

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013009.D
 Acq On : 14 Sep 2019 22:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:55:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123828	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	103347	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.32	98	419281	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.62	95	147585	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	50944	53.467	ug/l	82
3) Chloromethane	2.21	50	69853	58.833	ug/l	95
4) Vinyl Chloride	2.36	62	92949	51.863	ug/l	100
5) Bromomethane	2.77	94	57241	52.300	ug/l	92
6) Chloroethane	2.92	64	60242	54.806	ug/l	98
7) Trichlorofluoromethane	3.25	101	58258	46.485	ug/l	98
8) Diethyl Ether	3.68	74	54524	55.717	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100643	52.947	ug/l	97
10) Methyl Iodide	4.27	142	131956	55.471	ug/l	99
11) Tert butyl alcohol	5.18	59	47255	307.656	ug/l	99
12) 1,1-Dichloroethene	4.04	96	92674	53.621	ug/l	96
13) Acrolein	3.89	56	54642	322.558	ug/l	98
14) Allyl chloride	4.67	41	180328	54.960	ug/l	98
15) Acrylonitrile	5.36	53	151391	302.896	ug/l	100
16) Acetone	4.12	43	136020	272.859	ug/l	99
17) Carbon Disulfide	4.38	76	175748	51.027	ug/l	100
18) Methyl Acetate	4.67	43	88697	67.323	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	202772	59.436	ug/l	96
20) Methylene Chloride	4.91	84	110724	60.339	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	98818	53.384	ug/l	97
22) Diisopropyl ether	6.31	45	389680	57.169	ug/l	99
23) Vinyl Acetate	6.25	43	1145592	280.609	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212852	54.160	ug/l	99
25) 2-Butanone	7.16	43	209128	284.403	ug/l	99
26) 2,2-Dichloropropane	7.16	77	127069	51.037	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	122442	55.250	ug/l	97
28) Bromochloromethane	7.51	49	94747	57.279	ug/l #	99
29) Tetrahydrofuran	7.53	42	131512	313.892	ug/l	99
30) Chloroform	7.67	83	215620	53.997	ug/l	96
31) Cyclohexane	7.95	56	161730	55.269	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177375	53.938	ug/l	97
36) 1,1-Dichloropropene	8.08	75	153339	51.457	ug/l	99
37) Ethyl Acetate	7.25	43	90740	57.368	ug/l	99
38) Carbon Tetrachloride	8.07	117	156818	51.352	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013009.D
 Acq On : 14 Sep 2019 22:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:55:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	166546	51.004	ug/l	99
40) Benzene	8.32	78	438273	52.683	ug/l	99
41) Methacrylonitrile	7.48	41	58455	56.119	ug/l	98
42) 1,2-Dichloroethane	8.40	62	147140	52.763	ug/l	98
43) Isopropyl Acetate	8.42	43	174595	57.490	ug/l	100
44) Trichloroethene	9.09	130	119003	52.225	ug/l	92
45) 1,2-Dichloropropane	9.37	63	119197	53.930	ug/l	98
46) Dibromomethane	9.46	93	59583	56.268	ug/l	97
47) Bromodichloromethane	9.64	83	159969	53.857	ug/l	98
48) Methyl methacrylate	9.43	41	83925	58.883	ug/l	98
49) 1,4-Dioxane	9.46	88	20450	1152.532	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	471797	300.908	ug/l	99
52) Toluene	10.38	92	283526	53.635	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	161905	54.199	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	182903	53.512	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	91010	56.417	ug/l	99
56) Ethyl methacrylate	10.65	69	129958	59.851	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161071	56.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	322652	277.008	ug/l	100
59) 2-Hexanone	10.97	43	323514	296.325	ug/l	100
60) Dibromochloromethane	11.13	129	107093	54.911	ug/l	97
61) 1,2-Dibromoethane	11.23	107	83682	56.866	ug/l	100
64) Tetrachloroethene	10.86	164	109868	57.096	ug/l	99
65) Chlorobenzene	11.66	112	306597	53.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	117187	53.076	ug/l	99
67) Ethyl Benzene	11.73	91	569362	53.507	ug/l	99
68) m/p-Xylenes	11.84	106	421937	108.544	ug/l	99
69) o-Xylene	12.16	106	198378	54.434	ug/l	98
70) Styrene	12.18	104	352921	54.439	ug/l	100
71) Bromoform	12.35	173	66803	57.601	ug/l #	99
73) Isopropylbenzene	12.46	105	572826	53.236	ug/l	100
74) N-amyl acetate	12.27	43	159990	57.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	109479	57.929	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	140551	98.844	ug/l #	100
77) Bromobenzene	12.74	156	135177	54.531	ug/l	99
78) n-propylbenzene	12.80	91	681560	53.847	ug/l	100
79) 2-Chlorotoluene	12.89	91	389182	53.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	487122	53.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34311	54.737	ug/l	99
82) 4-Chlorotoluene	12.99	91	405867	52.867	ug/l	99
83) tert-Butylbenzene	13.21	119	435637	53.502	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	482686	53.659	ug/l	99
85) sec-Butylbenzene	13.38	105	592175	53.380	ug/l	99
86) p-Isopropyltoluene	13.50	119	547678	53.772	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	261049	53.197	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255562	52.996	ug/l	99
89) n-Butylbenzene	13.82	91	511766	53.279	ug/l	99
90) Hexachloroethane	14.09	117	97625	53.486	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	233545	54.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20278	58.618	ug/l	97

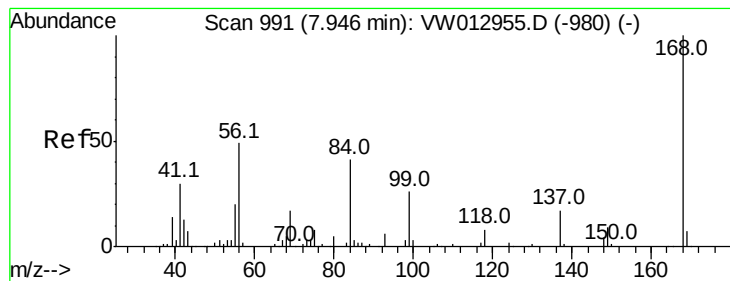
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013009.D
Acq On : 14 Sep 2019 22:49
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:55:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	170806	55.500	ug/l	100
94) Hexachlorobutadiene	15.24	225	113360	52.031	ug/l	99
95) Naphthalene	15.36	128	322003	62.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	154680	56.857	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

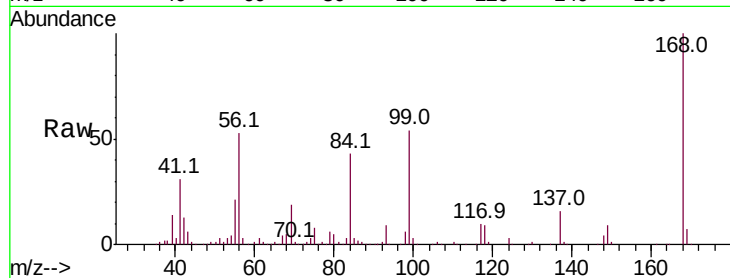
ClientSampleId :

Tot Ion:168 Resp: 250387

Ion Ratio Lower Upper

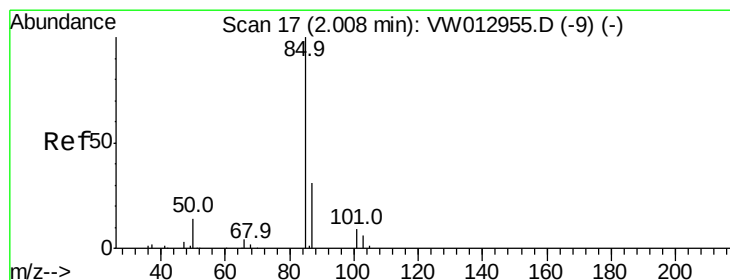
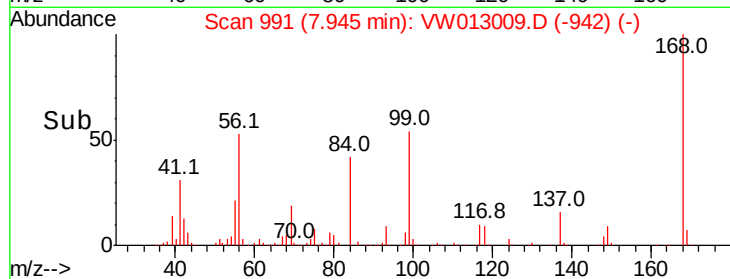
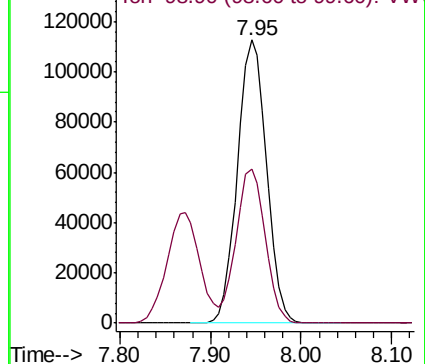
168 100

99 54.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 53.467 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013009.D

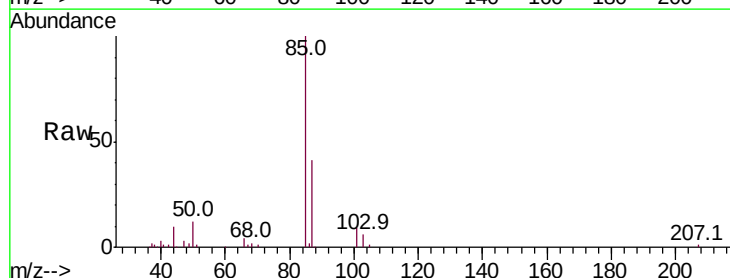
Acq: 14 Sep 2019 22:49

Tgt Ion: 85 Resp: 50944

Ion Ratio Lower Upper

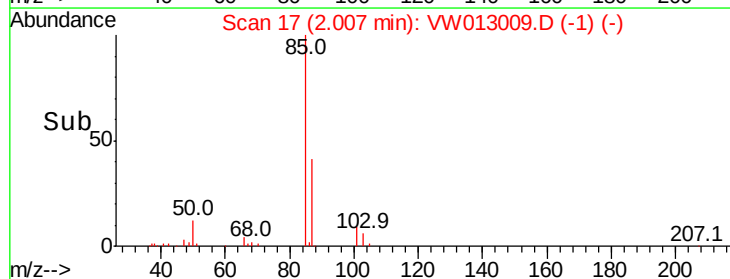
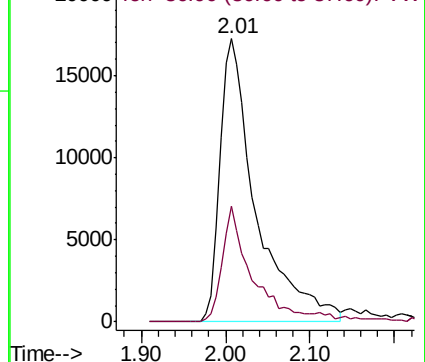
85 100

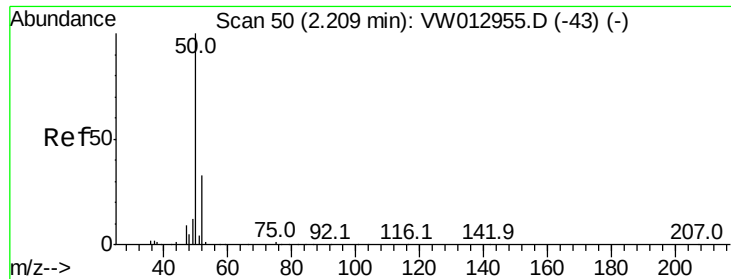
87 40.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 58.833 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

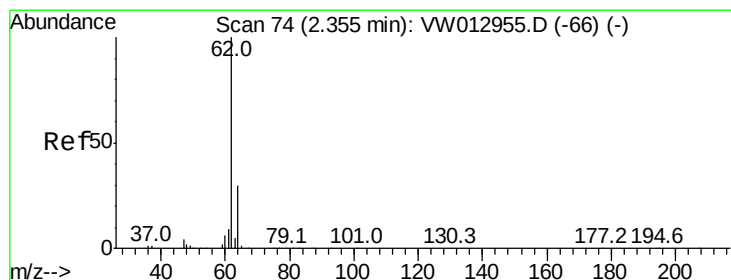
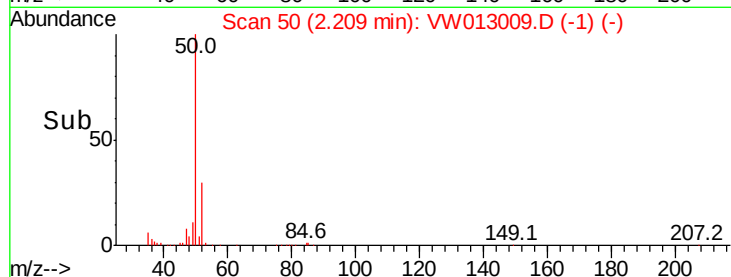
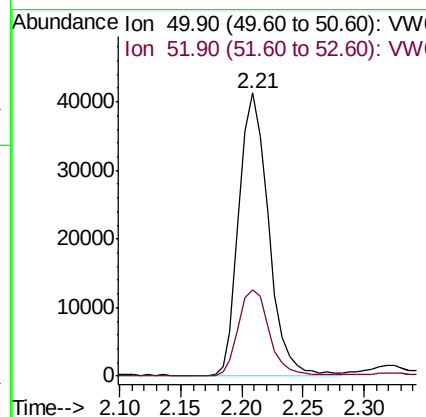
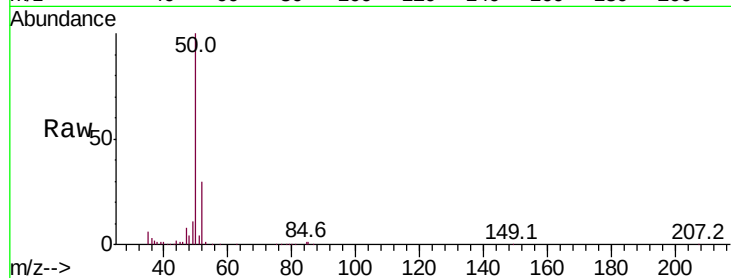
ClientSampleId :

Tot Ion: 50 Resp: 69853

Ion Ratio Lower Upper

50 100

52 30.5 26.6 39.8



#4

Vinyl Chloride

Concen: 51.863 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013009.D

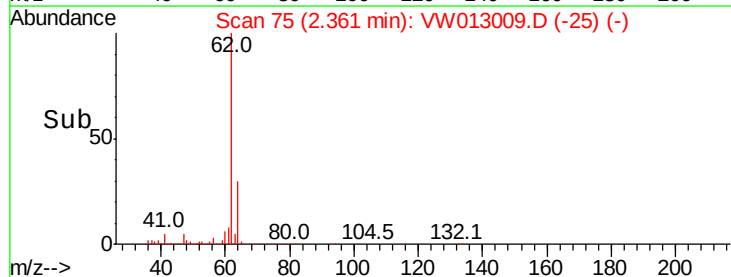
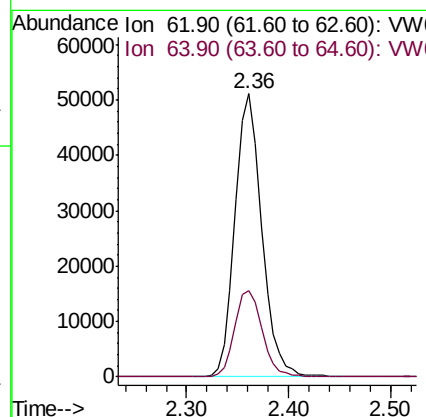
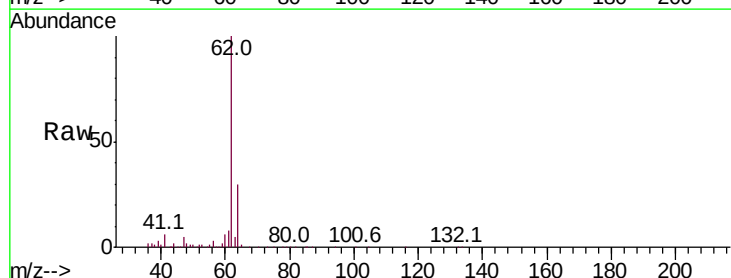
Acq: 14 Sep 2019 22:49

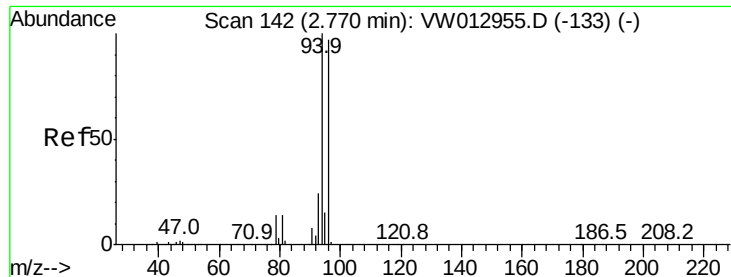
Tgt Ion: 62 Resp: 92949

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 52.300 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

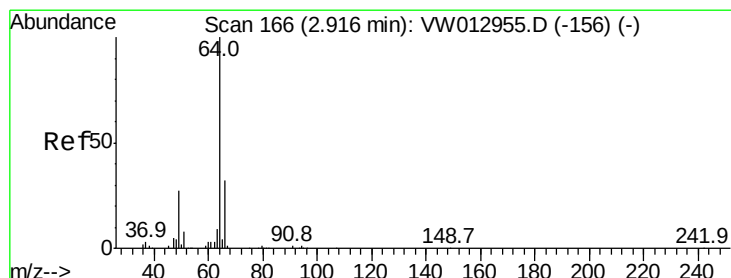
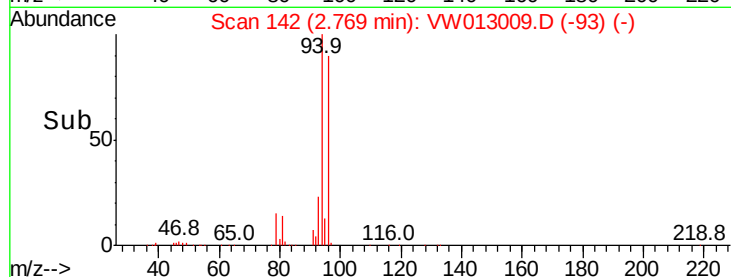
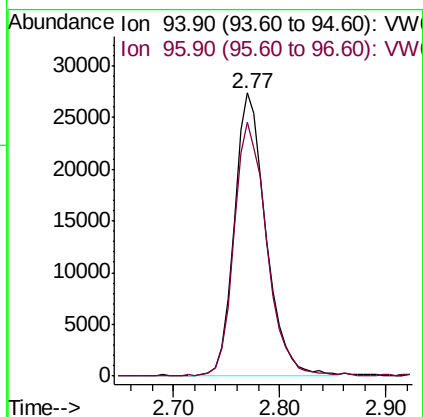
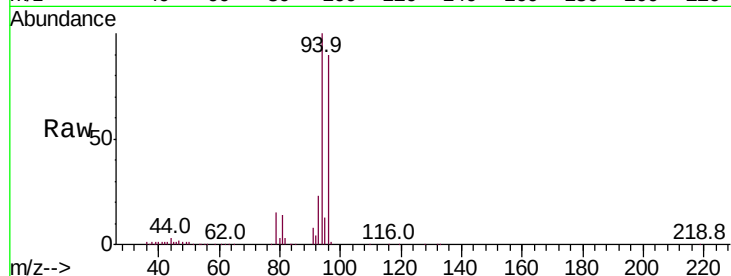
ClientSampled :

Tot Ion: 94 Resp: 57241

Ion Ratio Lower Upper

94 100

96 89.1 77.8 116.6



#6

Chloroethane

Concen: 54.806 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013009.D

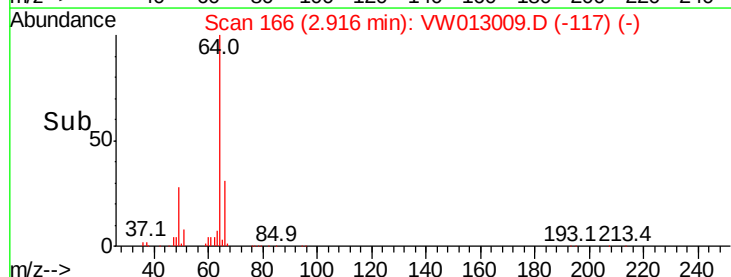
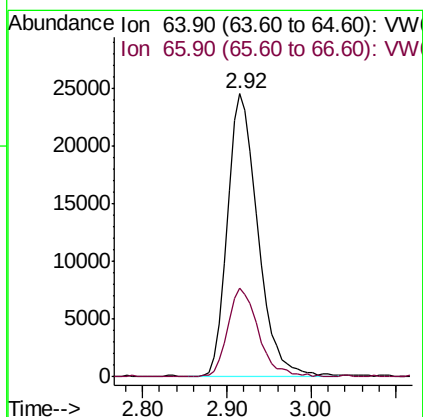
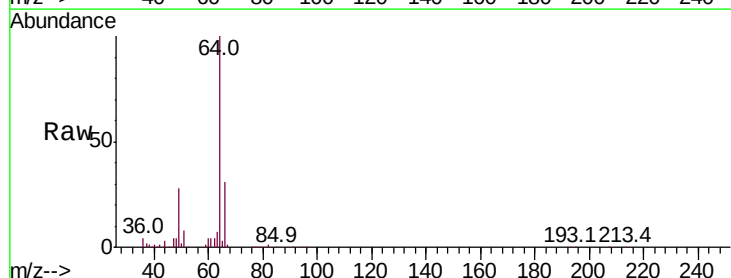
Acq: 14 Sep 2019 22:49

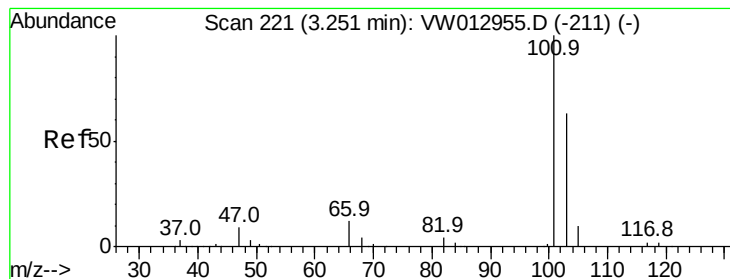
Tgt Ion: 64 Resp: 60242

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9



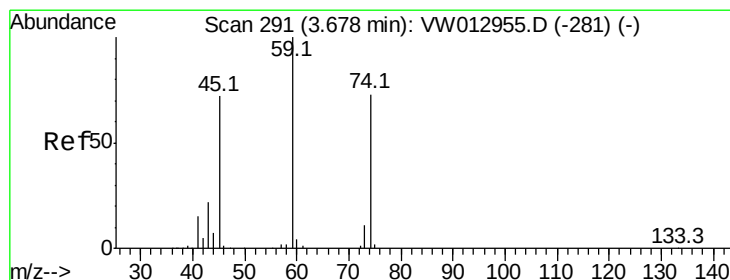
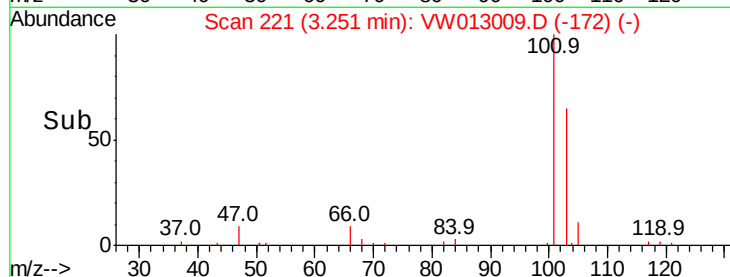
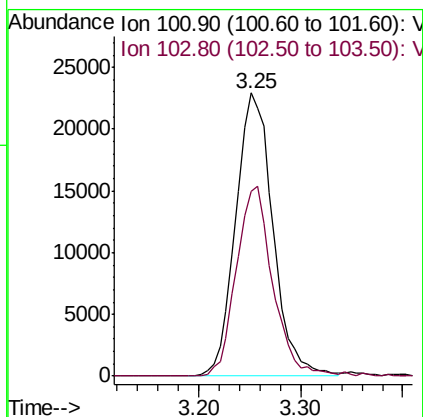
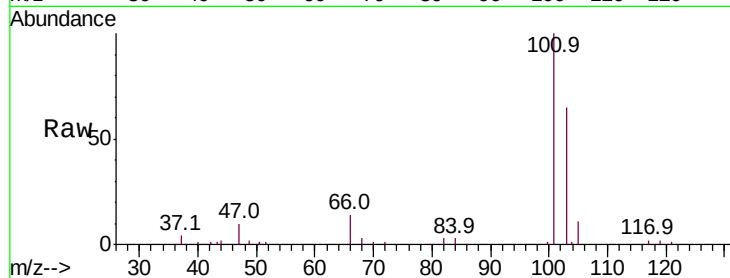


#7

Trichlorofluoromethane
 Concen: 46.485 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampled :

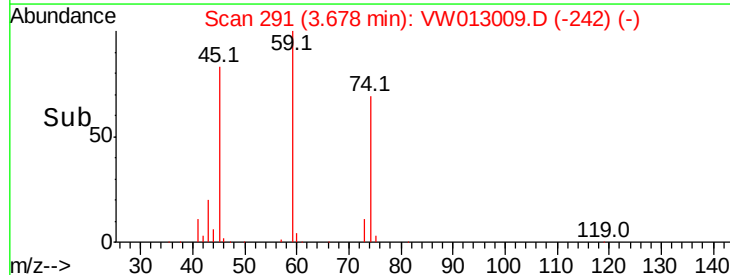
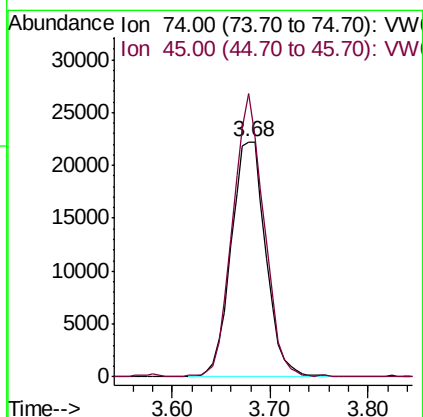
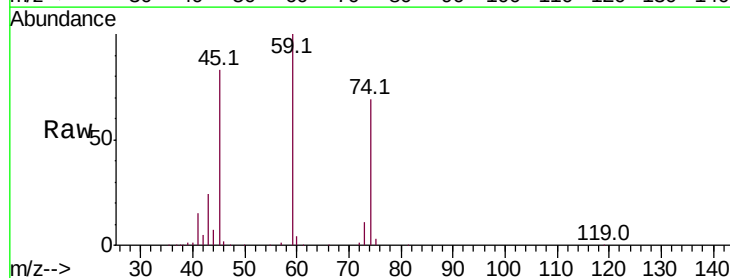
Tot Ion:101 Resp: 58258
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.7 76.1

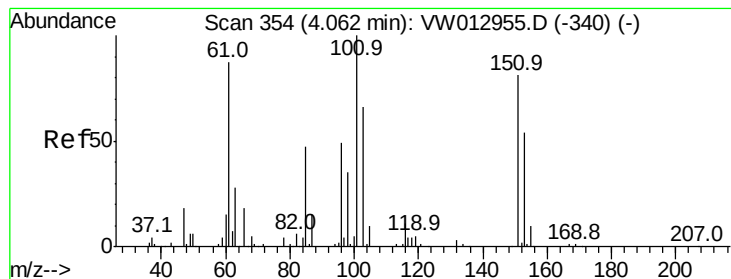


#8

Diethyl Ether
 Concen: 55.717 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 74 Resp: 54524
 Ion Ratio Lower Upper
 74 100
 45 108.2 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.947 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

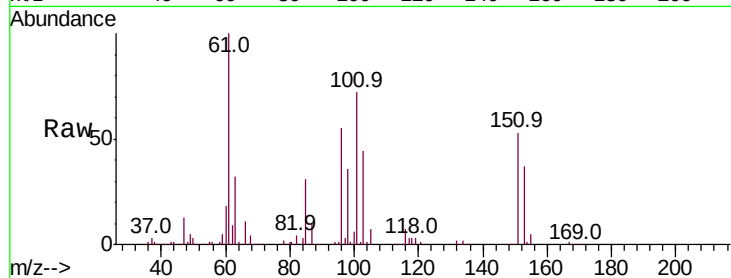
Tot Ion:101 Resp: 100643

Ion Ratio Lower Upper

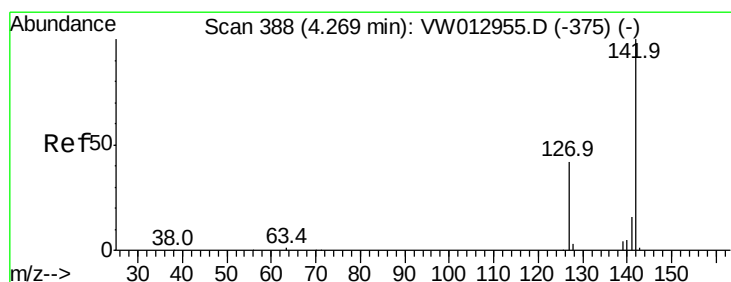
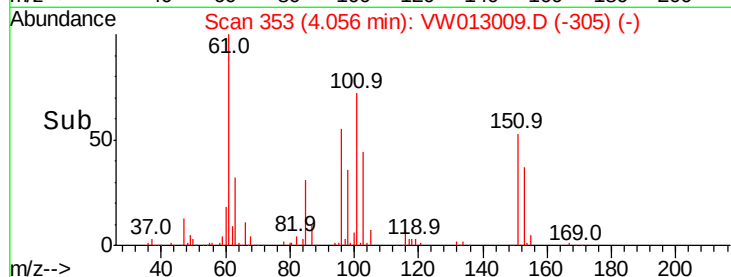
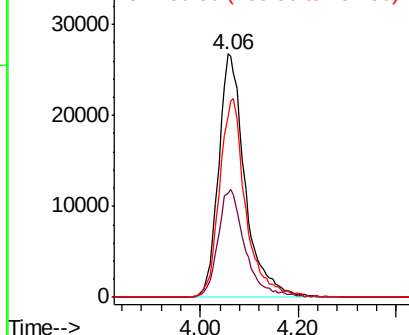
101 100

85 45.1 34.9 52.3

151 79.9 66.0 99.0



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: 55.471 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

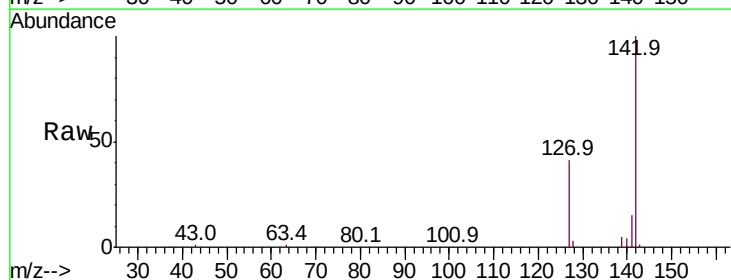
Tgt Ion:142 Resp: 131956

Ion Ratio Lower Upper

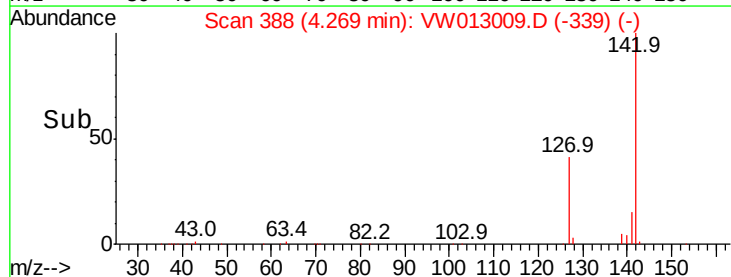
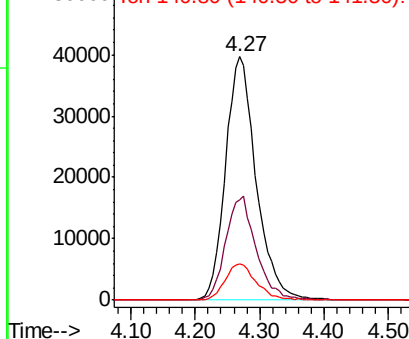
142 100

