

Data File : VW013107.D
Acq On : 18 Sep 2019 12:35
Operator : SY/VA
Sample : VW0918SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

Quant Time: Sep 19 07:52:49 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	366214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	234050	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140349	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	
35) Dibromofluoromethane	7.88	113	135232	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
50) Toluene-d8	10.32	98	552488	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.62	95	188197	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	32749	20.743	ug/l	96
3) Chloromethane	2.21	50	38878	19.057	ug/l	99
4) Vinyl Chloride	2.36	62	52102	19.877	ug/l	98
5) Bromomethane	2.77	94	32448	20.270	ug/l	98
6) Chloroethane	2.91	64	30800	19.158	ug/l	99
7) Trichlorofluoromethane	3.25	101	31834	17.367	ug/l	99
8) Diethyl Ether	3.68	74	30129	21.050	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57408	20.649	ug/l	99
10) Methyl Iodide	4.28	142	75380	21.665	ug/l	97
11) Tert butyl alcohol	5.18	59	23524	89.261	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	53887	21.318	ug/l	97
13) Acrolein	3.89	56	21220	80.350	ug/l	96
14) Allyl chloride	4.66	41	91321	19.030	ug/l	92
15) Acrylonitrile	5.37	53	72838	99.639	ug/l	98
16) Acetone	4.12	43	62694	71.465	ug/l	94
17) Carbon Disulfide	4.38	76	103437	20.533	ug/l	97
18) Methyl Acetate	4.67	43	38201	19.825	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	98888	19.818	ug/l	100
20) Methylene Chloride	4.92	84	61843	19.465	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	55502	20.500	ug/l	93
22) Diisopropyl ether	6.31	45	197234	19.784	ug/l	99
23) Vinyl Acetate	6.25	43	560369	93.848	ug/l	95
24) 1,1-Dichloroethane	6.21	63	112407	19.556	ug/l	97
25) 2-Butanone	7.17	43	98348	91.446	ug/l	94
26) 2,2-Dichloropropane	7.16	77	74163	17.513	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	67606	20.857	ug/l	93
28) Bromochloromethane	7.51	49	44314	18.317	ug/l	91
29) Tetrahydrofuran	7.53	42	58363	95.242	ug/l	97
30) Chloroform	7.67	83	112603	19.280	ug/l	96
31) Cyclohexane	7.95	56	97836	20.135	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	87072	18.103	ug/l	98
36) 1,1-Dichloropropene	8.08	75	83760	19.296	ug/l	97
37) Ethyl Acetate	7.25	43	40731	17.678	ug/l #	94
38) Carbon Tetrachloride	8.07	117	79594	17.893	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99289	20.874	ug/l	98
40) Benzene	8.32	78	246206	20.317	ug/l	100
41) Methacrylonitrile	7.48	41	24411	16.088	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	70182	17.277	ug/l	94
43) Isopropyl Acetate	8.42	43	78612	17.770	ug/l	97
44) Trichloroethene	9.09	130	68411	20.610	ug/l	87
45) 1,2-Dichloropropane	9.37	63	64494	20.031	ug/l	98
46) Dibromomethane	9.46	93	31060	20.136	ug/l	98
47) Bromodichloromethane	9.64	83	79706	18.422	ug/l	100
48) Methyl methacrylate	9.43	41	36723	17.687	ug/l	91
49) 1,4-Dioxane	9.46	88	9531	368.749	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	210586	92.202	ug/l	96
52) Toluene	10.38	92	157426	20.444	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	81215	18.664	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	95562	19.193	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	48359	20.579	ug/l	97
56) Ethyl methacrylate	10.65	69	61599	19.475	ug/l	93
57) 1,3-Dichloropropane	10.93	76	83598	20.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	169753	100.048	ug/l	98
59) 2-Hexanone	10.97	43	141756	89.135	ug/l	93
60) Dibromochloromethane	11.13	129	54330	19.124	ug/l	97
61) 1,2-Dibromoethane	11.23	107	42652	19.897	ug/l	96
64) Tetrachloroethene	10.86	164	55841	20.260	ug/l	94
65) Chlorobenzene	11.65	112	170039	20.604	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	62190	19.664	ug/l	99
67) Ethyl Benzene	11.73	91	309399	20.300	ug/l	96
68) m/p-Xylenes	11.84	106	231755	41.623	ug/l	96
69) o-Xylene	12.16	106	109434	20.964	ug/l	96
70) Styrene	12.18	104	190694	20.536	ug/l	97
71) Bromoform	12.35	173	31272	18.825	ug/l #	96
73) Isopropylbenzene	12.46	105	313277	20.194	ug/l	99
74) N-amyl acetate	12.27	43	71461	17.907	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	55730	20.453	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	69401	33.853	ug/l #	100
77) Bromobenzene	12.74	156	73405	20.539	ug/l	94
78) n-propylbenzene	12.80	91	364390	19.968	ug/l	98
79) 2-Chlorotoluene	12.89	91	207988	19.827	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	261722	19.942	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17365	19.215	ug/l	92
82) 4-Chlorotoluene	12.99	91	216294	19.542	ug/l	96
83) tert-Butylbenzene	13.21	119	234657	19.989	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	263358	20.307	ug/l	96
85) sec-Butylbenzene	13.38	105	320958	20.067	ug/l	100
86) p-Isopropyltoluene	13.50	119	297193	20.239	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	141859	20.051	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	145032	20.860	ug/l	99
89) n-Butylbenzene	13.82	91	274024	19.787	ug/l	99
90) Hexachloroethane	14.09	117	50255	19.097	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	126505	20.333	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8807	17.658	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091819\
Quantitation Report (Not Reviewed)

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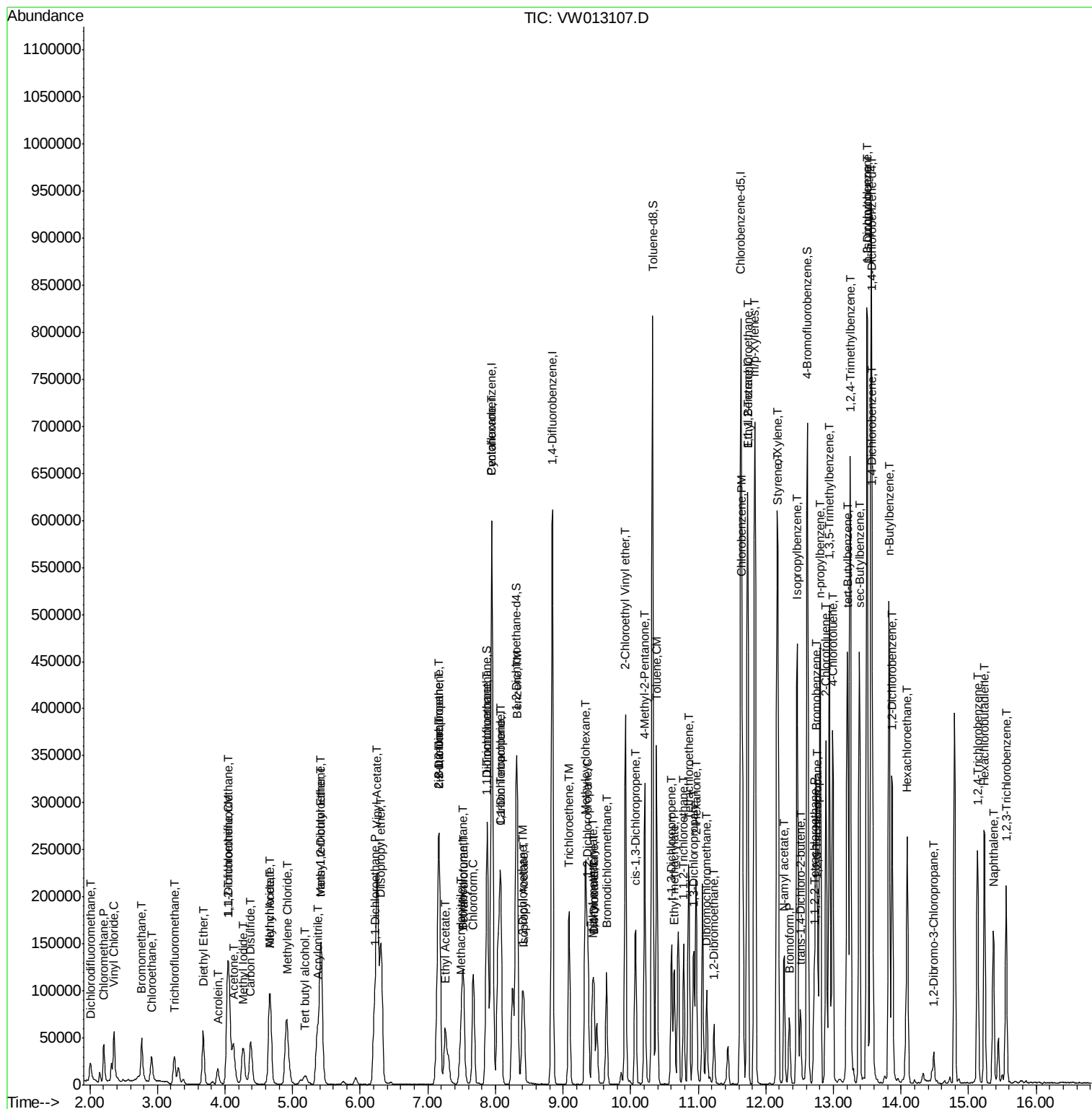
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88526	19.951	ug/l	98
94) Hexachlorobutadiene	15.24	225	59181	18.841	ug/l	97
95) Naphthalene	15.36	128	144913	19.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	76336	19.462	ug/l	99

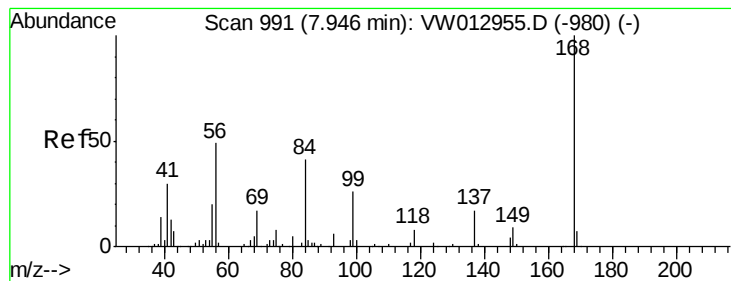
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

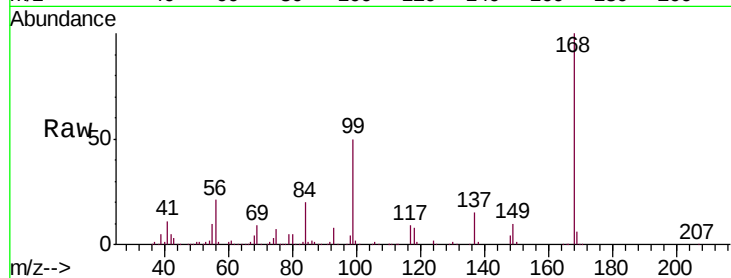
VW0918SBSD01

Tgt Ion:168 Resp: 366214

Ion Ratio Lower Upper

168 100

99 49.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

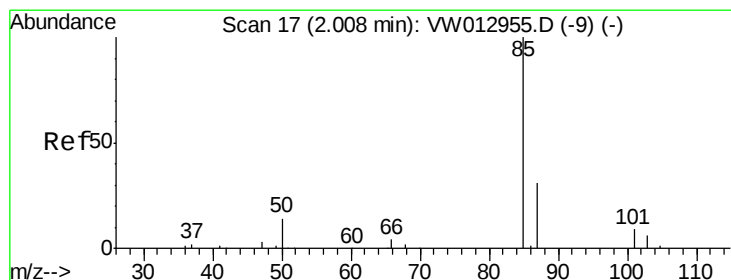
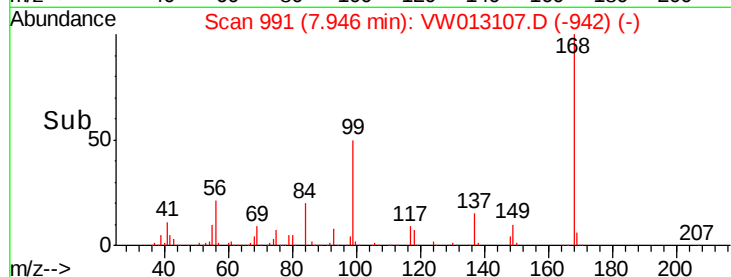
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.743 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013107.D

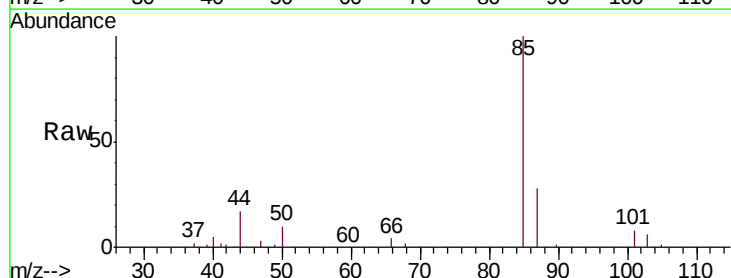
Acq: 18 Sep 2019 12:35

Tgt Ion: 85 Resp: 32749

Ion Ratio Lower Upper

85 100

87 28.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

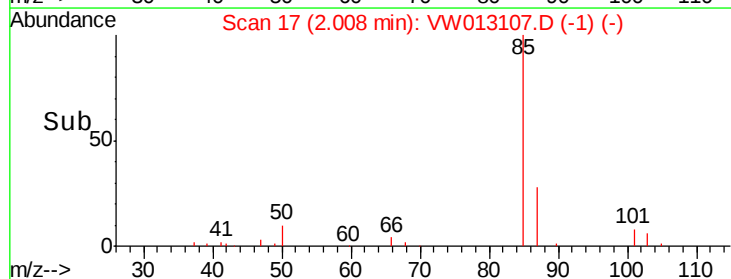
2.01

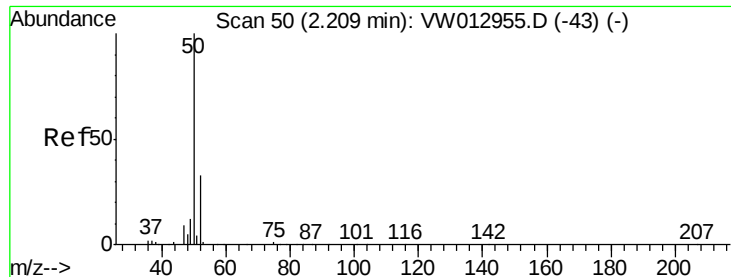
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.057 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

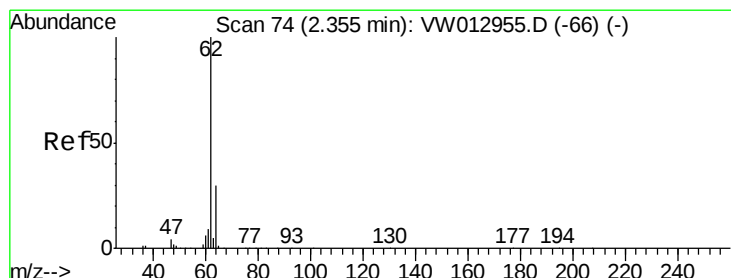
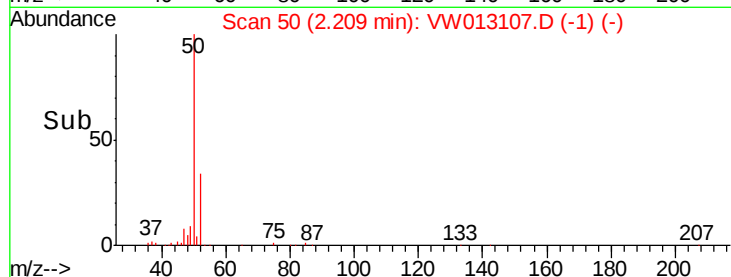
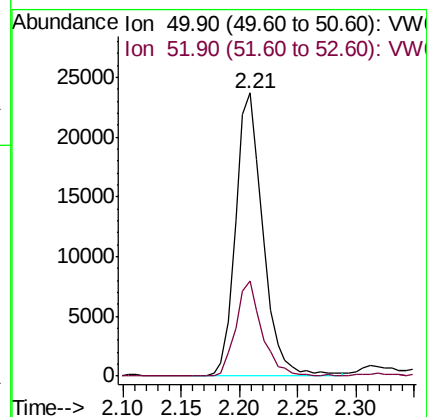
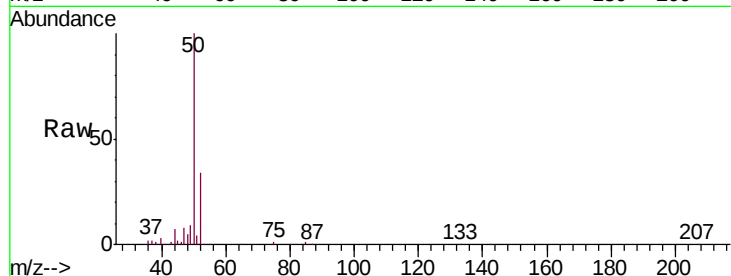
VW0918SBS01

Tgt Ion: 50 Resp: 38878

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



#4

Vinyl Chloride

Concen: 19.877 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013107.D

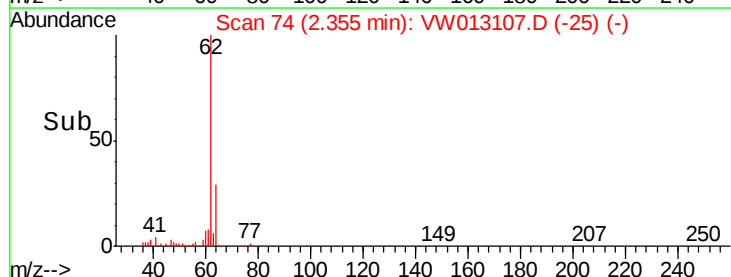
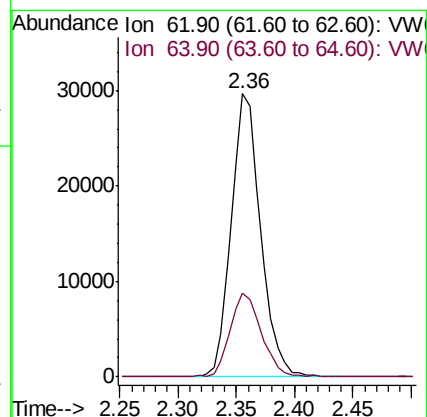
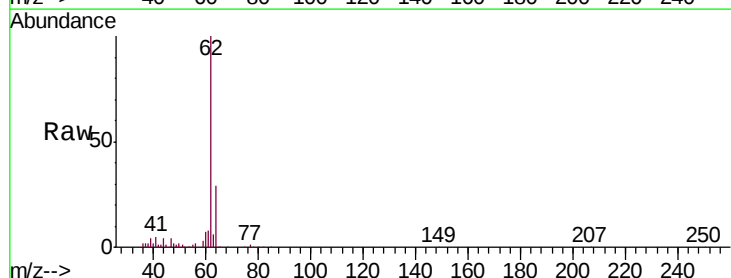
Acq: 18 Sep 2019 12:35

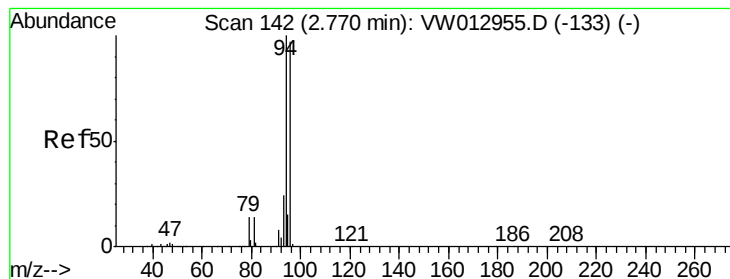
Tgt Ion: 62 Resp: 52102

Ion Ratio Lower Upper

62 100

64 29.4 24.2 36.4





#5

Bromomethane

Concen: 20.270 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

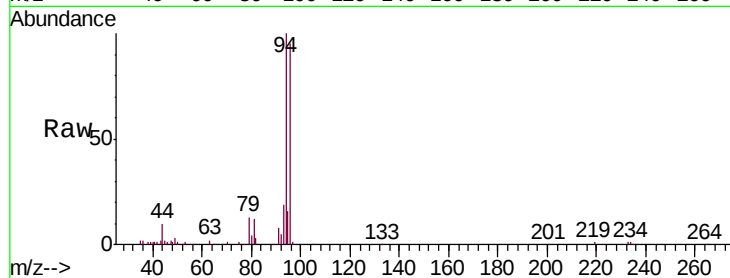
VW0918SBS01

Tgt Ion: 94 Resp: 32448

Ion Ratio Lower Upper

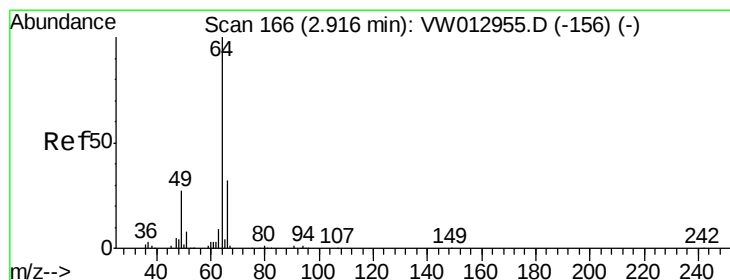
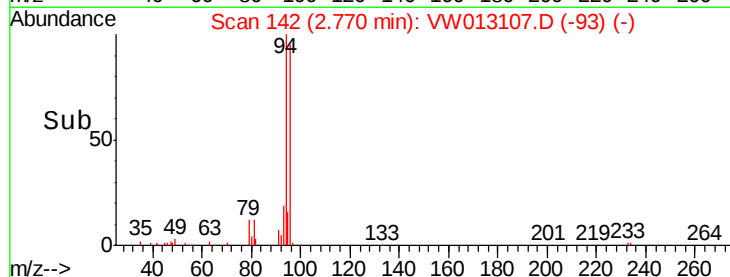
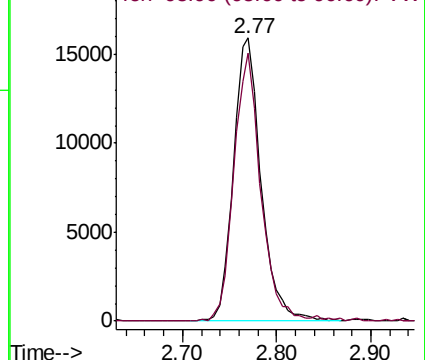
94 100

96 94.9 77.8 116.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.158 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013107.D

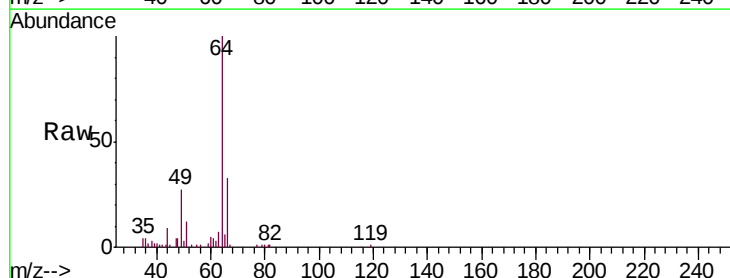
Acq: 18 Sep 2019 12:35

Tgt Ion: 64 Resp: 30800

Ion Ratio Lower Upper

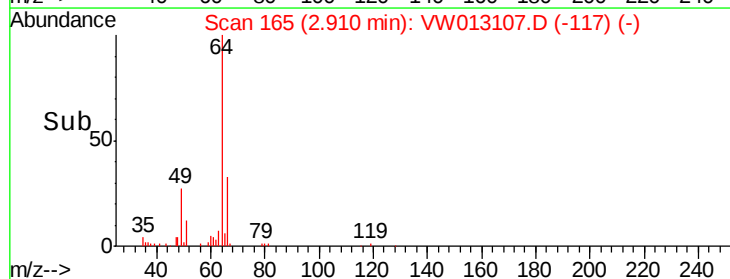
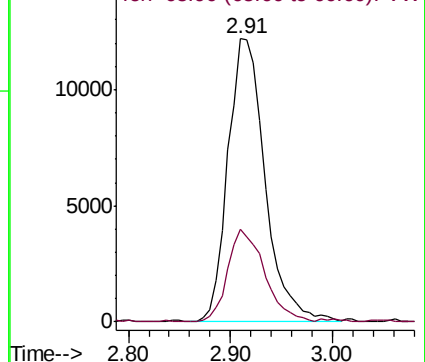
64 100

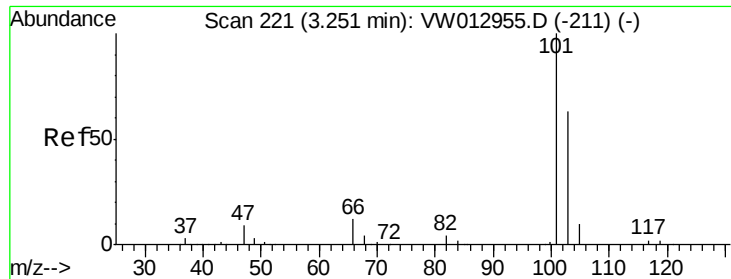
66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



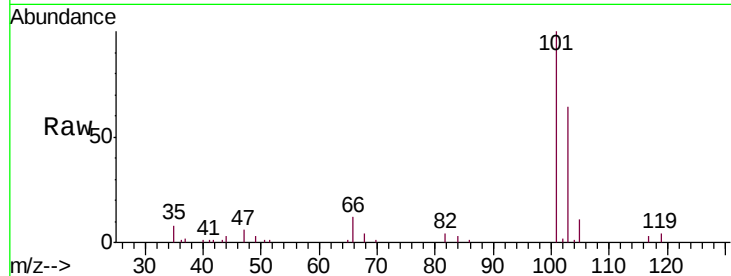


#7

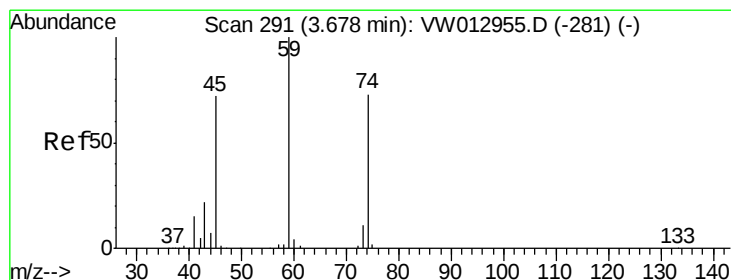
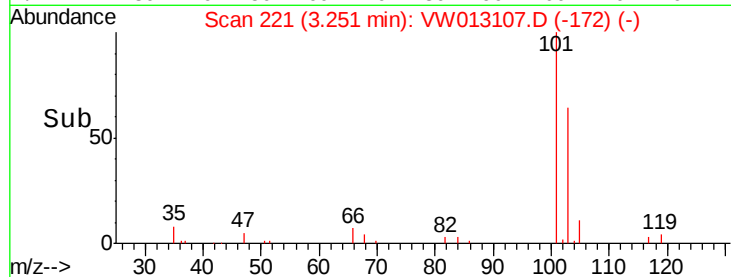
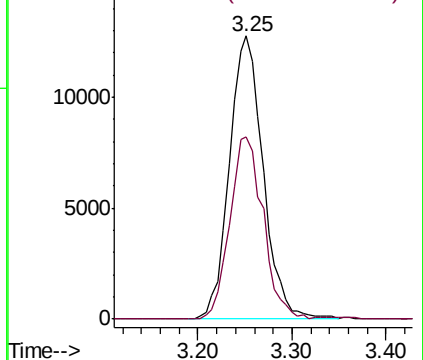
Trichlorofluoromethane
 Concen: 17.367 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013107.D
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 VW0918SBSD01

Tgt Ion:101 Resp: 31834
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1



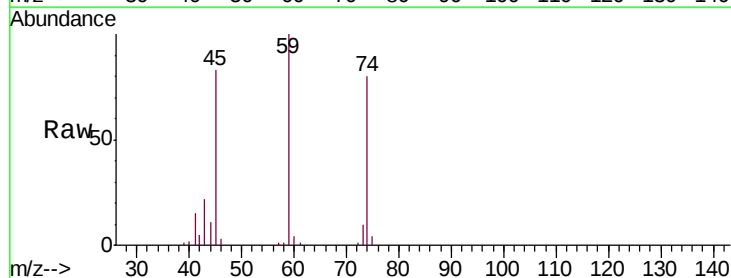
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



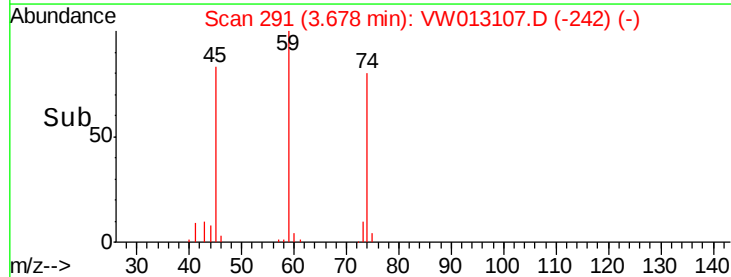
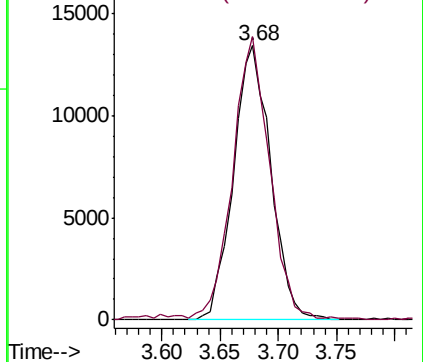
#8

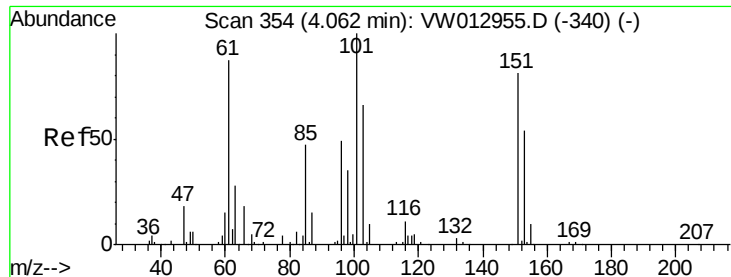
Diethyl Ether
 Concen: 21.050 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013107.D
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Tgt Ion: 74 Resp: 30129
 Ion Ratio Lower Upper
 74 100
 45 99.8 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.649 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013107.D

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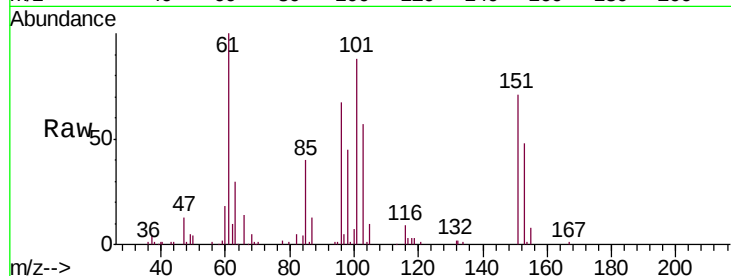
Tgt Ion:101 Resp: 57408

