

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010654.D
 Acq On : 03 Jun 2019 12:48
 Operator : SY/VA
 Sample : VW0603SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:36:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133797	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	81743	43.67	ug/l	0.00
Spiked Amount			Recovery	=	87.34%	
35) Dibromofluoromethane	7.88	113	87565	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.32	98	328692	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.62	95	128367	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	25559	15.629	ug/l	95
3) Chloromethane	2.21	50	28280	14.843	ug/l	99
4) Vinyl Chloride	2.35	62	33510	15.184	ug/l	99
5) Bromomethane	2.75	94	25123	16.547	ug/l	93
6) Chloroethane	2.90	64	24475	17.276	ug/l	99
7) Trichlorofluoromethane	3.25	101	64401	19.766	ug/l	97
8) Diethyl Ether	3.68	74	19507	18.887	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40413	20.140	ug/l	94
10) Methyl Iodide	4.27	142	34756	15.154	ug/l	97
11) Tert butyl alcohol	5.15	59	17501	103.950	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	37555	19.607	ug/l	93
13) Acrolein	3.90	56	6769	51.263	ug/l	95
14) Allyl chloride	4.67	41	51413	18.544	ug/l	99
15) Acrylonitrile	5.37	53	37481	86.651	ug/l	97
16) Acetone	4.12	43	33880	88.677	ug/l	98
17) Carbon Disulfide	4.37	76	92895	16.260	ug/l	100
18) Methyl Acetate	4.67	43	17271	18.483	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	90672	18.569	ug/l	96
20) Methylene Chloride	4.92	84	42132	15.272	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	42487	19.338	ug/l	97
22) Diisopropyl ether	6.31	45	107265	18.868	ug/l	96
23) Vinyl Acetate	6.25	43	294675	86.773	ug/l	99
24) 1,1-Dichloroethane	6.21	63	68091	20.071	ug/l	99
25) 2-Butanone	7.17	43	49111	89.821	ug/l	95
26) 2,2-Dichloropropane	7.17	77	68731	21.268	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	49515	20.730	ug/l	99
28) Bromochloromethane	7.51	49	23489	19.338	ug/l	92
29) Tetrahydrofuran	7.53	42	29745	80.396	ug/l	97
30) Chloroform	7.68	83	74860	20.457	ug/l	98
31) Cyclohexane	7.95	56	64931	18.271	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	70312	20.103	ug/l	97
36) 1,1-Dichloropropene	8.08	75	57185	21.008	ug/l	98
37) Ethyl Acetate	7.25	43	20759	17.934	ug/l	97
38) Carbon Tetrachloride	8.07	117	64133	21.841	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73416	20.131	ug/l	99
40) Benzene	8.32	78	162562	21.487	ug/l	100
41) Methacrylonitrile	7.49	41	12161	17.682	ug/l	95
42) 1,2-Dichloroethane	8.40	62	44934	20.780	ug/l	99
43) Isopropyl Acetate	8.43	43	42261	18.275	ug/l	98
44) Trichloroethene	9.09	130	50315	22.401	ug/l	98
45) 1,2-Dichloropropane	9.37	63	38040	21.170	ug/l	99
46) Dibromomethane	9.46	93	22285	21.207	ug/l	97
47) Bromodichloromethane	9.65	83	54431	20.612	ug/l	100
48) Methyl methacrylate	9.44	41	18419	17.410	ug/l	95
49) 1,4-Dioxane	9.45	88	6402	372.947	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	104255	88.970	ug/l	98
52) Toluene	10.39	92	112020	22.047	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53484	19.998	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	64001	20.954	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31768	21.023	ug/l	97
56) Ethyl methacrylate	10.65	69	38205	18.332	ug/l	99
57) 1,3-Dichloropropane	10.93	76	52420	20.709	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	87415	94.698	ug/l	97
59) 2-Hexanone	10.97	43	74623	89.273	ug/l	98
60) Dibromochloromethane	11.13	129	40420	21.135	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31471	20.559	ug/l	97
64) Tetrachloroethene	10.86	164	41974	22.851	ug/l	96
65) Chlorobenzene	11.66	112	124894	22.239	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	45161	22.449	ug/l	98
67) Ethyl Benzene	11.73	91	216521	21.838	ug/l	99
68) m/p-Xylenes	11.84	106	169823	43.667	ug/l	100
69) o-Xylene	12.16	106	80744	21.914	ug/l	98
70) Styrene	12.18	104	135855	21.731	ug/l	99
71) Bromoform	12.35	173	21684	19.573	ug/l #	97
73) Isopropylbenzene	12.47	105	222177	20.926	ug/l	100
74) N-amyl acetate	12.27	43	39687	16.312	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	34796	18.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44676	32.895	ug/l	34
77) Bromobenzene	12.75	156	52783	22.216	ug/l	92
78) n-propylbenzene	12.80	91	252137	20.378	ug/l	98
79) 2-Chlorotoluene	12.90	91	146932	20.477	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	186660	20.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10356	15.914	ug/l	97
82) 4-Chlorotoluene	12.99	91	151950	20.402	ug/l	97
83) tert-Butylbenzene	13.21	119	169256	21.548	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	188906	21.093	ug/l	99
85) sec-Butylbenzene	13.39	105	230902	21.006	ug/l	100
86) p-Isopropyltoluene	13.50	119	213428	21.451	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102767	22.046	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103954	22.227	ug/l	99
89) n-Butylbenzene	13.83	91	191521	20.238	ug/l	99
90) Hexachloroethane	14.10	117	38622	20.055	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	92076	21.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6072	16.910	ug/l	99

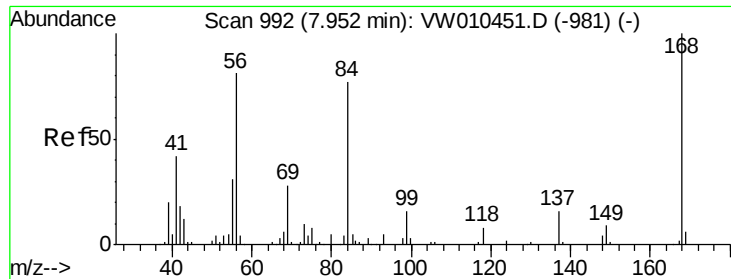
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	63483	21.968	ug/l	99
94) Hexachlorobutadiene	15.24	225	36630	23.727	ug/l	99
95) Naphthalene	15.37	128	108808	17.937	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52885	21.268	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

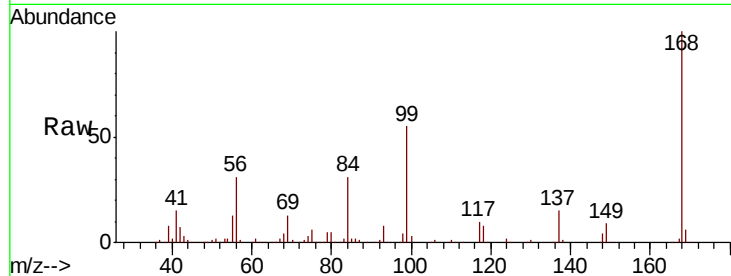
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 181339

Ion Ratio Lower Upper

168 100

99 54.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

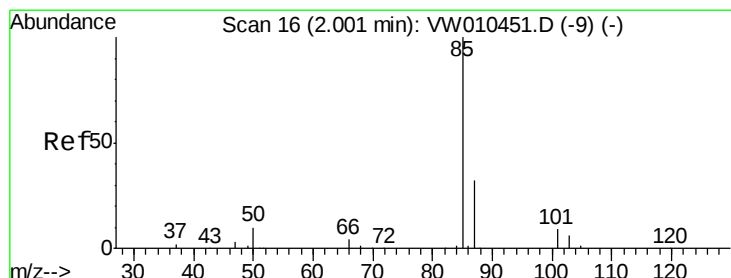
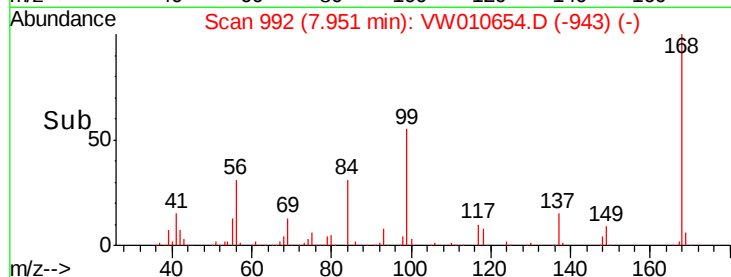
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.629 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010654.D

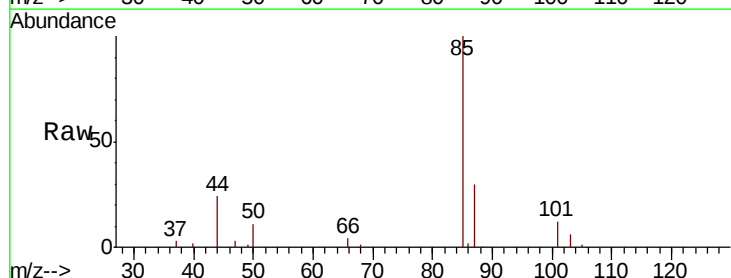
Acq: 03 Jun 2019 12:48

Tgt Ion: 85 Resp: 25559

Ion Ratio Lower Upper

85 100

87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

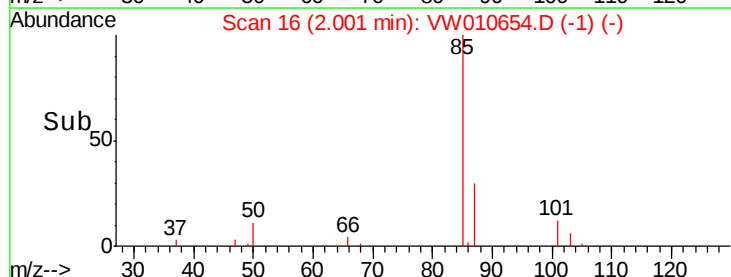
15000

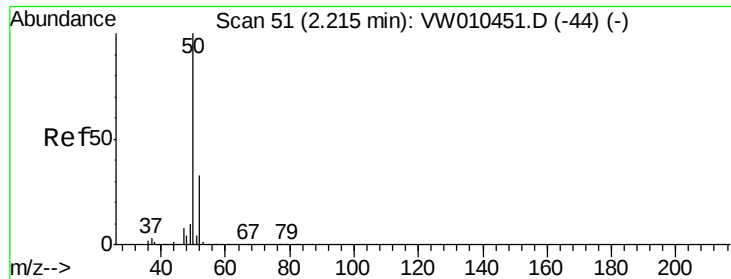
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 14.843 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

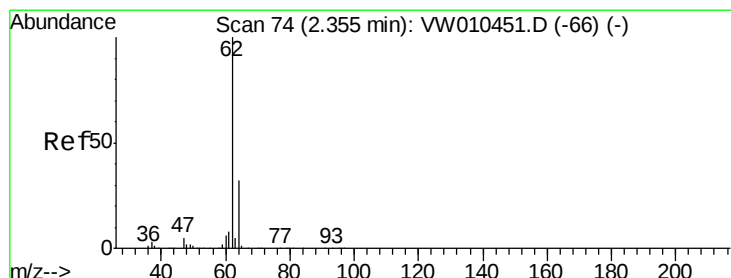
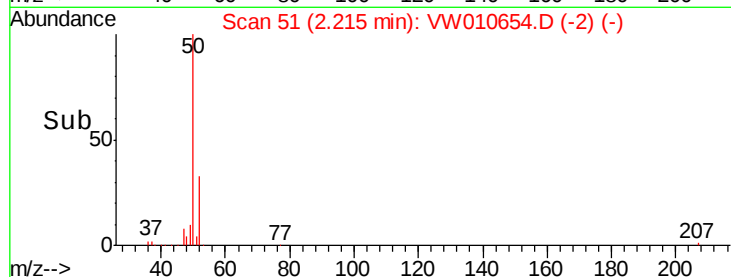
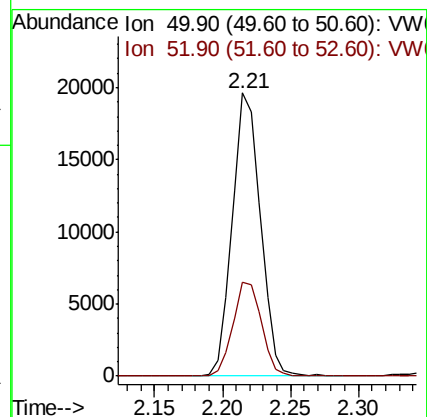
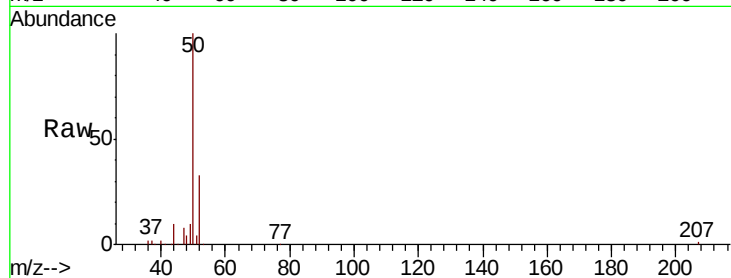
ClientSampled :

Tot Ion: 50 Resp: 28280

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 15.184 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010654.D

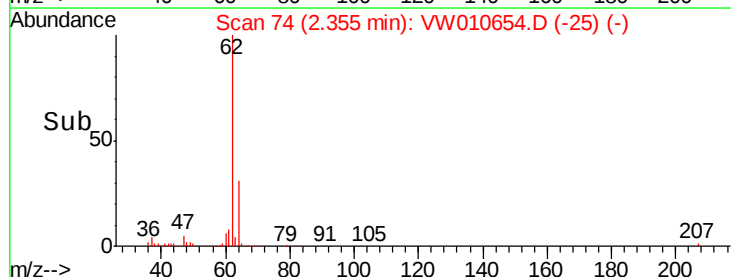
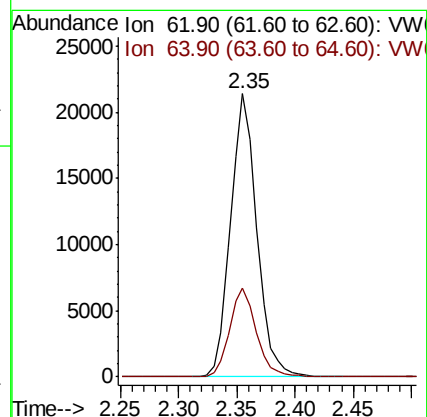
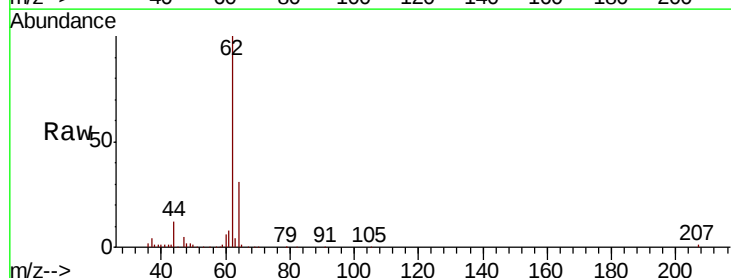
Acq: 03 Jun 2019 12:48

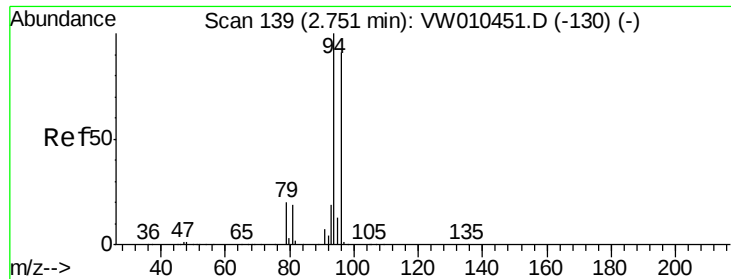
Tgt Ion: 62 Resp: 33510

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 16.547 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

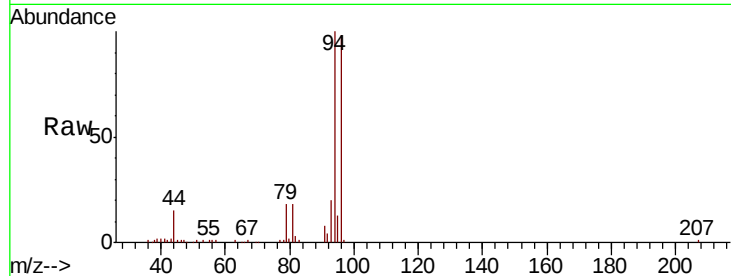
ClientSampleId :

Tot Ion: 94 Resp: 25123

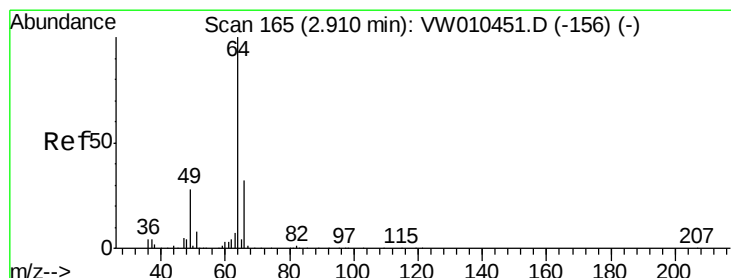
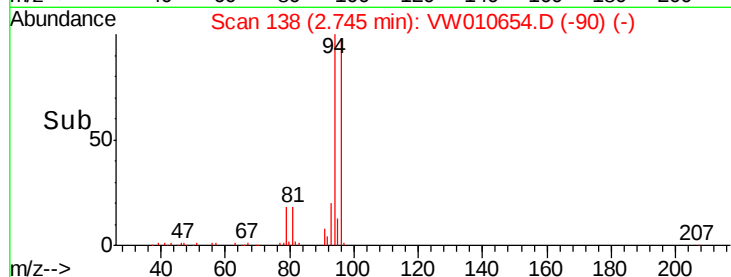
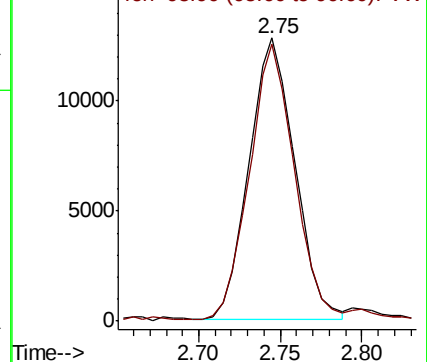
Ion Ratio Lower Upper

94 100

96 97.6 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 17.276 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010654.D

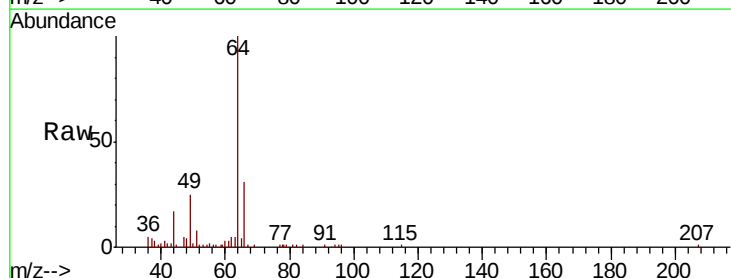
Acq: 03 Jun 2019 12:48

Tgt Ion: 64 Resp: 24475

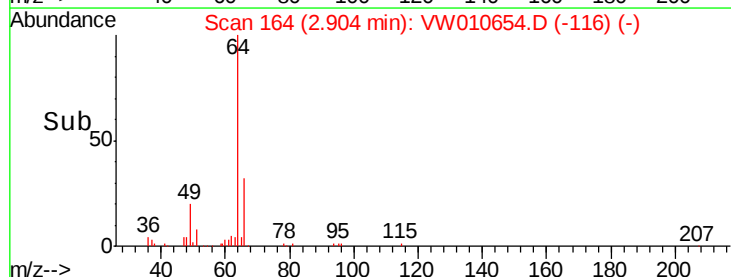
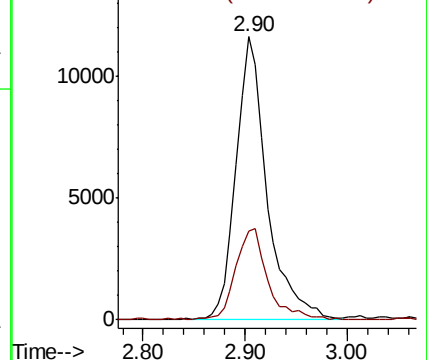
Ion Ratio Lower Upper

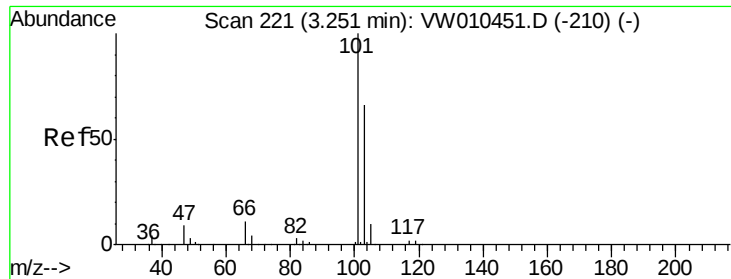
64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



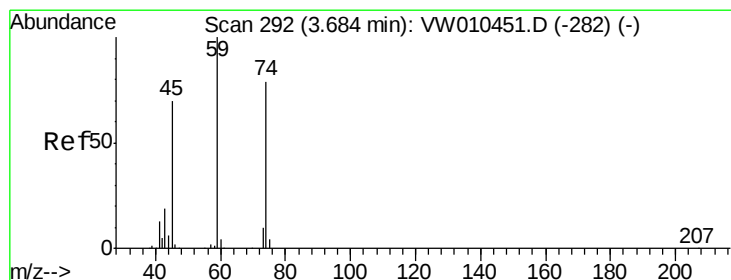
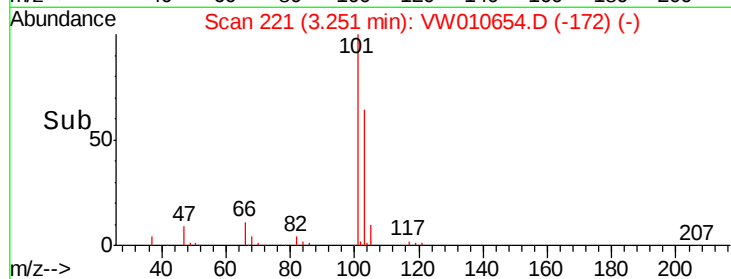
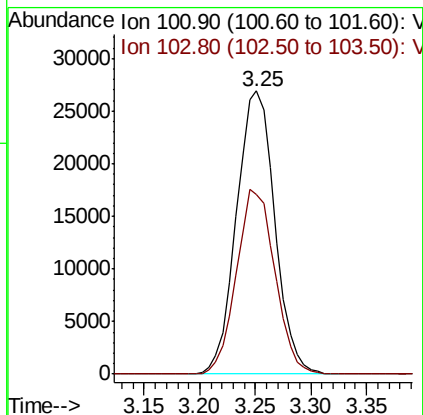
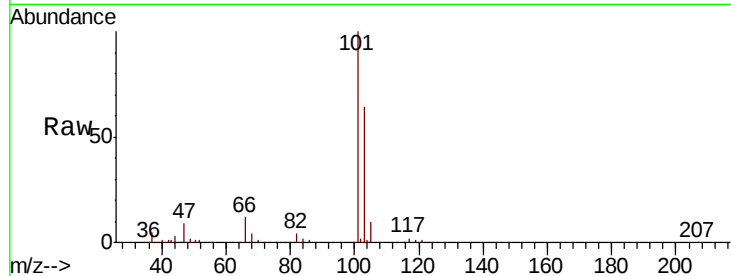


#7

Trichlorofluoromethane
 Concen: 19.766 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Instrument :
 MSVOA_W
 ClientSampled :

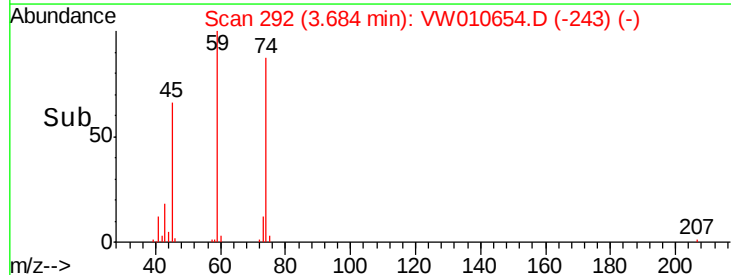
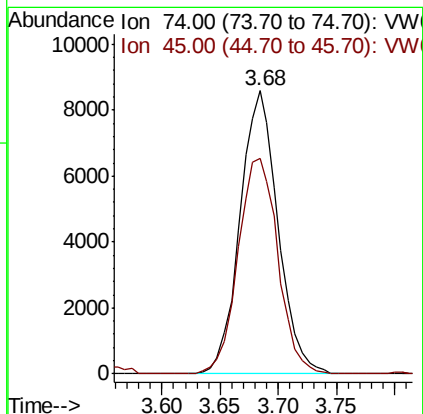
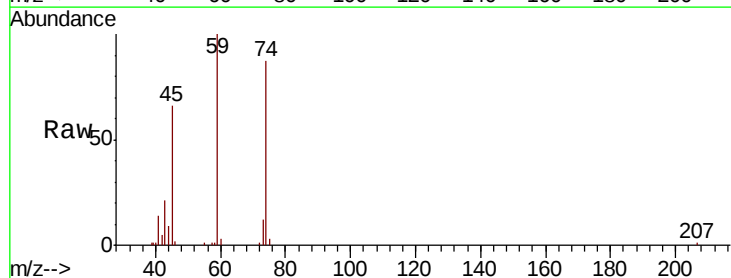
Tot Ion:101 Resp: 64401
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.4

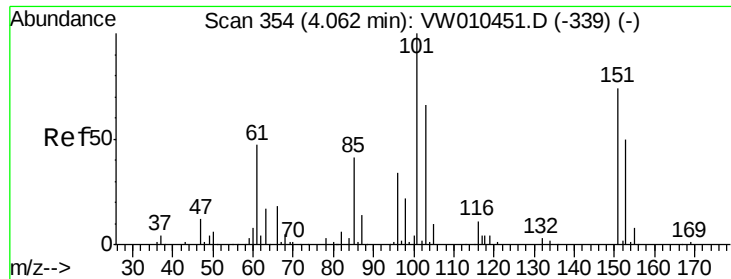


#8

Diethyl Ether
 Concen: 18.887 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion: 74 Resp: 19507
 Ion Ratio Lower Upper
 74 100
 45 79.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.140 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

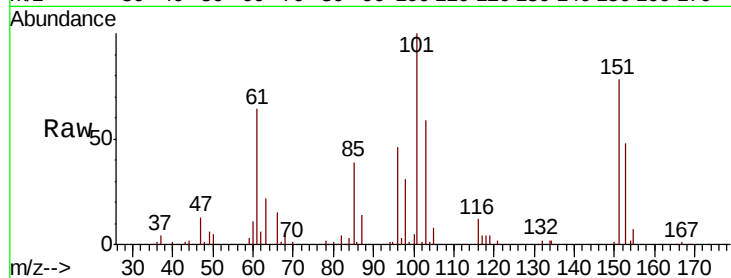
Tot Ion:101 Resp: 40413

Ion Ratio Lower Upper

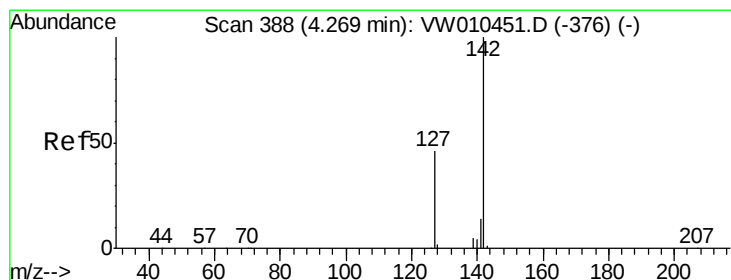
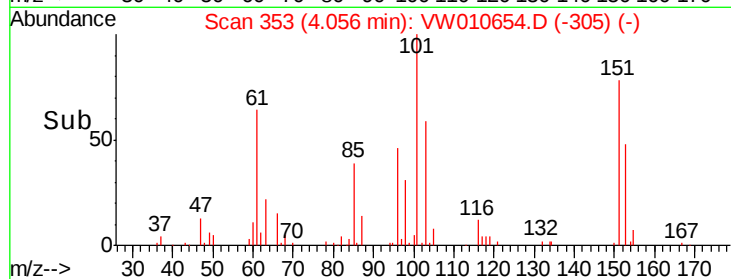
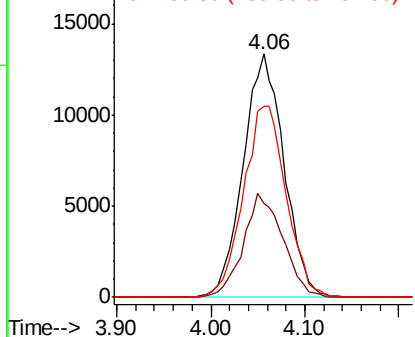
101 100

85 41.3 34.3 51.5

151 82.6 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: 15.154 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

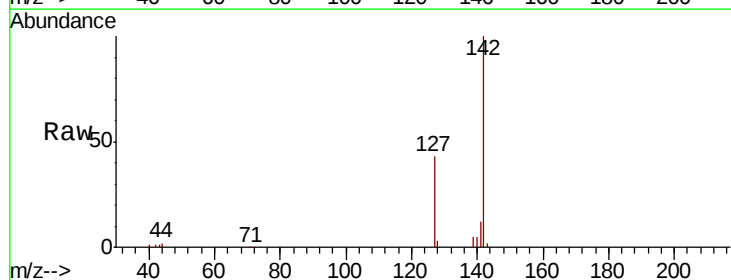
Tgt Ion:142 Resp: 34756

Ion Ratio Lower Upper

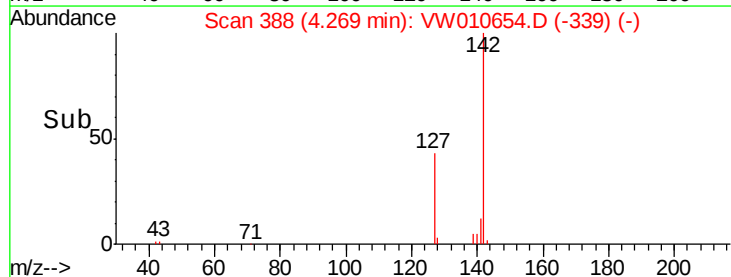
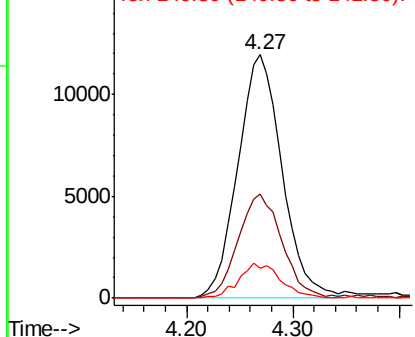
142 100