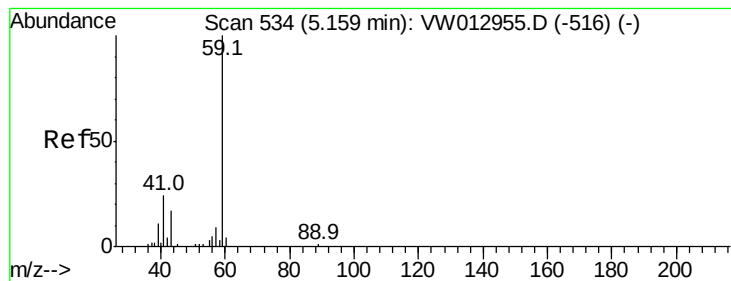
127 42.3 34.7 52.1

141 15.2 12.2 18.2



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



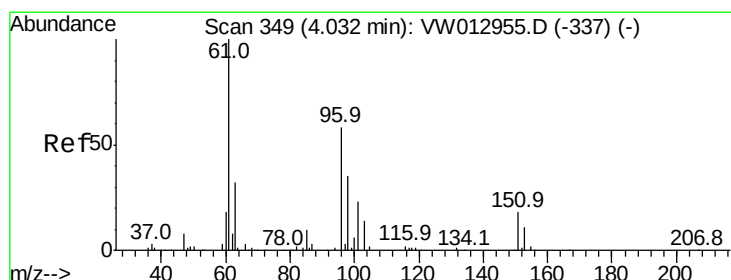
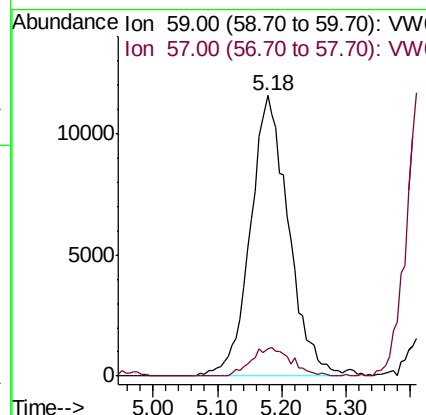
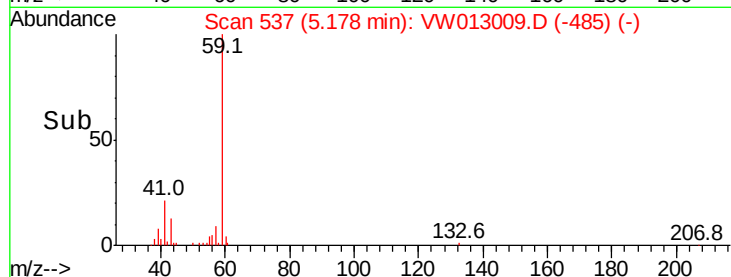
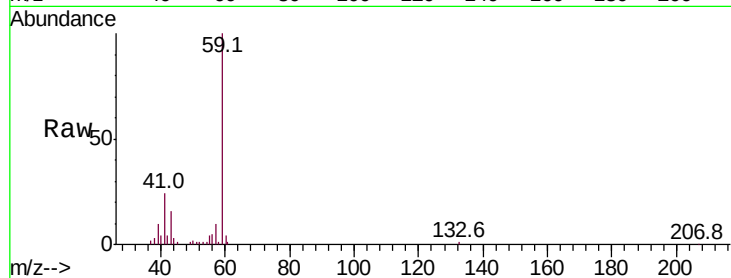


#11

Tert butyl alcohol
Concen: 307.656 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampled :

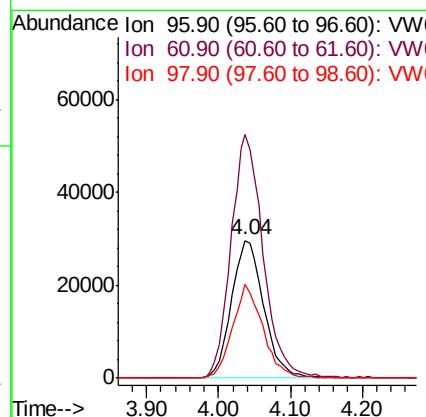
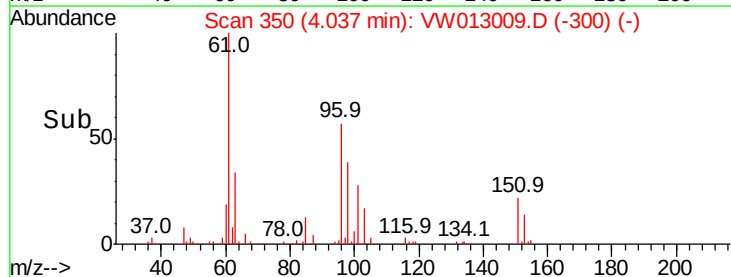
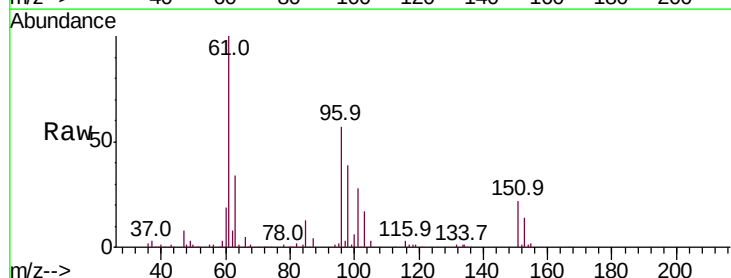
Tot Ion: 59 Resp: 47255
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

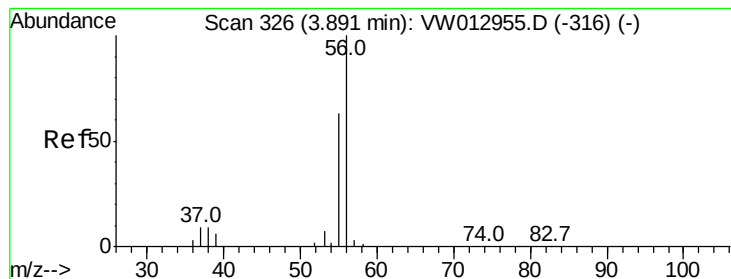


#12

1,1-Dichloroethene
Concen: 53.621 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 96 Resp: 92674
Ion Ratio Lower Upper
96 100
61 176.4 137.9 206.9
98 68.0 48.9 73.3





#13

Acrolein

Concen: 322.558 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

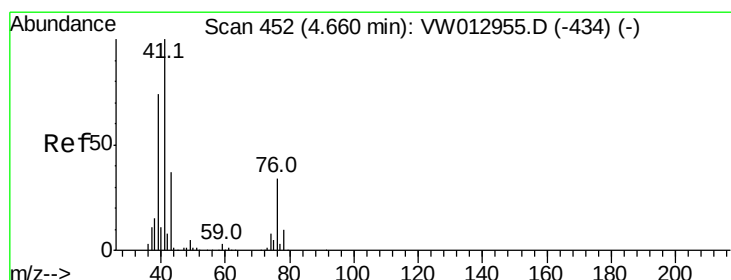
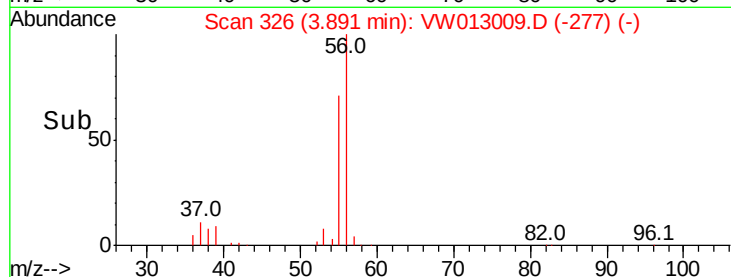
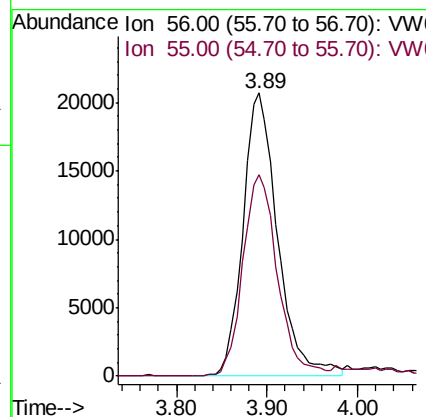
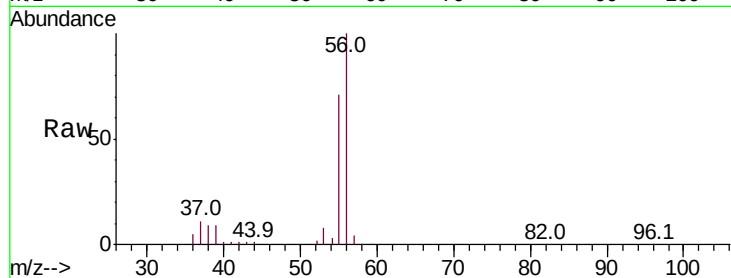
ClientSampled :

Tot Ion: 56 Resp: 54642

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Allyl chloride

Concen: 54.960 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

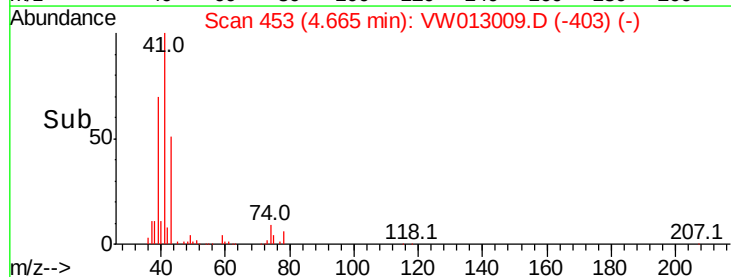
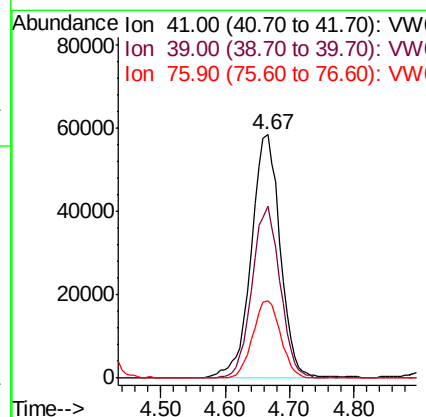
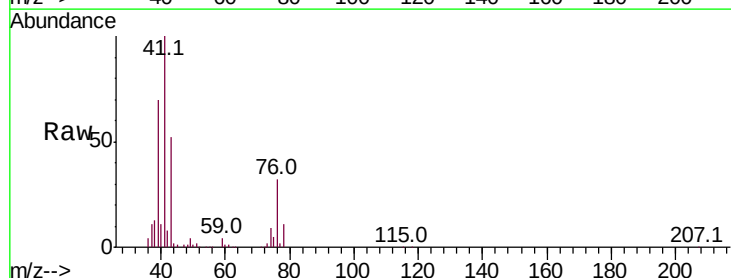
Tgt Ion: 41 Resp: 180328

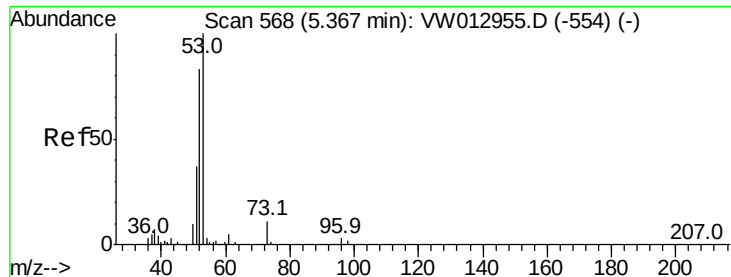
Ion Ratio Lower Upper

41 100

39 68.5 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 302.896 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

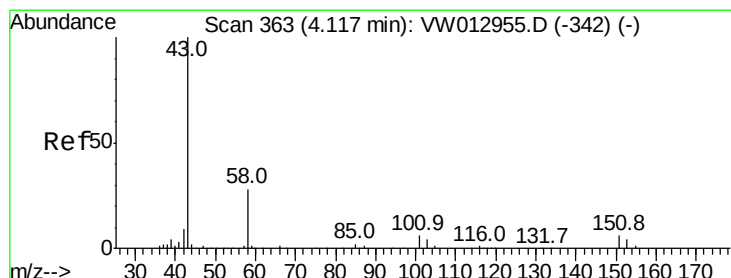
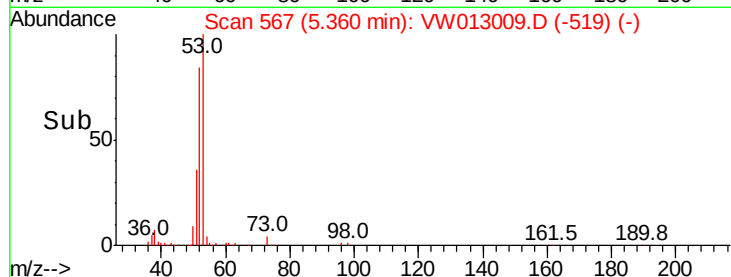
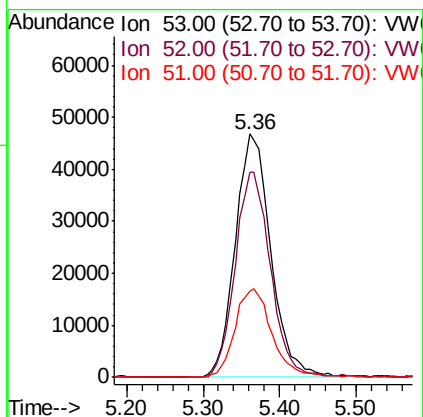
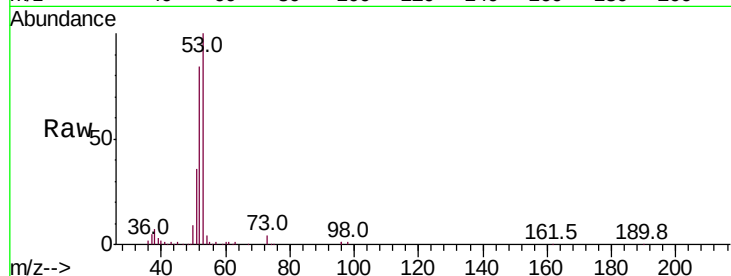
Tot Ion: 53 Resp: 151391

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 37.8 29.8 44.8



#16

Acetone

Concen: 272.859 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013009.D

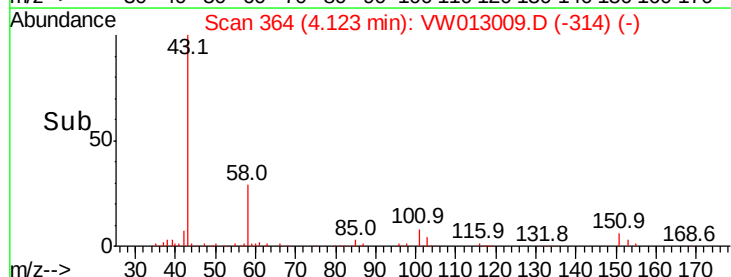
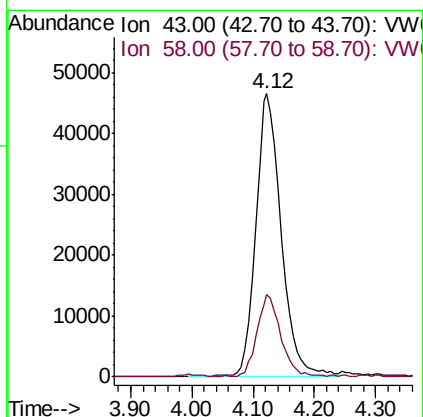
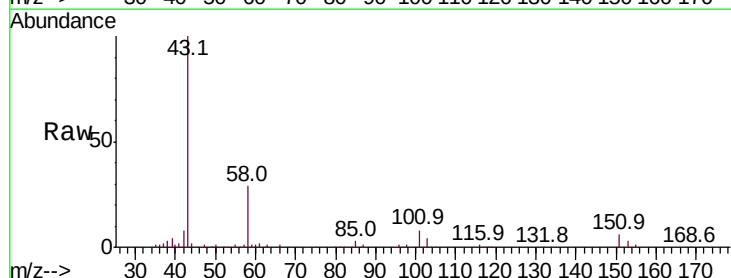
Acq: 14 Sep 2019 22:49

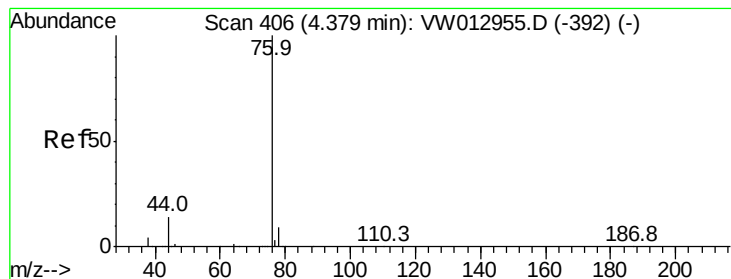
Tgt Ion: 43 Resp: 136020

Ion Ratio Lower Upper

43 100

58 28.5 22.3 33.5





#17

Carbon Disulfide

Concen: 51.027 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

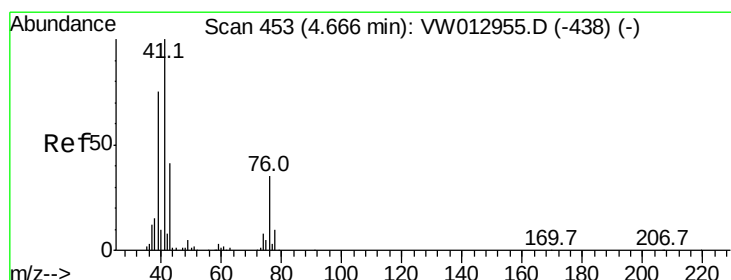
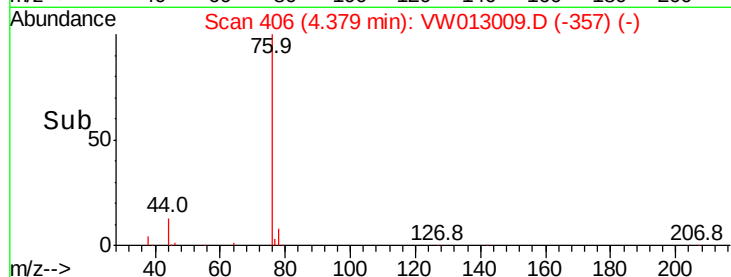
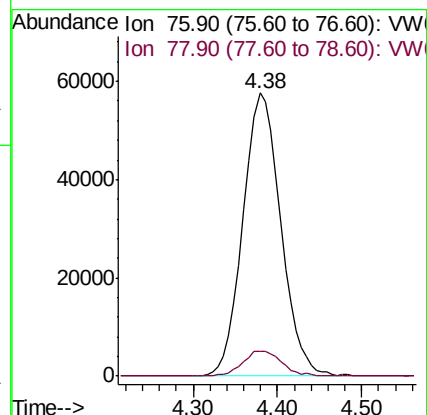
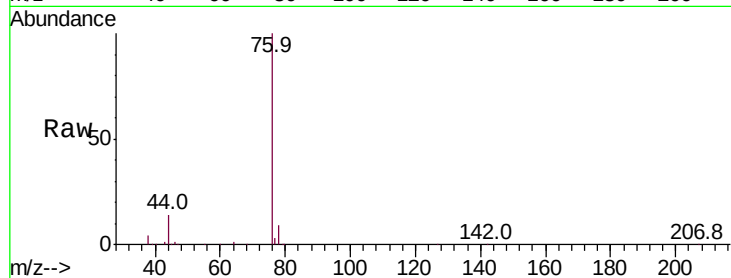
ClientSampleId :

Tot Ion: 76 Resp: 175748

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 67.323 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013009.D

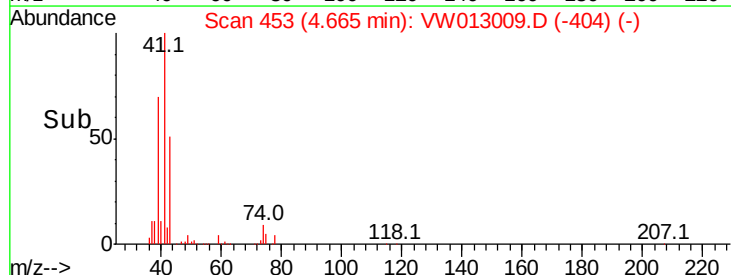
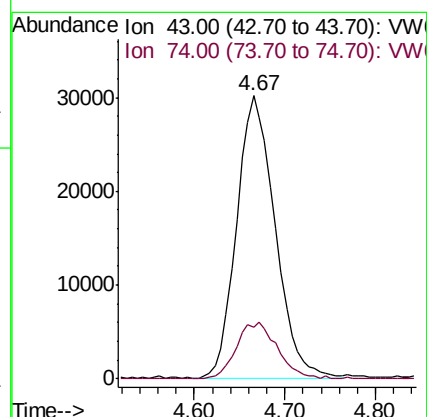
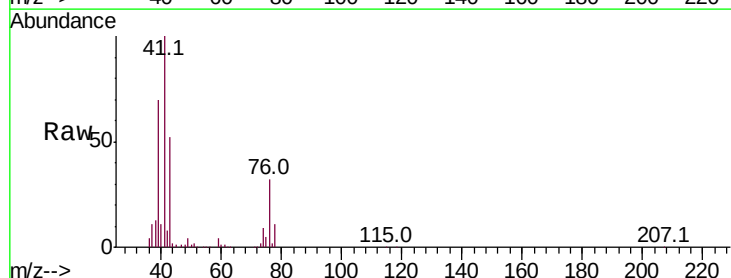
Acq: 14 Sep 2019 22:49

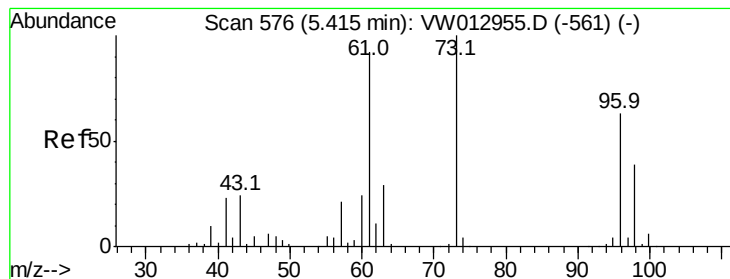
Tgt Ion: 43 Resp: 88697

Ion Ratio Lower Upper

43 100

74 21.4 17.8 26.8



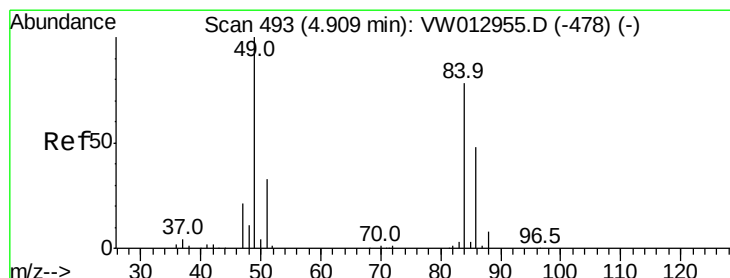
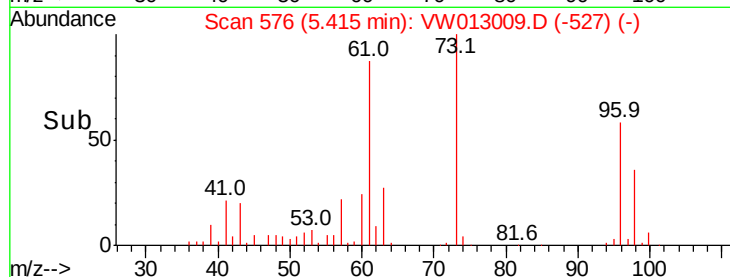
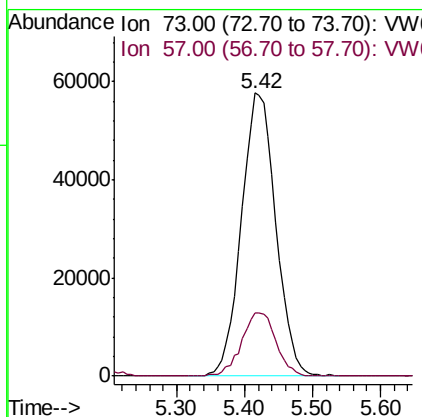
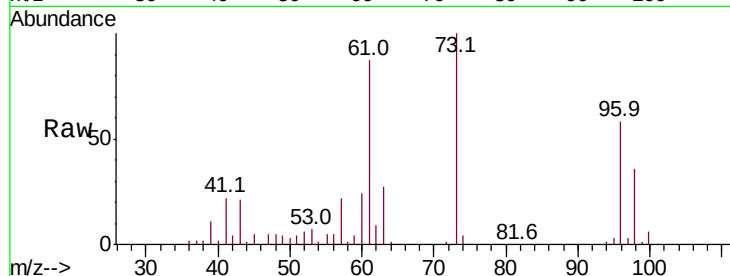


#19

Methyl tert-butyl Ether
 Concen: 59.436 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampled :

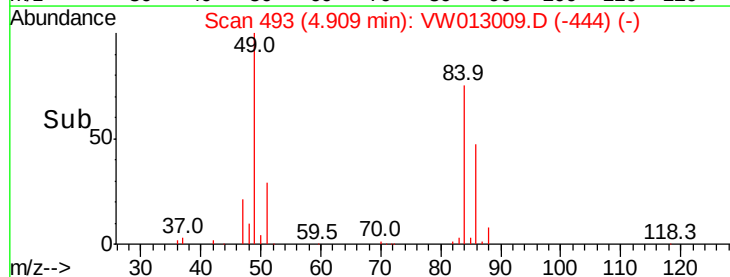
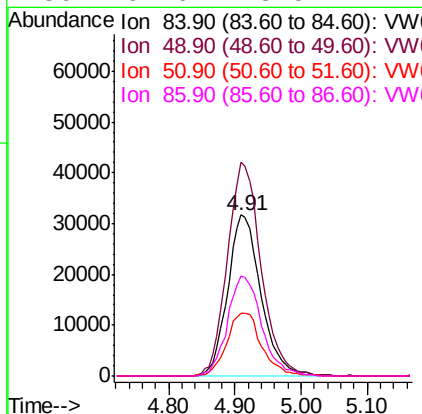
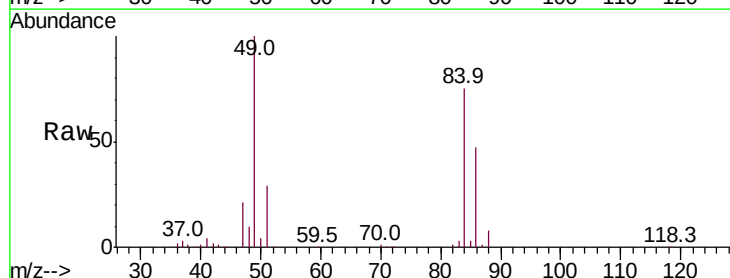
Tot Ion: 73 Resp: 202772
 Ion Ratio Lower Upper
 73 100
 57 22.3 16.4 24.6

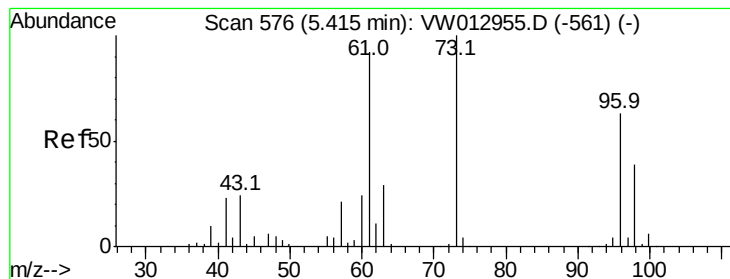


#20

Methylene Chloride
 Concen: 60.339 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 84 Resp: 110724
 Ion Ratio Lower Upper
 84 100
 49 132.3 102.0 153.0
 51 39.0 34.0 51.0
 86 61.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 53.384 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :

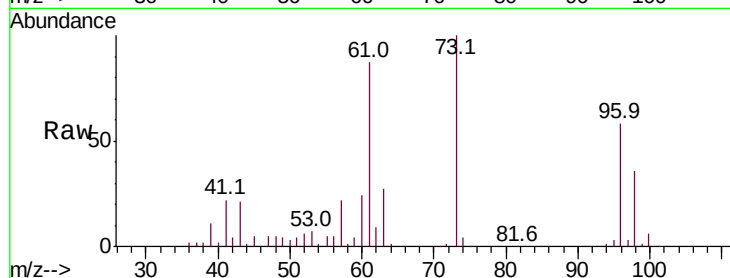
Tot Ion: 96 Resp: 98818

Ion Ratio Lower Upper

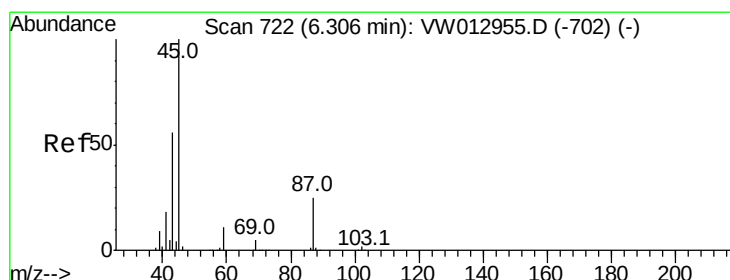
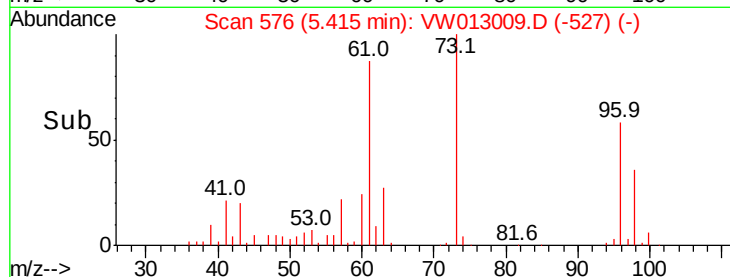
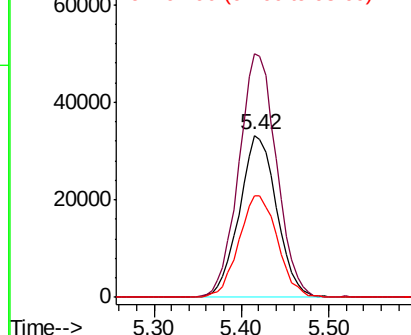
96 100

61 150.1 116.2 174.2

98 62.6 49.8 74.6



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: 57.169 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion: 45 Resp: 389680

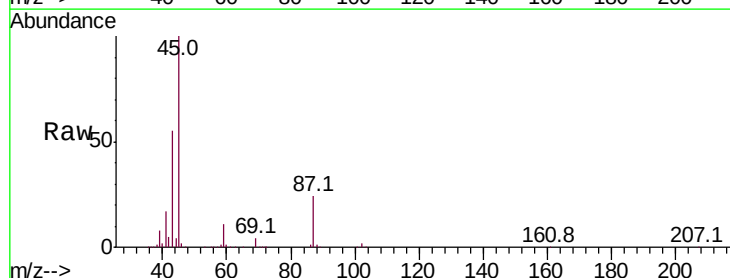
Ion Ratio Lower Upper

45 100

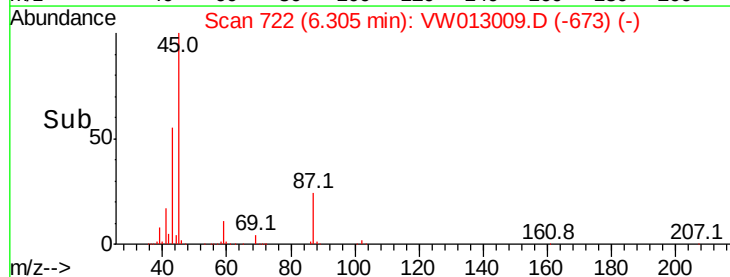
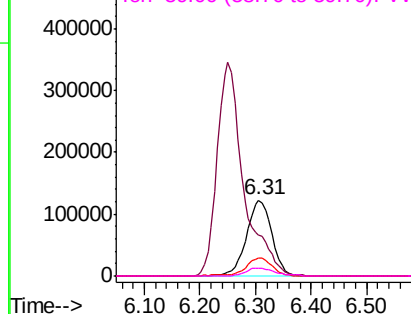
43 54.8 44.6 67.0

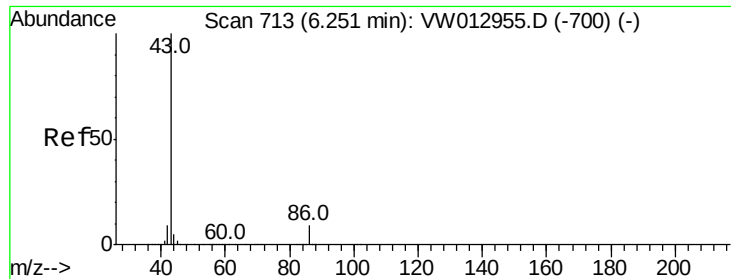
87 24.0 20.0 30.0

59 10.8 8.7 13.1



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: 280.609 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