Ion Ratio Lower Upper

101 100

85 41.9 34.9 52.3

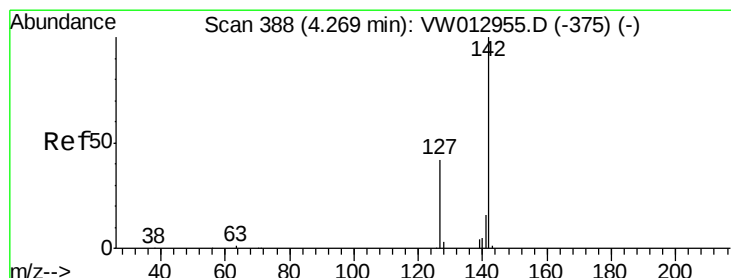
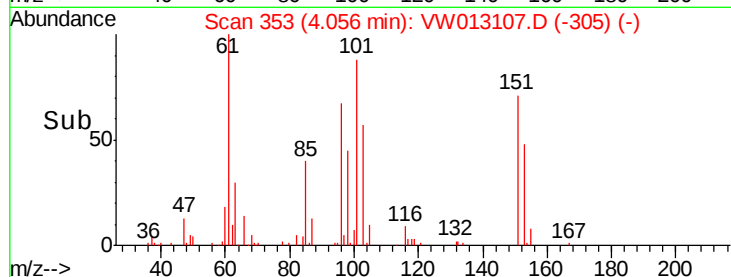
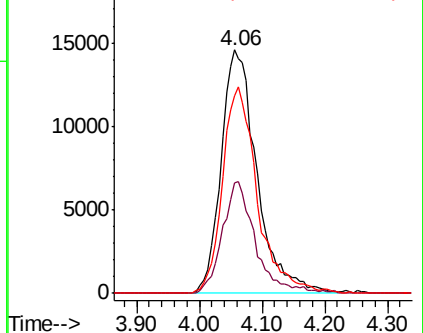
151 82.2 66.0 99.0



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: 21.665 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

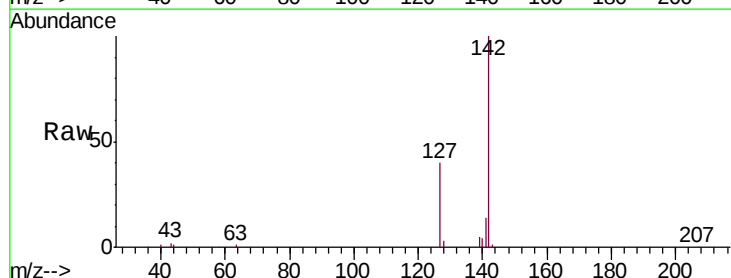
Tgt Ion:142 Resp: 75380

Ion Ratio Lower Upper

142 100

127 40.7 34.7 52.1

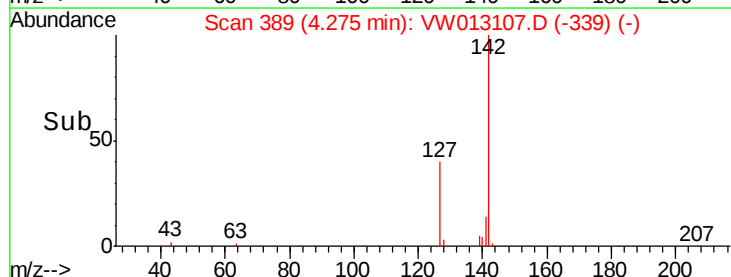
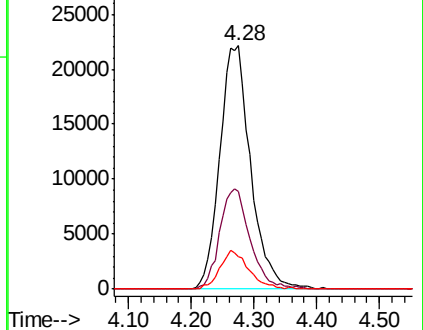
141 14.9 12.2 18.2

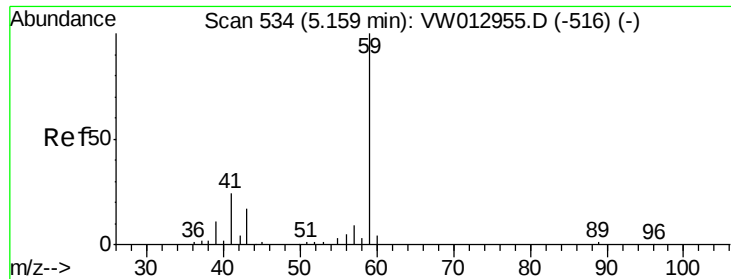


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

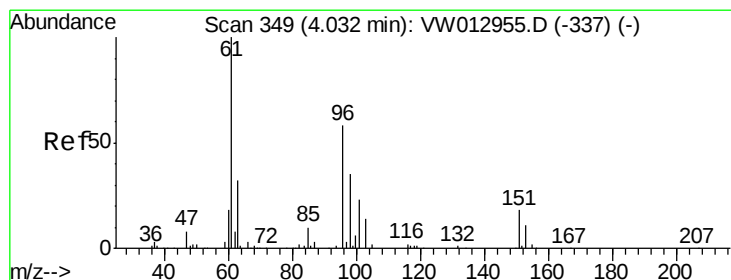
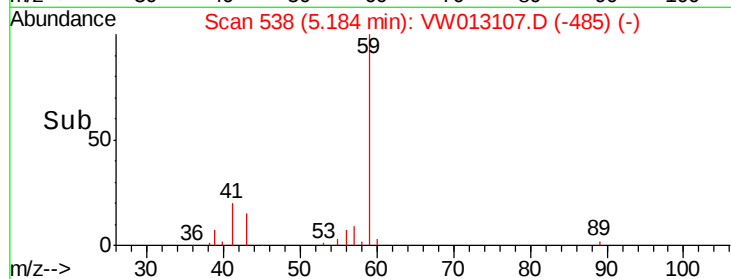
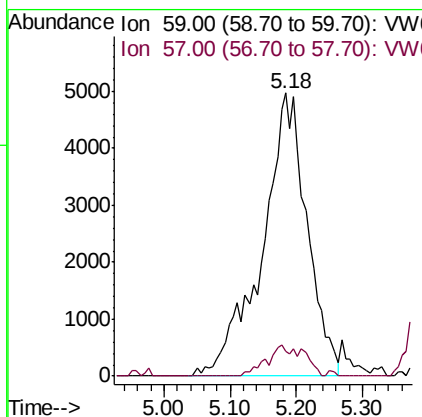
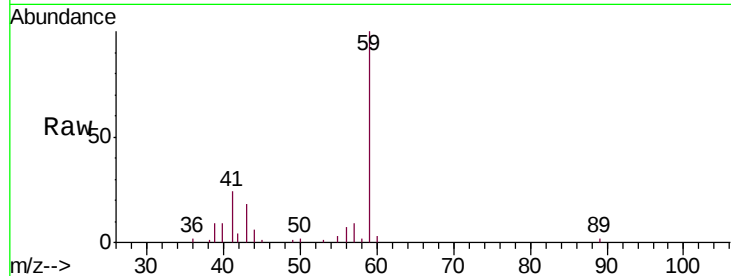




#11
Tert butyl alcohol
Concen: 89.261 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

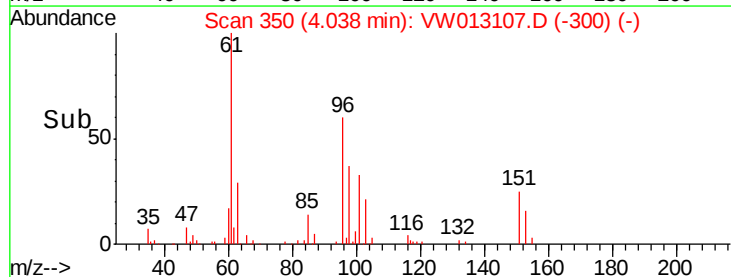
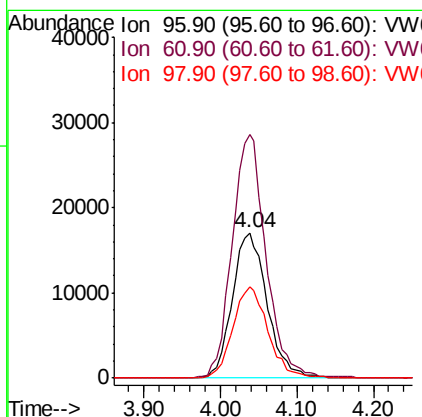
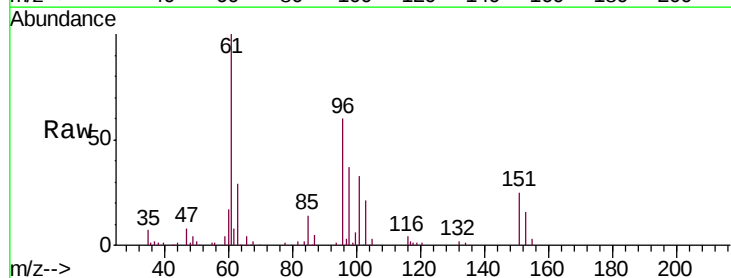
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

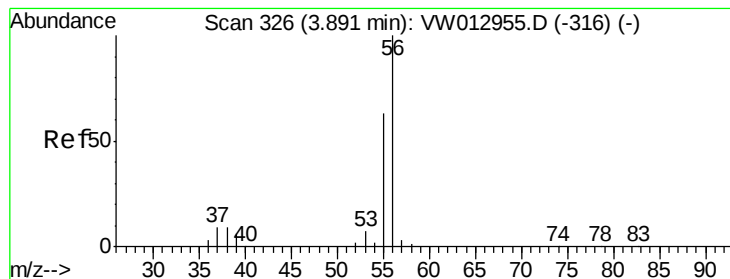
Tgt Ion: 59 Resp: 23524
Ion Ratio Lower Upper
59 100
57 5.4 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 21.318 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 96 Resp: 53887
Ion Ratio Lower Upper
96 100
61 167.3 137.9 206.9
98 62.6 48.9 73.3





#13

Acrolein

Concen: 80.350 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

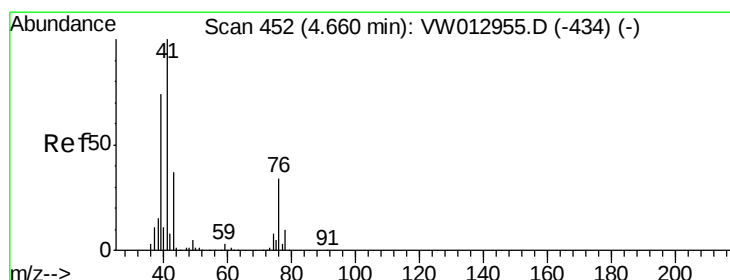
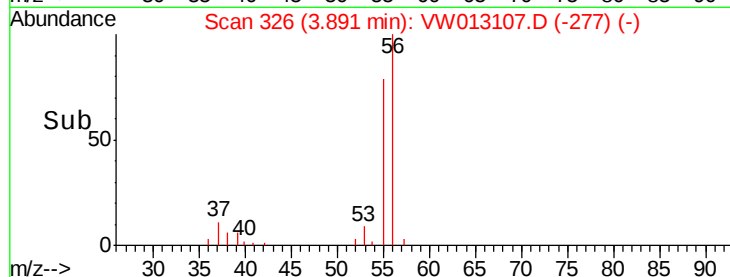
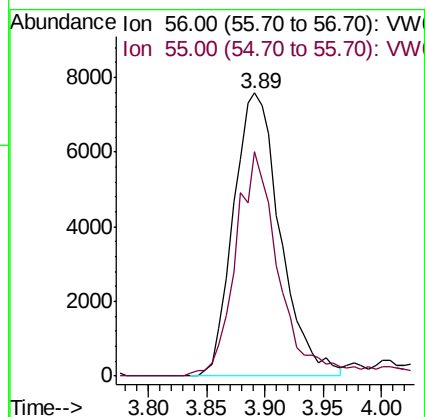
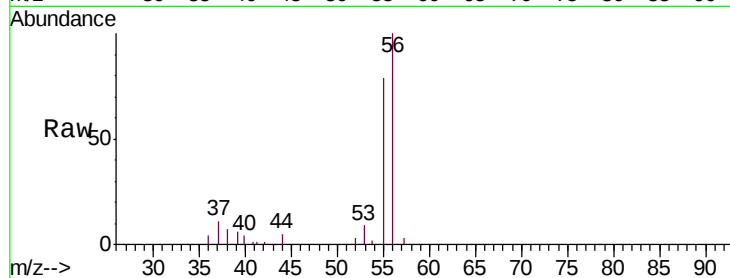
VW0918SBSD01

Tgt Ion: 56 Resp: 21220

Ion Ratio Lower Upper

56 100

55 72.9 55.8 83.8



#14

Allyl chloride

Concen: 19.030 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

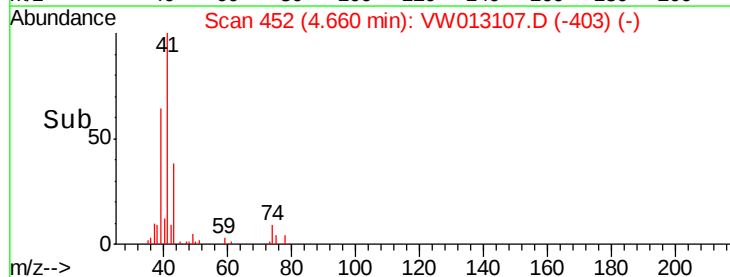
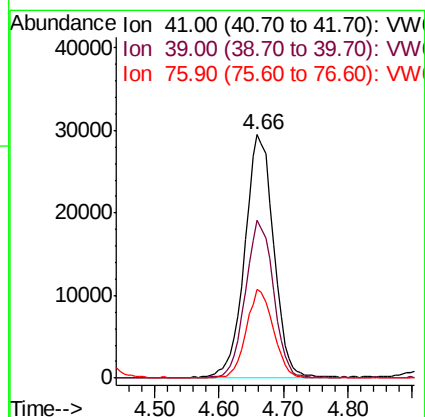
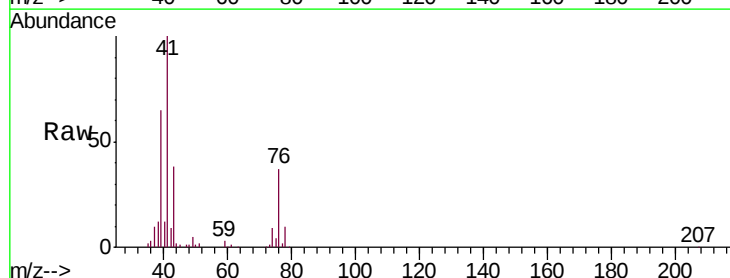
Tgt Ion: 41 Resp: 91321

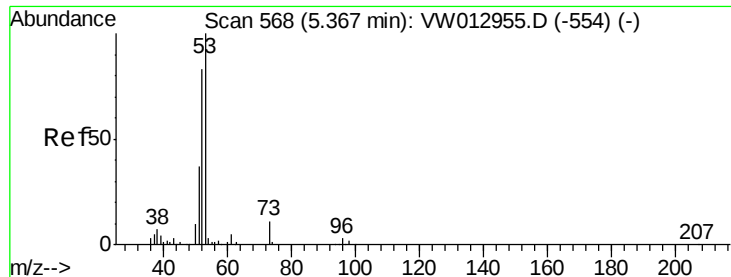
Ion Ratio Lower Upper

41 100

39 62.4 56.7 85.1

76 33.7 25.1 37.7





#15

Acrylonitrile

Concen: 99.639 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

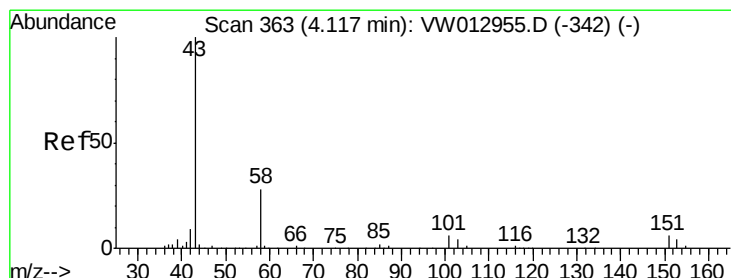
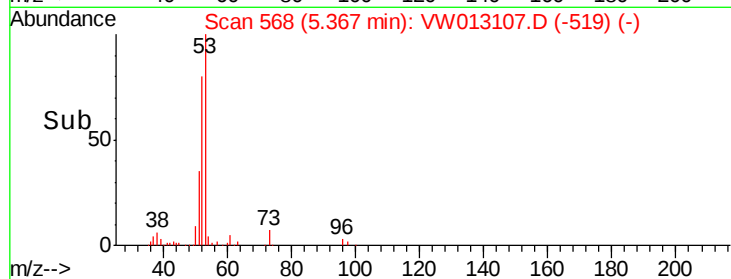
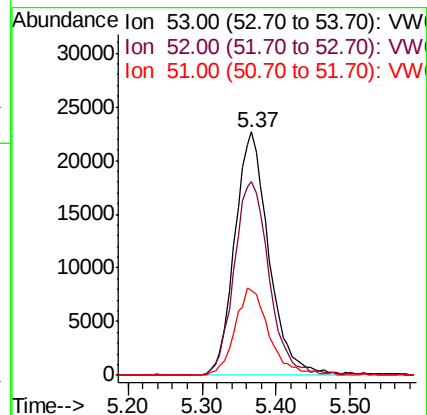
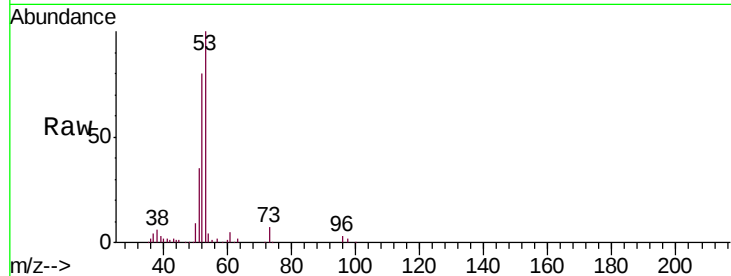
Tgt Ion: 53 Resp: 72838

Ion Ratio Lower Upper

53 100

52 81.9 66.6 100.0

51 35.6 29.8 44.8



#16

Acetone

Concen: 71.465 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013107.D

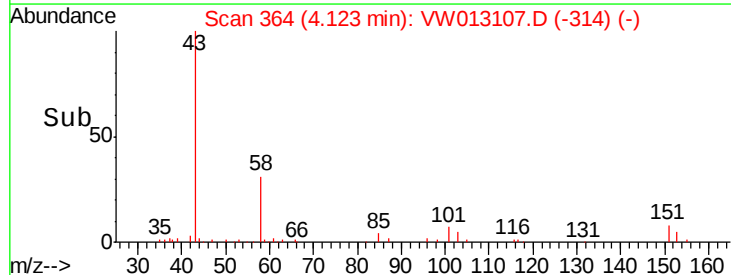
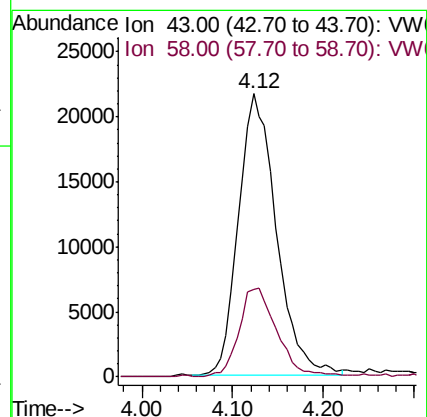
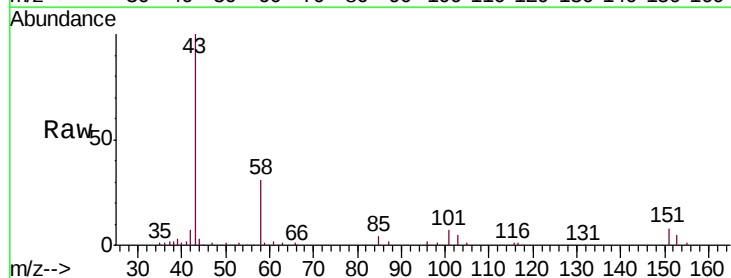
Acq: 18 Sep 2019 12:35

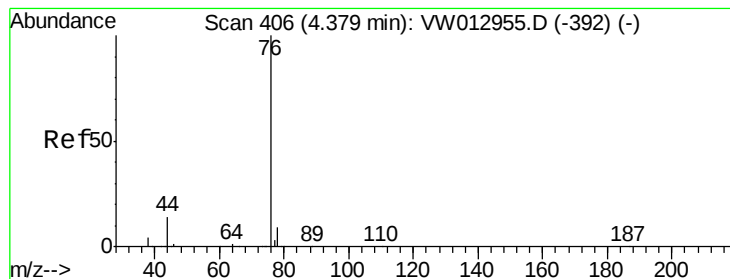
Tgt Ion: 43 Resp: 62694

Ion Ratio Lower Upper

43 100

58 31.0 22.3 33.5





#17

Carbon Disulfide

Concen: 20.533 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

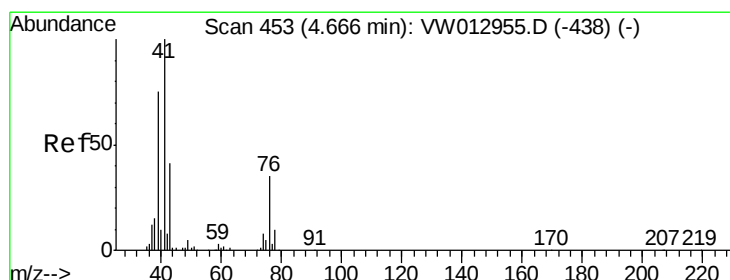
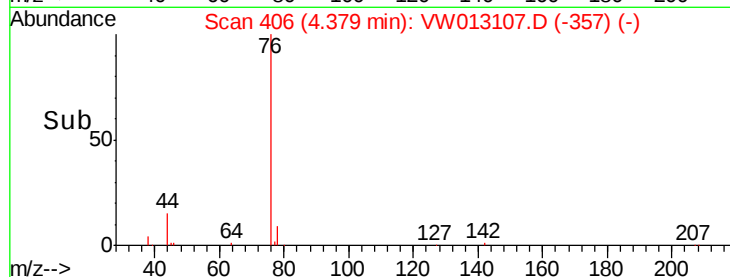
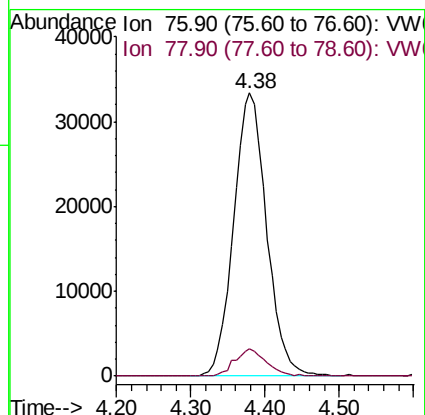
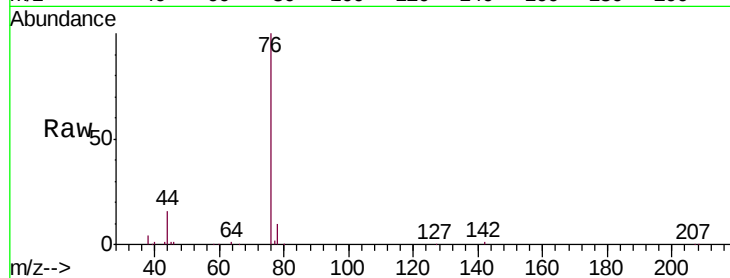
VW0918SBSD01

Tgt Ion: 76 Resp: 103437

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4



#18

Methyl Acetate

Concen: 19.825 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013107.D

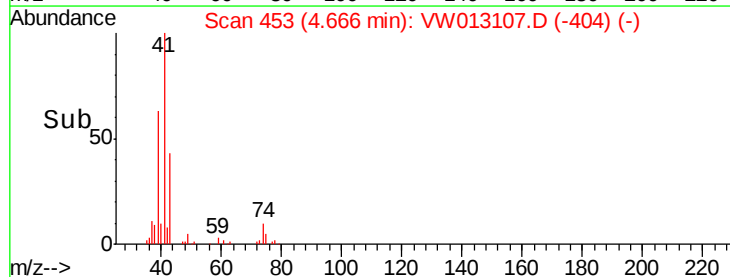
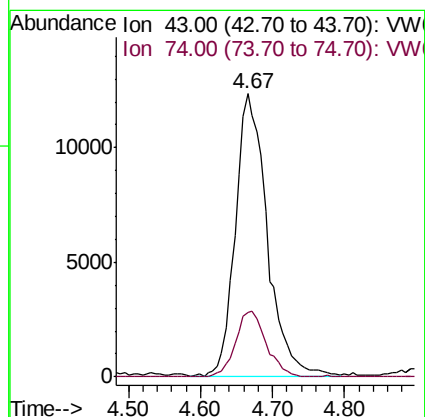
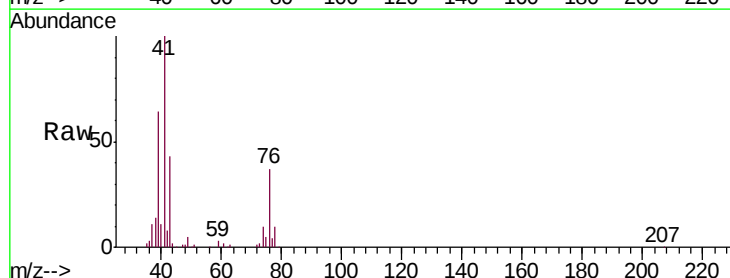
Acq: 18 Sep 2019 12:35

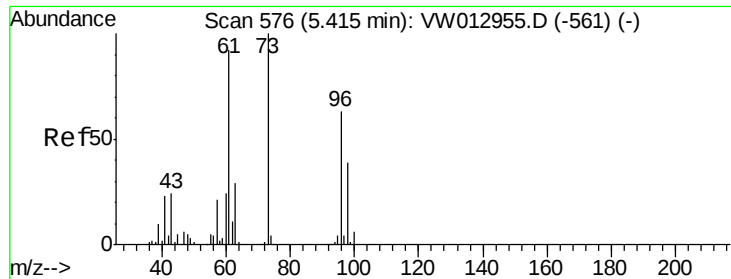
Tgt Ion: 43 Resp: 38201

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



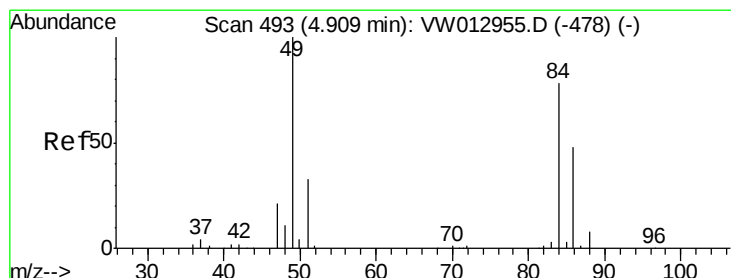
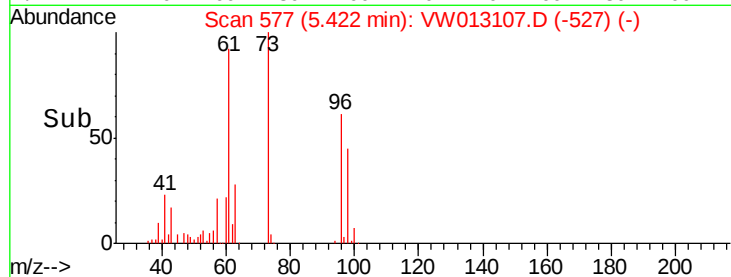
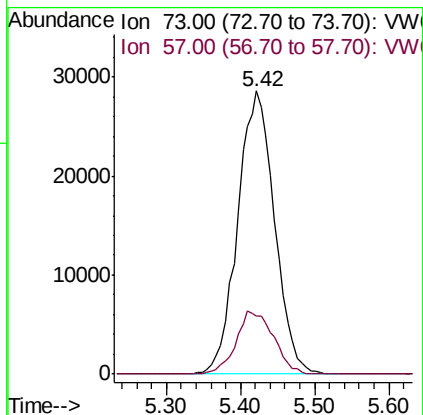
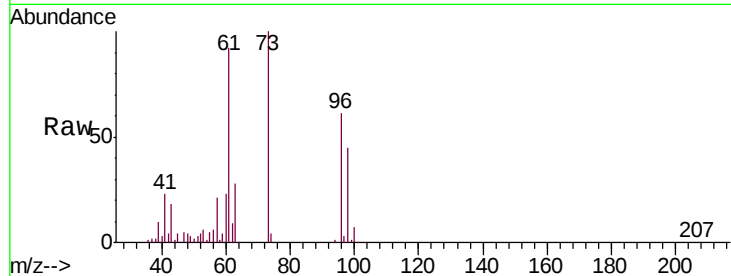


#19

Methyl tert-butyl Ether
 Concen: 19.818 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

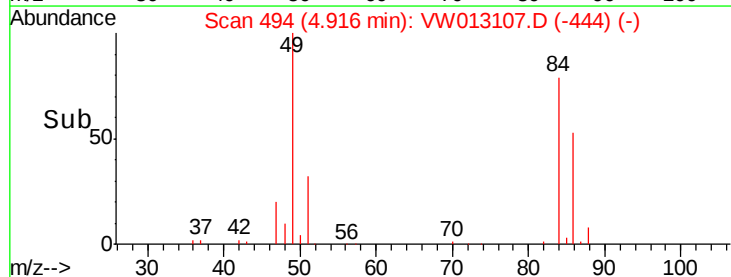
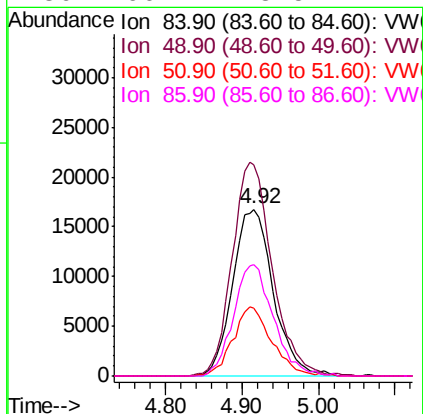
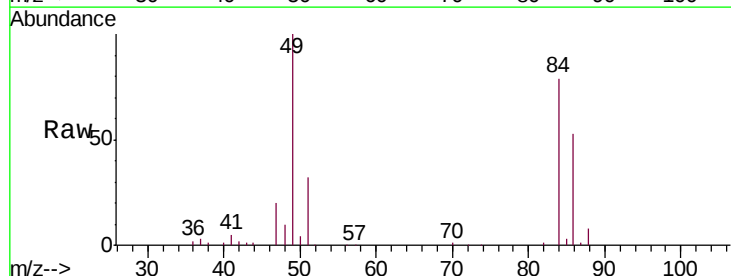
Tgt Ion: 73 Resp: 98888
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.4 24.6