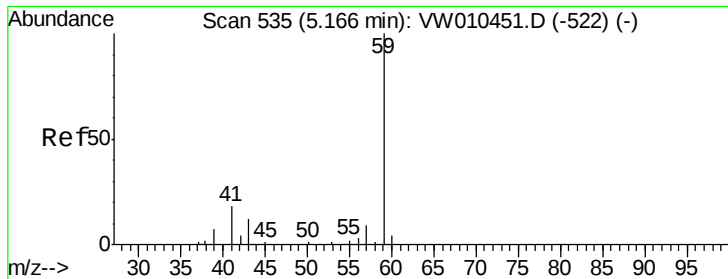
127 42.4 36.1 54.1

141 13.6 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

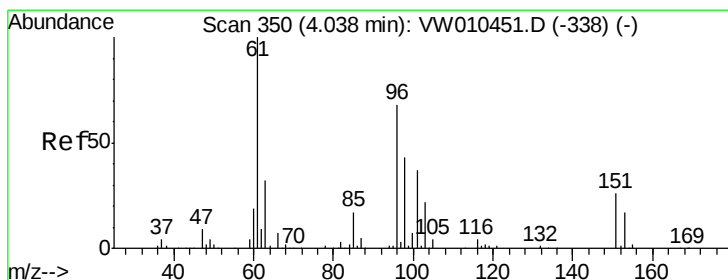
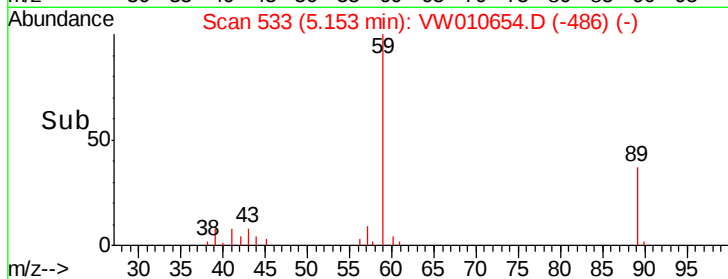
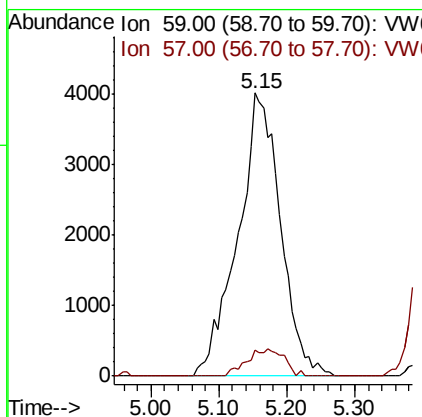
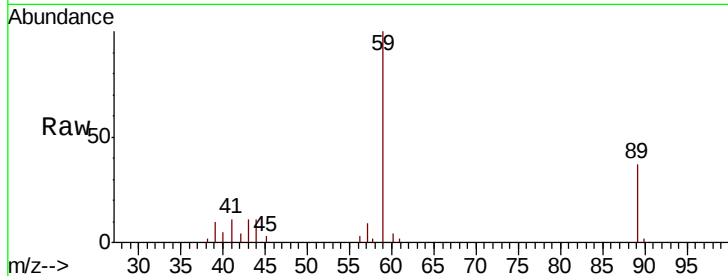




#11
Tert butyl alcohol
Concen: 103.950 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

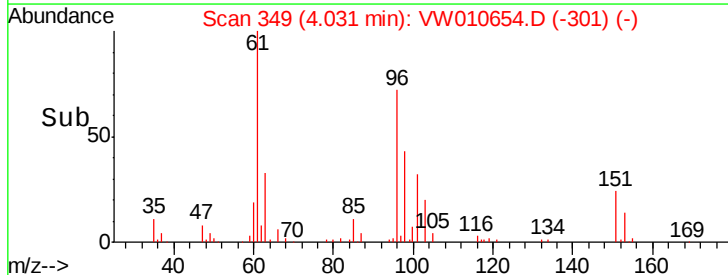
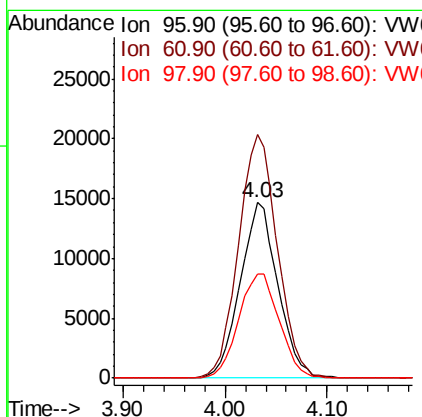
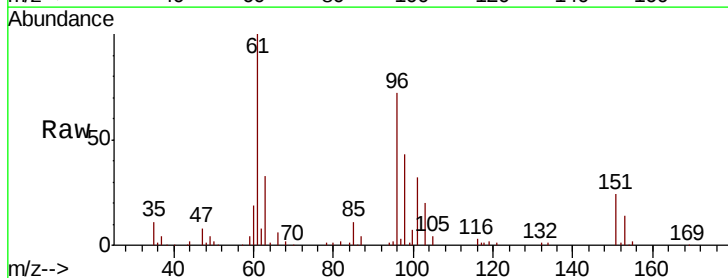
Instrument :
MSVOA_W
ClientSampleId :

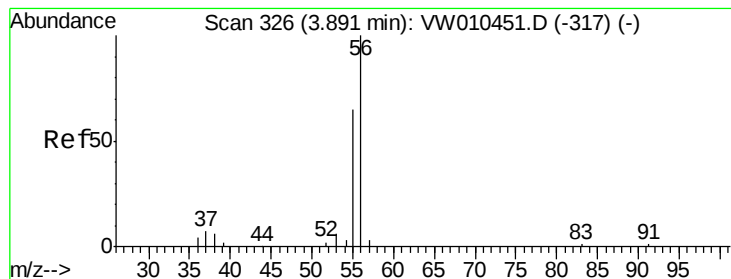
Tot Ion: 59 Resp: 17501
Ion Ratio Lower Upper
59 100
57 8.4 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 19.607 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 96 Resp: 37555
Ion Ratio Lower Upper
96 100
61 138.6 118.3 177.5
98 59.1 51.0 76.6





#13

Acrolein

Concen: 51.263 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

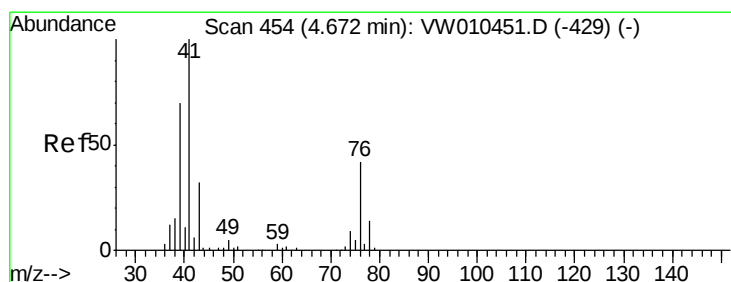
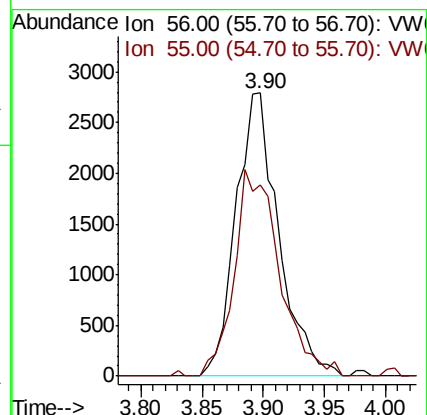
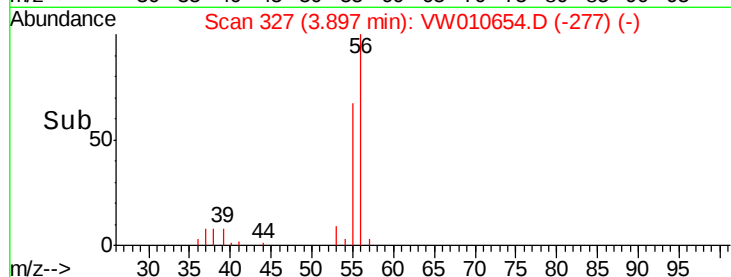
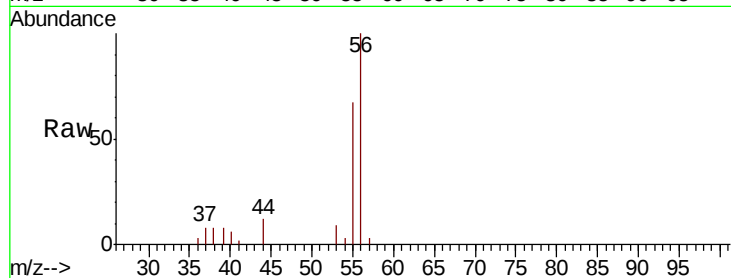
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 6769

Ion Ratio Lower Upper

56 100

55 77.0 57.9 86.9



#14

Allyl chloride

Concen: 18.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

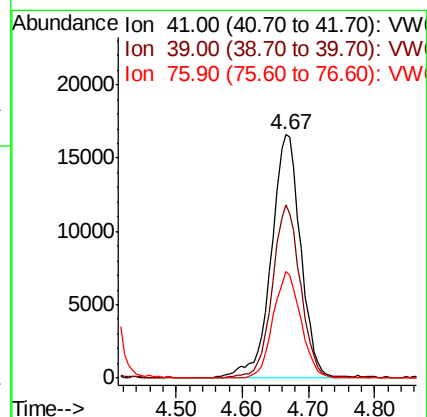
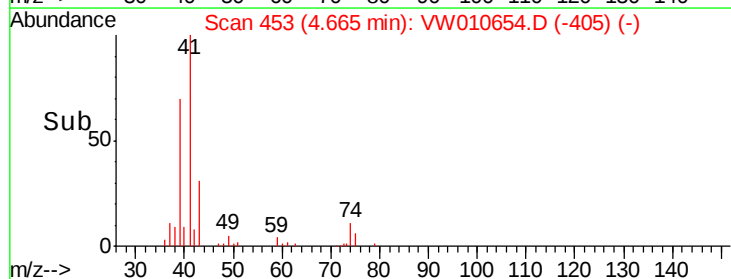
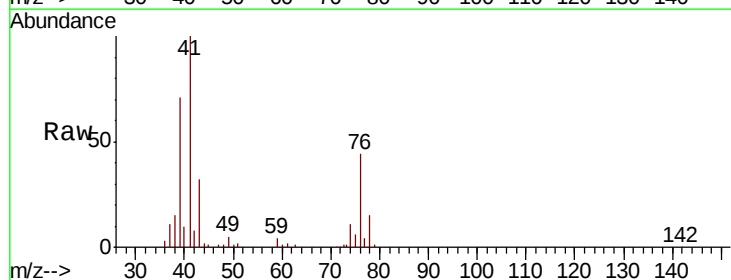
Tgt Ion: 41 Resp: 51413

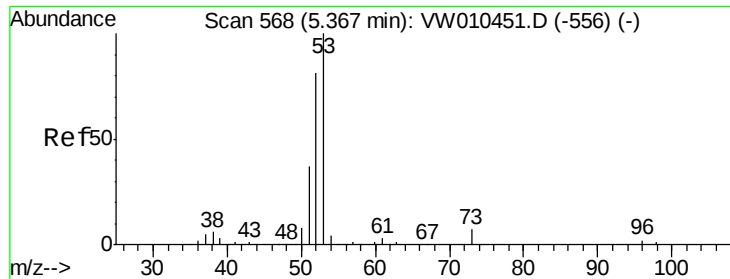
Ion Ratio Lower Upper

41 100

39 68.0 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 86.651 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

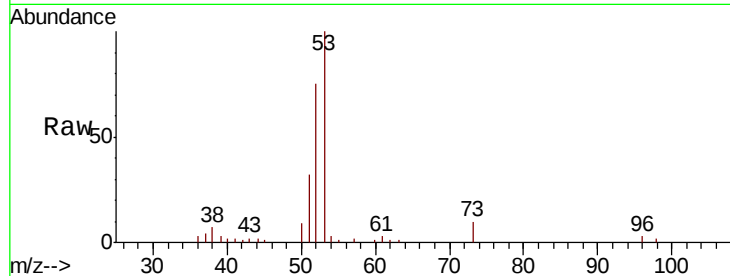
Tot Ion: 53 Resp: 37481

Ion Ratio Lower Upper

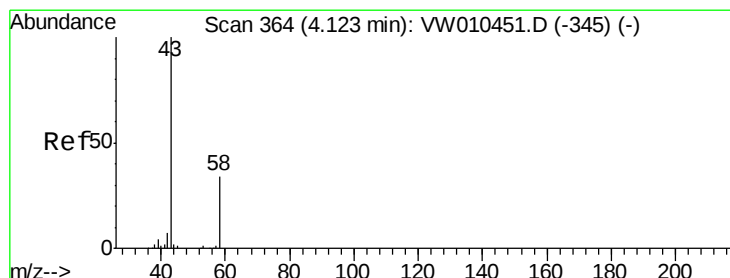
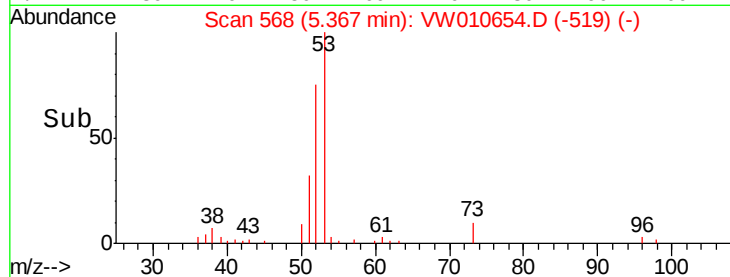
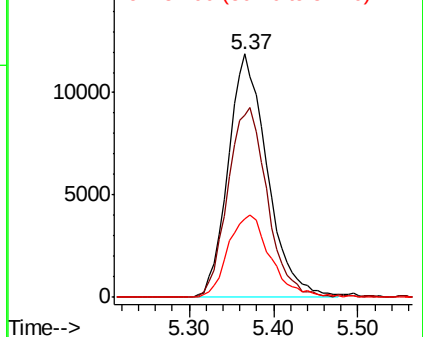
53 100

52 78.7 65.6 98.4

51 36.5 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: 88.677 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010654.D

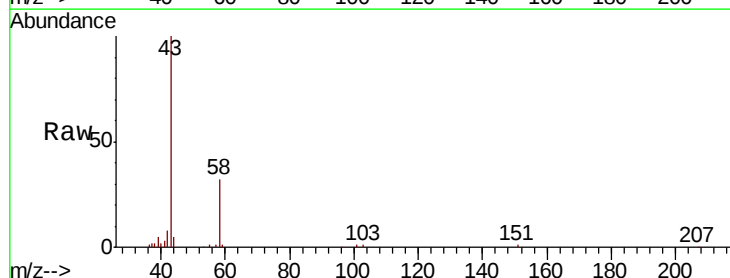
Acq: 03 Jun 2019 12:48

Tgt Ion: 43 Resp: 33880

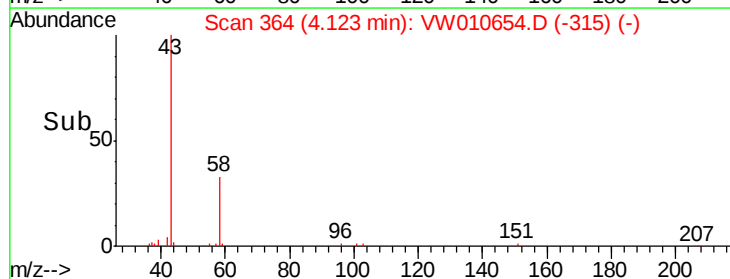
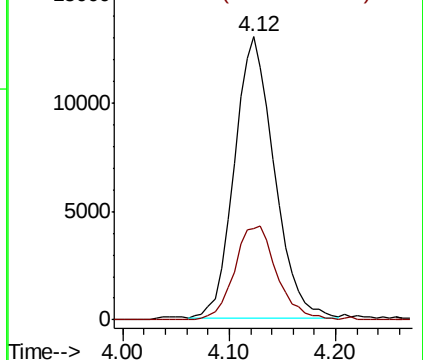
Ion Ratio Lower Upper

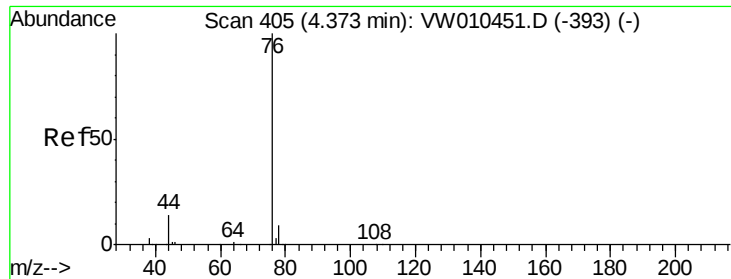
43 100

58 32.8 27.0 40.4



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

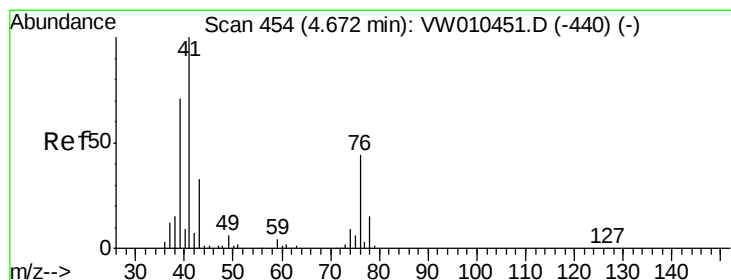
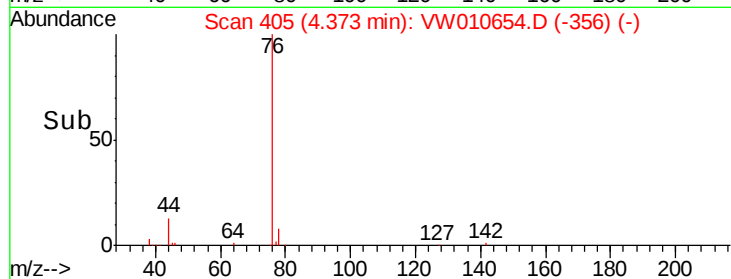
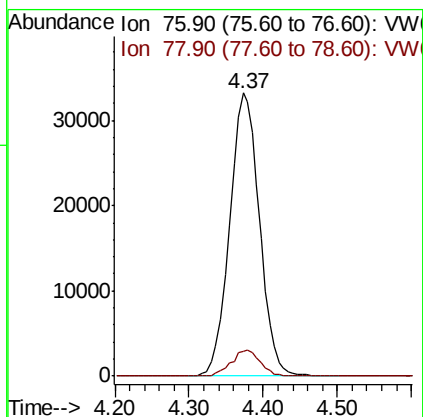
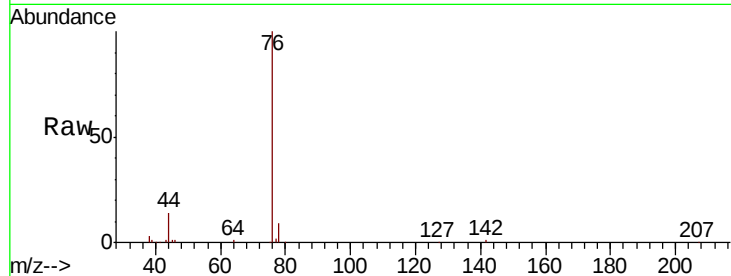




#17
Carbon Disulfide
Concen: 16.260 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

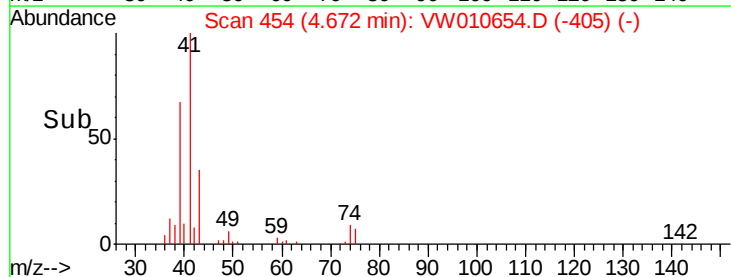
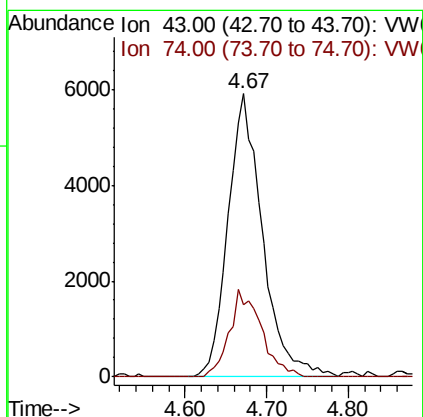
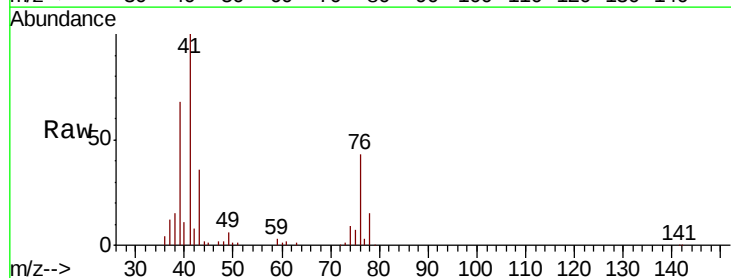
Instrument :
MSVOA_W
ClientSampleId :

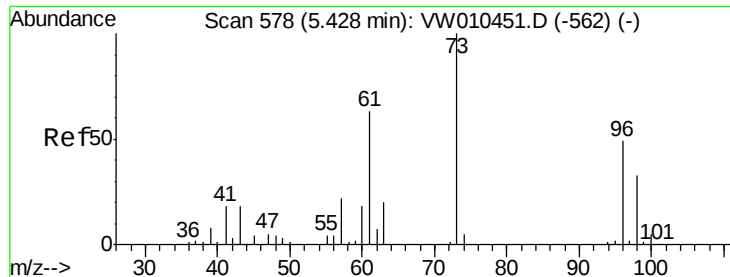
Tot Ion: 76 Resp: 92895
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 18.483 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 43 Resp: 17271
Ion Ratio Lower Upper
43 100
74 28.2 21.6 32.4

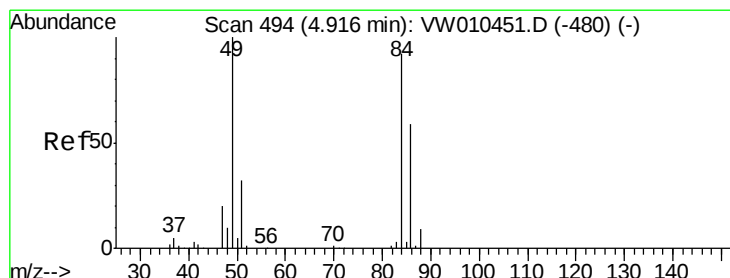
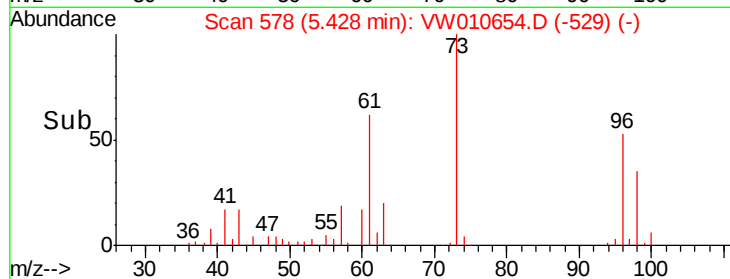
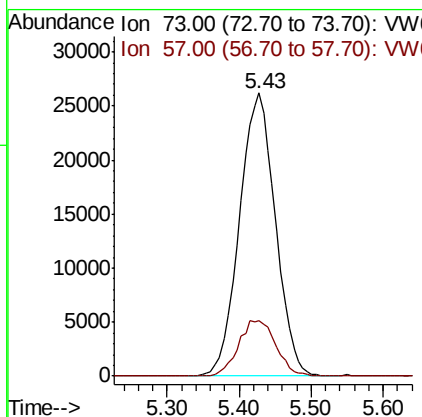
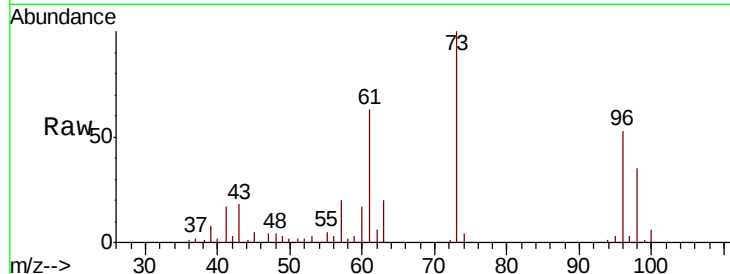




#19
Methvl tert-butvl Ether
Concen: 18.569 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

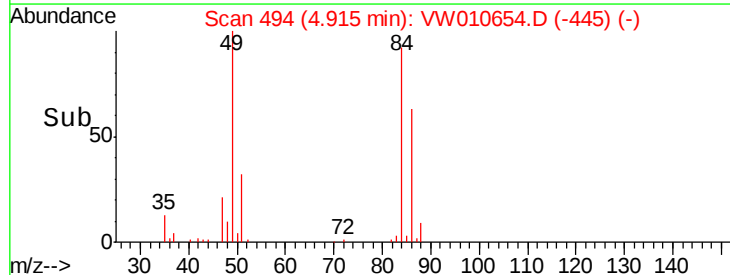
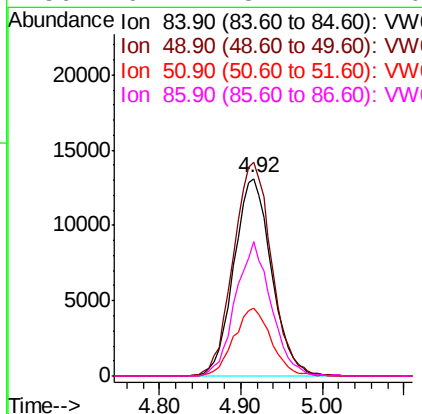
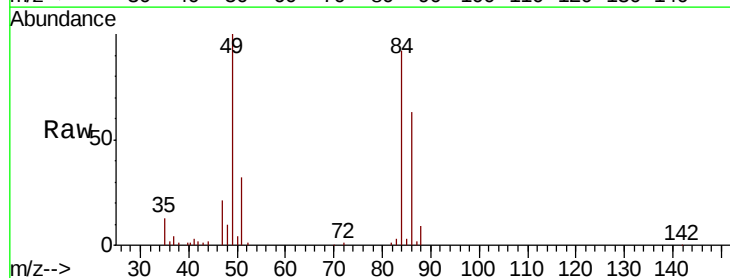
Instrument :
MSVOA_W
ClientSampled :

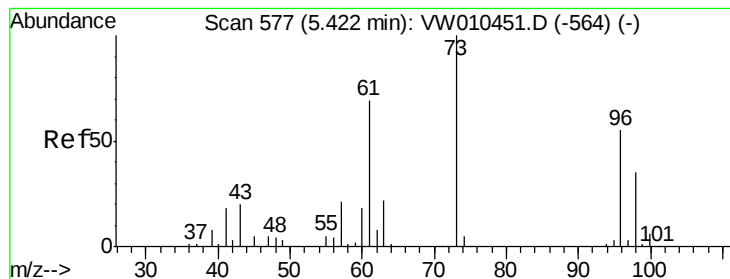
Tot Ion: 73 Resp: 90672
Ion Ratio Lower Upper
73 100
57 19.7 17.4 26.0



#20
Methylene Chloride
Concen: 15.272 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 84 Resp: 42132
Ion Ratio Lower Upper
84 100
49 108.1 87.2 130.8
51 34.3 27.7 41.5
86 67.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.338 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

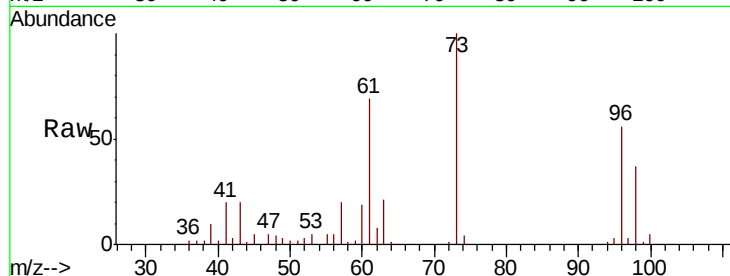
Tot Ion: 96 Resp: 42487

Ion Ratio Lower Upper

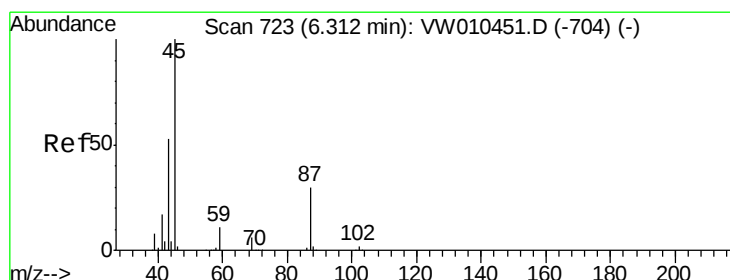
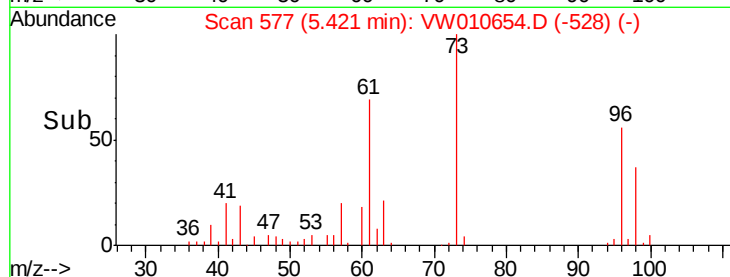
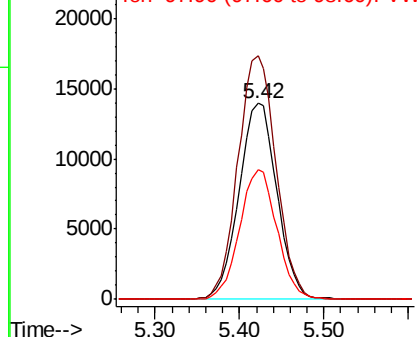
96 100

61 124.4 101.4 152.0

98 66.4 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: 18.868 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Tgt Ion: 45 Resp: 107265

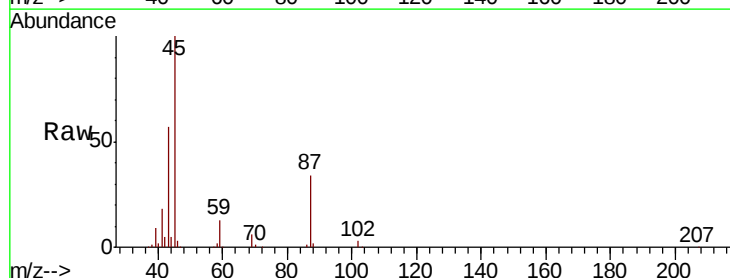
Ion Ratio Lower Upper

45 100

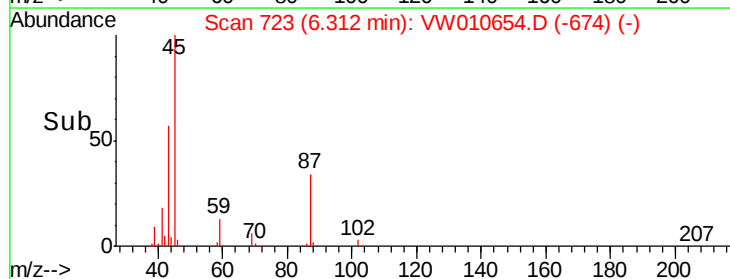
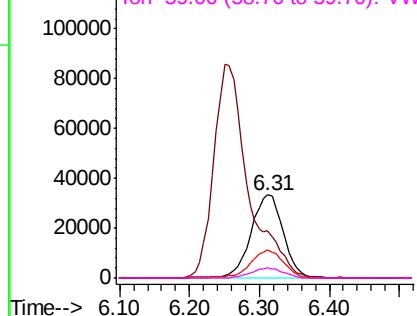
43 55.6 42.9 64.3

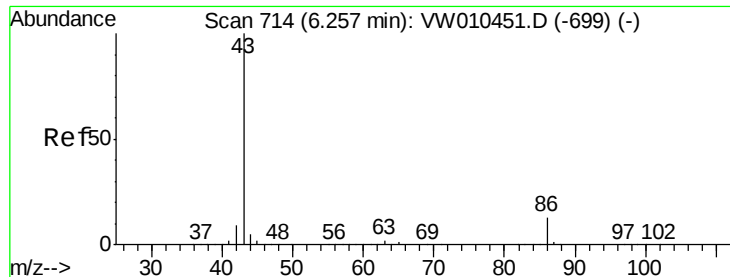
87 33.9 24.6 36.8

59 13.2 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: 86.773 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