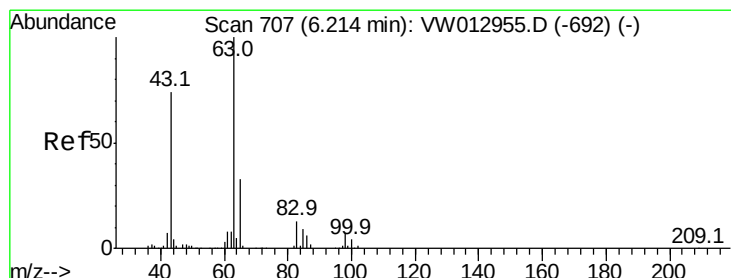
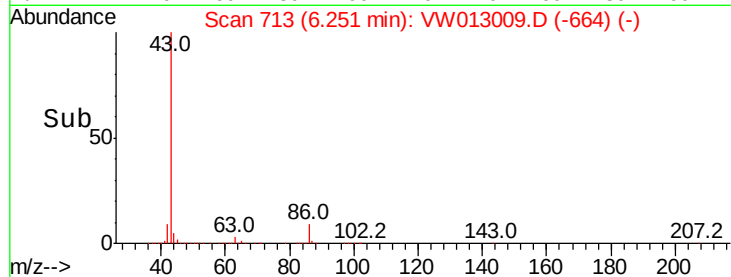
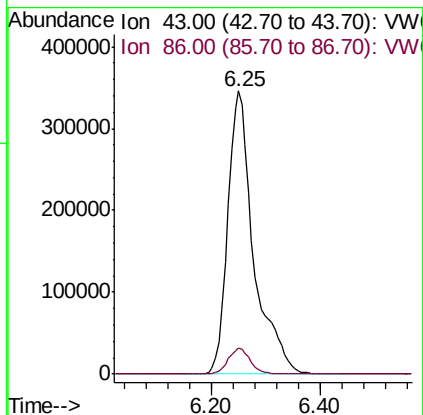
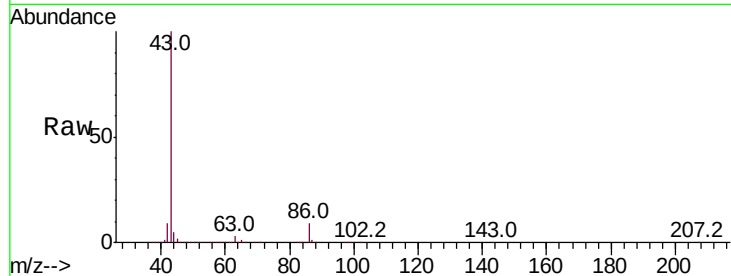
ClientSampleId :

Tot Ion: 43 Resp: 1145592

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6



#24

1,1-Dichloroethane

Concen: 54.160 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

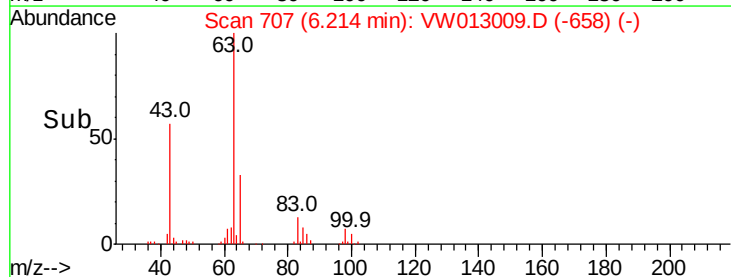
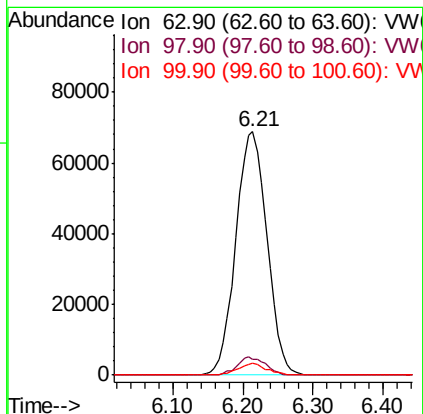
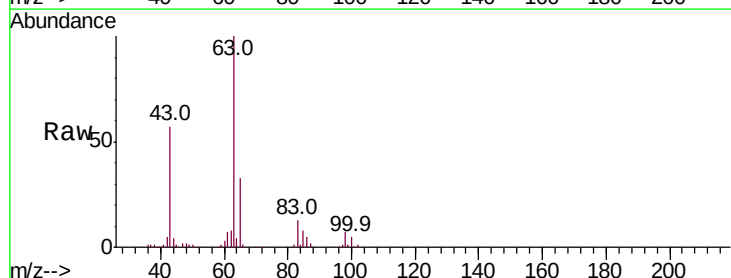
Tgt Ion: 63 Resp: 212852

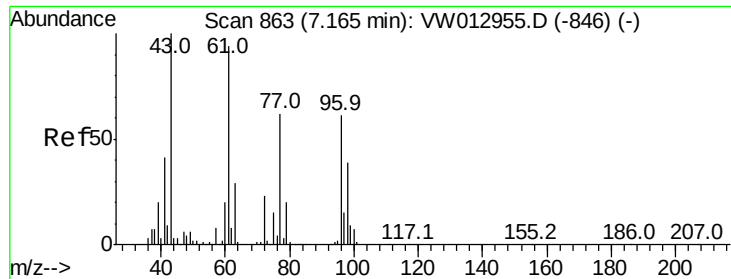
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 284.403 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

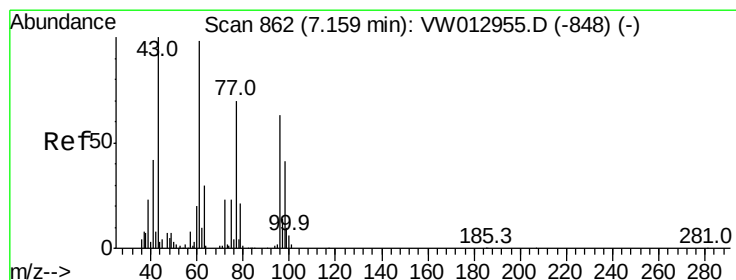
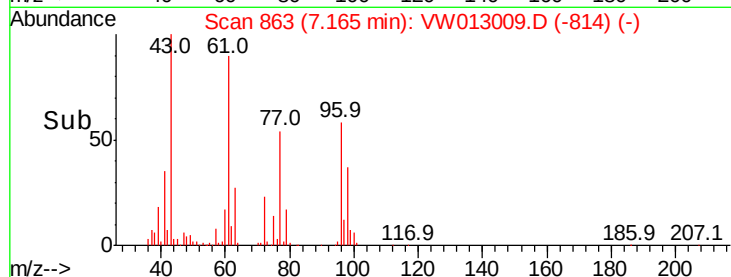
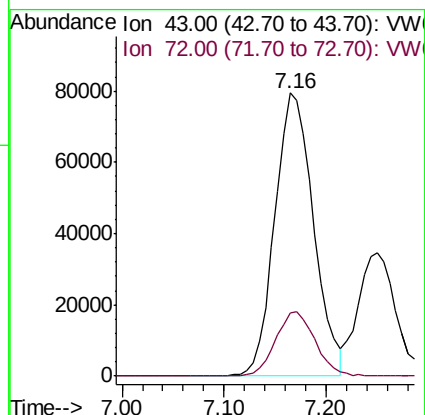
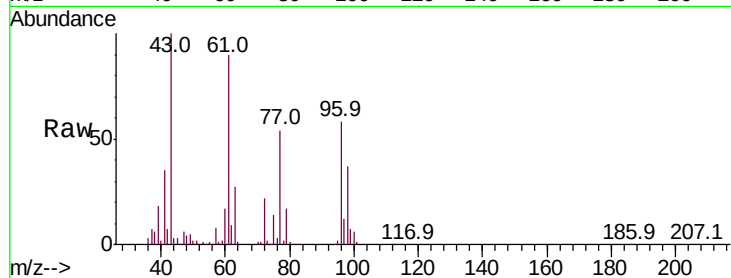
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 209128

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 51.037 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013009.D

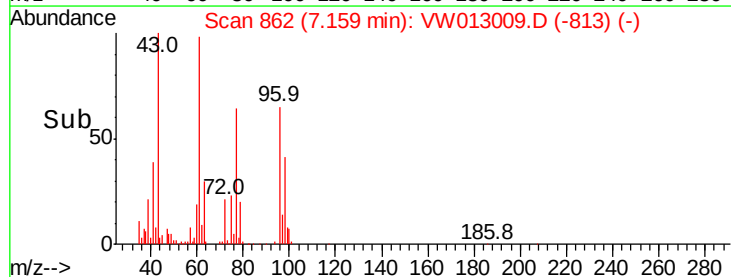
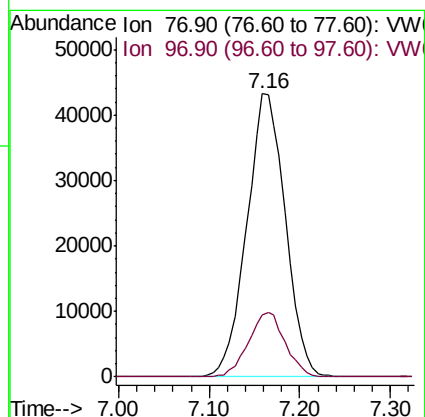
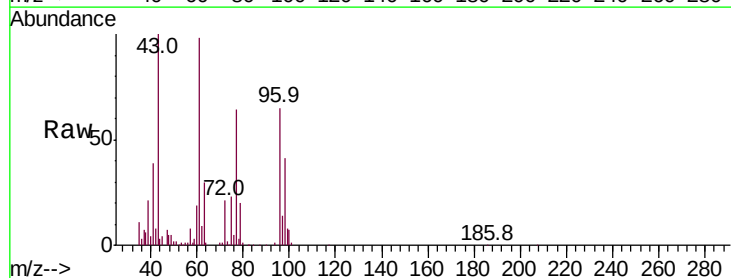
Acq: 14 Sep 2019 22:49

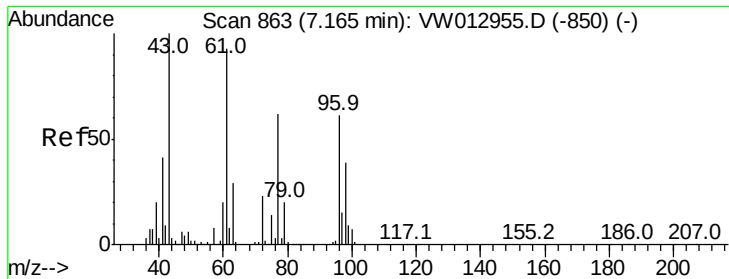
Tgt Ion: 77 Resp: 127069

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1



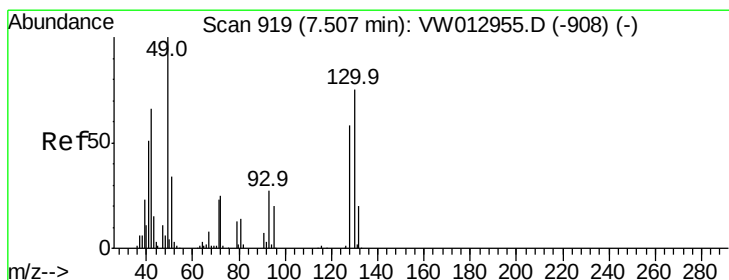
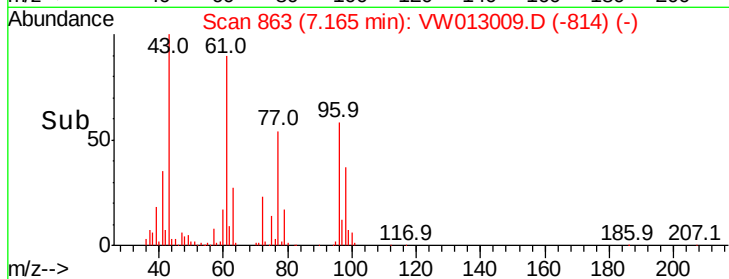
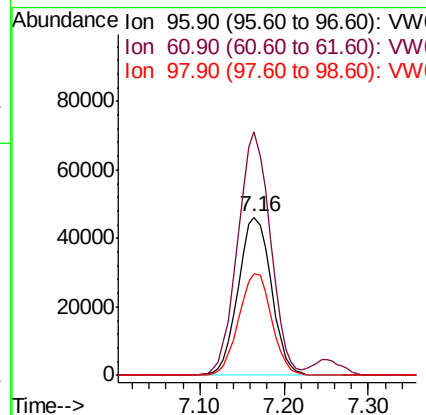
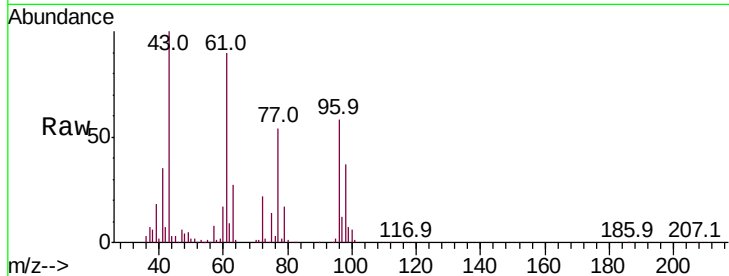


#27

cis-1,2-Dichloroethene
 Concen: 55.250 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampled :

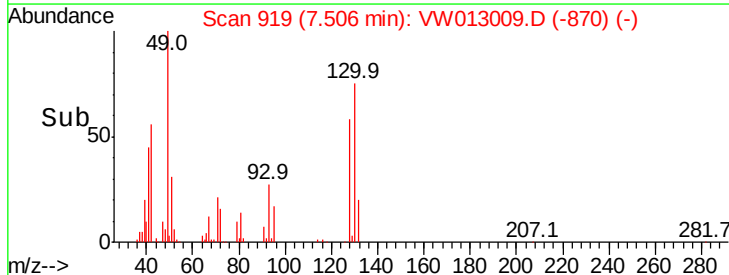
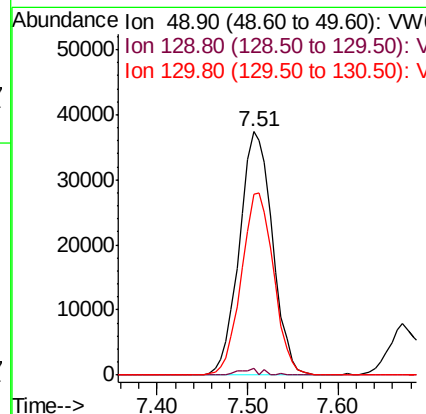
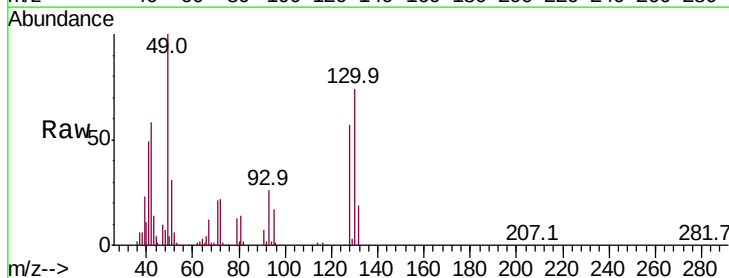
Tot Ion	96	Resp	122442
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	315.4
98	63.7	0.0	131.0

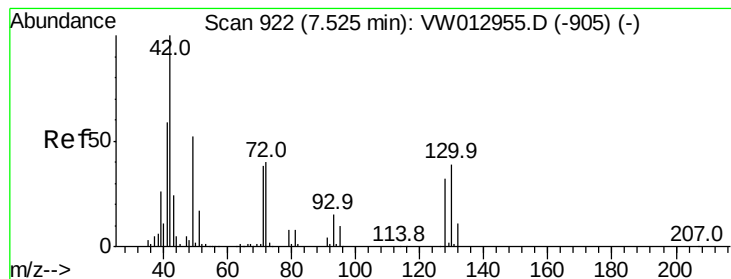


#28

Bromochloromethane
 Concen: 57.279 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	49	Resp	94747
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	73.2	57.8	86.6





#29

Tetrahydrofuran

Concen: 313.892 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :

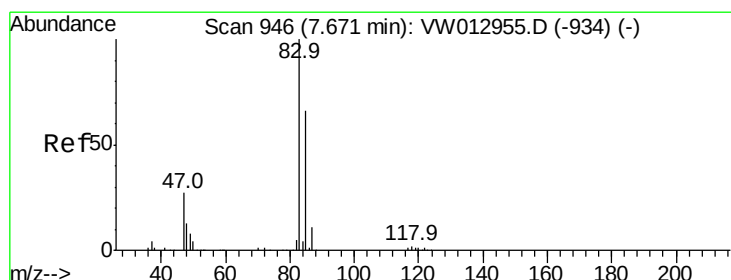
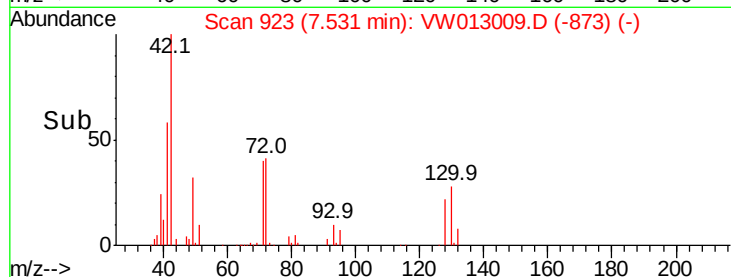
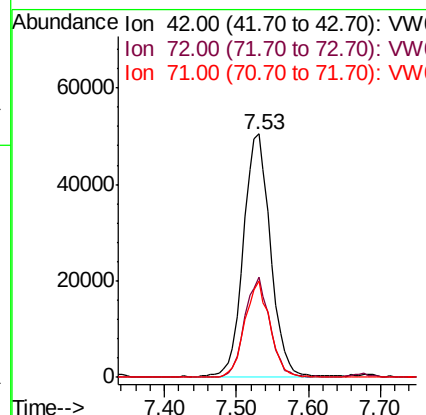
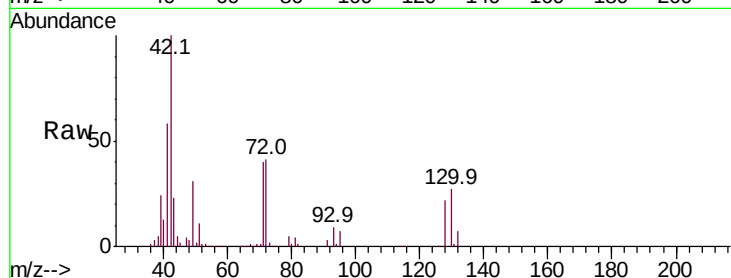
Tot Ion: 42 Resp: 131512

Ion Ratio Lower Upper

42 100

72 38.2 31.4 47.0

71 36.9 29.8 44.8



#30

Chloroform

Concen: 53.997 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013009.D

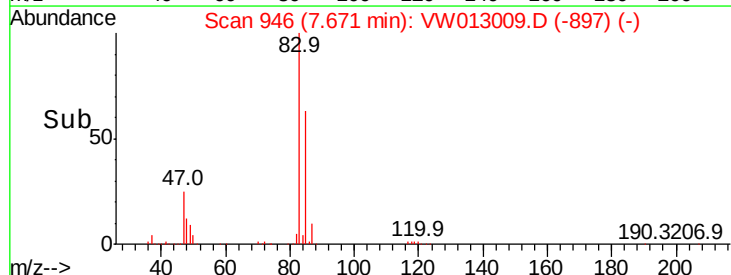
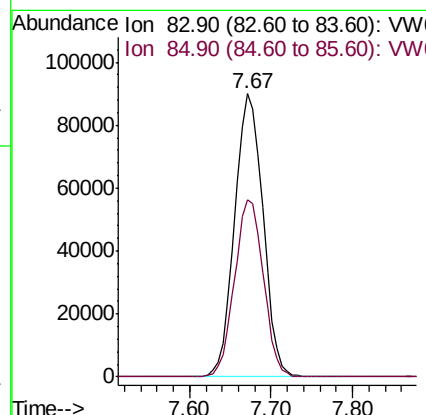
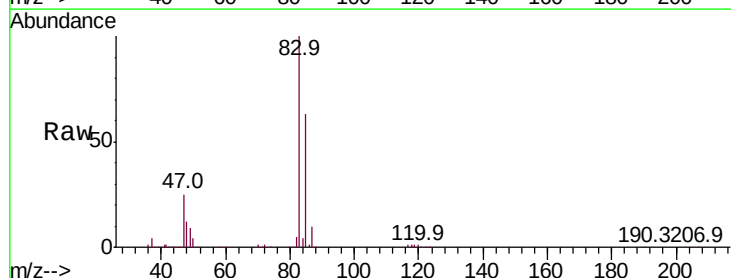
Acq: 14 Sep 2019 22:49

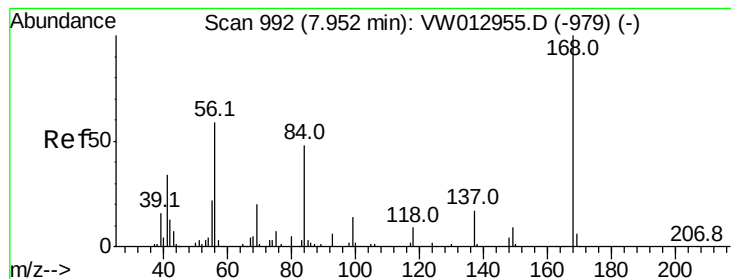
Tgt Ion: 83 Resp: 215620

Ion Ratio Lower Upper

83 100

85 62.8 52.8 79.2





#31

Cyclohexane

Concen: 55.269 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampled :

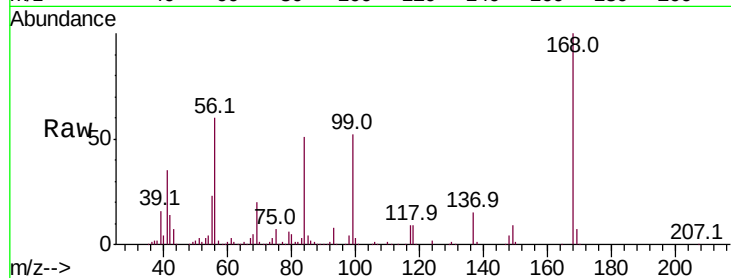
Tot Ion: 56 Resp: 161730

Ion Ratio Lower Upper

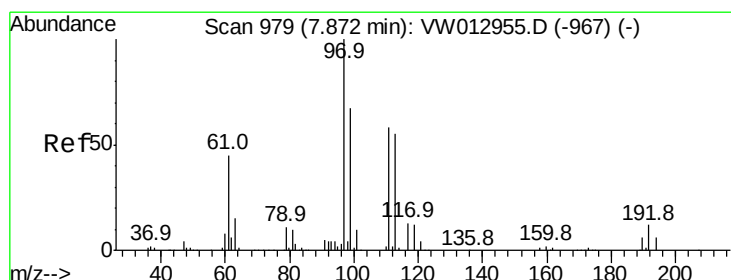
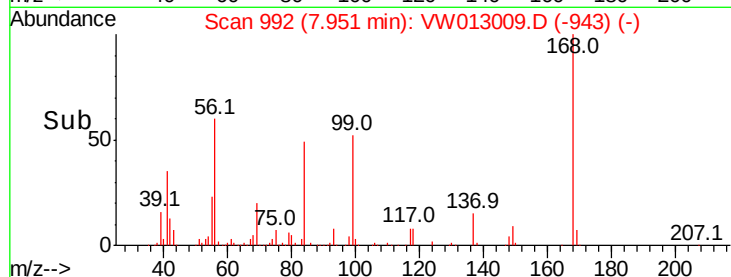
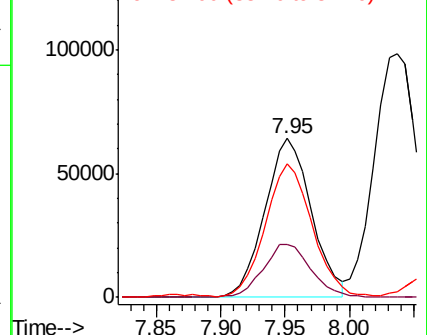
56 100

69 33.0 27.0 40.6

84 82.1 66.2 99.2



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: 53.938 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

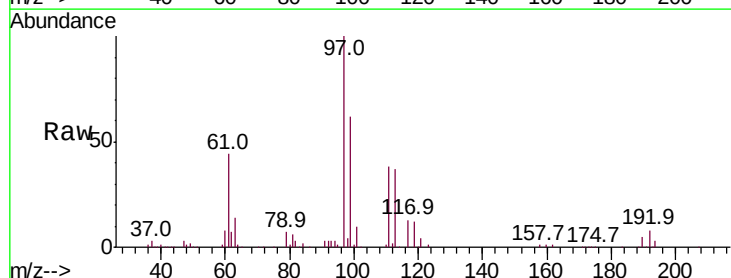
Tgt Ion: 97 Resp: 177375

Ion Ratio Lower Upper

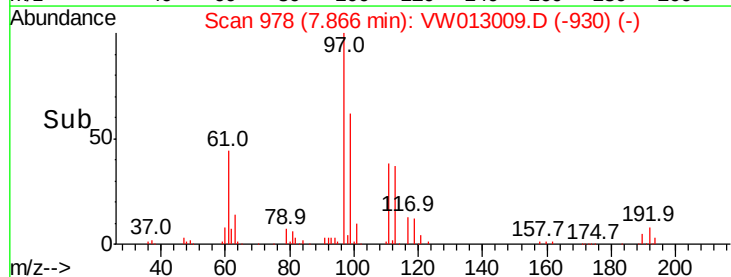
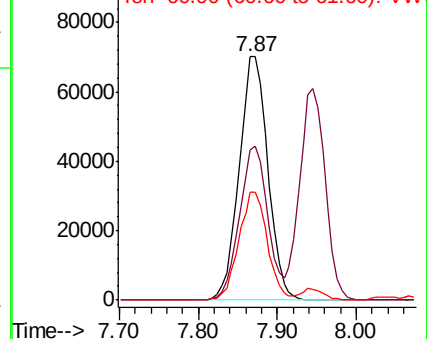
97 100

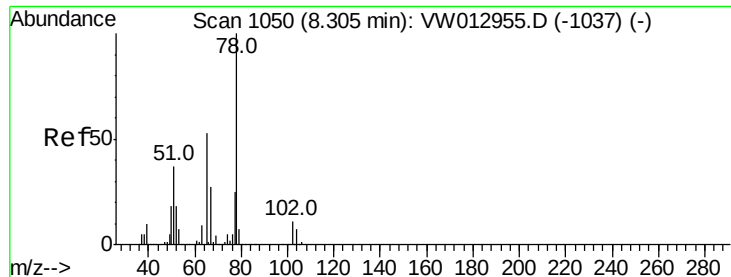
99 62.9 53.0 79.4

61 44.3 36.5 54.7



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

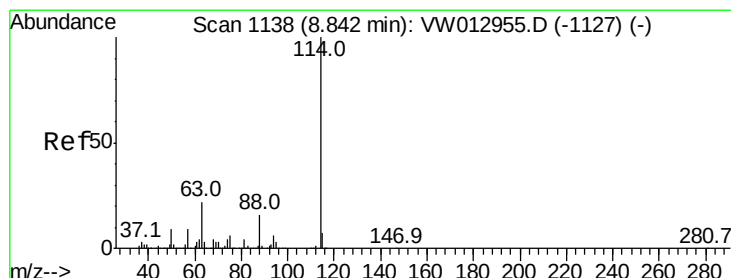
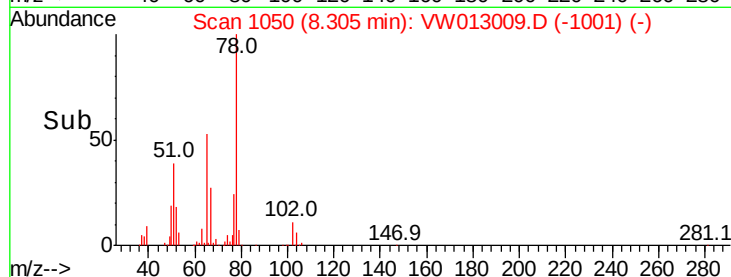
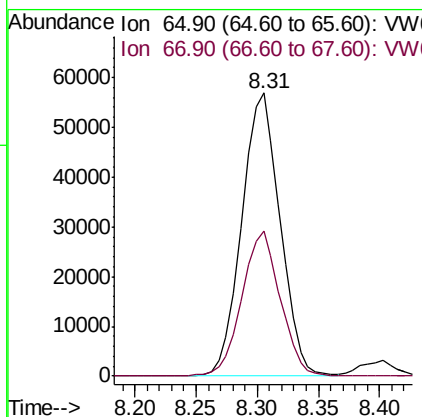
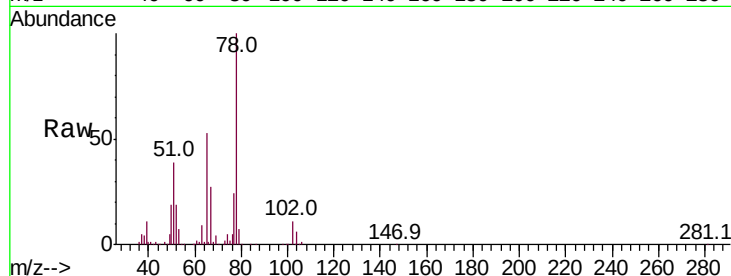




#33
 1,2-Dichloroethane-d4
 Concen: 53.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

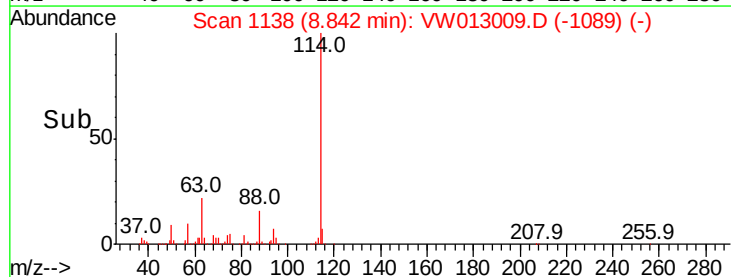
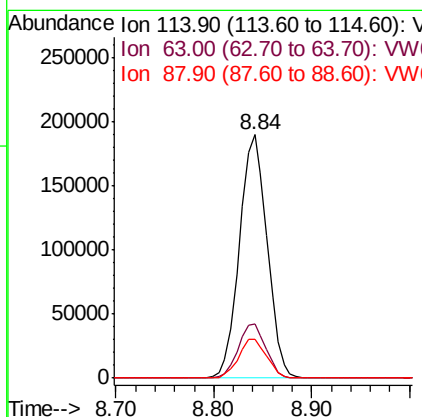
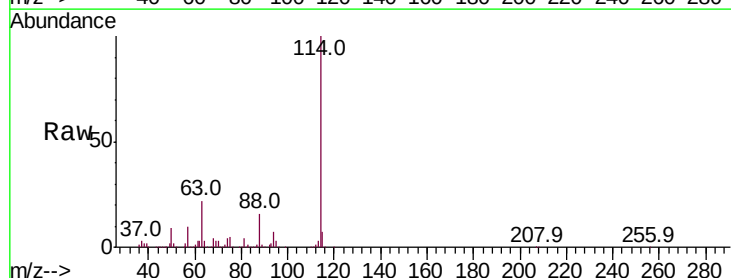
Instrument :
 MSVOA_W
 ClientSampleId :

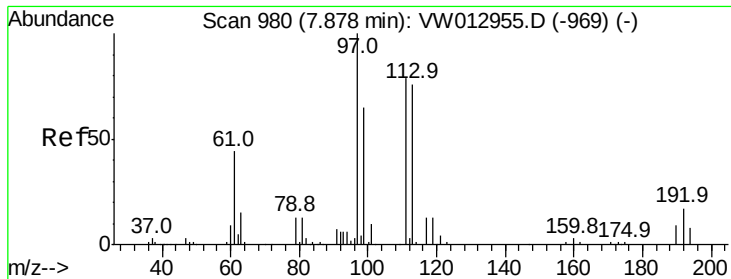
Tot Ion: 65 Resp: 123828
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 114 Resp: 372919
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.073 ug/l