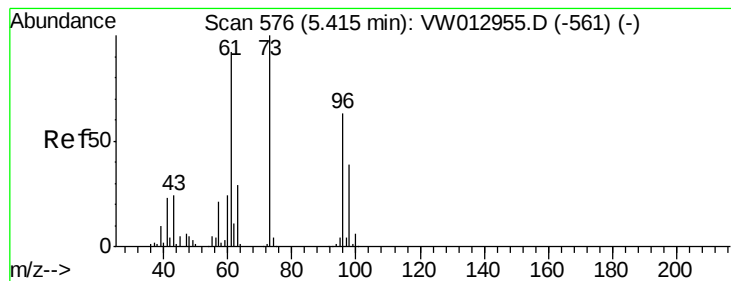


#20

Methylene Chloride
 Concen: 19.465 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 84 Resp: 61843
 Ion Ratio Lower Upper
 84 100
 49 126.6 102.0 153.0
 51 40.7 34.0 51.0
 86 66.7 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.500 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

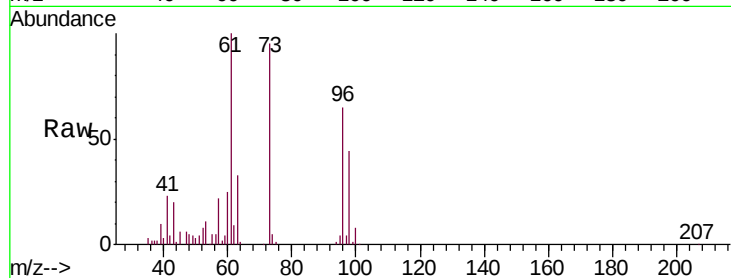
Tgt Ion: 96 Resp: 55502

Ion Ratio Lower Upper

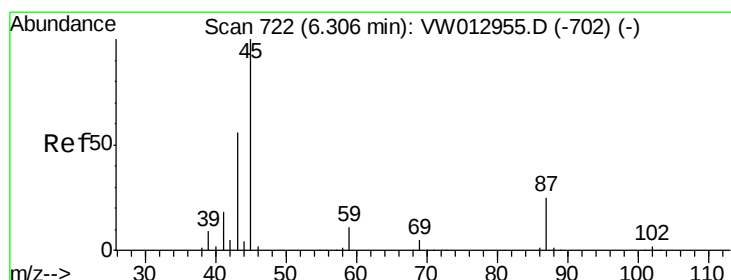
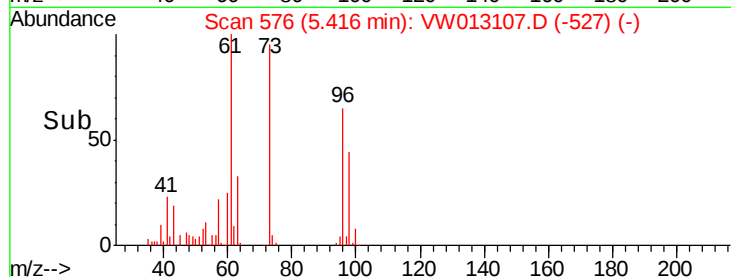
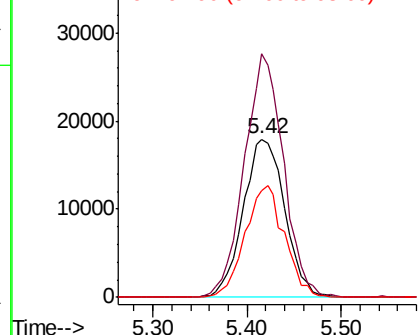
96 100

61 153.7 116.2 174.2

98 67.7 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: 19.784 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Tgt Ion: 45 Resp: 197234

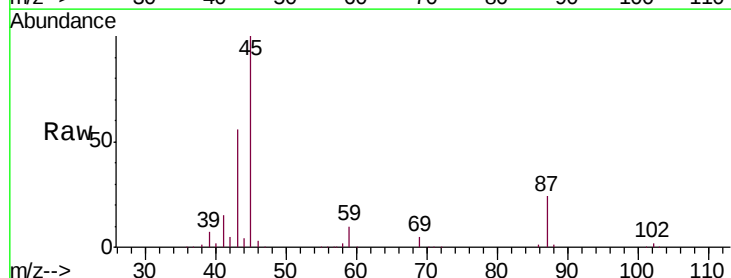
Ion Ratio Lower Upper

45 100

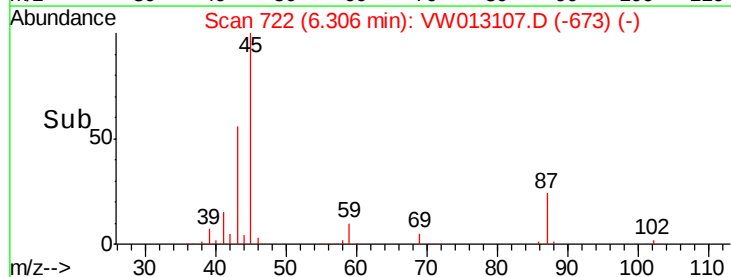
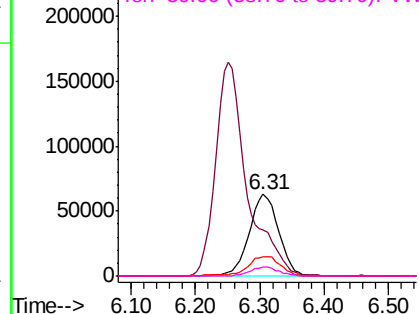
43 55.4 44.6 67.0

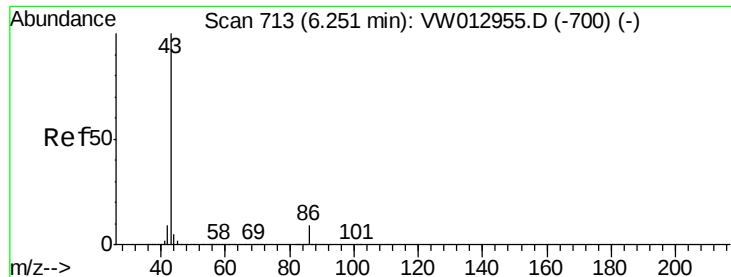
87 24.0 20.0 30.0

59 10.3 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: 93.848 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

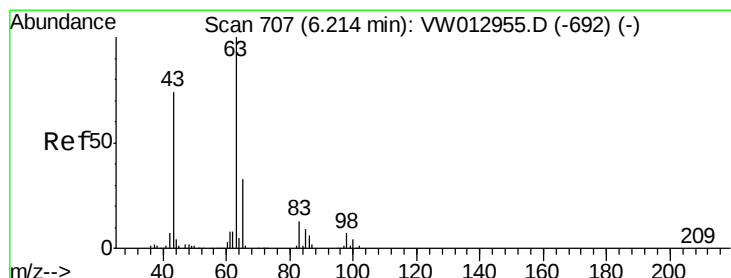
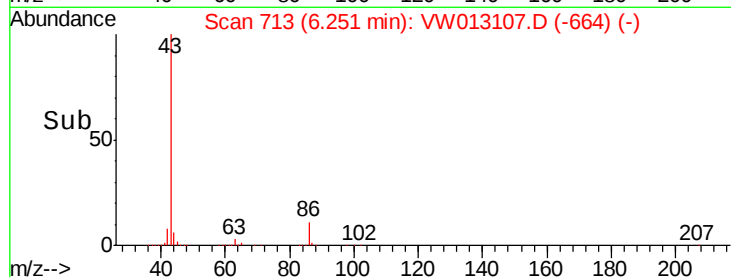
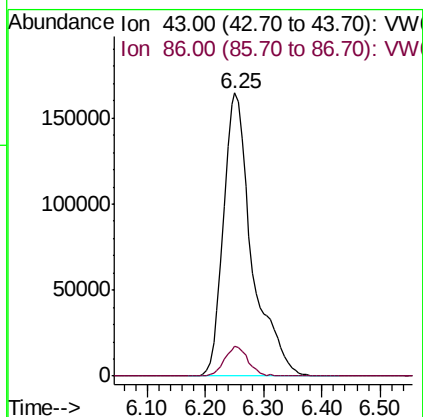
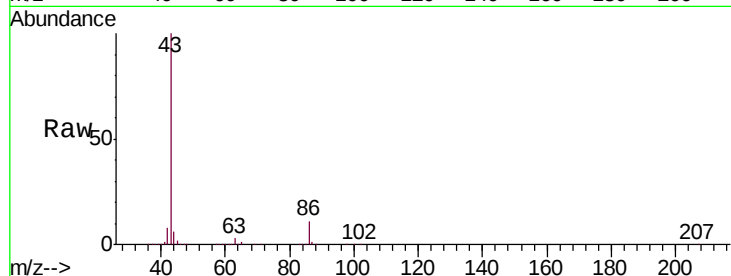
VW0918SBSD01

Tgt Ion: 43 Resp: 560369

Ion Ratio Lower Upper

43 100

86 10.5 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.556 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

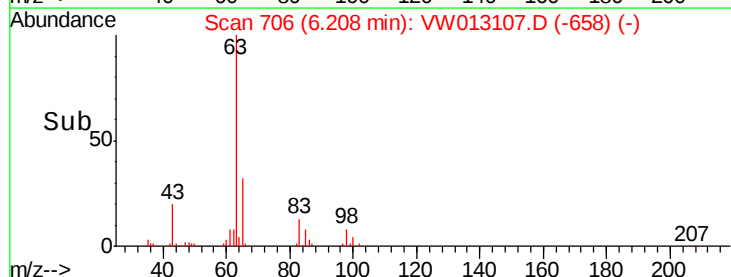
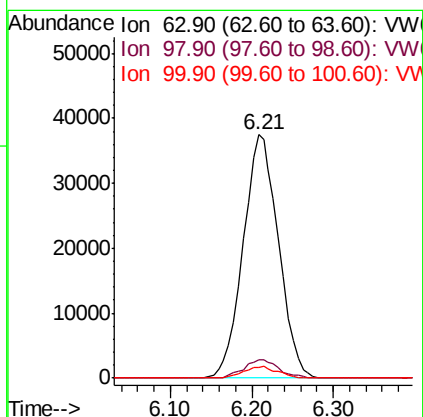
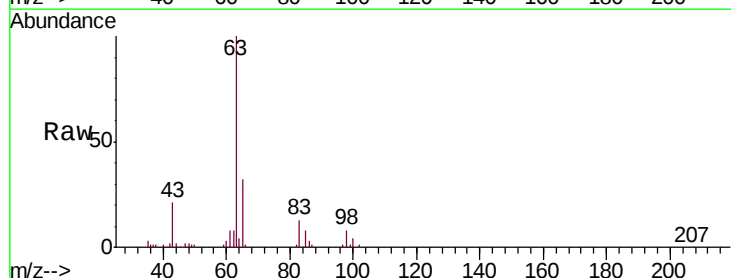
Tgt Ion: 63 Resp: 112407

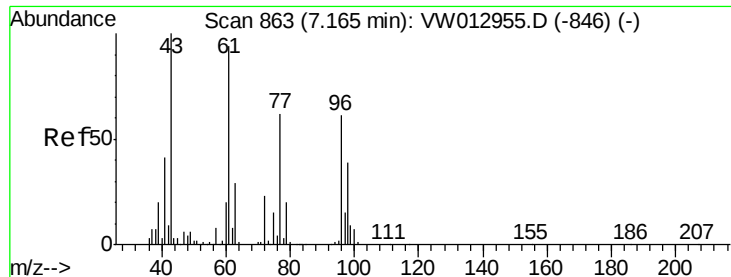
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 91.446 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

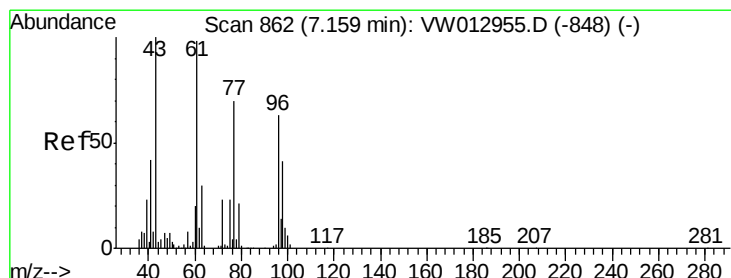
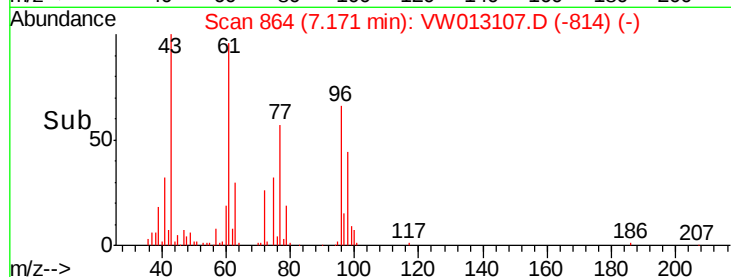
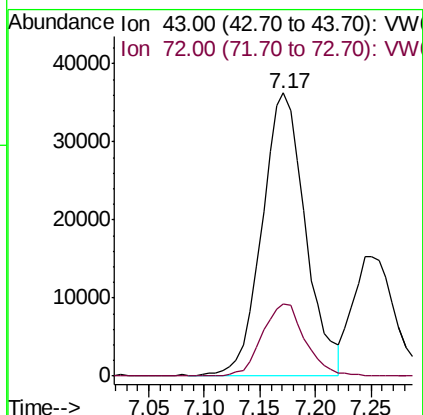
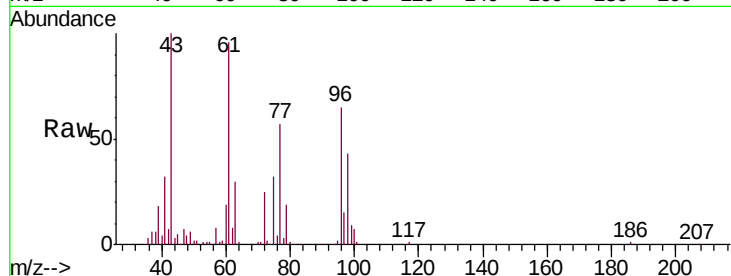
VW0918SBSD01

Tgt Ion: 43 Resp: 98348

Ion Ratio Lower Upper

43 100

72 25.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 17.513 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013107.D

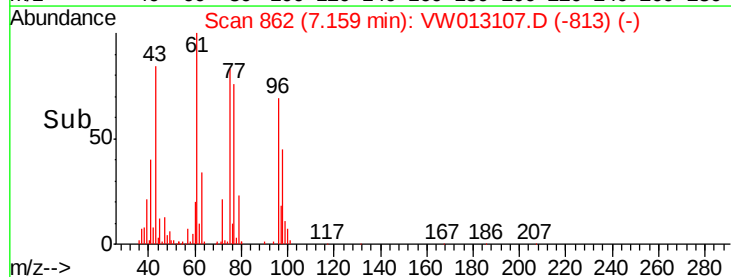
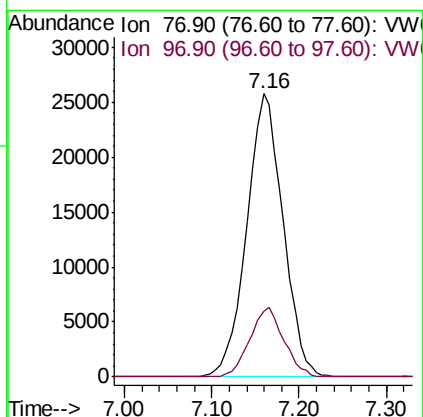
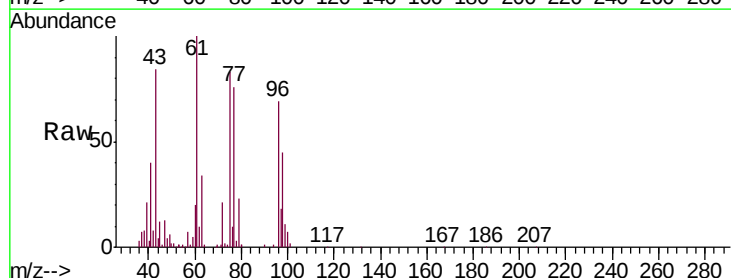
Acq: 18 Sep 2019 12:35

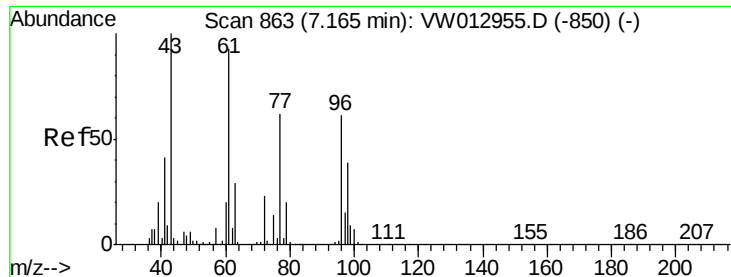
Tgt Ion: 77 Resp: 74163

Ion Ratio Lower Upper

77 100

97 22.8 10.7 32.1



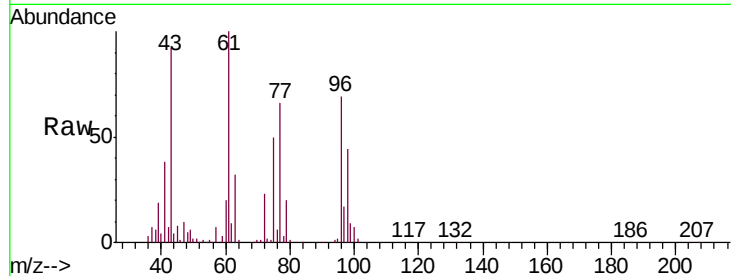


#27

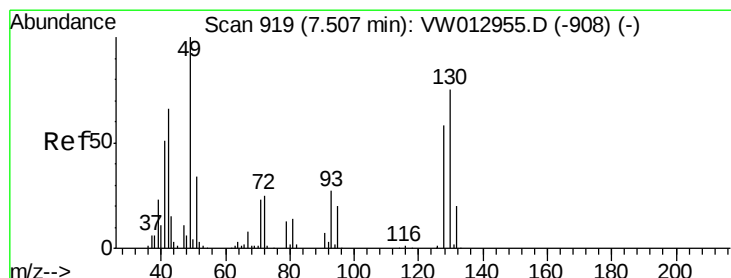
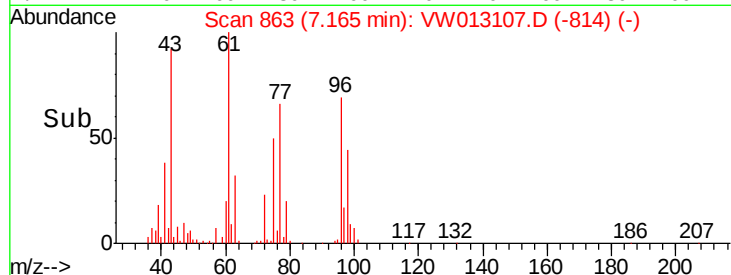
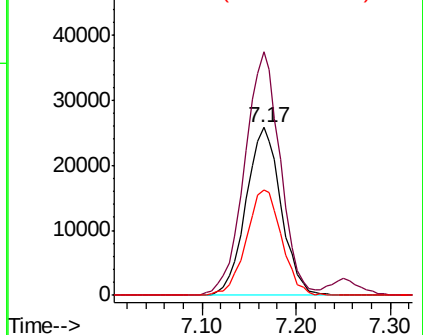
cis-1,2-Dichloroethene
Concen: 20.857 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

Tgt Ion: 96 Resp: 67606
Ion Ratio Lower Upper
96 100
61 146.6 0.0 315.4
98 63.1 0.0 131.0



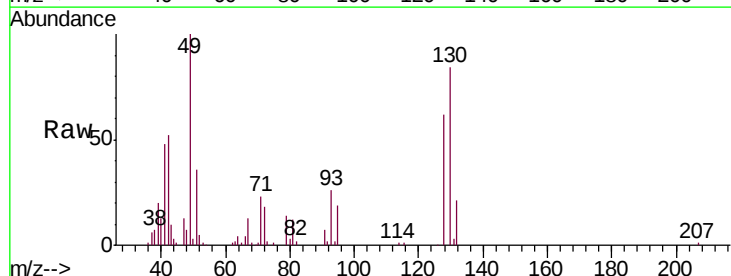
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



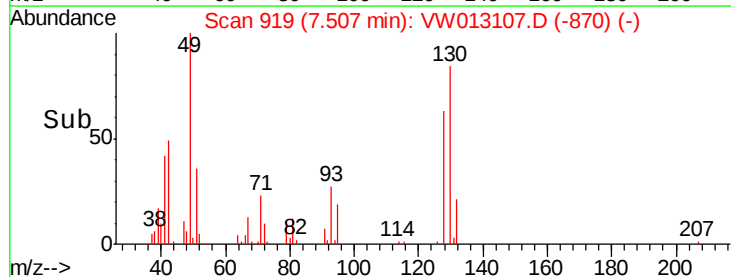
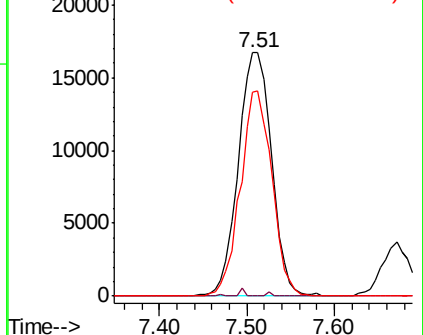
#28

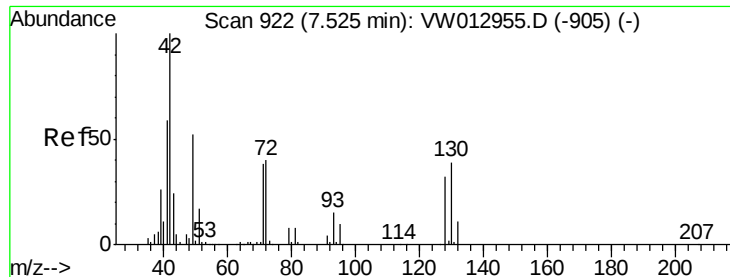
Bromochloromethane
Concen: 18.317 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 49 Resp: 44314
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 79.6 57.8 86.6



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

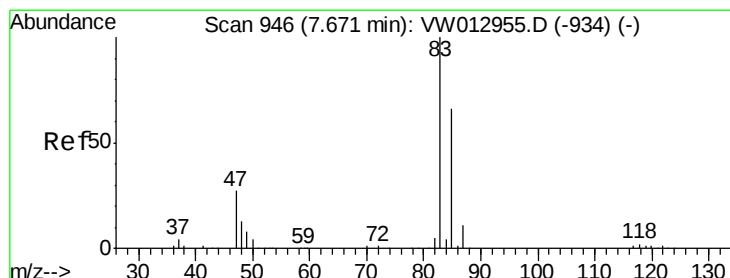
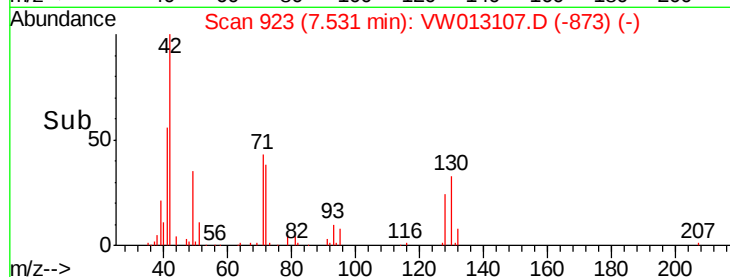
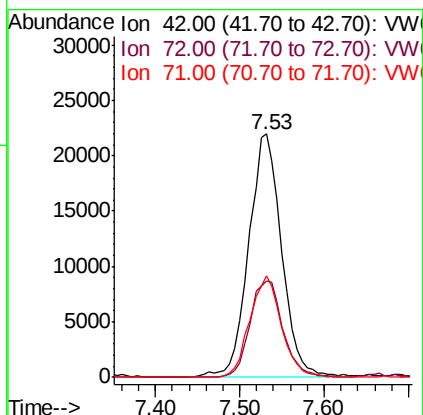
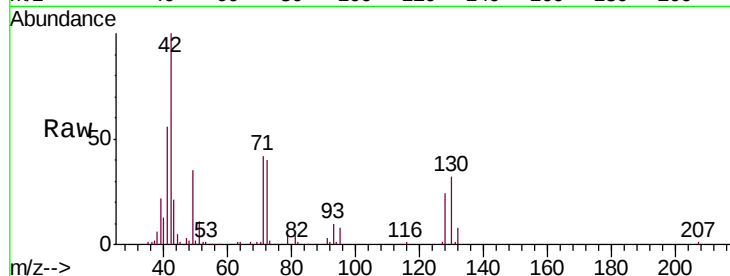




#29
Tetrahydrofuran
Concen: 95.242 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

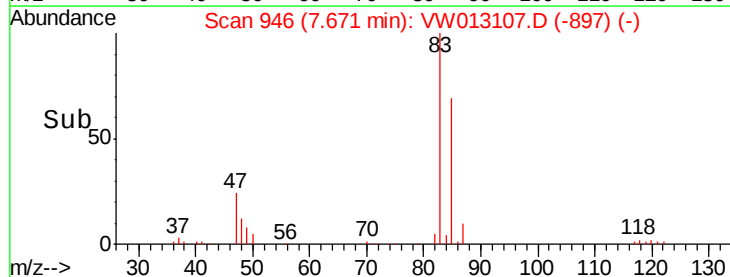
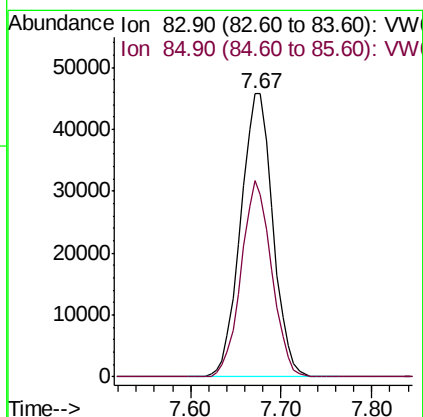
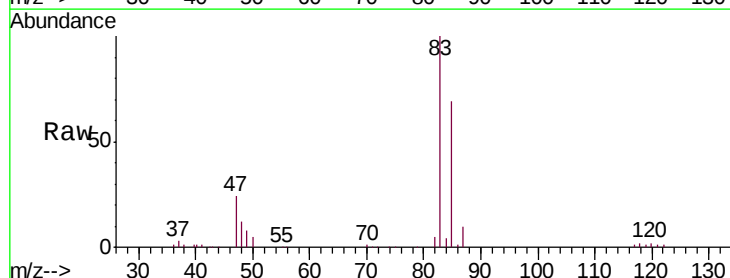
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

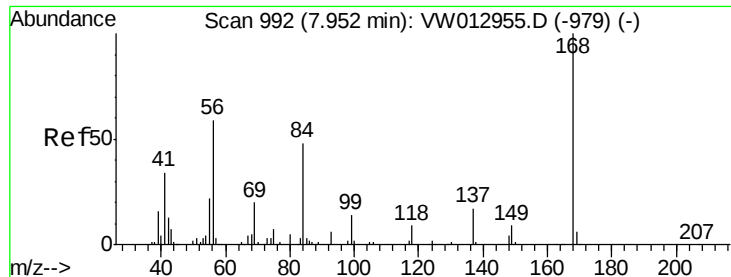
Tgt Ion: 42 Resp: 58363
Ion Ratio Lower Upper
42 100
72 39.6 31.4 47.0
71 40.0 29.8 44.8



#30
Chloroform
Concen: 19.280 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 83 Resp: 112603
Ion Ratio Lower Upper
83 100
85 69.2 52.8 79.2

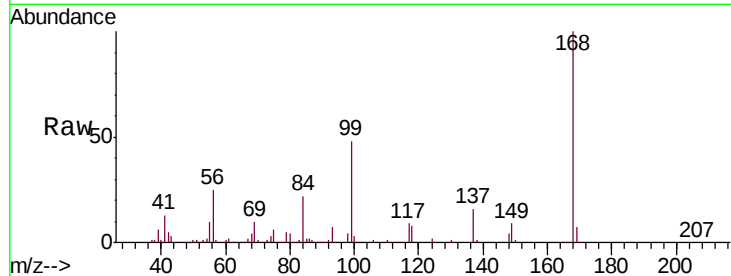




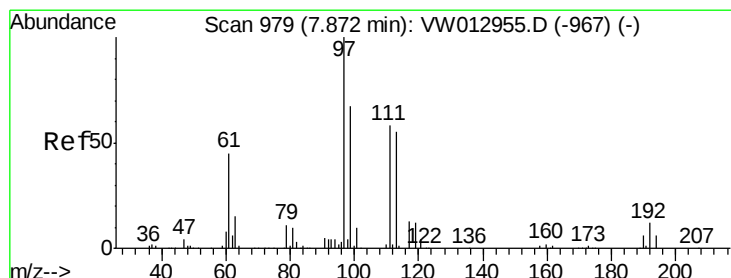
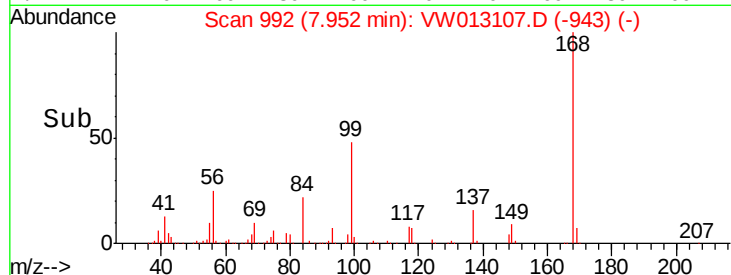
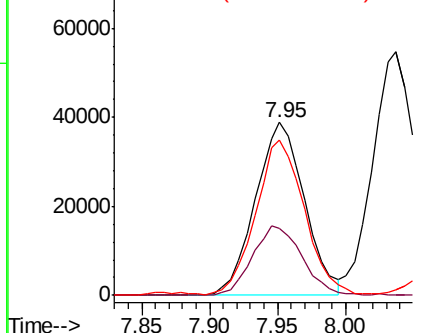
#31
Cyclohexane
Concen: 20.135 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

Tgt Ion: 56 Resp: 97836
Ion Ratio Lower Upper
56 100
69 39.1 27.0 40.6
84 88.9 66.2 99.2

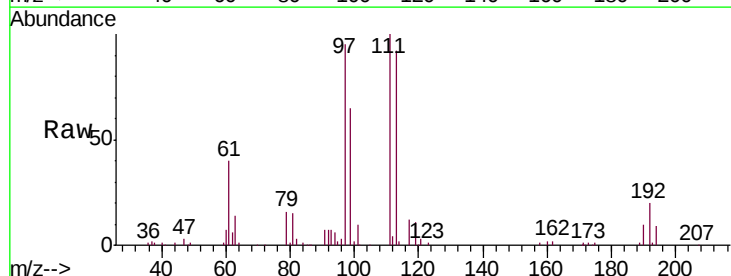


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

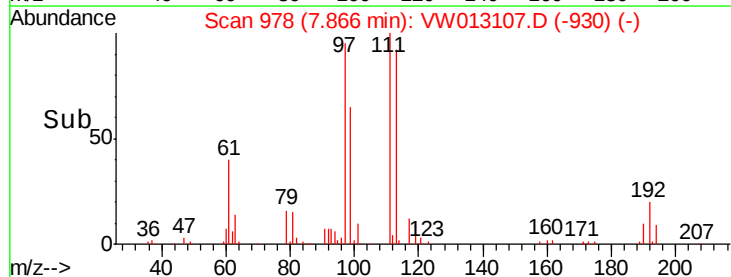
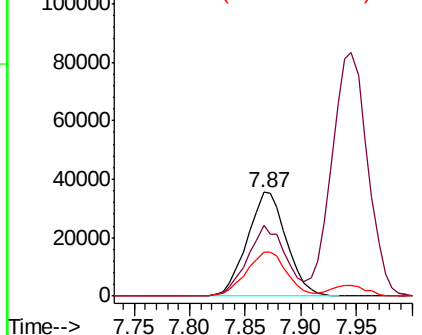