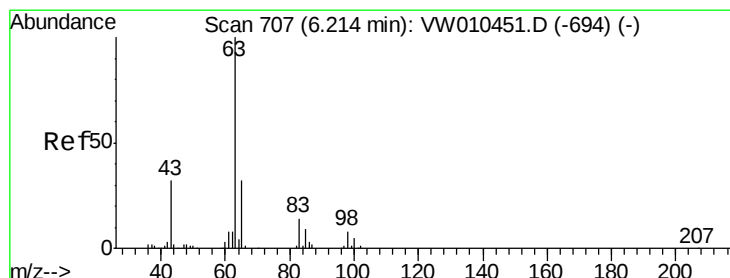
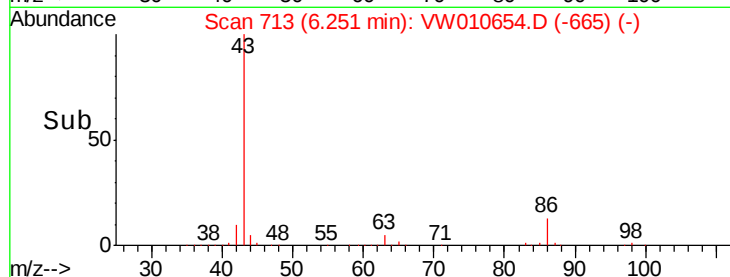
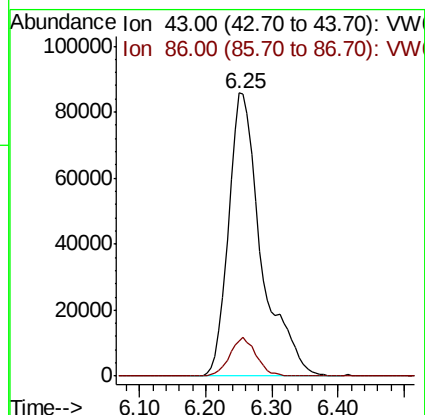
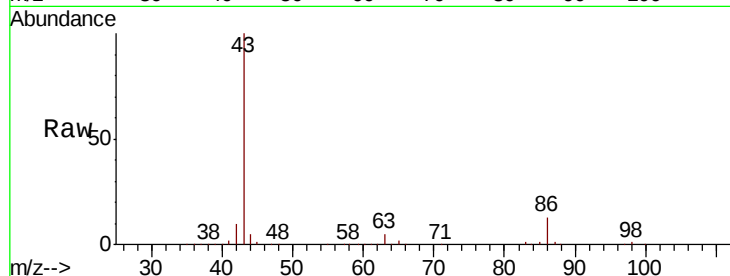
ClientSampleId :

Tot Ion: 43 Resp: 294675

Ion Ratio Lower Upper

43 100

86 12.6 10.3 15.5



#24

1,1-Dichloroethane

Concen: 20.071 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

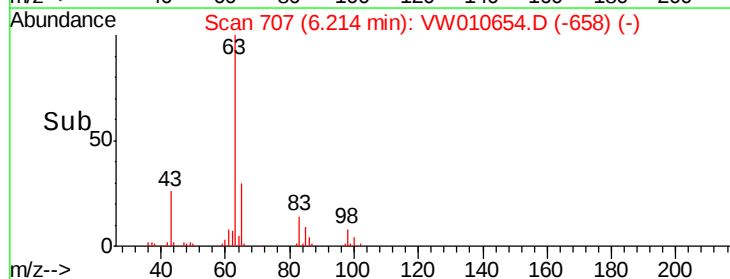
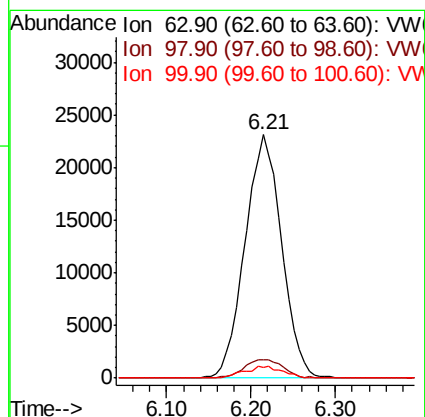
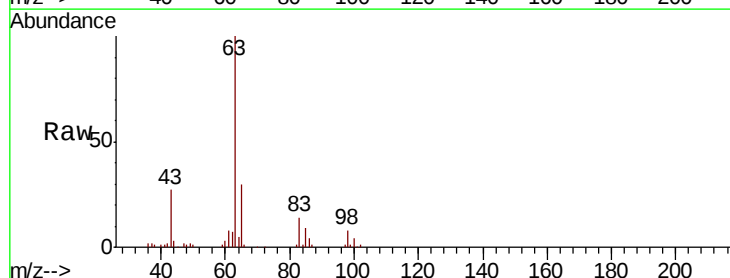
Tgt Ion: 63 Resp: 68091

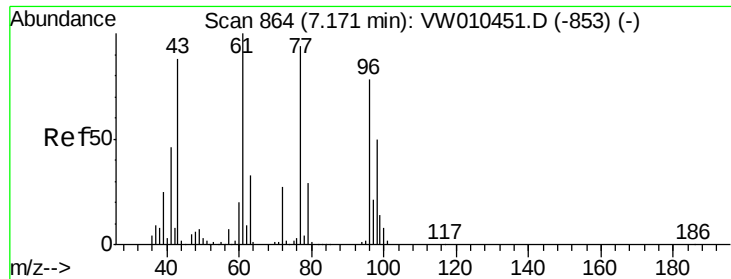
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 4.3 2.5 7.4

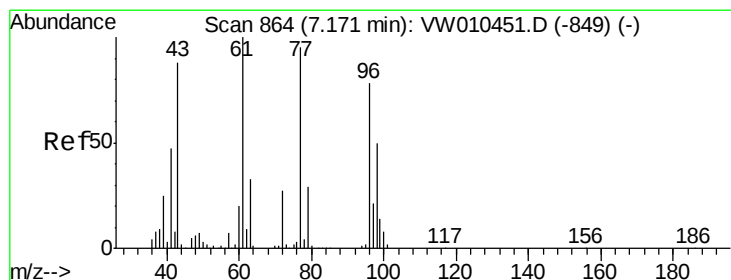
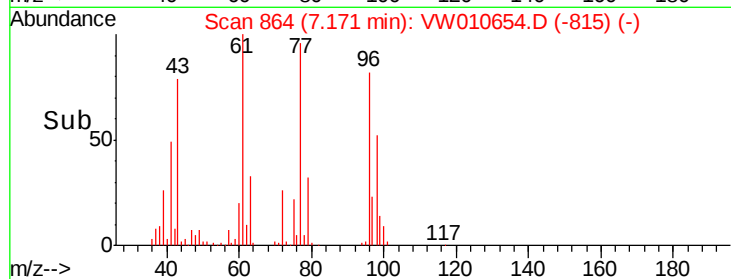
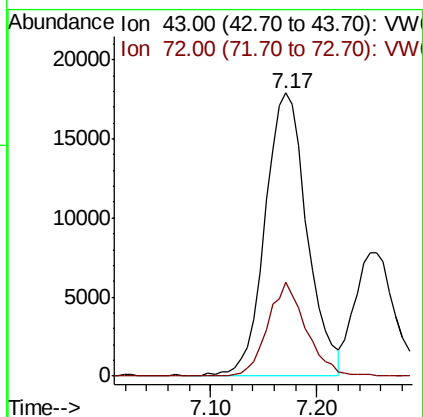
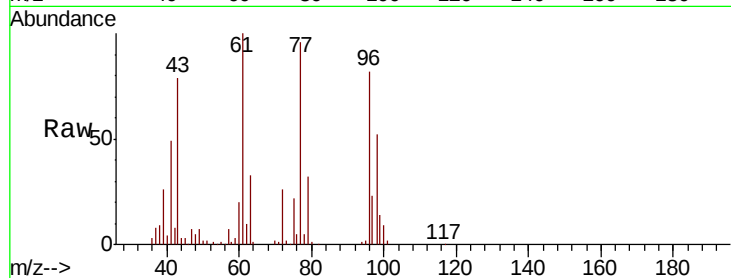




#25
2-Butanone
Concen: 89.821 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

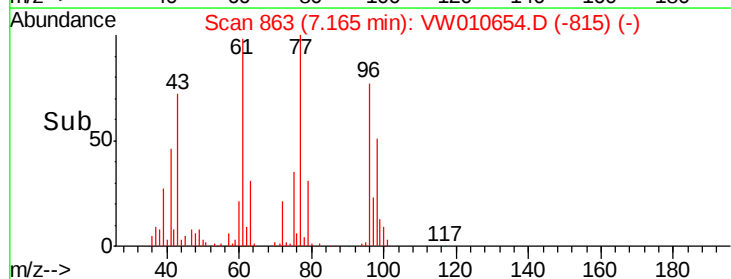
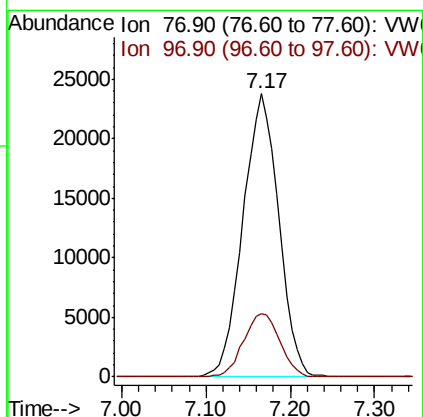
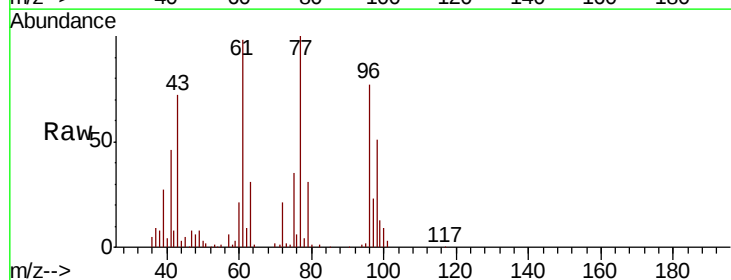
Instrument :
MSVOA_W
ClientSampled :

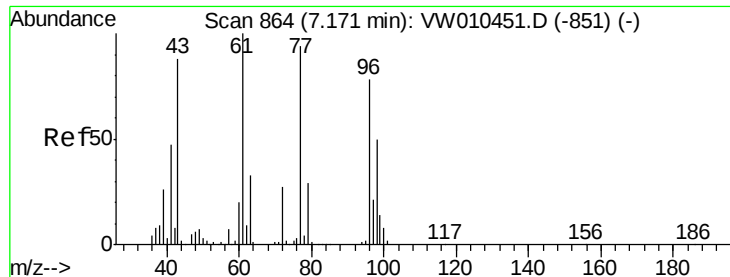
Tot Ion: 43 Resp: 49111
Ion Ratio Lower Upper
43 100
72 33.0 24.1 36.1



#26
2,2-Dichloropropane
Concen: 21.268 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 77 Resp: 68731
Ion Ratio Lower Upper
77 100
97 22.6 11.7 35.0



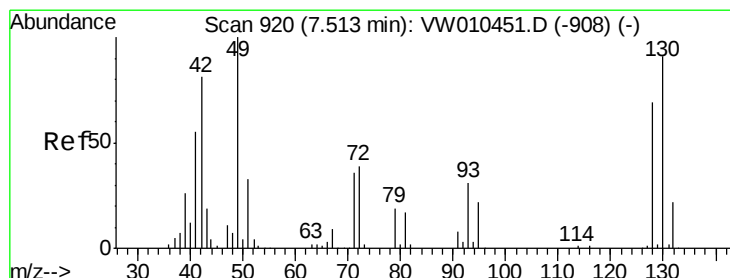
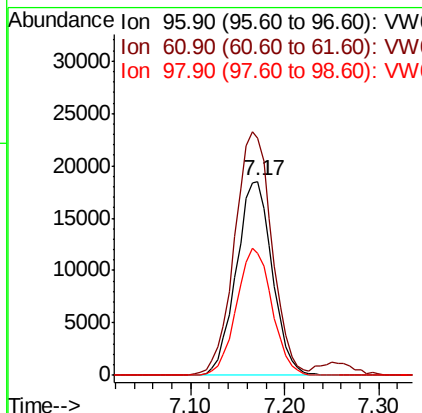
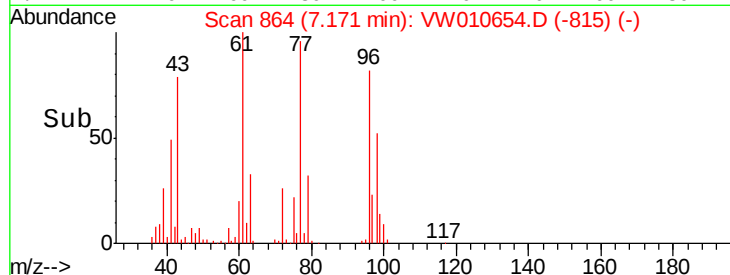
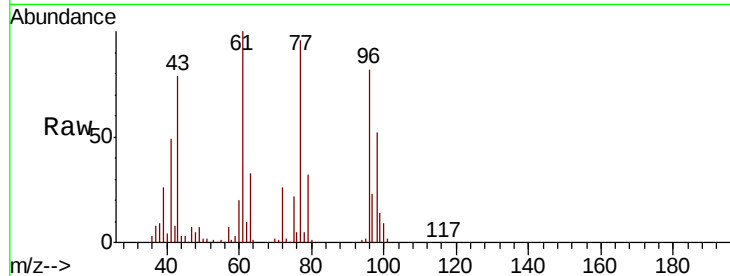


#27

cis-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :

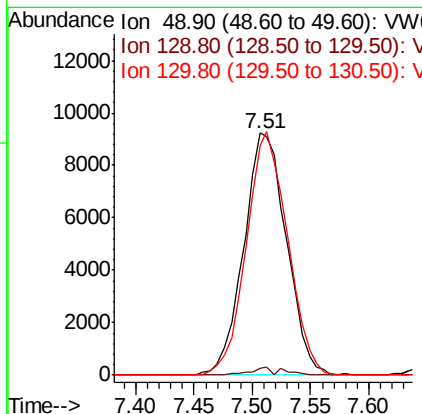
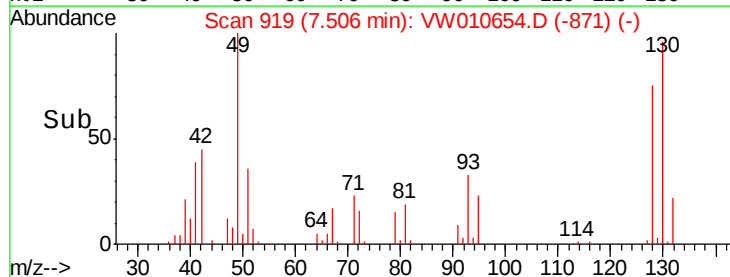
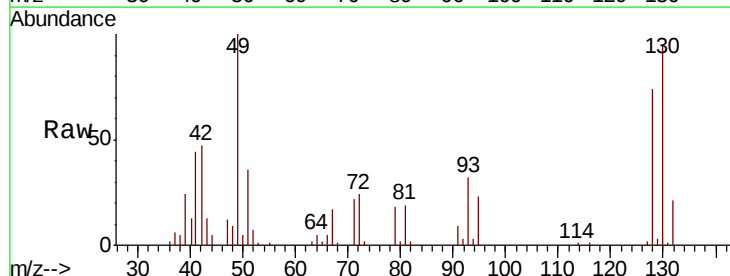
Tot Ion: 96 Resp: 49515
Ion Ratio Lower Upper
96 100
61 130.4 0.0 265.4
98 64.5 0.0 129.4

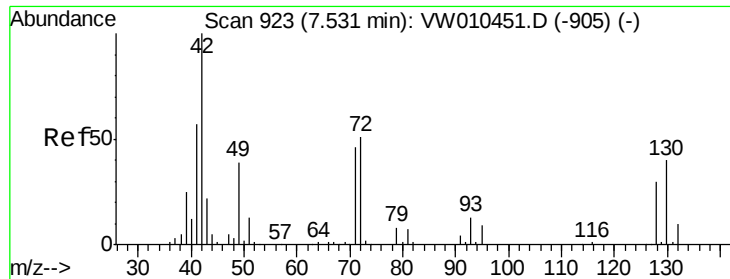


#28

Bromochloromethane
Concen: 19.338 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 49 Resp: 23489
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.8
130 97.0 71.2 106.8

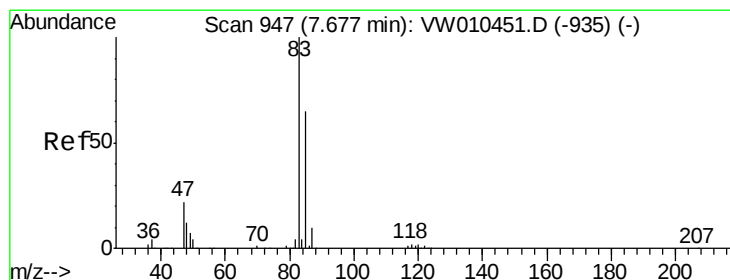
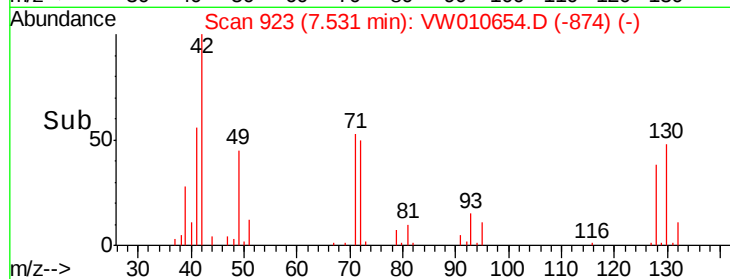
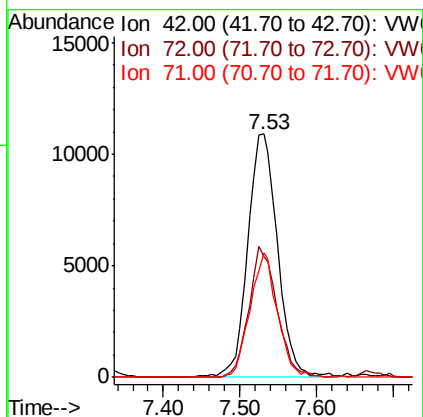
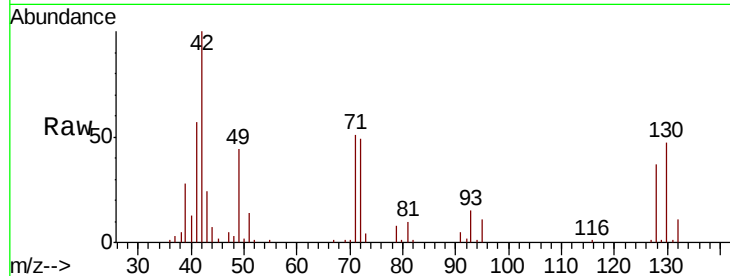




#29
Tetrahydrofuran
Concen: 80.396 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

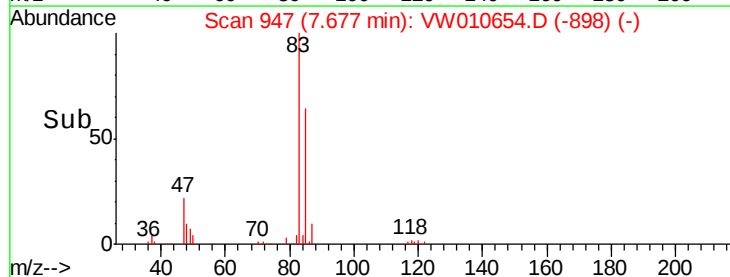
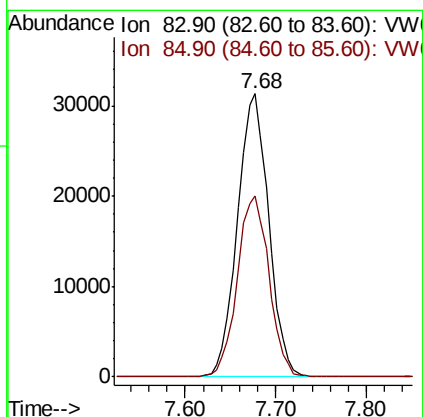
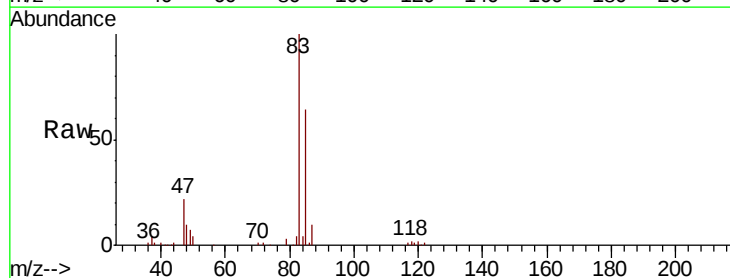
Instrument :
MSVOA_W
ClientSampled :

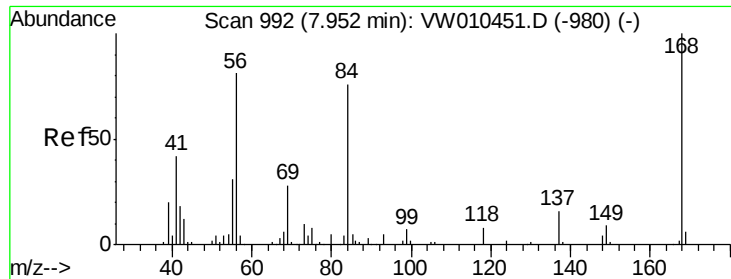
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	38.5	57.7
71	47.0	36.5	54.7



#30
Chloroform
Concen: 20.457 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4

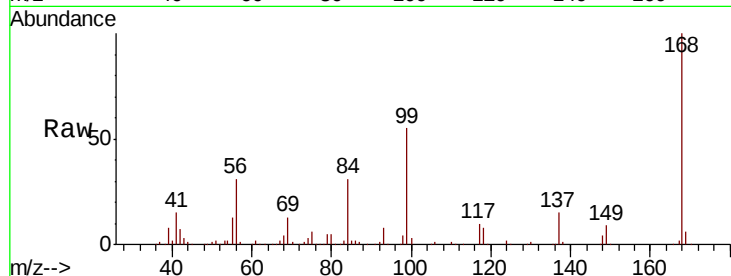




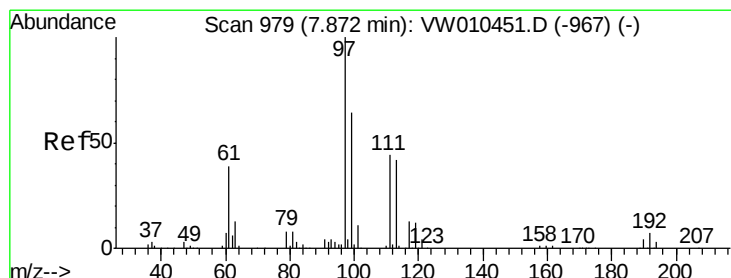
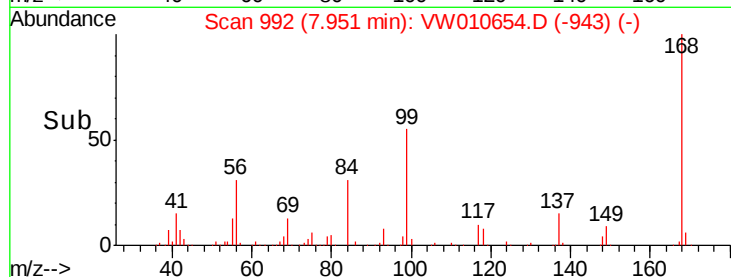
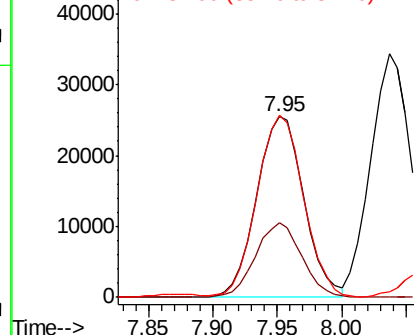
#31
Cyclohexane
Concen: 18.271 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 64931
Ion Ratio Lower Upper
56 100
69 41.3 28.2 42.2
84 99.1 75.8 113.8

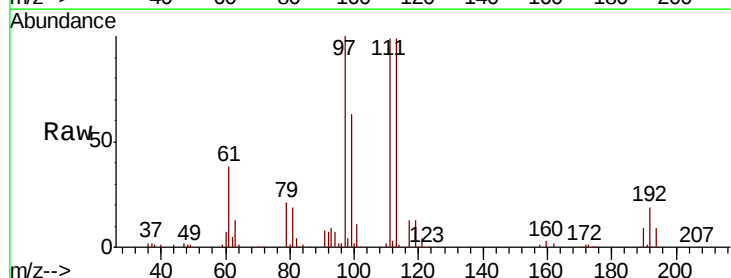


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

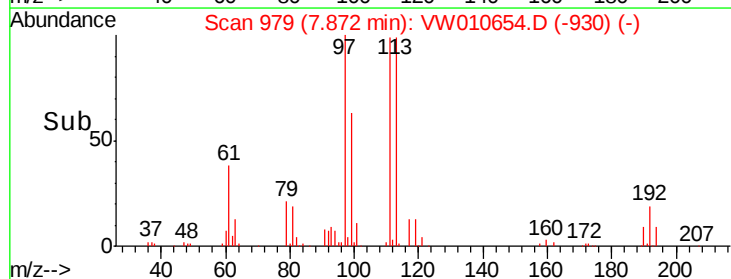
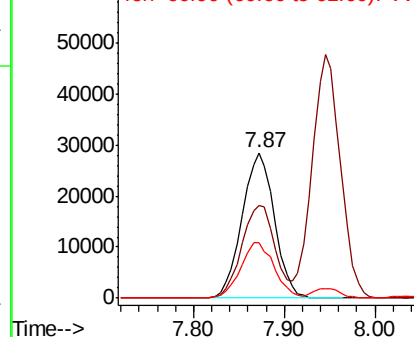


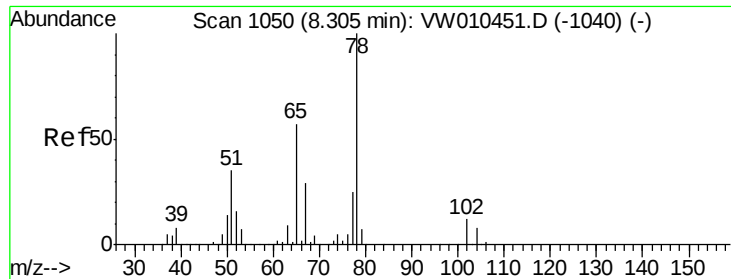
#32
1,1,1-Trichloroethane
Concen: 20.103 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 97 Resp: 70312
Ion Ratio Lower Upper
97 100
99 66.3 50.8 76.2
61 39.5 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: 43.672 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

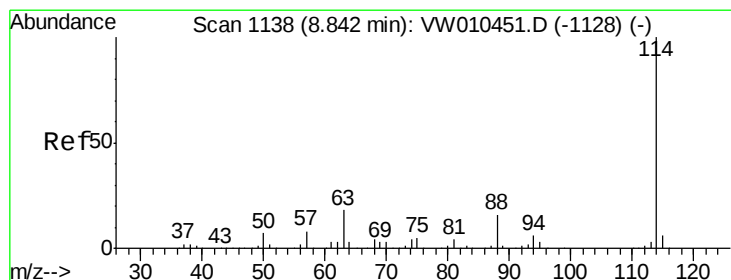
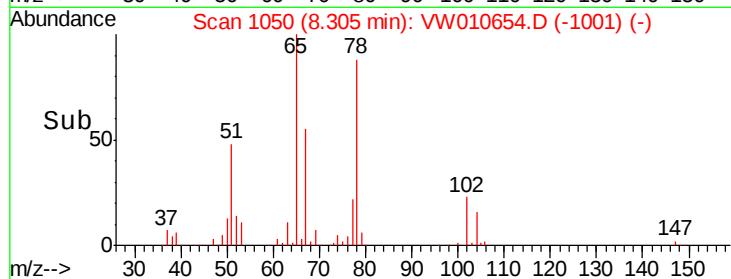
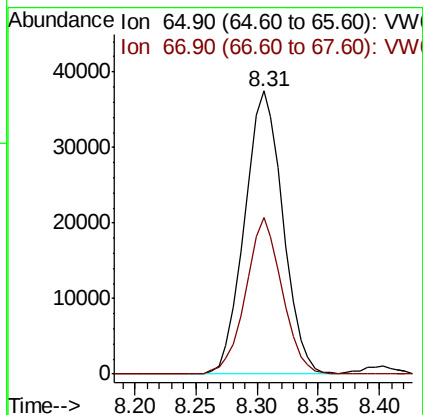
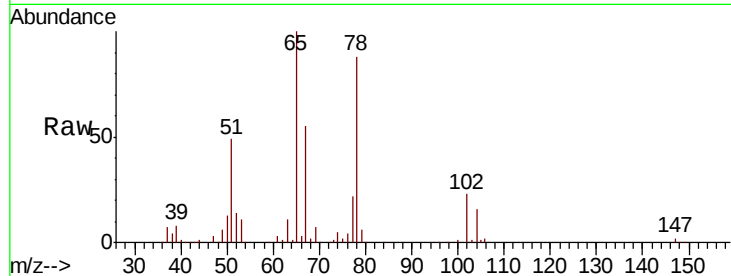
ClientSampled :

Tot Ion: 65 Resp: 81743

Ion Ratio Lower Upper

65 100

67 52.4 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: VW010654.D

Acq: 03 Jun 2019 12:48

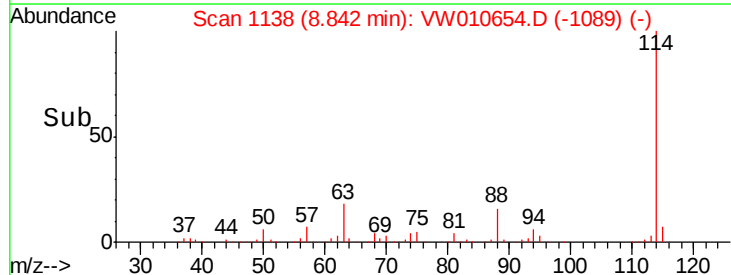
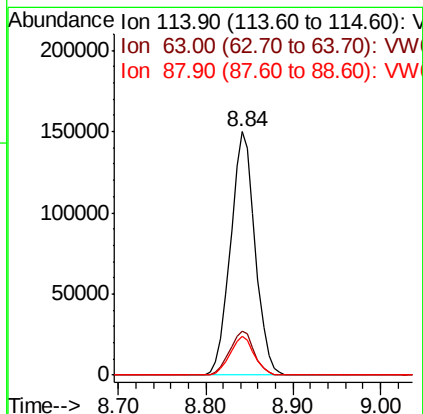
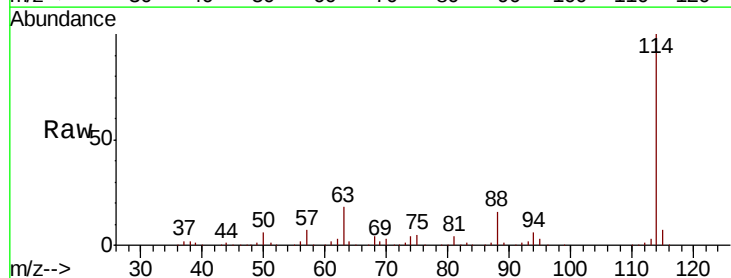
Tgt Ion: 114 Resp: 292204

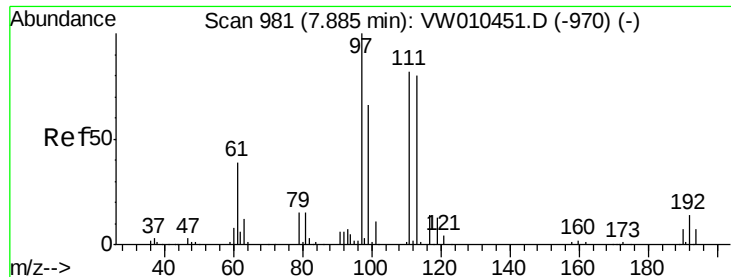
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.0