RT: 7.88 min Scan# 980

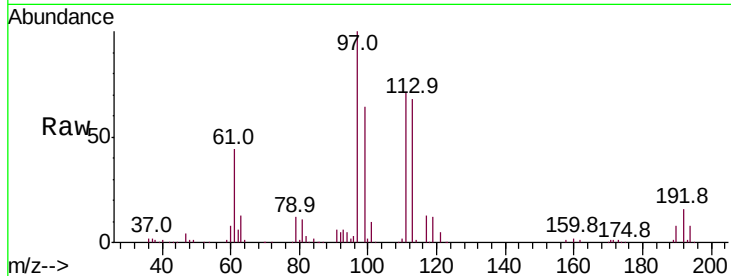
Delta R.T. -0.00 min

Lab File: VW013009.D

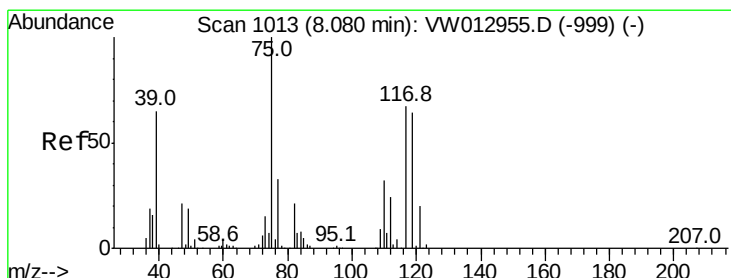
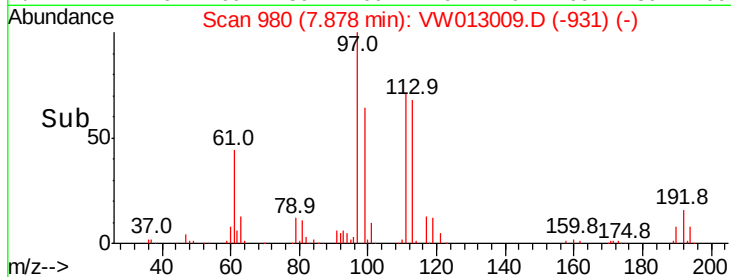
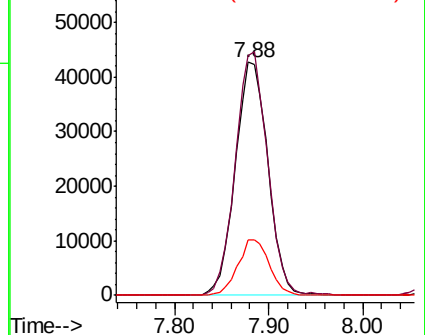
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	113	Resp:	103347
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	22.9	17.8	26.8



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: 51.457 ug/l

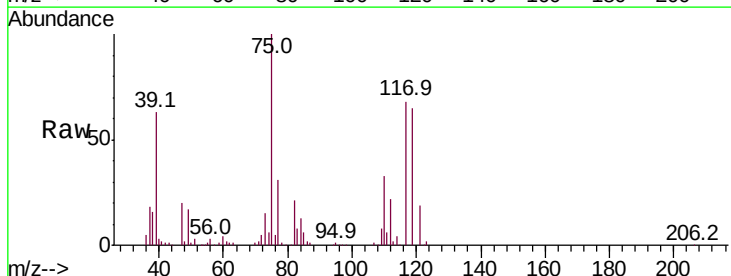
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

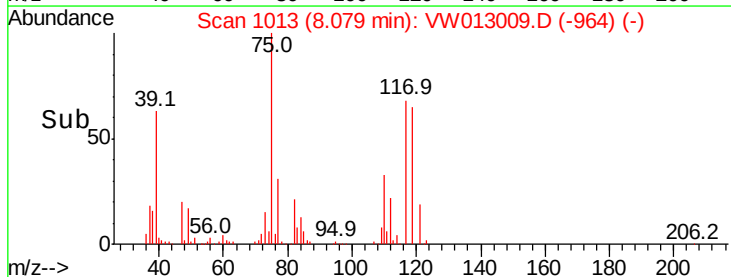
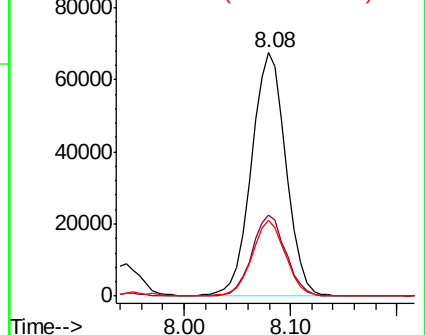
Lab File: VW013009.D

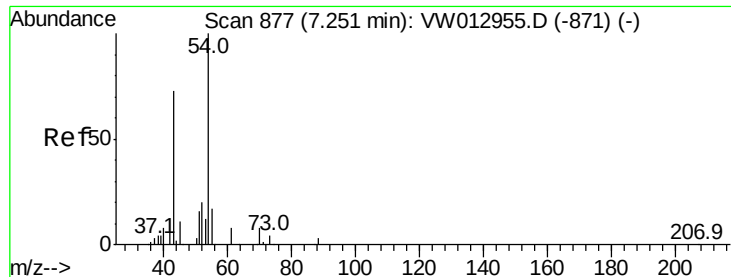
Acq: 14 Sep 2019 22:49

Tgt Ion:	75	Resp:	153339
Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.4	49.1
77	30.2	25.1	37.7



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: 57.368 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampled :

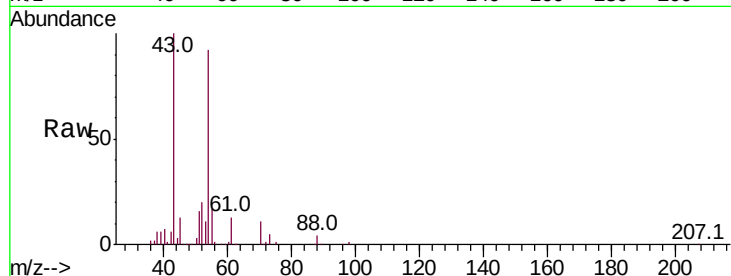
Tot Ion: 43 Resp: 90740

Ion Ratio Lower Upper

43 100

61 12.7 9.6 14.4

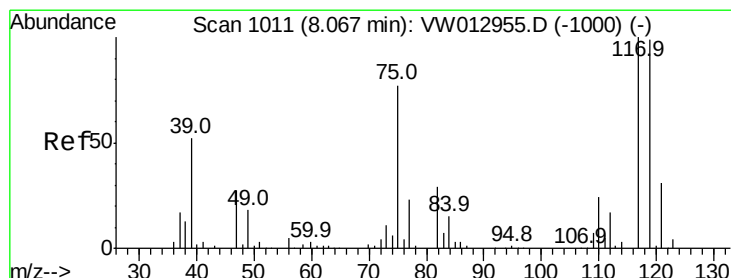
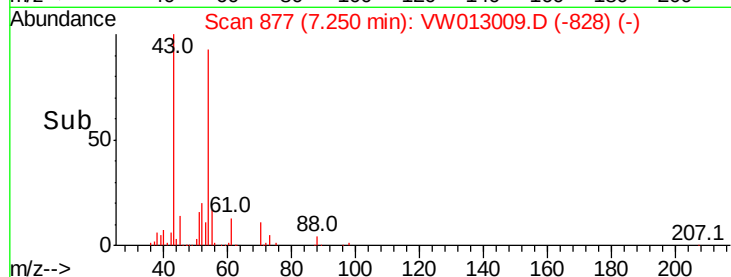
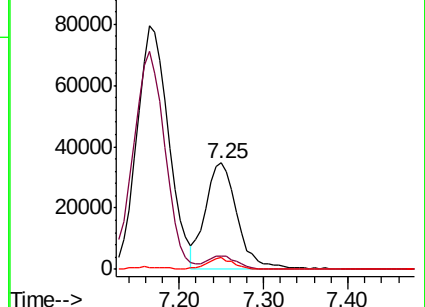
70 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 51.352 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

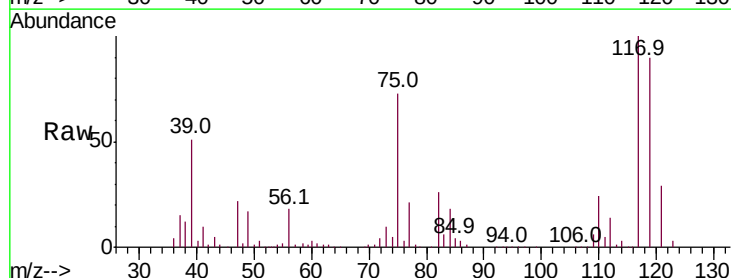
Tgt Ion: 117 Resp: 156818

Ion Ratio Lower Upper

117 100

119 90.3 79.4 119.0

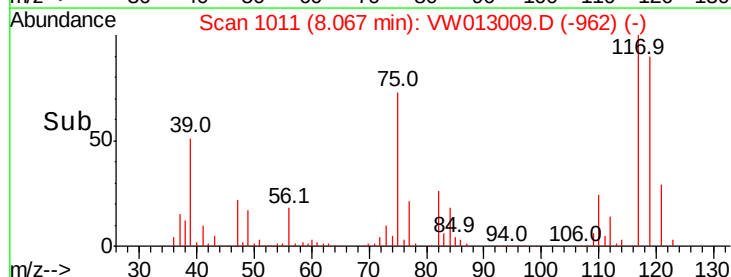
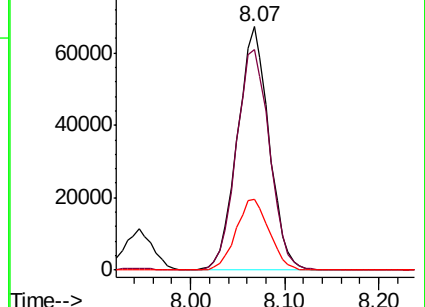
121 29.1 24.6 36.8

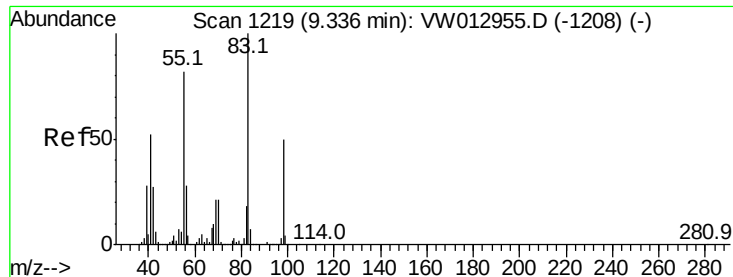


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

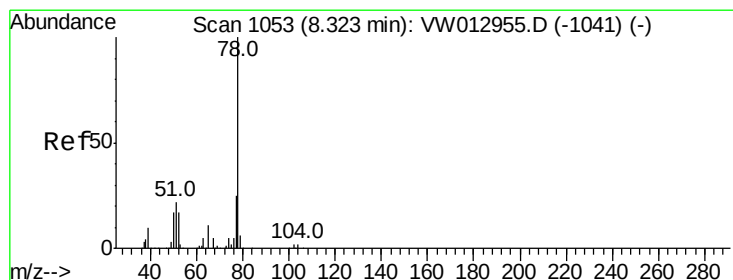
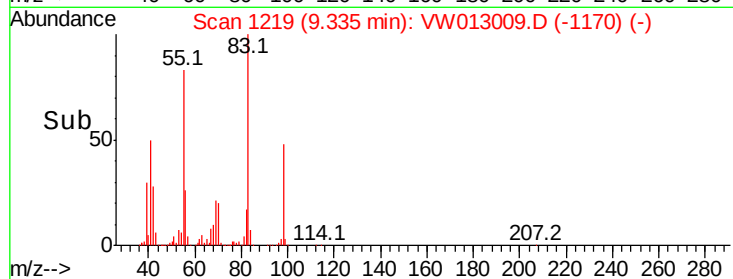
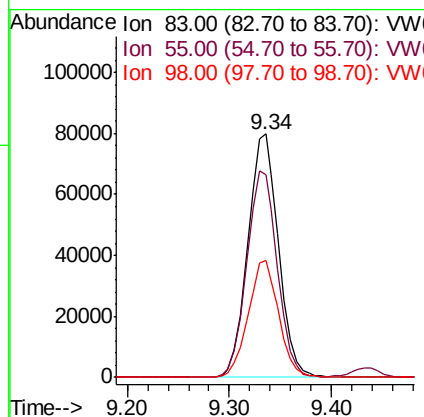
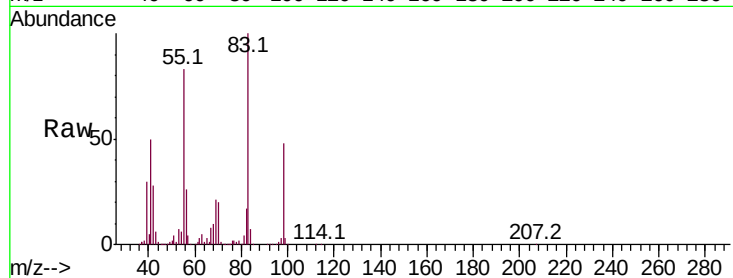




#39
Methylvlcyclohexane
Concen: 51.004 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

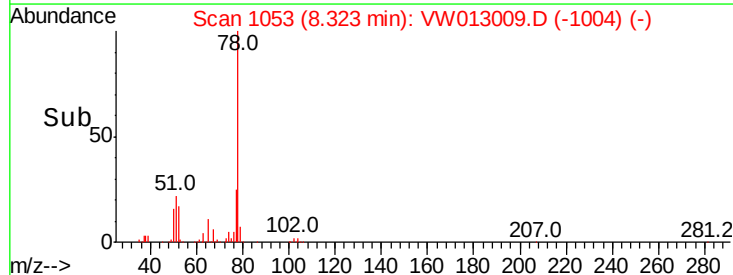
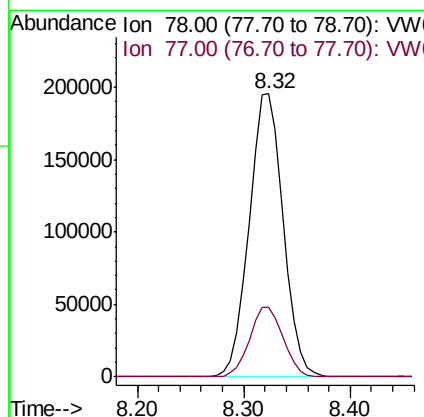
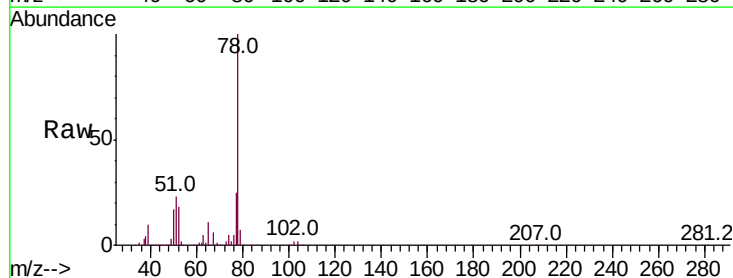
Instrument :
MSVOA_W
ClientSampleId :

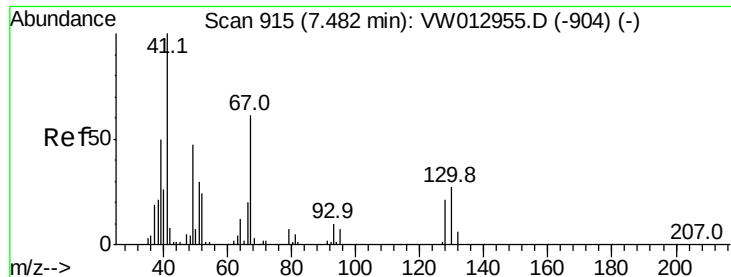
Tot Ion:	83	Resp:	166546
Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.9	98.9
98	47.9	39.6	59.4



#40
Benzene
Concen: 52.683 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:	78	Resp:	438273
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.6	29.4

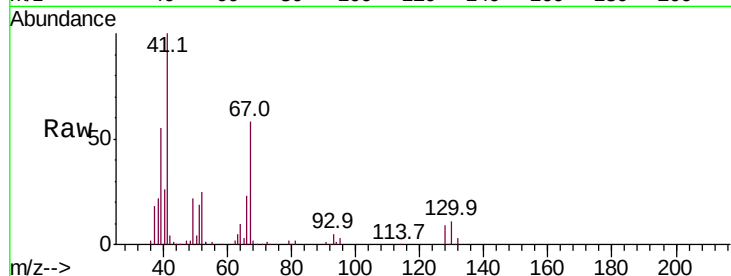




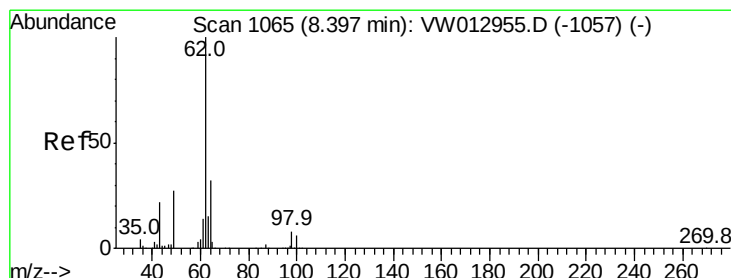
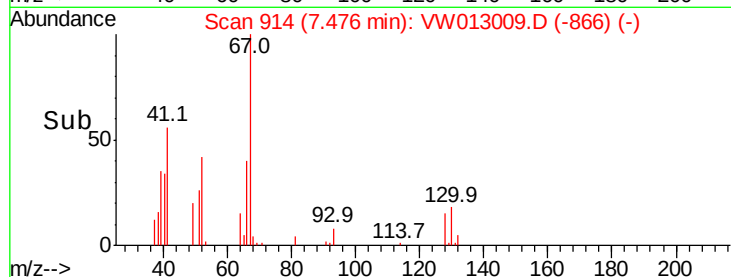
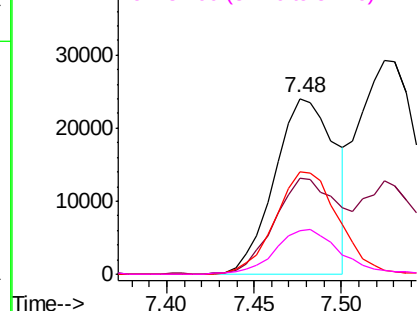
#41
Methacrylonitrile
Concen: 56.119 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	58455
Ion	Ratio	Lower	Upper
41	100		
39	59.5	48.2	72.4
67	61.0	47.5	71.3
52	27.6	21.0	31.4

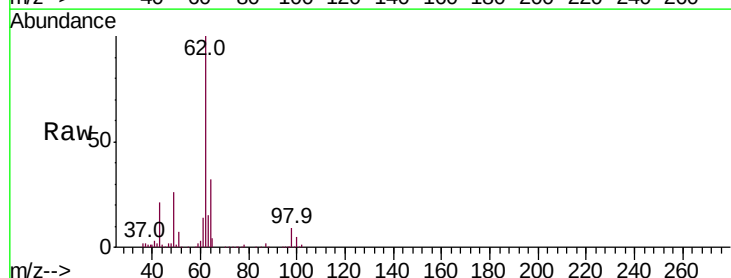


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

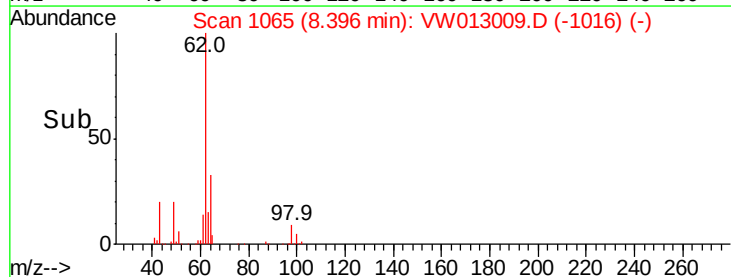
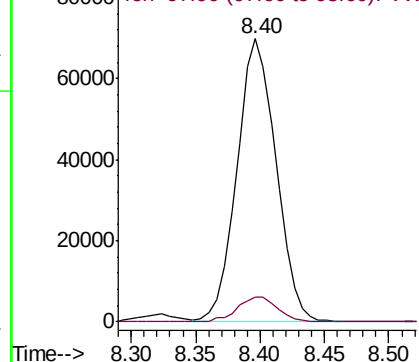


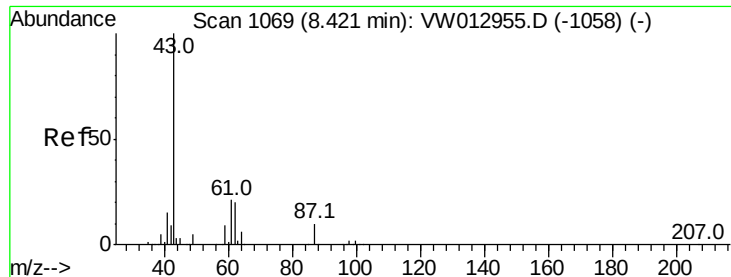
#42
1,2-Dichloroethane
Concen: 52.763 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:	62	Resp:	147140
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 57.490 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampled :

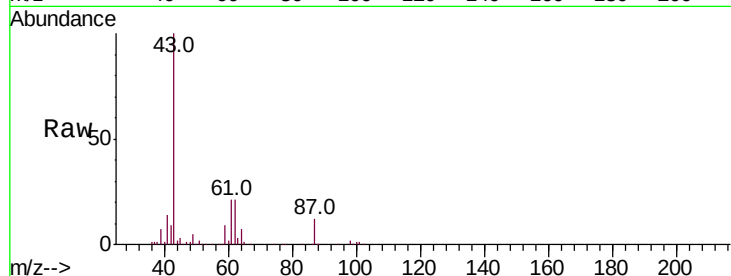
Tot Ion: 43 Resp: 174595

Ion Ratio Lower Upper

43 100

61 28.2 22.7 34.1

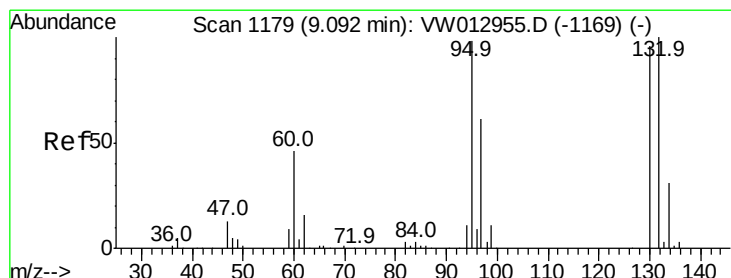
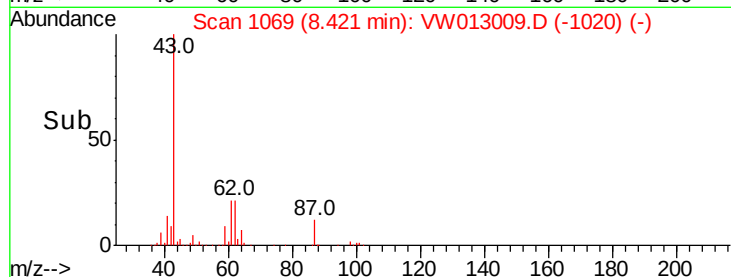
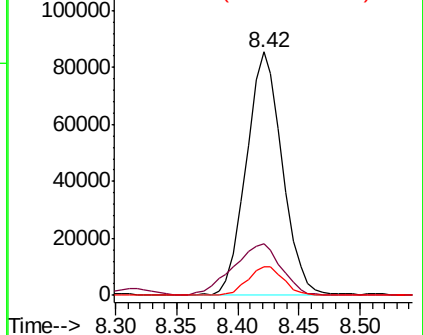
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.225 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013009.D

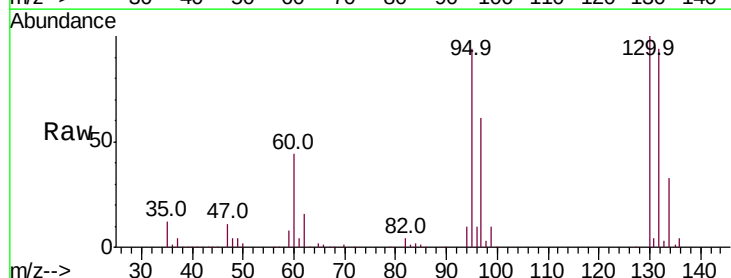
Acq: 14 Sep 2019 22:49

Tgt Ion:130 Resp: 119003

Ion Ratio Lower Upper

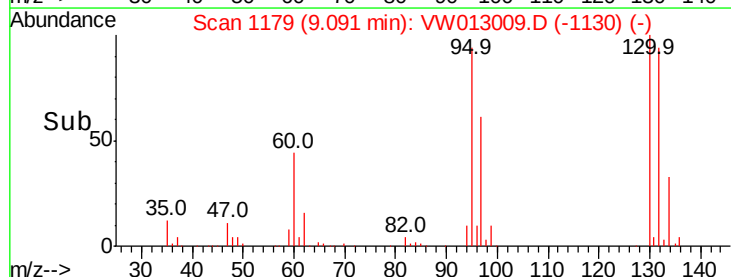
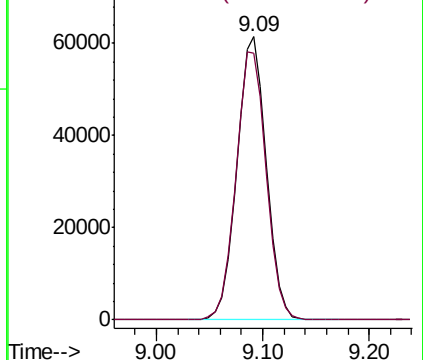
130 100

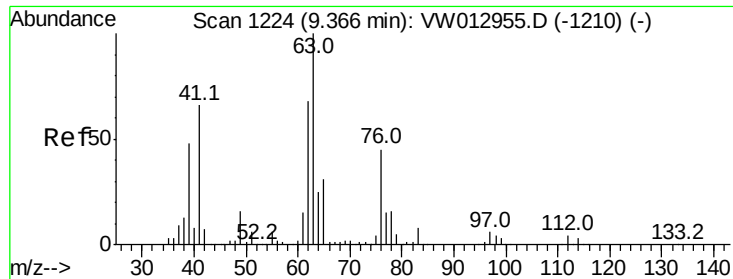
95 94.2 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

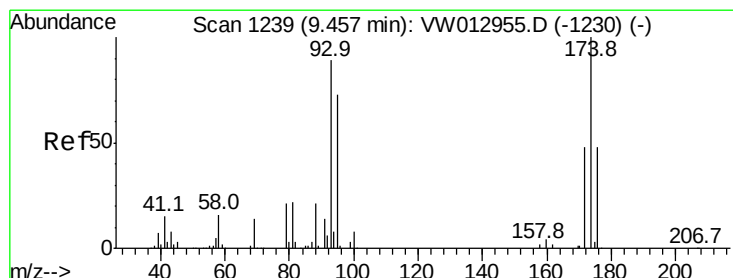
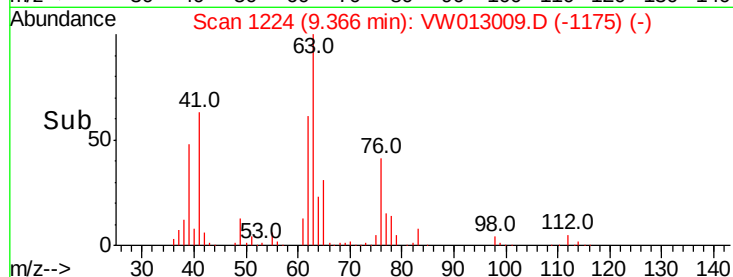
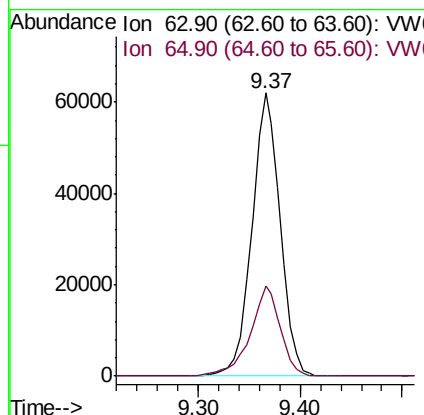
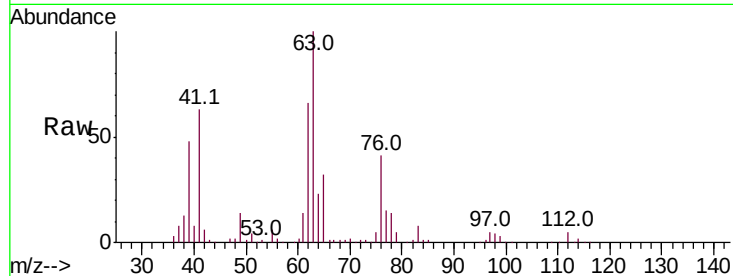




#45
 1,2-Dichloropropane
 Concen: 53.930 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

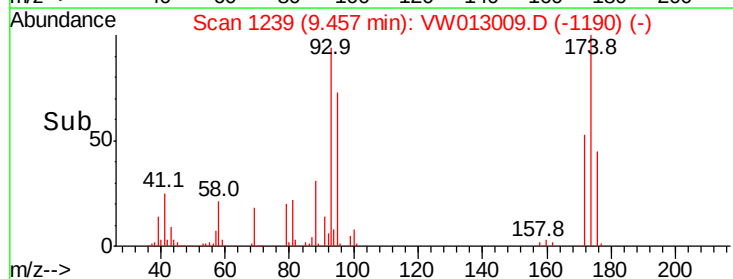
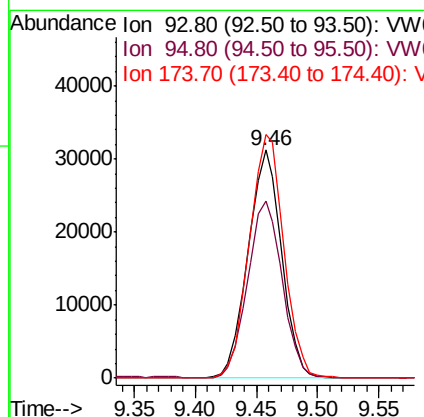
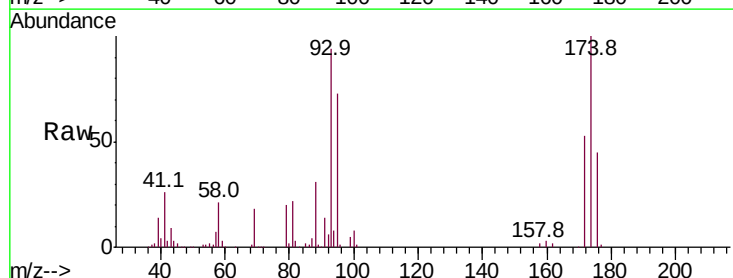
Instrument :
 MSVOA_W
 ClientSampleId :

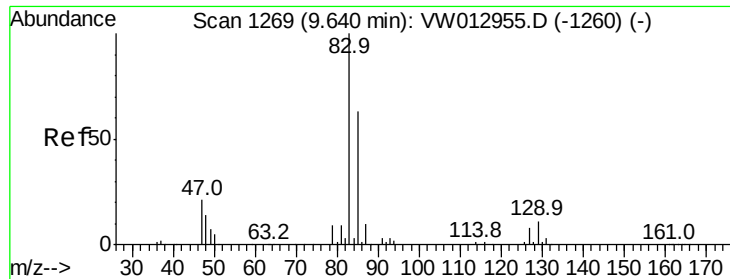
Tot Ion: 63 Resp: 119197
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0



#46
 Dibromomethane
 Concen: 56.268 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 93 Resp: 59583
 Ion Ratio Lower Upper
 93 100
 95 80.5 67.0 100.4
 174 109.9 90.5 135.7