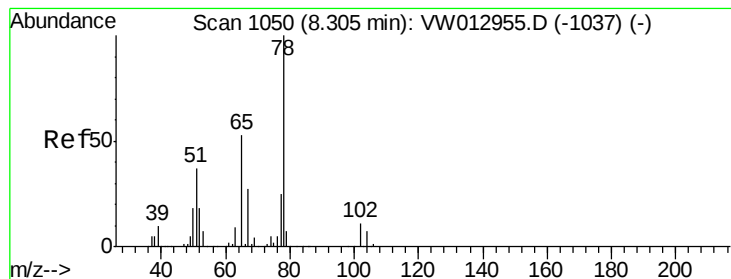
#32
1,1,1-Trichloroethane
Concen: 18.103 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 97 Resp: 87072
Ion Ratio Lower Upper
97 100
99 66.6 53.0 79.4
61 43.7 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: 41.496 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

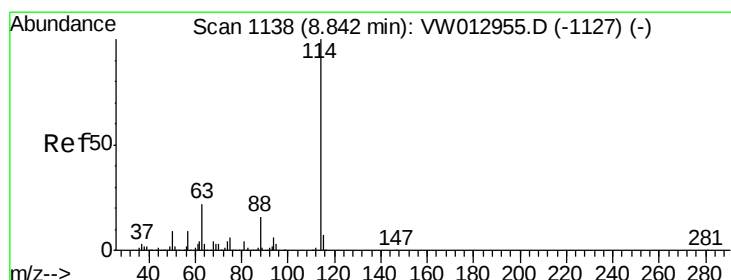
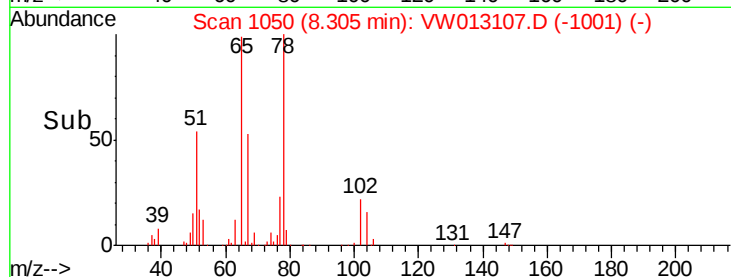
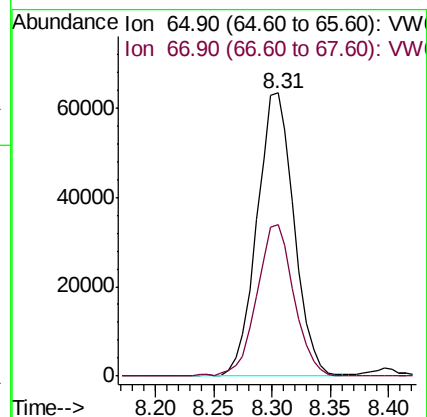
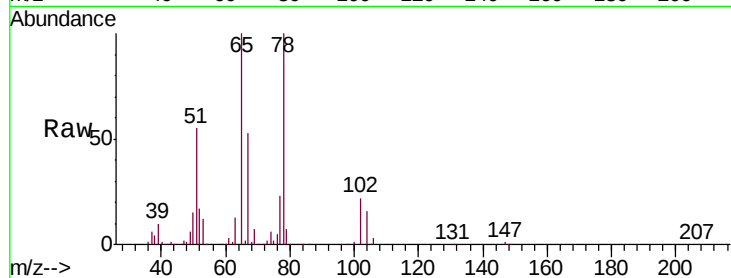
VW0918SBSD01

Tgt Ion: 65 Resp: 140349

Ion Ratio Lower Upper

65 100

67 53.5 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: VW013107.D

Acq: 18 Sep 2019 12:35

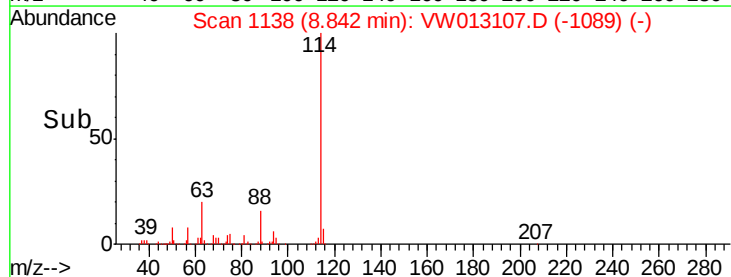
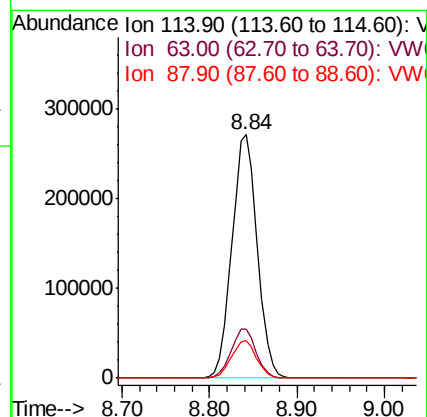
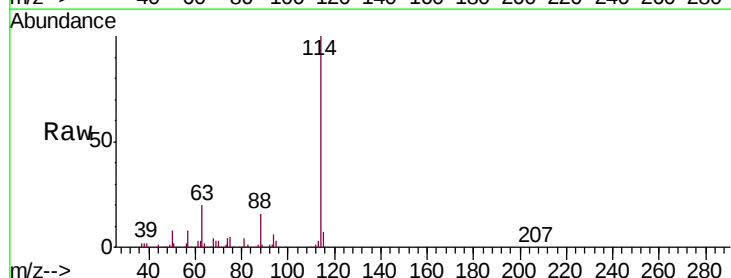
Tgt Ion: 114 Resp: 543228

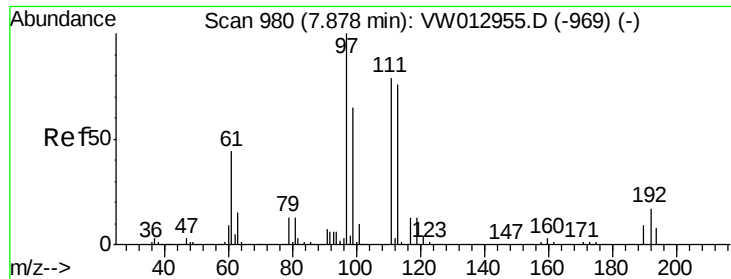
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.4

88 15.6 0.0 31.6

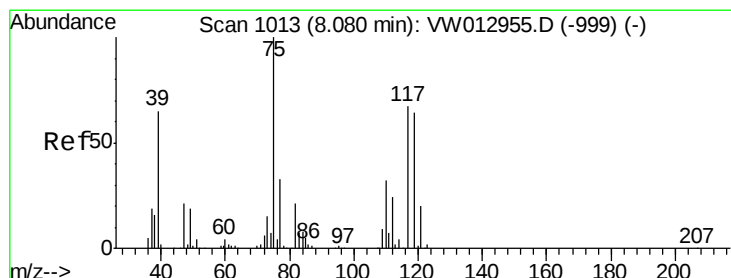
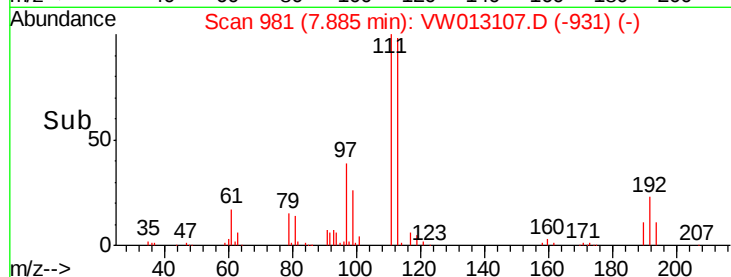
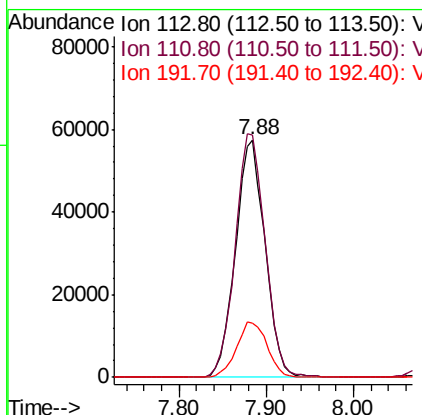
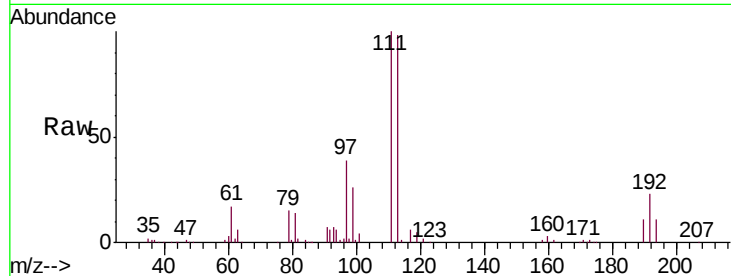




#35
Dibromofluoromethane
Concen: 45.878 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

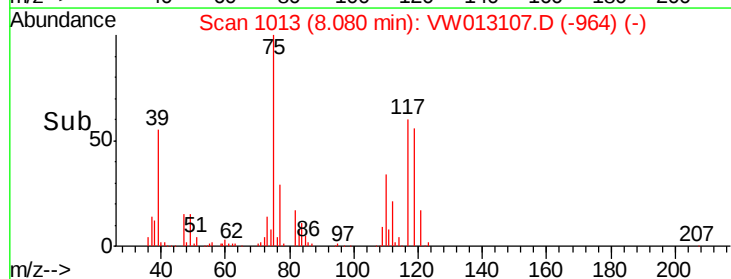
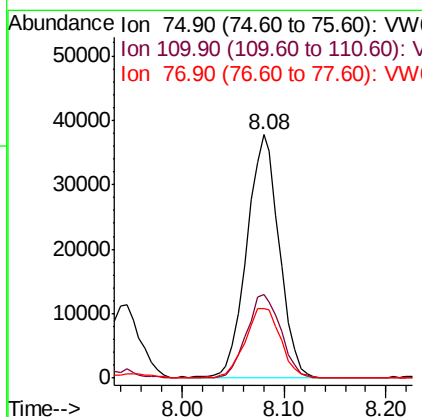
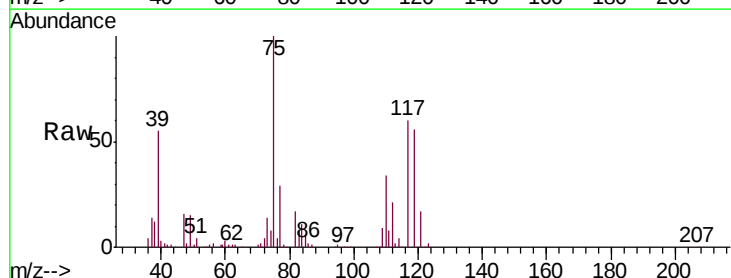
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

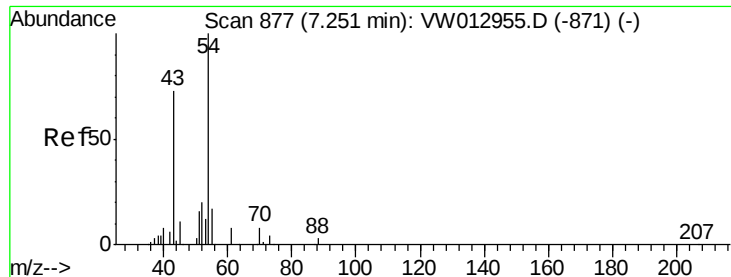
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.8	124.2
192	24.1	17.8	26.8



#36
1,1-Dichloropropene
Concen: 19.296 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	16.4	49.1
77	31.5	25.1	37.7

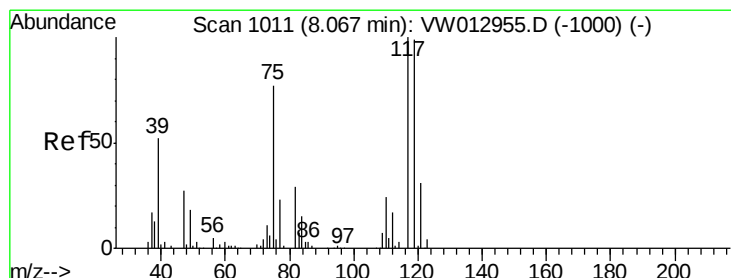
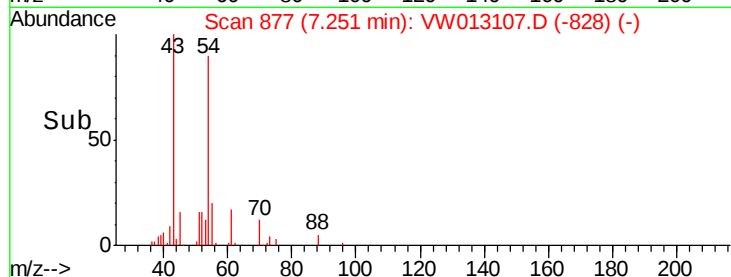
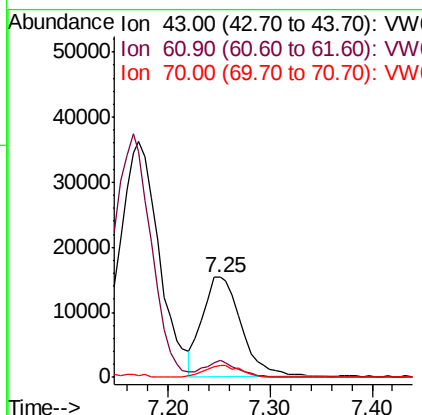
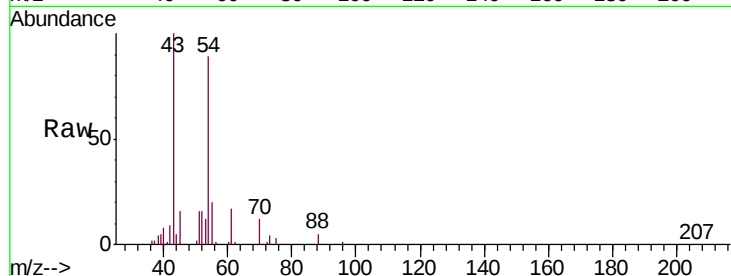




#37
 Ethyl Acetate
 Concen: 17.678 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

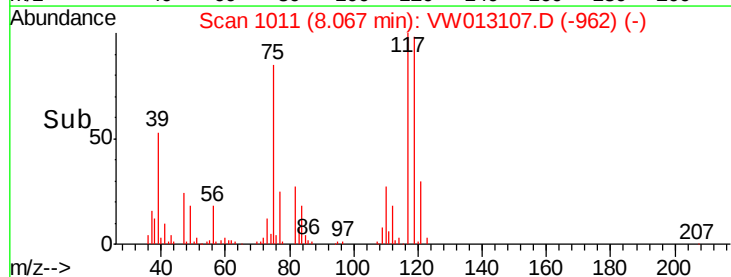
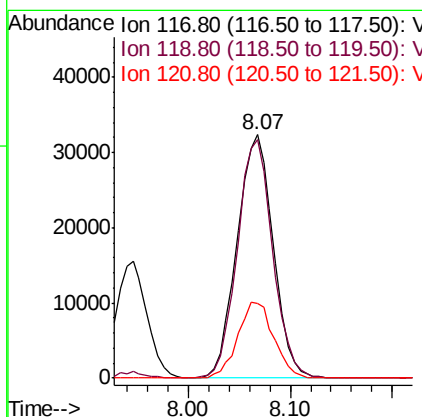
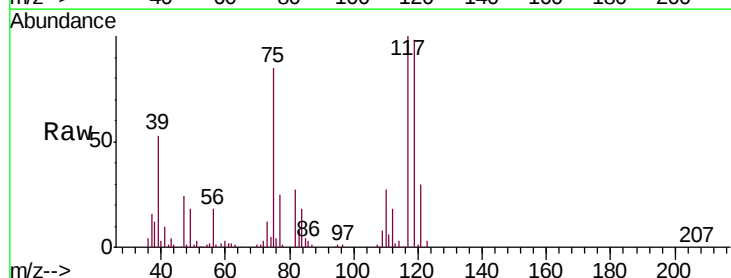
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

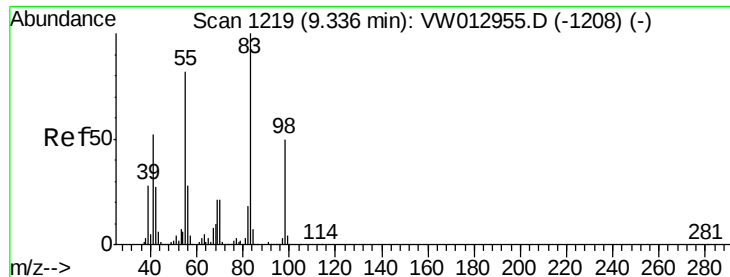
Tgt Ion: 43 Resp: 40731
 Ion Ratio Lower Upper
 43 100
 61 15.0 9.6 14.4#
 70 11.2 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 17.893 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 117 Resp: 79594
 Ion Ratio Lower Upper
 117 100
 119 97.8 79.4 119.0
 121 30.5 24.6 36.8

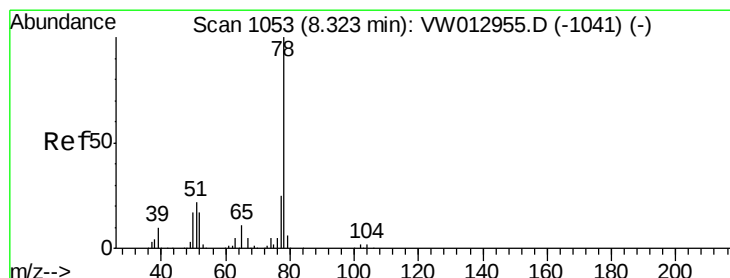
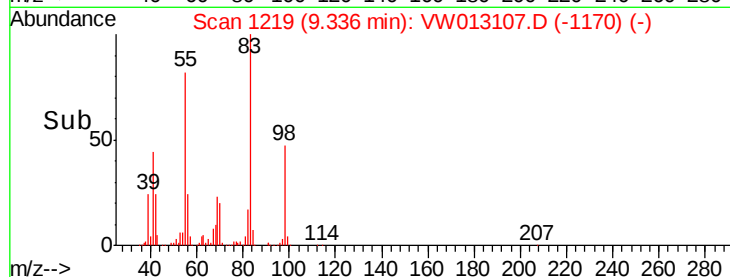
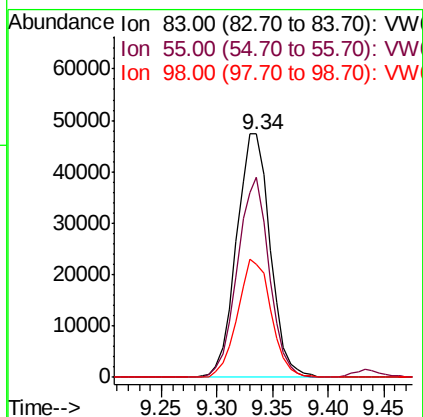
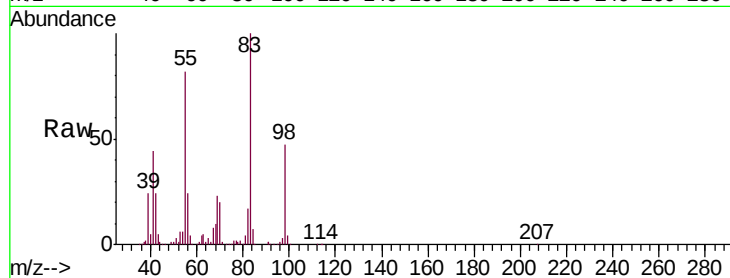




#39
Methylcyclohexane
Concen: 20.874 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

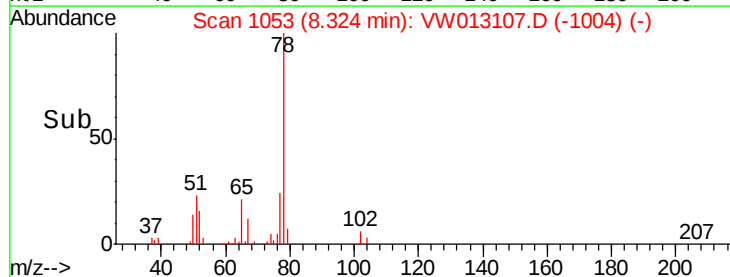
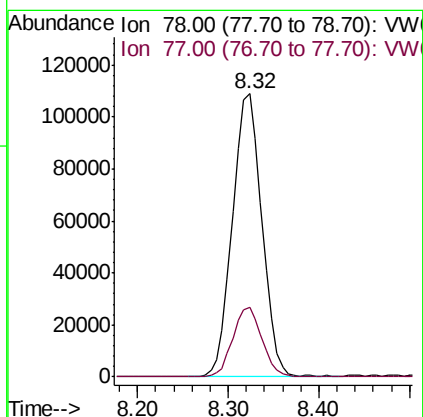
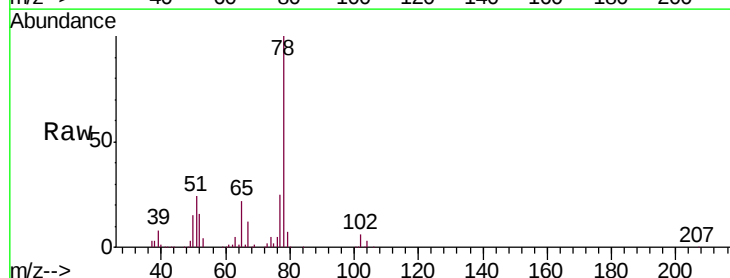
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

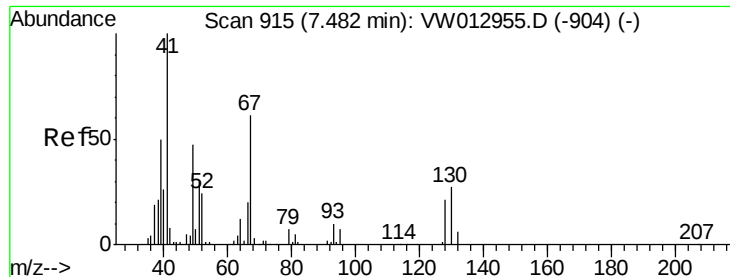
Tgt Ion: 83 Resp: 99289
Ion Ratio Lower Upper
83 100
55 82.3 65.9 98.9
98 46.6 39.6 59.4



#40
Benzene
Concen: 20.317 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 78 Resp: 246206
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4





#41

Methacrylonitrile

Concen: 16.088 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

Tgt Ion: 41 Resp: 24411

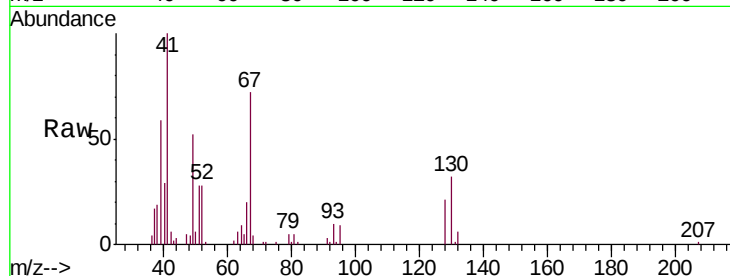
Ion Ratio Lower Upper

41 100

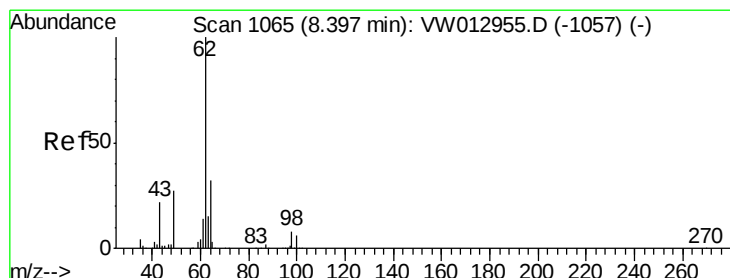
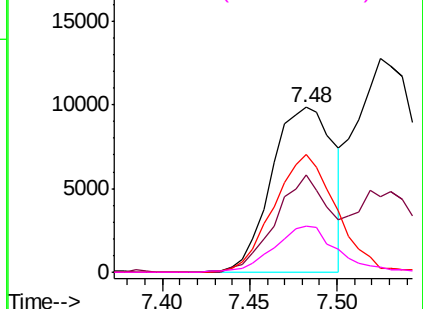
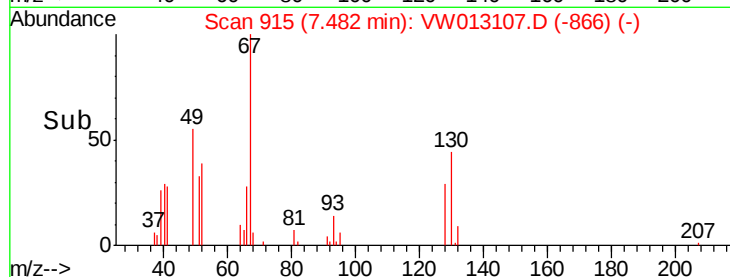
39 50.6 48.2 72.4

67 72.4 47.5 71.3#

52 28.7 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: 17.277 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013107.D

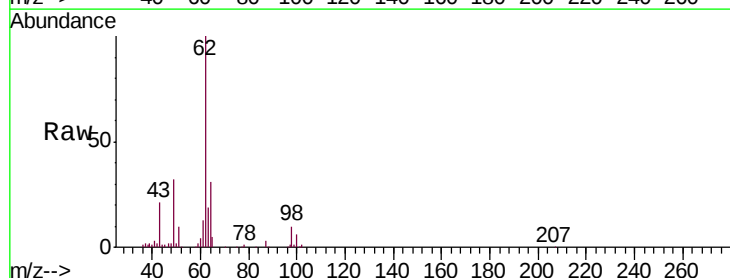
Acq: 18 Sep 2019 12:35

Tgt Ion: 62 Resp: 70182

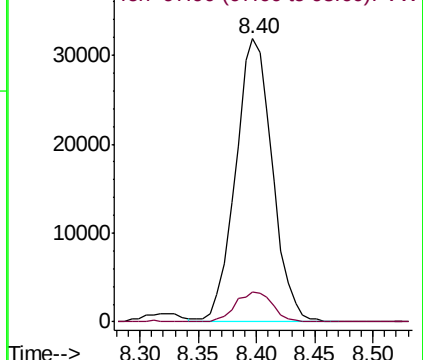
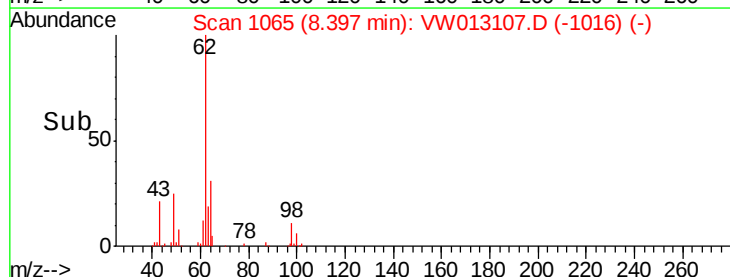
Ion Ratio Lower Upper

62 100

98 10.7 0.0 16.8



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

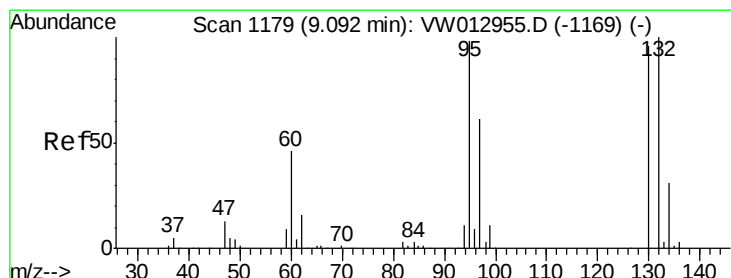
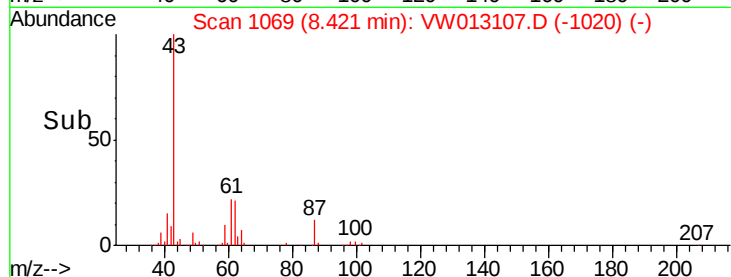
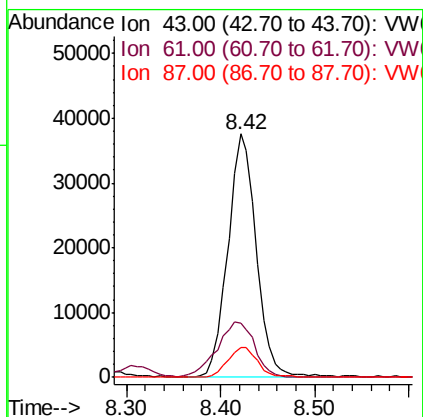
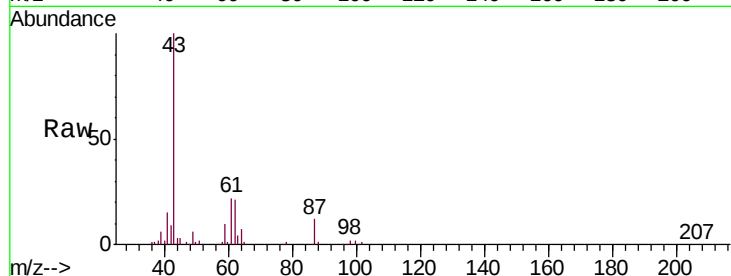




#43
Isopropyl Acetate
Concen: 17.770 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

