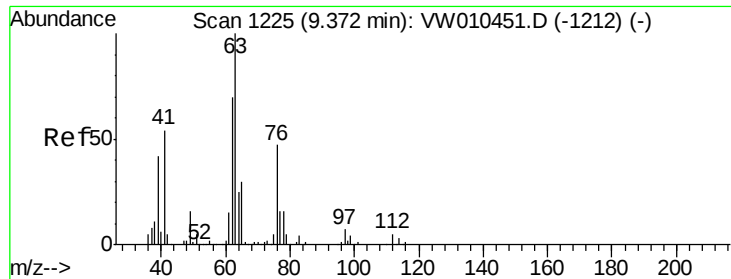
130 100

95 95.1 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 97.984 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

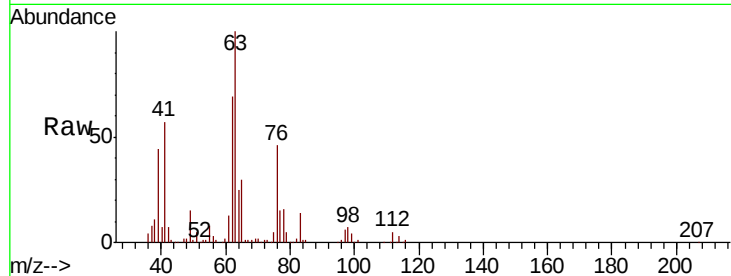
VSTDIC100

Tot Ion: 63 Resp: 155197

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

80000

60000

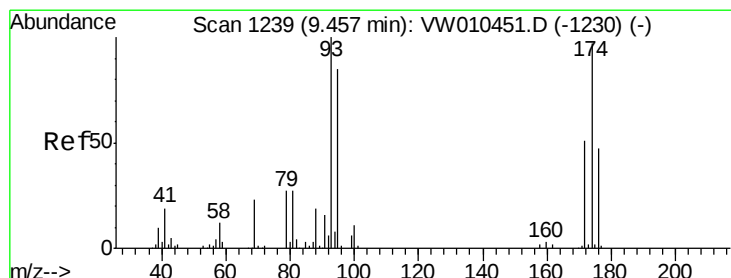
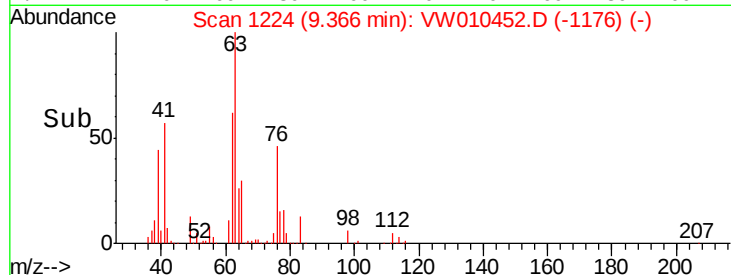
40000

20000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 99.446 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

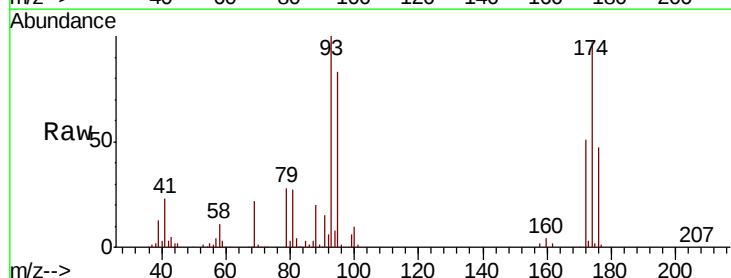
Tgt Ion: 93 Resp: 92687

Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

174 98.4 77.1 115.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

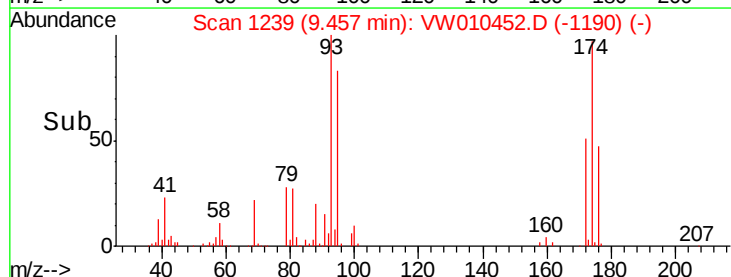
20000

10000

0

Time-->

9.40 9.50

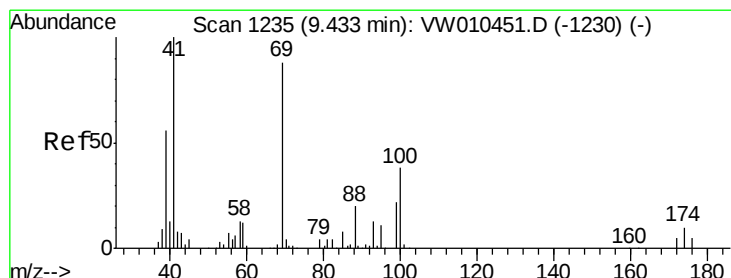
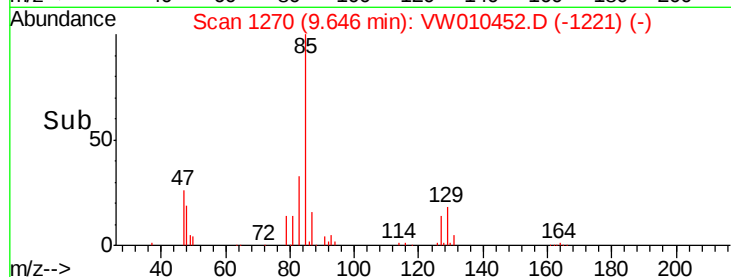
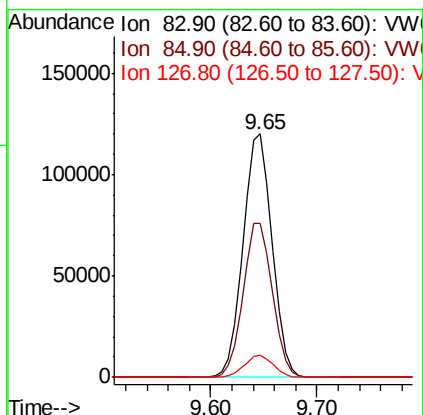
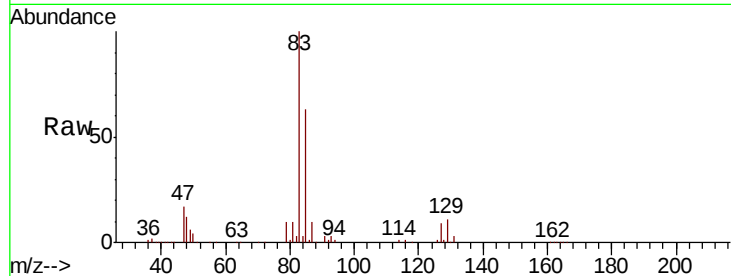




#47
 Bromodichloromethane
 Concen: 98.722 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

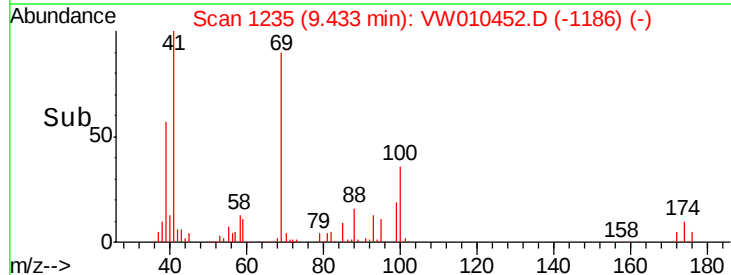
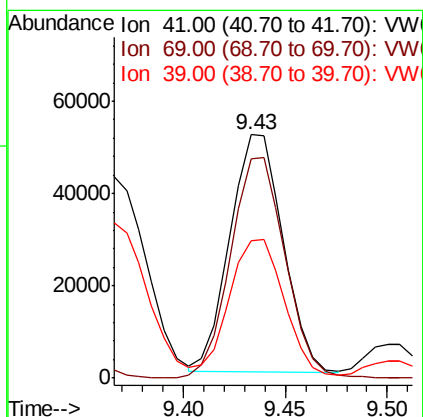
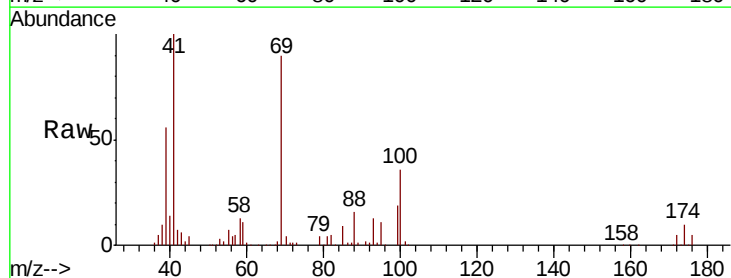
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

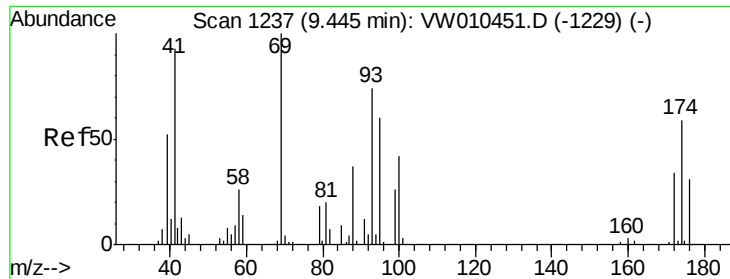
Tot Ion	83	Resp	229704
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.4	75.6
127	8.9	7.4	11.0



#48
 Methyl methacrylate
 Concen: 92.503 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	41	Resp	92804
Ion Ratio	Lower	Upper	
41	100		
69	95.5	77.6	116.4
39	58.5	49.8	74.8





#49

1,4-Dioxane

Concen: 2051.313 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

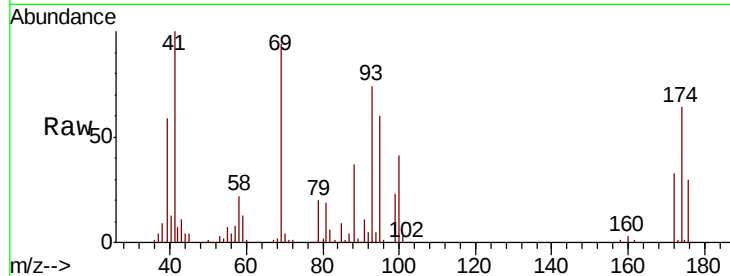
Tot Ion: 88 Resp: 28300

Ion Ratio Lower Upper

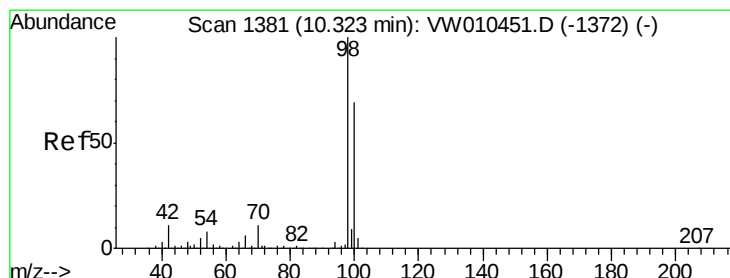
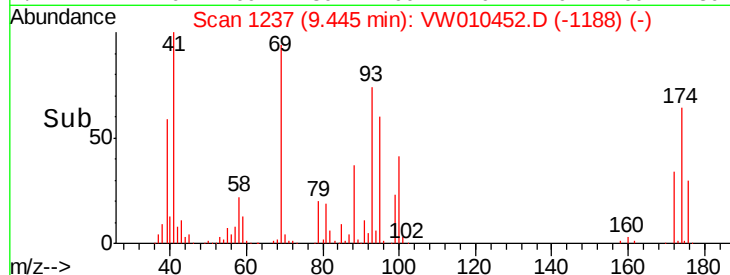
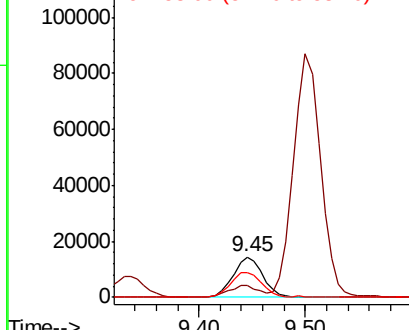
88 100

43 29.0 25.9 38.9

58 64.8 52.7 79.1



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 100.706 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010452.D

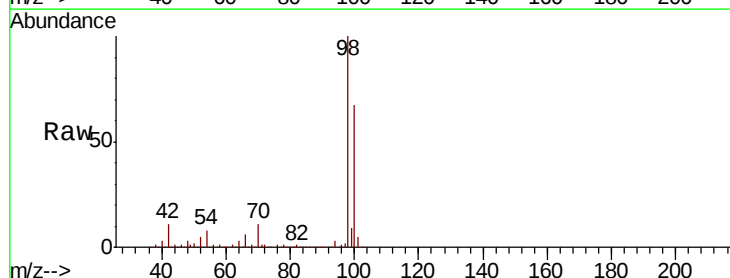
Acq: 20 May 2019 16:54

Tgt Ion: 98 Resp: 588127

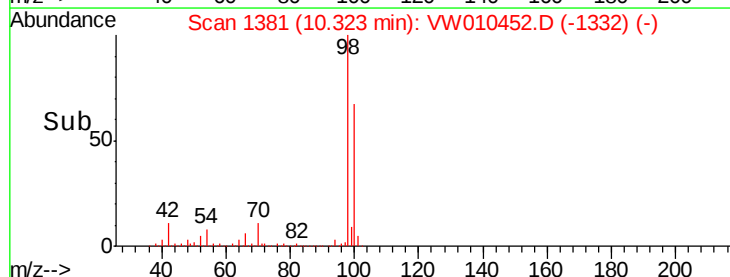
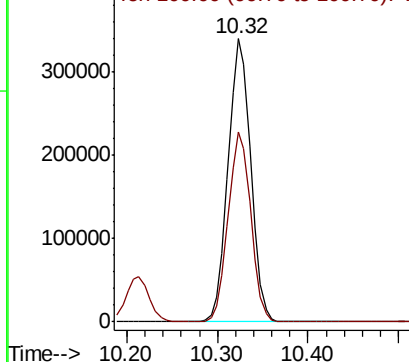
Ion Ratio Lower Upper

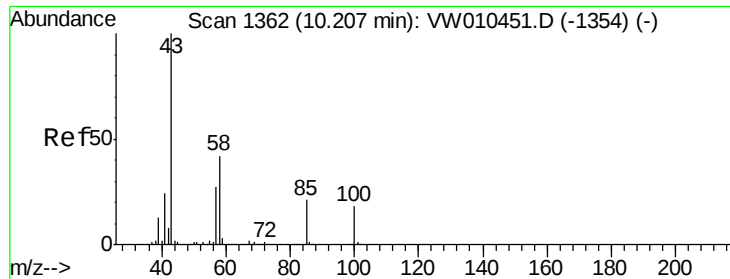
98 100

100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 459.220 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

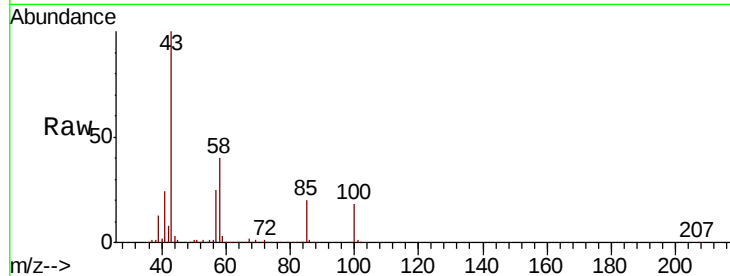
VSTDIC100

Tot Ion: 43 Resp: 510556

Ion Ratio Lower Upper

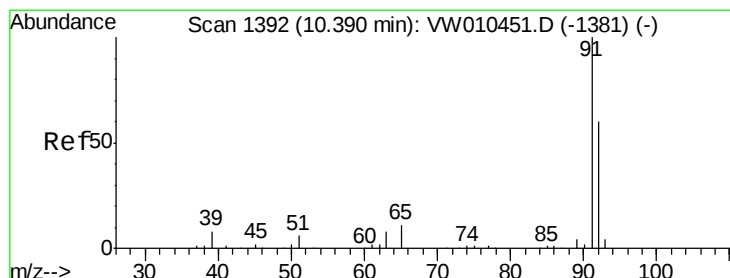
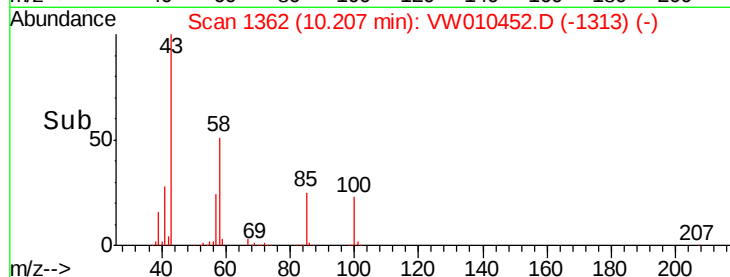
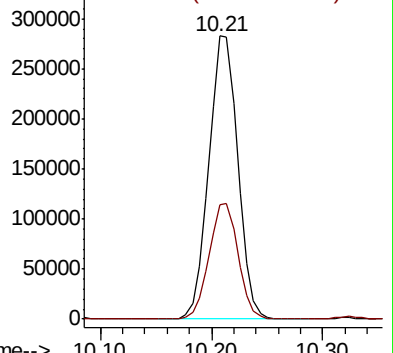
43 100