#47

Bromodichloromethane

Concen: 53.857 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

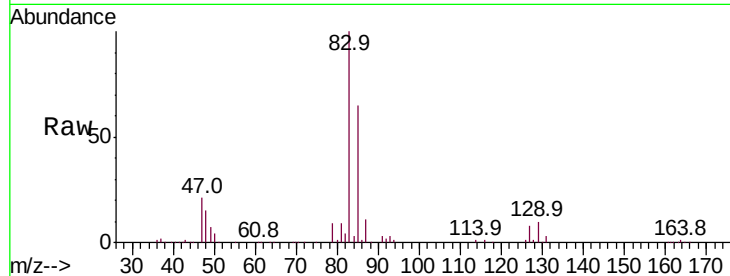
Tot Ion: 83 Resp: 159969

Ion Ratio Lower Upper

83 100

85 64.8 50.6 75.8

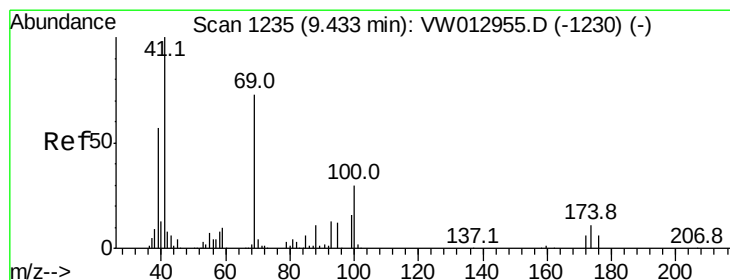
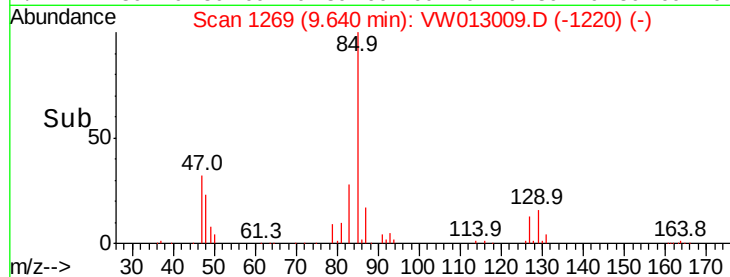
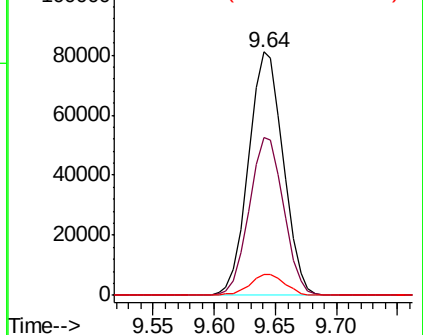
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 58.883 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

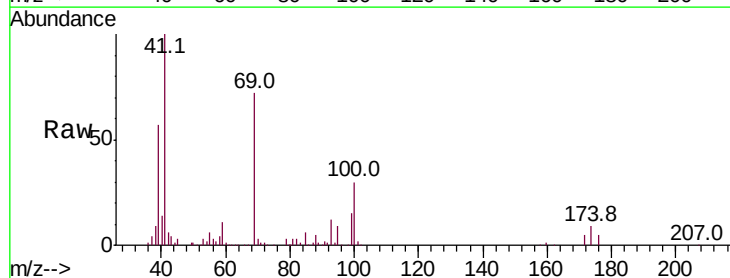
Tgt Ion: 41 Resp: 83925

Ion Ratio Lower Upper

41 100

69 76.8 62.8 94.2

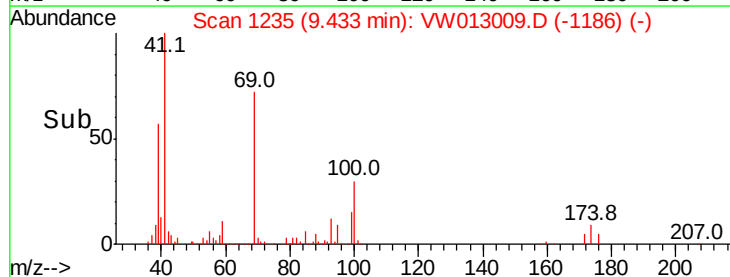
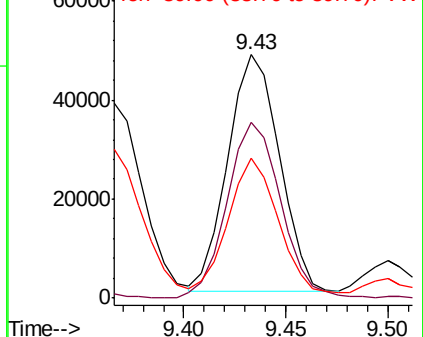
39 59.3 48.5 72.7

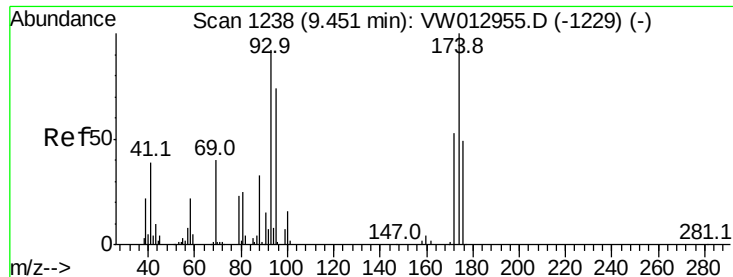


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

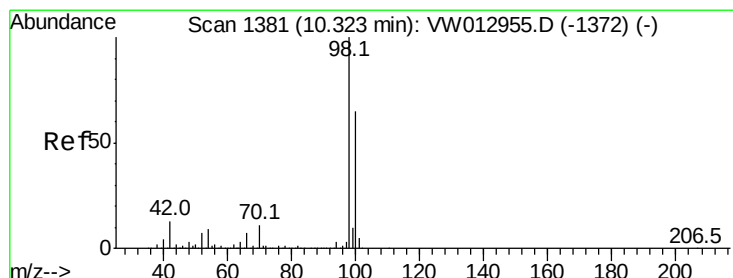
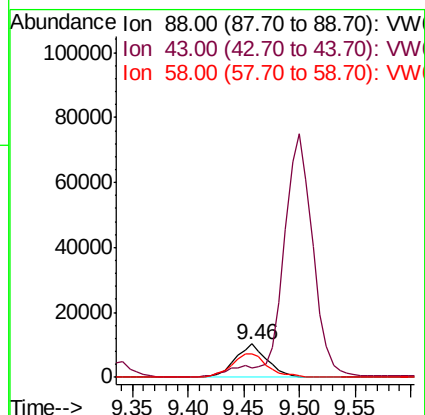
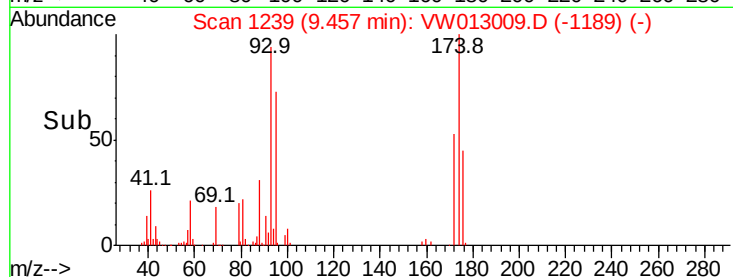
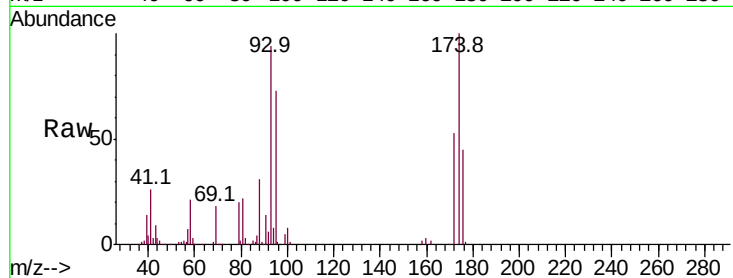




#49
1,4-Dioxane
Concen: 1152.532 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

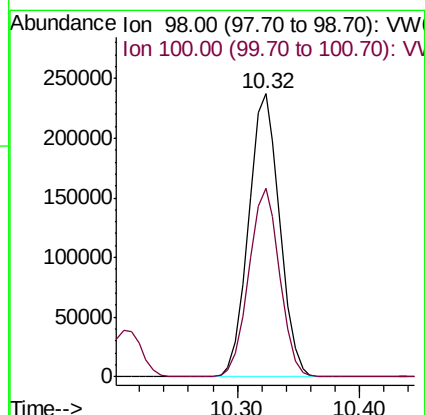
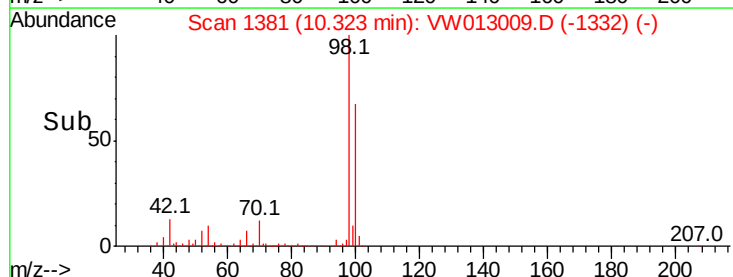
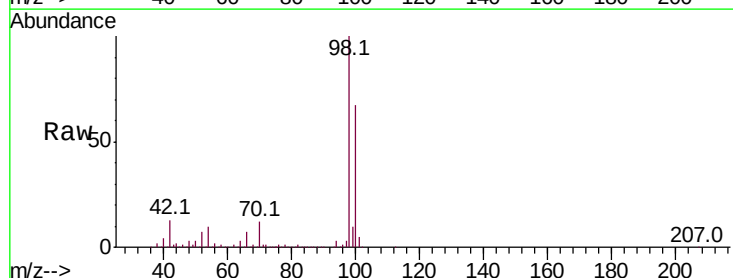
Instrument :
MSVOA_W
ClientSampleId :

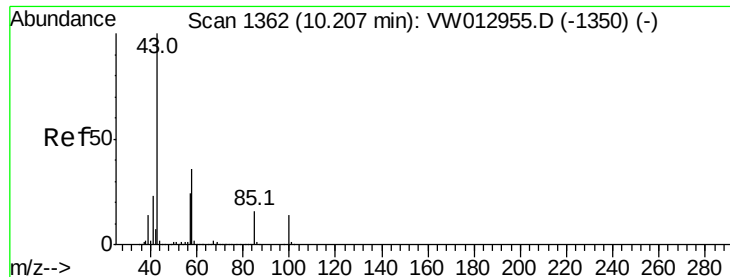
Tot Ion: 88 Resp: 20450
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 81.3 60.2 90.2



#50
Toluene-d8
Concen: 52.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 98 Resp: 419281
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 300.908 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

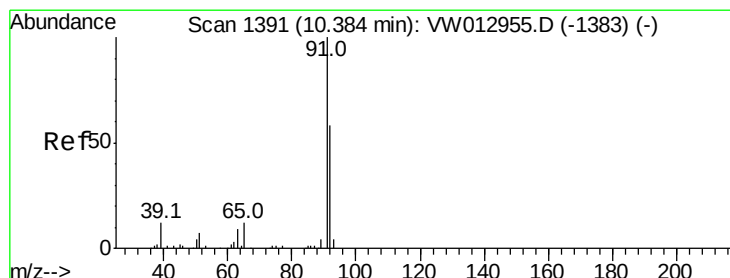
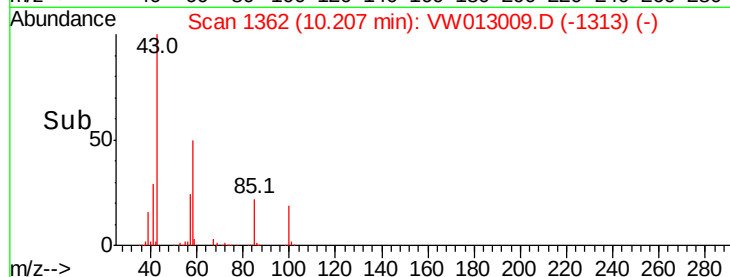
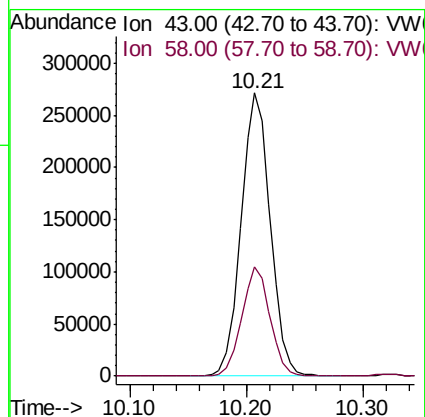
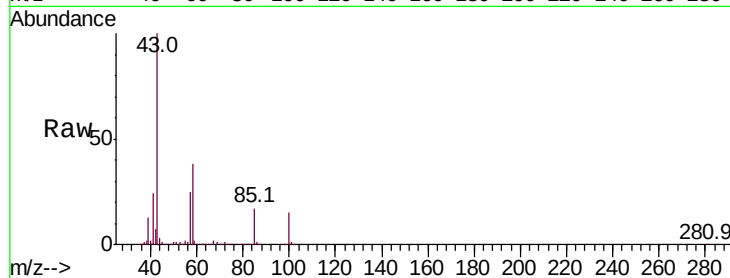
ClientSampled :

Tot Ion: 43 Resp: 471797

Ion Ratio Lower Upper

43 100

58 37.4 29.5 44.3



#52

Toluene

Concen: 53.635 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013009.D

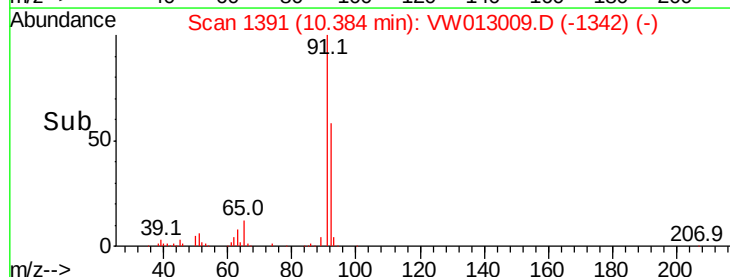
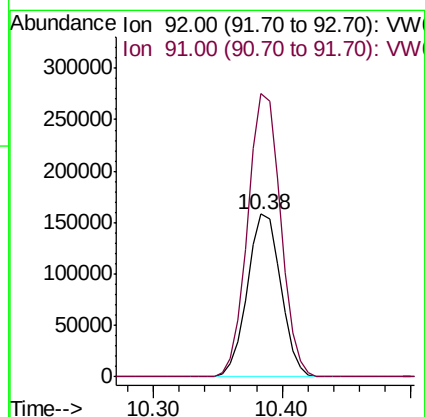
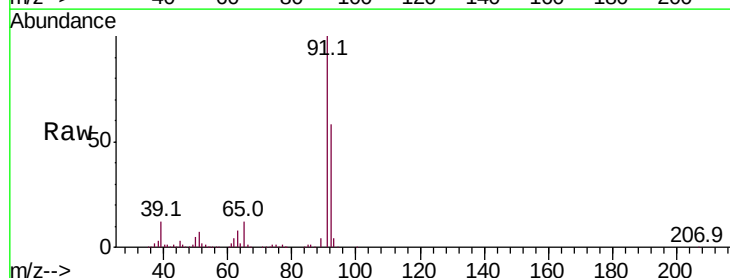
Acq: 14 Sep 2019 22:49

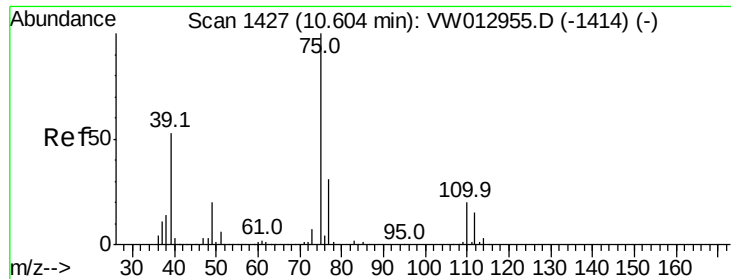
Tgt Ion: 92 Resp: 283526

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 54.199 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

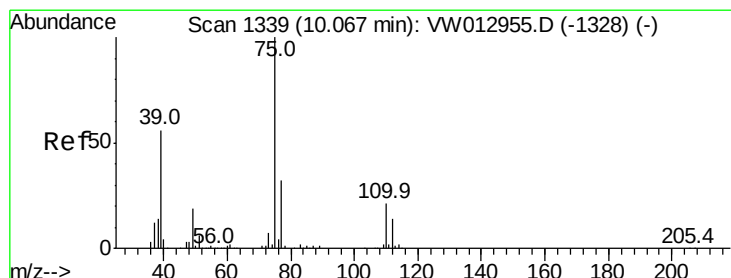
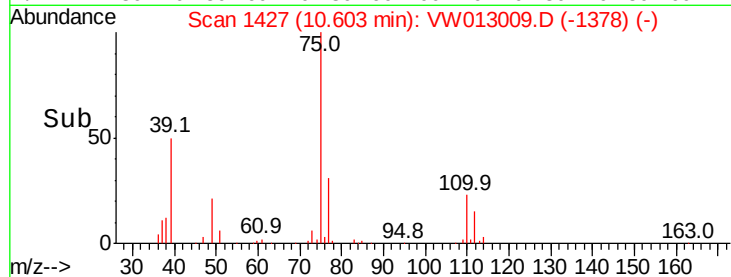
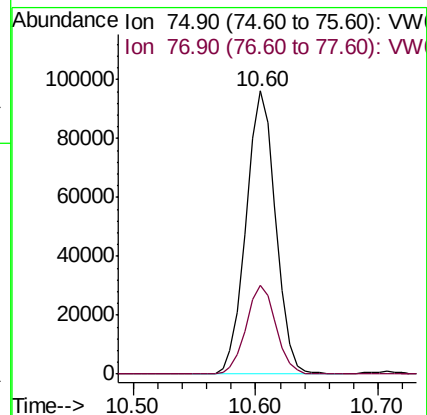
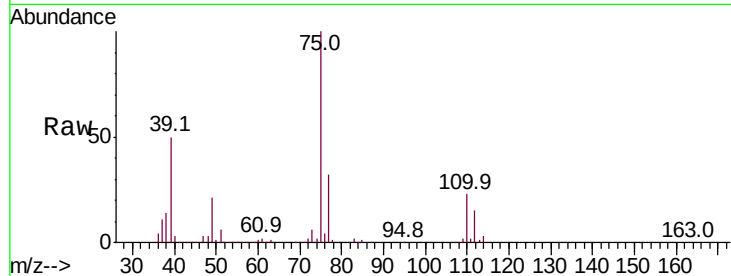
ClientSampled :

Tot Ion: 75 Resp: 161905

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 53.512 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

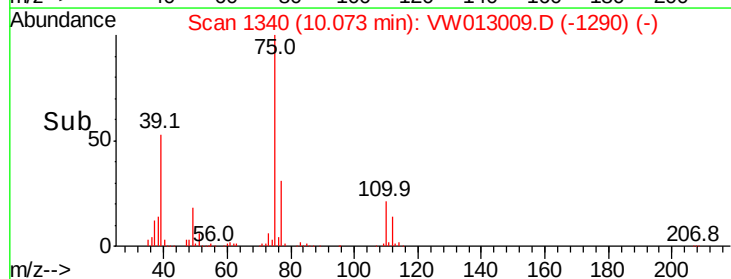
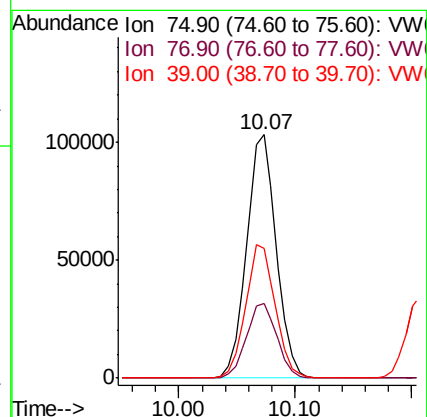
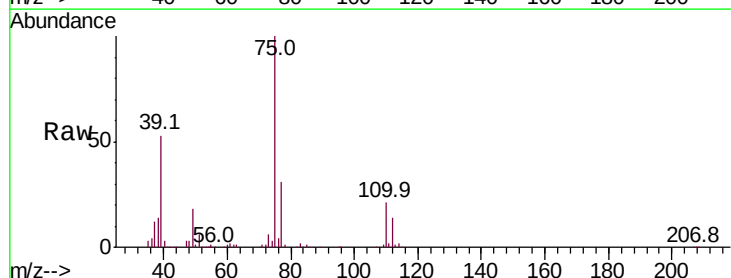
Tgt Ion: 75 Resp: 182903

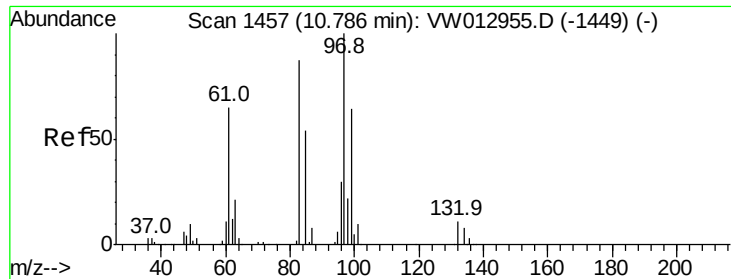
Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 53.3 45.0 67.6

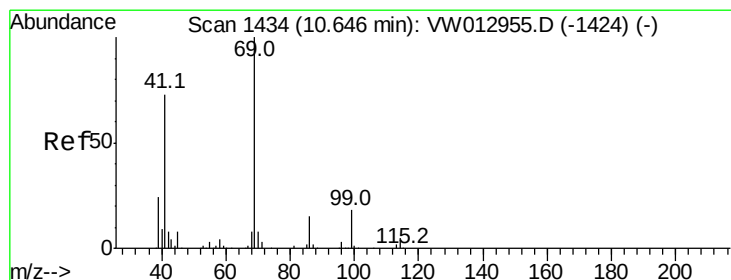
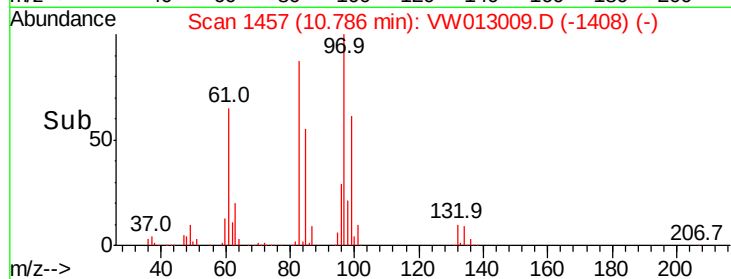
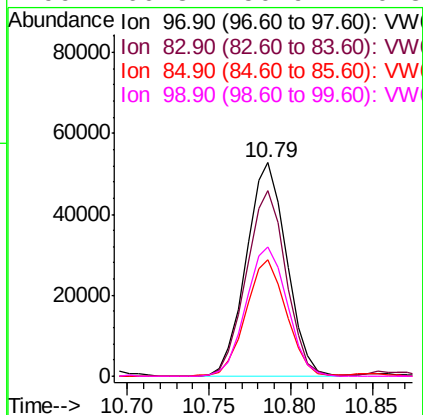
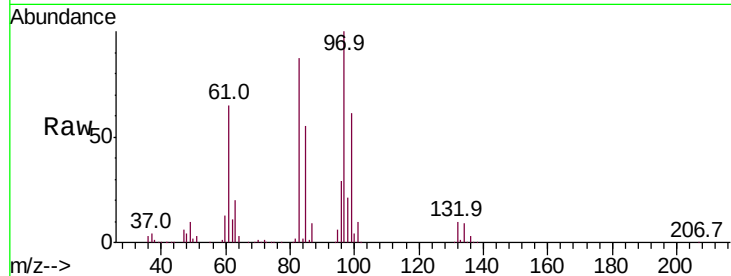




#55
 1,1,2-Trichloroethane
 Concen: 56.417 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

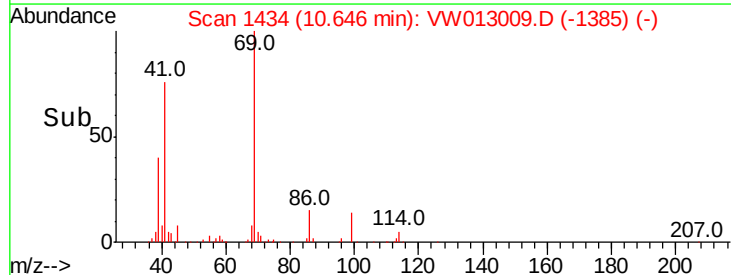
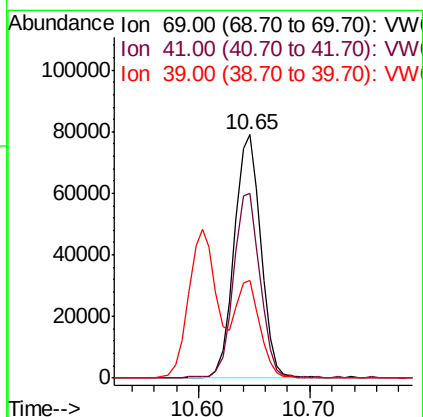
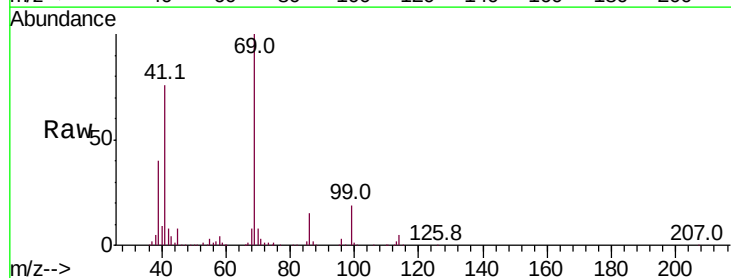
Instrument :
 MSVOA_W
 ClientSampleId :

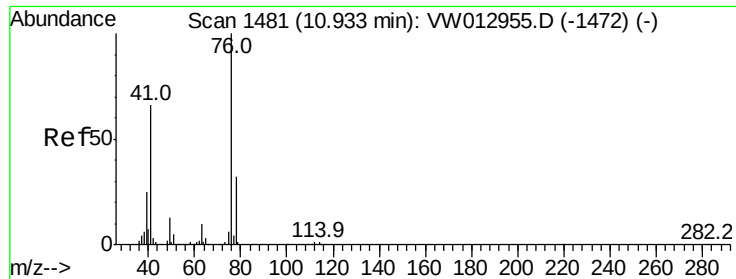
Tot Ion:	97	Resp:	91010
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.4	104.0
85	54.6	43.3	64.9
99	60.8	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 59.851 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion:	69	Resp:	129958
Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.8	91.2
39	35.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 56.287 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

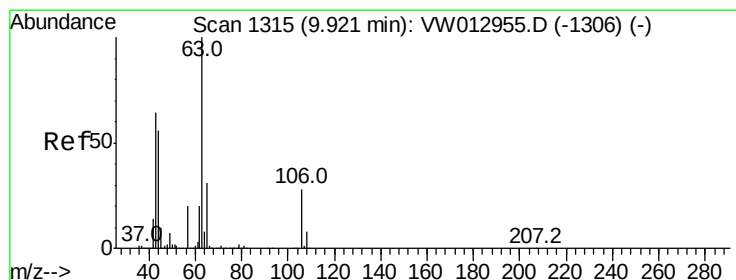
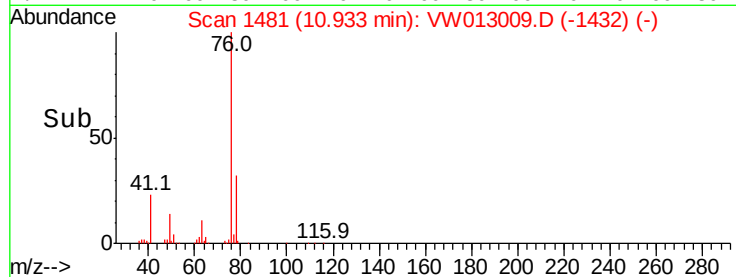
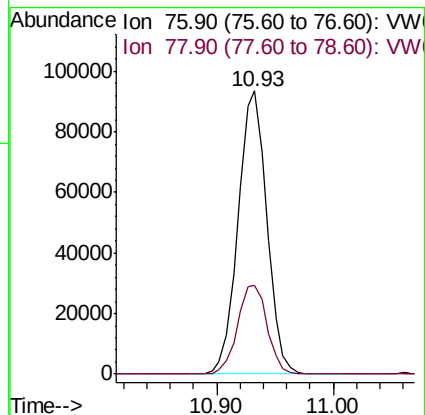
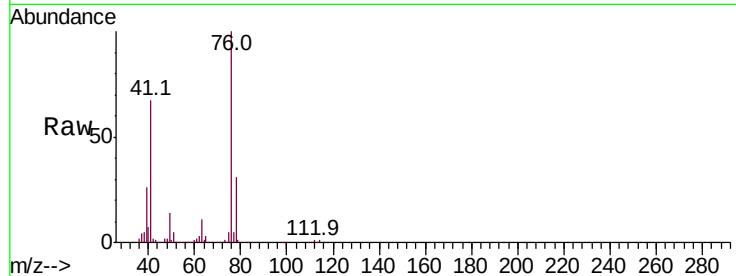
ClientSampleId :

Tot Ion: 76 Resp: 161071

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 277.008 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013009.D

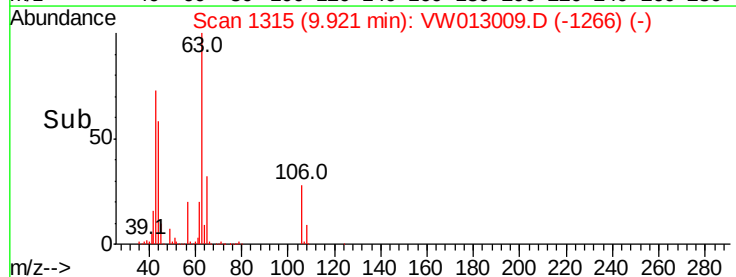
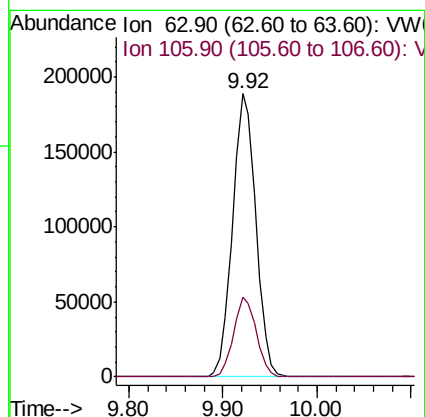
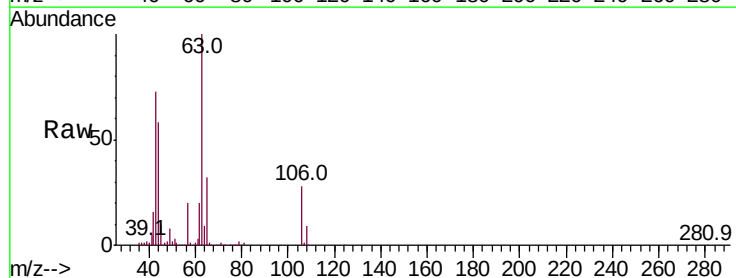
Acq: 14 Sep 2019 22:49

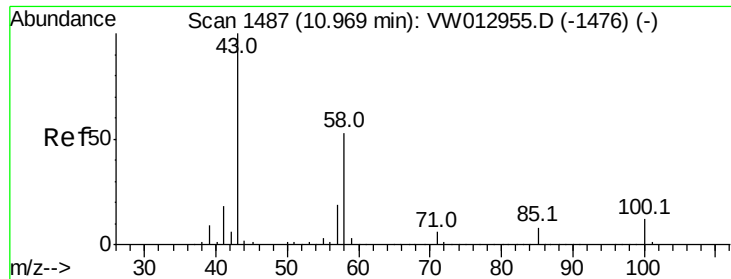
Tgt Ion: 63 Resp: 322652

Ion Ratio Lower Upper

63 100

106 27.5 22.2 33.2





#59

2-Hexanone

Concen: 296.325 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

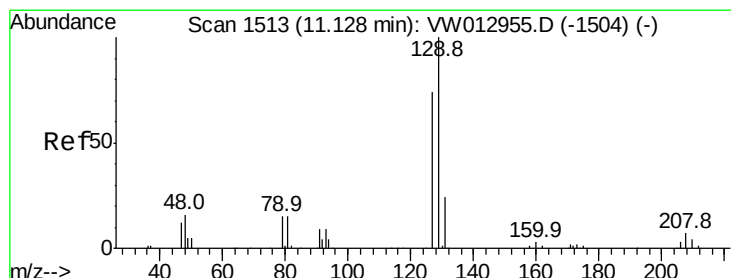
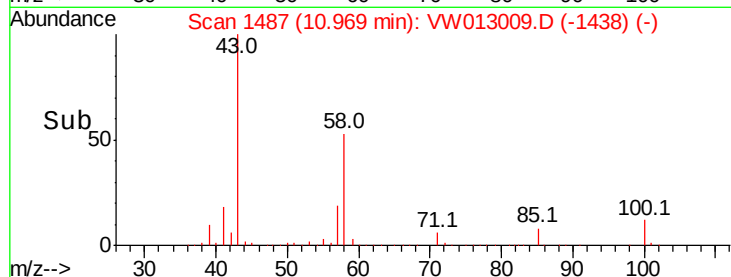
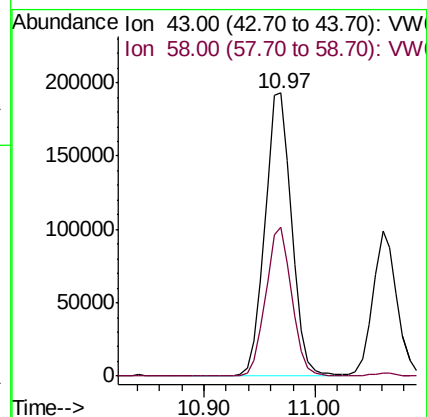
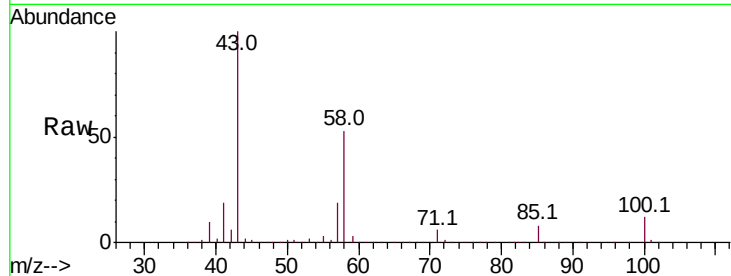
ClientSampled :