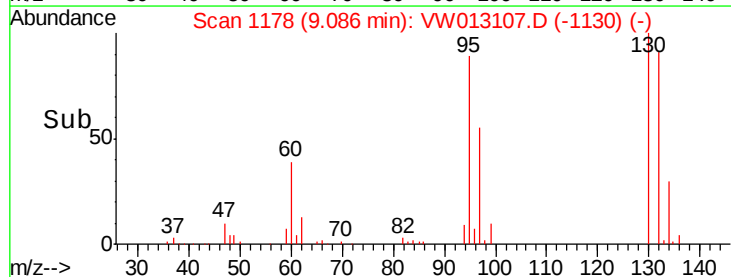
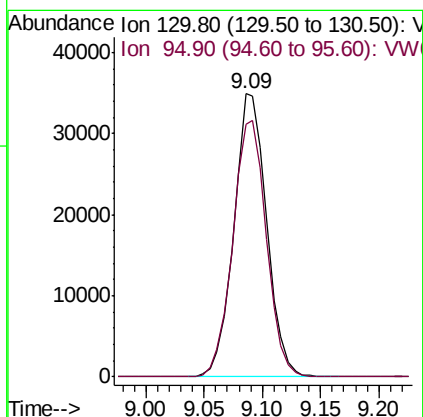
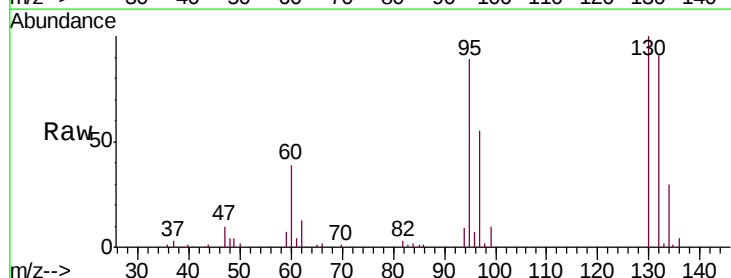
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

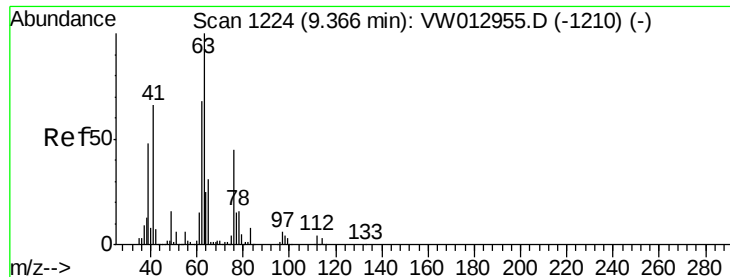
Tgt Ion: 43 Resp: 78612
Ion Ratio Lower Upper
43 100
61 30.3 22.7 34.1
87 12.9 9.4 14.2



#44
Trichloroethene
Concen: 20.610 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 130 Resp: 68411
Ion Ratio Lower Upper
130 100
95 89.0 0.0 204.4





#45

1,2-Dichloropropane

Concen: 20.031 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

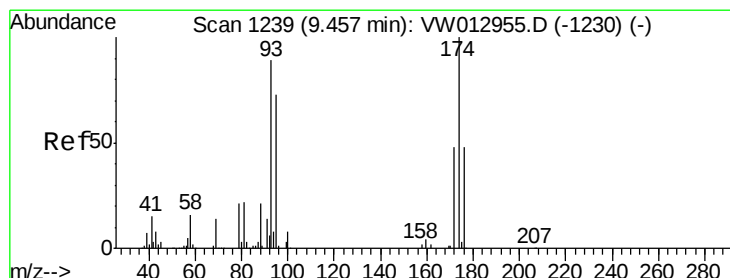
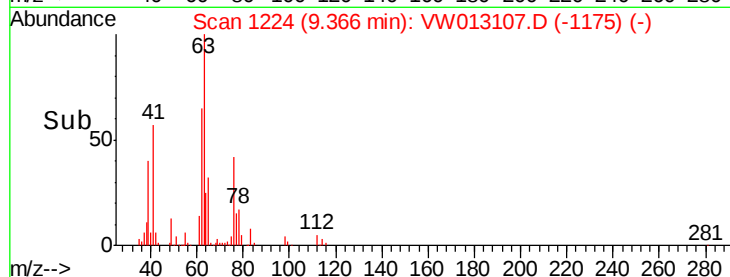
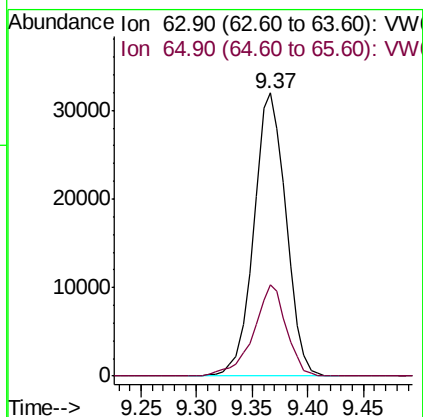
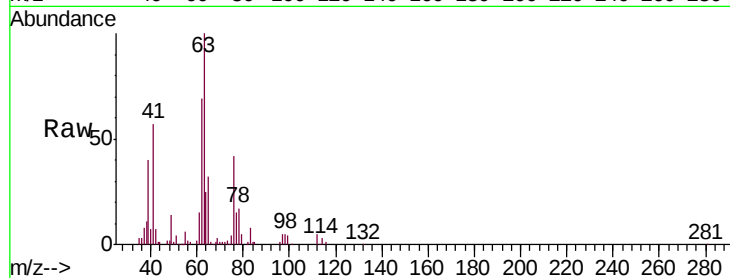
VW0918SBSD01

Tgt Ion: 63 Resp: 64494

Ion Ratio Lower Upper

63 100

65 32.1 24.6 37.0



#46

Dibromomethane

Concen: 20.136 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

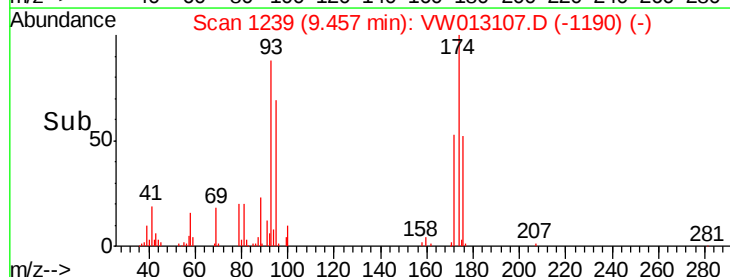
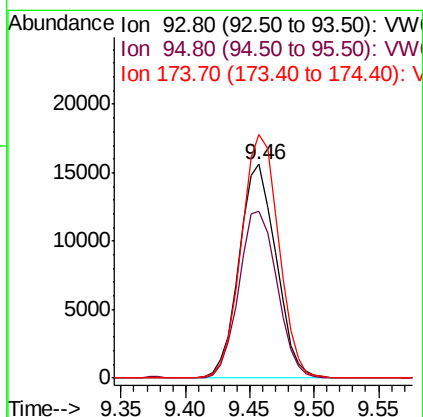
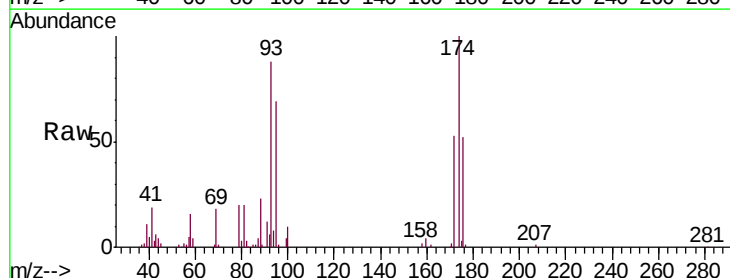
Tgt Ion: 93 Resp: 31060

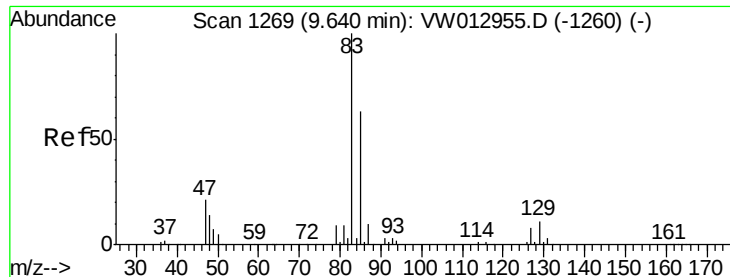
Ion Ratio Lower Upper

93 100

95 80.5 67.0 100.4

174 115.0 90.5 135.7





#47

Bromodichloromethane

Concen: 18.422 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

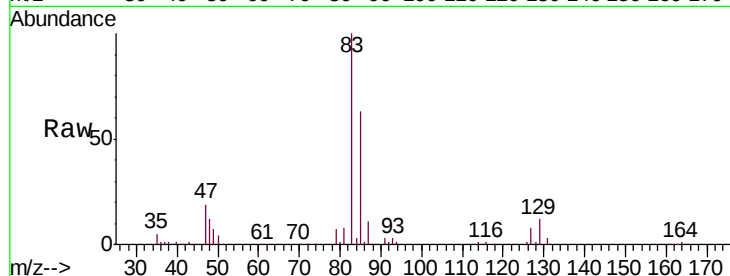
Tgt Ion: 83 Resp: 79706

Ion Ratio Lower Upper

83 100

85 63.4 50.6 75.8

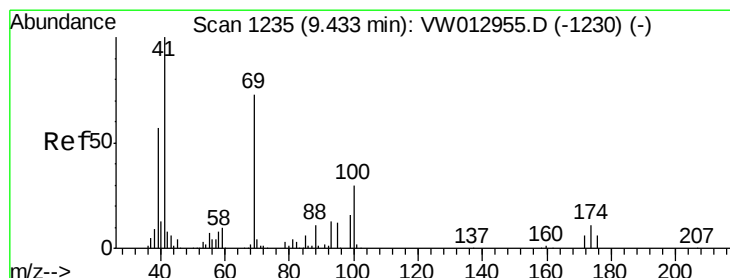
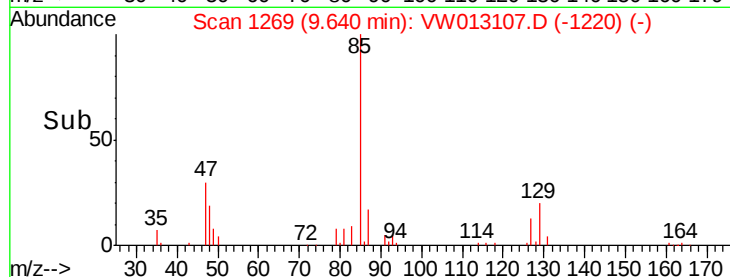
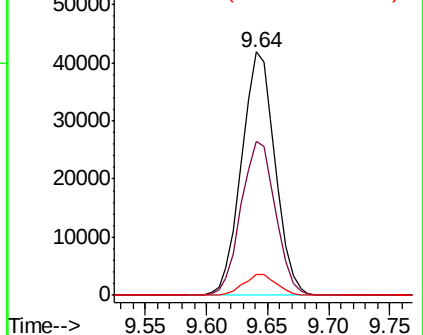
127 8.4 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 17.687 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

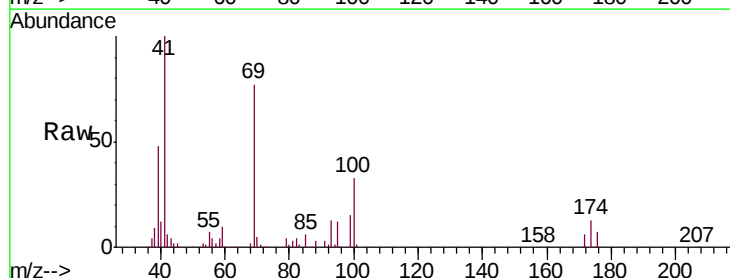
Tgt Ion: 41 Resp: 36723

Ion Ratio Lower Upper

41 100

69 83.9 62.8 94.2

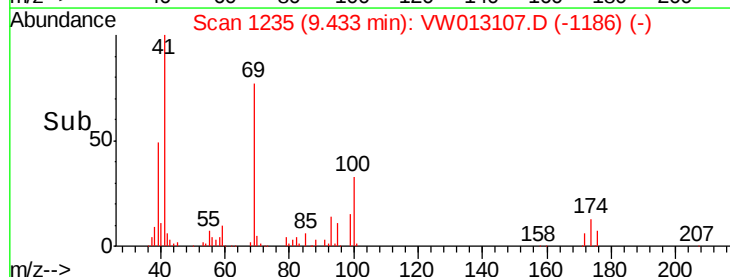
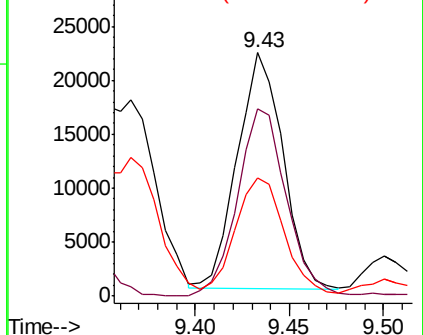
39 51.8 48.5 72.7

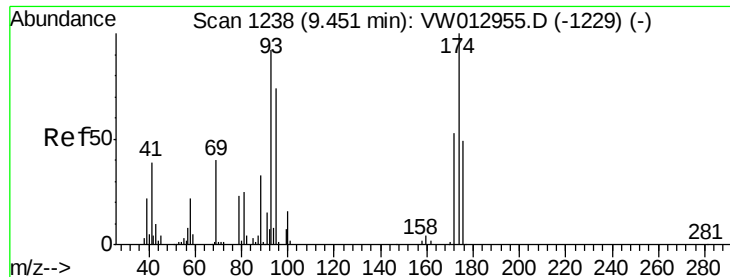


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 368.749 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

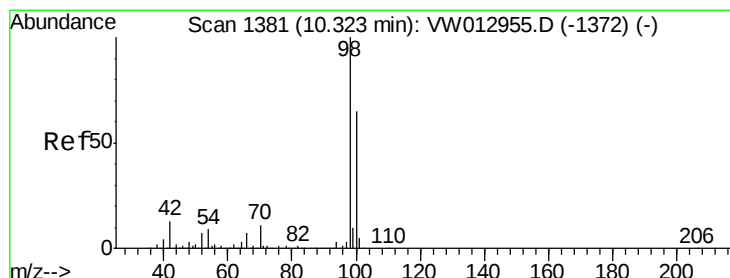
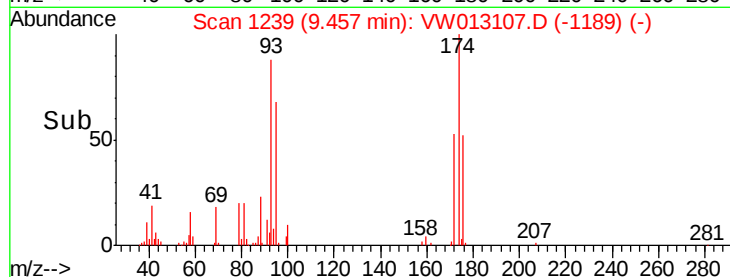
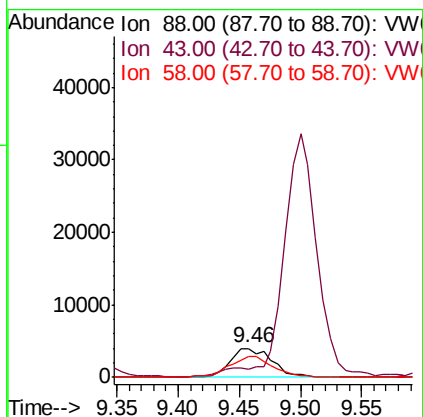
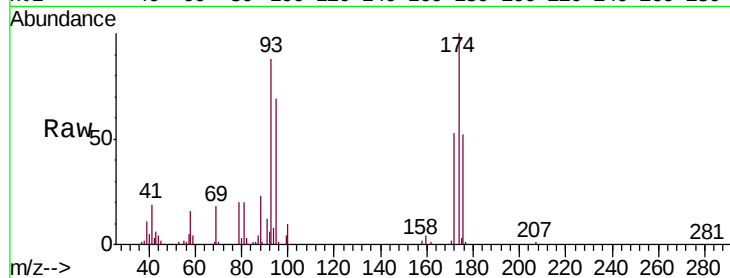
Tgt Ion: 88 Resp: 9531

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 76.4 60.2 90.2



#50

Toluene-d8

Concen: 47.899 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013107.D

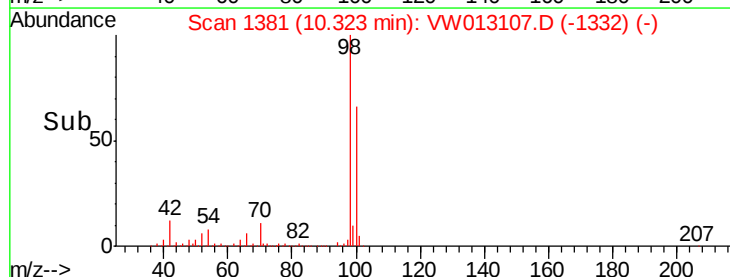
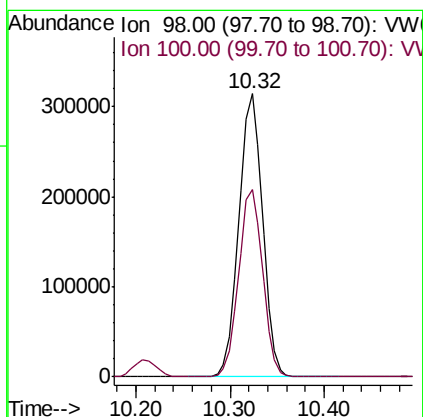
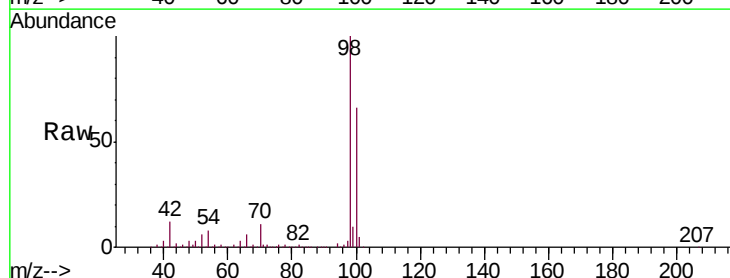
Acq: 18 Sep 2019 12:35

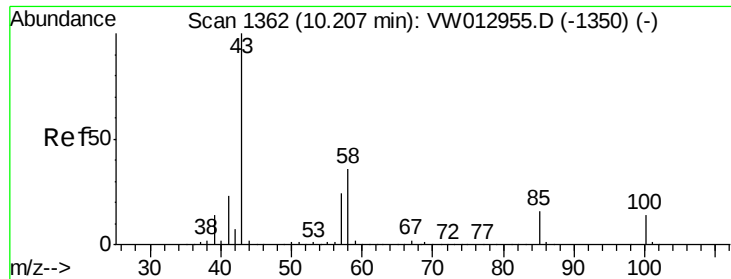
Tgt Ion: 98 Resp: 552488

Ion Ratio Lower Upper

98 100

100 66.9 52.1 78.1

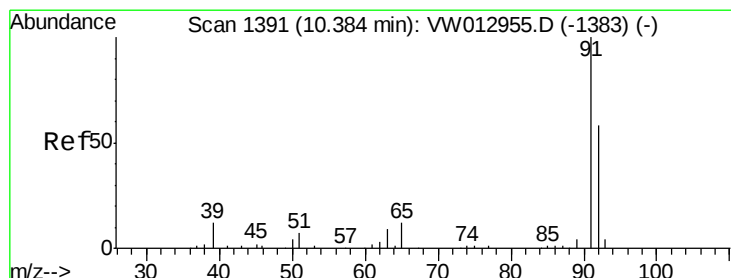
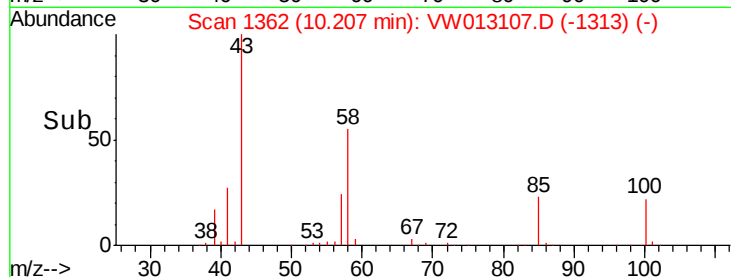
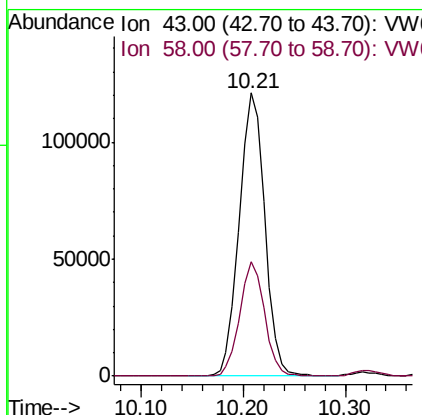
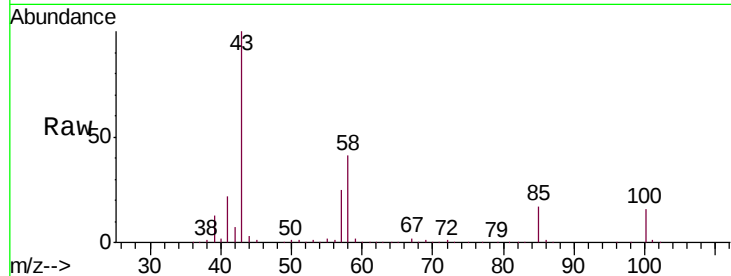




#51
 4-Methyl-2-Pentanone
 Concen: 92.202 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

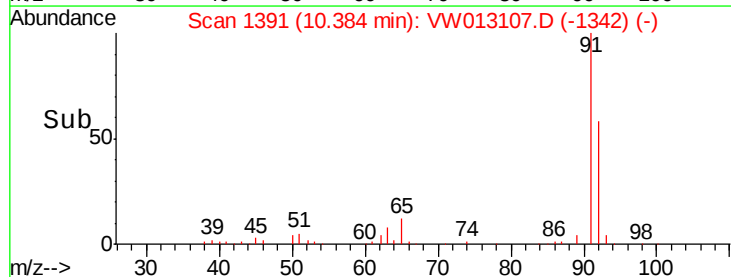
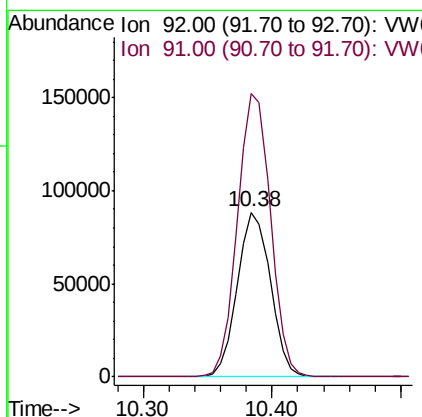
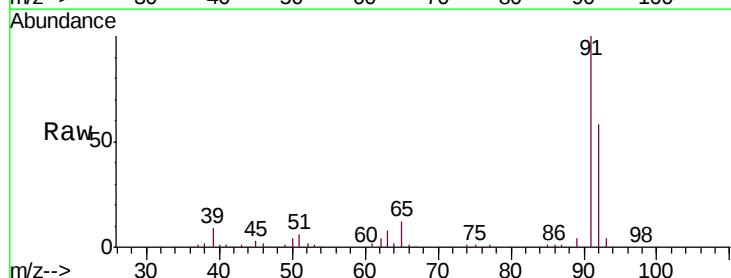
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

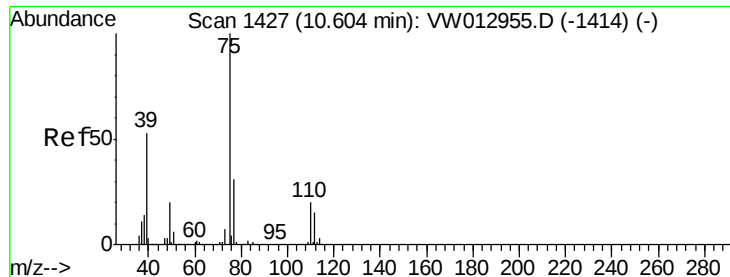
Tgt Ion: 43 Resp: 210586
 Ion Ratio Lower Upper
 43 100
 58 39.2 29.5 44.3



#52
 Toluene
 Concen: 20.444 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 92 Resp: 157426
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.664 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

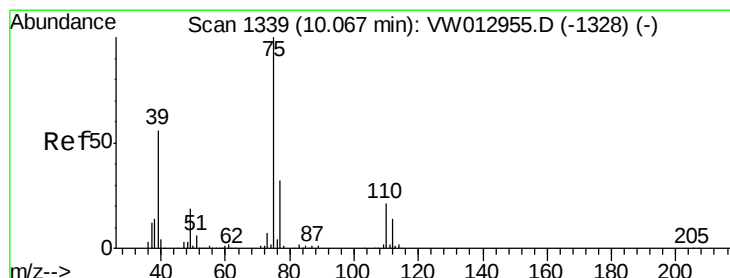
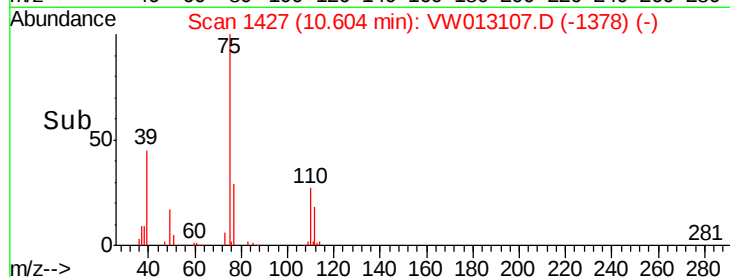
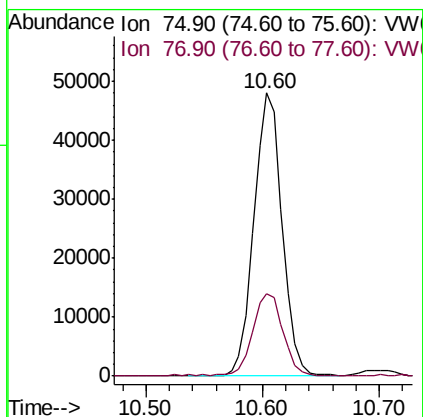
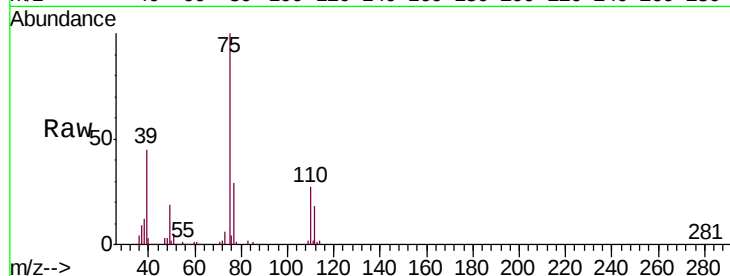
VW0918SBSD01

Tgt Ion: 75 Resp: 81215

Ion Ratio Lower Upper

75 100

77 28.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.193 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

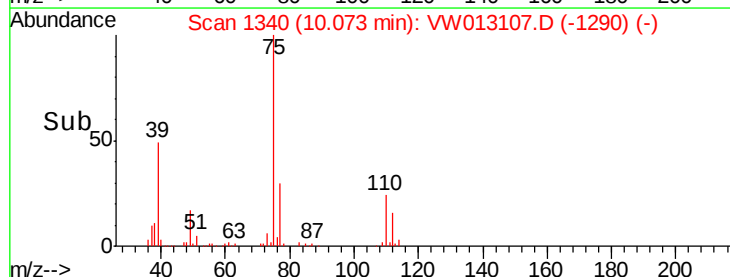
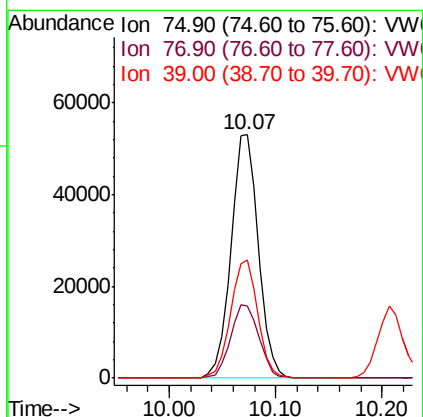
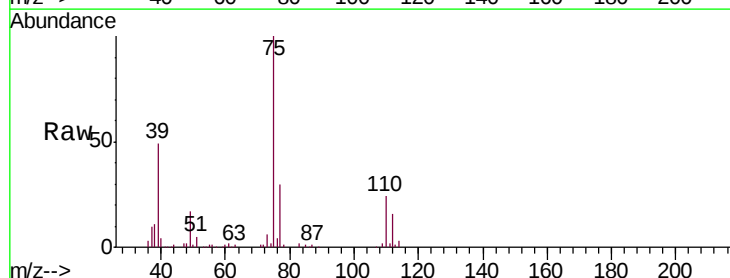
Tgt Ion: 75 Resp: 95562

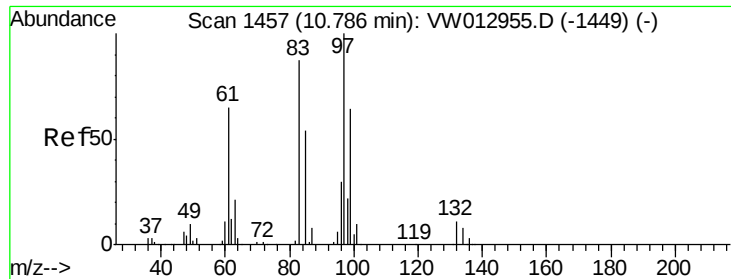
Ion Ratio Lower Upper

75 100

77 29.8 25.5 38.3

39 48.5 45.0 67.6

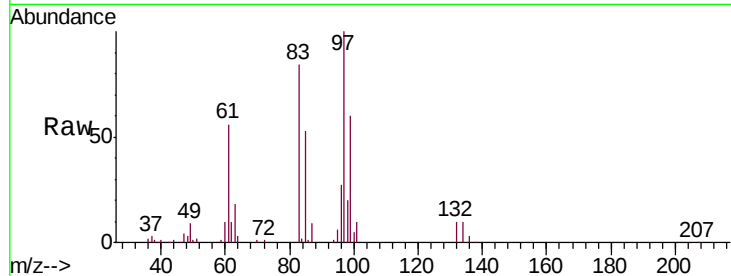




#55
 1,1,2-Trichloroethane
 Concen: 20.579 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Tgt Ion:	97	Resp:	48359
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.4	104.0
85	53.5	43.3	64.9
99	60.1	50.9	76.3



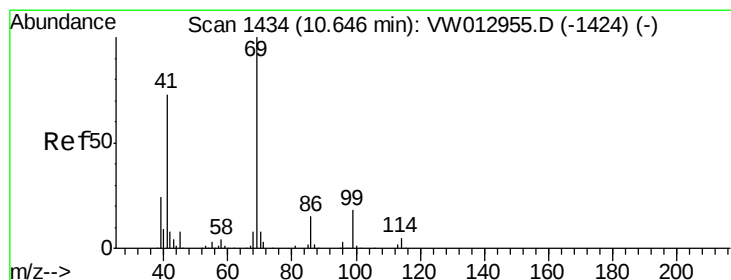
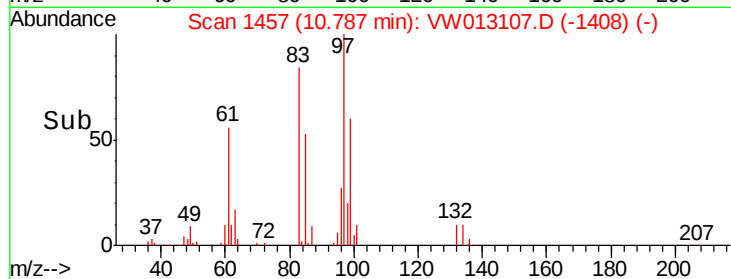
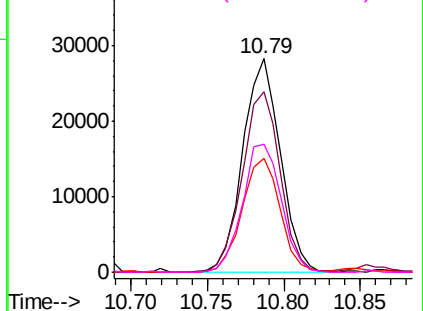
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