88 16.0 0.0 32.0

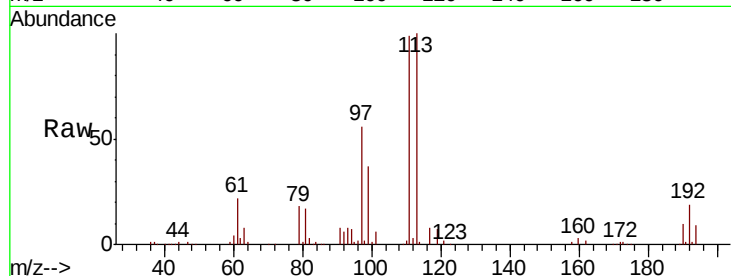




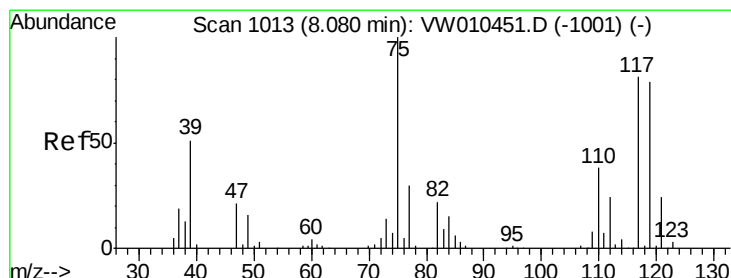
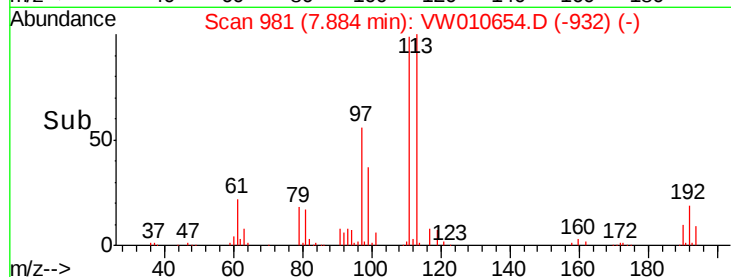
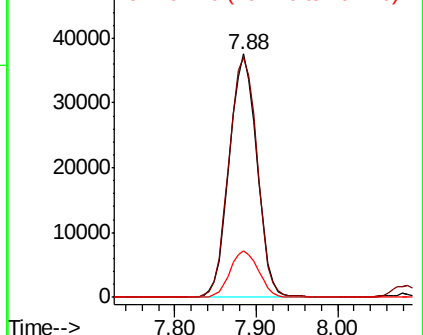
#35
 Dibromofluoromethane
 Concen: 49.387 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 87565
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 19.6 14.3 21.5

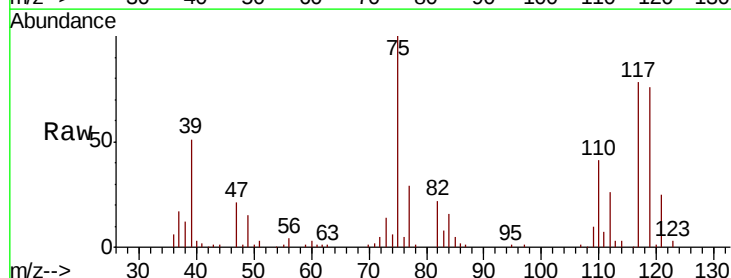


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

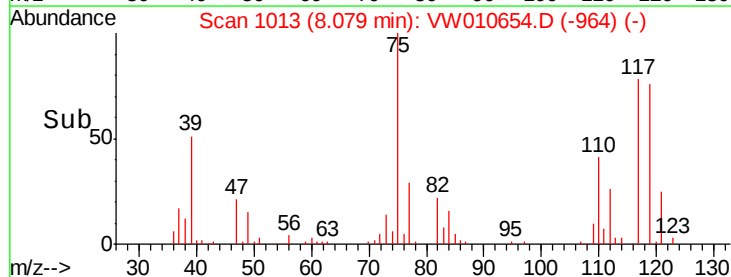
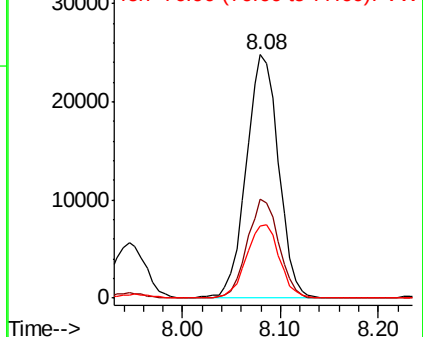


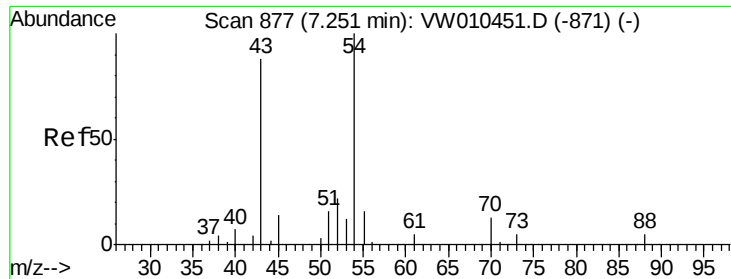
#36
 1,1-Dichloropropene
 Concen: 21.008 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion: 75 Resp: 57185
 Ion Ratio Lower Upper
 75 100
 110 39.5 19.2 57.6
 77 30.8 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

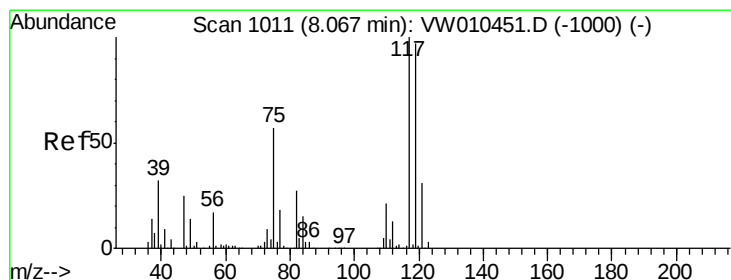
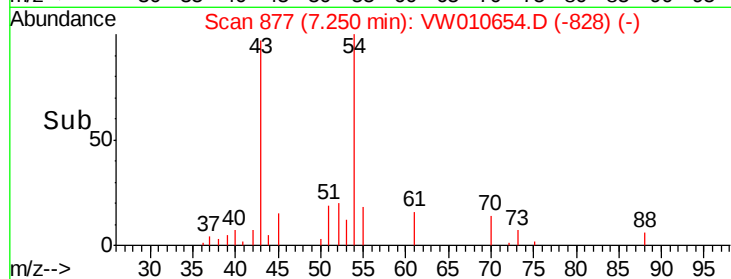
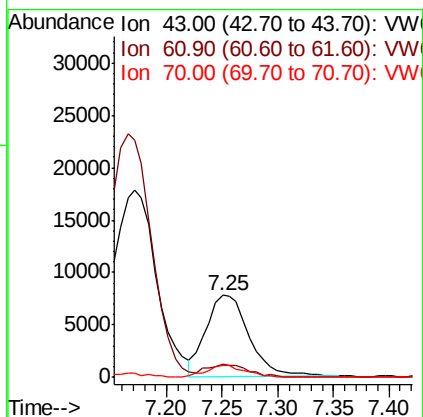
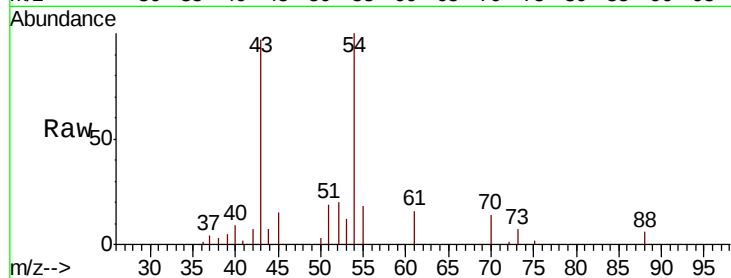




#37
Ethyl Acetate
Concen: 17.934 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

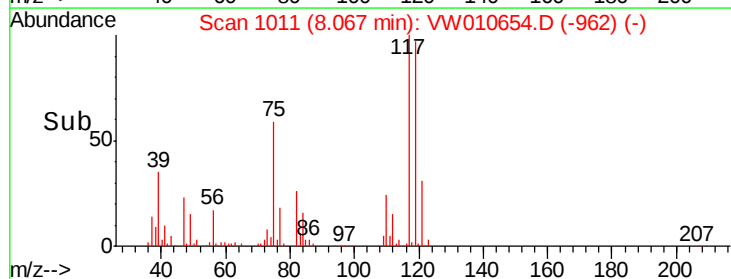
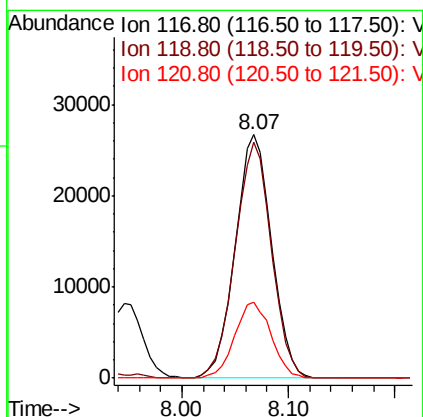
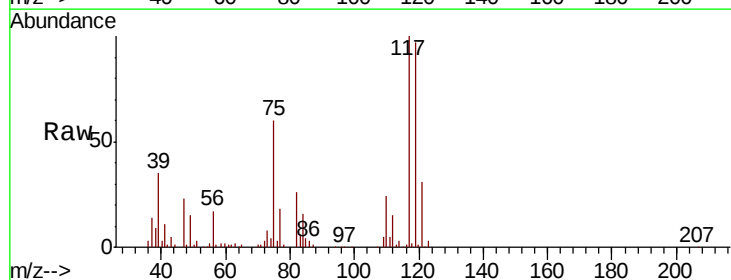
Instrument :
MSVOA_W
ClientSampled :

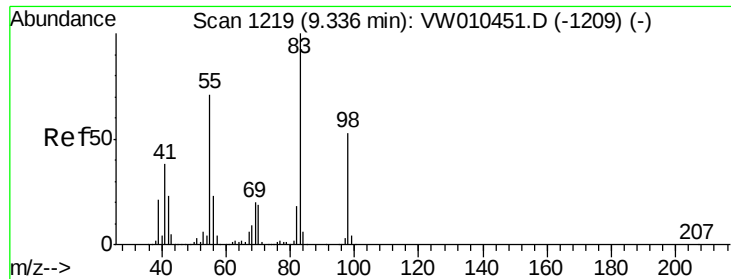
Tot Ion: 43 Resp: 20759
Ion Ratio Lower Upper
43 100
61 15.4 11.2 16.8
70 13.3 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.841 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 117 Resp: 64133
Ion Ratio Lower Upper
117 100
119 97.1 77.4 116.0
121 31.1 25.0 37.6

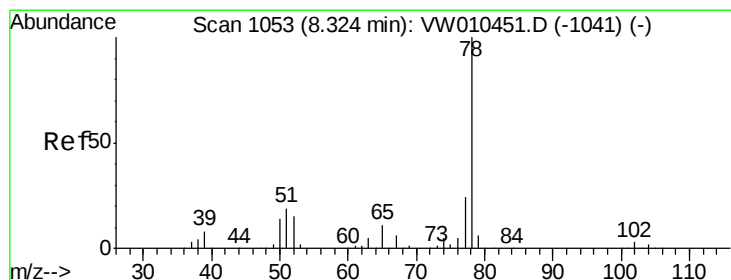
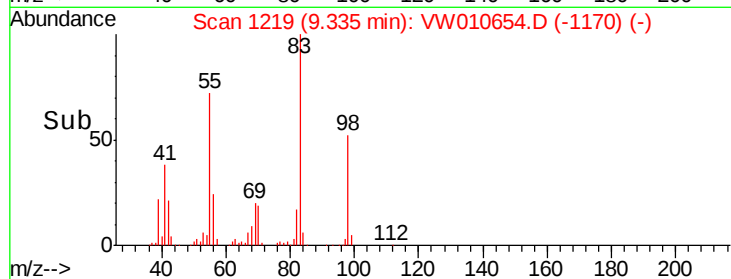
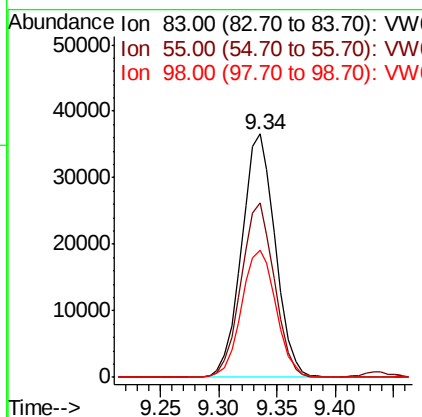
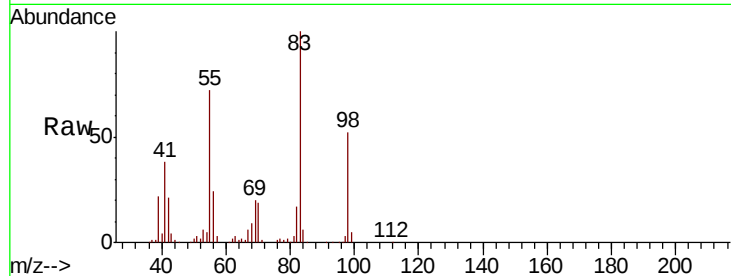




#39
Methvlcvclohexane
Concen: 20.131 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

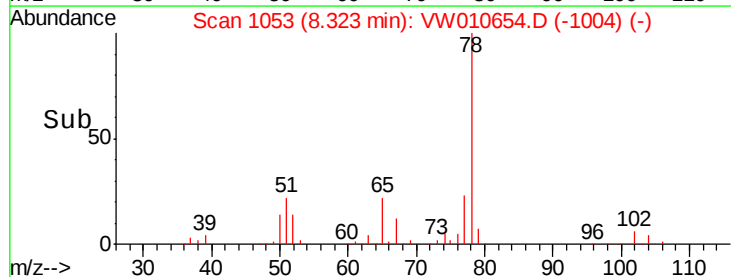
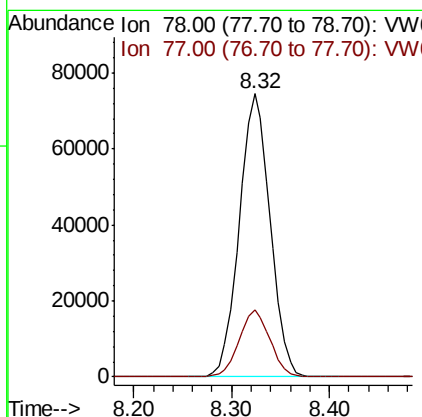
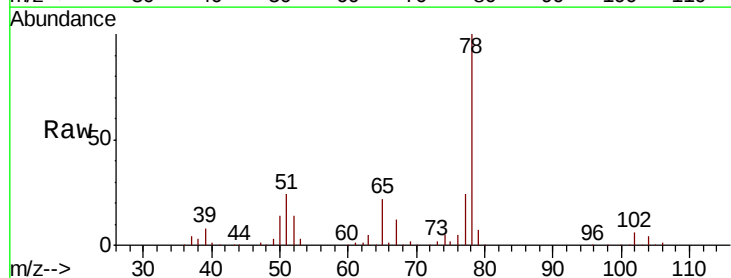
Instrument :
MSVOA_W
ClientSampled :

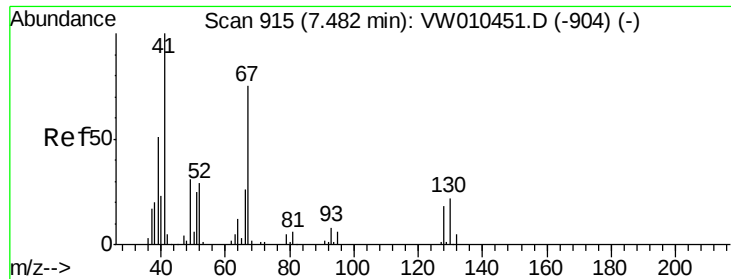
Tot Ion: 83 Resp: 73416
Ion Ratio Lower Upper
83 100
55 71.7 57.0 85.6
98 52.0 42.0 63.0



#40
Benzene
Concen: 21.487 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 78 Resp: 162562
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

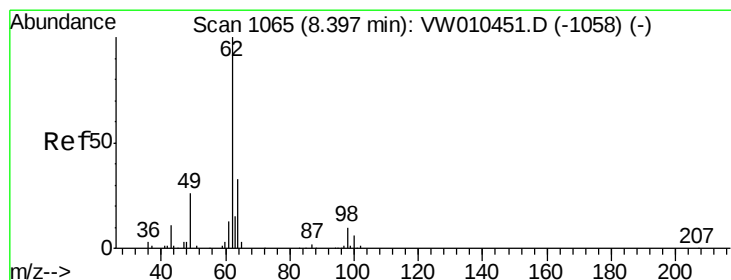
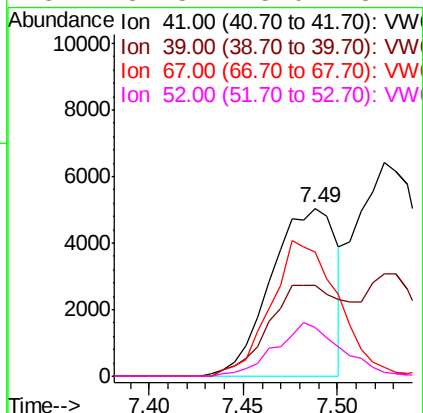
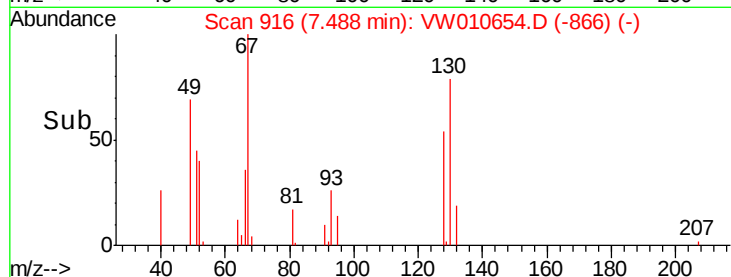
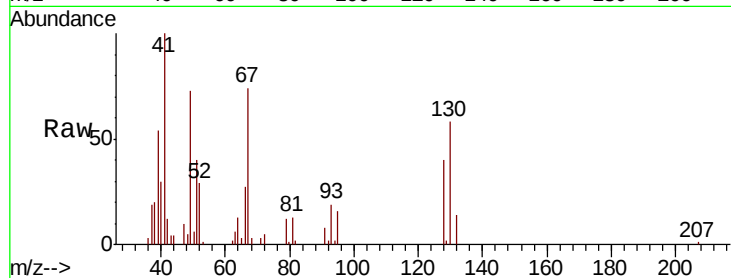




#41
Methacrylonitrile
Concen: 17.682 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

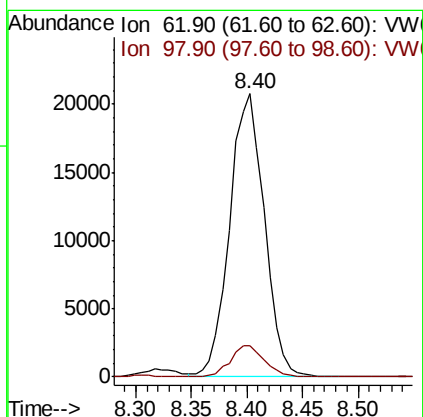
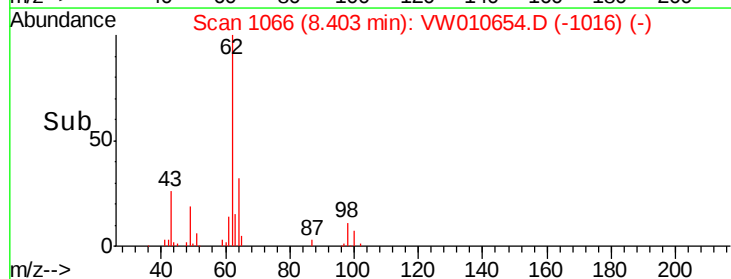
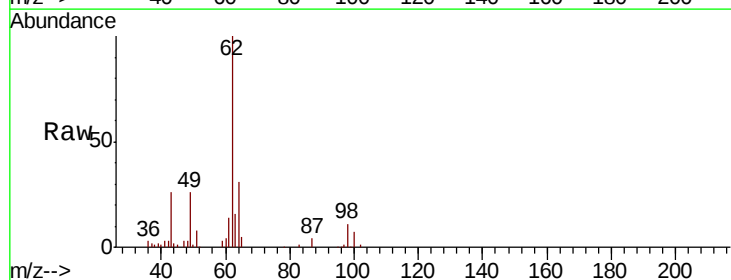
Instrument :
MSVOA_W
ClientSampled :

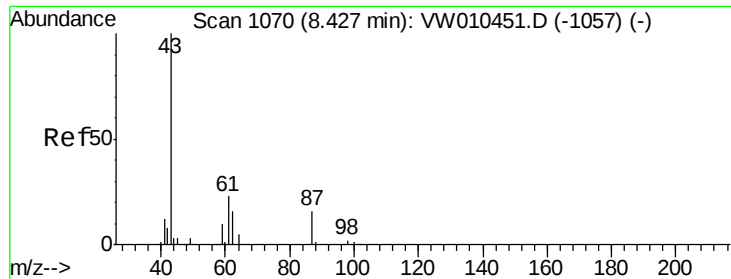
Tot Ion:	41	Resp:	12161
Ion	Ratio	Lower	Upper
41	100		
39	69.2	47.4	71.2
67	83.4	65.5	98.3
52	31.8	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.780 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:	62	Resp:	44934
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.275 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

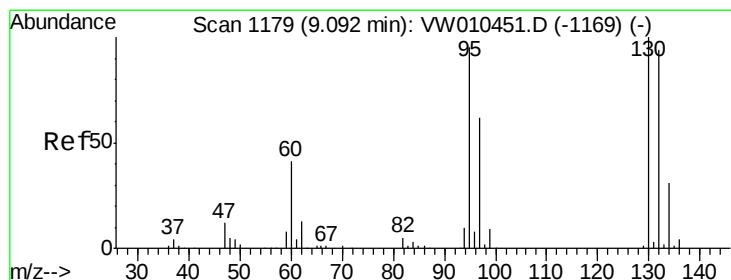
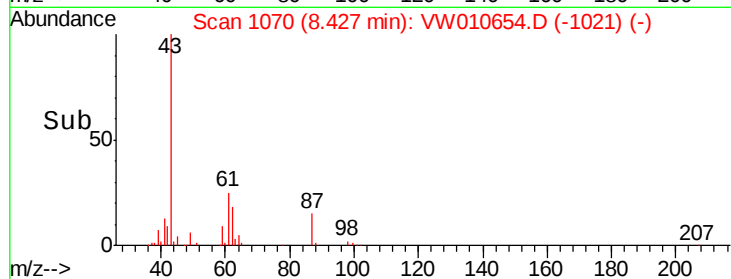
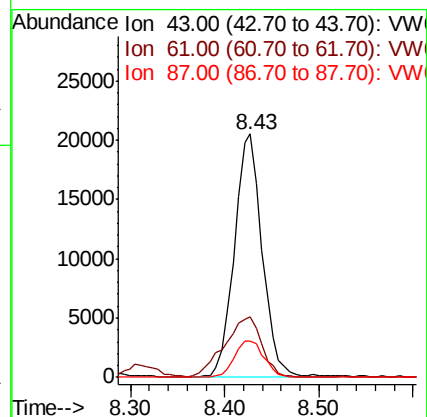
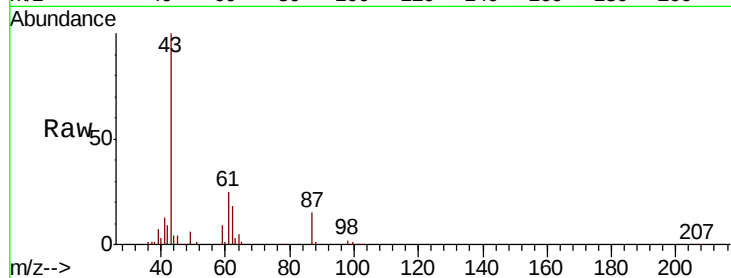
Tot Ion: 43 Resp: 42261

Ion Ratio Lower Upper

43 100

61 33.2 25.4 38.2

87 15.8 12.7 19.1



#44

Trichloroethene

Concen: 22.401 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010654.D

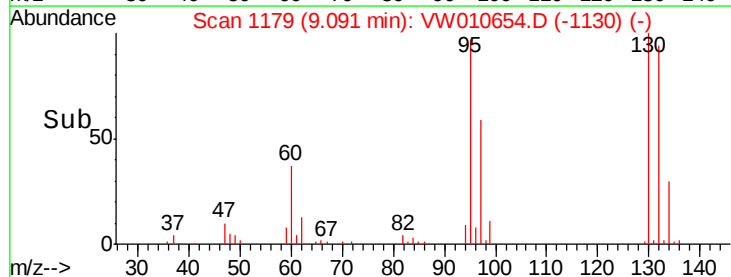
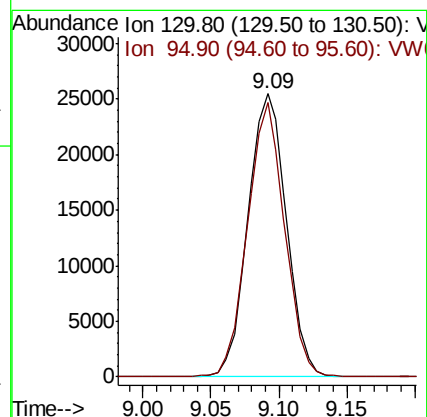
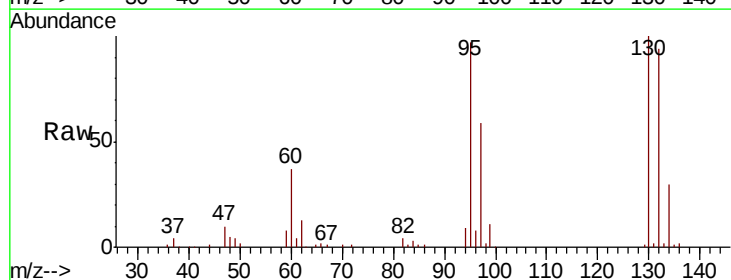
Acq: 03 Jun 2019 12:48

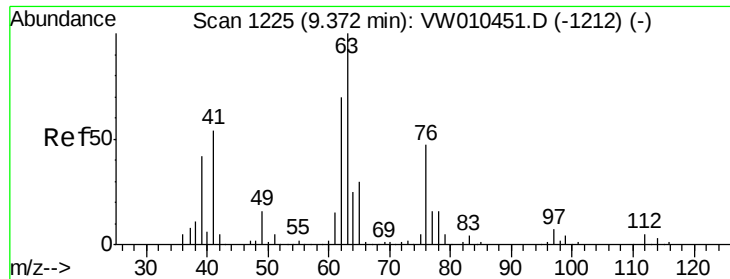
Tgt Ion: 130 Resp: 50315

Ion Ratio Lower Upper

130 100

95 96.8 0.0 189.6





#45

1,2-Dichloropropane

Concen: 21.170 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

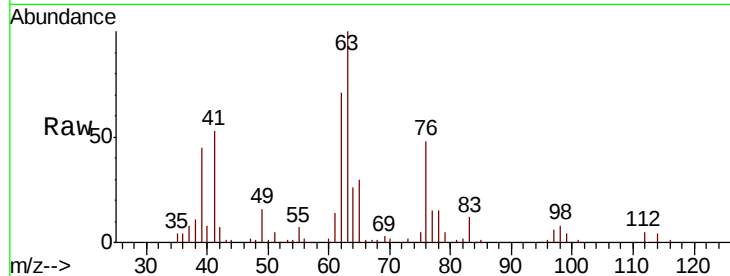
ClientSampled :

Tot Ion: 63 Resp: 38040

Ion Ratio Lower Upper

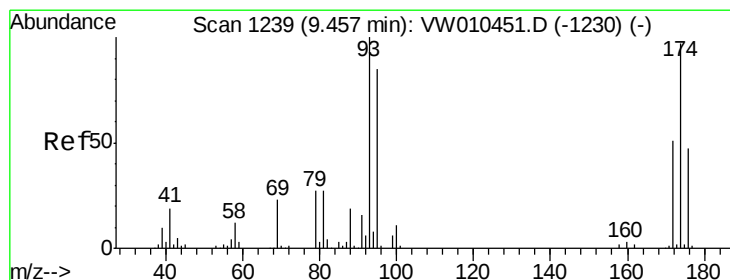
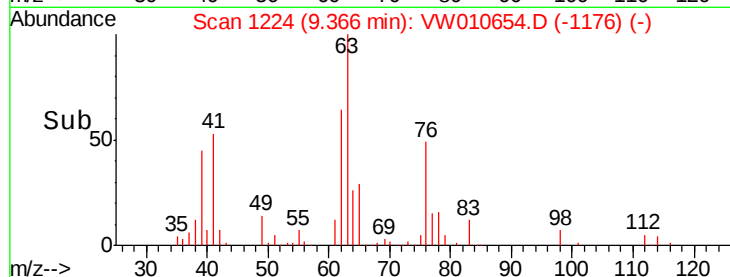
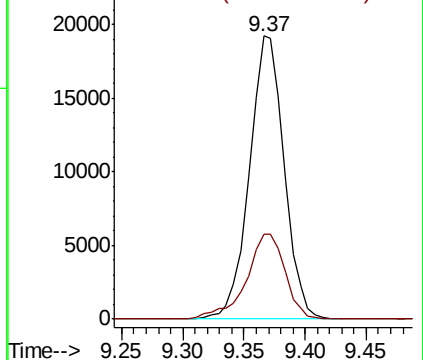
63 100

65 29.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.207 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

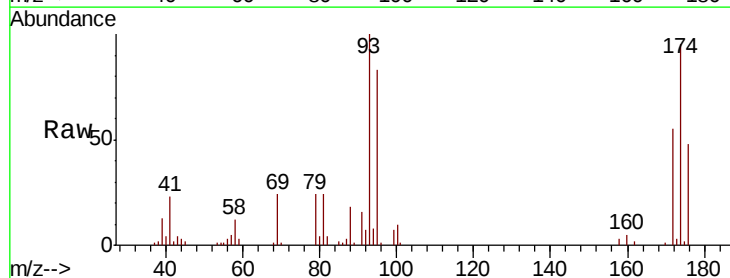
Tgt Ion: 93 Resp: 22285

Ion Ratio Lower Upper

93 100

95 82.0 66.1 99.1

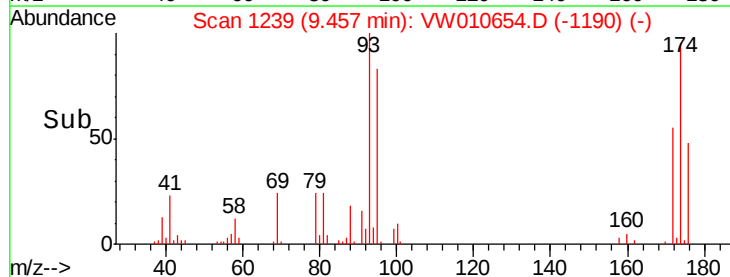
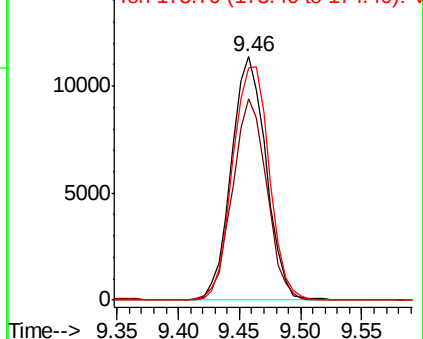
174 101.5 77.1 115.7