Tot Ion: 43 Resp: 323514

Ion Ratio Lower Upper

43 100

58 51.3 25.8 77.3



#60

Dibromochloromethane

Concen: 54.911 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013009.D

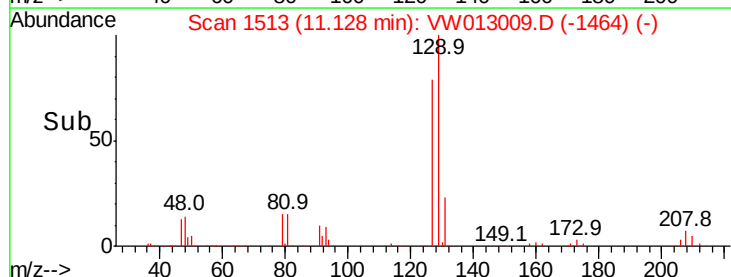
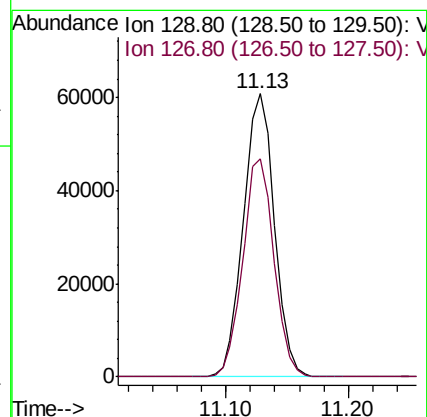
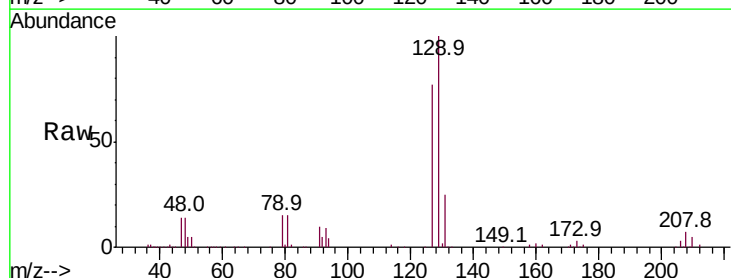
Acq: 14 Sep 2019 22:49

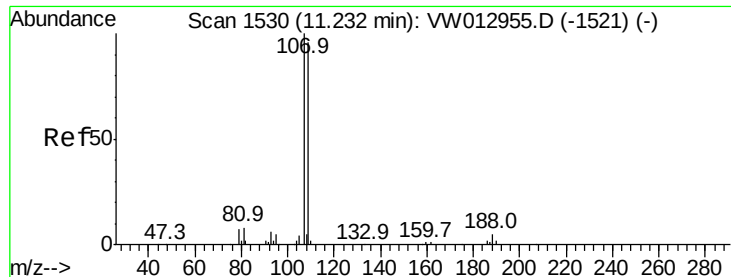
Tgt Ion: 129 Resp: 107093

Ion Ratio Lower Upper

129 100

127 77.2 37.4 112.2

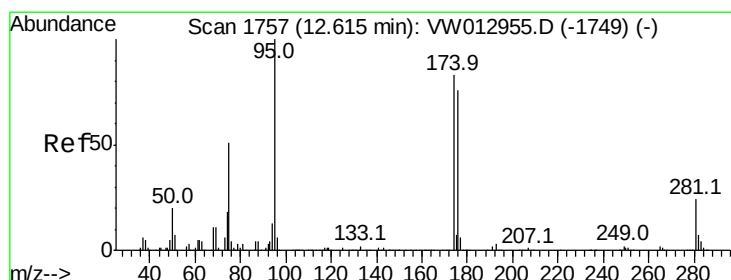
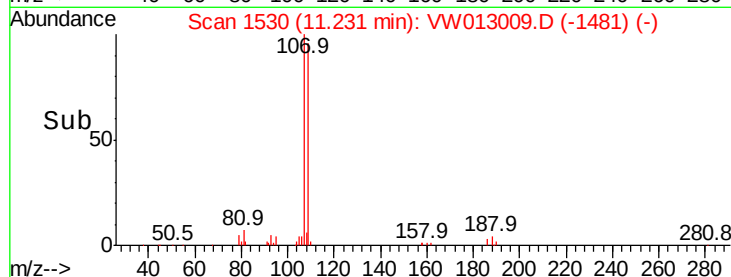
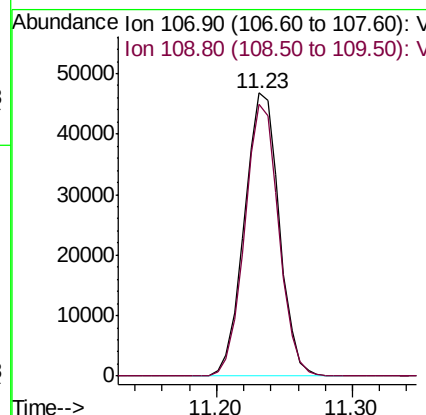
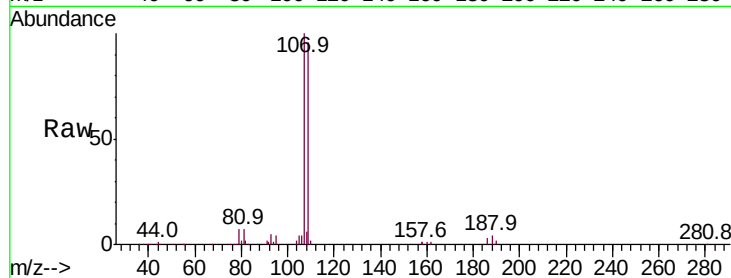




#61
 1,2-Dibromoethane
 Concen: 56.866 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

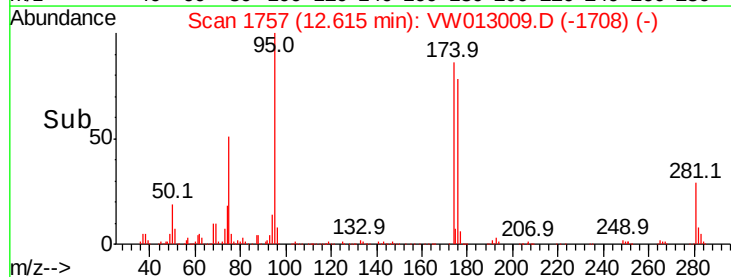
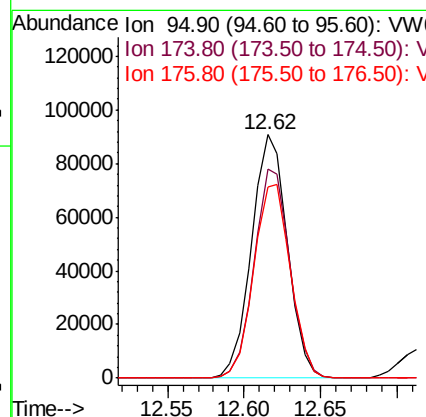
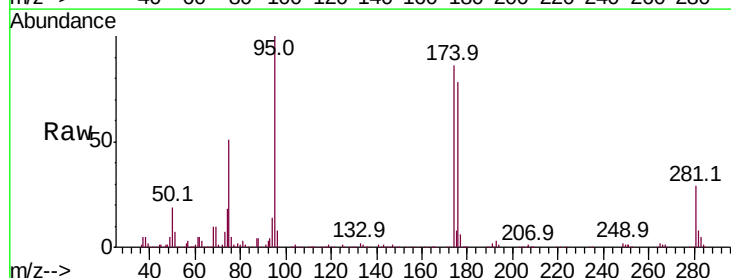
Instrument :
 MSVOA_W
 ClientSampled :

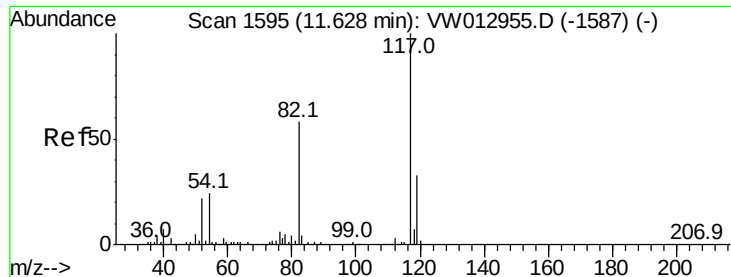
Tot Ion:107 Resp: 83682
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.835 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion: 95 Resp: 147585
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 170.4
 176 82.0 0.0 164.6

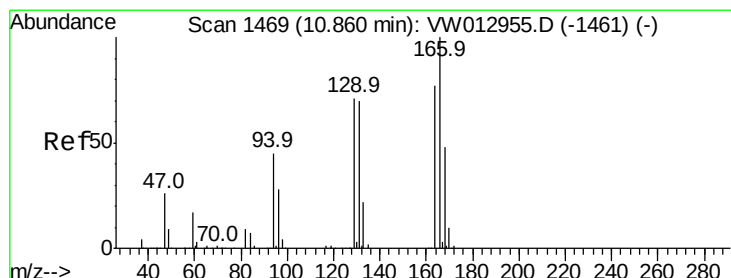
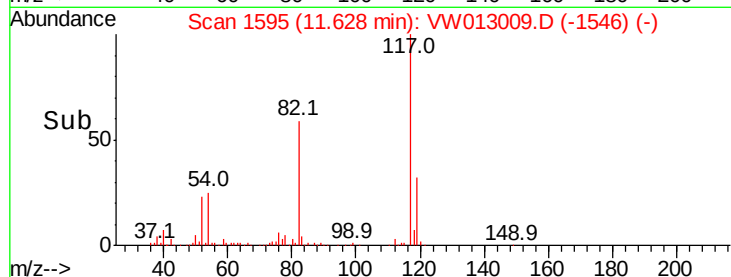
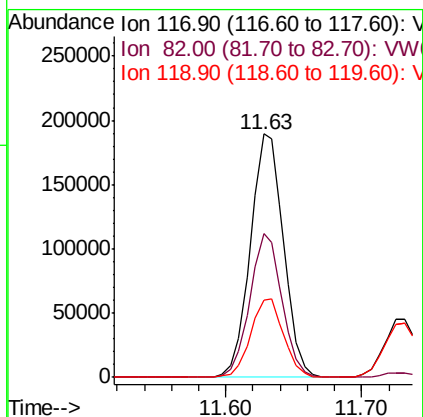
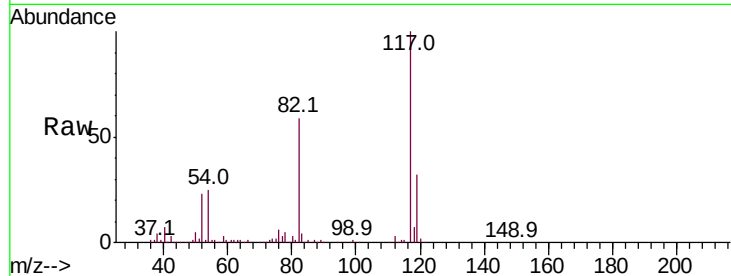




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

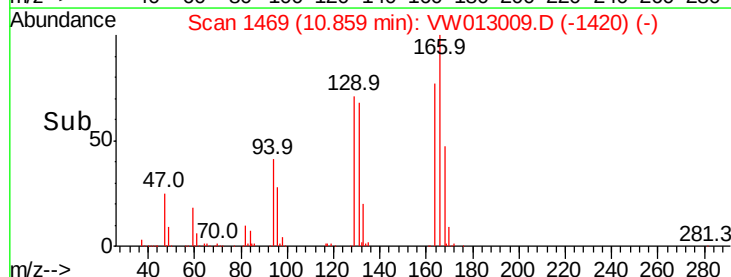
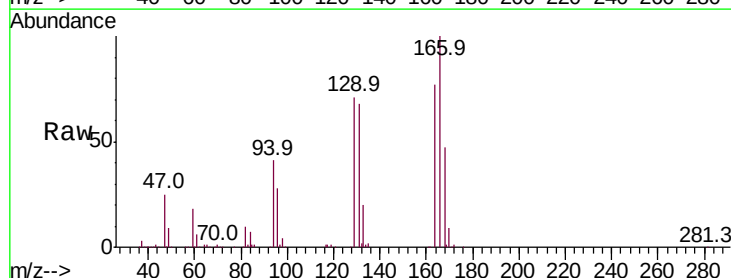
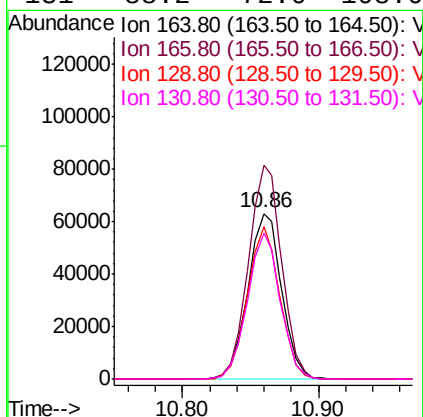
Instrument :
MSVOA_W
ClientSampleId :

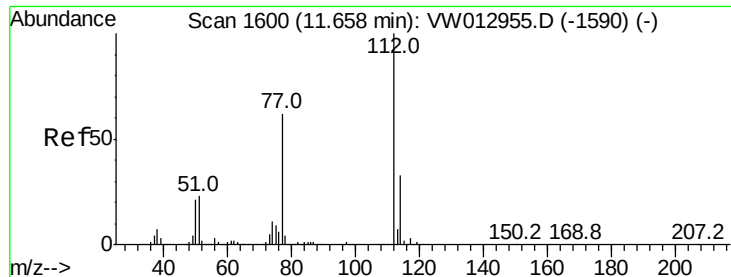
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	31.9	26.2	39.4



#64
Tetrachloroethene
Concen: 57.096 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.3	154.9
129	91.8	73.8	110.8
131	88.2	72.0	108.0

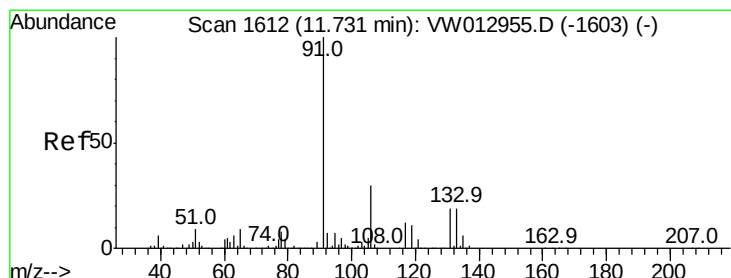
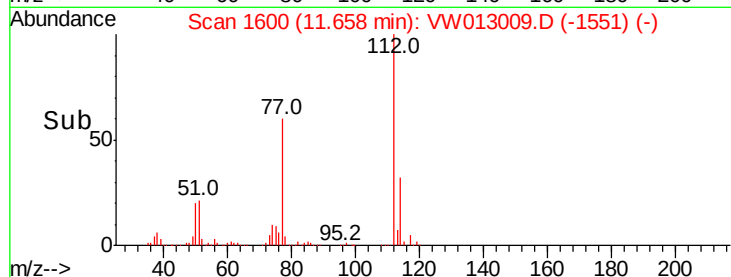
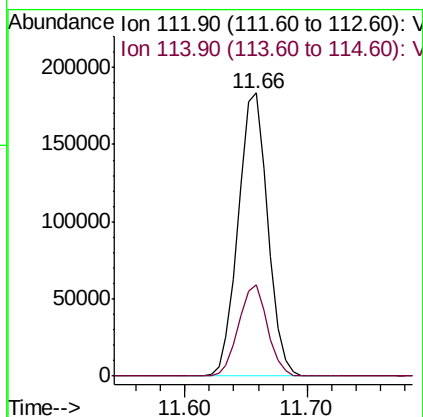
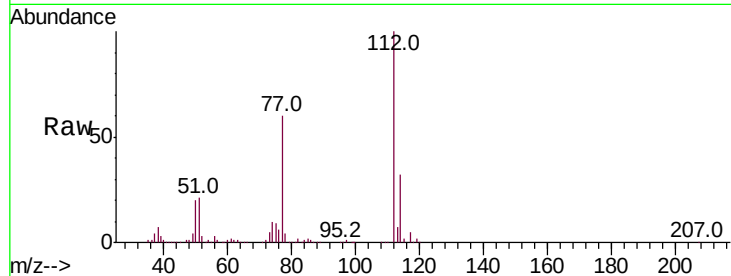




#65
Chlorobenzene
Concen: 53.215 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

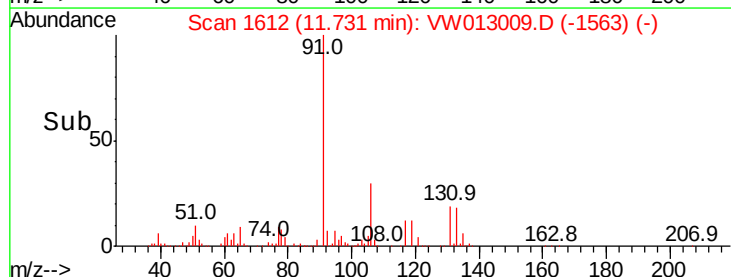
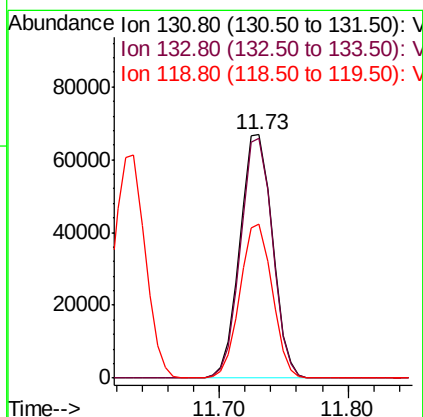
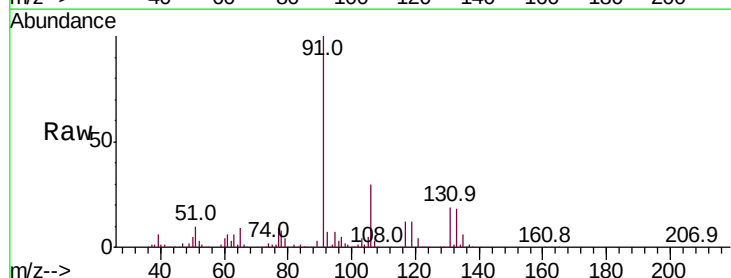
Instrument :
MSVOA_W
ClientSampleId :

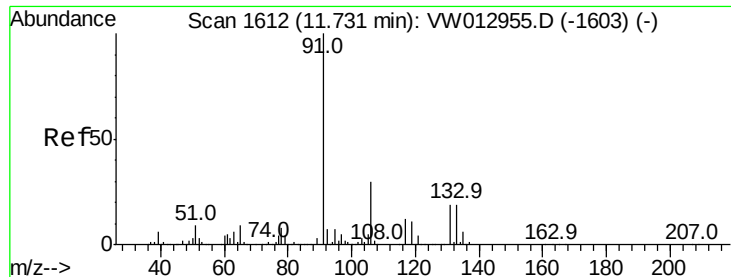
Tot Ion:112 Resp: 306597
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.076 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:131 Resp: 117187
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.8
119 62.6 30.9 92.7

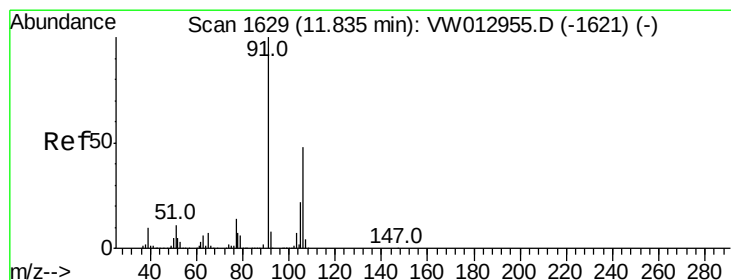
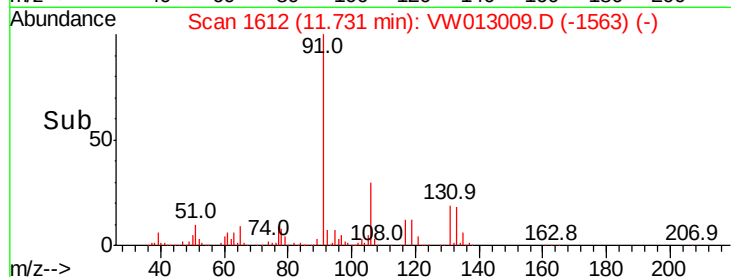
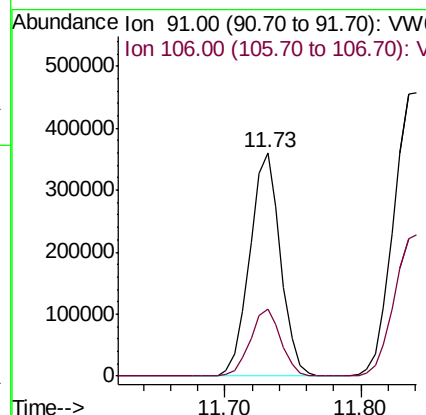
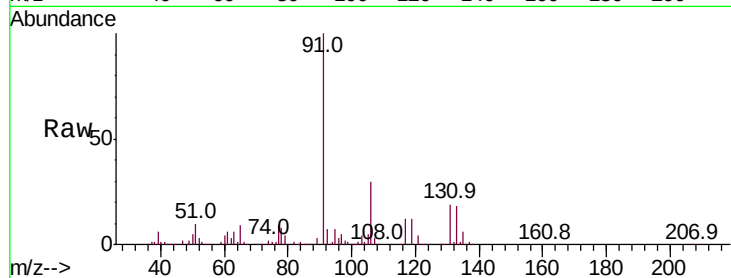




#67
Ethyl Benzene
Concen: 53.507 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

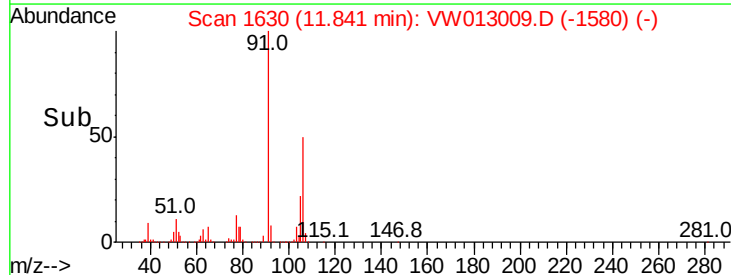
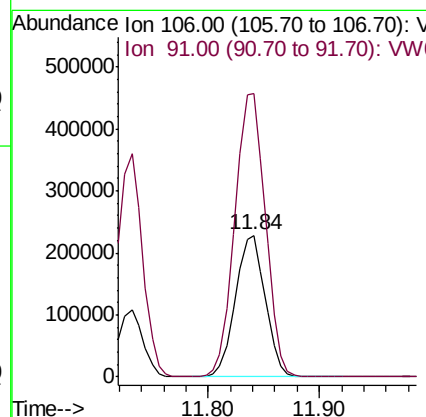
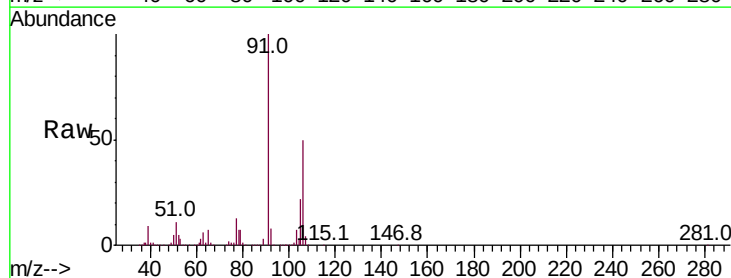
Instrument :
MSVOA_W
ClientSampleId :

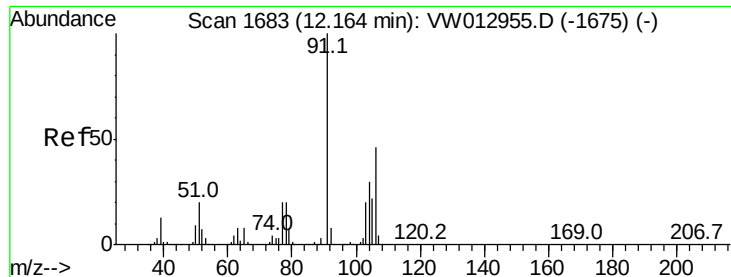
Tot Ion: 91 Resp: 569362
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 108.544 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 106 Resp: 421937
Ion Ratio Lower Upper
106 100
91 205.8 165.8 248.8

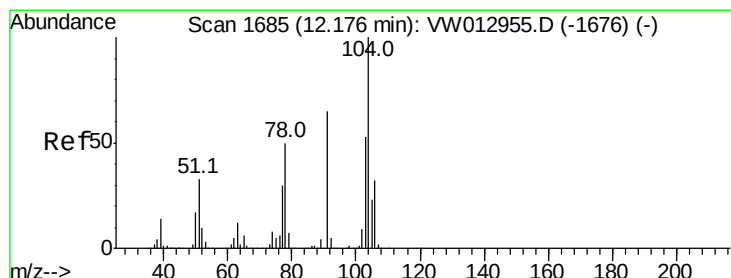
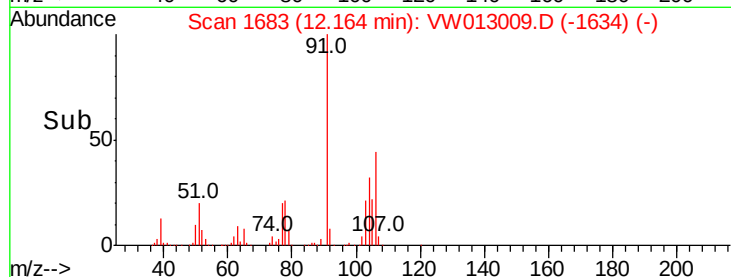
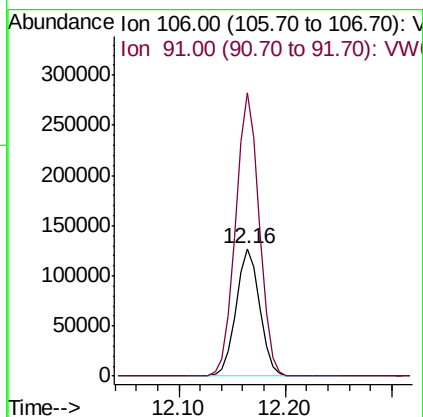
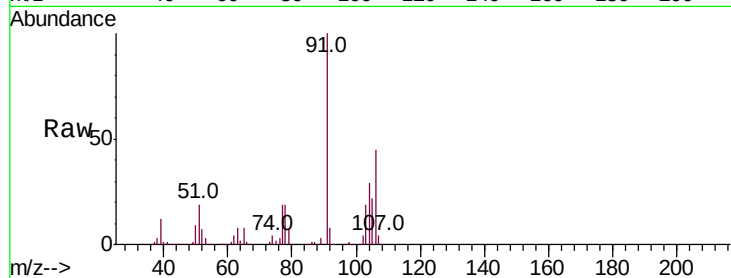




#69
o-Xylene
Concen: 54.434 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

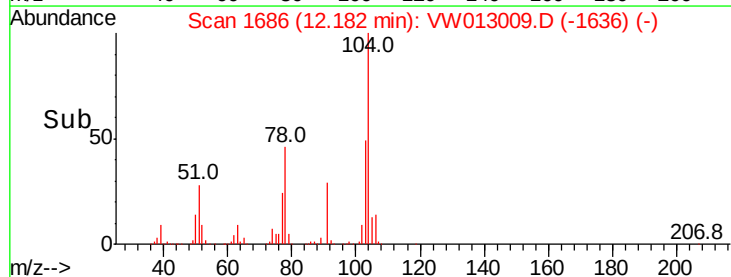
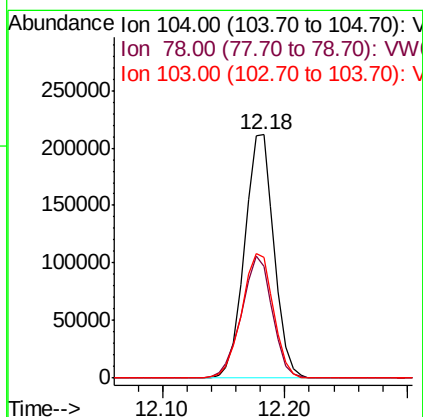
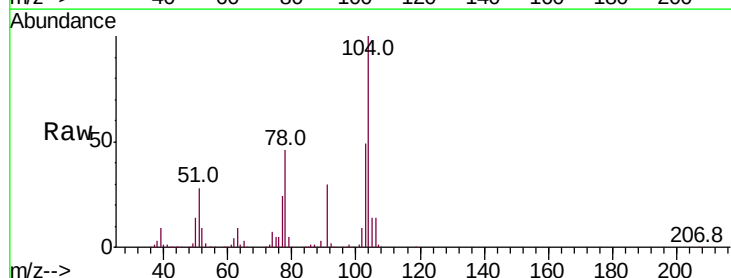
Instrument :
MSVOA_W
ClientSampled :

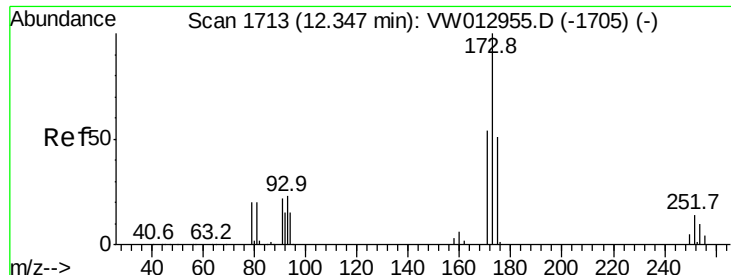
Tot Ion:106 Resp: 198378
Ion Ratio Lower Upper
106 100
91 221.9 109.7 329.0



#70
Styrene
Concen: 54.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion:104 Resp: 352921
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.2 44.2 66.4





#71

Bromoform

Concen: 57.601 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

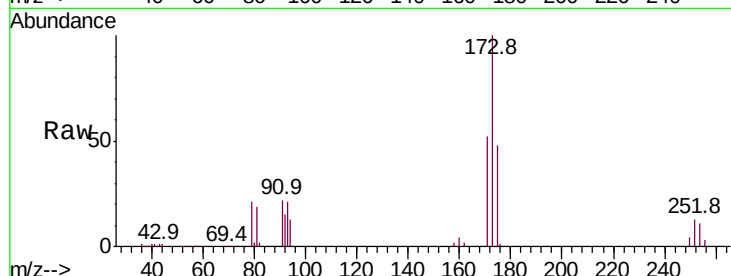
Tot Ion:173 Resp: 66803

Ion Ratio Lower Upper

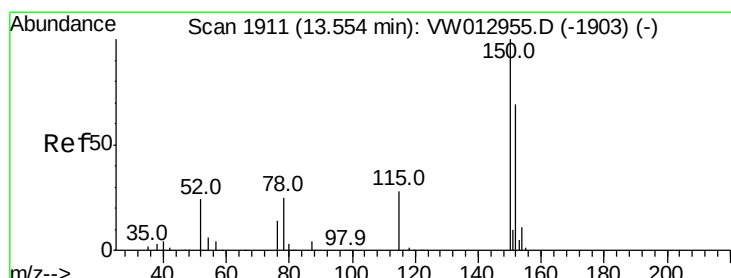
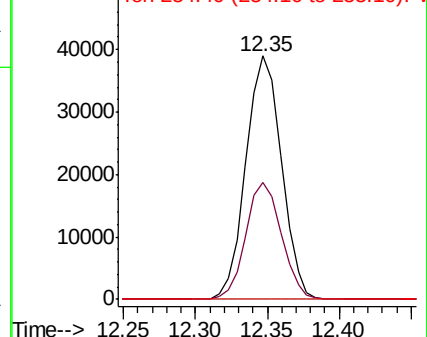
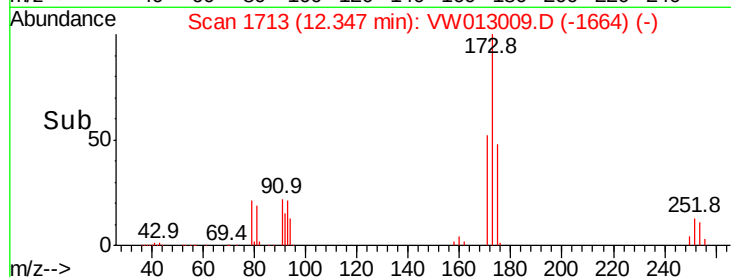
173 100