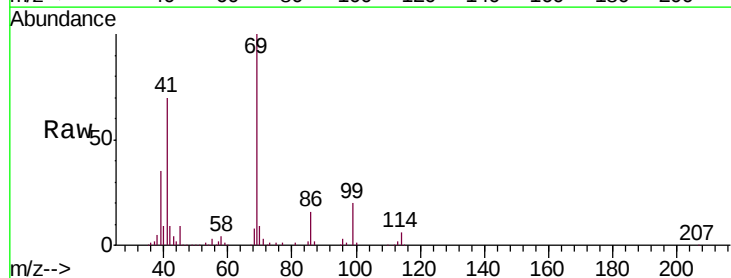
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.475 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion:	69	Resp:	61599
Ion	Ratio	Lower	Upper
69	100		
41	71.9	60.8	91.2
39	30.0	29.4	44.0

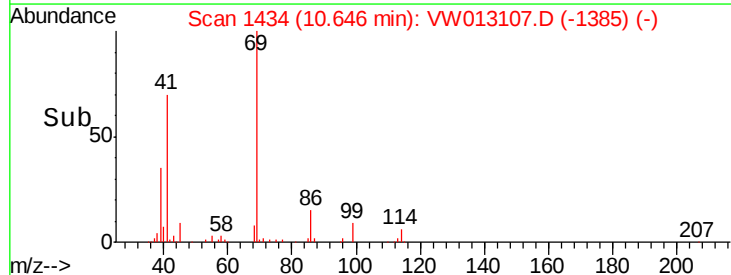
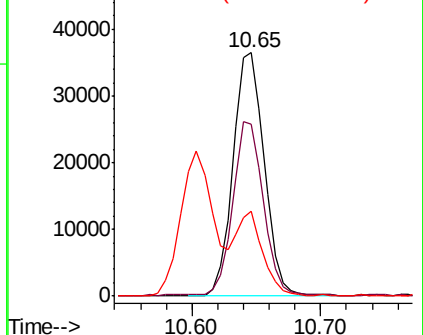


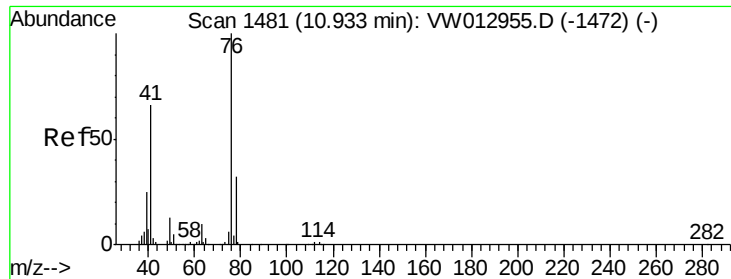
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

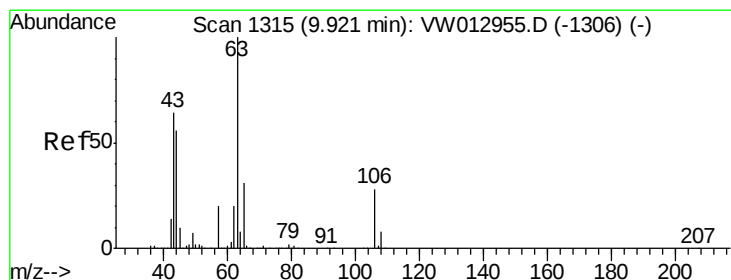
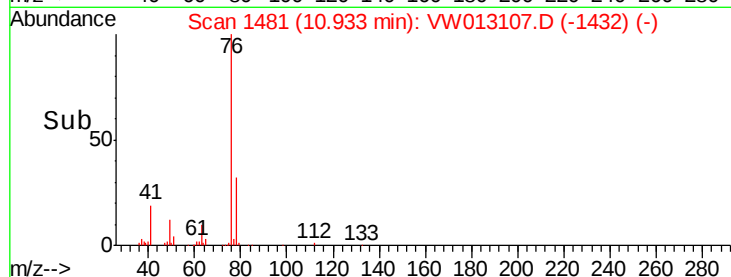
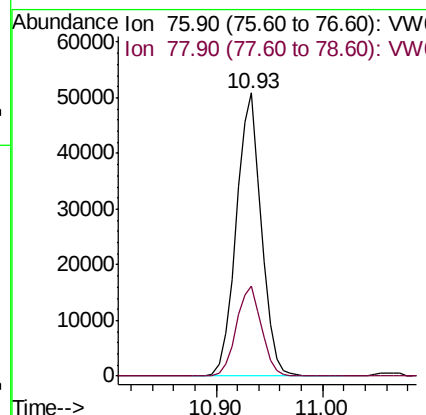
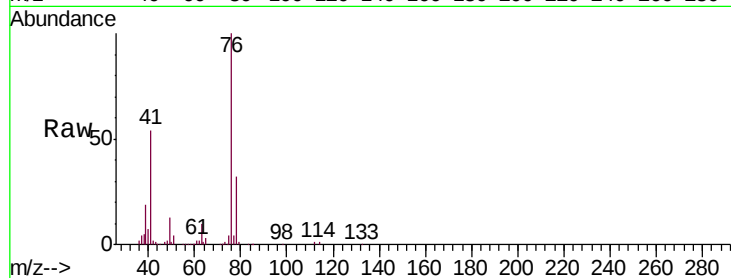




#57
 1,3-Dichloropropane
 Concen: 20.055 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

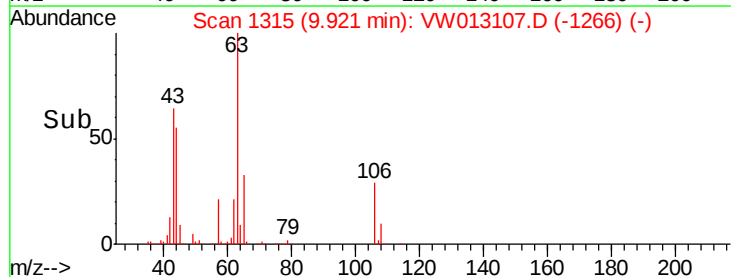
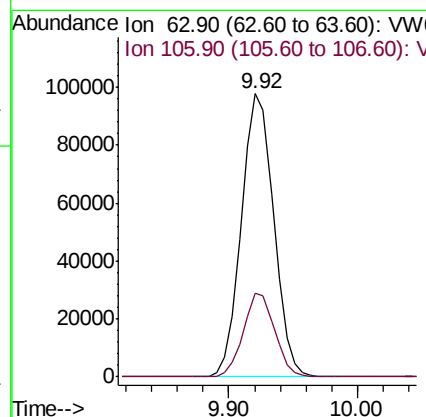
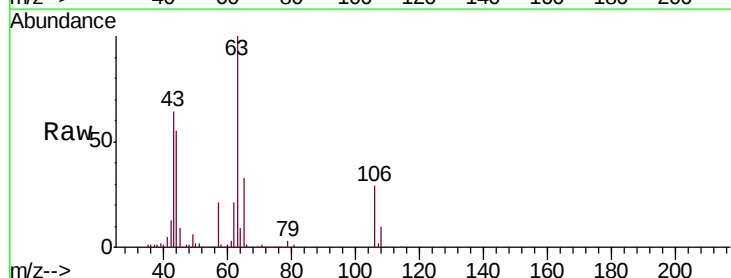
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

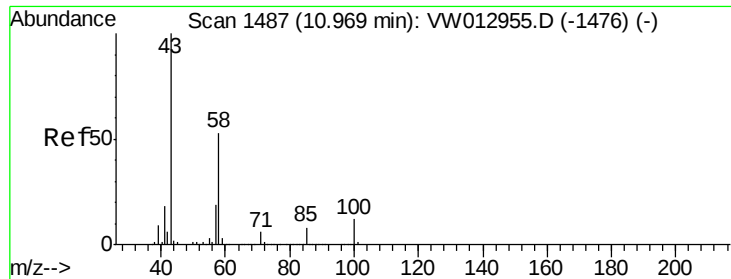
Tgt Ion: 76 Resp: 83598
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.048 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 63 Resp: 169753
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.2 33.2

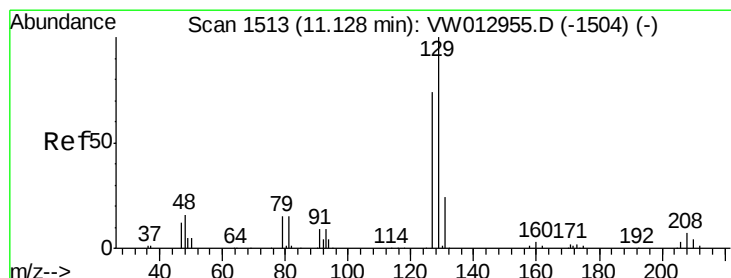
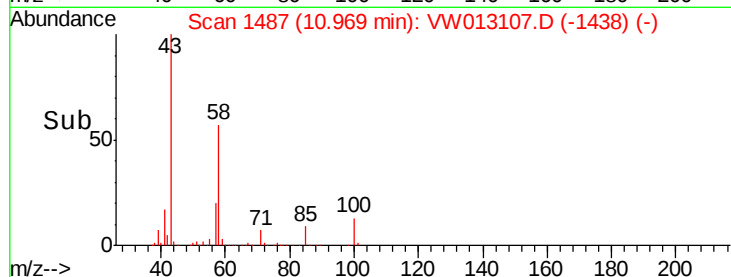
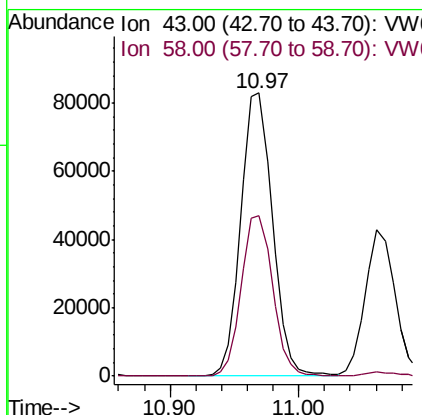
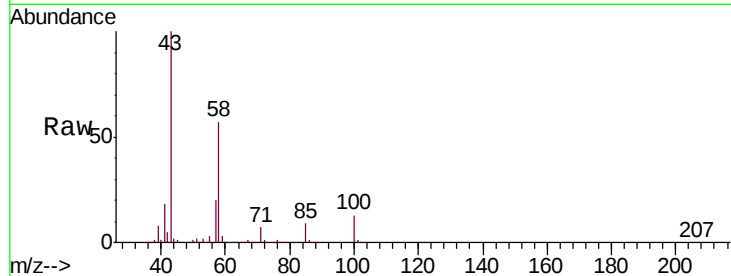




#59
2-Hexanone
Concen: 89.135 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

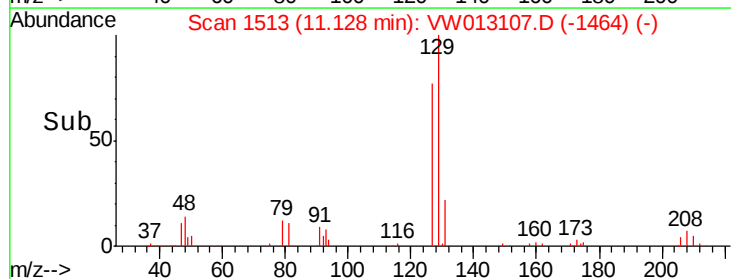
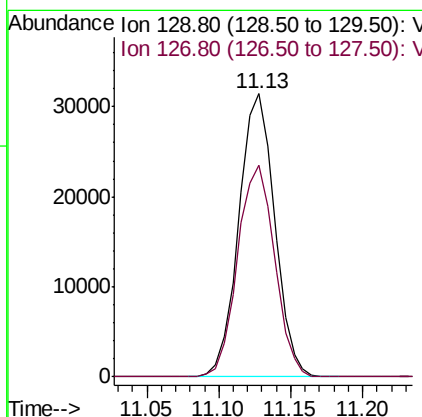
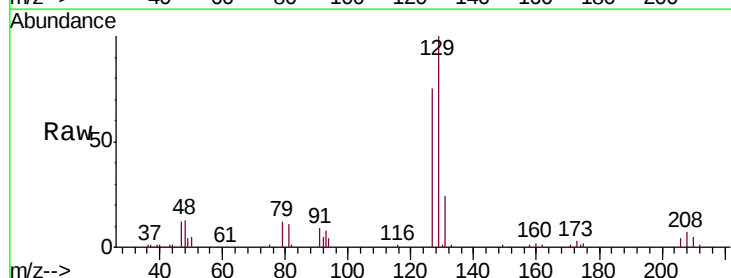
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

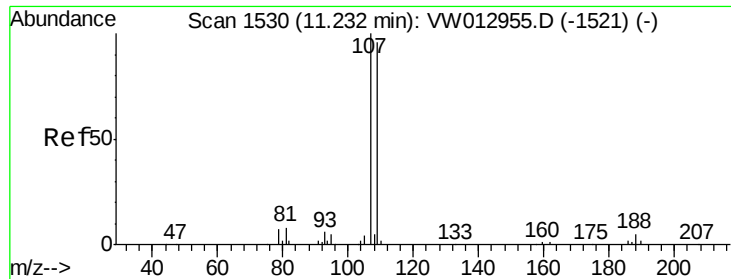
Tgt Ion: 43 Resp: 141756
Ion Ratio Lower Upper
43 100
58 56.2 25.8 77.3



#60
Dibromochloromethane
Concen: 19.124 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 129 Resp: 54330
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2

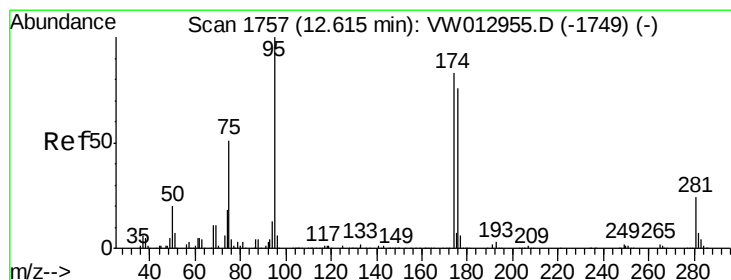
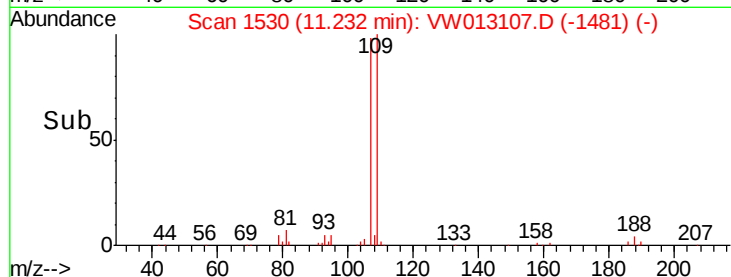
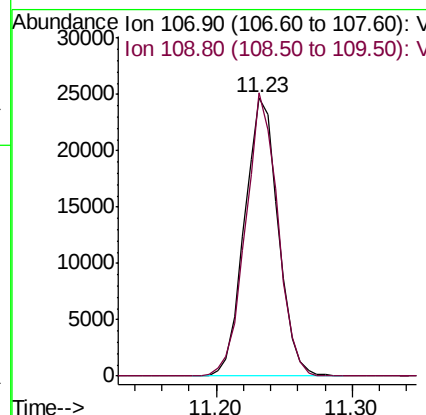
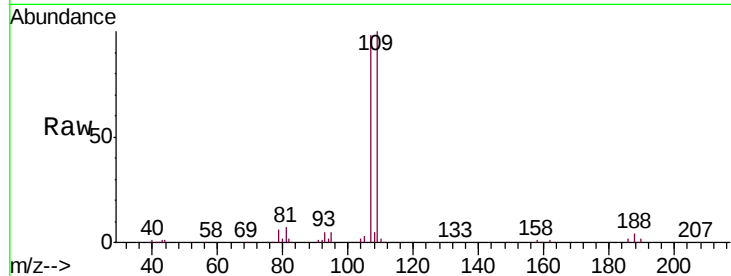




#61
 1,2-Dibromoethane
 Concen: 19.897 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

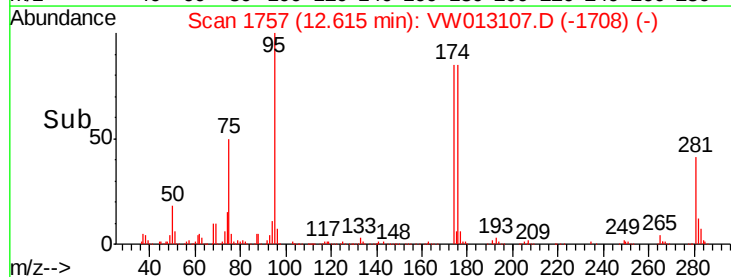
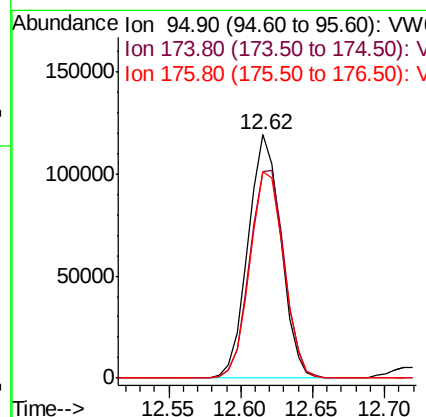
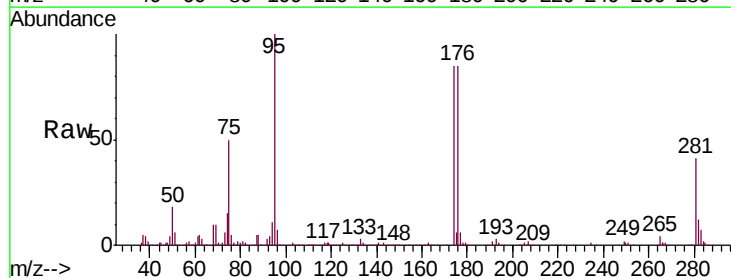
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

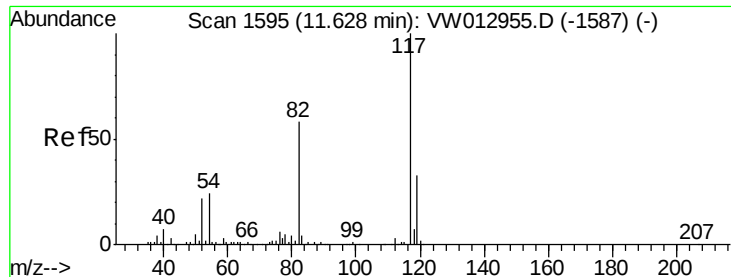
Tgt Ion: 107 Resp: 42652
 Ion Ratio Lower Upper
 107 100
 109 97.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 45.376 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 95 Resp: 188197
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 170.4
 176 87.4 0.0 164.6

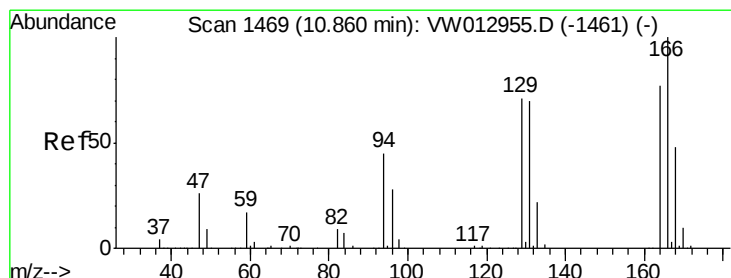
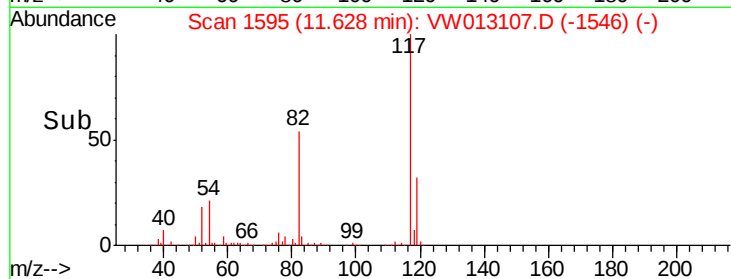
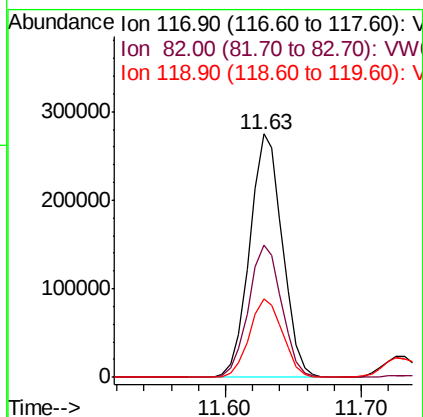
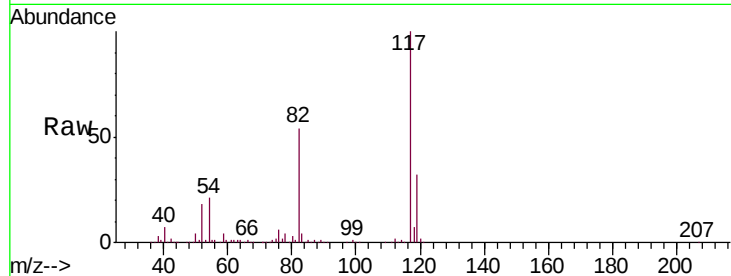




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

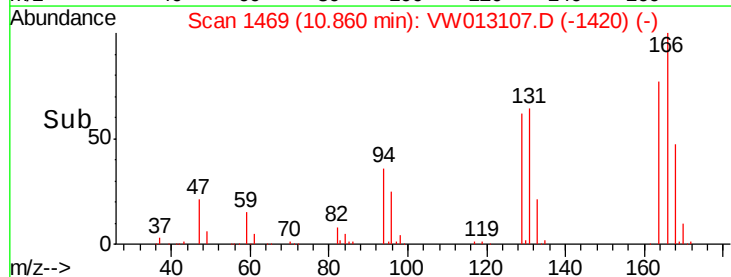
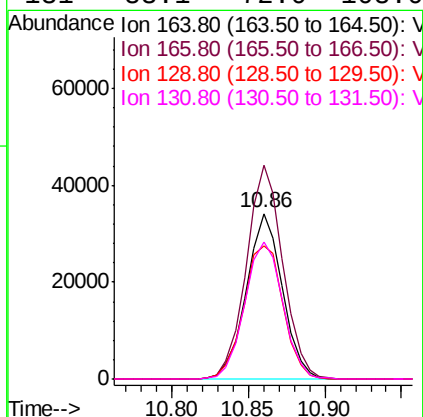
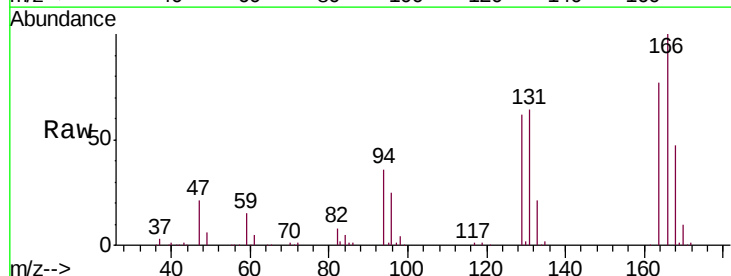
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

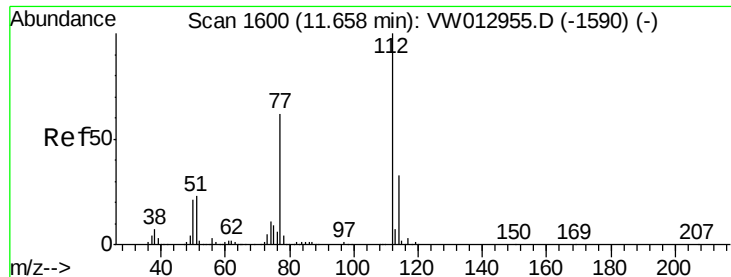
Tgt Ion:117 Resp: 463311
Ion Ratio Lower Upper
117 100
82 54.1 46.3 69.5
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 20.260 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion:164 Resp: 55841
Ion Ratio Lower Upper
164 100
166 129.0 103.3 154.9
129 80.3 73.8 110.8
131 83.1 72.0 108.0

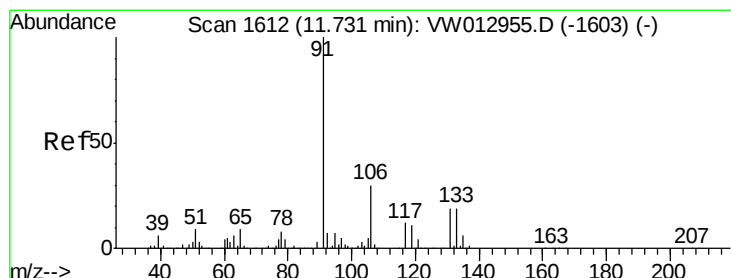
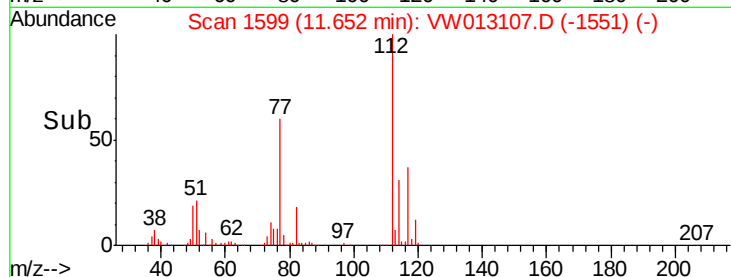
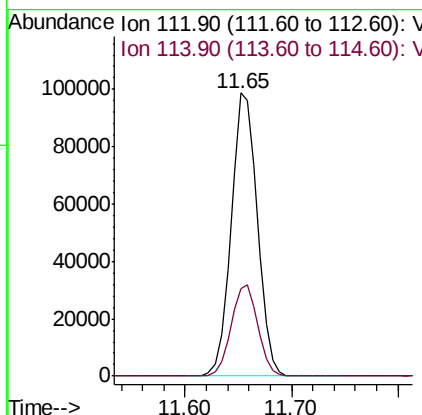
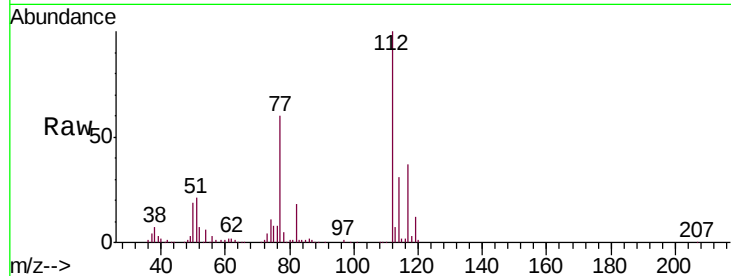




#65
Chlorobenzene
Concen: 20.604 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

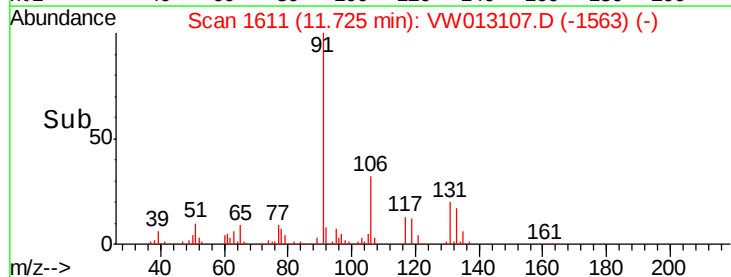
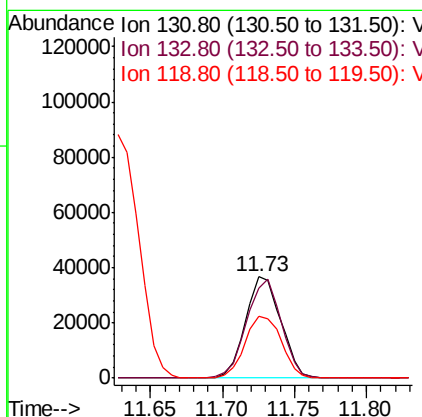
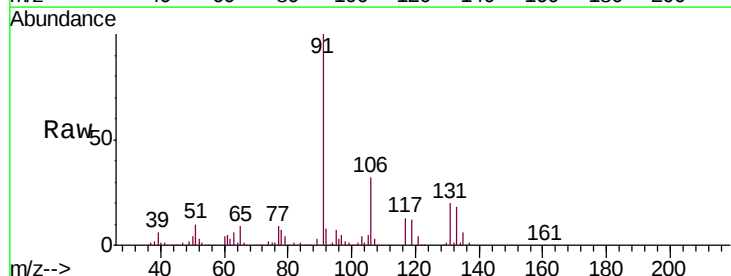
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

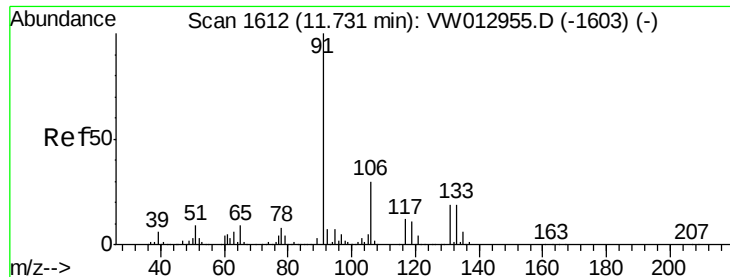
Tgt Ion:112 Resp: 170039
Ion Ratio Lower Upper
112 100
114 31.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.664 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion:131 Resp: 62190
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.8
119 63.2 30.9 92.7