58 41.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 100.422 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010452.D

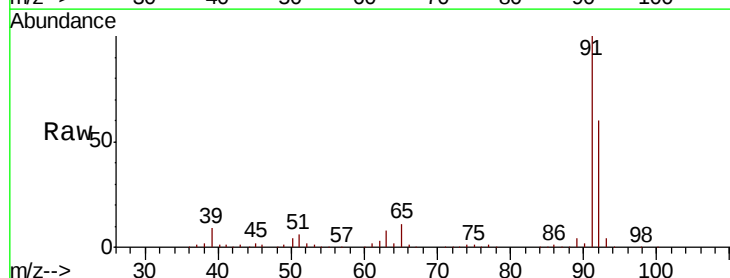
Acq: 20 May 2019 16:54

Tgt Ion: 92 Resp: 435209

Ion Ratio Lower Upper

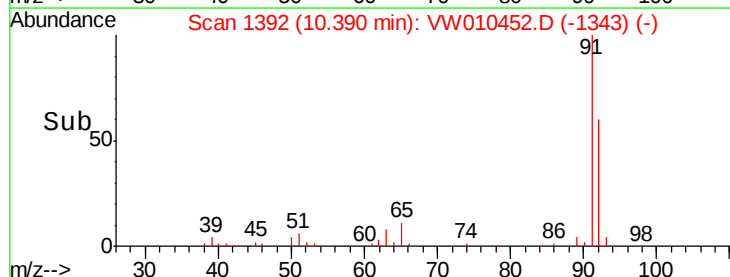
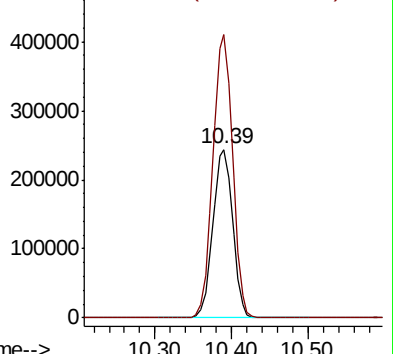
92 100

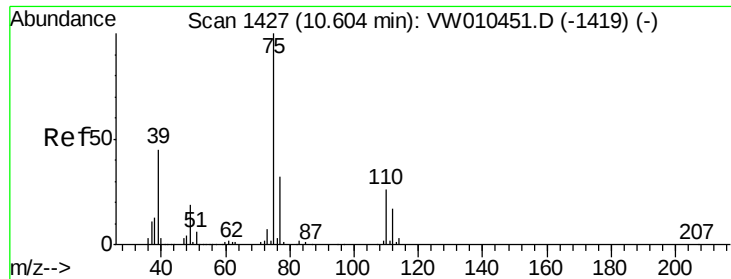
91 168.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

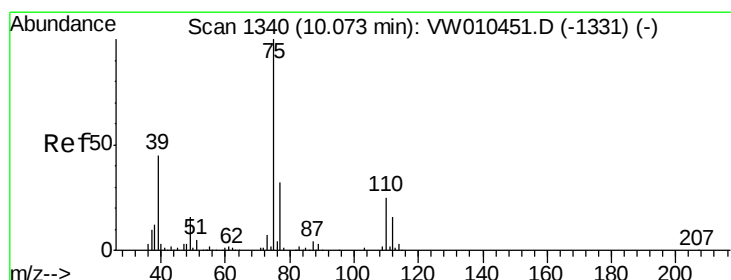
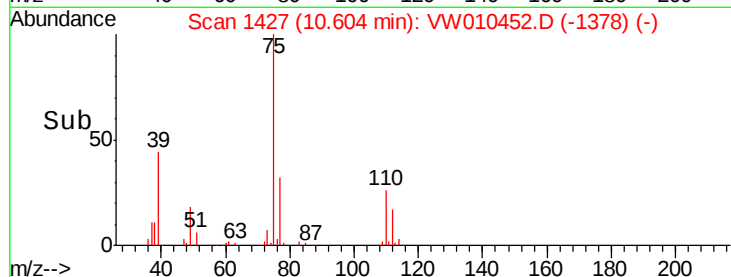
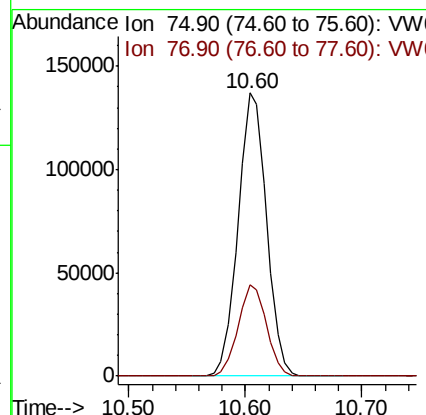
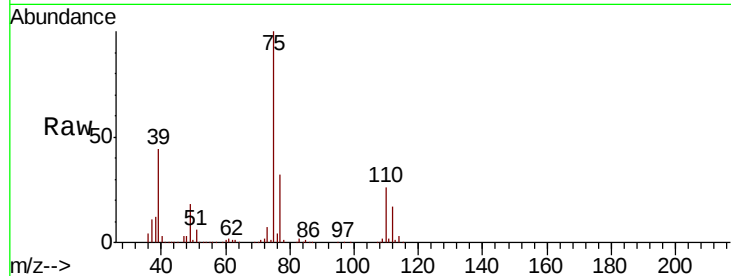




#53
 t-1,3-Dichloropropene
 Concen: 97.582 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

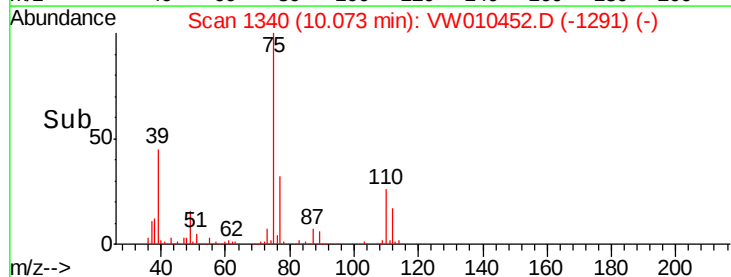
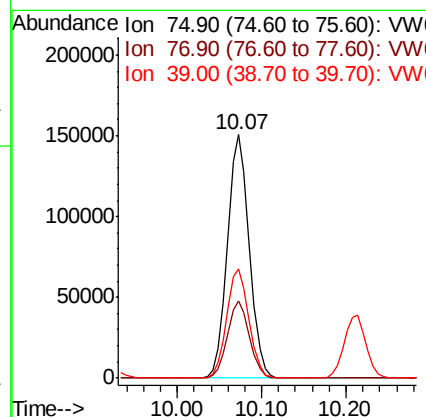
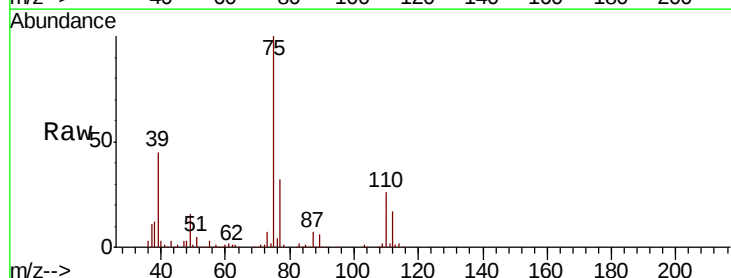
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

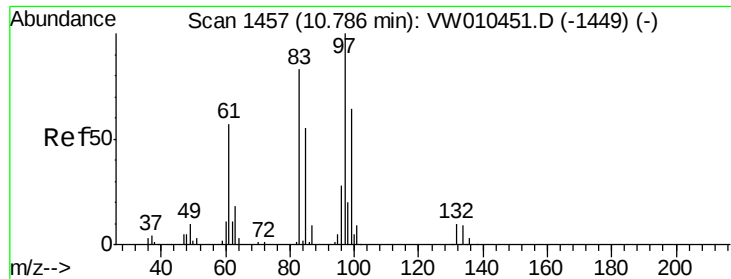
Tot Ion: 75 Resp: 233257
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 98.393 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 75 Resp: 267441
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5
 39 44.7 36.2 54.4

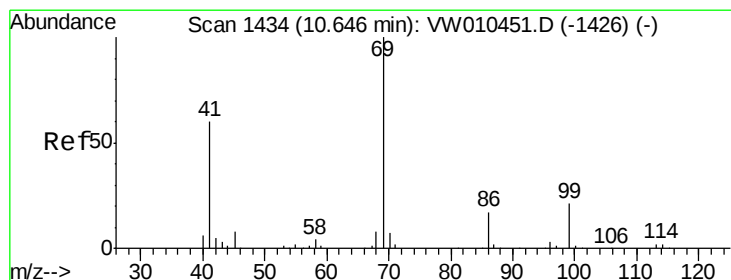
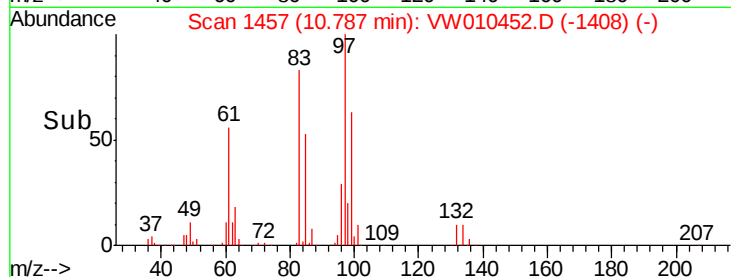
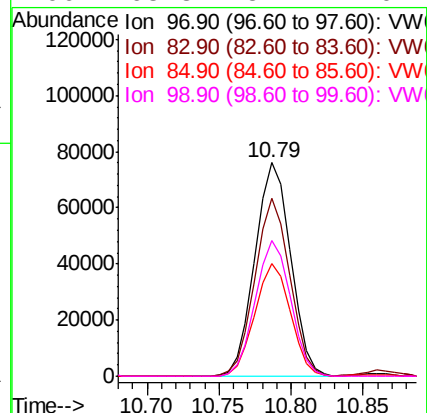
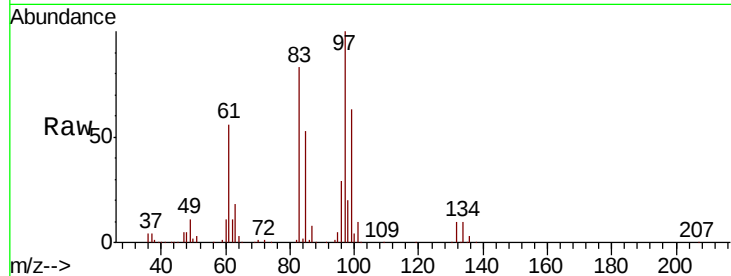




#55
 1,1,2-Trichloroethane
 Concen: 97.043 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

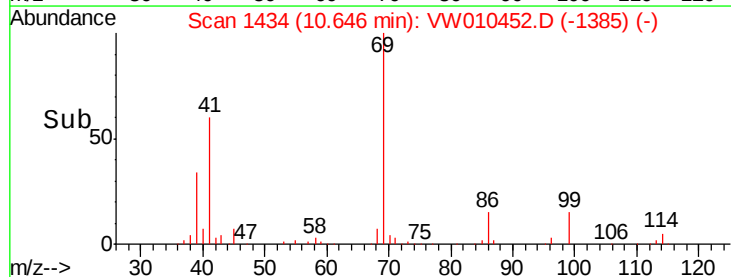
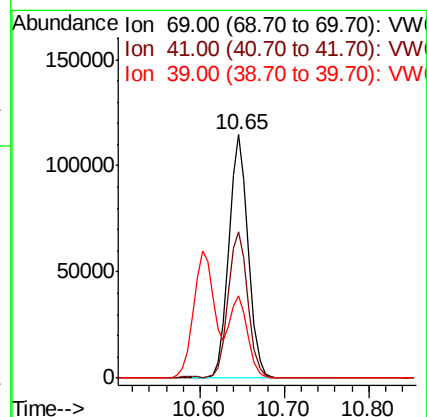
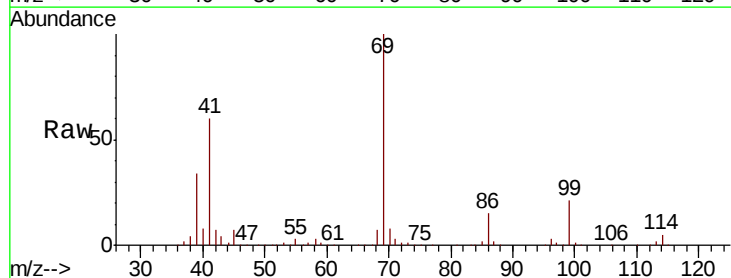
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

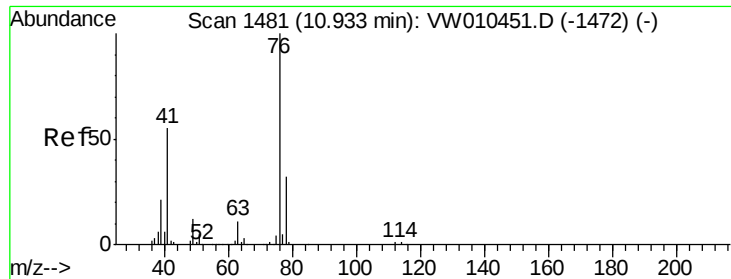
Tot Ion:	97	Resp:	130466
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.1	99.1
85	52.8	44.2	66.4
99	63.3	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 96.266 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion:	69	Resp:	180728
Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.7	71.5
39	31.6	25.3	37.9





#57

1,3-Dichloropropane

Concen: 96.577 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

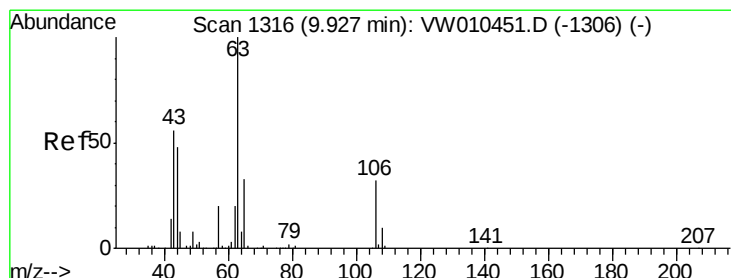
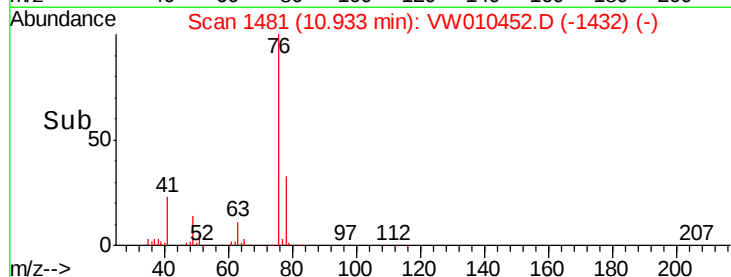
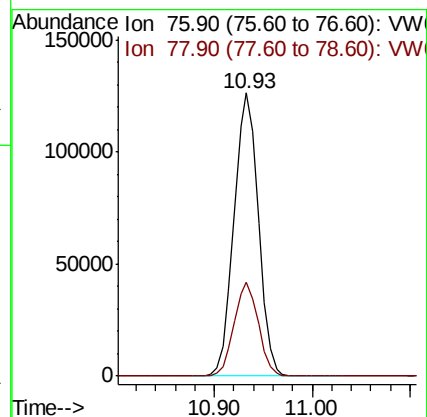
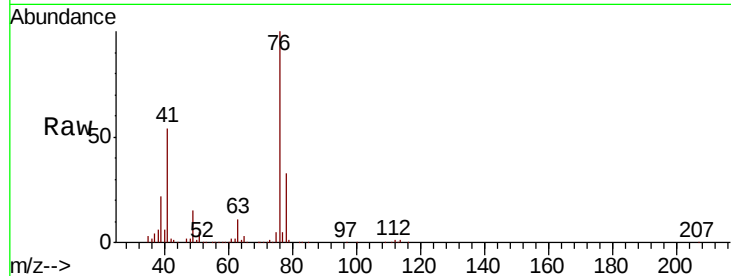
VSTDIC100