175 47.9 24.2 72.6

254 0.0 0.1 0.1#



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. 0.01 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

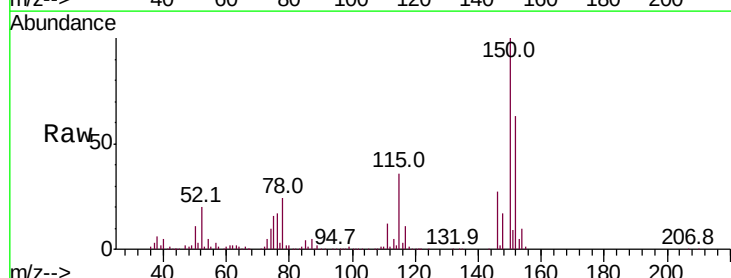
Tgt Ion:152 Resp: 162338

Ion Ratio Lower Upper

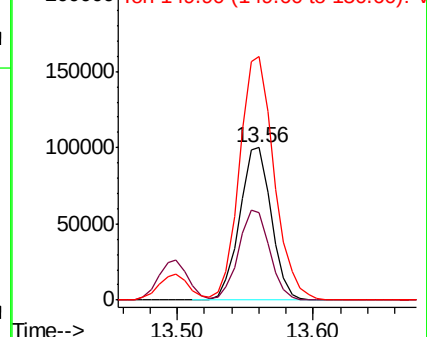
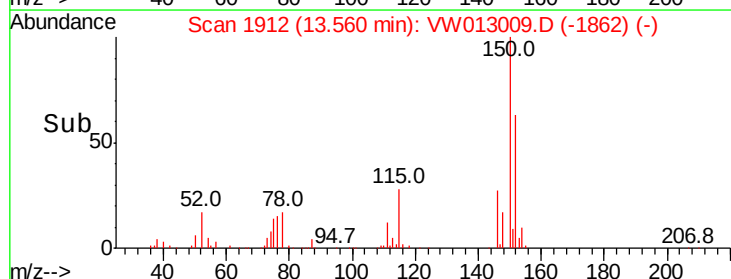
152 100

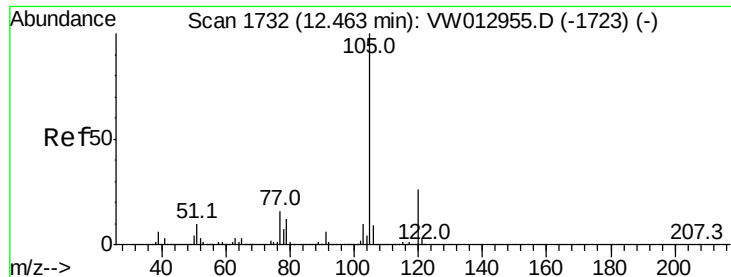
115 58.0 28.8 86.4

150 174.0 0.0 340.2



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: 53.236 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

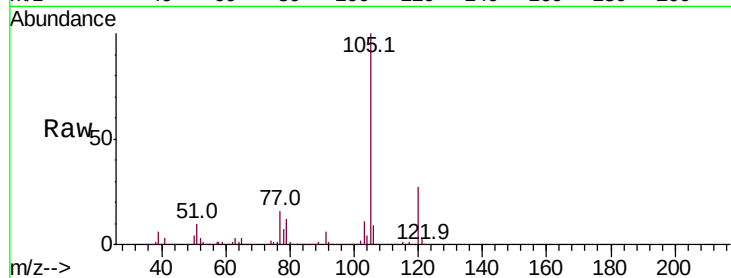
ClientSampleId :

Tot Ion:105 Resp: 572826

Ion Ratio Lower Upper

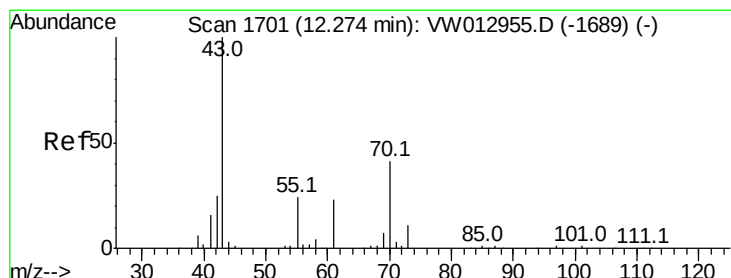
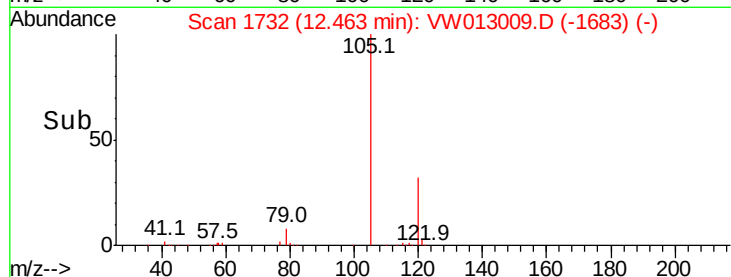
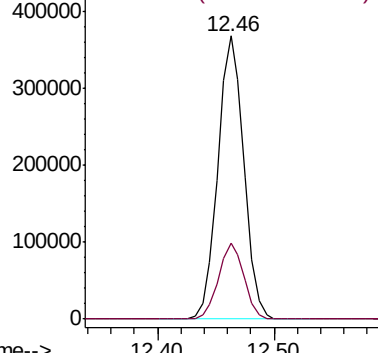
105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.801 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Tgt Ion: 43 Resp: 159990

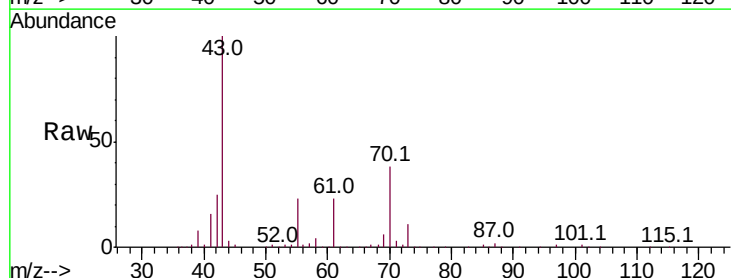
Ion Ratio Lower Upper

43 100

70 38.8 31.7 47.5

55 23.0 19.4 29.2

61 22.9 18.7 28.1

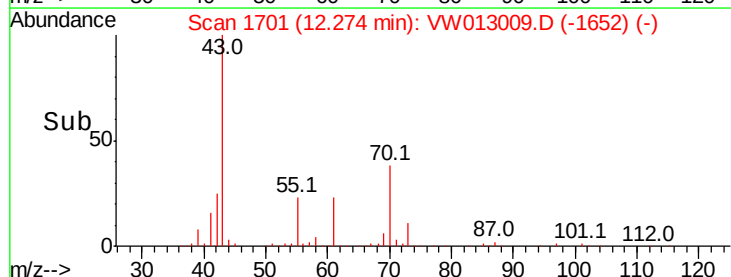
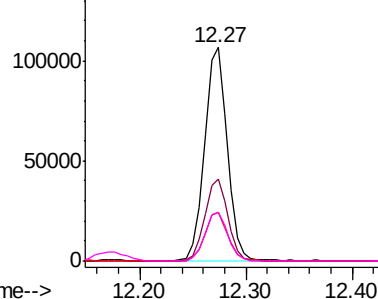


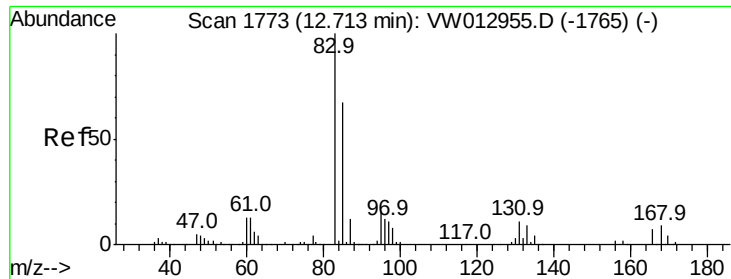
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 57.929 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

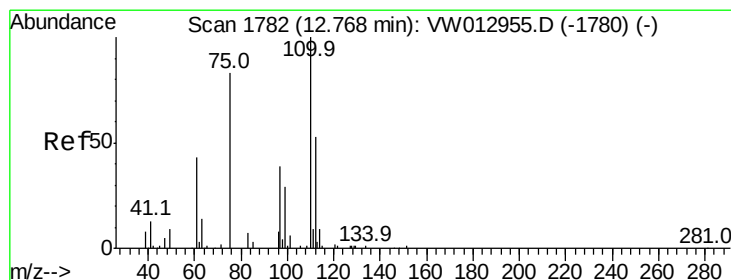
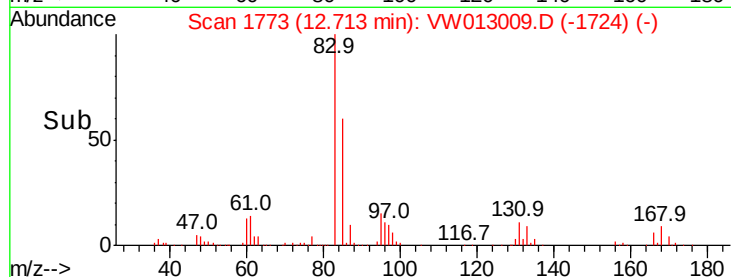
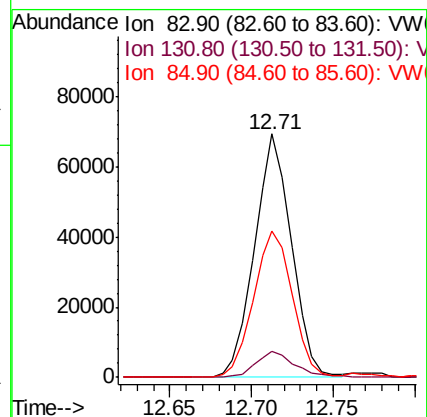
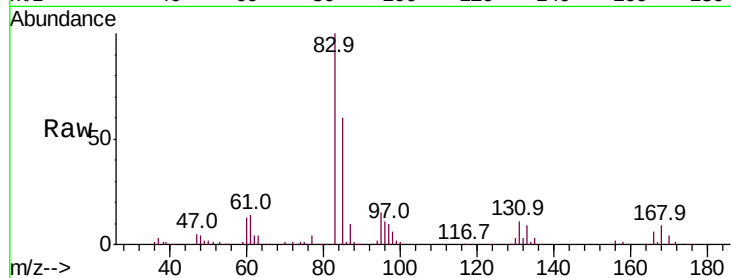
Tot Ion: 83 Resp: 109479

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

85 63.1 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 98.844 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013009.D

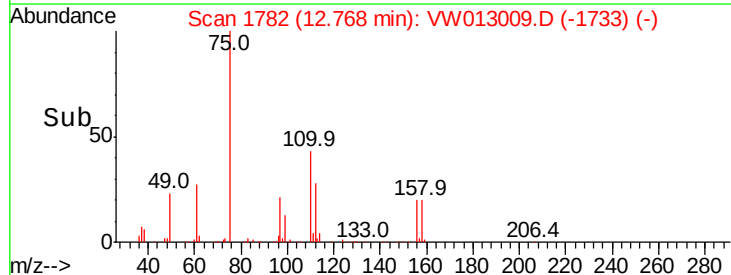
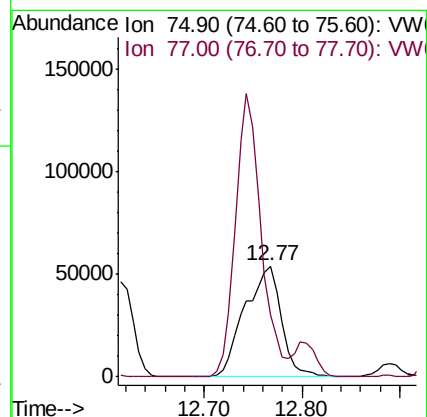
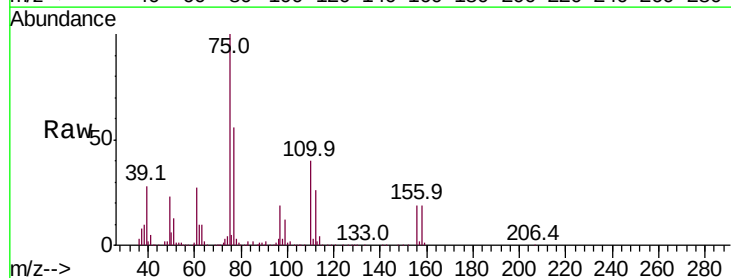
Acq: 14 Sep 2019 22:49

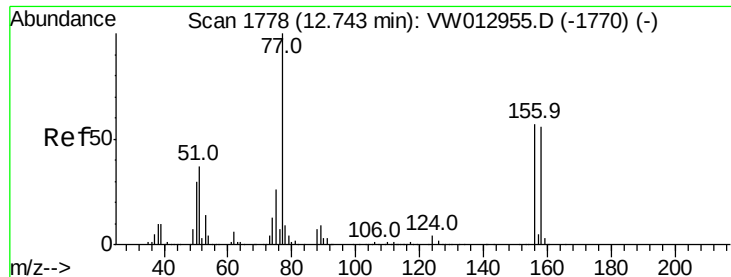
Tgt Ion: 75 Resp: 140551

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.531 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

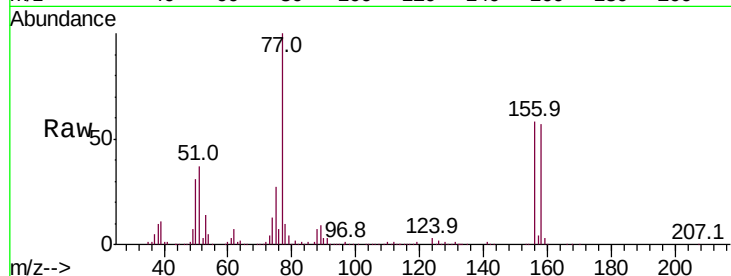
ClientSampled :

Tot Ion:156 Resp: 135177

Ion	Ratio	Lower	Upper
156	100		
77	188.0	95.2	285.6
158	97.1	49.0	147.2

77 188.0 95.2 285.6

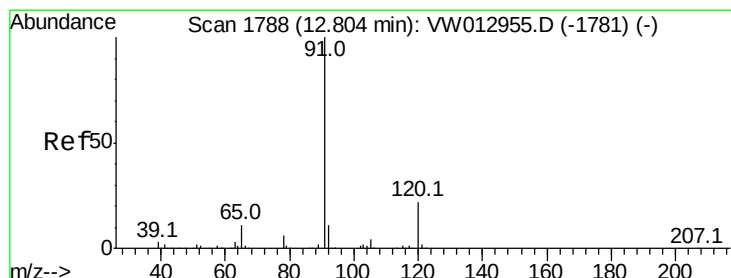
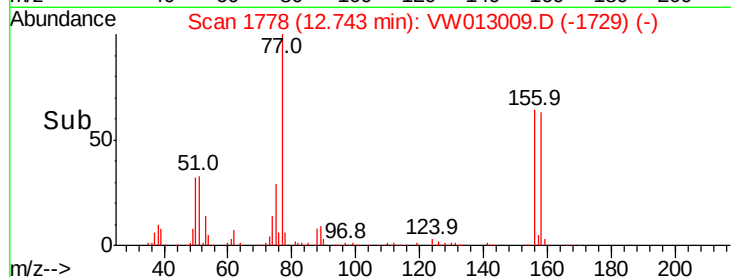
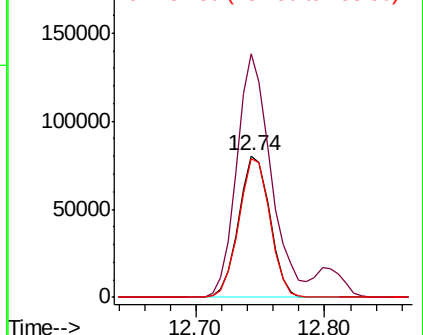
158 97.1 49.0 147.2



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: 53.847 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013009.D

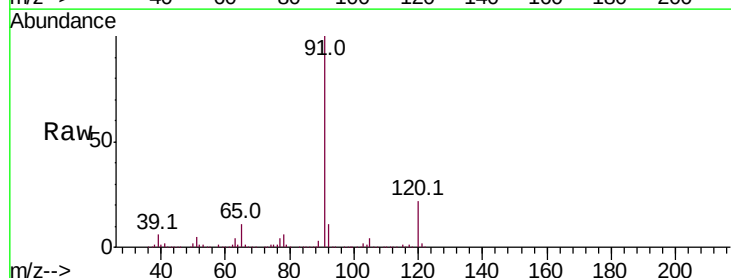
Acq: 14 Sep 2019 22:49

Tgt Ion: 91 Resp: 681560

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5

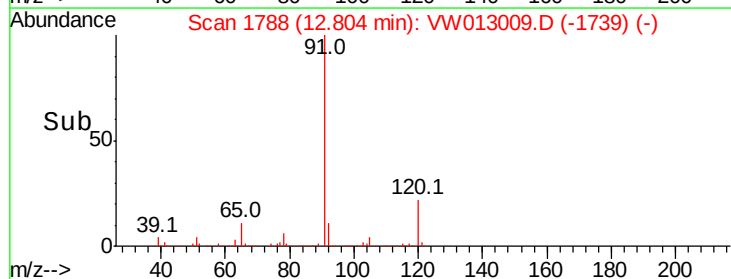
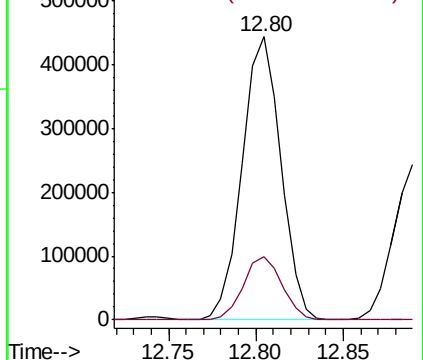
91 100

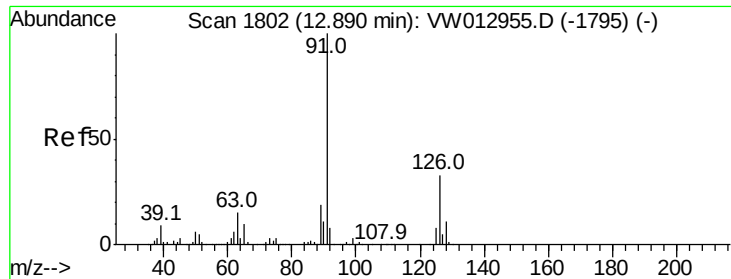
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.488 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

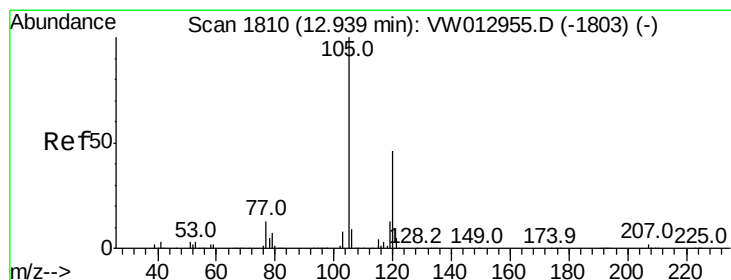
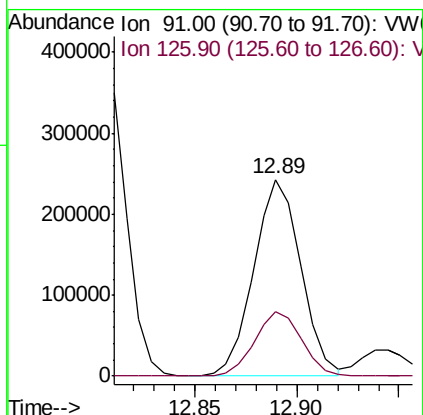
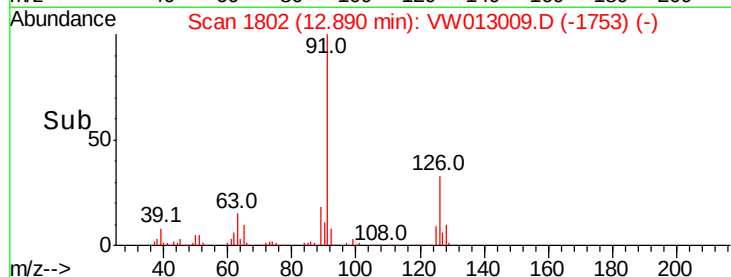
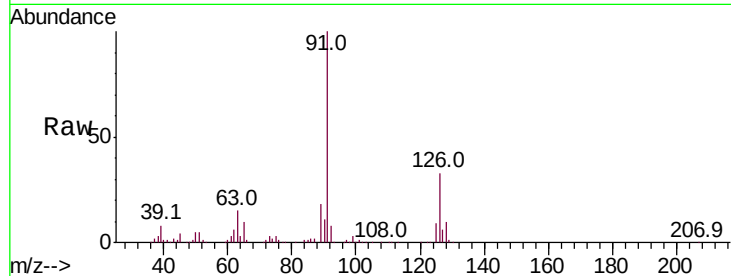
ClientSampleId :

Tot Ion: 91 Resp: 389182

Ion Ratio Lower Upper

91 100

126 33.0 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 53.512 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013009.D

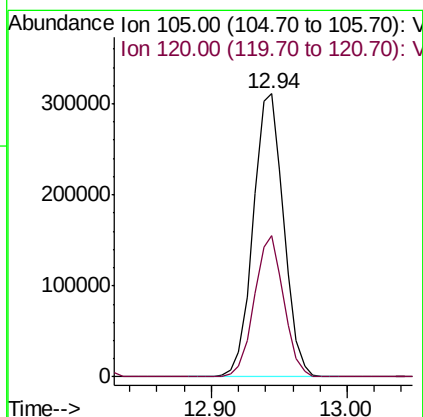
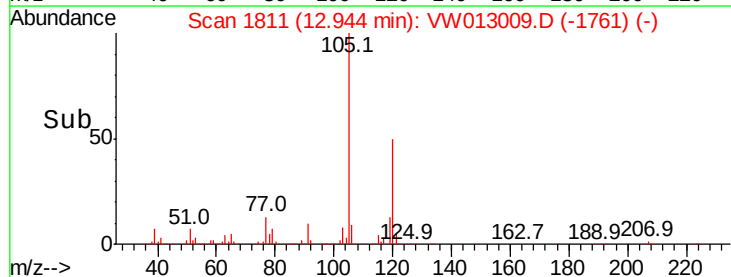
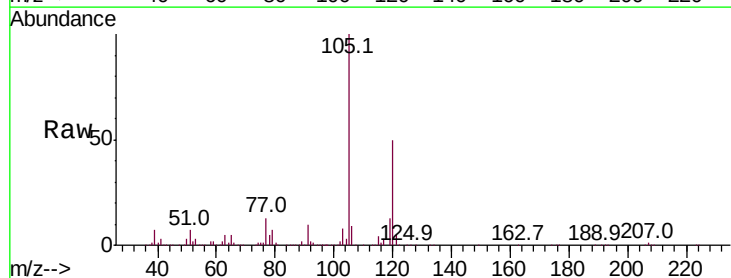
Acq: 14 Sep 2019 22:49

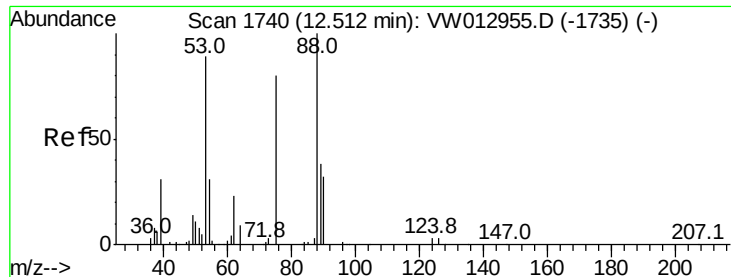
Tgt Ion:105 Resp: 487122

Ion Ratio Lower Upper

105 100

120 48.5 24.2 72.6

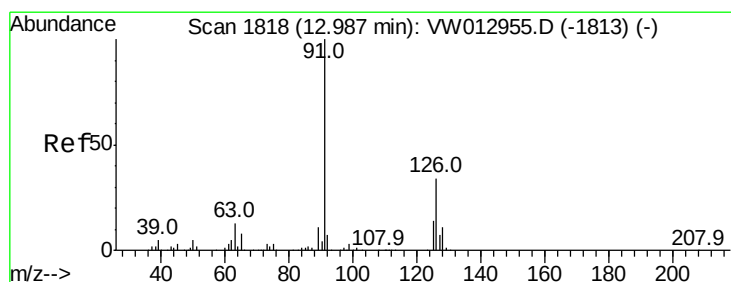
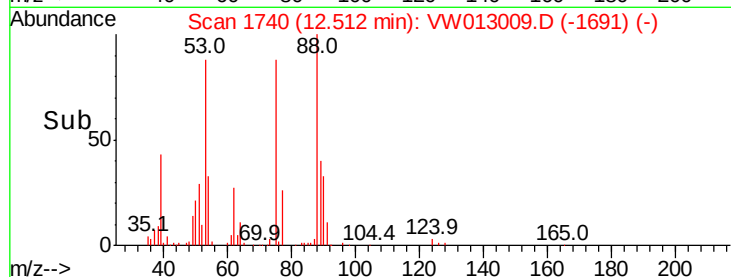
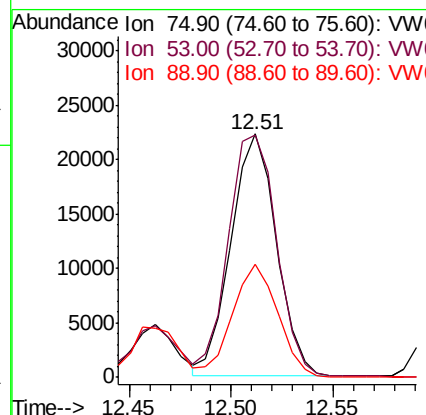
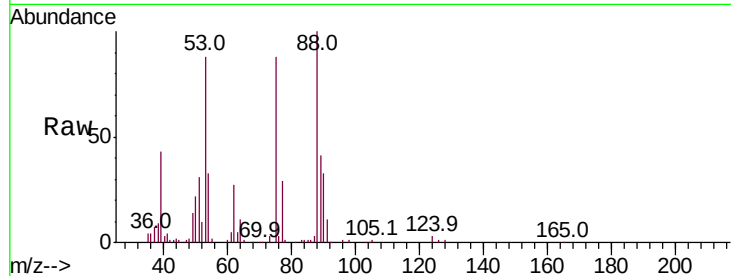




#81
trans-1,4-Dichloro-2-butene
Concen: 54.737 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

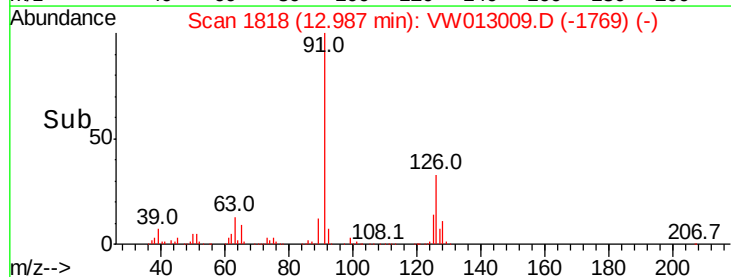
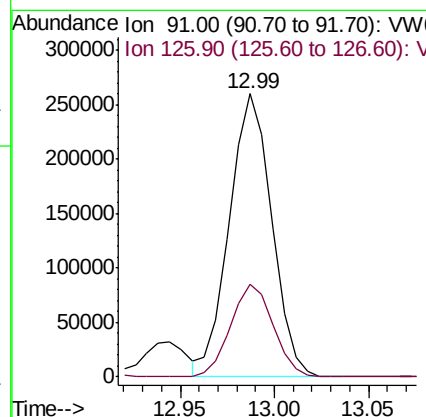
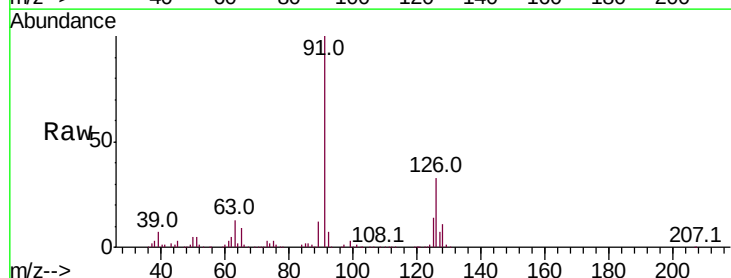
Instrument :
MSVOA_W
ClientSampleId :

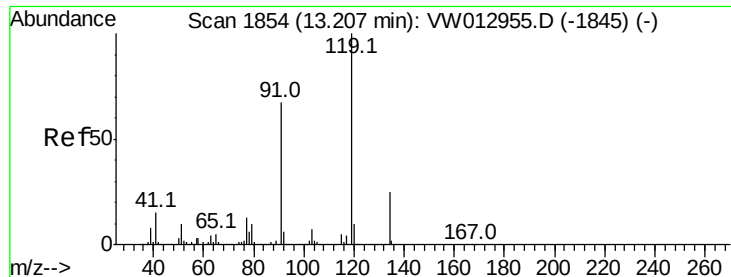
Tot Ion: 75 Resp: 34311
Ion Ratio Lower Upper
75 100
53 108.2 85.6 128.4
89 47.0 37.2 55.8



#82
4-Chlorotoluene
Concen: 52.867 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion: 91 Resp: 405867
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.3

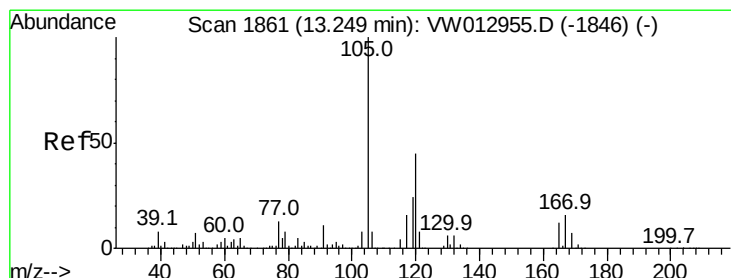
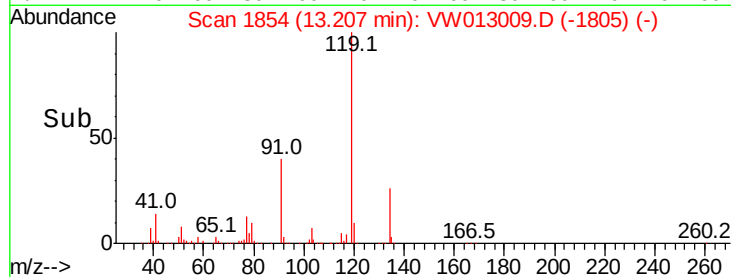
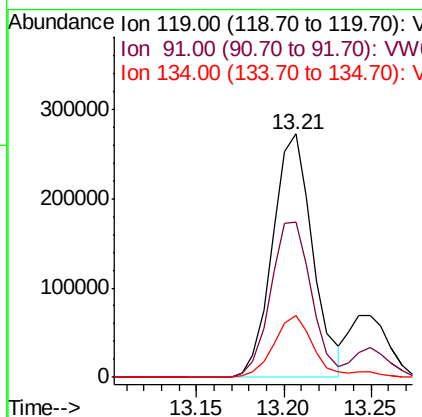
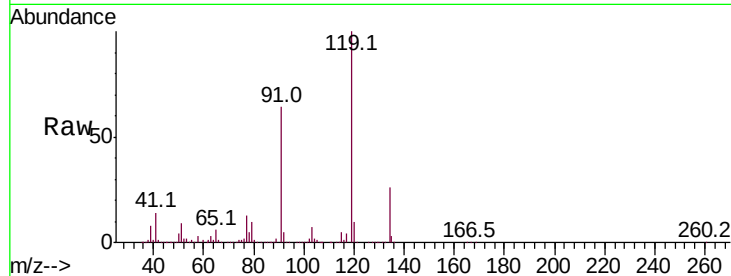