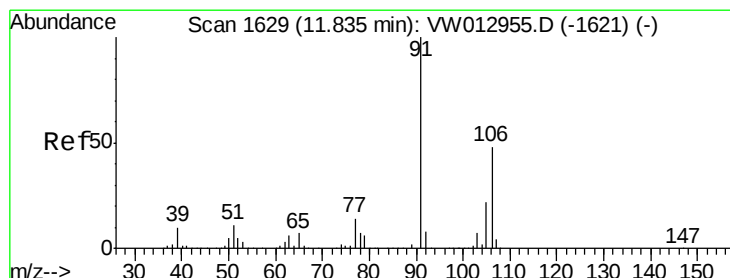
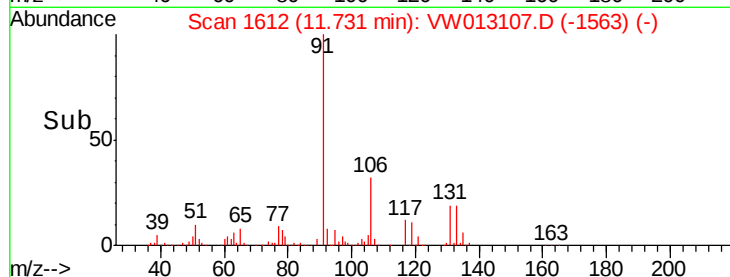
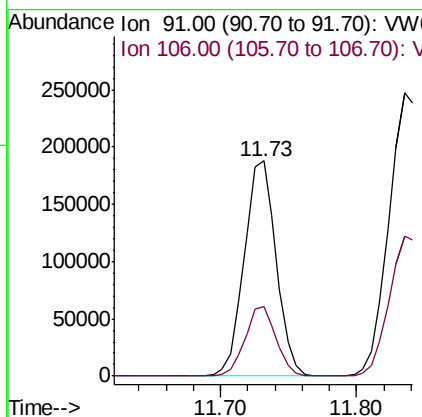
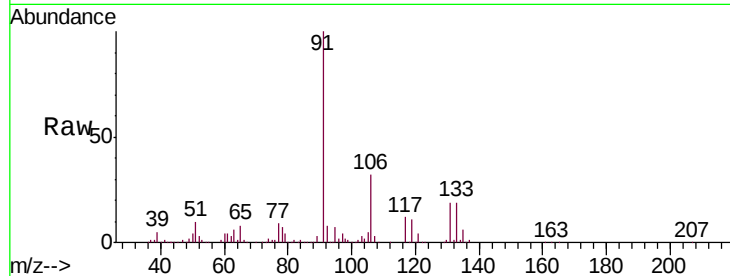




#67
Ethyl Benzene
Concen: 20.300 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

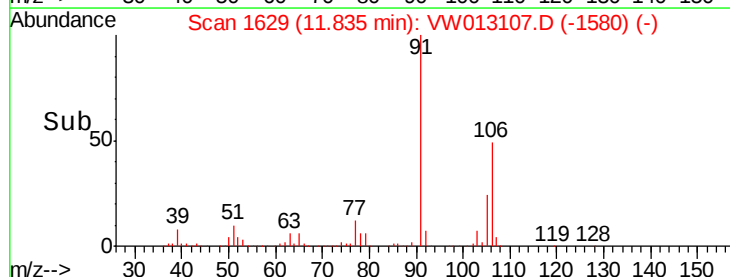
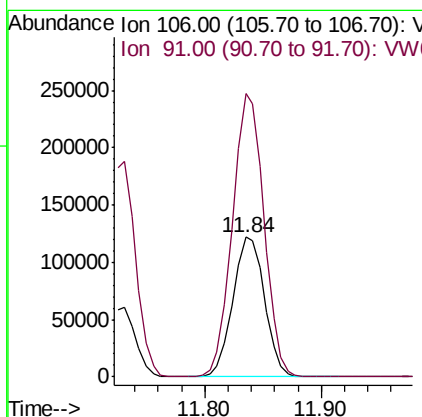
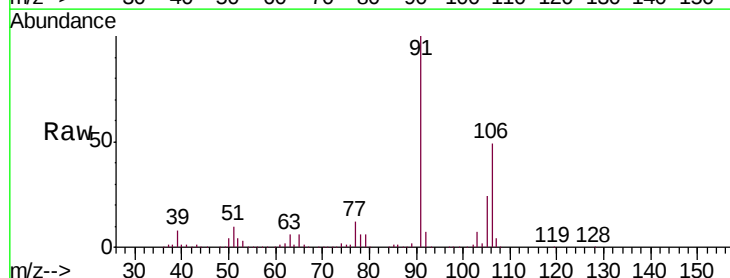
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

Tgt Ion: 91 Resp: 309399
Ion Ratio Lower Upper
91 100
106 32.5 24.3 36.5



#68
m/p-Xylenes
Concen: 41.623 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion: 106 Resp: 231755
Ion Ratio Lower Upper
106 100
91 201.2 165.8 248.8

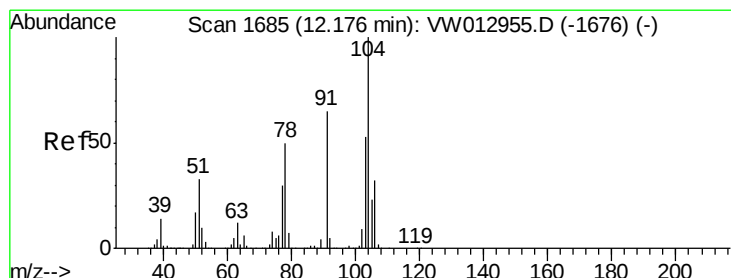
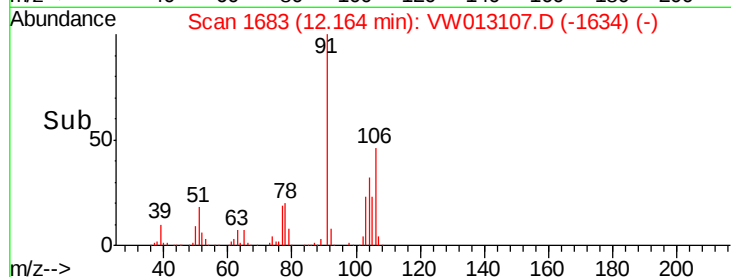
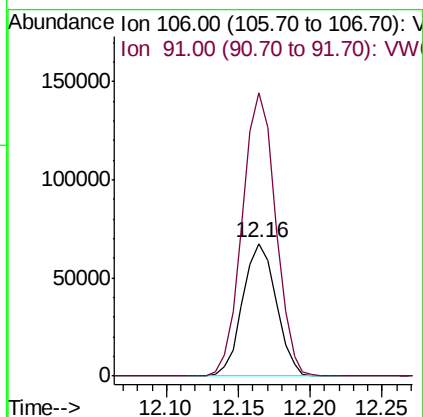
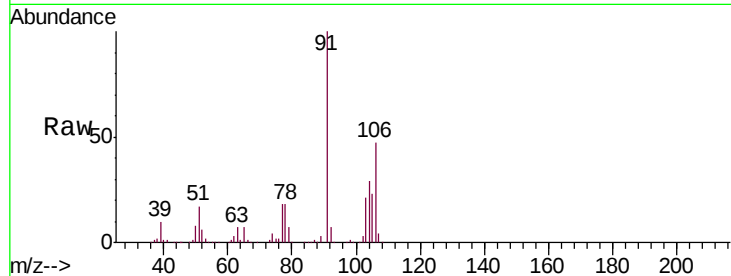




#69
o-Xylene
Concen: 20.964 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

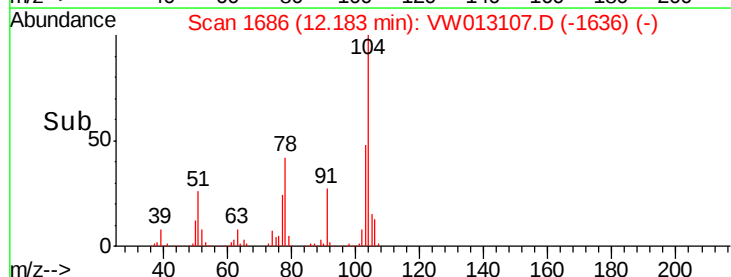
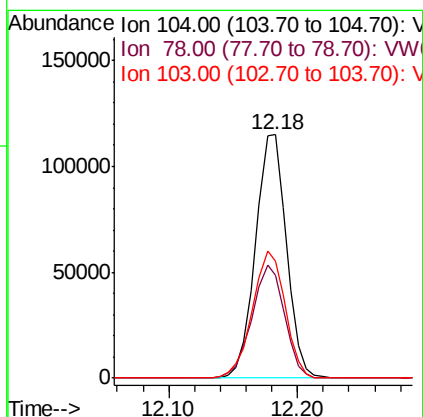
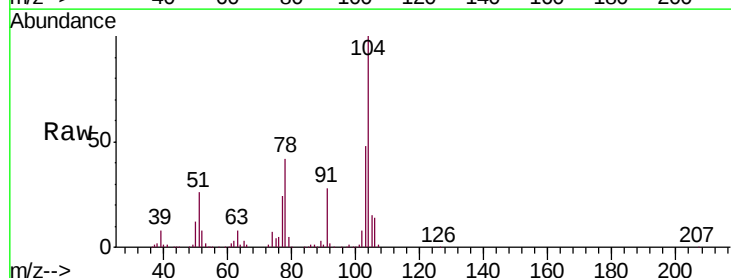
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

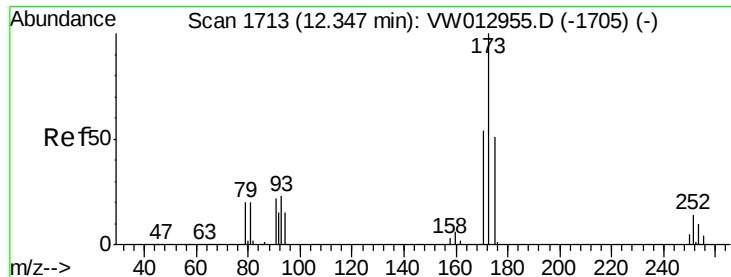
Tgt Ion:106 Resp: 109434
Ion Ratio Lower Upper
106 100
91 212.1 109.7 329.0



#70
Styrene
Concen: 20.536 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion:104 Resp: 190694
Ion Ratio Lower Upper
104 100
78 49.1 42.1 63.1
103 55.1 44.2 66.4





#71

Bromoform

Concen: 18.825 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

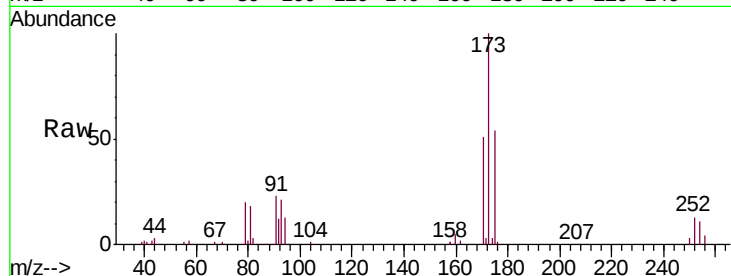
Tgt Ion:173 Resp: 31272

Ion Ratio Lower Upper

173 100

175 50.9 24.2 72.6

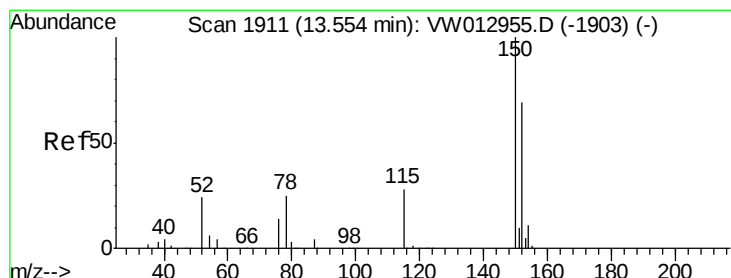
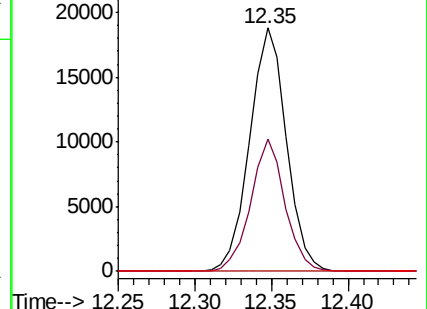
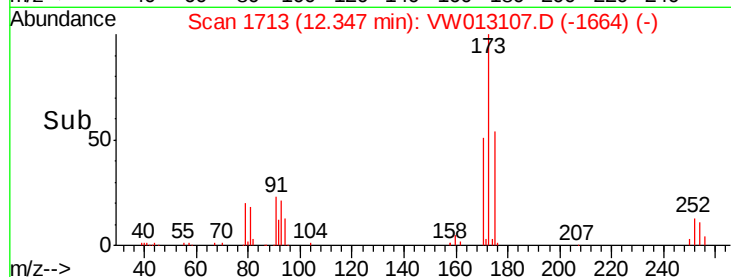
254 0.0 0.1 0.1#



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: VW013107.D

Acq: 18 Sep 2019 12:35

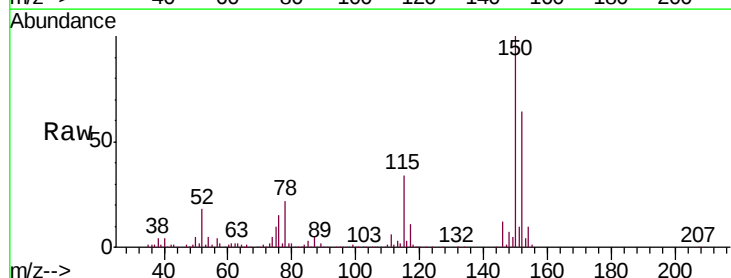
Tgt Ion:152 Resp: 234050

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.4

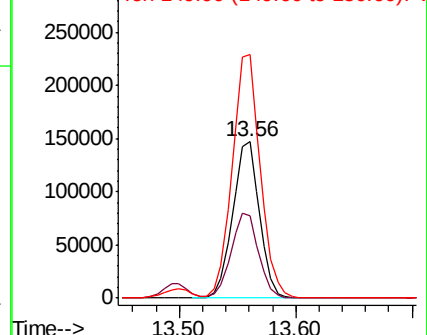
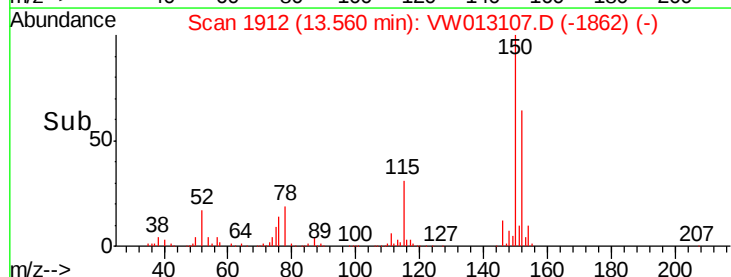
150 163.8 0.0 340.2

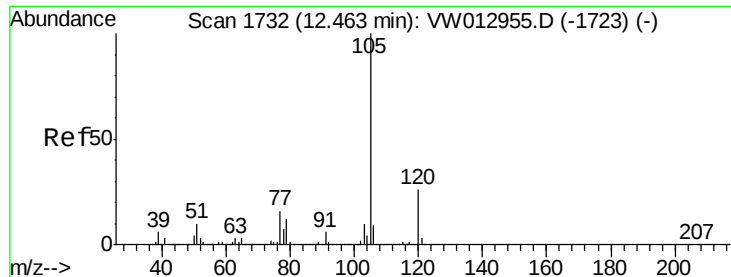


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.194 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

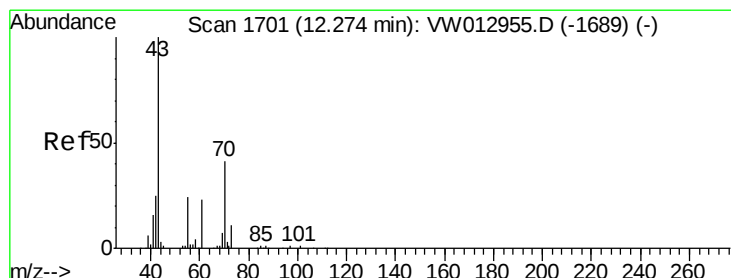
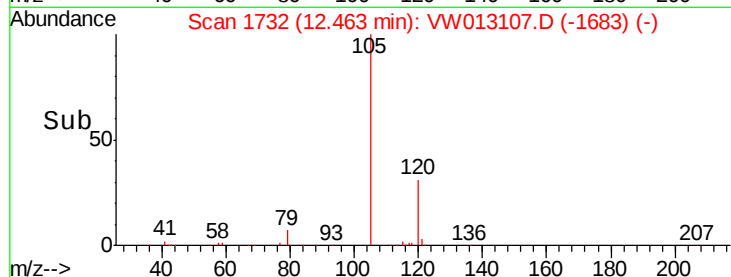
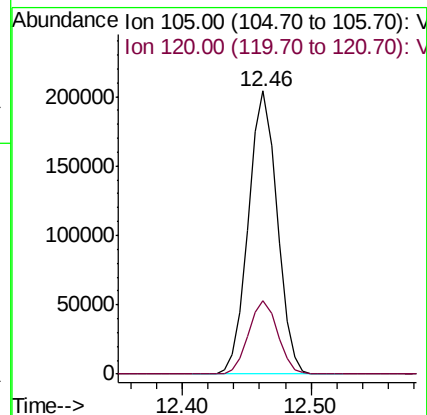
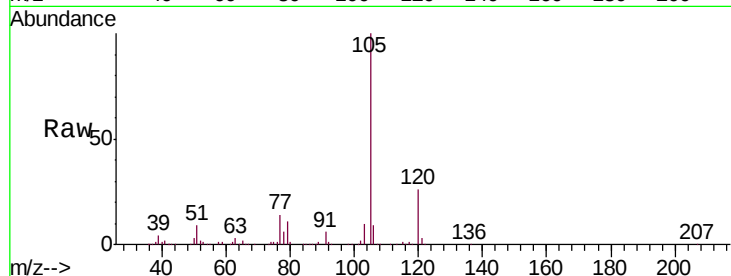
VW0918SBSD01

Tgt Ion:105 Resp: 313277

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 17.907 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Tgt Ion: 43 Resp: 71461

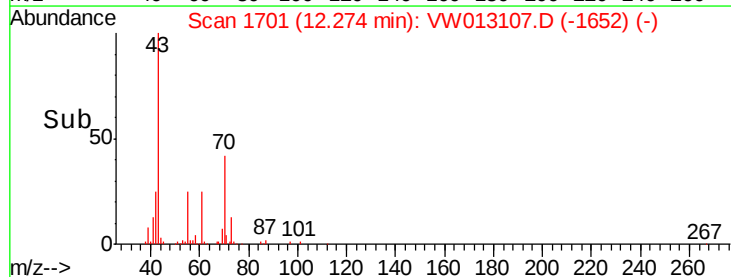
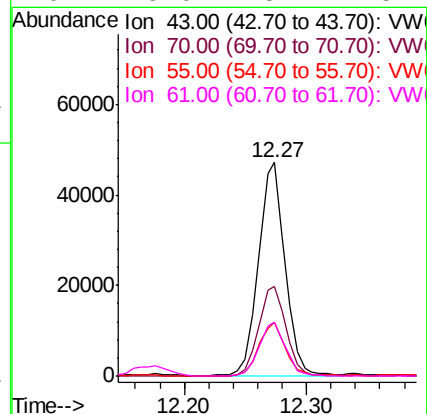
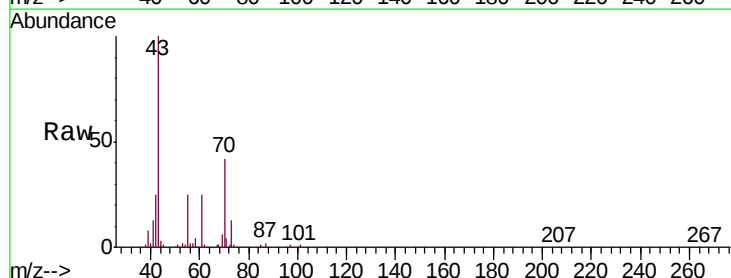
Ion Ratio Lower Upper

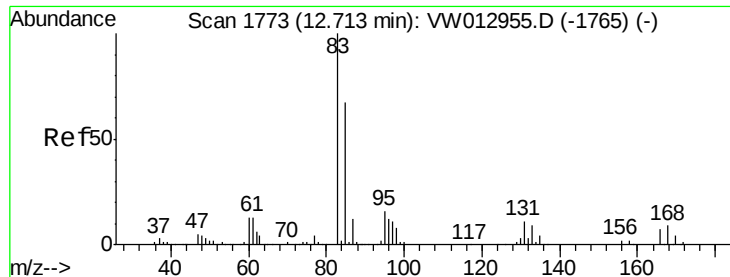
43 100

70 43.7 31.7 47.5

55 25.4 19.4 29.2

61 25.0 18.7 28.1

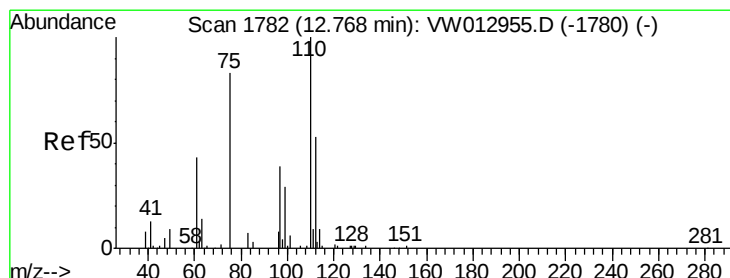
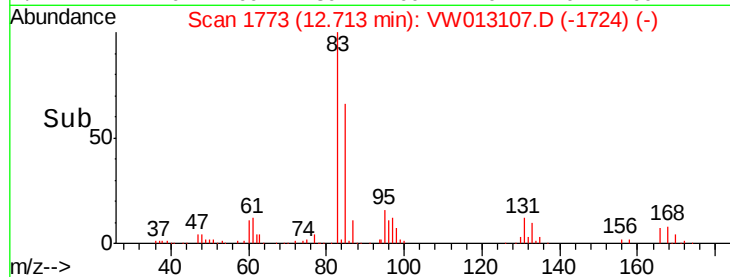
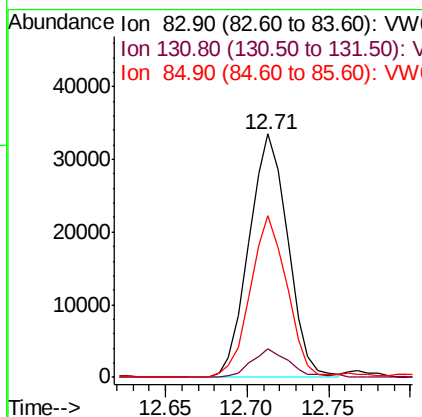
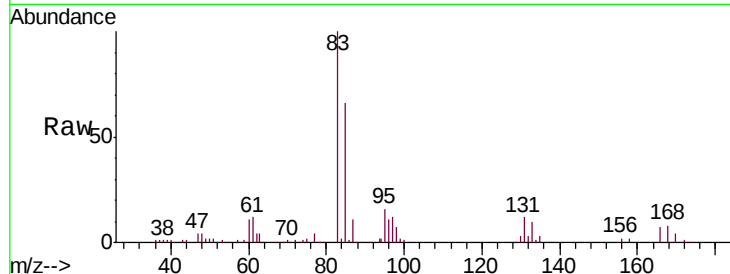




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.453 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

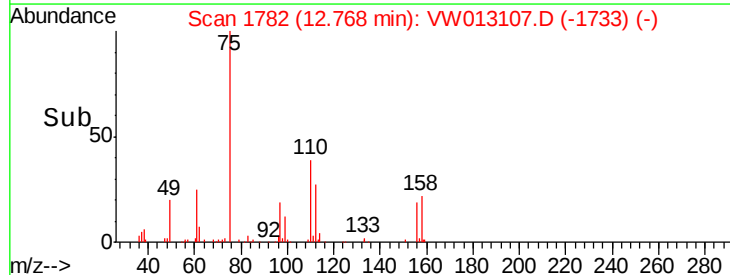
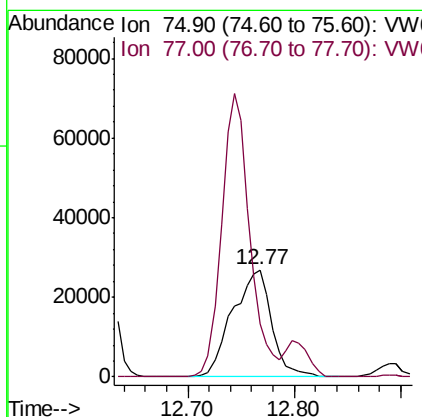
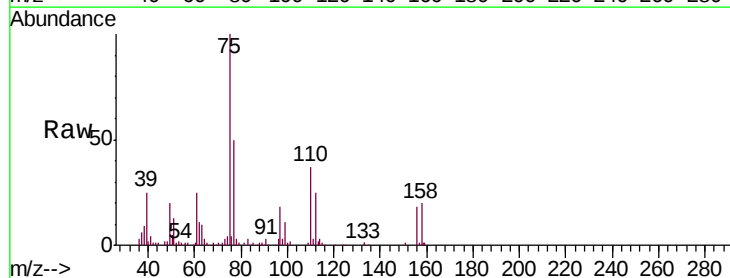
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

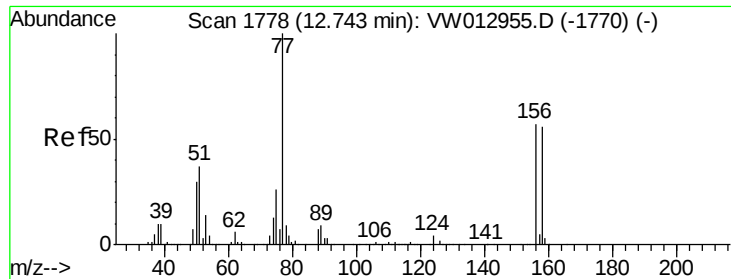
Tgt Ion: 83 Resp: 55730
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.7 17.1
 85 62.6 31.4 94.3



#76
 1,2,3-Trichloropropane
 Concen: 33.853 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion: 75 Resp: 69401
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.539 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

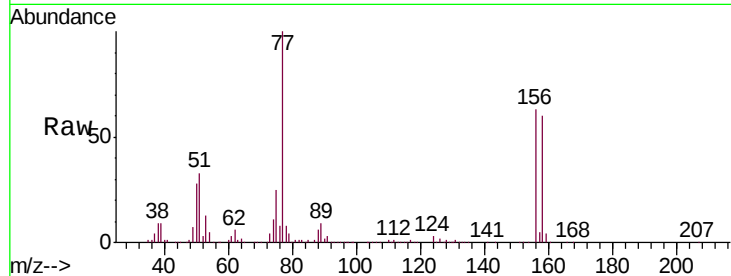
Tgt Ion:156 Resp: 73405

Ion Ratio Lower Upper

156 100

77 179.2 95.2 285.6

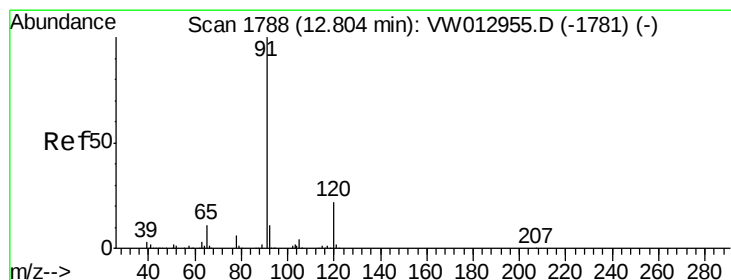
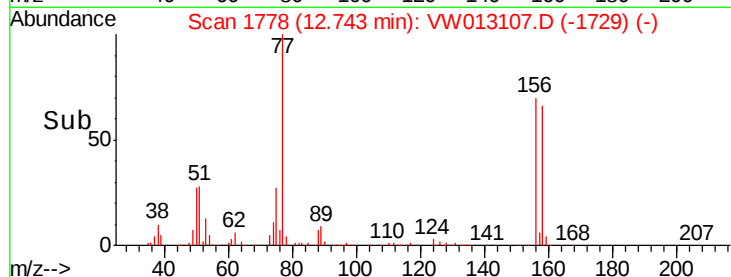
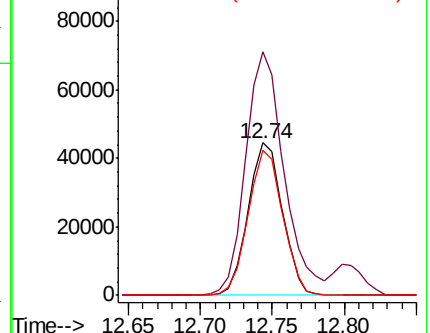
158 95.8 49.0 147.2



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: 19.968 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013107.D

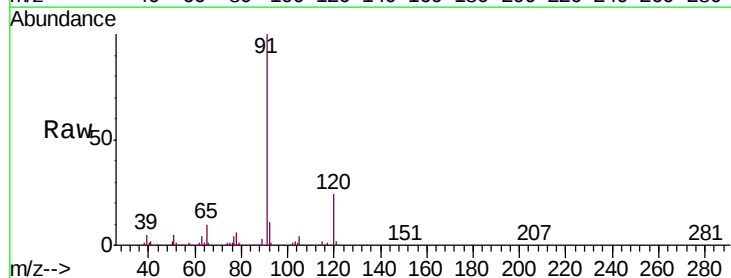
Acq: 18 Sep 2019 12:35

Tgt Ion: 91 Resp: 364390

Ion Ratio Lower Upper

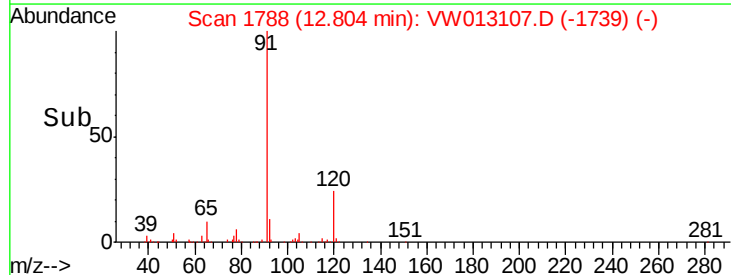
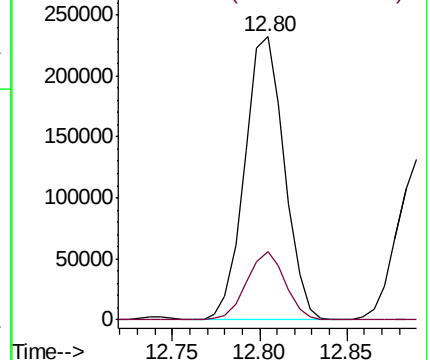
91 100

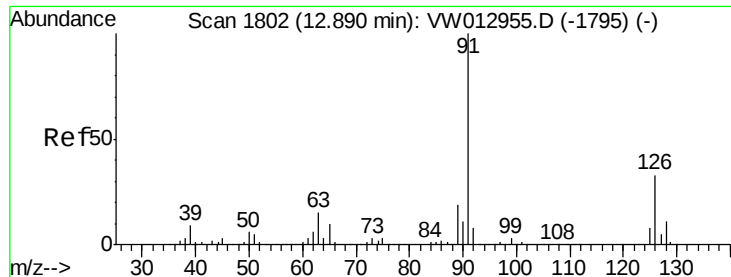
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.827 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