Tot Ion: 76 Resp: 217939

Ion Ratio Lower Upper

76 100

78 32.9 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 469.569 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW010452.D

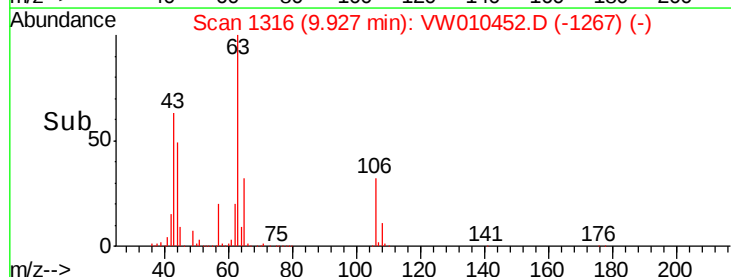
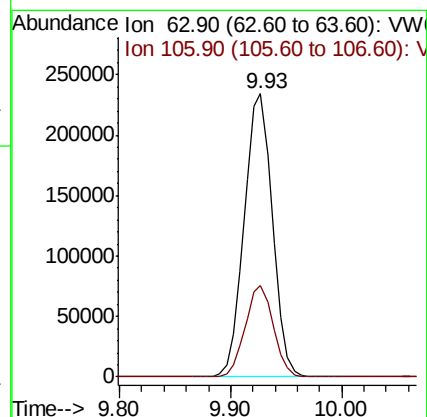
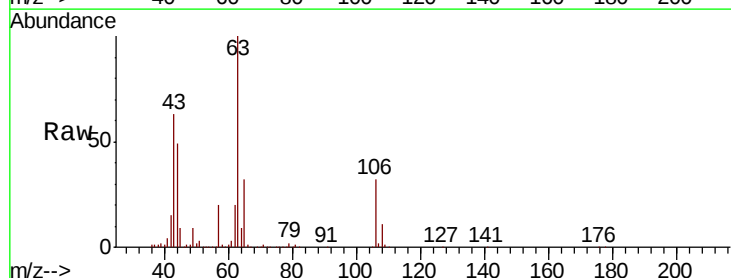
Acq: 20 May 2019 16:54

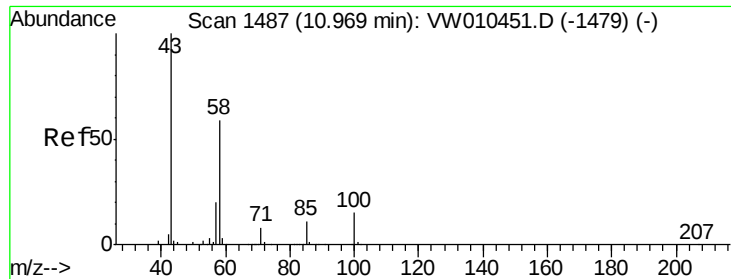
Tgt Ion: 63 Resp: 410541

Ion Ratio Lower Upper

63 100

106 32.4 25.8 38.6

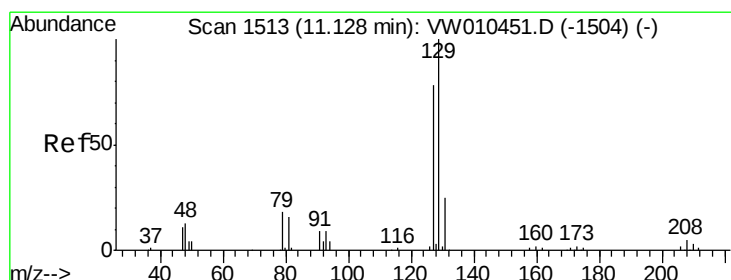
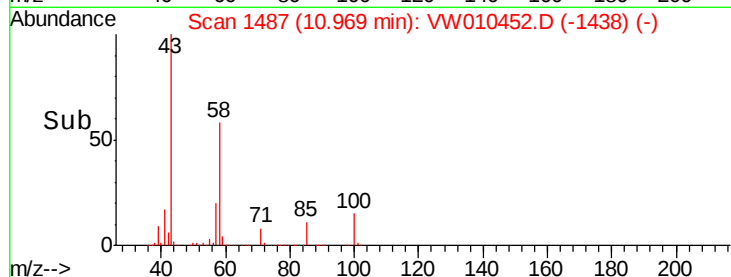
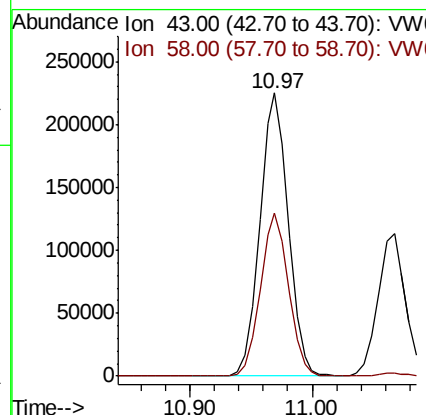
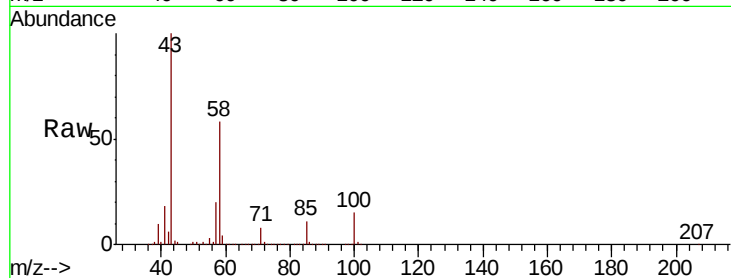




#59
2-Hexanone
Concen: 467.913 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

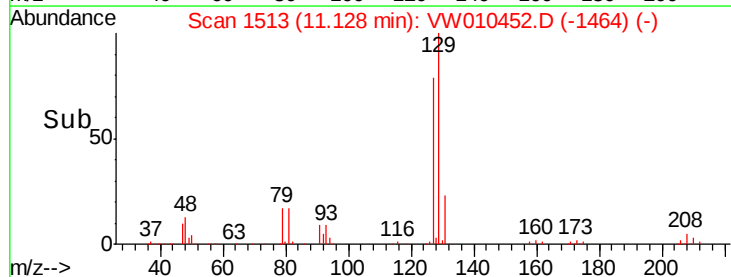
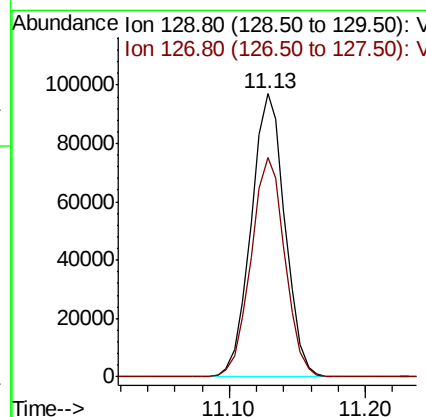
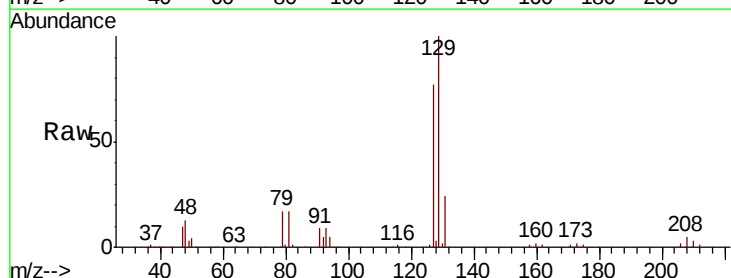
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

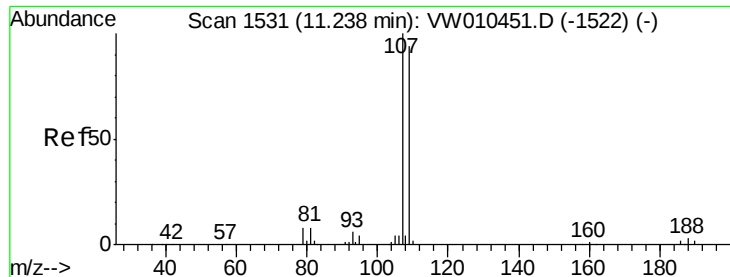
Tot Ion: 43 Resp: 363377
Ion Ratio Lower Upper
43 100
58 57.1 28.9 86.8



#60
Dibromochloromethane
Concen: 101.298 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 129 Resp: 169434
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

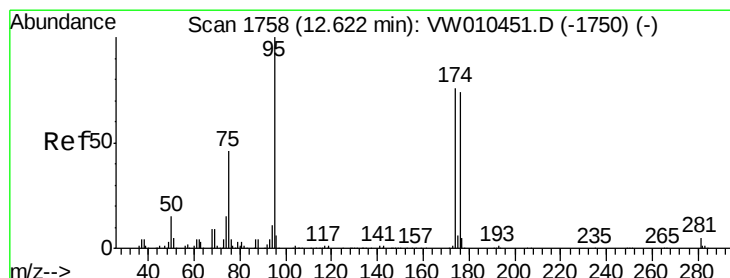
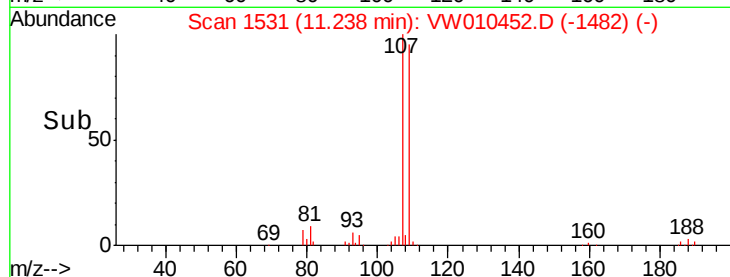
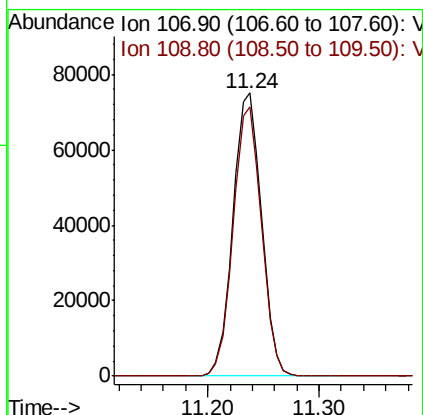
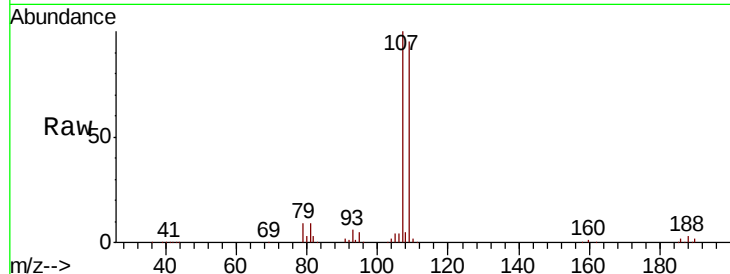




#61
 1,2-Dibromoethane
 Concen: 97.344 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

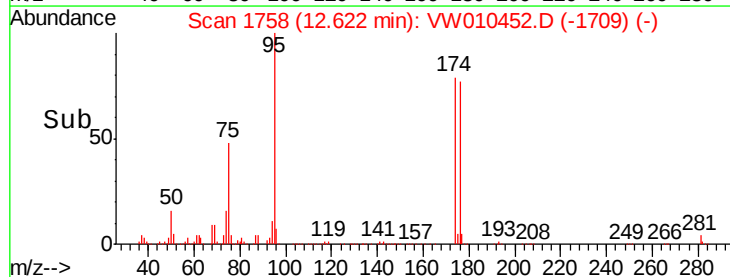
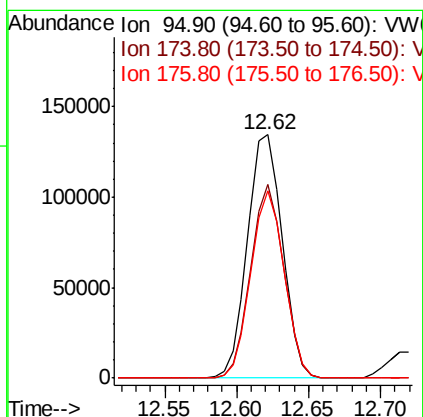
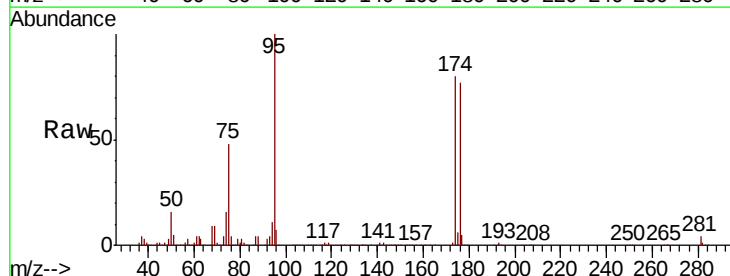
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

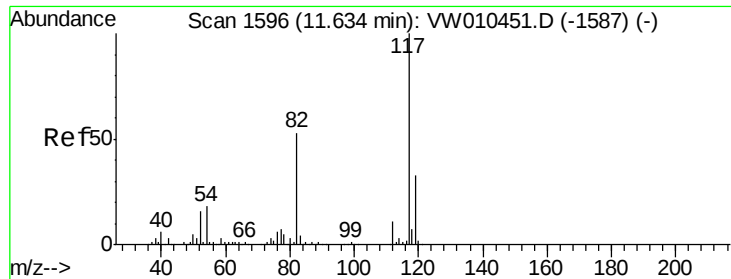
Tot Ion: 107 Resp: 132902
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 97.976 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 95 Resp: 224756
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 148.6
 176 73.9 0.0 144.2

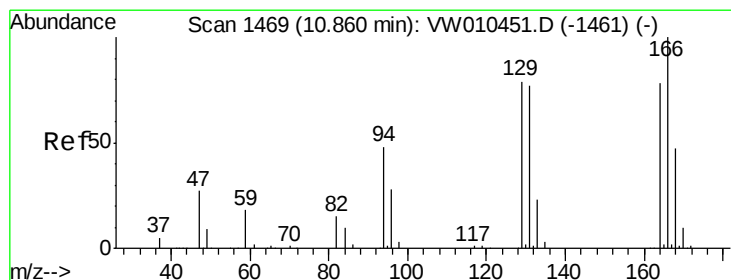
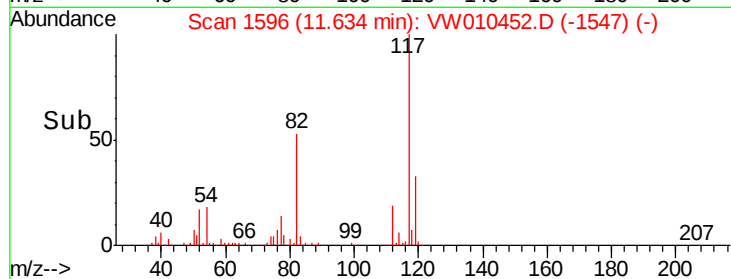
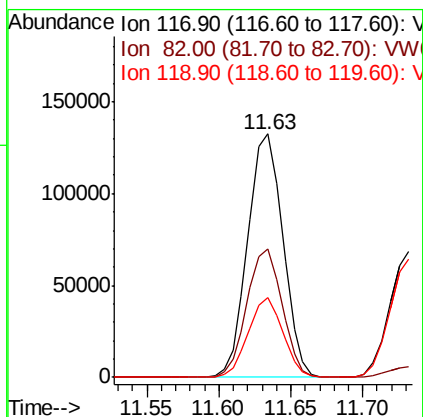
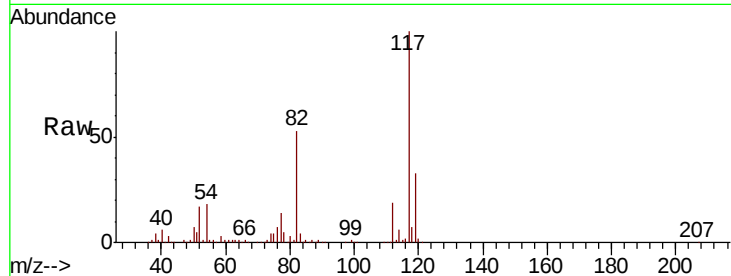