#83
 tert-Butylbenzene
 Concen: 53.502 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

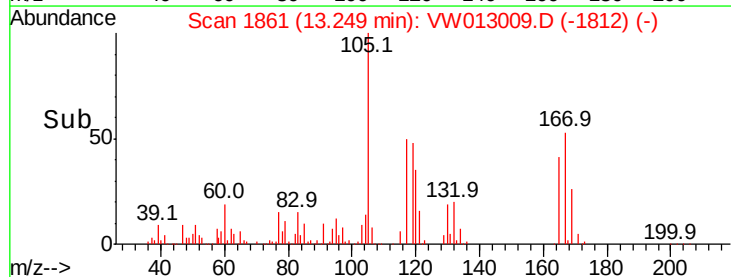
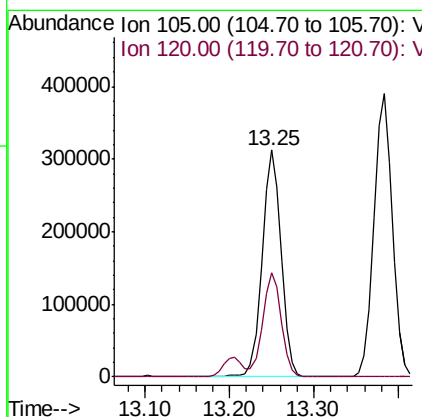
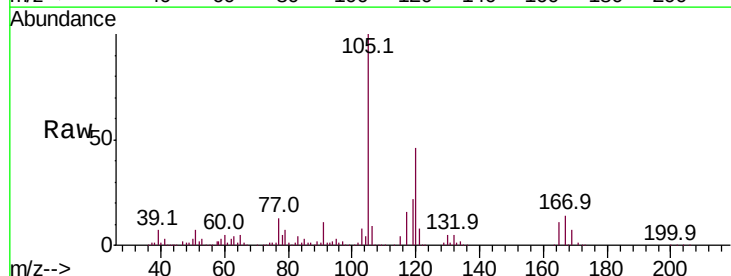
Instrument :
 MSVOA_W
 ClientSampled :

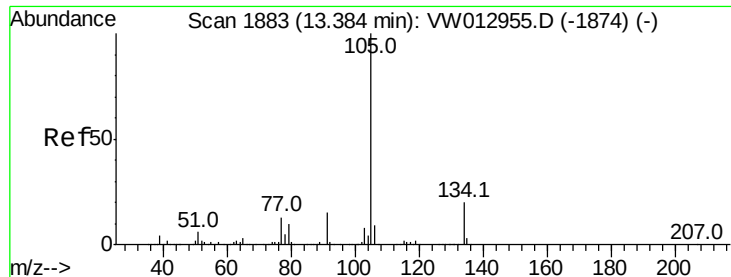
Tot Ion:119 Resp: 435637
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.6 98.0
 134 26.3 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.659 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion:105 Resp: 482686
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7

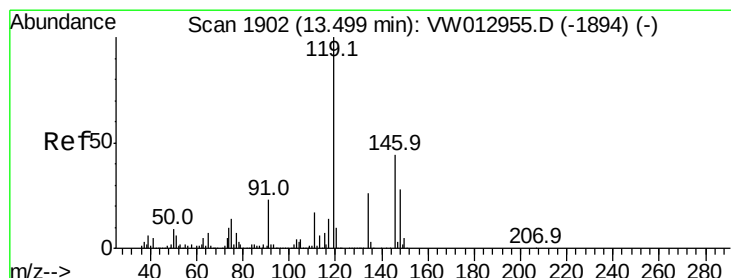
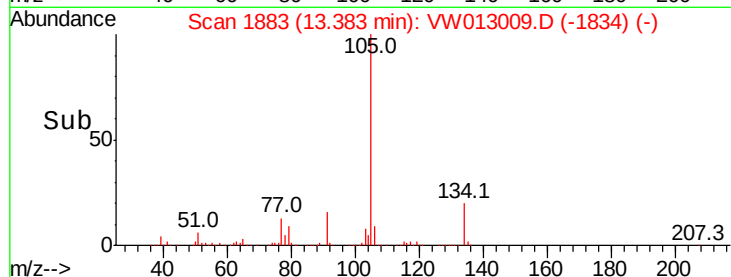
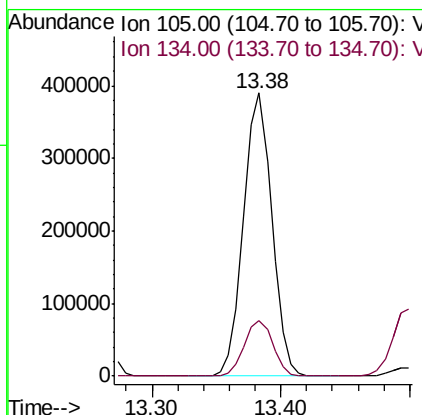
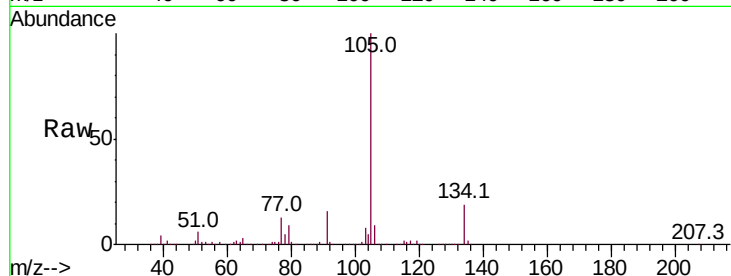




#85
 sec-Butylbenzene
 Concen: 53.380 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

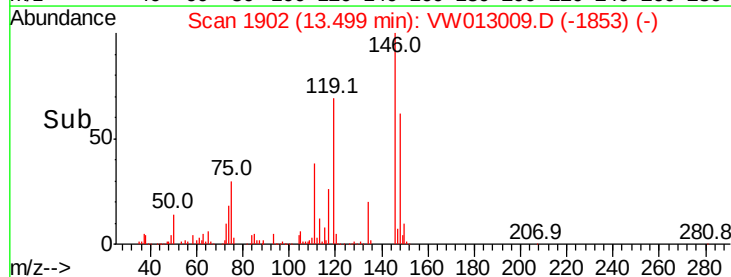
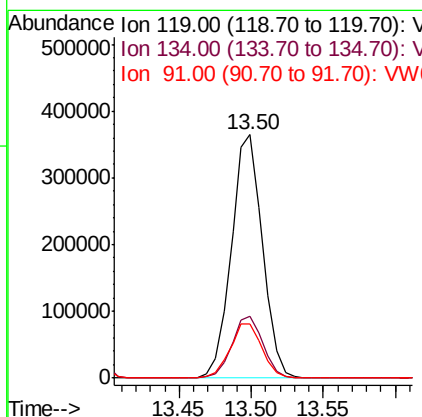
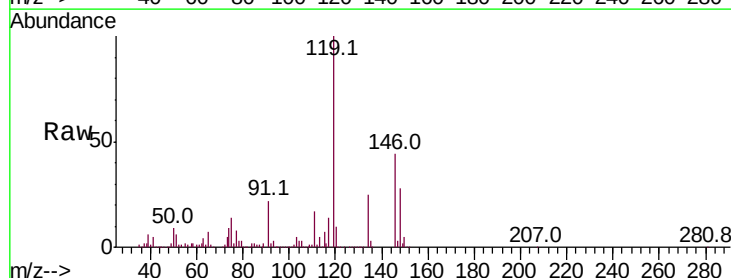
Instrument :
 MSVOA_W
 ClientSampled :

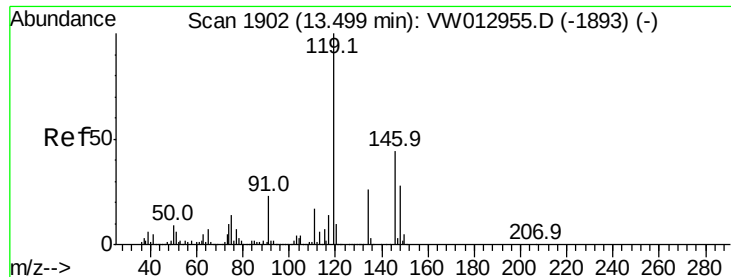
Tot Ion:105 Resp: 592175
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 53.772 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion:119 Resp: 547678
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 23.0 11.8 35.4

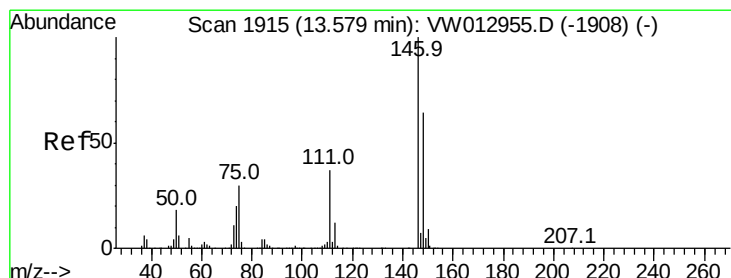
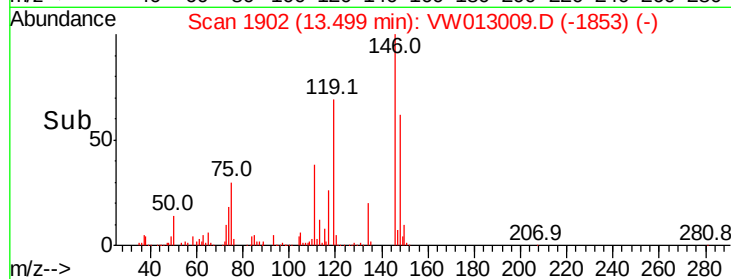
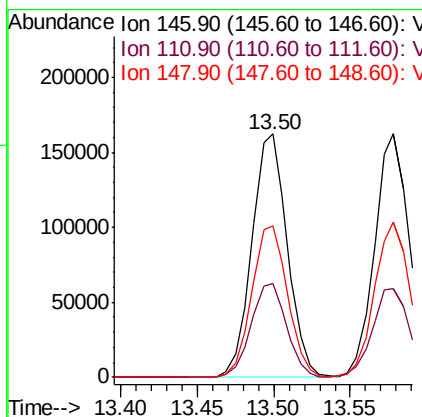
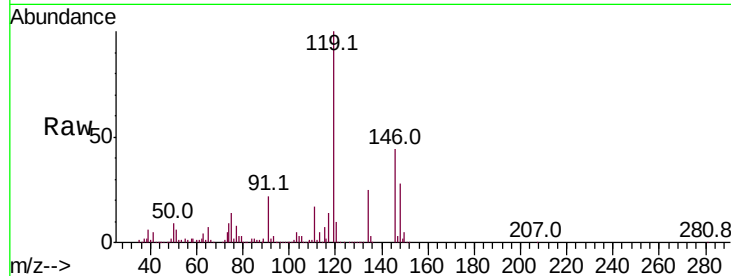




#87
 1,3-Dichlorobenzene
 Concen: 53.197 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

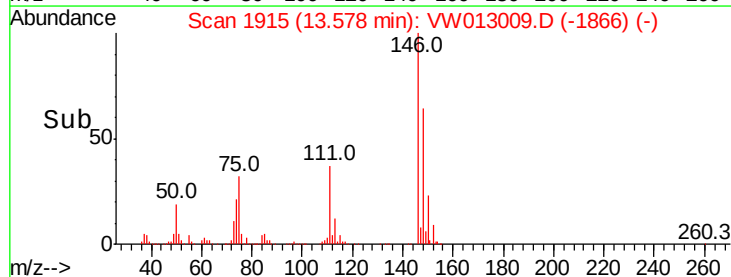
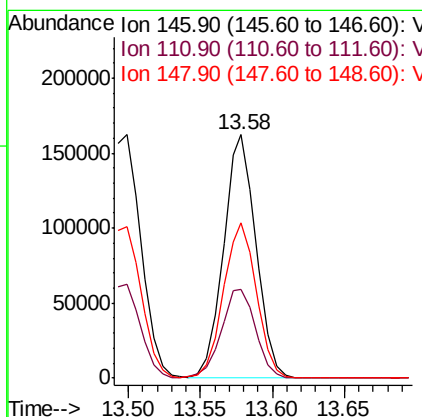
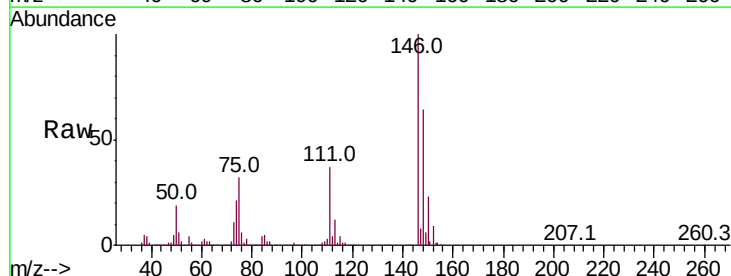
Instrument :
 MSVOA_W
 ClientSampleId :

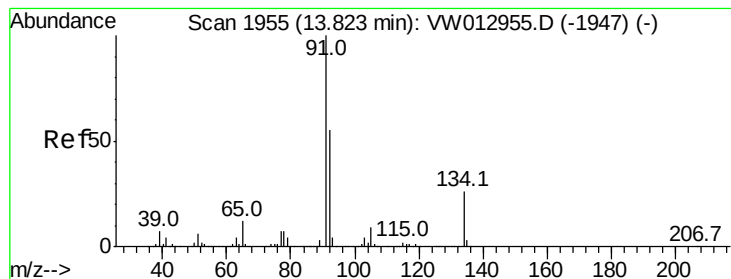
Tot Ion:146 Resp: 261049
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.8 59.4
 148 63.1 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 52.996 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion:146 Resp: 255562
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.2
 148 64.9 31.9 95.5





#89

n-Butylbenzene

Concen: 53.279 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013009.D

Acq: 14 Sep 2019 22:49

Instrument :

MSVOA_W

ClientSampleId :

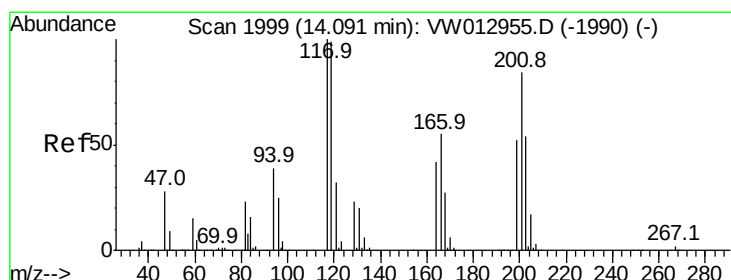
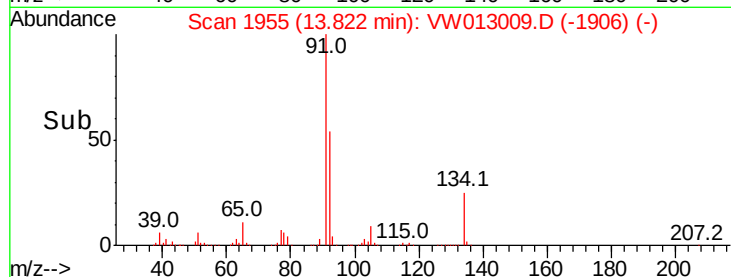
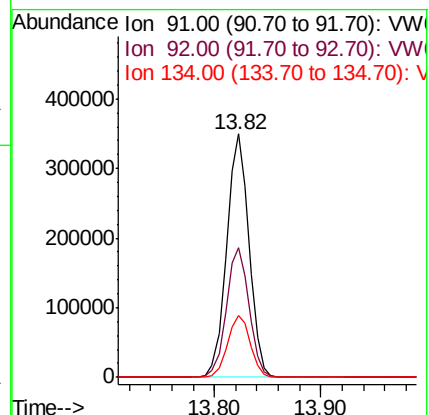
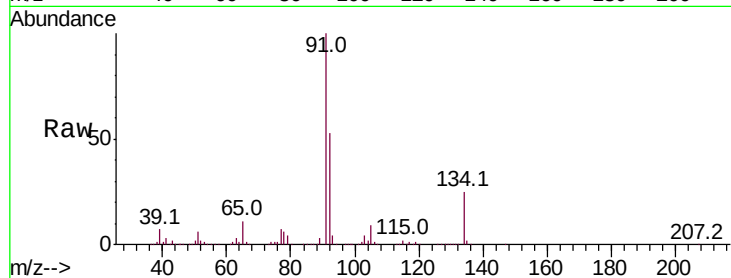
Tot Ion: 91 Resp: 511766

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.5

134 25.8 13.1 39.1



#90

Hexachloroethane

Concen: 53.486 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013009.D

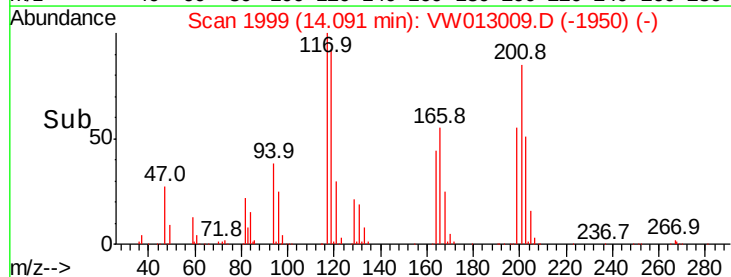
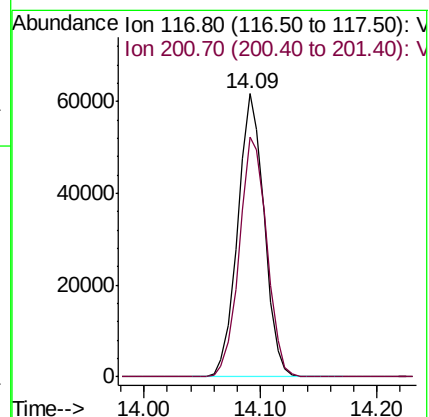
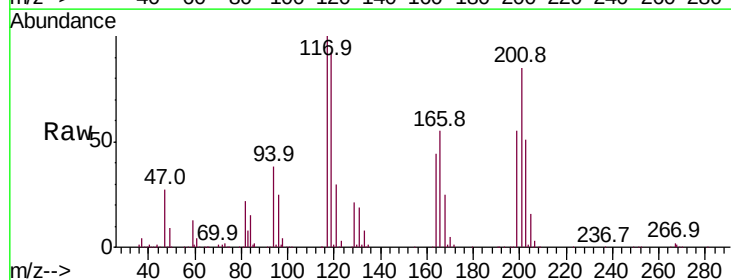
Acq: 14 Sep 2019 22:49

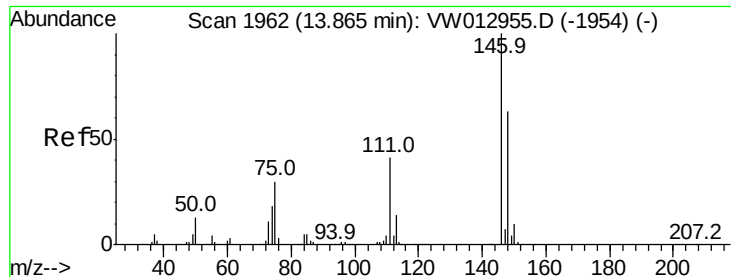
Tgt Ion: 117 Resp: 97625

Ion Ratio Lower Upper

117 100

201 88.0 45.3 135.9

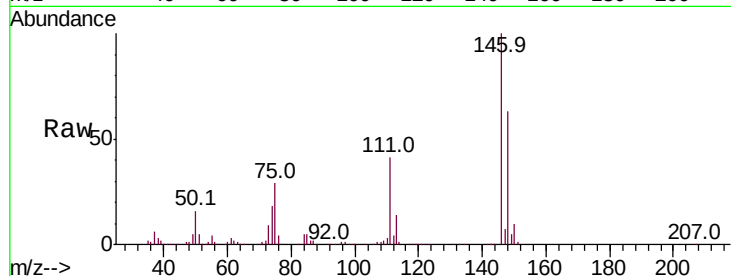




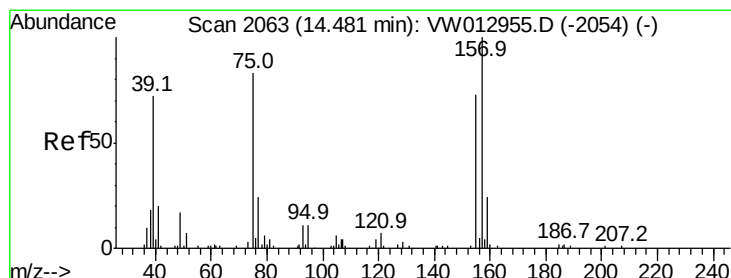
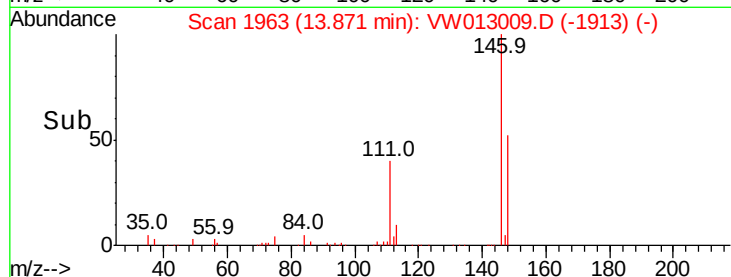
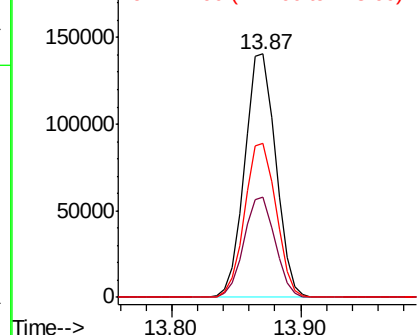
#91
 1,2-Dichlorobenzene
 Concen: 54.119 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	63.9	32.7	98.1

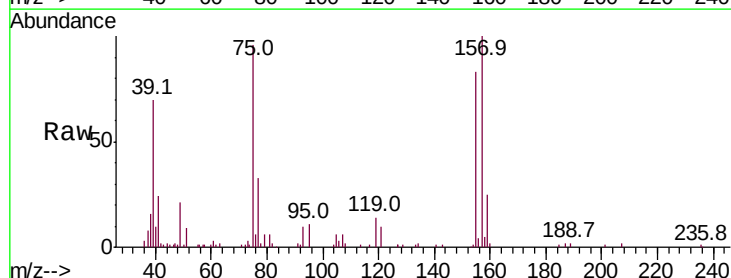


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

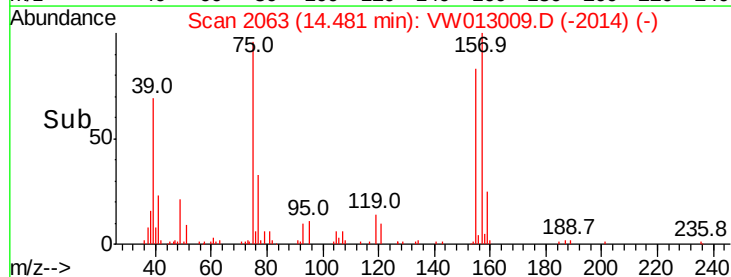
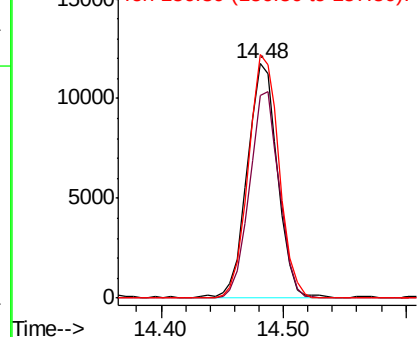


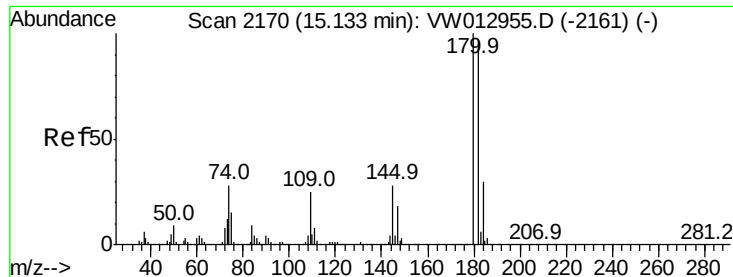
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.618 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	43.3	129.9
157	103.9	54.7	164.1



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

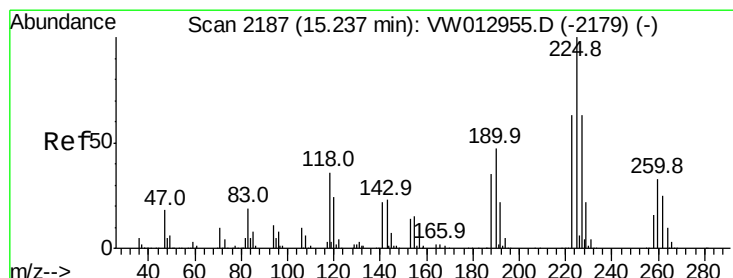
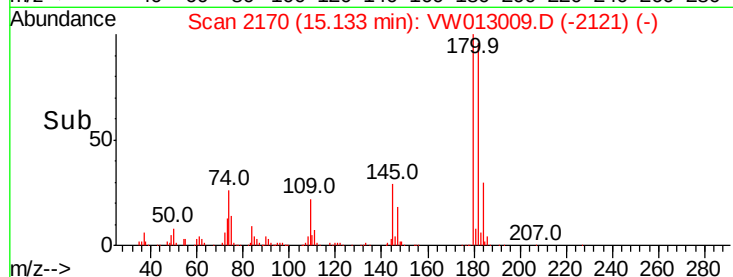
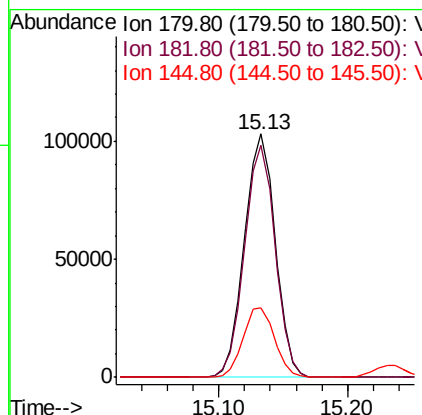
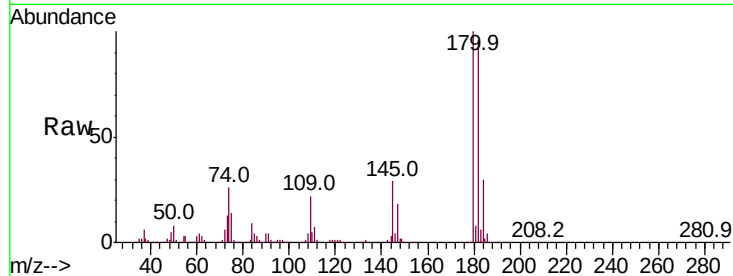




#93
 1,2,4-Trichlorobenzene
 Concen: 55.500 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

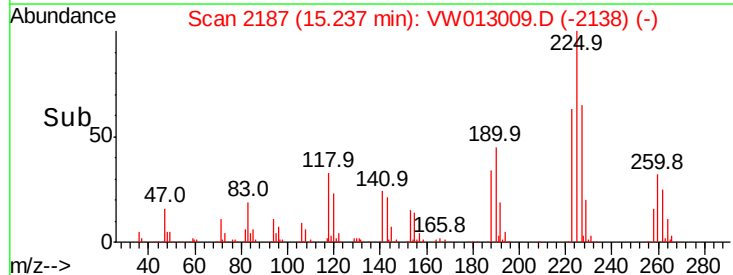
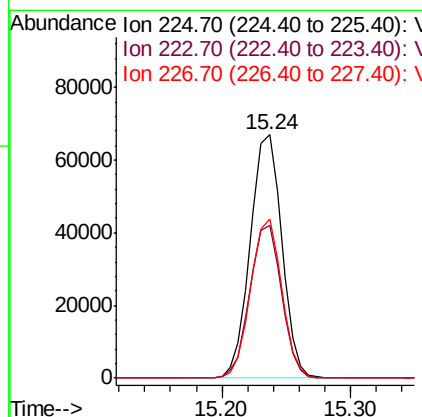
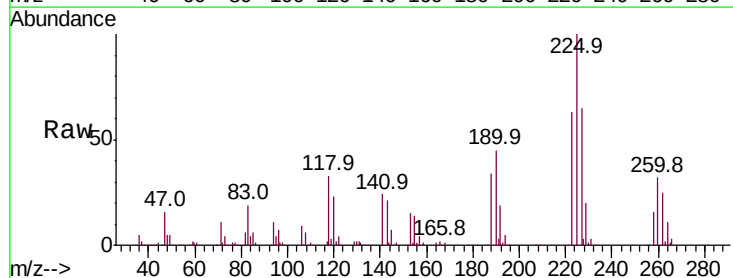
Instrument :
 MSVOA_W
 ClientSampleId :

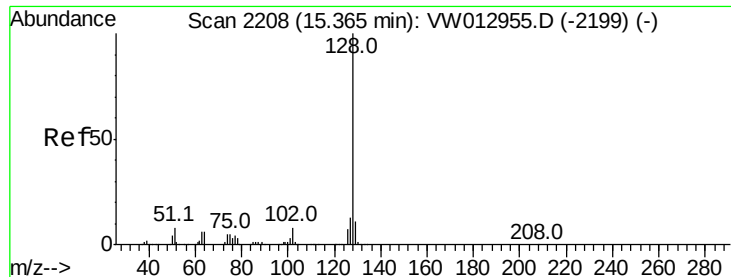
Tot Ion	Ratio	Resp	Lower	Upper
180	100	170806		
182	94.6		47.4	142.2
145	29.3		14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 52.031 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013009.D
 Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113360		
223	63.0		31.8	95.3
227	64.3		31.3	93.8

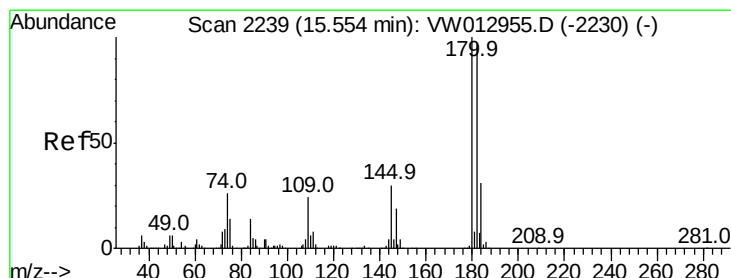
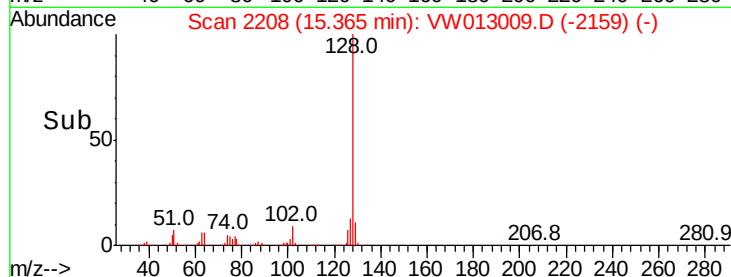
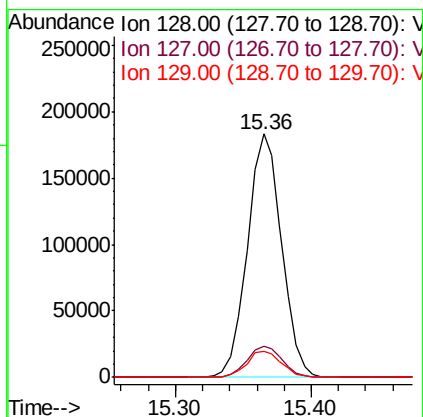
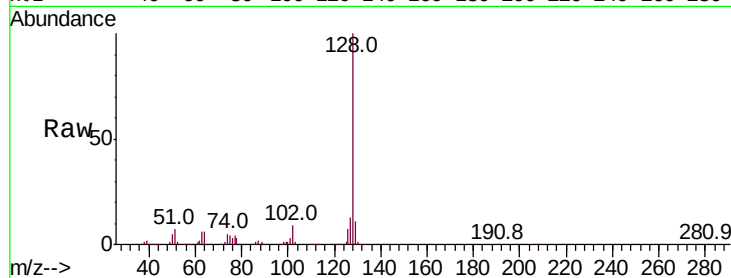




#95
Naphthalene
Concen: 62.619 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.857 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013009.D
Acq: 14 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	30.5	15.4	46.2