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





#47

Bromodichloromethane

Concen: 20.612 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

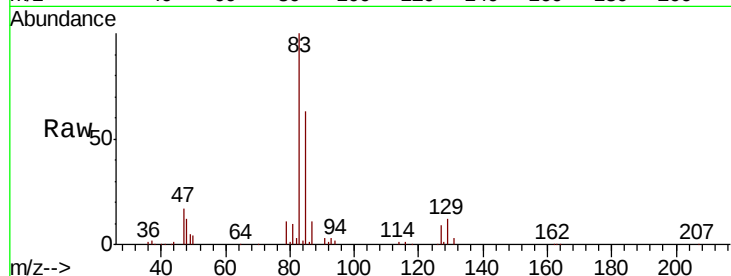
Tot Ion: 83 Resp: 54431

Ion Ratio Lower Upper

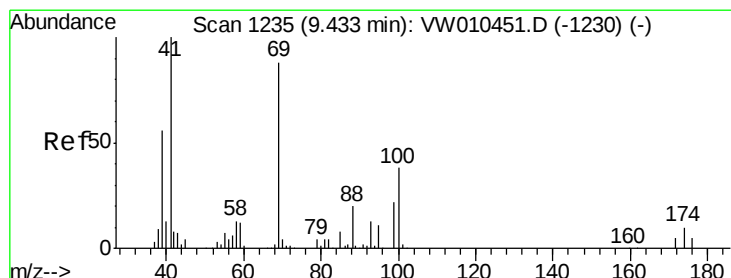
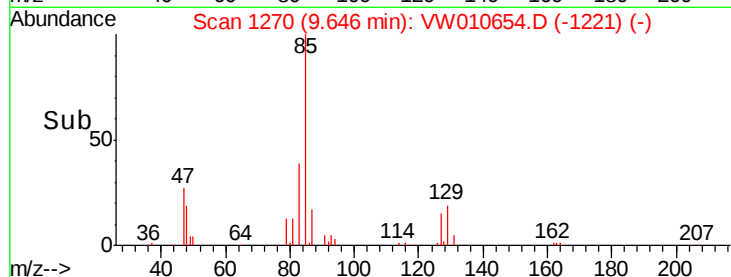
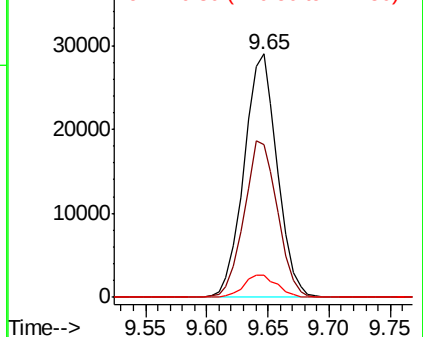
83 100

85 62.7 50.4 75.6

127 9.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 17.410 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

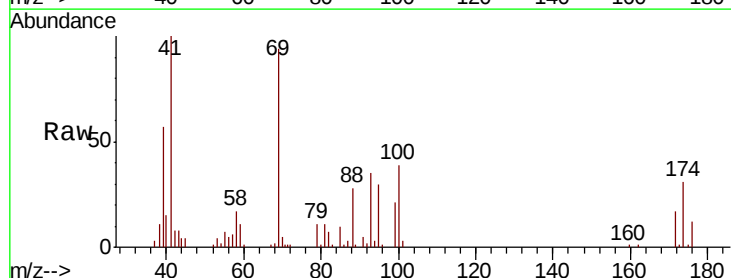
Tgt Ion: 41 Resp: 18419

Ion Ratio Lower Upper

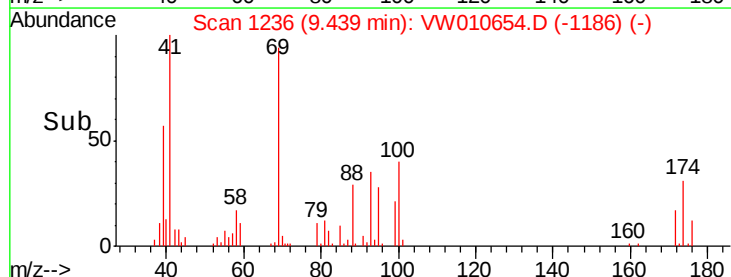
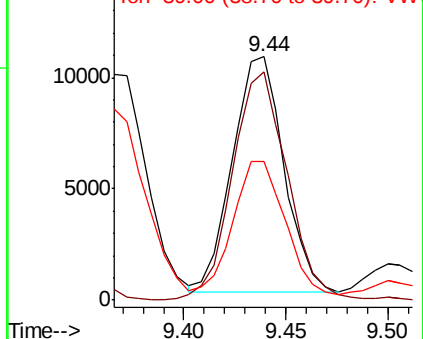
41 100

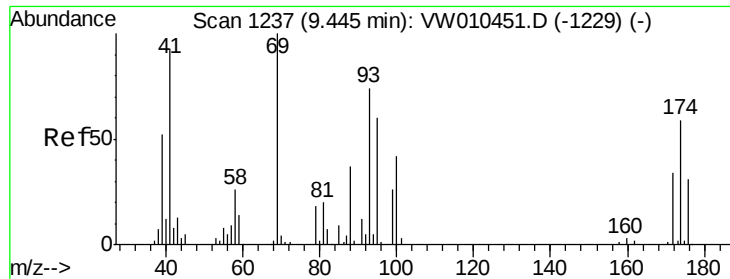
69 104.9 77.6 116.4

39 63.2 49.8 74.8



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

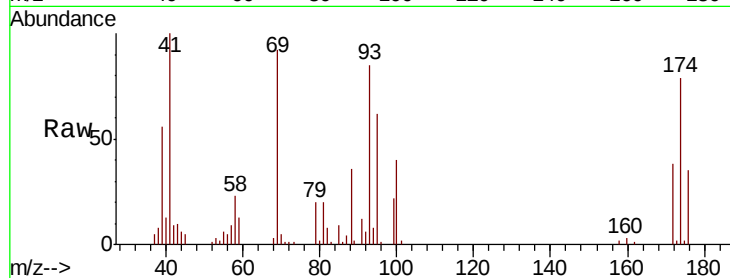




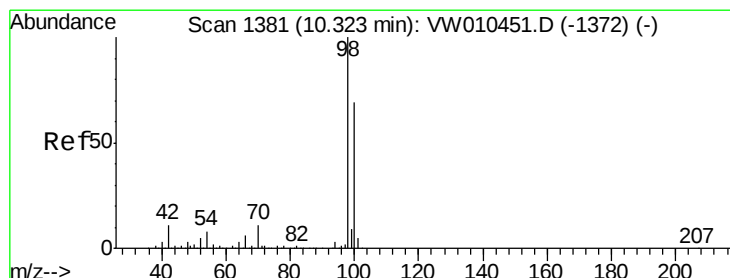
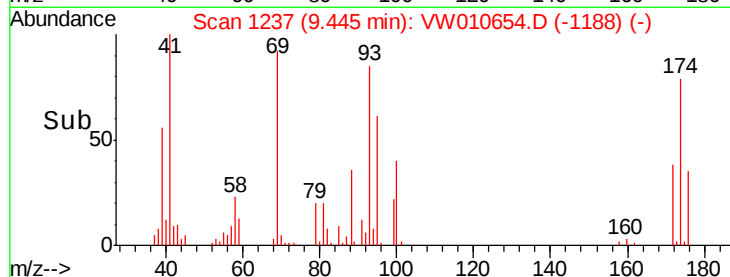
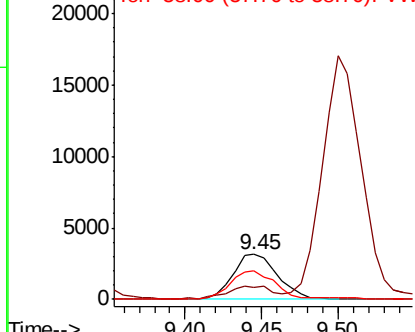
#49
1,4-Dioxane
Concen: 372.947 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 6402
Ion Ratio Lower Upper
88 100
43 31.3 25.9 38.9
58 64.5 52.7 79.1

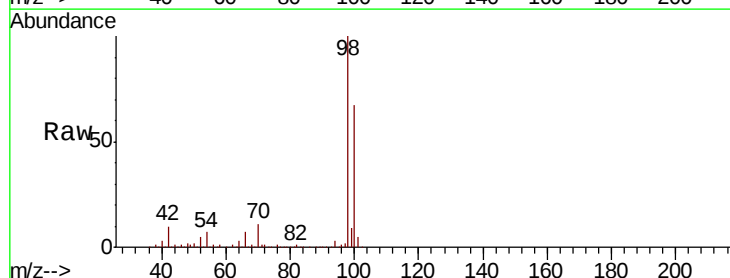


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

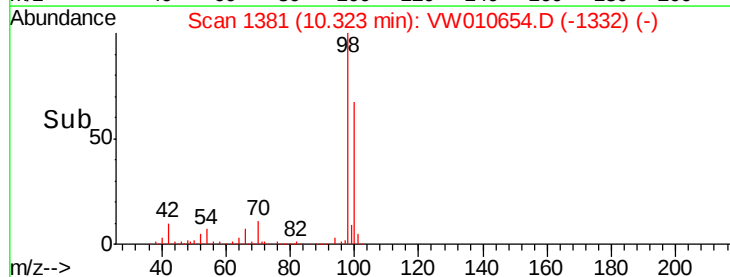
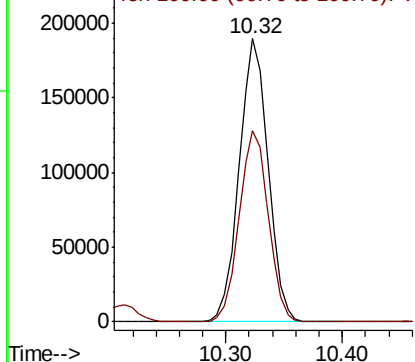


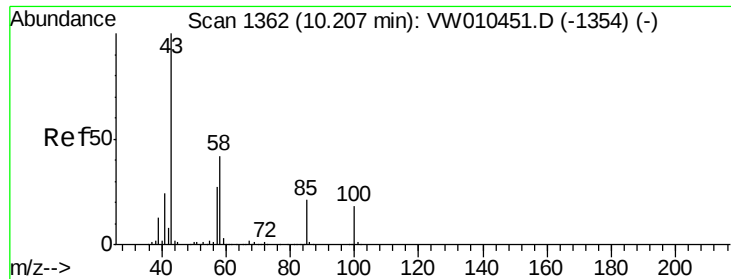
#50
Toluene-d8
Concen: 48.527 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 98 Resp: 328692
Ion Ratio Lower Upper
98 100
100 67.9 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: 88.970 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

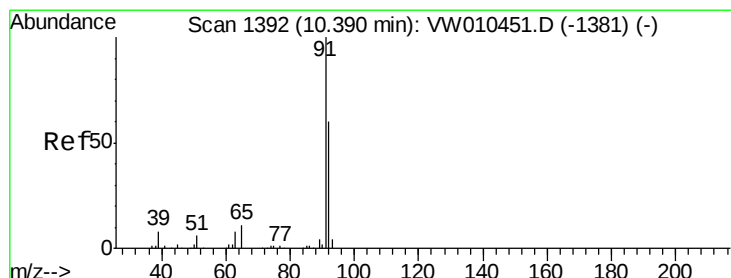
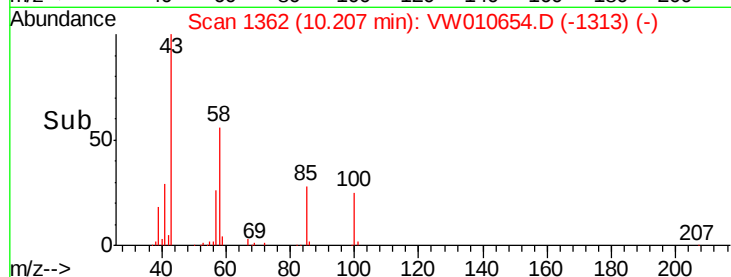
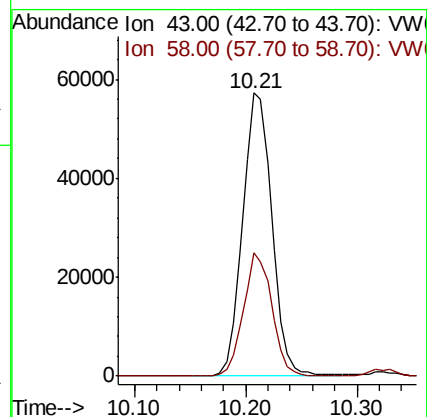
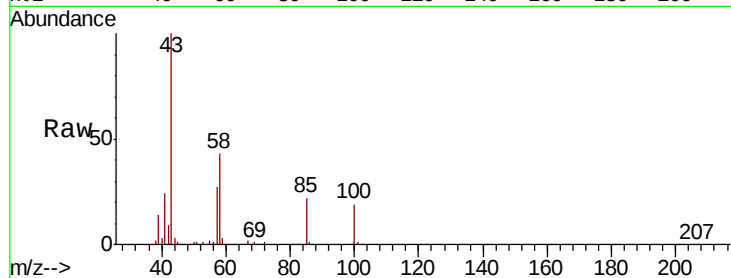
ClientSampleId :

Tot Ion: 43 Resp: 104255

Ion Ratio Lower Upper

43 100

58 42.5 33.2 49.8



#52

Toluene

Concen: 22.047 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010654.D

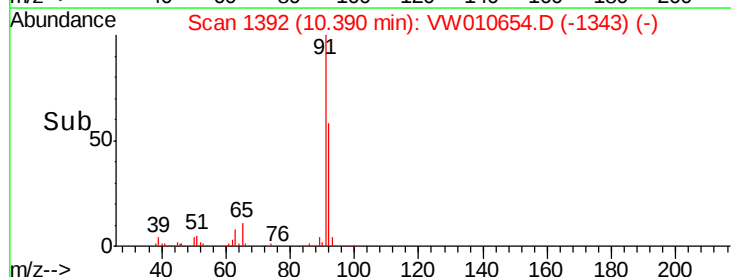
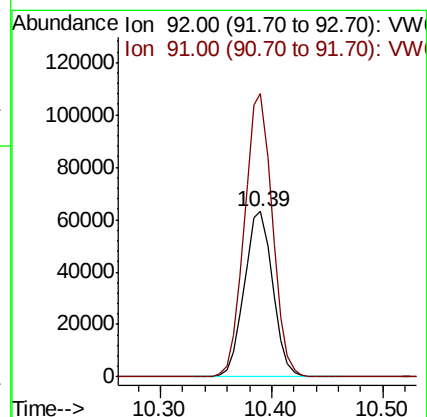
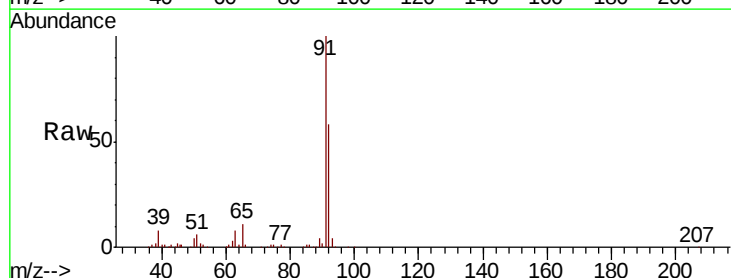
Acq: 03 Jun 2019 12:48

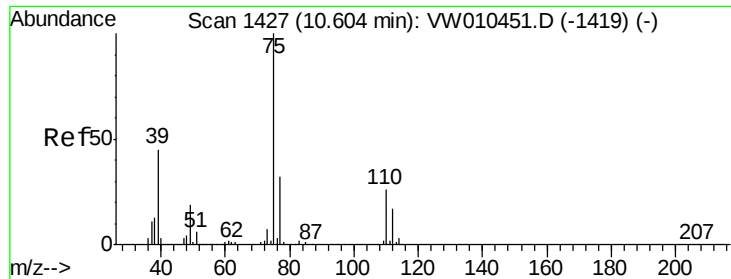
Tgt Ion: 92 Resp: 112020

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0

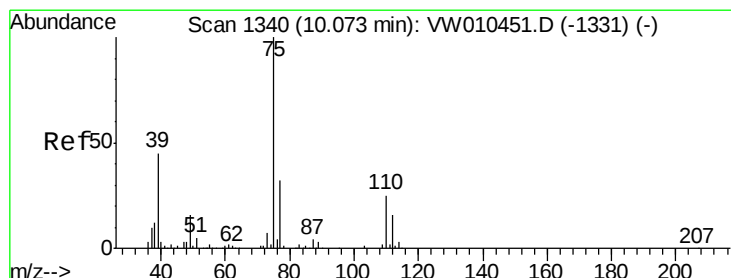
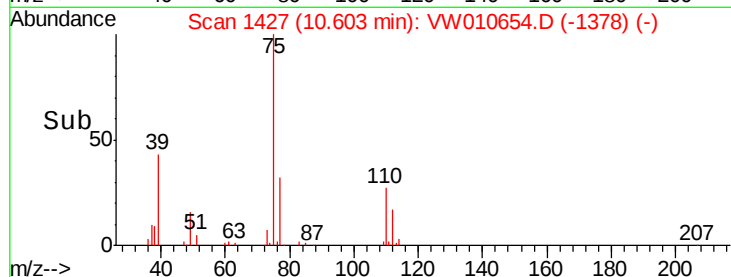
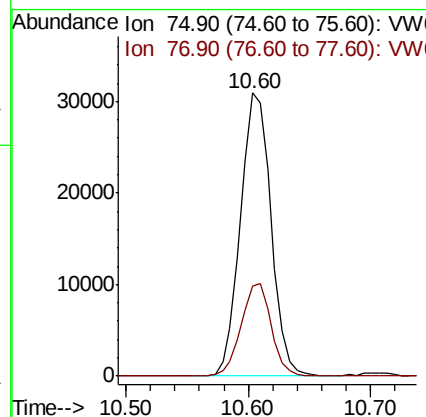
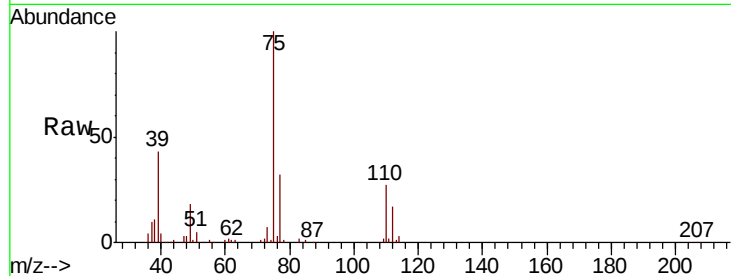




#53
 t-1,3-Dichloropropene
 Concen: 19.998 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

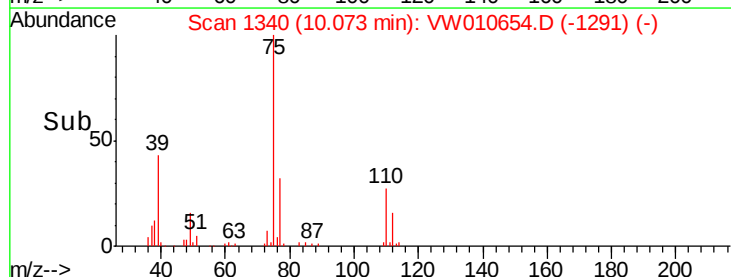
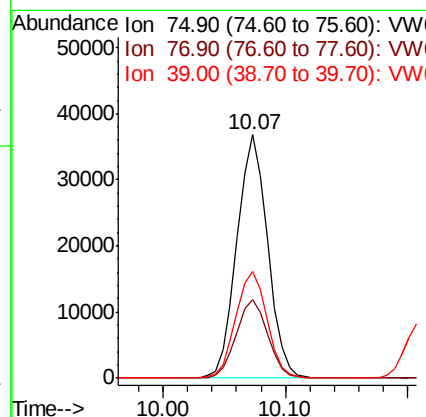
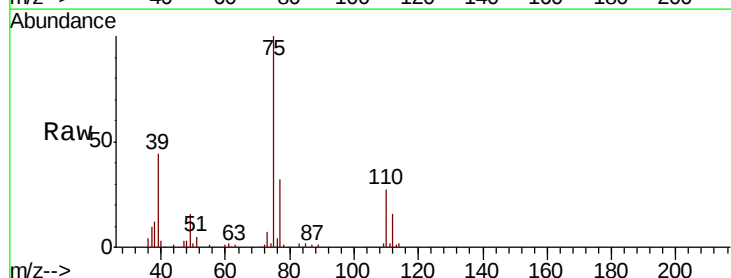
Instrument :
 MSVOA_W
 ClientSampleId :

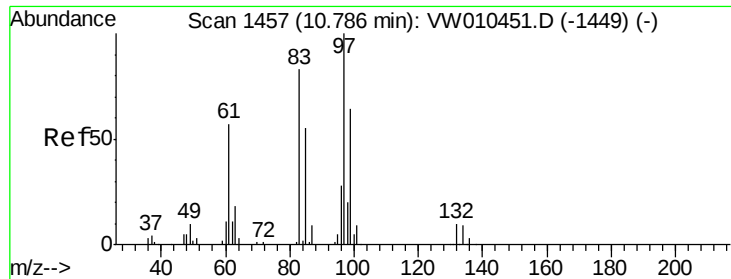
Tot Ion: 75 Resp: 53484
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.954 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion: 75 Resp: 64001
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 43.6 36.2 54.4

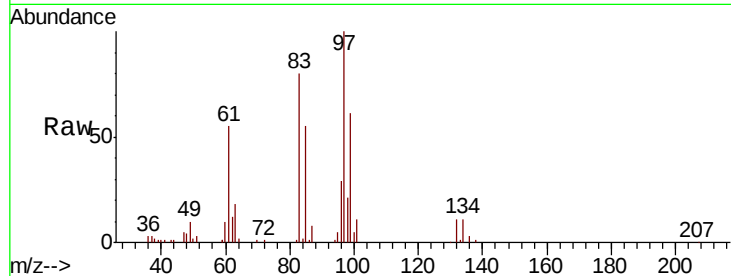




#55
 1,1,2-Trichloroethane
 Concen: 21.023 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	31768
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.1	99.1
85	54.6	44.2	66.4
99	60.5	51.1	76.7



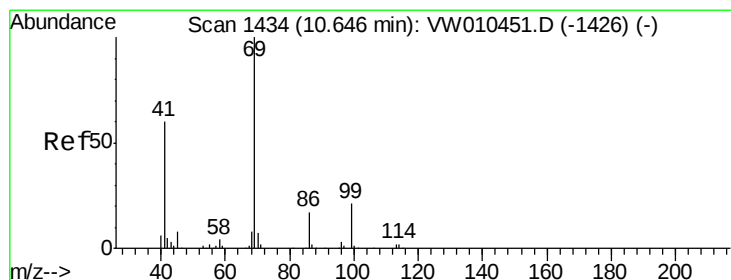
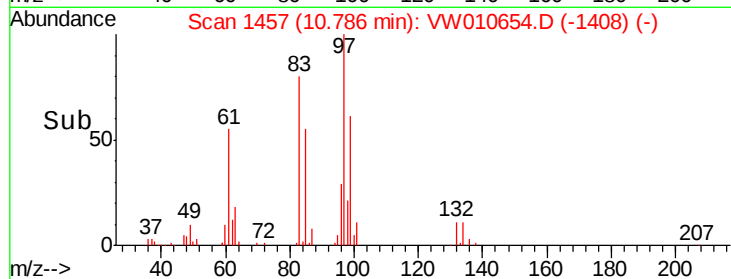
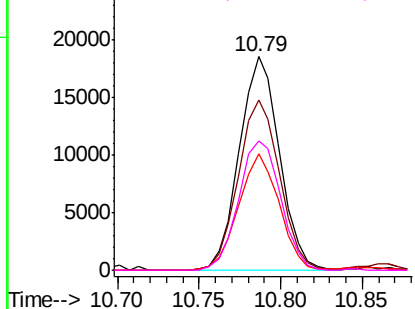
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

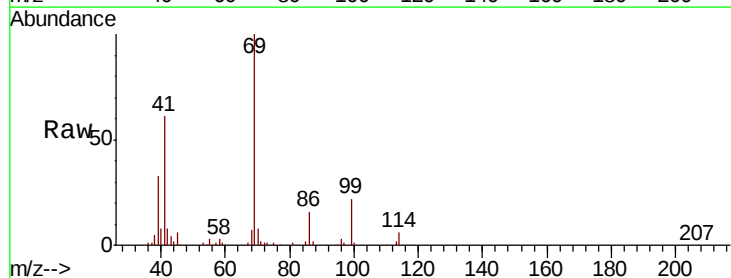
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 18.332 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion:	69	Resp:	38205
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.7	71.5
39	32.0	25.3	37.9

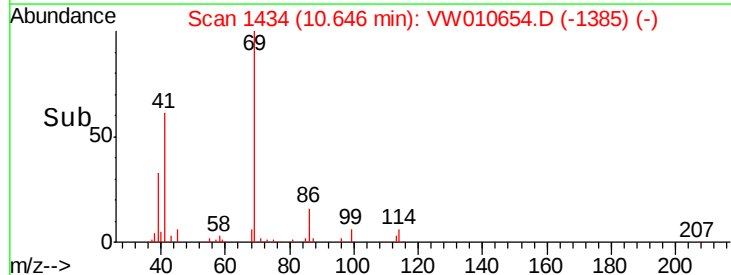
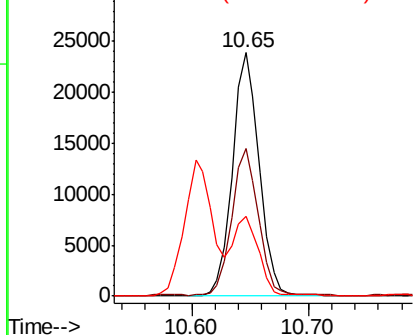


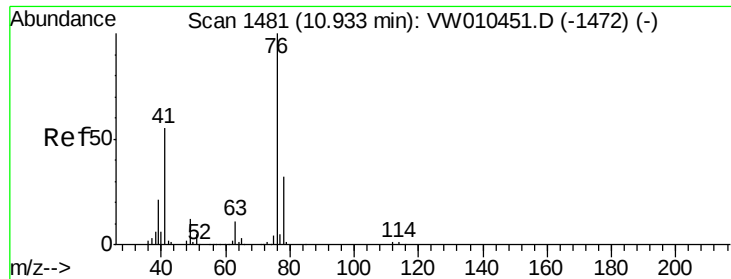
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

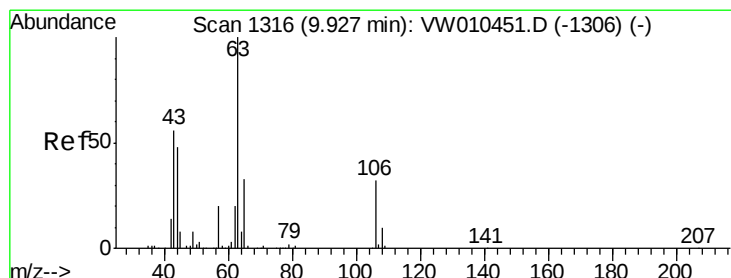
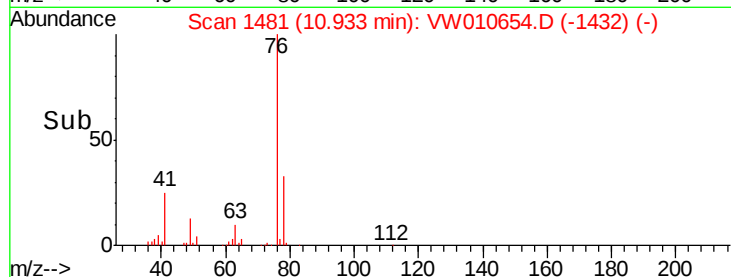
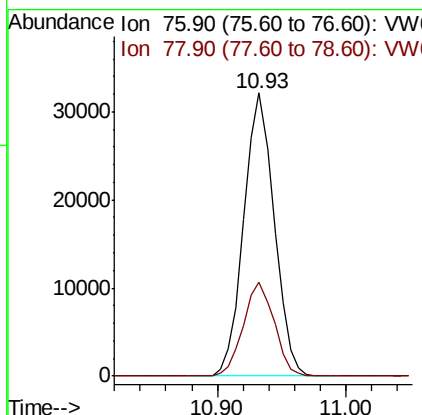
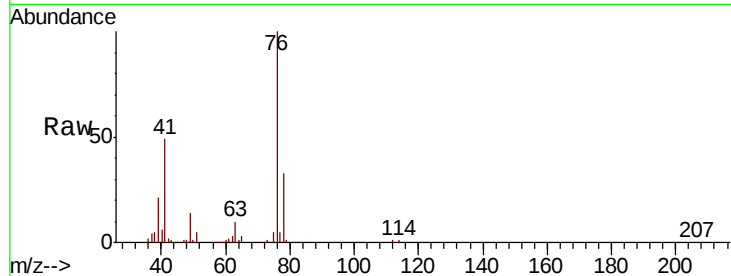




#57
 1,3-Dichloropropane
 Concen: 20.709 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

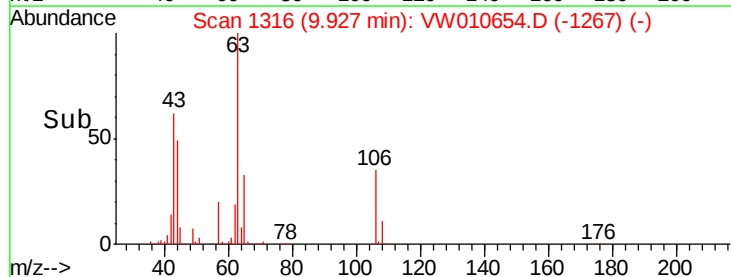
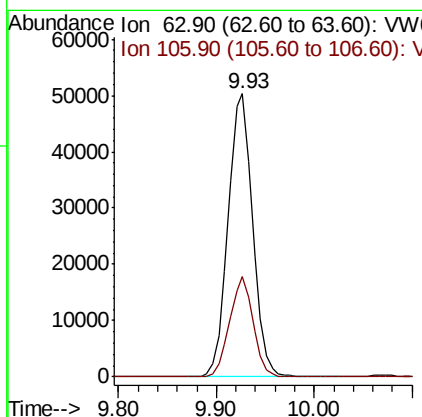
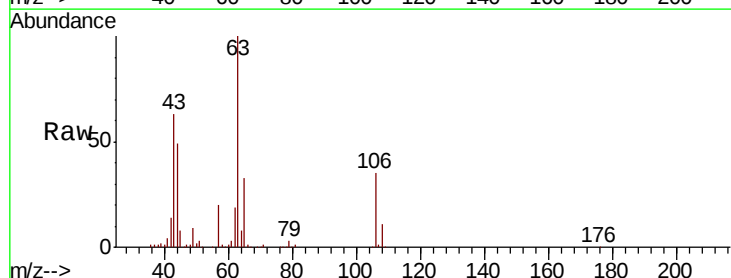
Instrument :
 MSVOA_W
 ClientSampled :

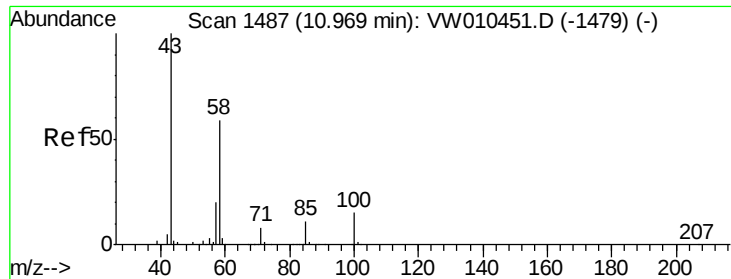
Tot Ion: 76 Resp: 52420
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.698 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion: 63 Resp: 87415
 Ion Ratio Lower Upper
 63 100
 106 33.8 25.8 38.6