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

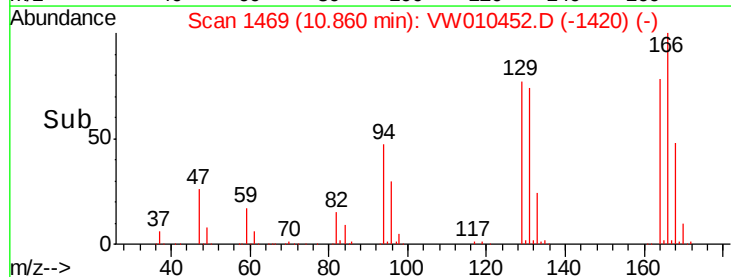
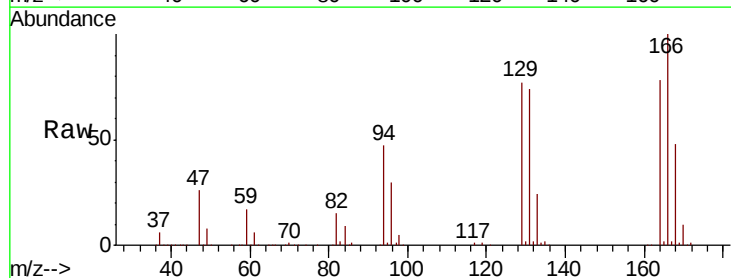
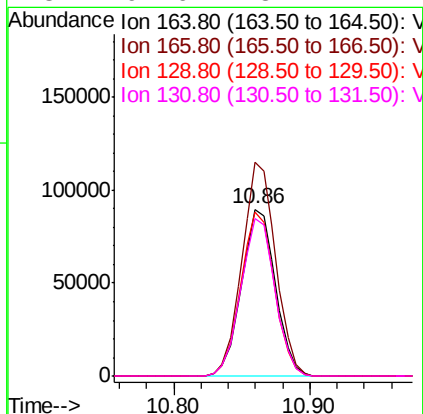
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

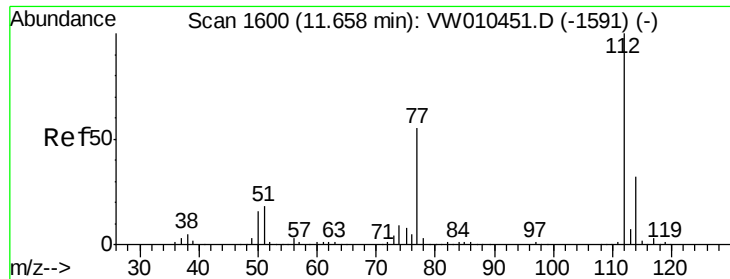
Tot Ion:117 Resp: 224750
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.6 26.3 39.5



#64
Tetrachloroethene
Concen: 103.787 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:164 Resp: 155961
Ion Ratio Lower Upper
164 100
166 128.3 101.9 152.9
129 98.3 80.6 121.0
131 94.6 78.2 117.2

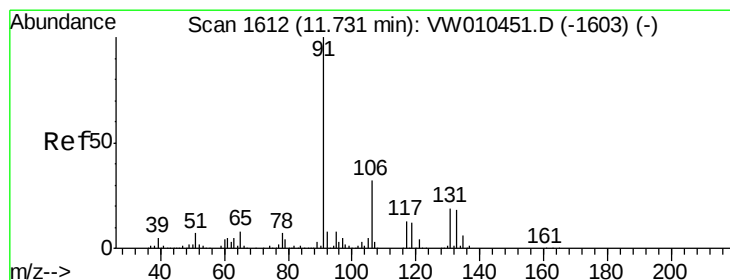
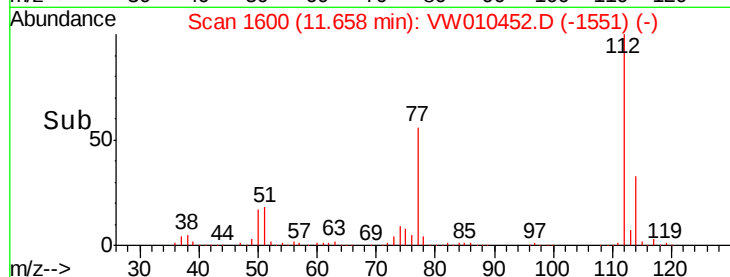
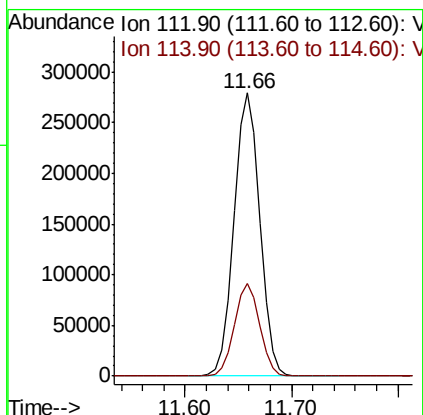
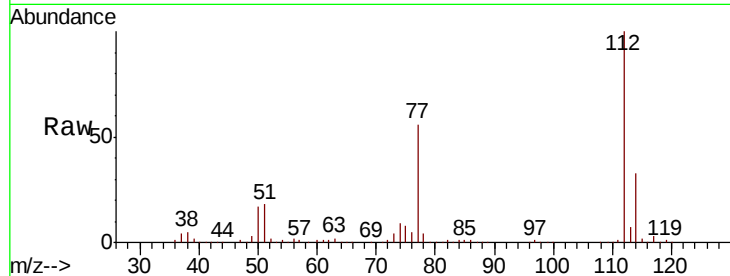




#65
Chlorobenzene
Concen: 102.568 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

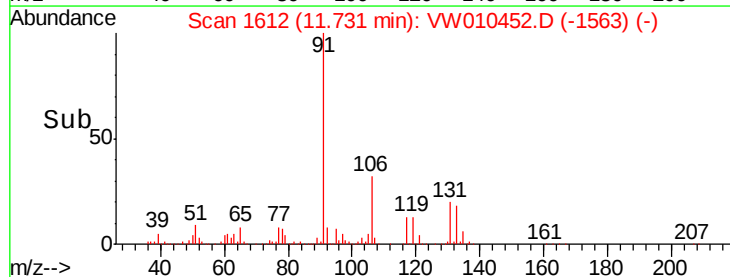
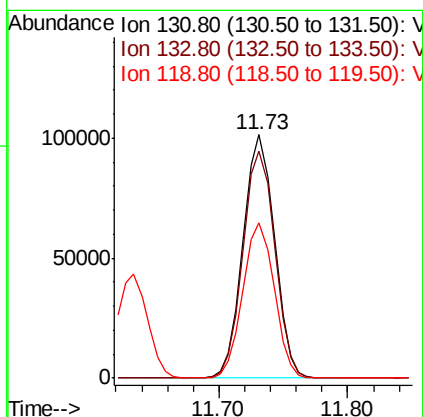
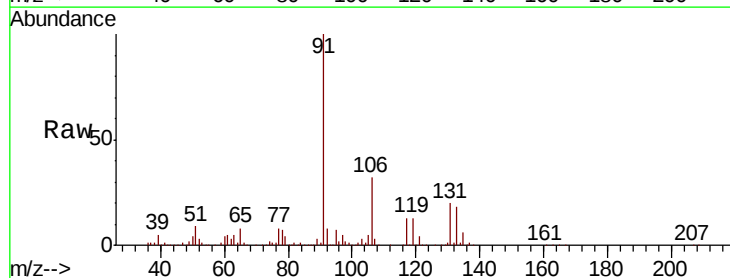
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

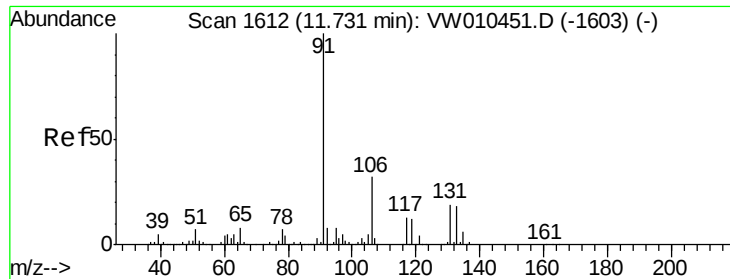
Tot Ion:112 Resp: 473877
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 100.705 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:131 Resp: 171531
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 63.8 32.1 96.5

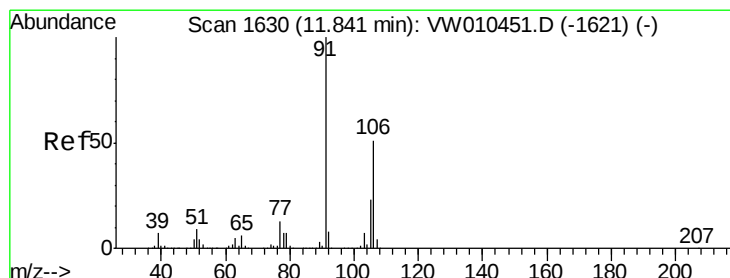
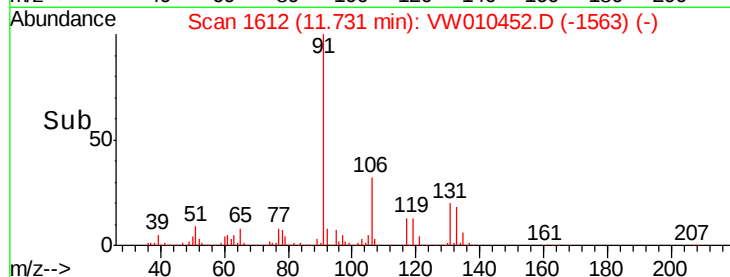
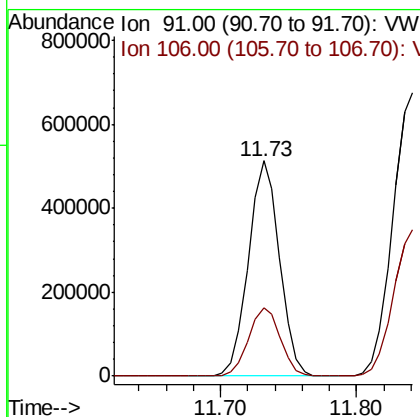
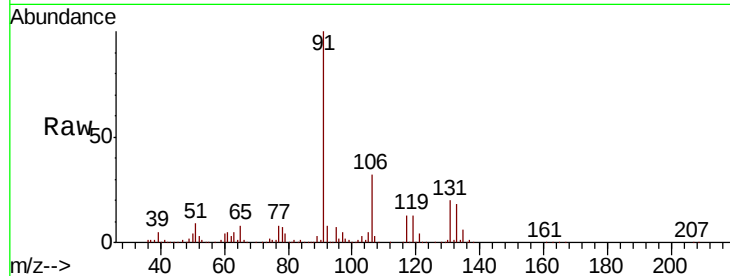




#67
Ethyl Benzene
Concen: 100.765 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

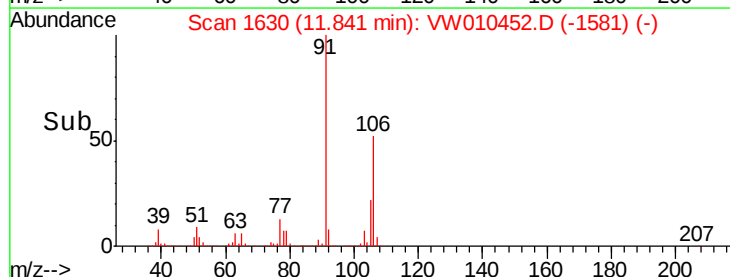
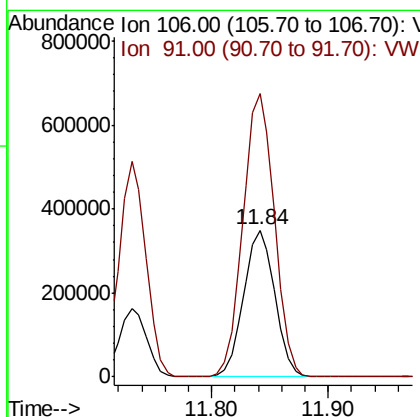
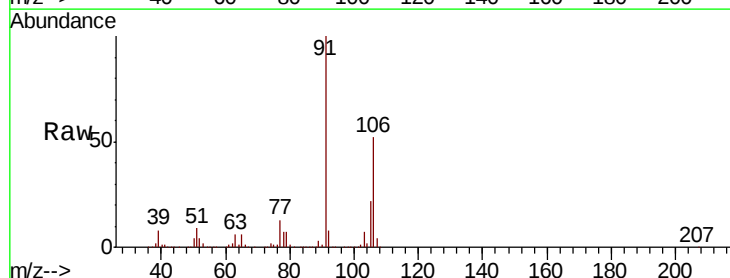
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

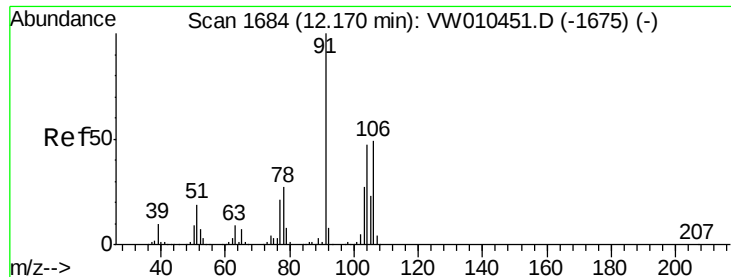
Tot Ion: 91 Resp: 822338
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 203.742 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 106 Resp: 651146
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0

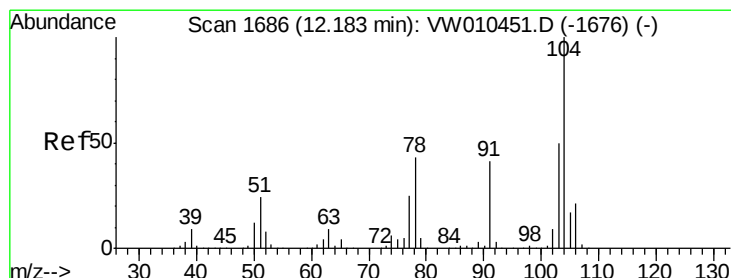
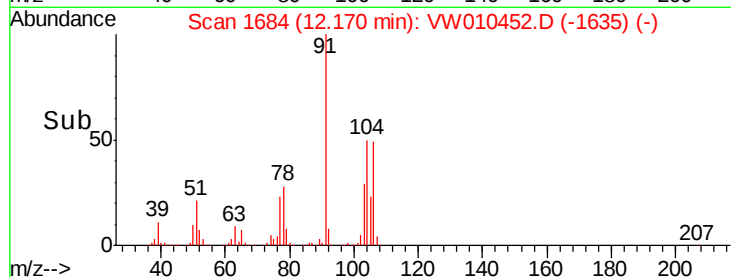
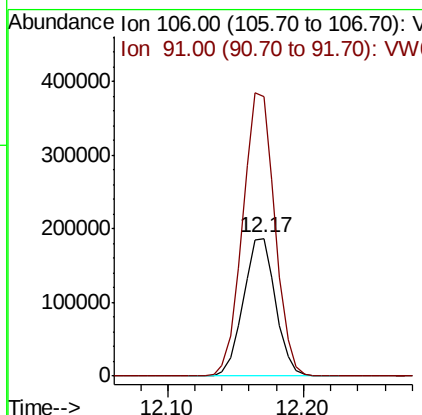
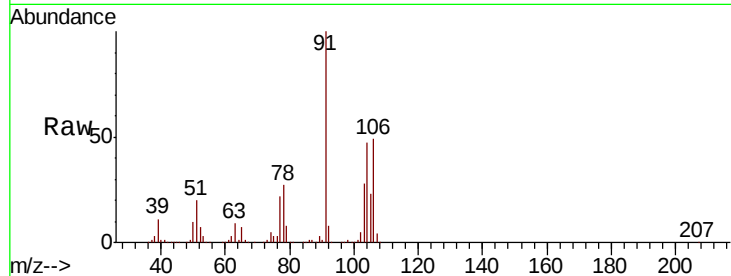




#69
o-Xylene
Concen: 101.601 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

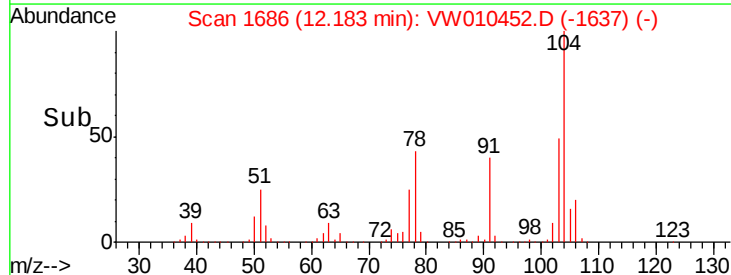
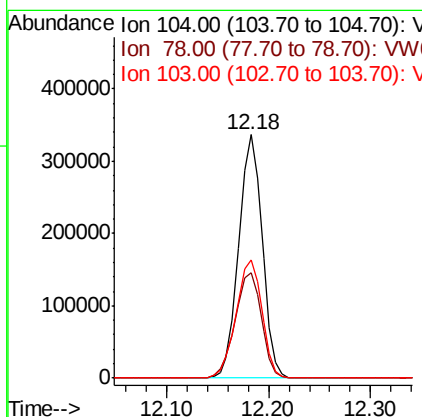
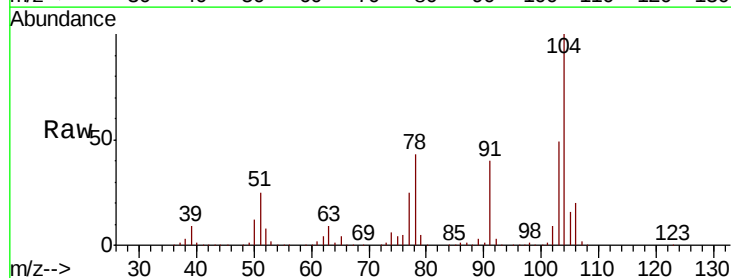
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