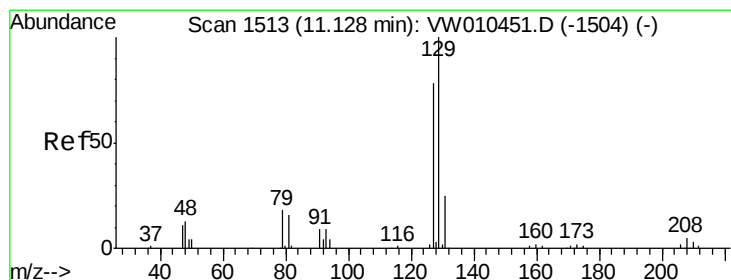
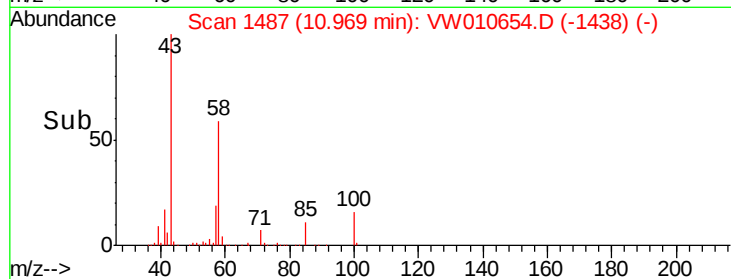
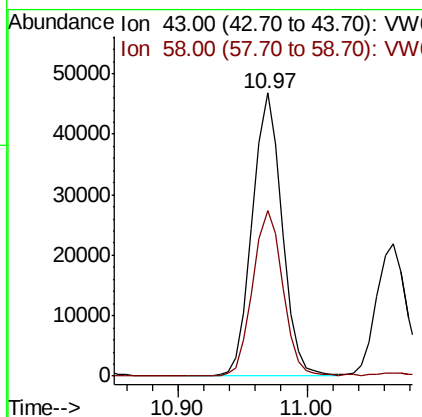
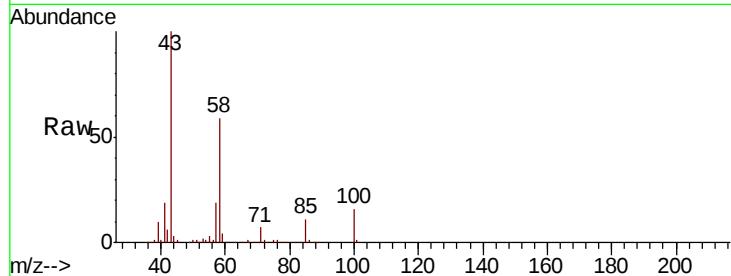




#59
2-Hexanone
Concen: 89.273 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

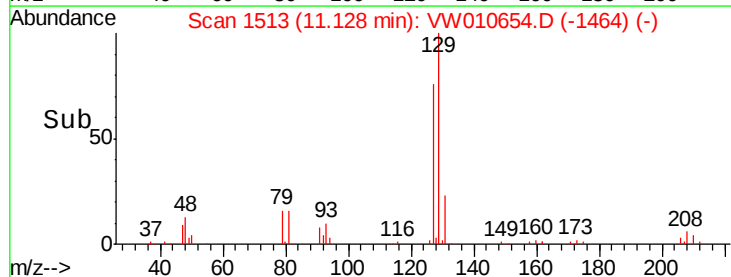
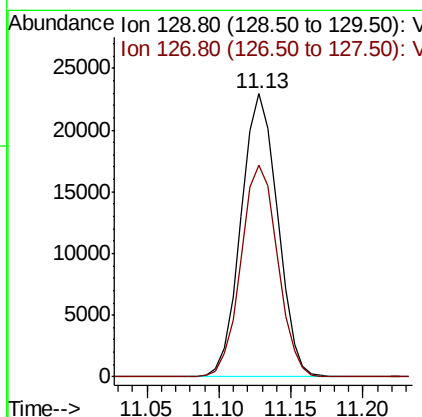
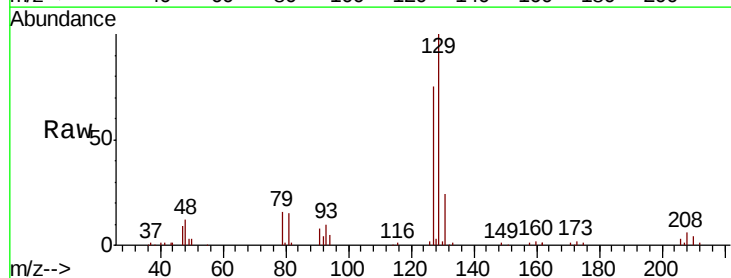
Instrument :
MSVOA_W
ClientSampleId :

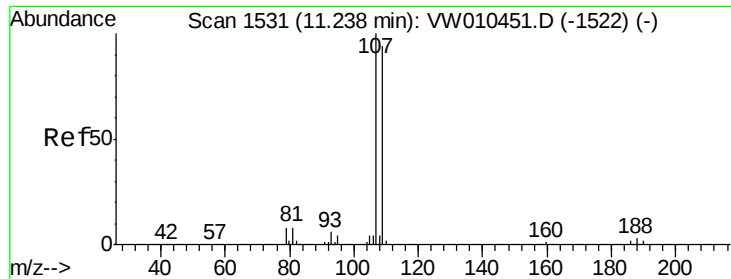
Tot Ion: 43 Resp: 74623
Ion Ratio Lower Upper
43 100
58 59.6 28.9 86.8



#60
Dibromochloromethane
Concen: 21.135 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 129 Resp: 40420
Ion Ratio Lower Upper
129 100
127 75.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.559 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

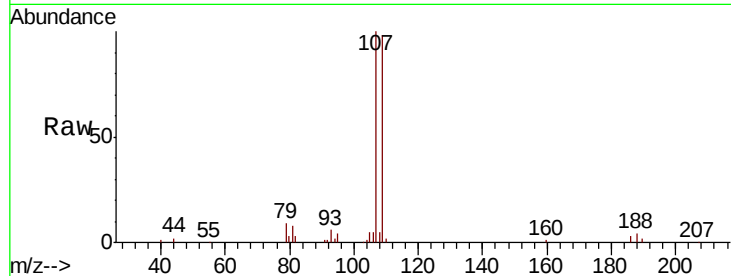
ClientSampleId :

Tot Ion:107 Resp: 31471

Ion Ratio Lower Upper

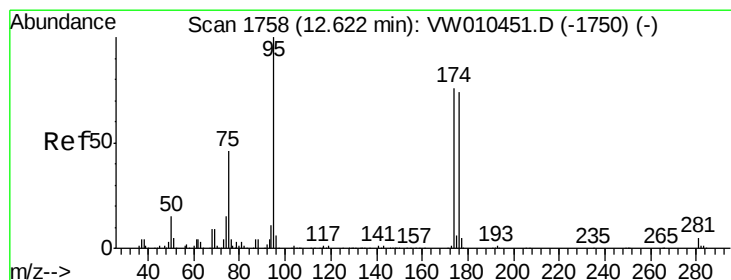
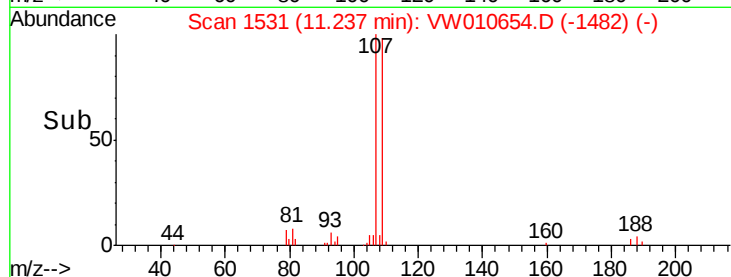
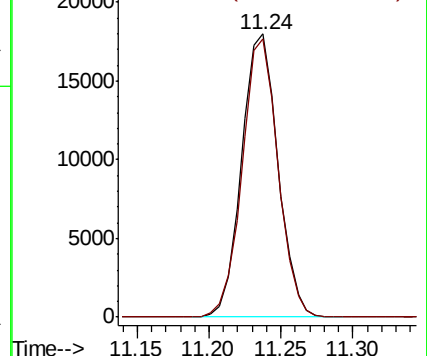
107 100

109 96.5 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.579 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

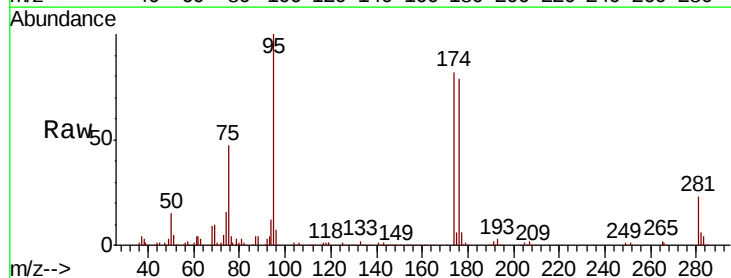
Tgt Ion: 95 Resp: 128367

Ion Ratio Lower Upper

95 100

174 79.1 0.0 148.6

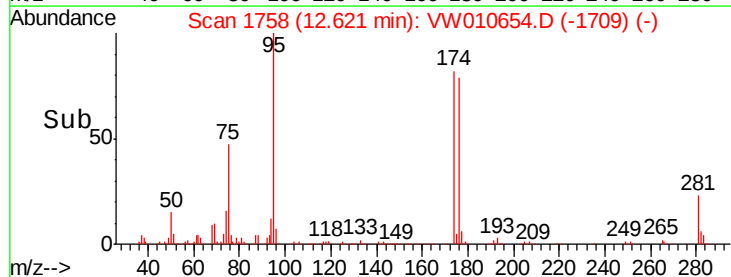
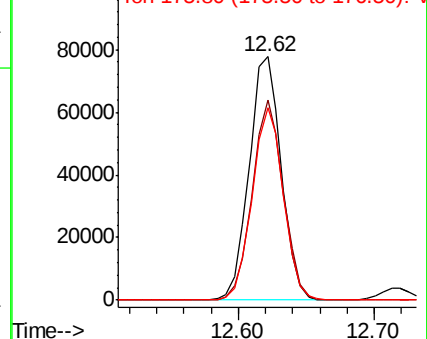
176 77.1 0.0 144.2

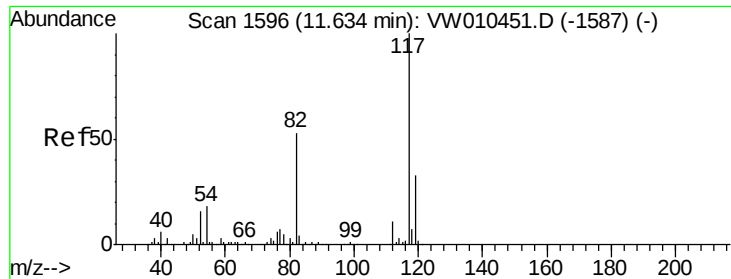


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

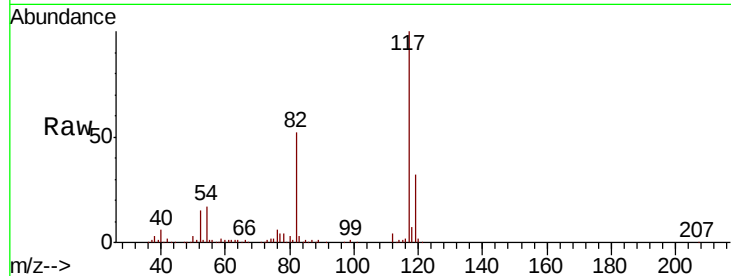




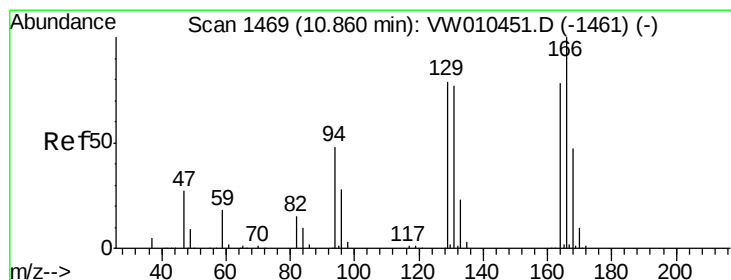
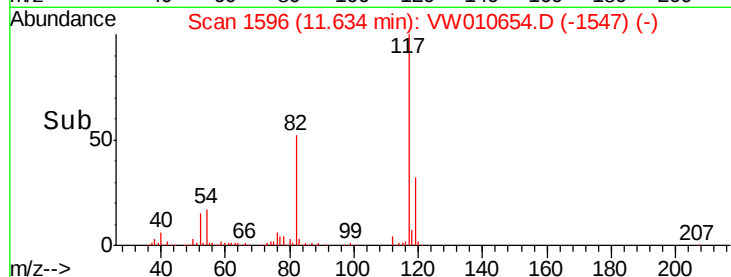
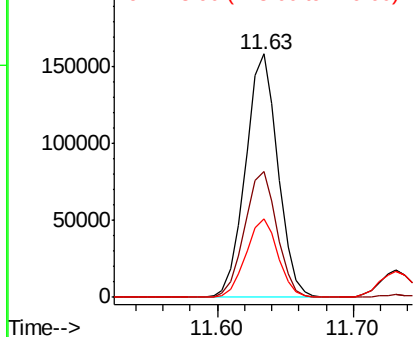
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 263504
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 32.1 26.3 39.5

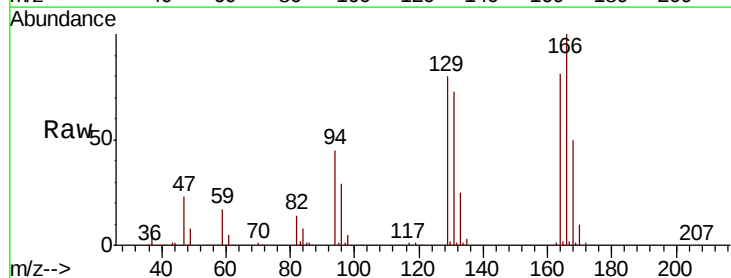


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

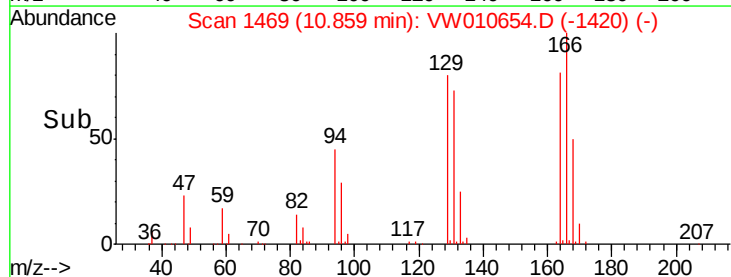
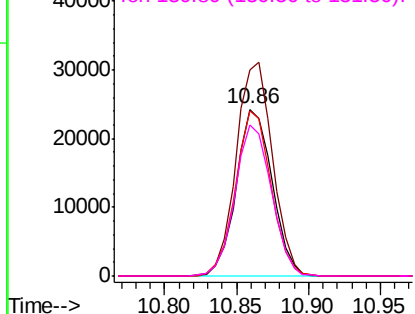


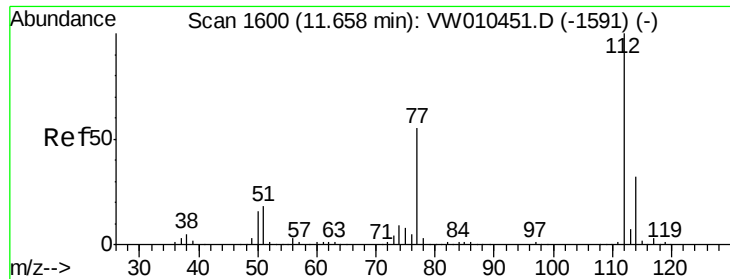
#64
Tetrachloroethene
Concen: 22.851 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:164 Resp: 41974
Ion Ratio Lower Upper
164 100
166 123.8 101.9 152.9
129 99.1 80.6 121.0
131 90.8 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

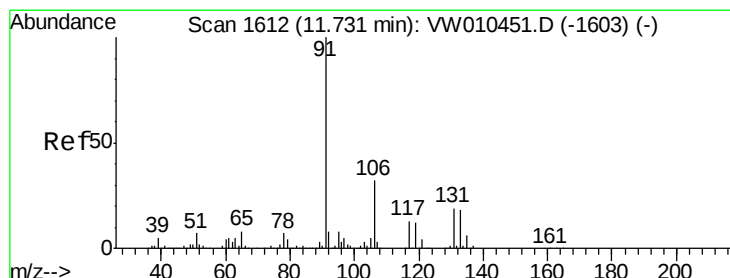
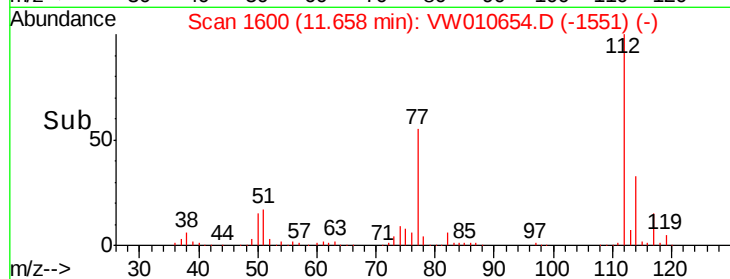
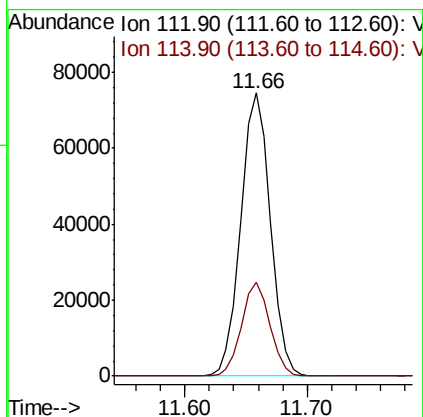
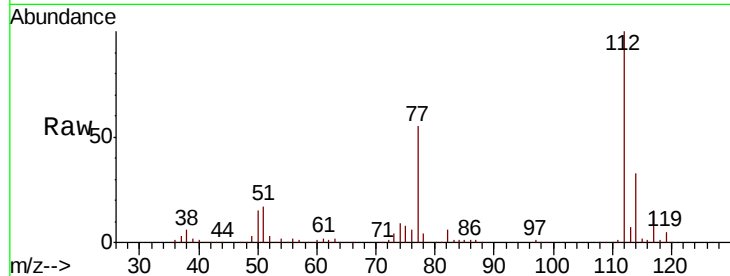




#65
Chlorobenzene
Concen: 22.239 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

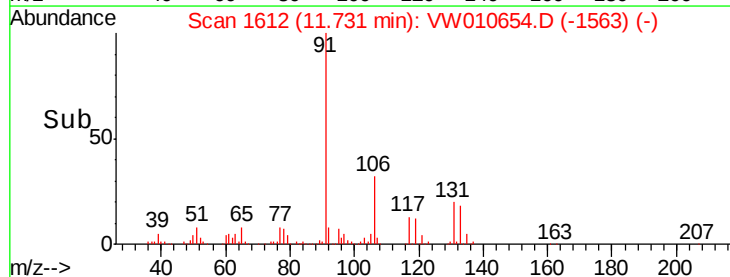
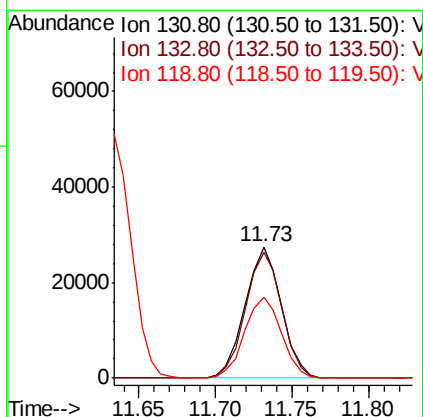
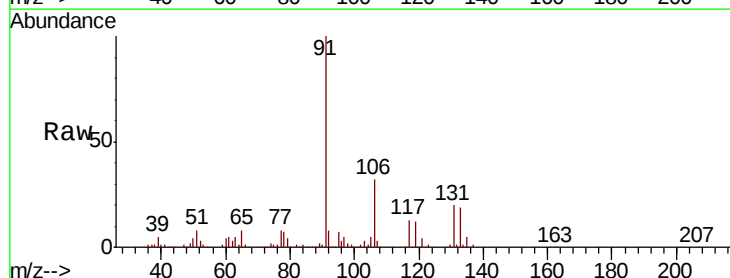
Instrument :
MSVOA_W
ClientSampleId :

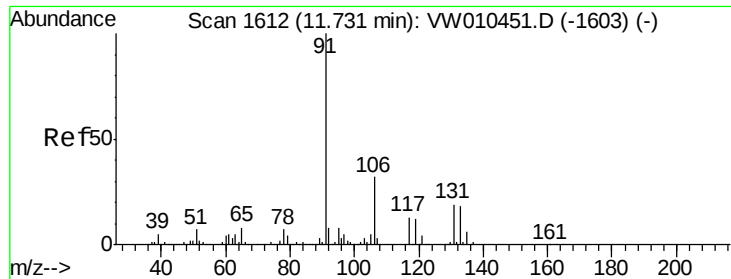
Tot Ion:112 Resp: 124894
Ion Ratio Lower Upper
112 100
114 33.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.449 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:131 Resp: 45161
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 63.1 32.1 96.5

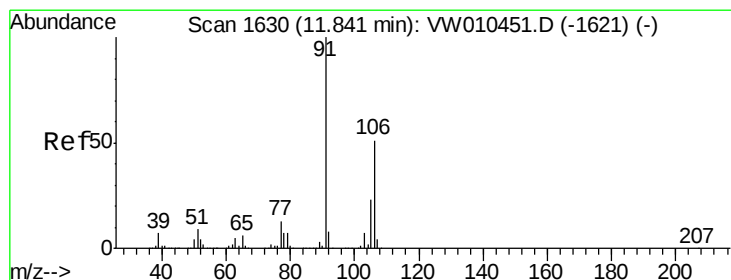
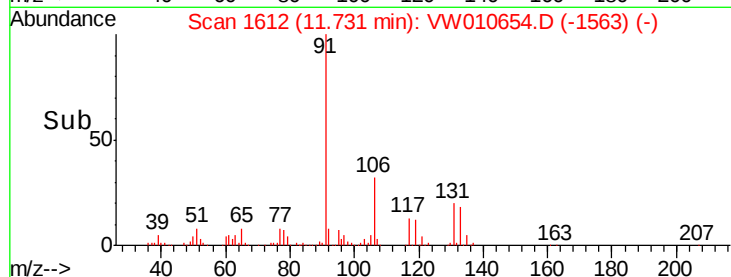
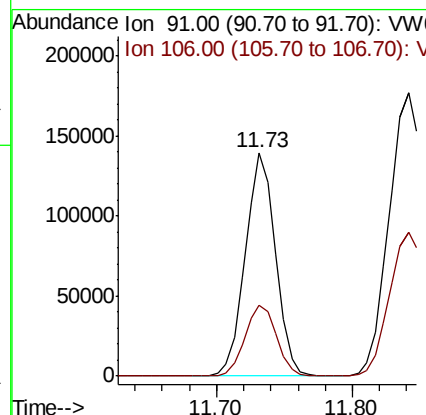
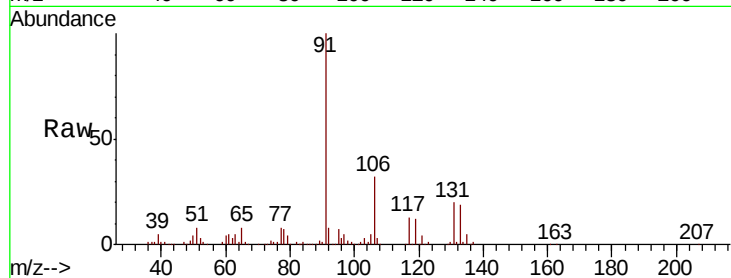




#67
Ethyl Benzene
Concen: 21.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

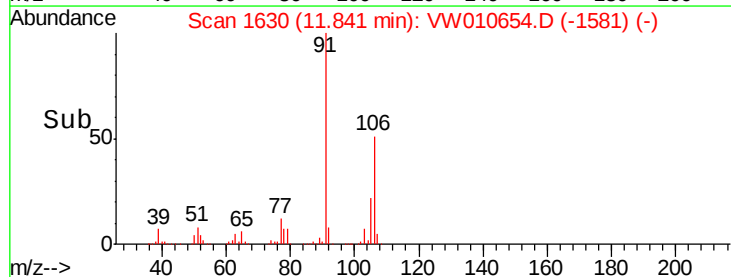
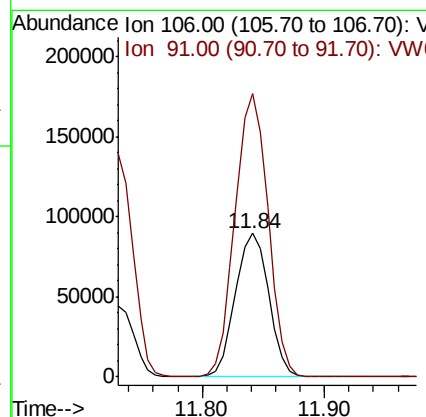
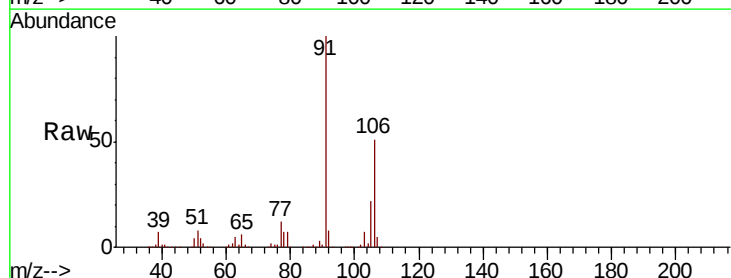
Instrument :
MSVOA_W
ClientSampled :

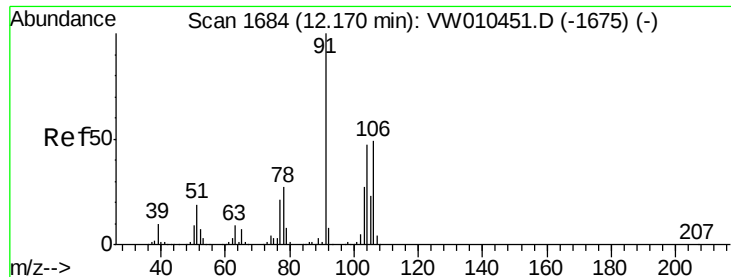
Tot Ion: 91 Resp: 216521
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 43.667 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion: 106 Resp: 169823
Ion Ratio Lower Upper
106 100
91 195.4 156.0 234.0

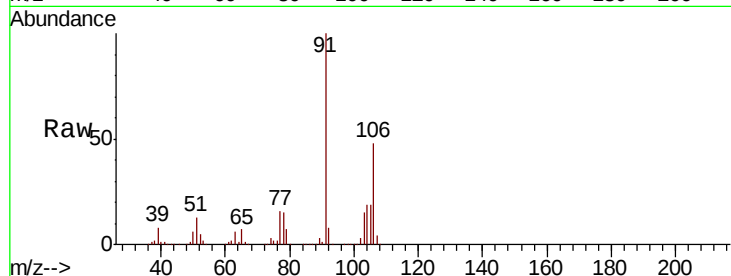




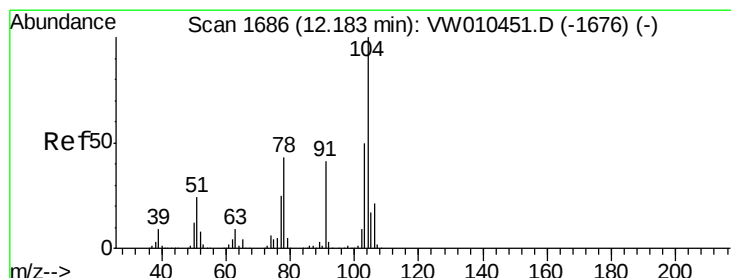
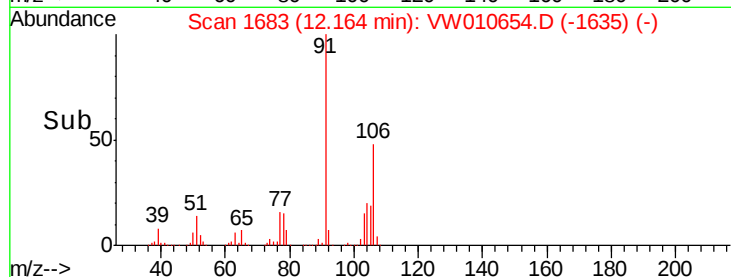
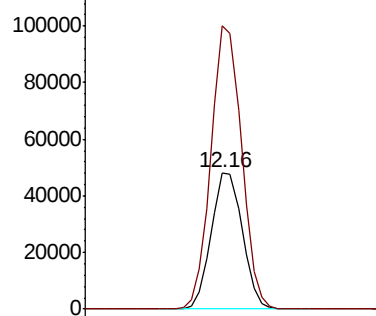
#69
o-Xylene
Concen: 21.914 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 80744
Ion Ratio Lower Upper
106 100
91 203.7 103.2 309.4

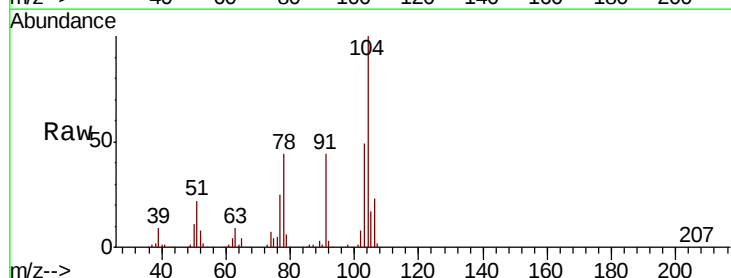


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

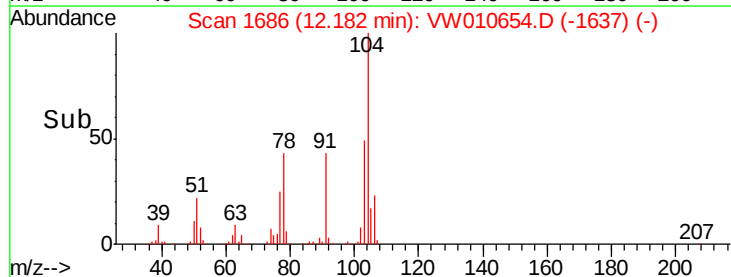
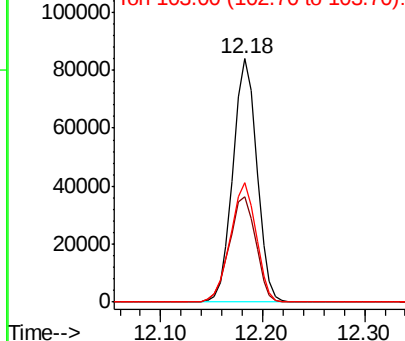


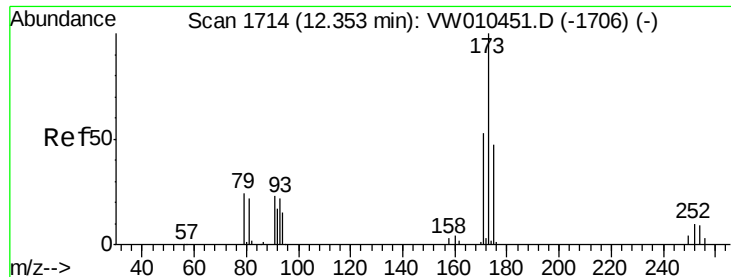
#70
Styrene
Concen: 21.731 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:104 Resp: 135855
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 52.9 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