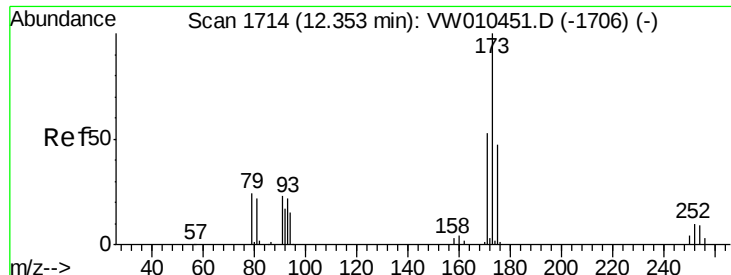
Tot Ion:106 Resp: 308915
Ion Ratio Lower Upper
106 100
91 205.6 103.2 309.4



#70
Styrene
Concen: 102.473 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:104 Resp: 535609
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 53.2 43.0 64.6





#71

Bromoform

Concen: 105.871 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

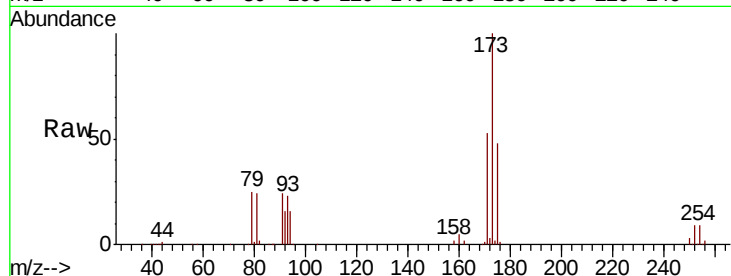
Tot Ion:173 Resp: 100214

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

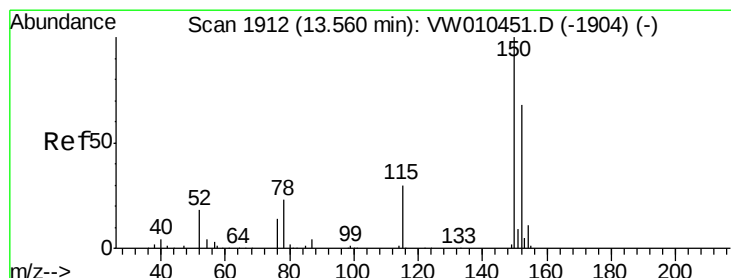
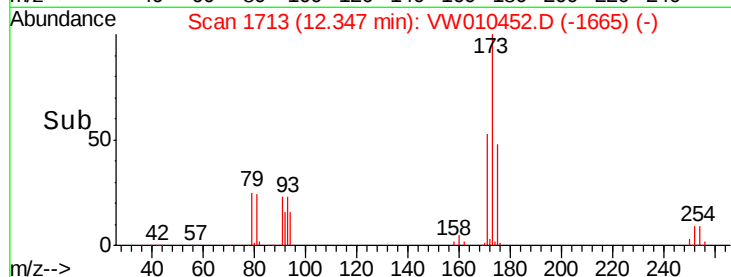
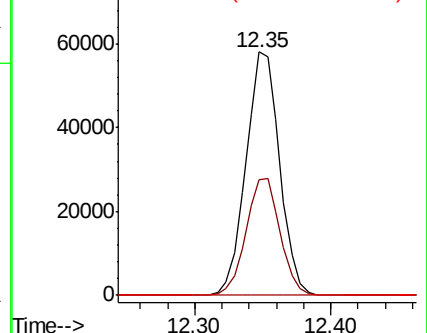
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

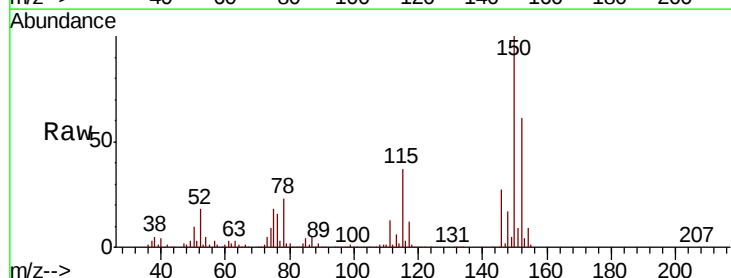
Tgt Ion:152 Resp: 110846

Ion Ratio Lower Upper

152 100

115 59.5 30.3 91.0

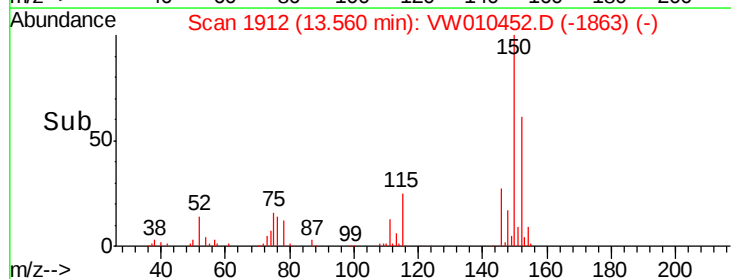
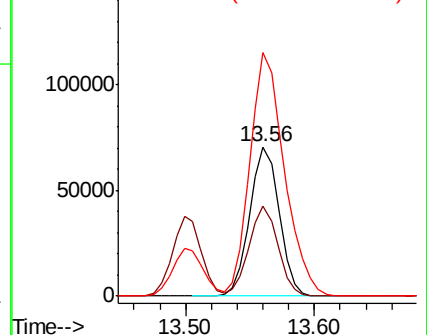
150 191.0 0.0 349.8

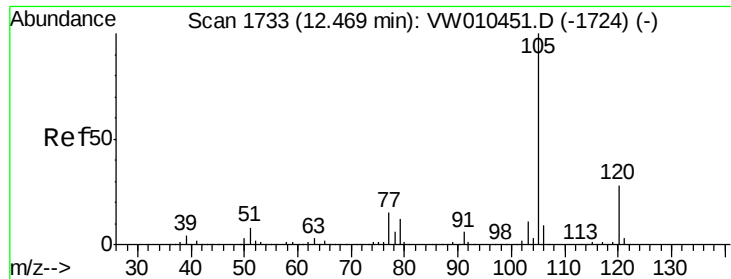


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.483 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

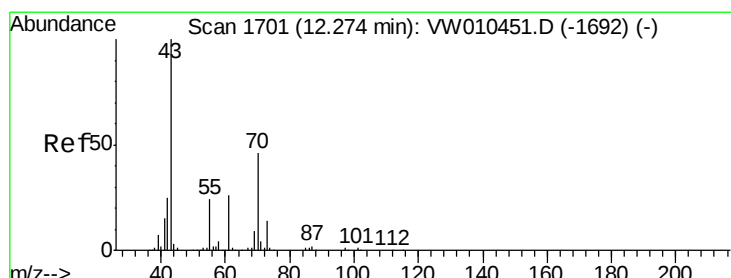
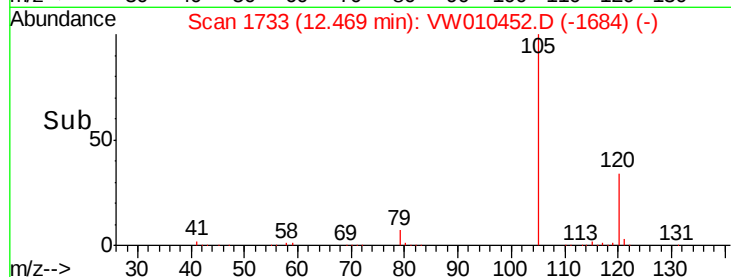
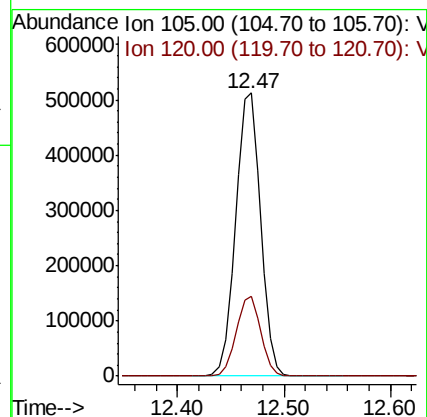
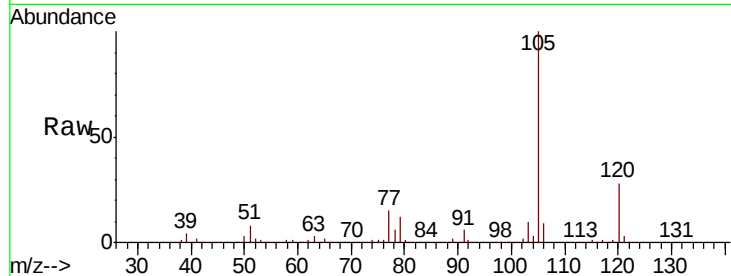
VSTDIC100

Tot Ion:105 Resp: 839657

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



#74

N-ethyl acetate

Concen: 92.681 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion: 43 Resp: 201958

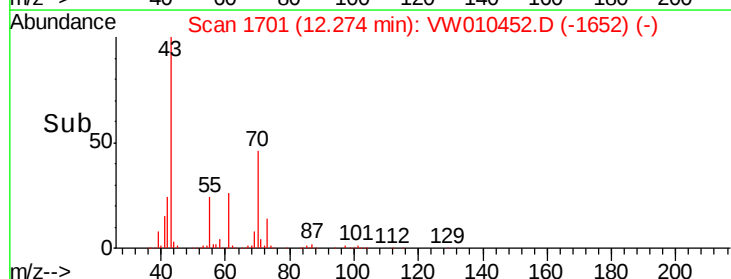
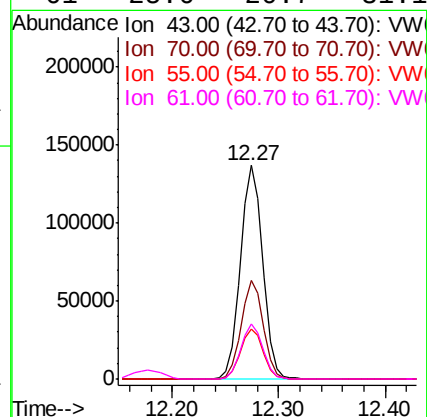
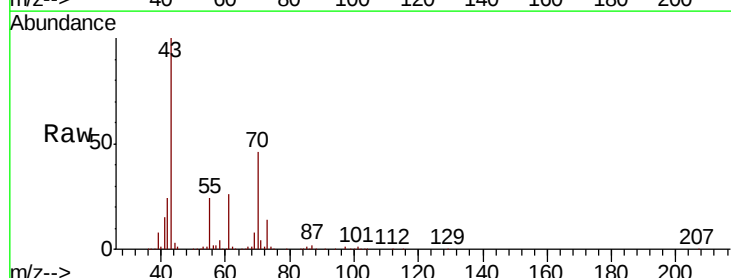
Ion Ratio Lower Upper

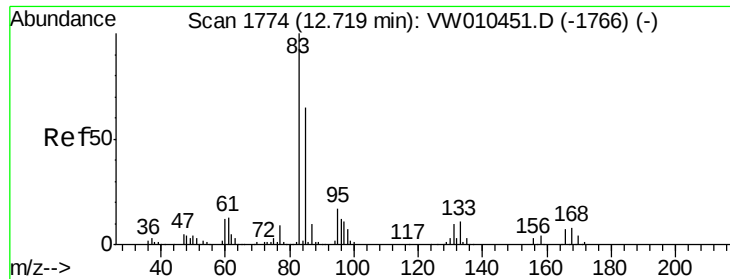
43 100

70 45.8 37.1 55.7

55 23.9 19.6 29.4

61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 90.669 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

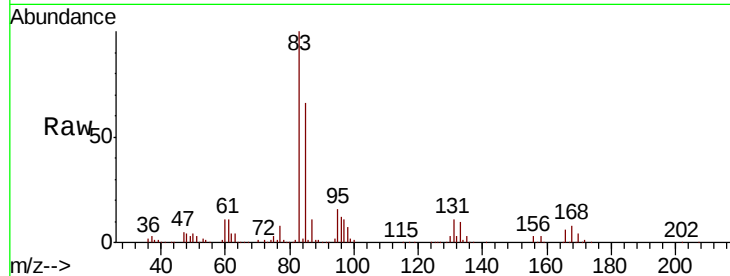
Tot Ion: 83 Resp: 152984

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

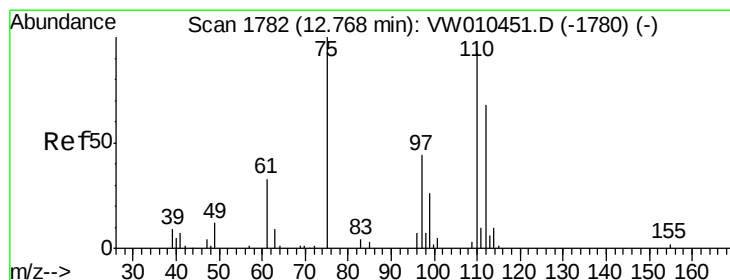
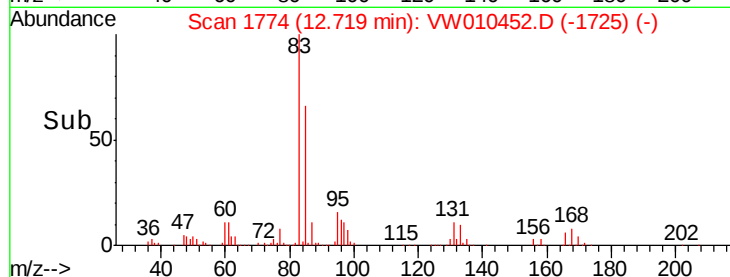
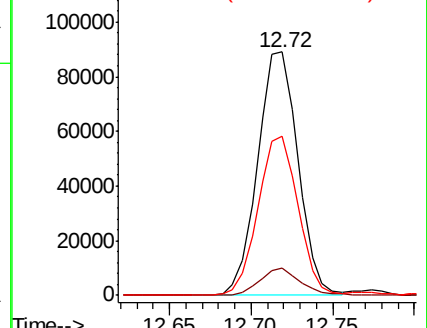
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 168.333 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010452.D

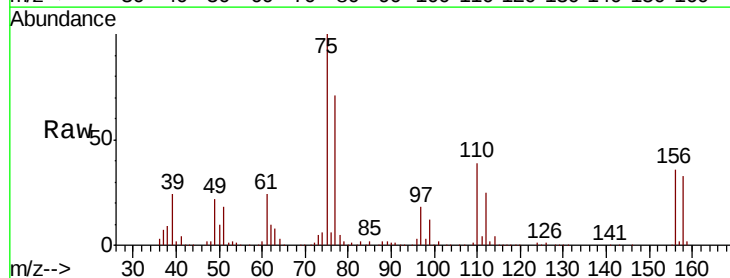
Acq: 20 May 2019 16:54

Tgt Ion: 75 Resp: 198025

Ion Ratio Lower Upper

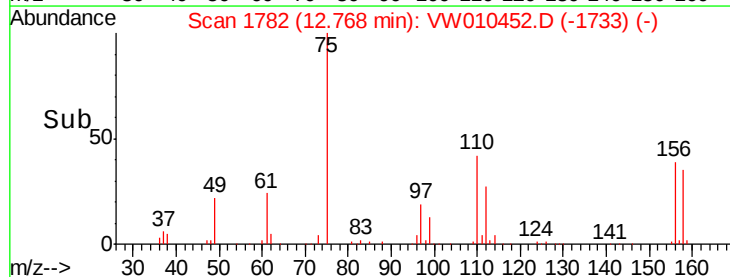
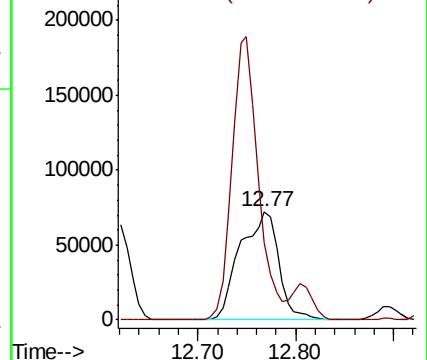
75 100

77 176.9 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 98.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