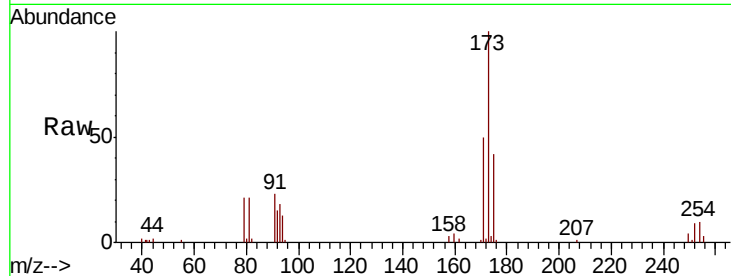




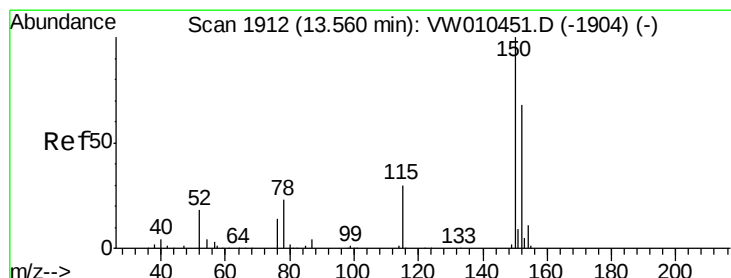
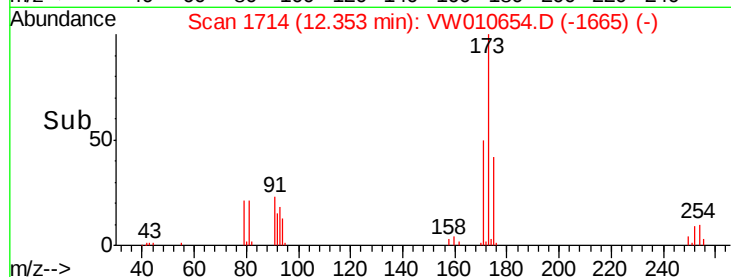
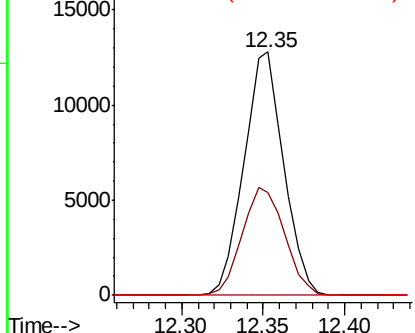
#71
Bromoform
Concen: 19.573 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 21684
Ion Ratio Lower Upper
173 100
175 47.1 24.4 73.4
254 0.0 0.0 0.0

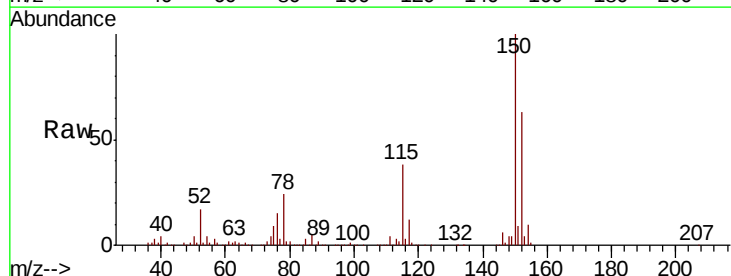


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

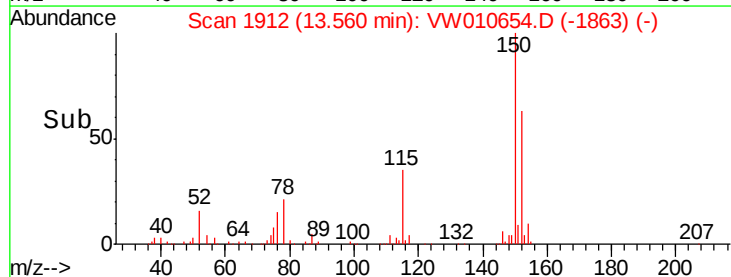
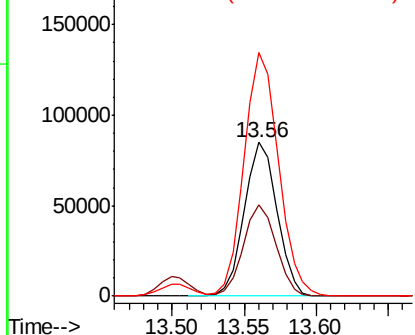


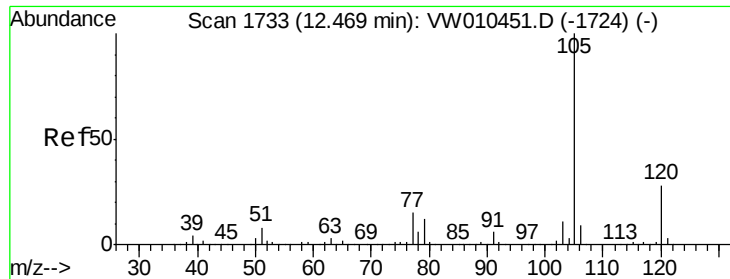
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:152 Resp: 133797
Ion Ratio Lower Upper
152 100
115 59.2 30.3 91.0
150 166.8 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: 20.926 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

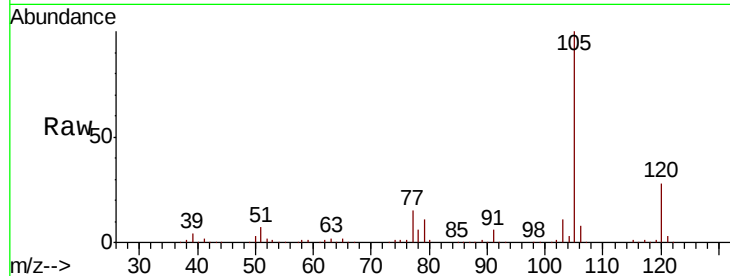
ClientSampleId :

Tot Ion:105 Resp: 222177

Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

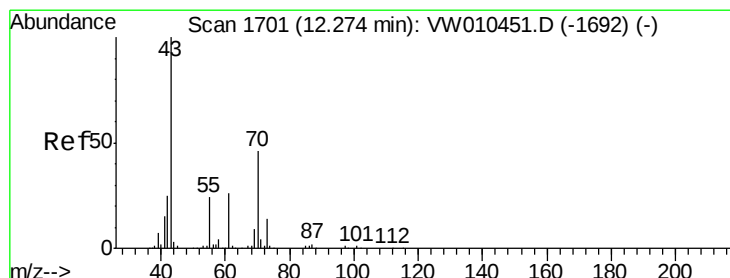
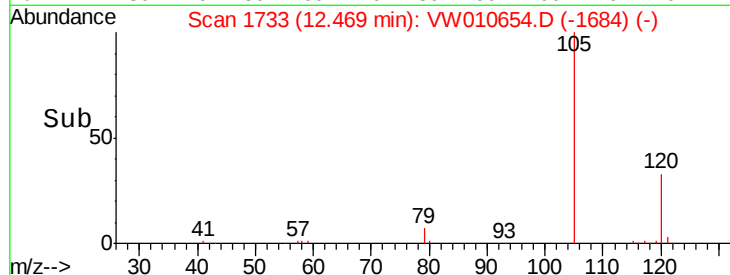
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 16.312 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Tgt Ion: 43 Resp: 39687

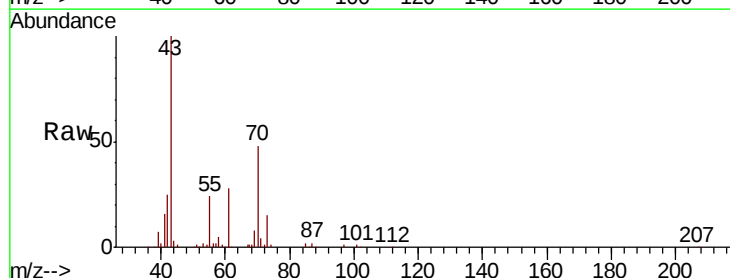
Ion Ratio Lower Upper

43 100

70 48.7 37.1 55.7

55 25.0 19.6 29.4

61 27.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

40000

30000

20000

10000

0

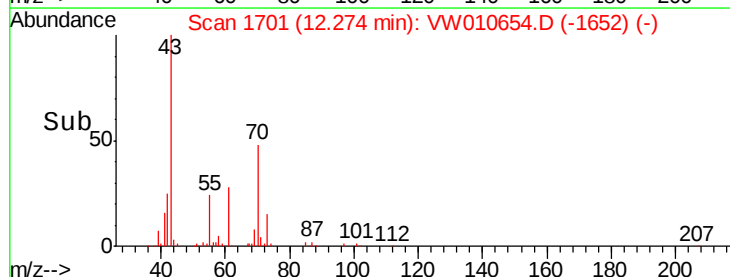
12.27

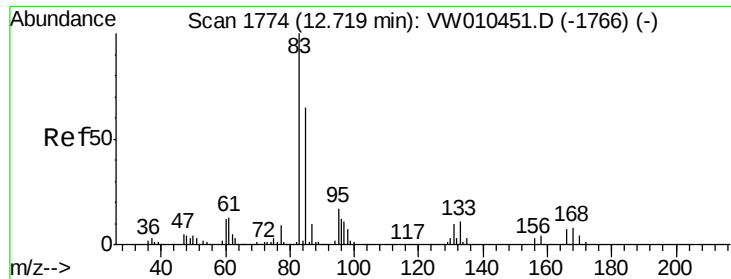
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.018 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

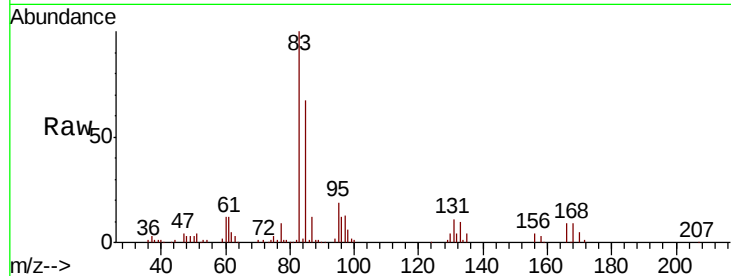
Tot Ion: 83 Resp: 34796

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

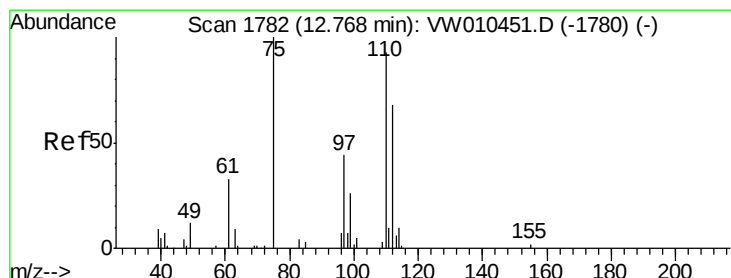
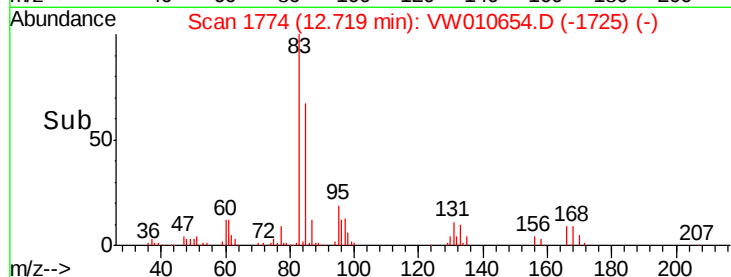
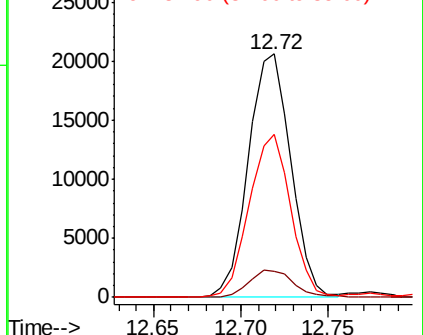
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.895 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010654.D

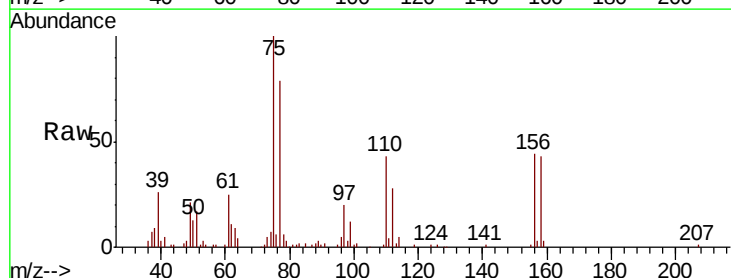
Acq: 03 Jun 2019 12:48

Tgt Ion: 75 Resp: 44676

Ion Ratio Lower Upper

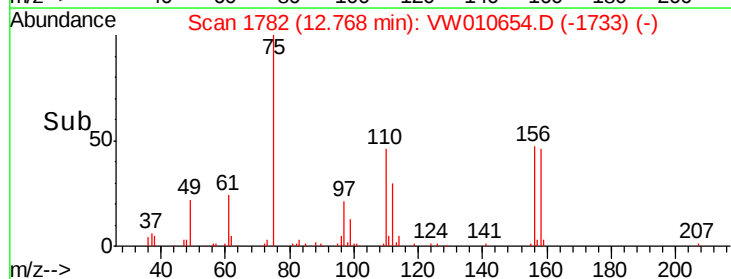
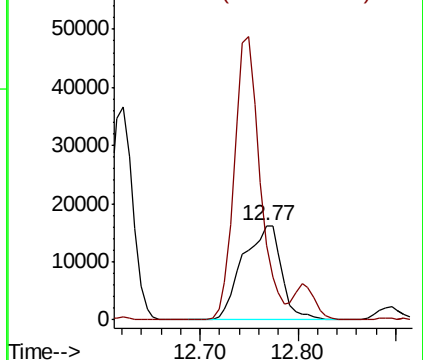
75 100

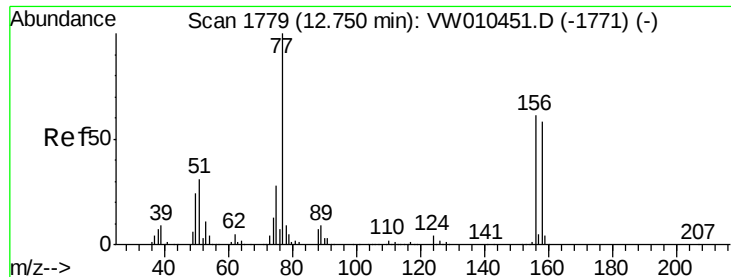
77 199.6 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

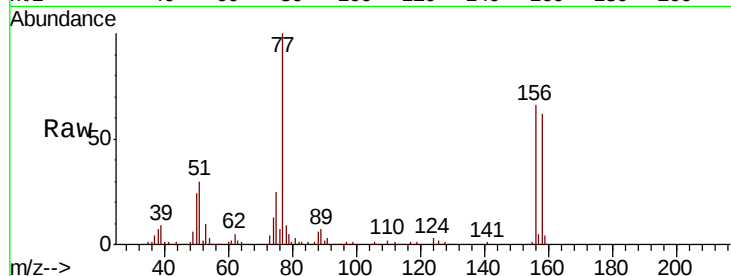
Tot Ion:156 Resp: 52783

Ion Ratio Lower Upper

156 100

77 169.0 92.4 277.2

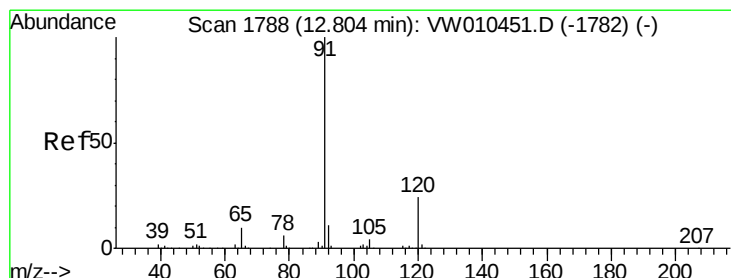
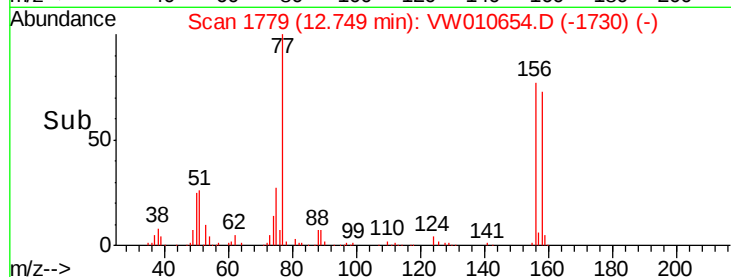
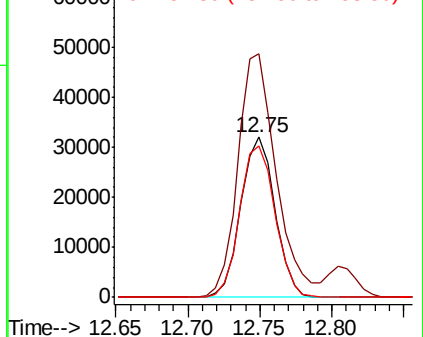
158 97.4 48.3 144.8



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: 20.378 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010654.D

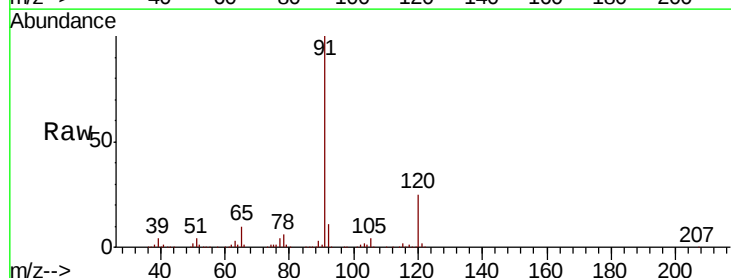
Acq: 03 Jun 2019 12:48

Tgt Ion: 91 Resp: 252137

Ion Ratio Lower Upper

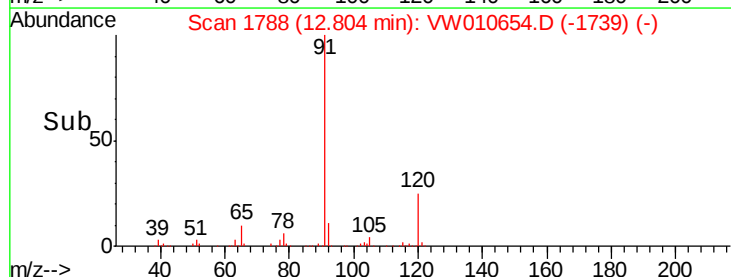
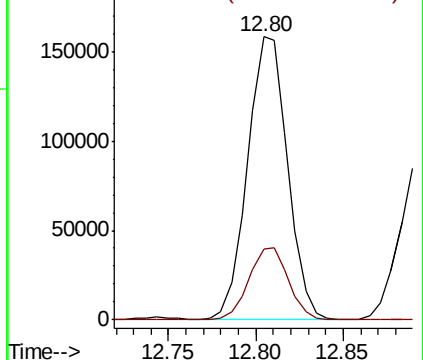
91 100

120 25.4 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: 20.477 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

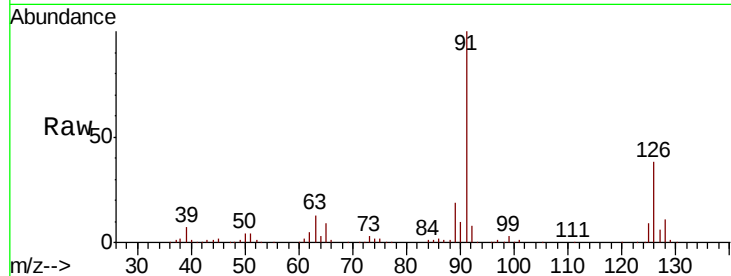
ClientSampleId :

Tot Ion: 91 Resp: 146932

Ion Ratio Lower Upper

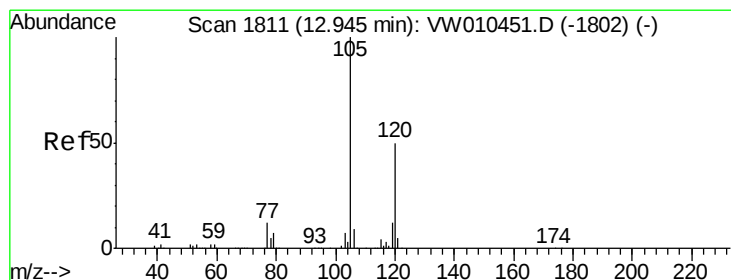
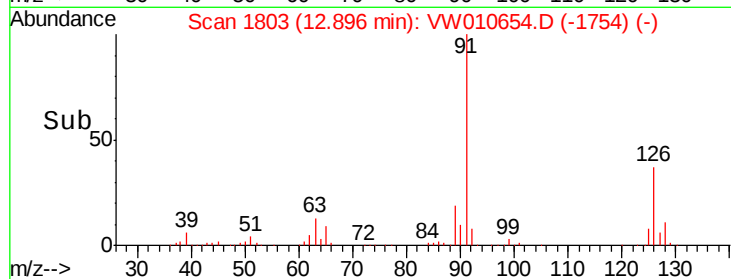
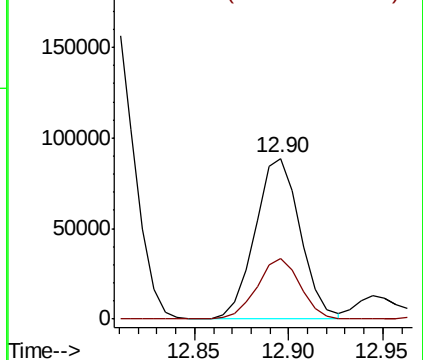
91 100

126 36.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.758 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010654.D

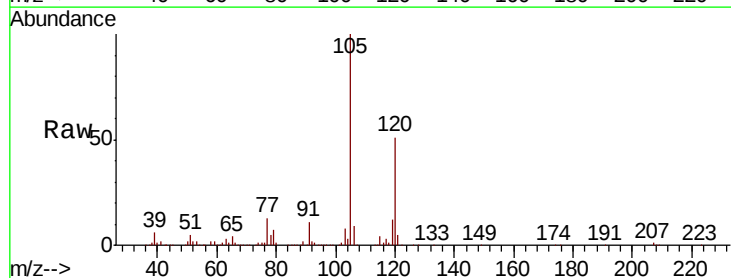
Acq: 03 Jun 2019 12:48

Tgt Ion:105 Resp: 186660

Ion Ratio Lower Upper

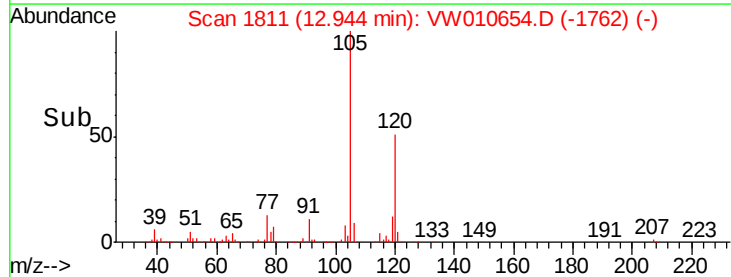
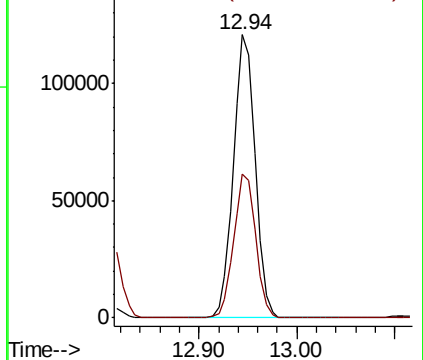
105 100

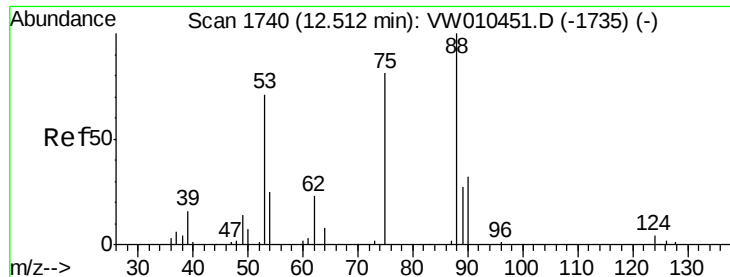
120 51.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.914 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

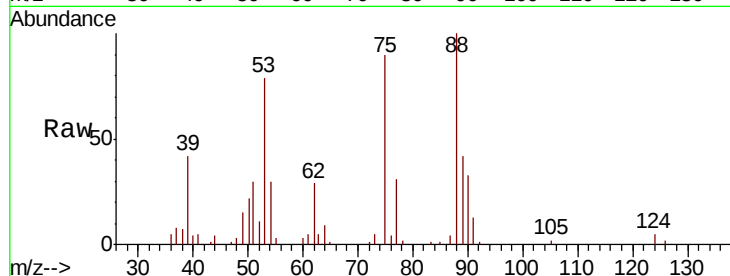
Tot Ion: 75 Resp: 10356

Ion Ratio Lower Upper

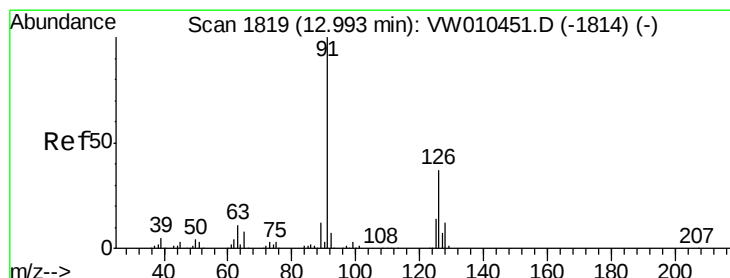
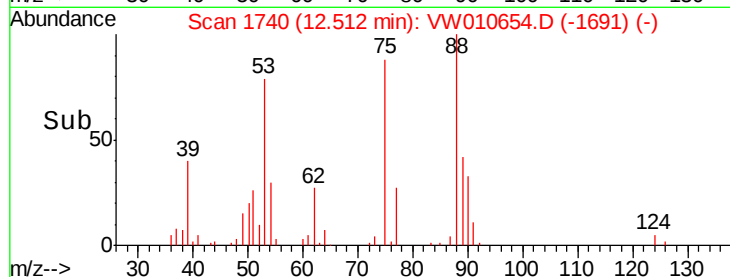
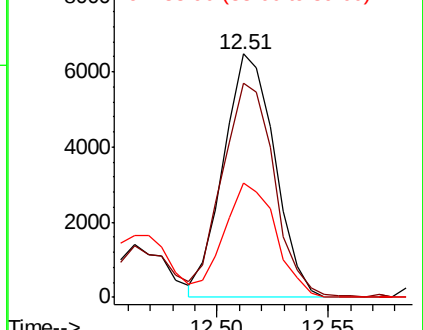
75 100

53 89.7 69.8 104.8

89 47.8 39.5 59.3



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



#82

4-Chlorotoluene

Concen: 20.402 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010654.D

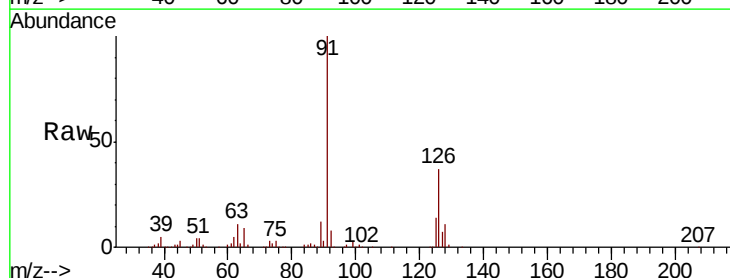
Acq: 03 Jun 2019 12:48

Tgt Ion: 91 Resp: 151950

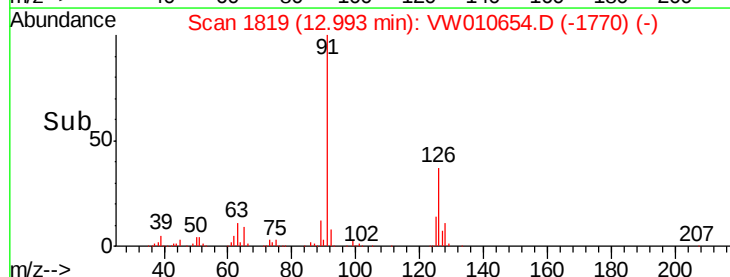
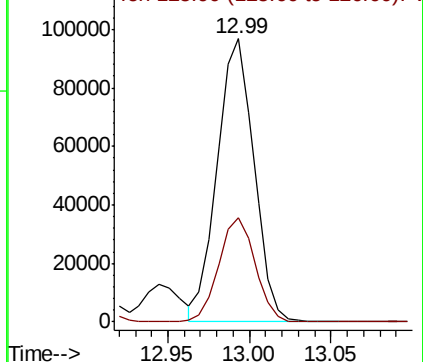
Ion Ratio Lower Upper

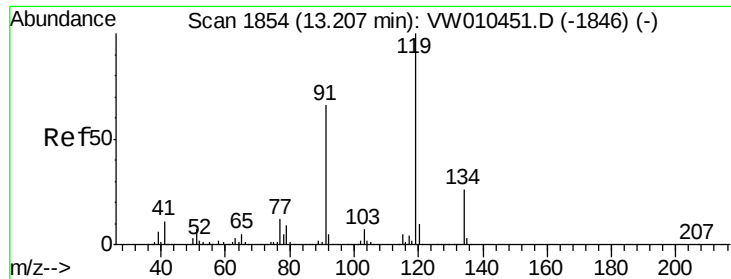
91 100

126 36.6 17.5 52.6



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

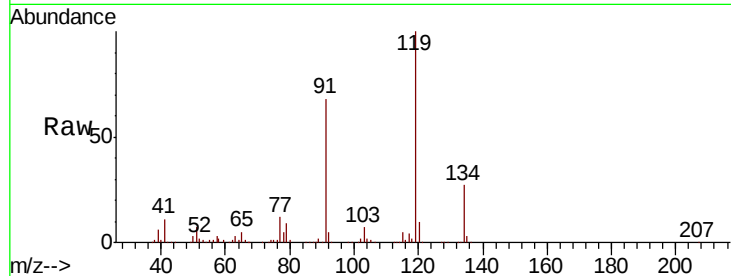




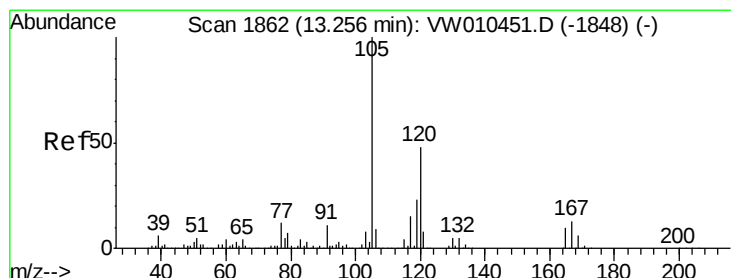
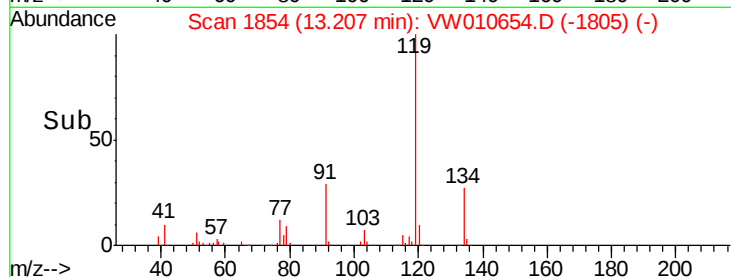
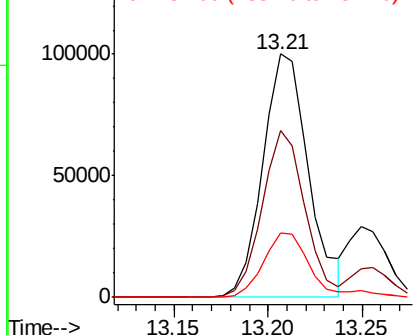
#83
tert-Butylbenzene
Concen: 21.548 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 169256
Ion Ratio Lower Upper
119 100
91 63.7 33.1 99.5
134 27.5 13.9 41.6