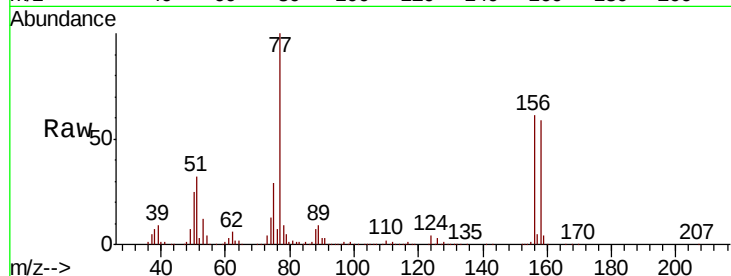
Tot Ion:156 Resp: 193695

Ion Ratio Lower Upper

156 100

77 180.9 92.4 277.2

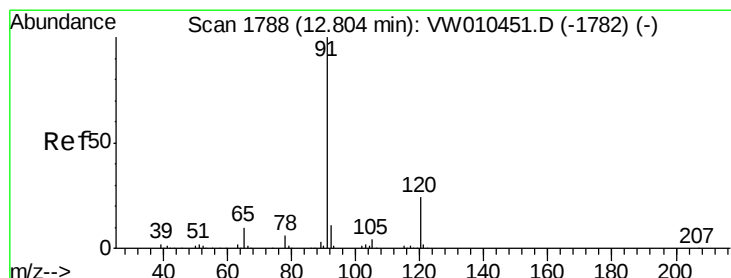
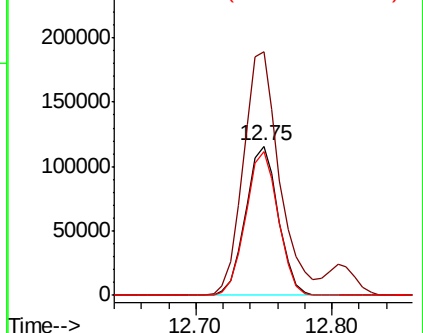
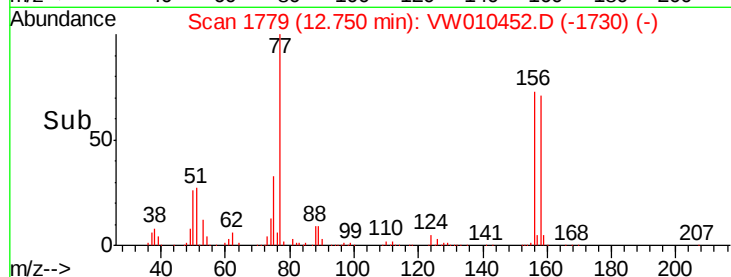
158 96.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 96.827 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010452.D

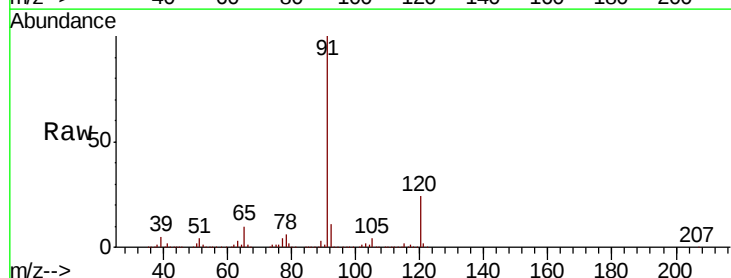
Acq: 20 May 2019 16:54

Tgt Ion: 91 Resp: 974947

Ion Ratio Lower Upper

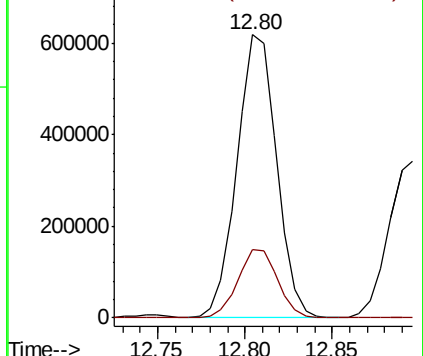
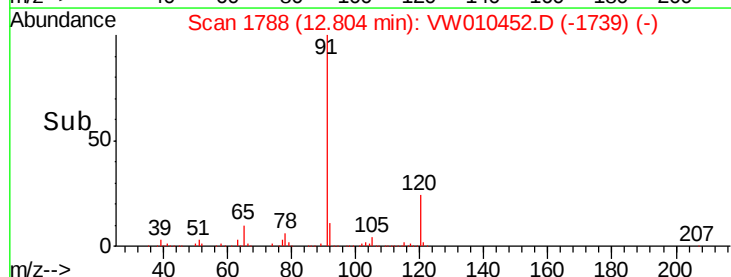
91 100

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

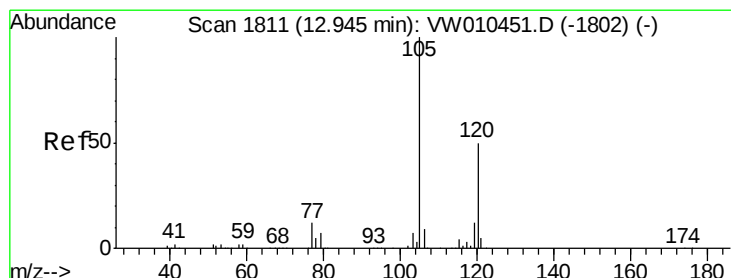
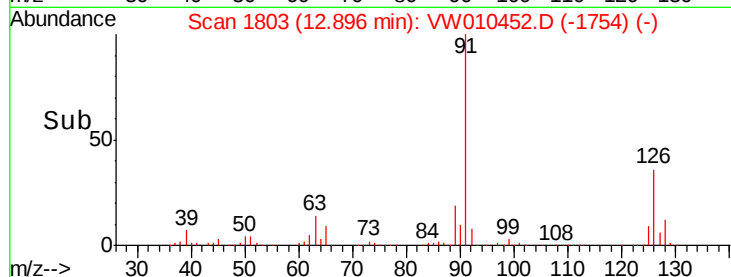
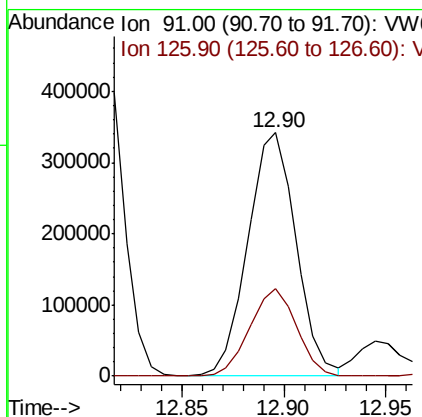
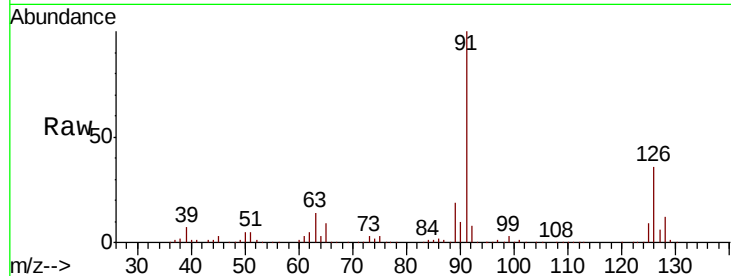




#79
2-Chlorotoluene
Concen: 95.433 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

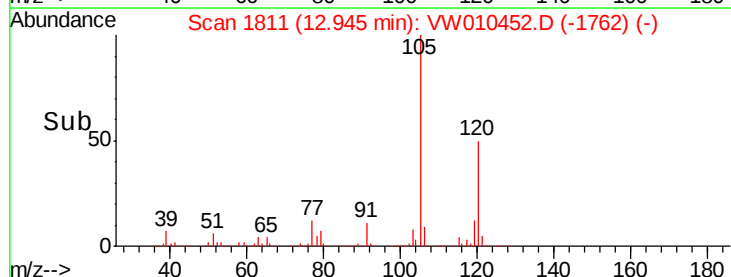
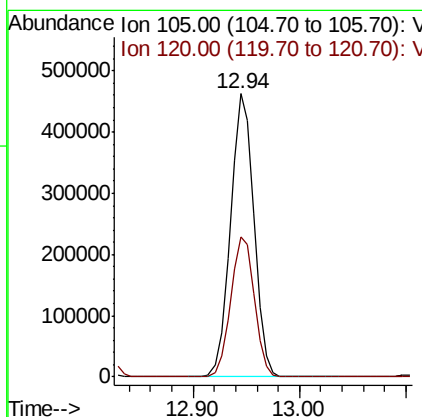
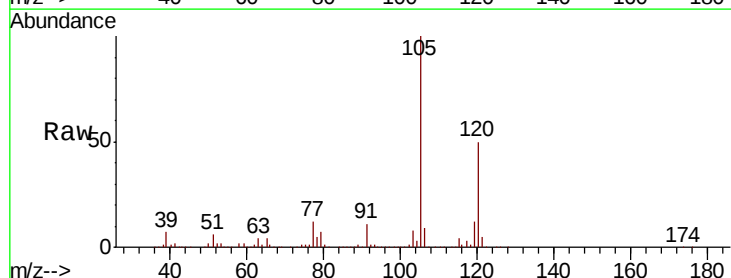
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

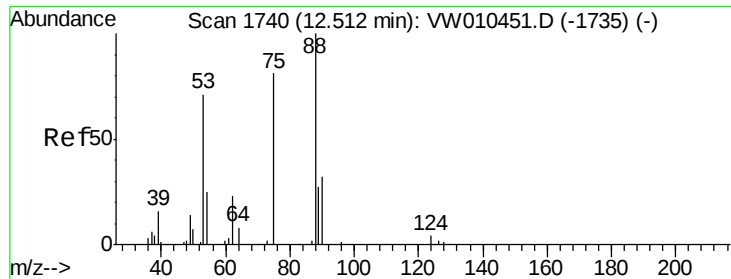
Tot Ion: 91 Resp: 560669
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 96.386 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:105 Resp: 712260
Ion Ratio Lower Upper
105 100
120 50.2 25.2 75.6

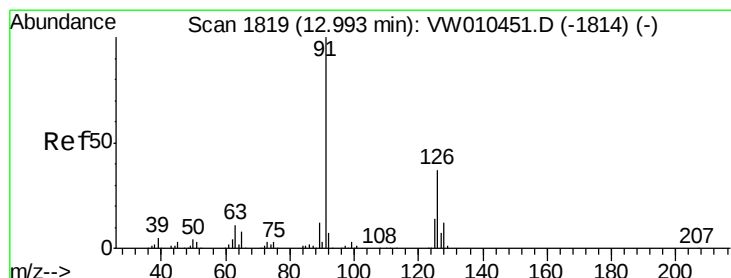
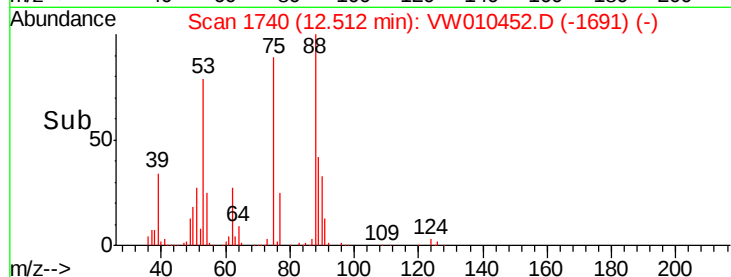
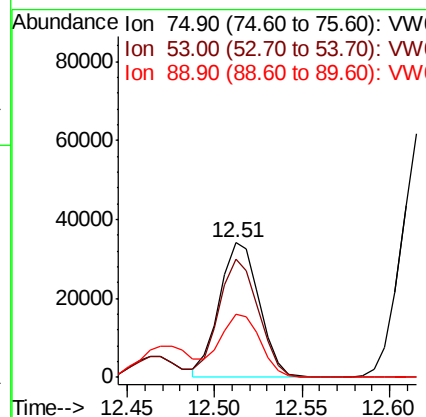
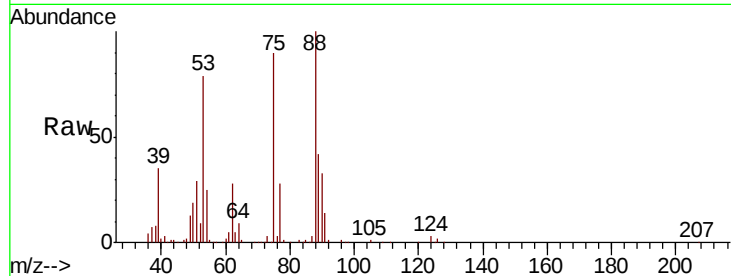




#81
trans-1,4-Dichloro-2-butene
Concen: 90.483 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

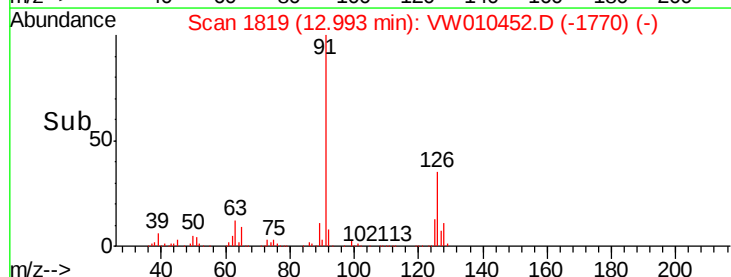
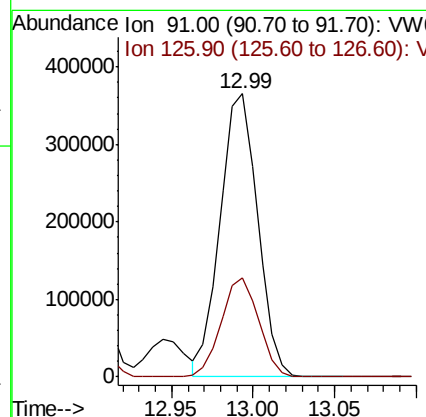
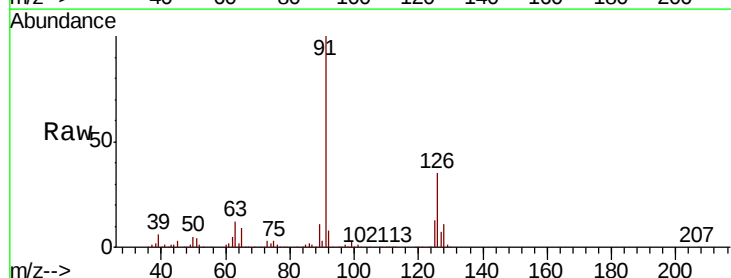
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

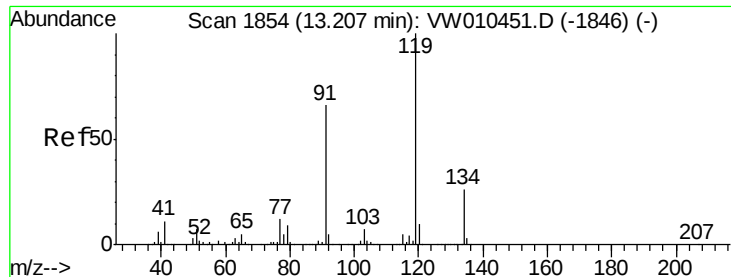
Tot Ion: 75 Resp: 53934
Ion Ratio Lower Upper
75 100
53 87.2 69.8 104.8
89 46.6 39.5 59.3



#82
4-Chlorotoluene
Concen: 95.608 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 91 Resp: 585532
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6

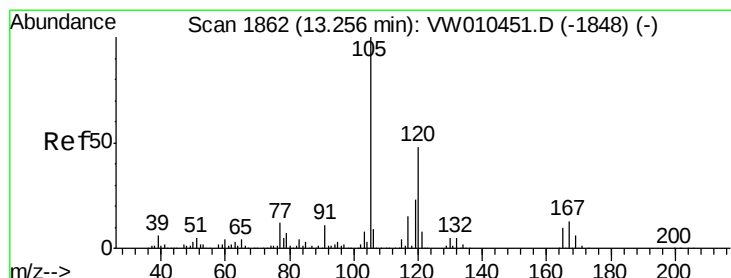
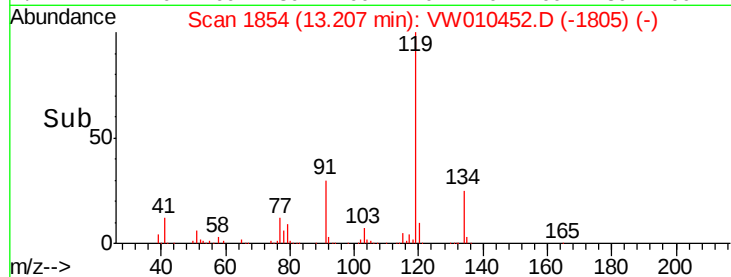
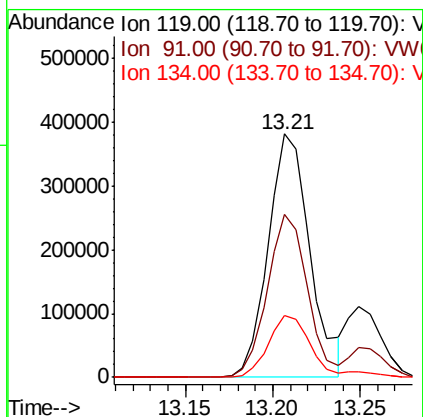
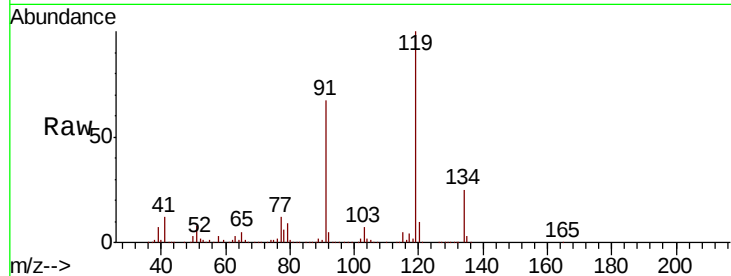