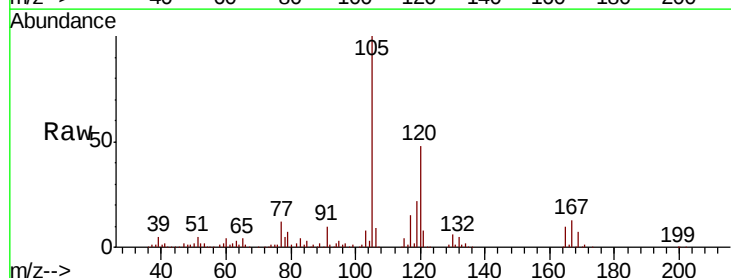


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

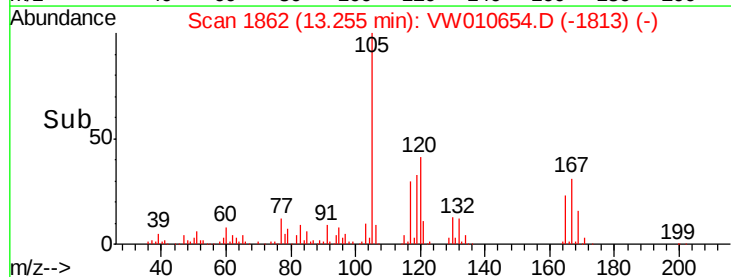
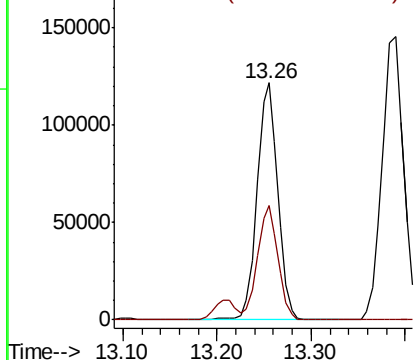


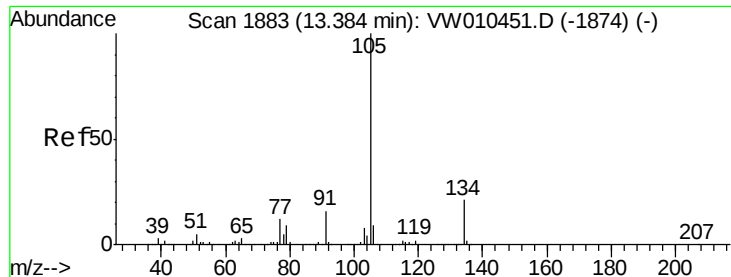
#84
1,2,4-Trimethylbenzene
Concen: 21.093 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion:105 Resp: 188906
Ion Ratio Lower Upper
105 100
120 47.5 23.4 70.2



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





#85

sec-Butylbenzene

Concen: 21.006 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

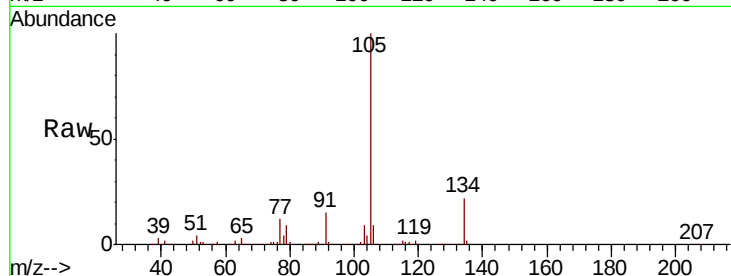
ClientSampleId :

Tot Ion:105 Resp: 230902

Ion Ratio Lower Upper

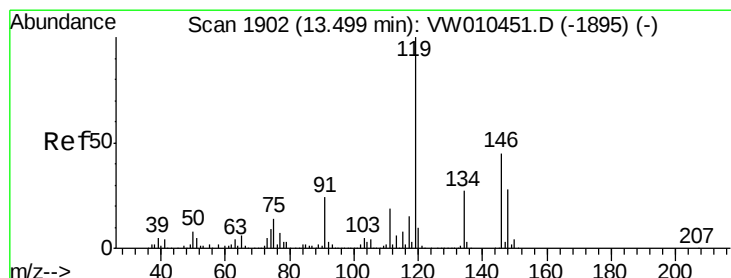
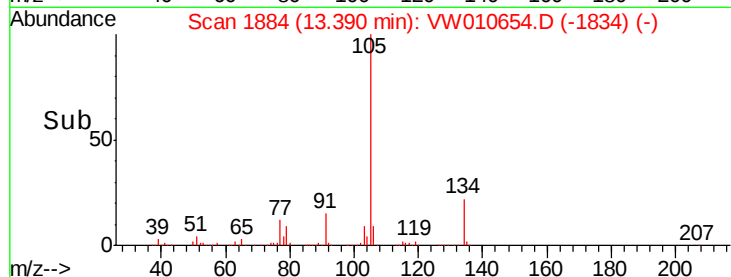
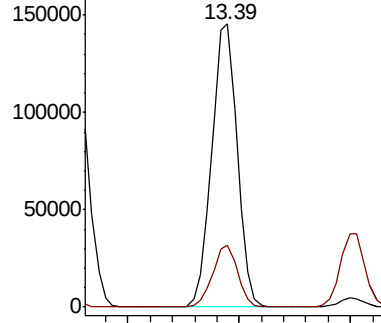
105 100

134 21.3 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.451 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

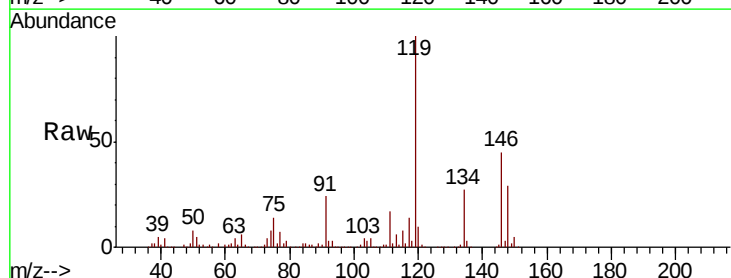
Tgt Ion:119 Resp: 213428

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

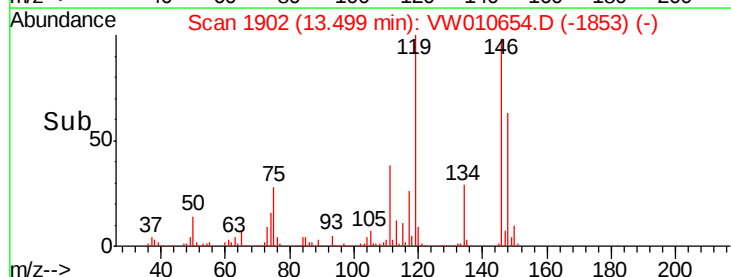
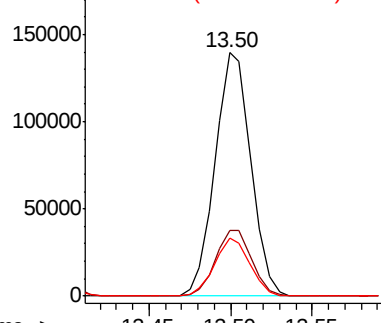
91 23.5 11.9 35.7

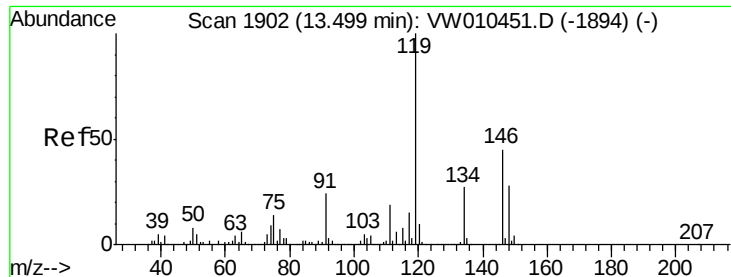


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

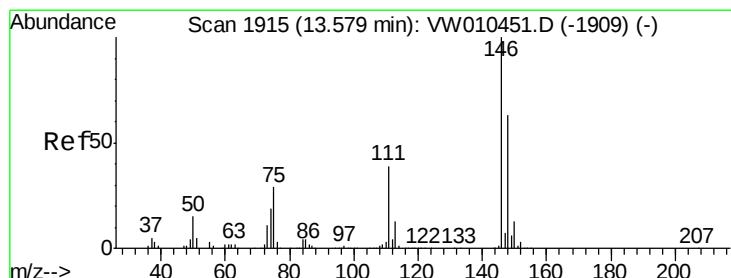
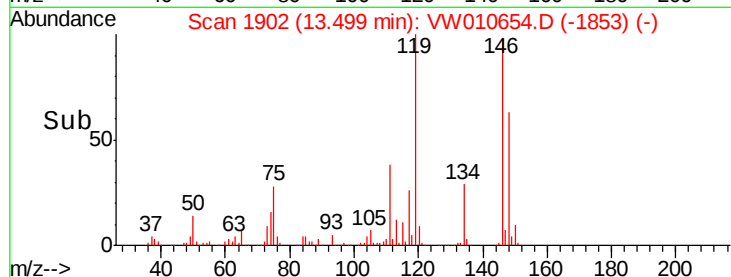
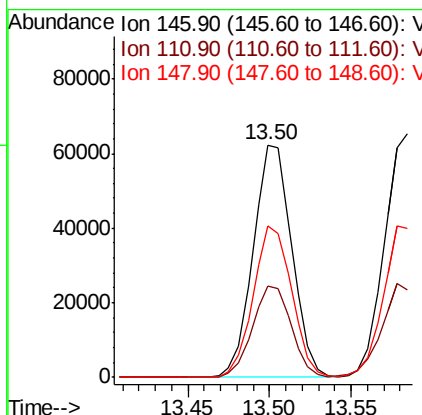
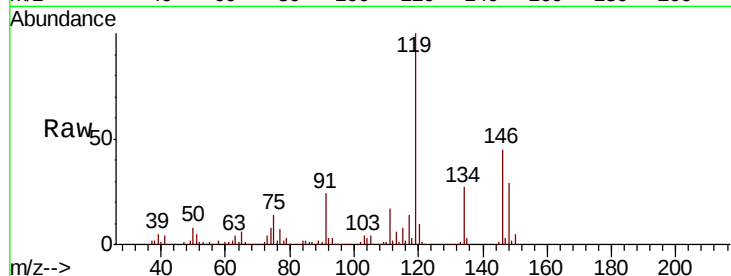




#87
 1,3-Dichlorobenzene
 Concen: 22.046 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

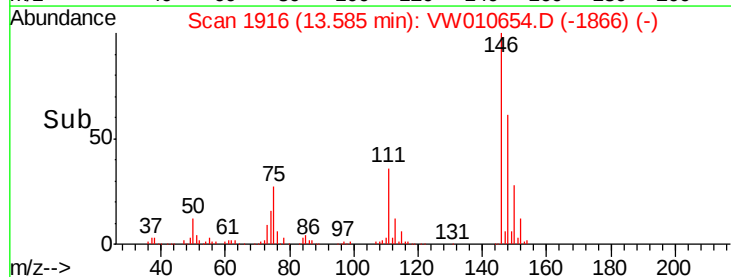
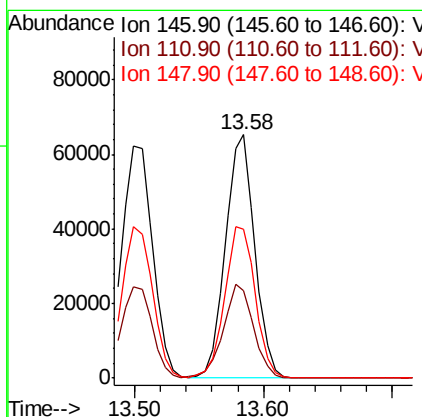
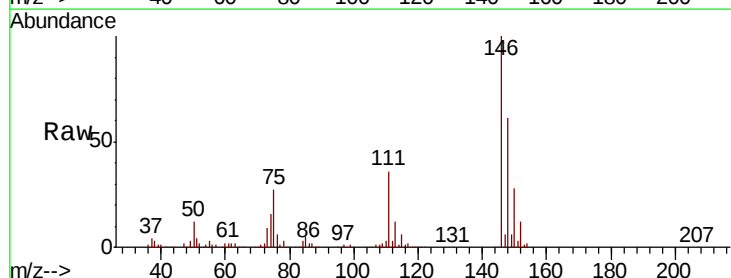
Instrument :
 MSVOA_W
 ClientSampled :

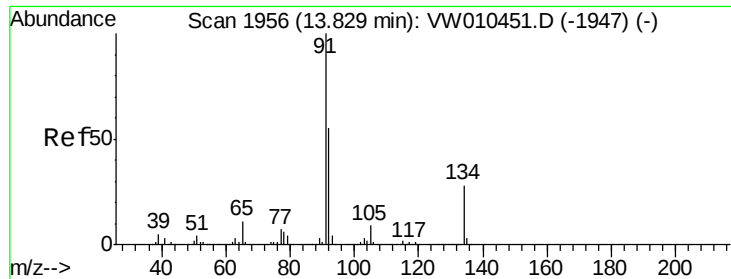
Tot Ion:146 Resp: 102767
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.3 60.9
 148 64.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 22.227 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion:146 Resp: 103954
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.9 59.6
 148 64.7 31.6 94.8





#89

n-Butylbenzene

Concen: 20.238 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

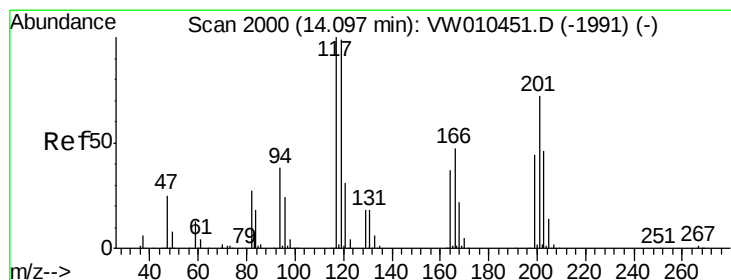
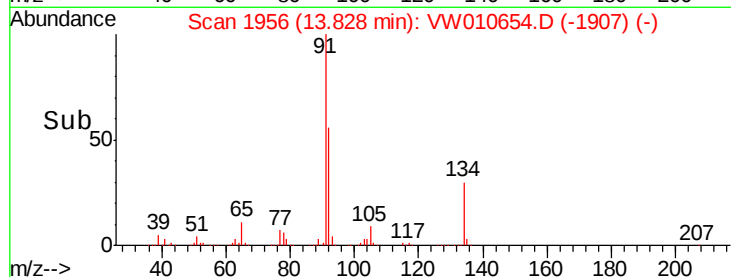
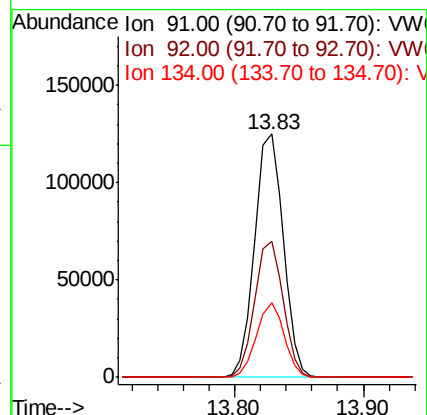
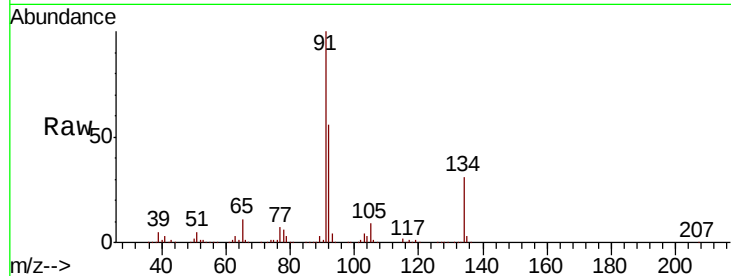
Tot Ion: 91 Resp: 191521

Ion Ratio Lower Upper

91 100

92 55.5 27.7 83.1

134 29.7 13.9 41.6



#90

Hexachloroethane

Concen: 20.055 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010654.D

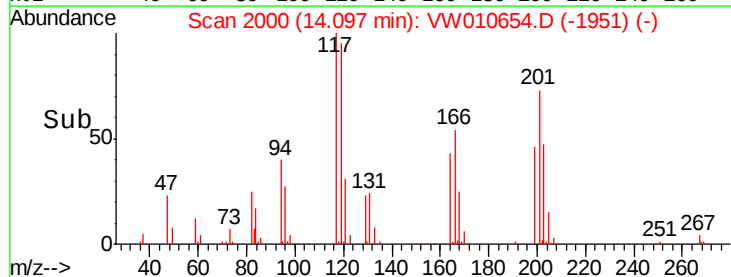
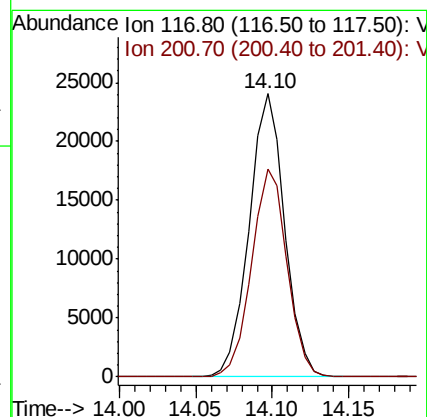
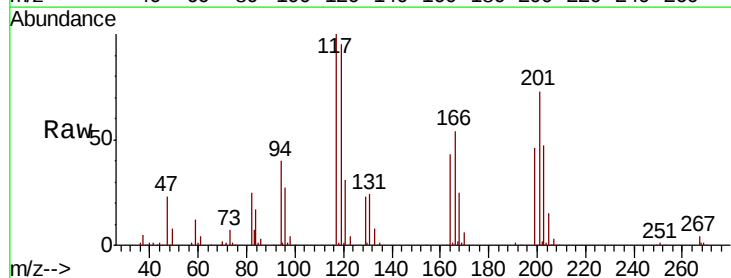
Acq: 03 Jun 2019 12:48

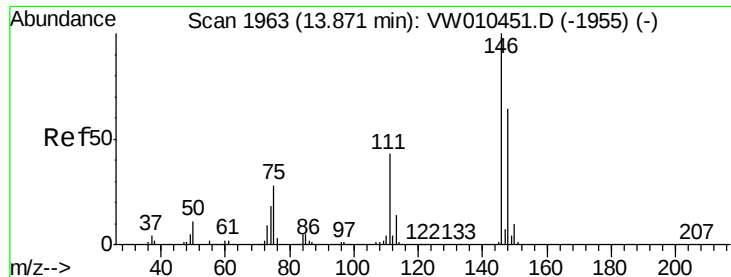
Tgt Ion: 117 Resp: 38622

Ion Ratio Lower Upper

117 100

201 73.6 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 21.679 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

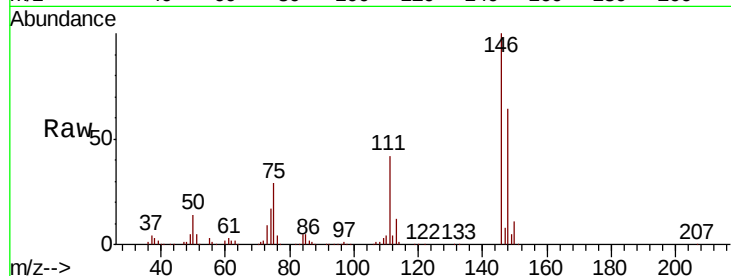
Tot Ion:146 Resp: 92076

Ion Ratio Lower Upper

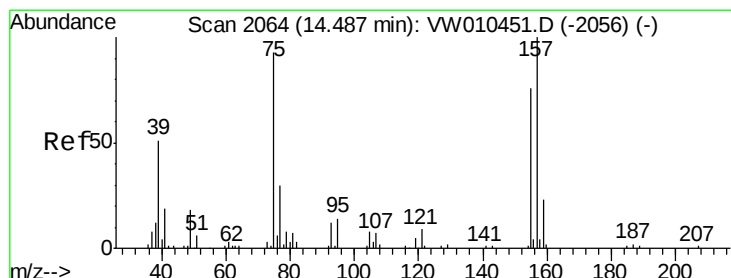
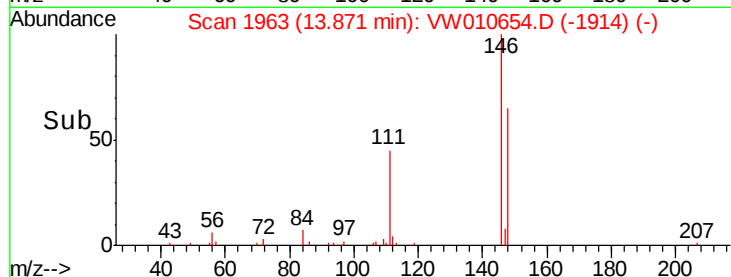
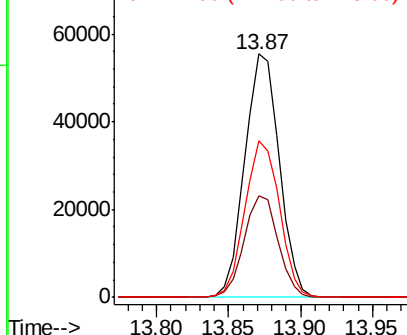
146 100

111 41.1 21.3 64.0

148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.910 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010654.D

Acq: 03 Jun 2019 12:48

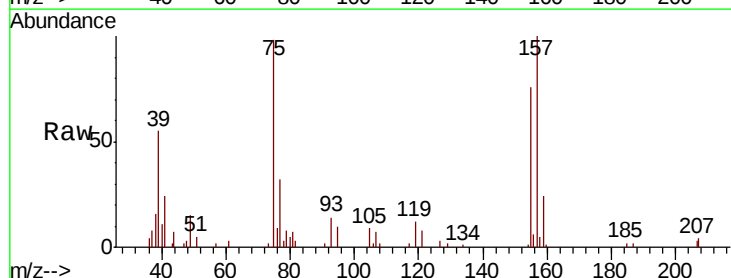
Tgt Ion: 75 Resp: 6072

Ion Ratio Lower Upper

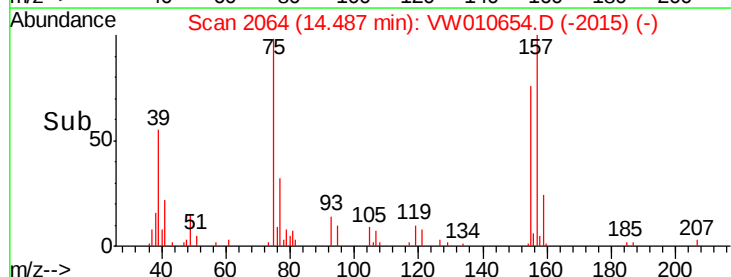
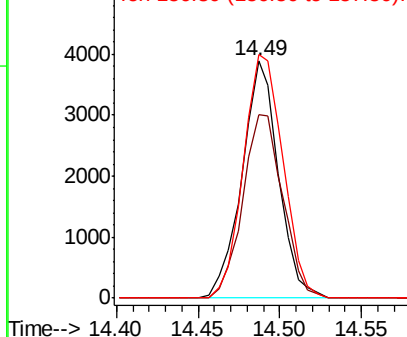
75 100

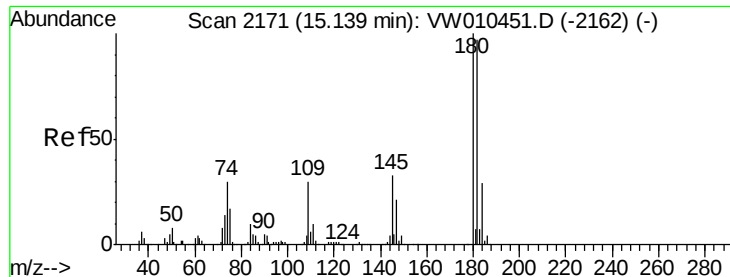
155 84.4 43.0 129.0

157 111.0 55.7 167.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

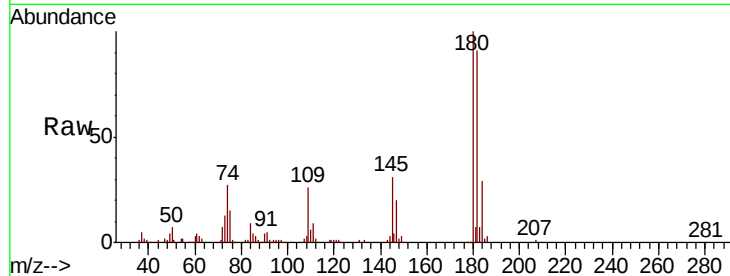




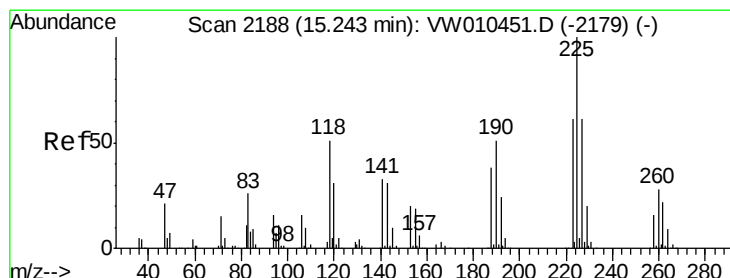
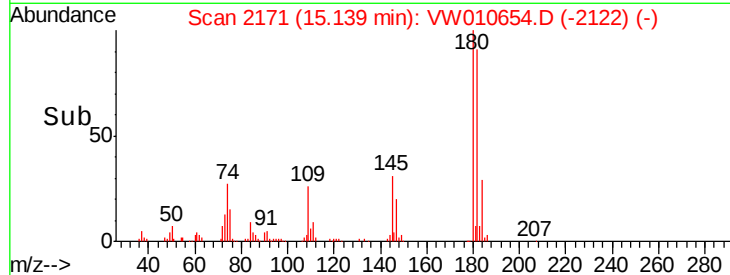
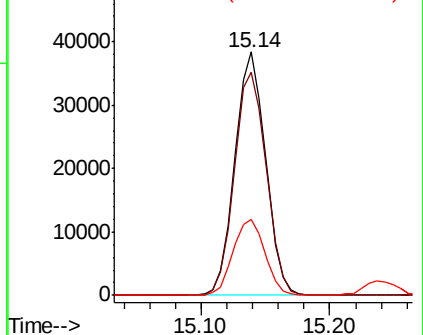
#93
 1,2,4-Trichlorobenzene
 Concen: 21.968 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 63483
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.0 141.2
 145 32.5 16.7 50.0

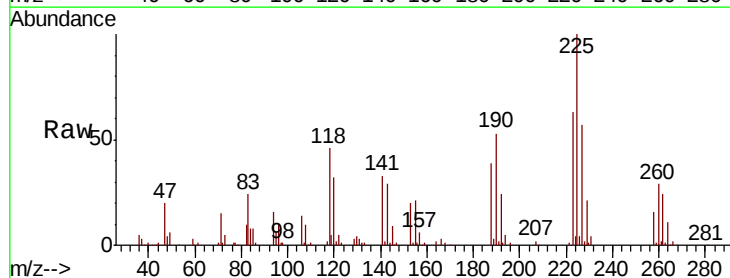


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

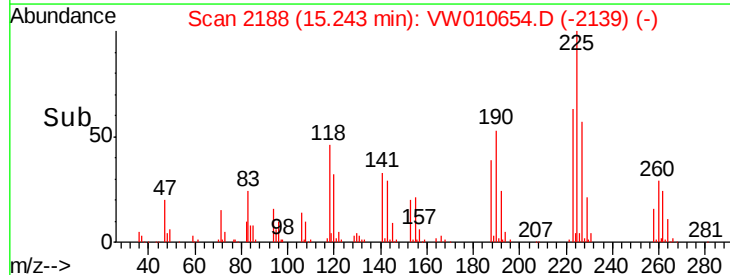
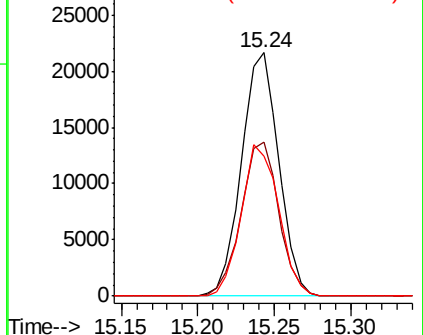


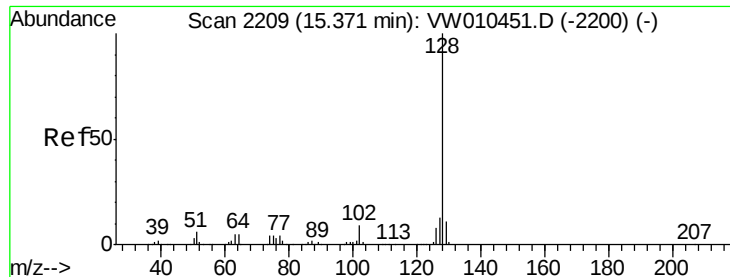
#94
 Hexachlorobutadiene
 Concen: 23.727 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010654.D
 Acq: 03 Jun 2019 12:48

Tgt Ion:225 Resp: 36630
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.2
 227 62.4 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

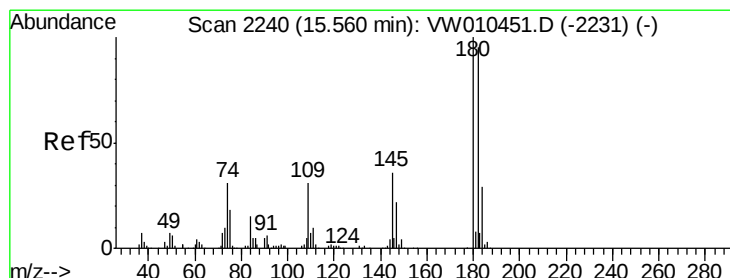
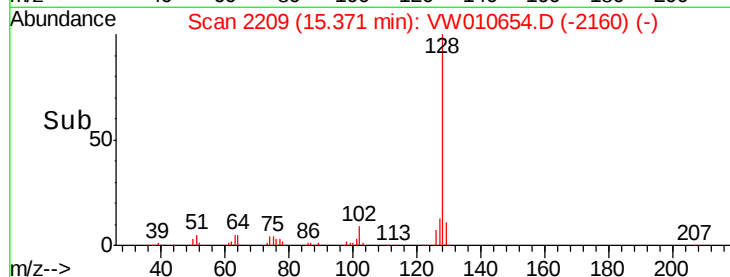
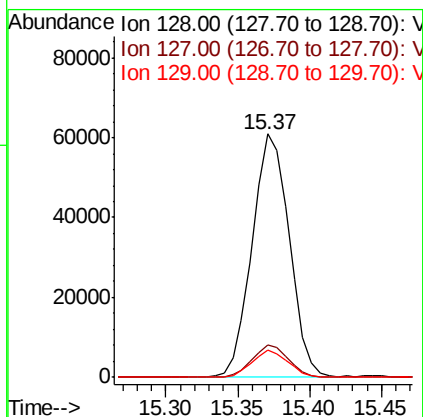
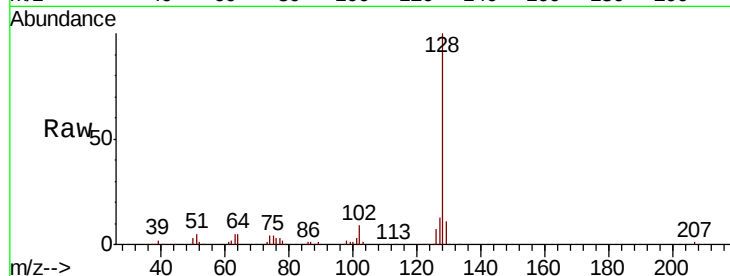




#95
Naphthalene
Concen: 17.937 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.268 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010654.D
Acq: 03 Jun 2019 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.1	141.3
145	35.8	17.4	52.3