#83
tert-Butylbenzene
Concen: 101.642 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

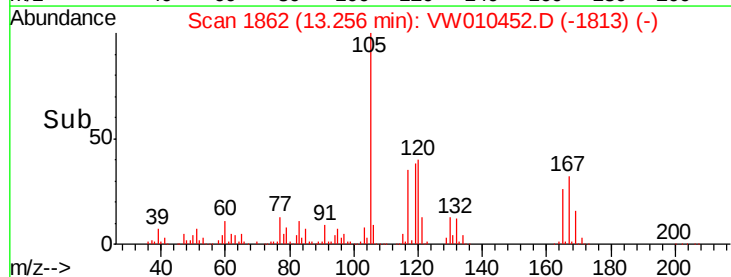
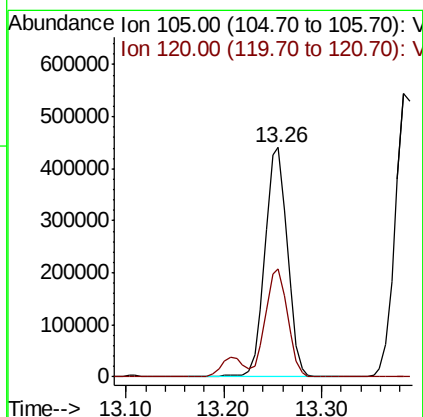
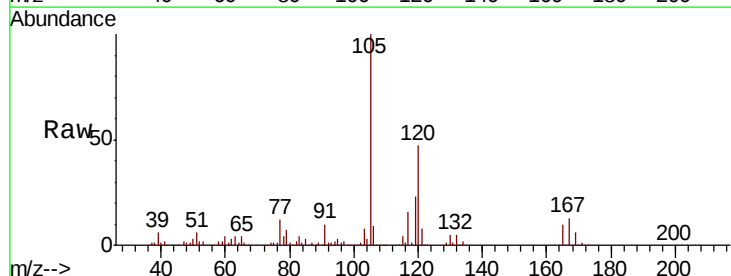
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

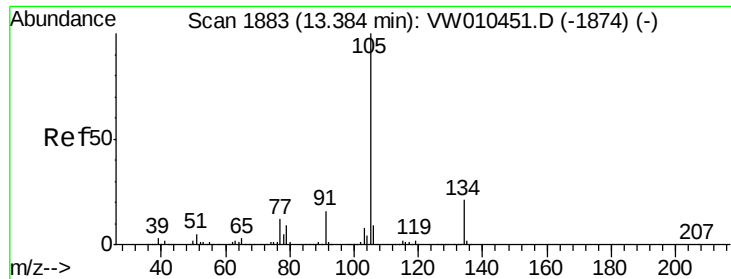
Tot Ion:119 Resp: 636947
Ion Ratio Lower Upper
119 100
91 64.1 33.1 99.5
134 26.6 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 96.231 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:105 Resp: 701001
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2





#85

sec-Butylbenzene

Concen: 97.503 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

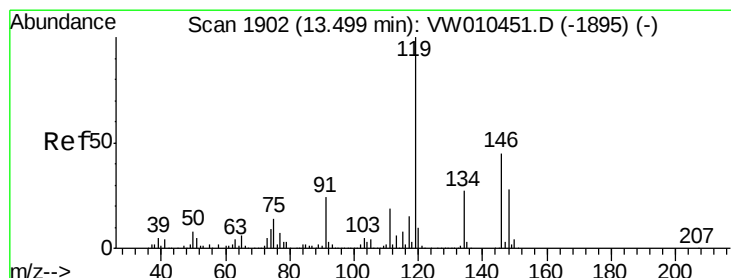
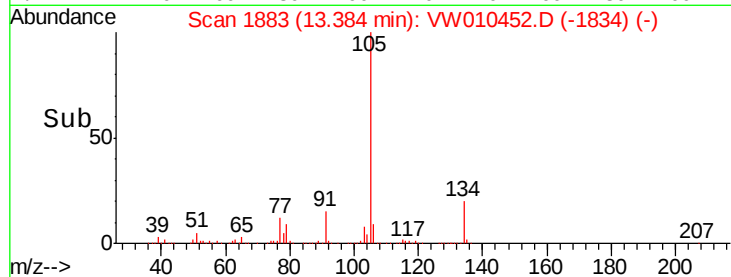
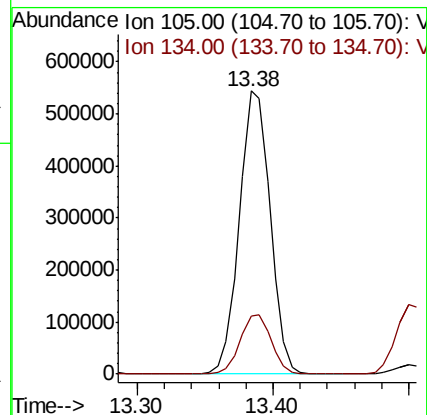
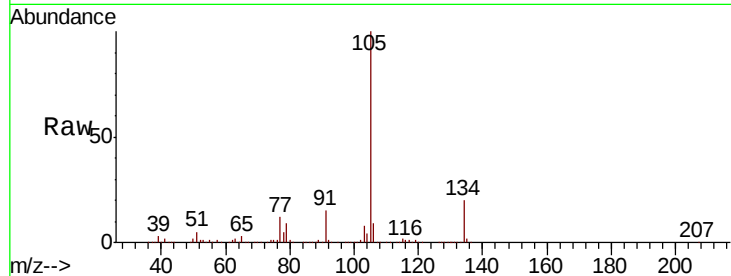
VSTDIC100

Tot Ion:105 Resp: 859427

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6



#86

p-Isopropyltoluene

Concen: 97.366 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

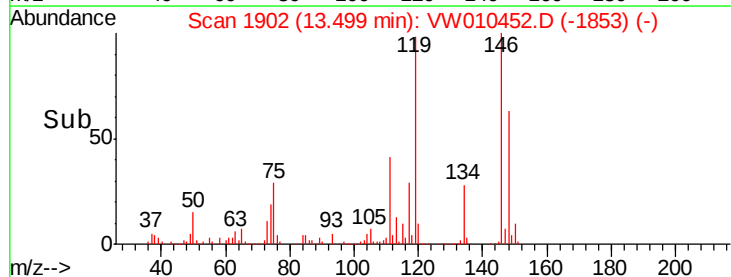
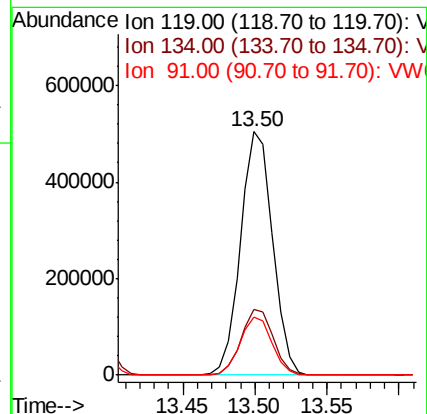
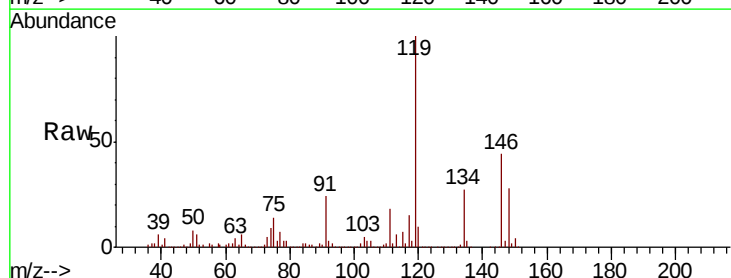
Tgt Ion:119 Resp: 777163

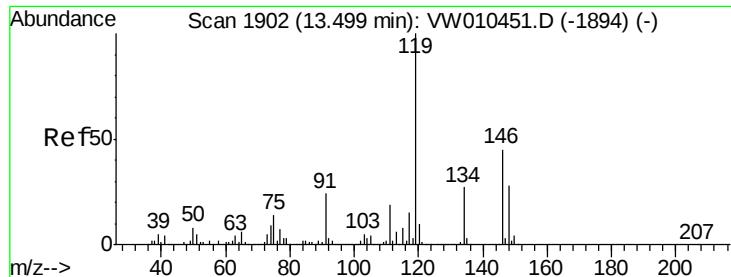
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 23.8 11.9 35.7

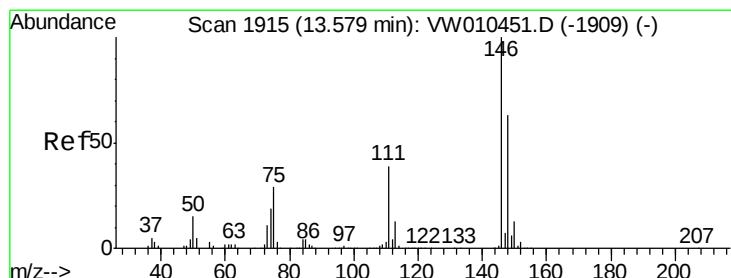
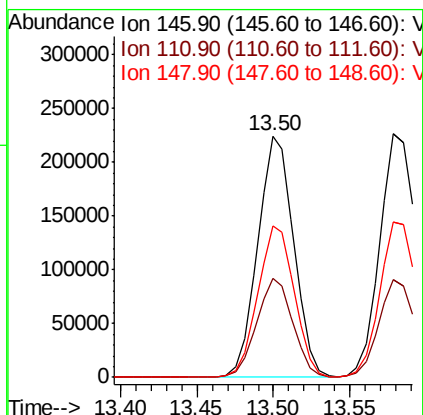
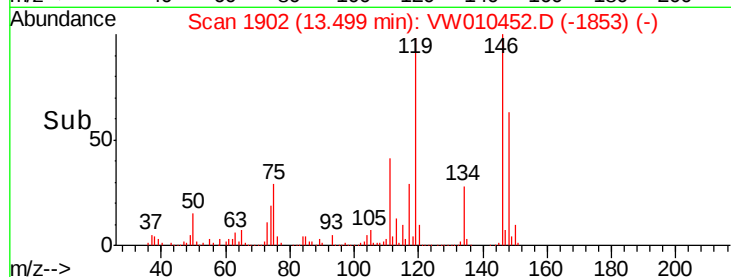
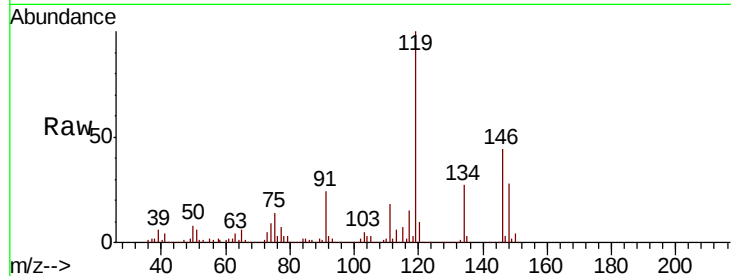




#87
 1,3-Dichlorobenzene
 Concen: 97.341 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

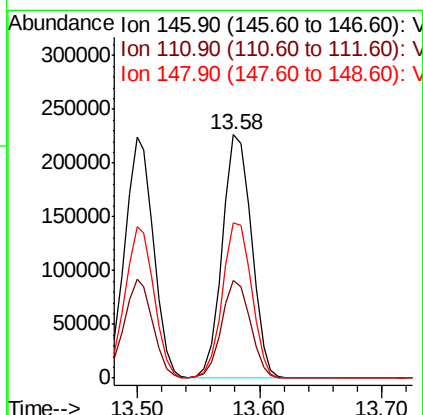
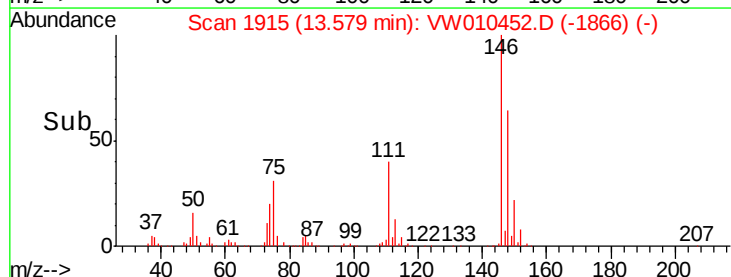
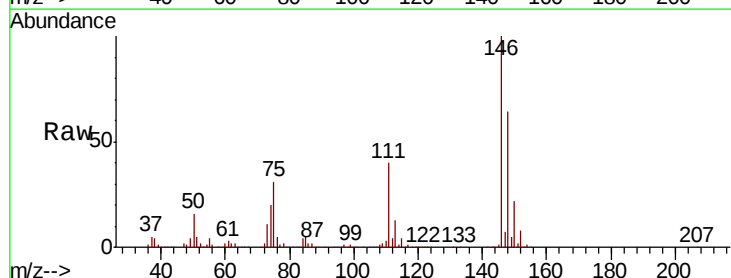
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

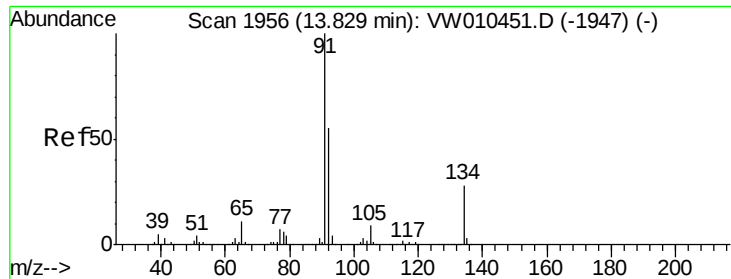
Tot Ion:146 Resp: 367894
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.9
 148 63.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 99.097 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion:146 Resp: 373792
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.6
 148 63.7 31.6 94.8





#89

n-Butylbenzene

Concen: 97.387 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

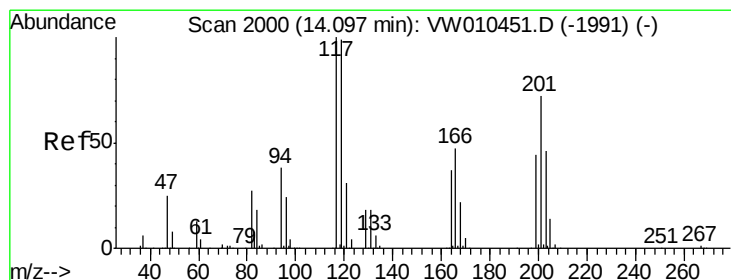
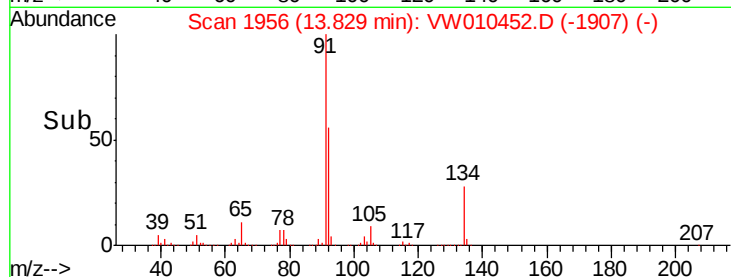
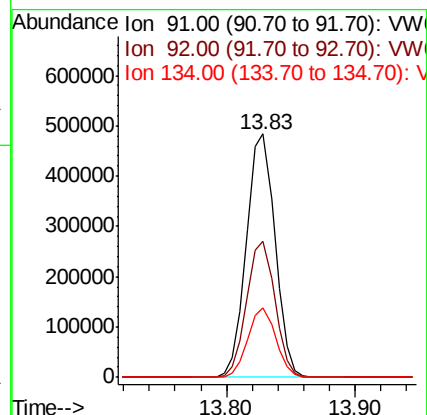
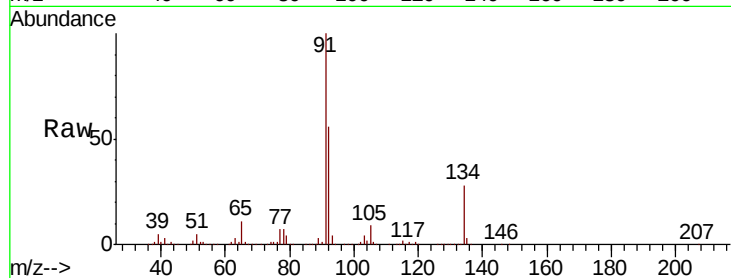
Tot Ion: 91 Resp: 740649

Ion Ratio Lower Upper

91 100

92 55.5 27.7 83.1

134 27.9 13.9 41.6



#90

Hexachloroethane

Concen: 97.749 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010452.D

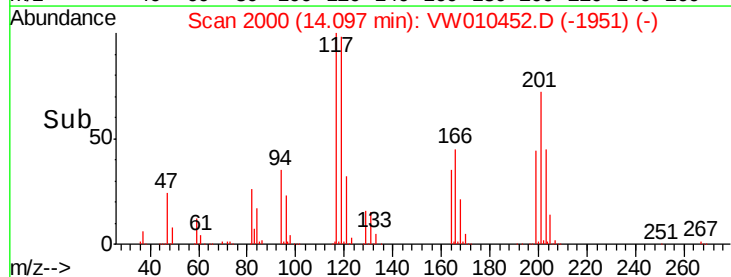
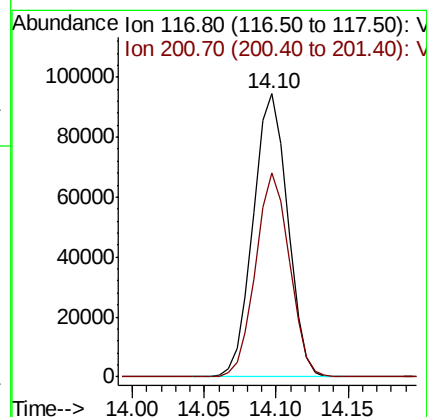
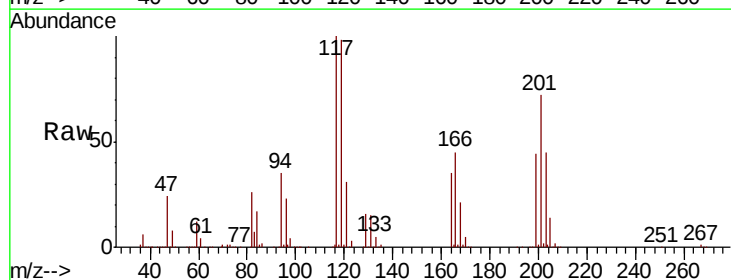
Acq: 20 May 2019 16:54

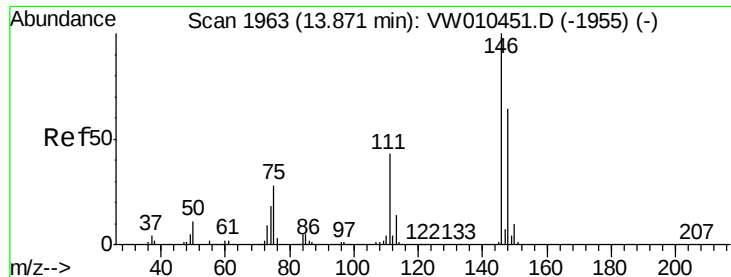
Tgt Ion: 117 Resp: 156274

Ion Ratio Lower Upper

117 100

201 70.9 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 99.475 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

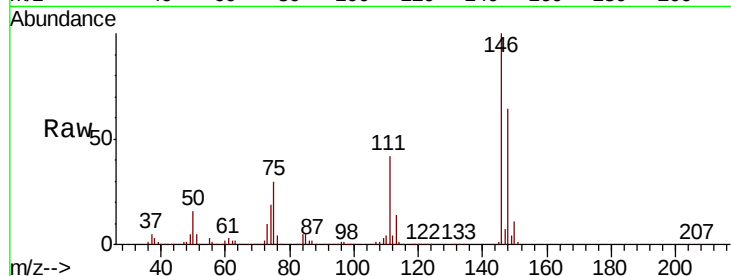
Tot Ion:146 Resp: 340490

Ion Ratio Lower Upper

146 100

111 42.3 21.3 64.0

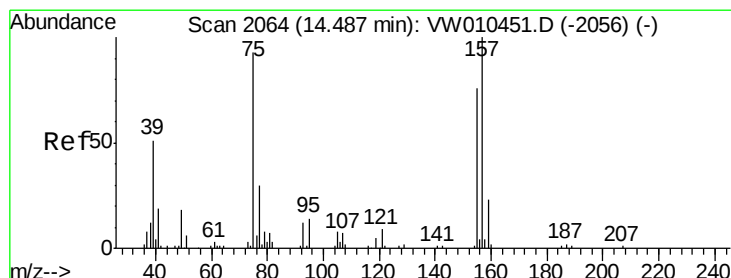
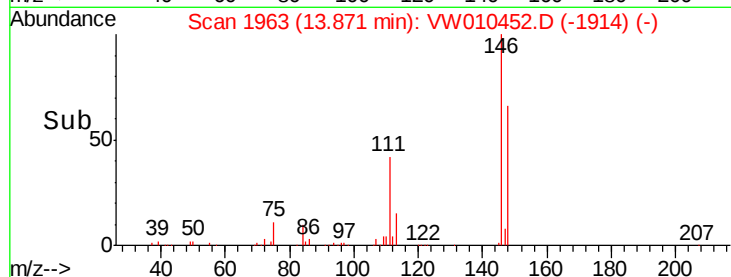
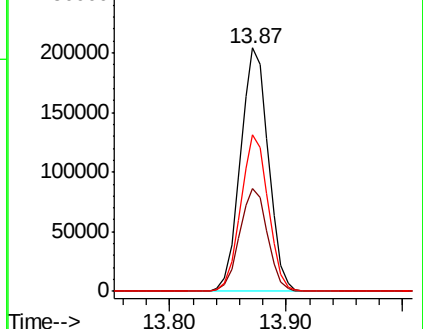
148 63.3 32.0 96.0



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: 89.838 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

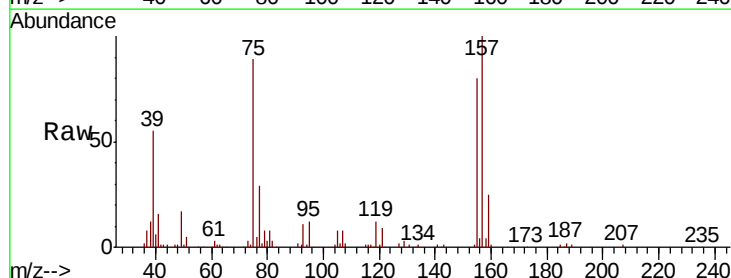
Tgt Ion: 75 Resp: 28270

Ion Ratio Lower Upper

75 100

155 88.6 43.0 129.0

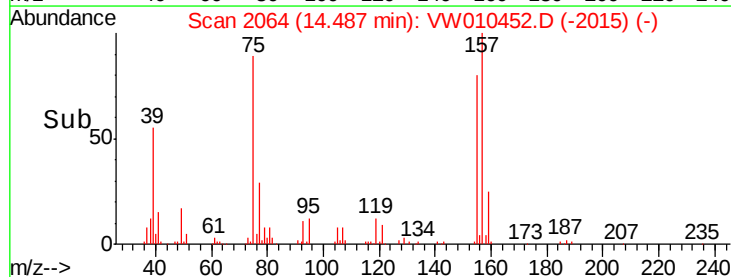
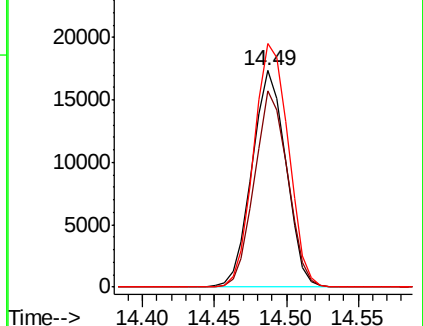
157 114.9 55.7 167.1

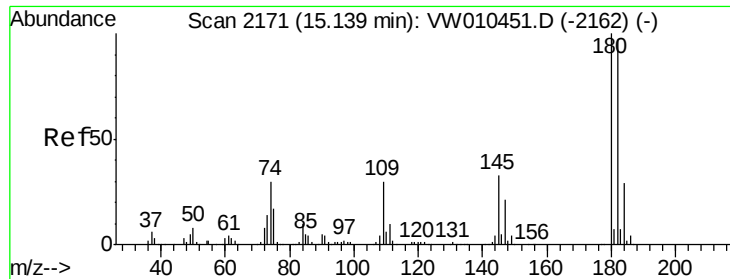


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

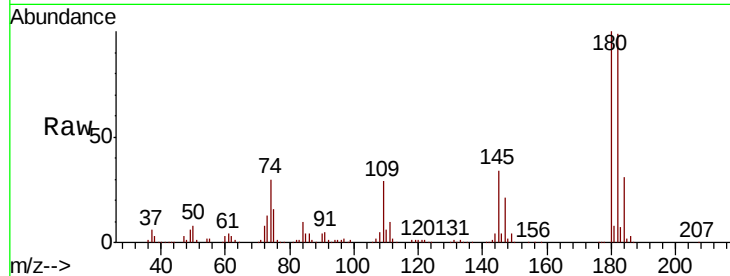




#93
 1,2,4-Trichlorobenzene
 Concen: 103.008 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.2
145	33.3	16.7	50.0

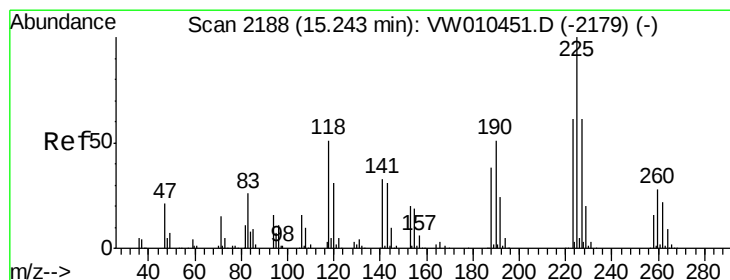
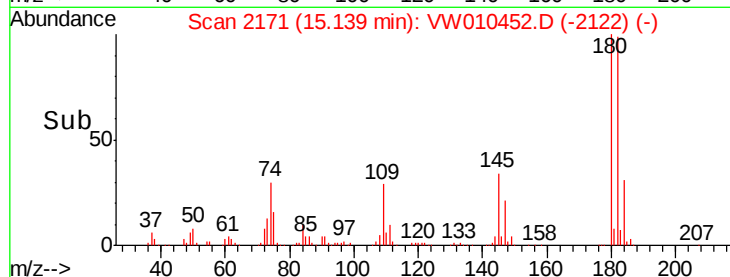
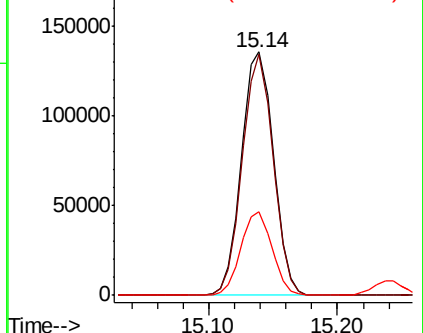


Abundance

Ion 179.80 (179.50 to 180.50): V

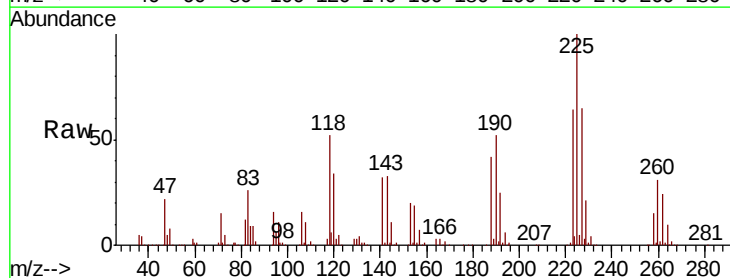
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 104.921 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.2
227	64.0	31.1	93.5

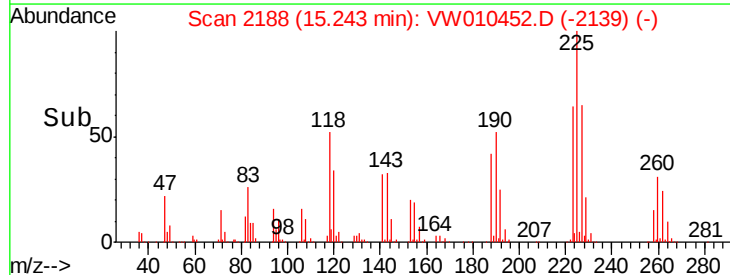
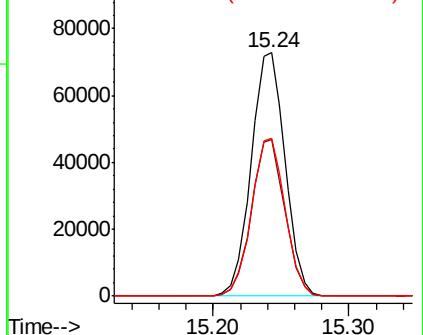


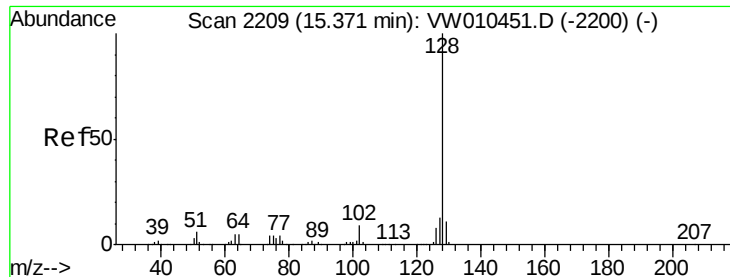
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

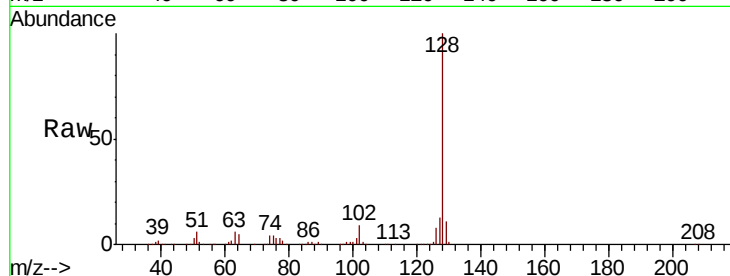




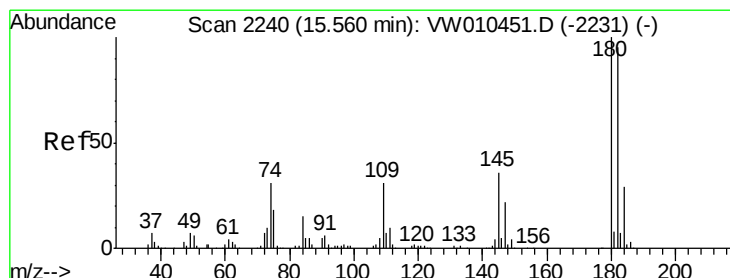
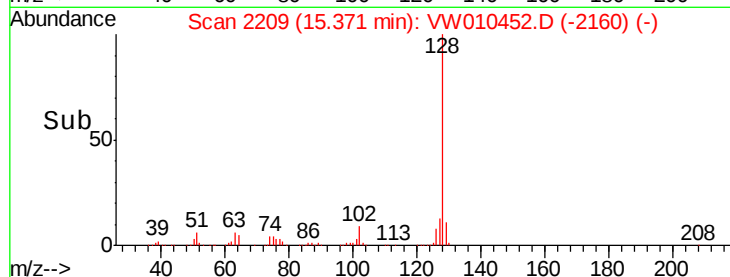
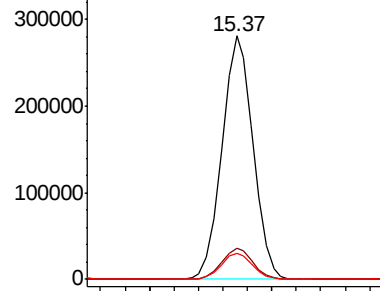
#95
Naphthalene
Concen: 98.214 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 494736
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.9 8.9 13.3

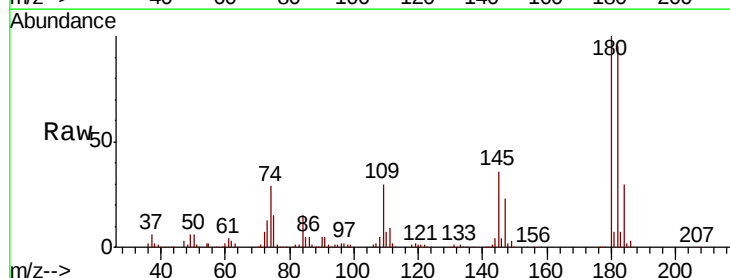


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 100.793 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion:180 Resp: 200289
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 35.7 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