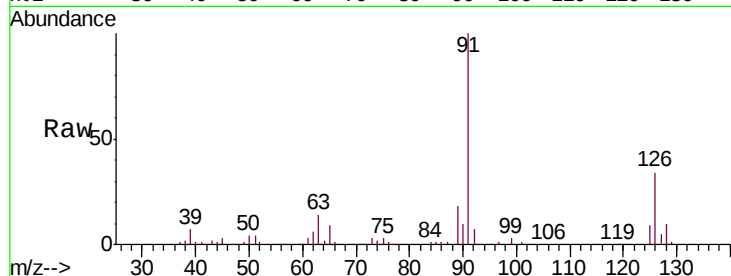
VW0918SBSD01

Tgt Ion: 91 Resp: 207988

Ion Ratio Lower Upper

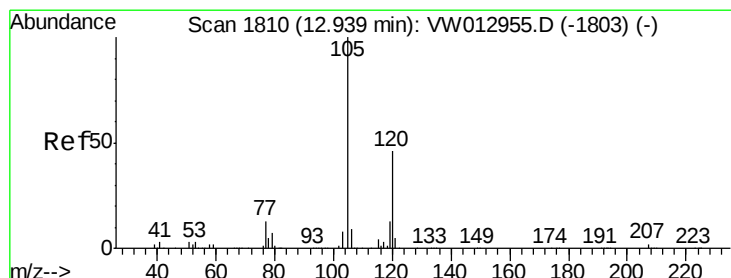
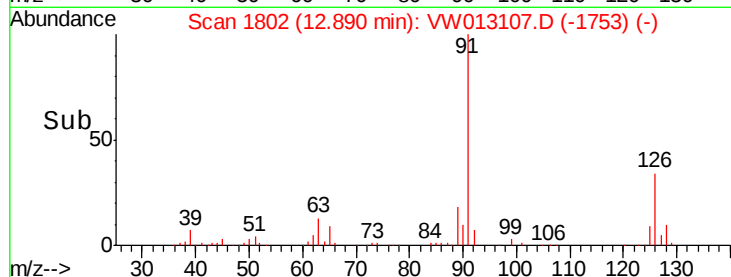
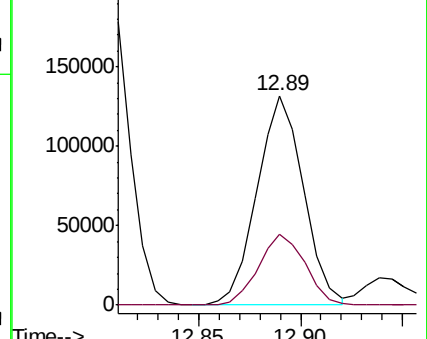
91 100

126 34.2 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.942 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013107.D

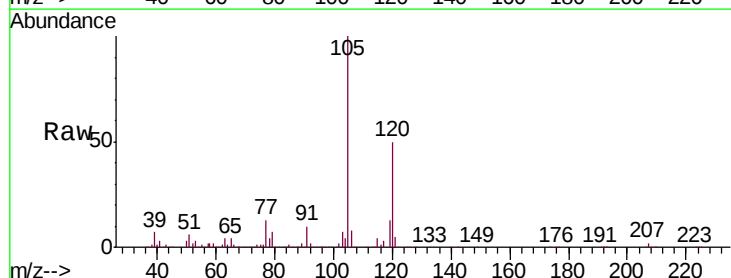
Acq: 18 Sep 2019 12:35

Tgt Ion: 105 Resp: 261722

Ion Ratio Lower Upper

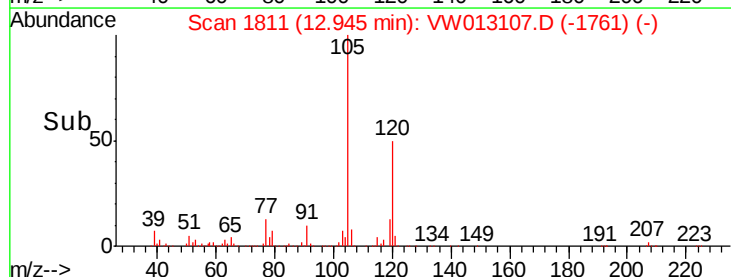
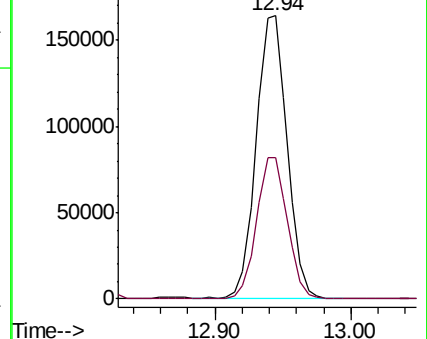
105 100

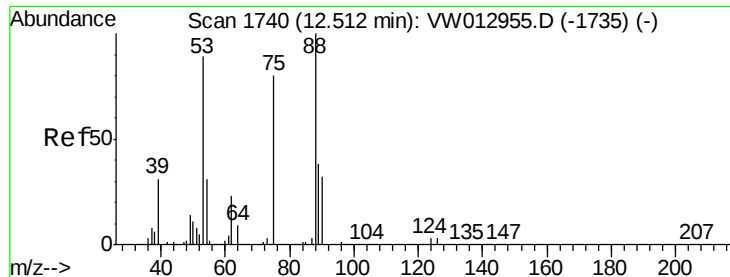
120 50.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.215 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

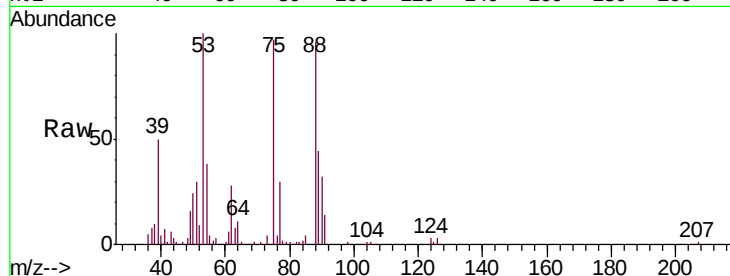
Tgt Ion: 75 Resp: 17365

Ion Ratio Lower Upper

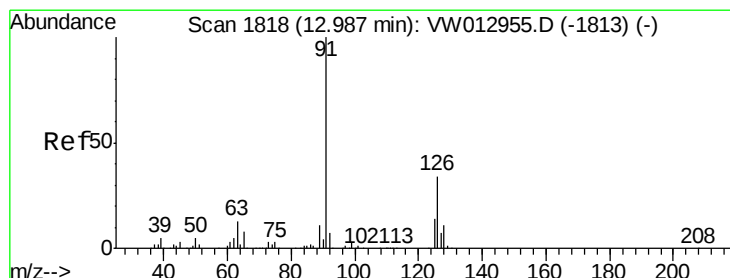
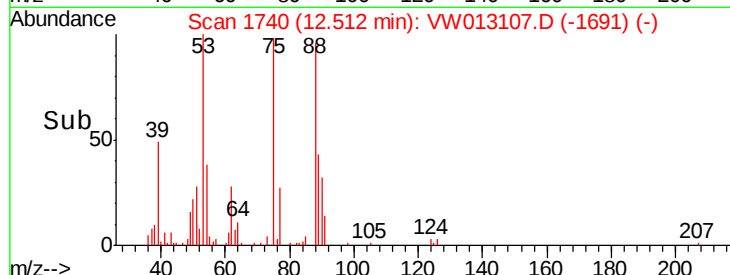
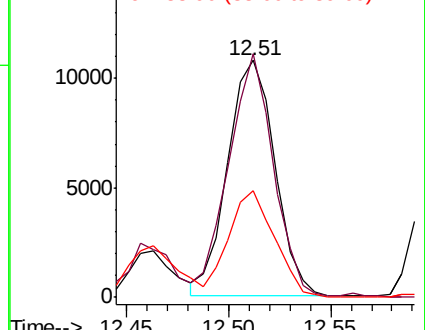
75 100

53 96.8 85.6 128.4

89 43.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW
15000 Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.542 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013107.D

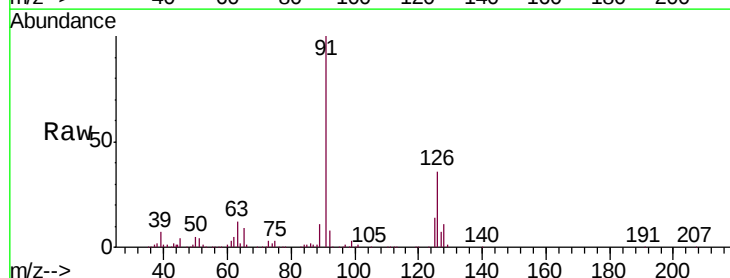
Acq: 18 Sep 2019 12:35

Tgt Ion: 91 Resp: 216294

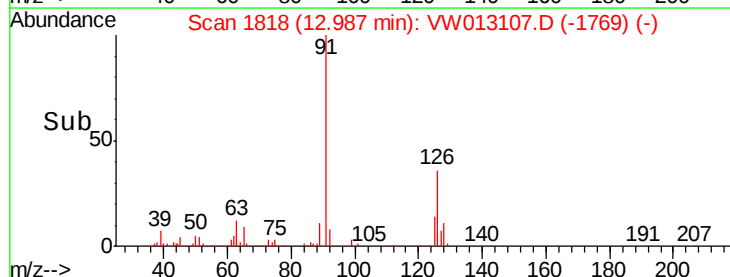
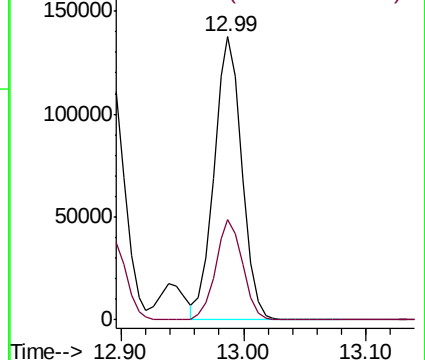
Ion Ratio Lower Upper

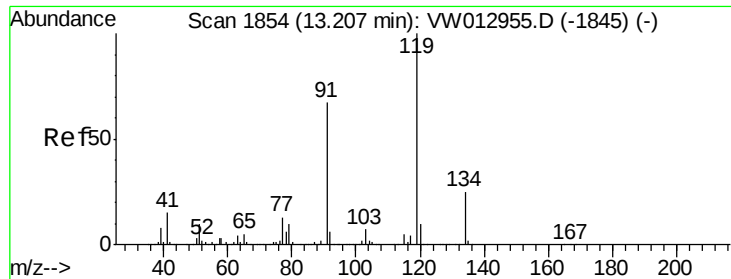
91 100

126 34.6 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW
150000 Ion 125.90 (125.60 to 126.60): VW

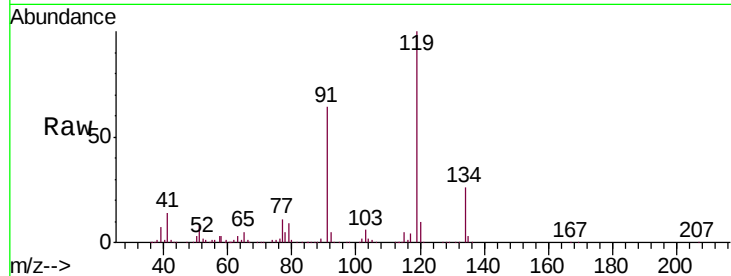




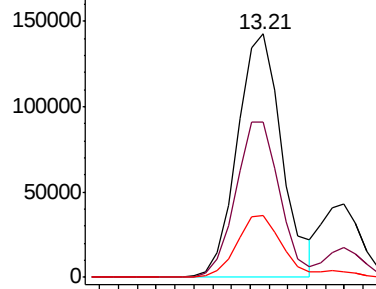
#83
tert-Butylbenzene
Concen: 19.989 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

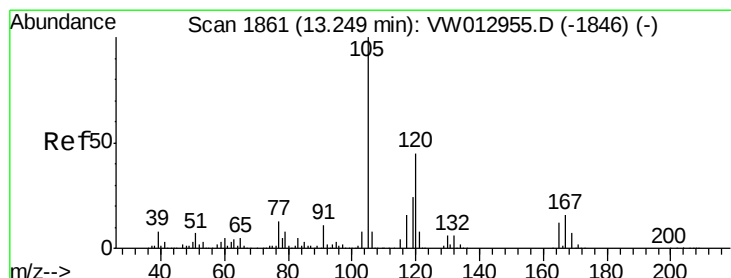
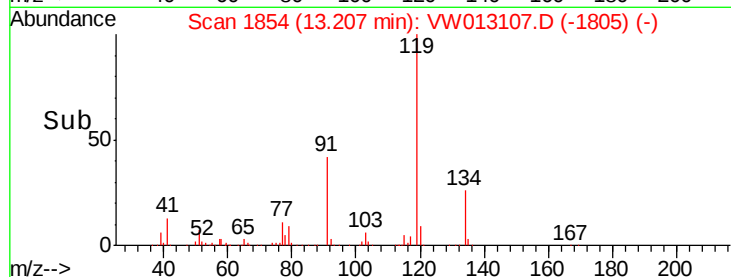
Tgt Ion:119 Resp: 234657
Ion Ratio Lower Upper
119 100
91 62.7 32.6 98.0
134 25.8 12.4 37.4



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

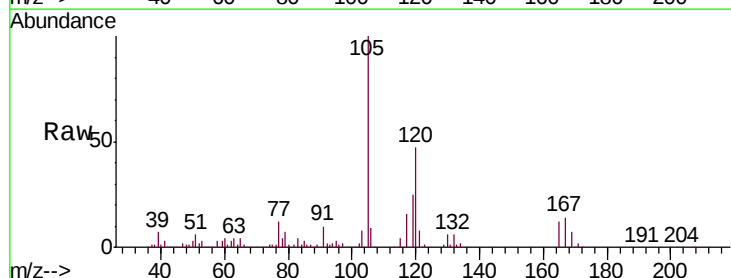


Time-->

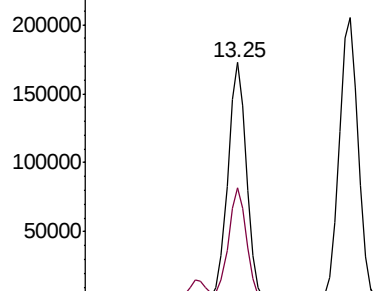


#84
1,2,4-Trimethylbenzene
Concen: 20.307 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

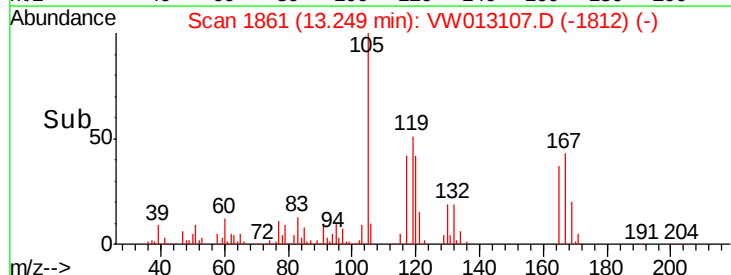
Tgt Ion:105 Resp: 263358
Ion Ratio Lower Upper
105 100
120 46.4 21.9 65.7

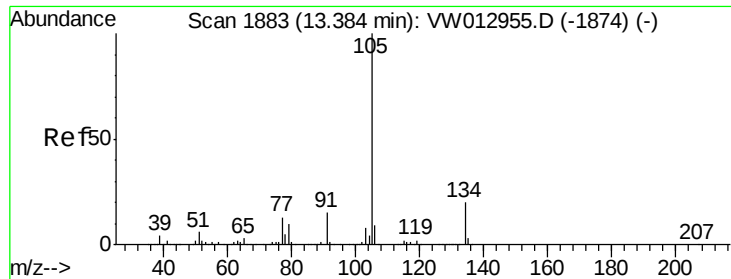


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->

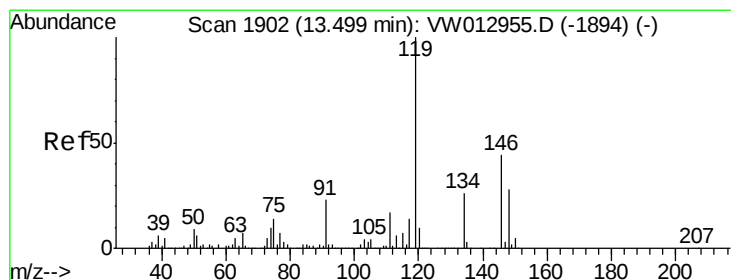
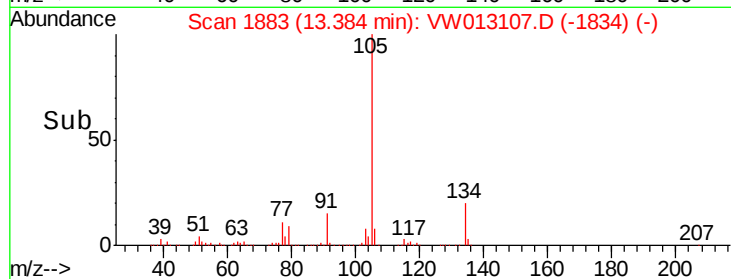
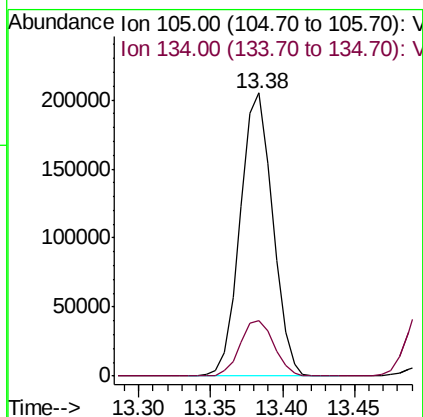
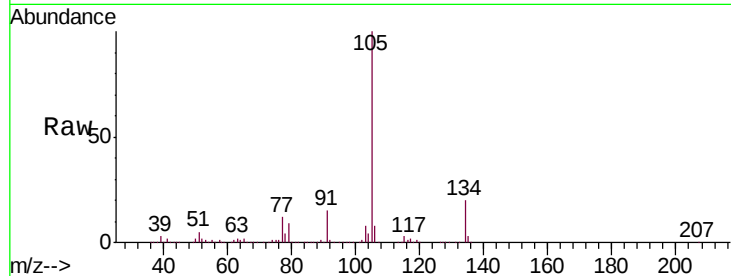




#85
 sec-Butylbenzene
 Concen: 20.067 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

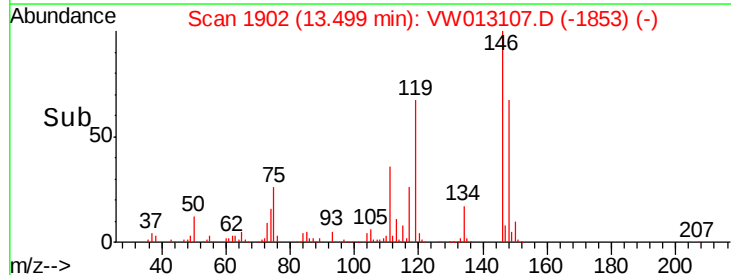
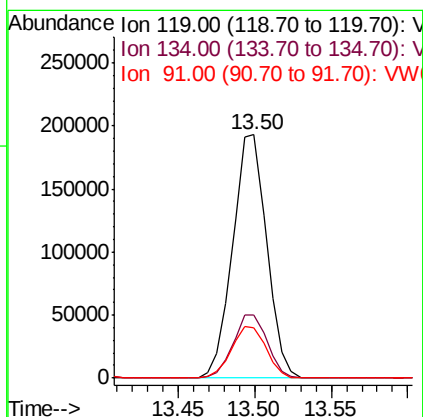
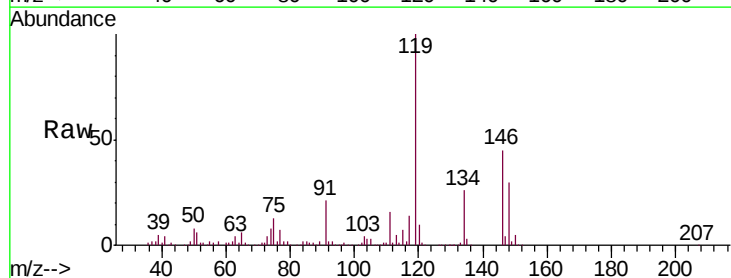
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBSD01

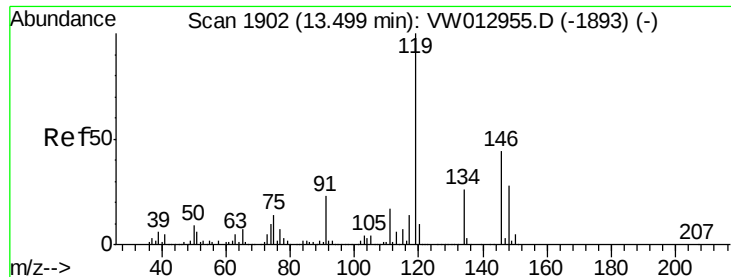
Tgt Ion:105 Resp: 320958
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.239 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013107.D
 Acq: 18 Sep 2019 12:35

Tgt Ion:119 Resp: 297193
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.3
 91 21.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 20.051 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

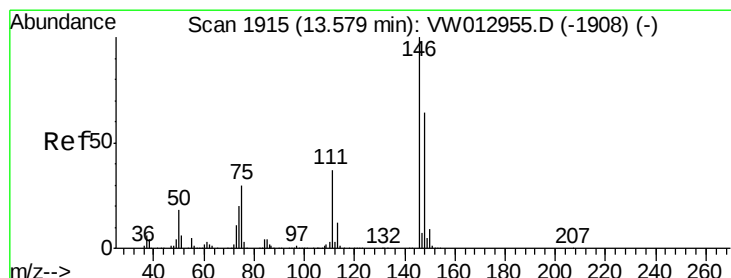
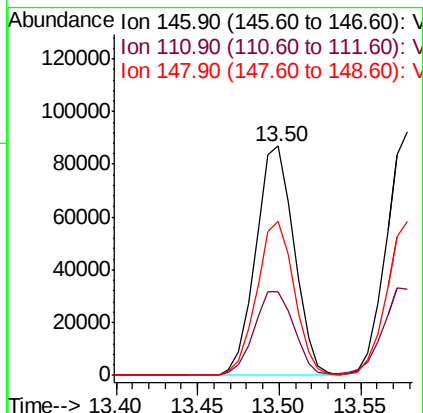
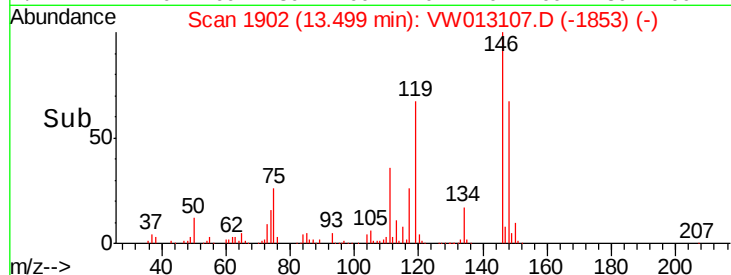
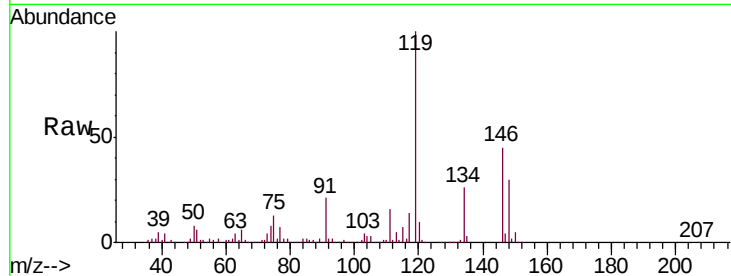
Tgt Ion:146 Resp: 141859

Ion Ratio Lower Upper

146 100

111 37.9 19.8 59.4

148 65.5 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 20.860 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

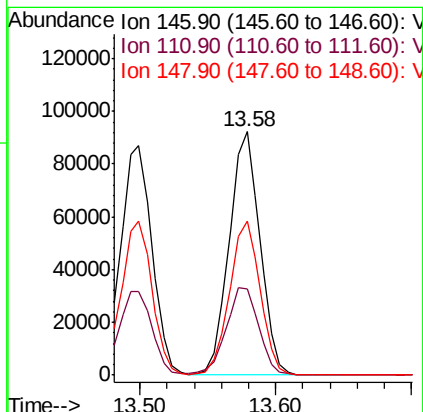
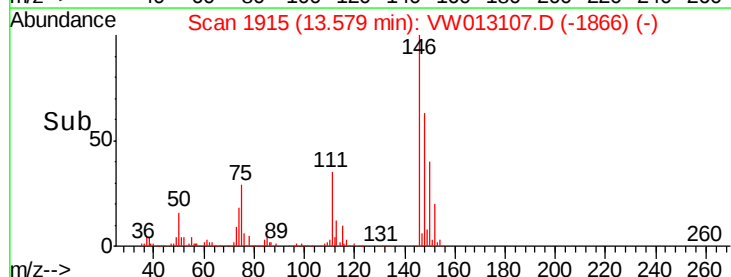
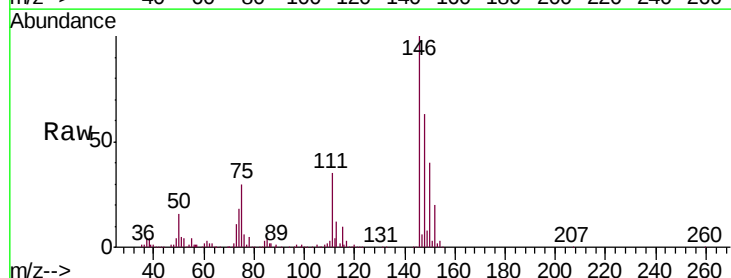
Tgt Ion:146 Resp: 145032

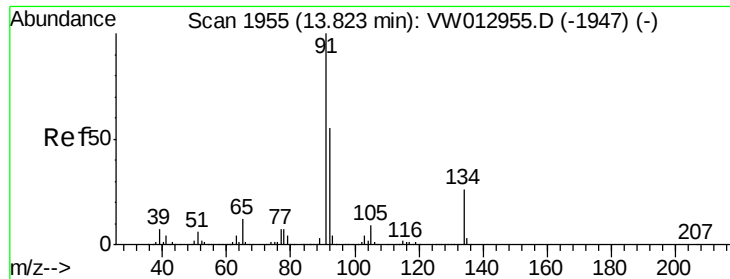
Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.2

148 62.8 31.9 95.5





#89

n-Butylbenzene

Concen: 19.787 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBSD01

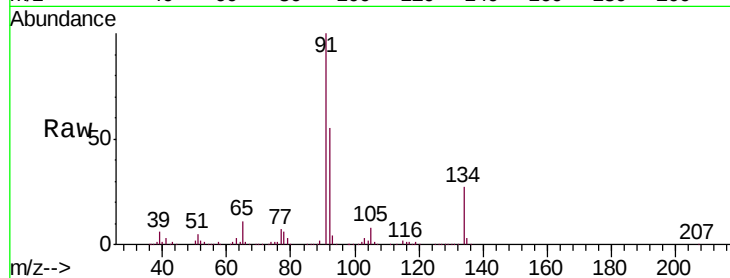
Tgt Ion: 91 Resp: 274024

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.5

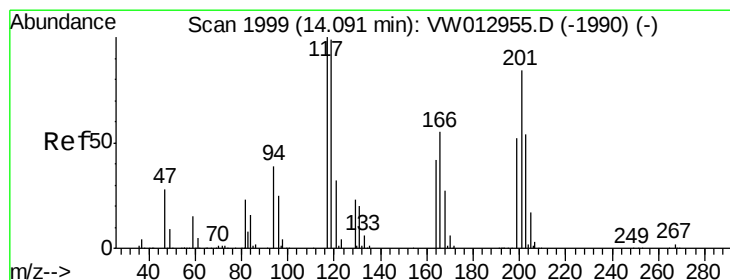
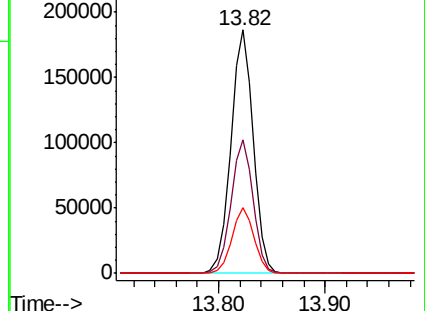
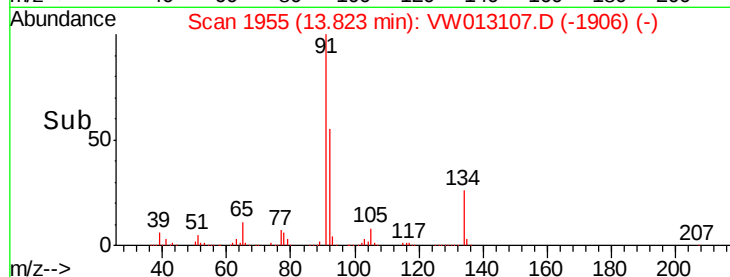
134 26.8 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.097 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013107.D

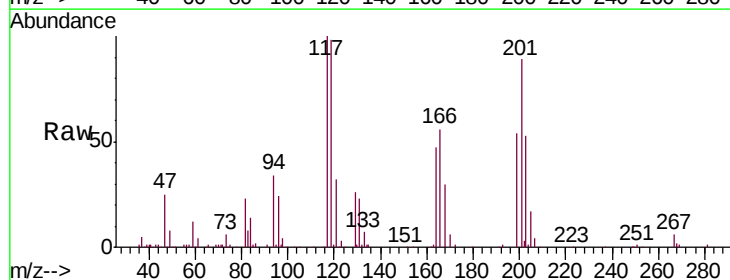
Acq: 18 Sep 2019 12:35

Tgt Ion: 117 Resp: 50255

Ion Ratio Lower Upper

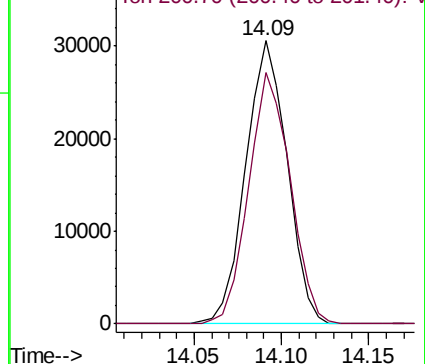
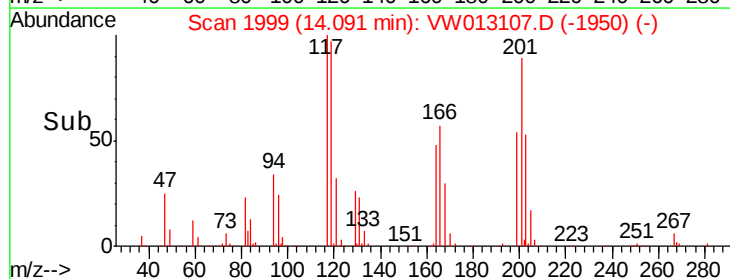
117 100

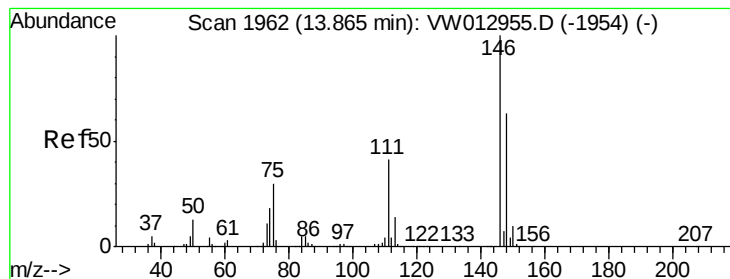
201 89.1 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.333 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

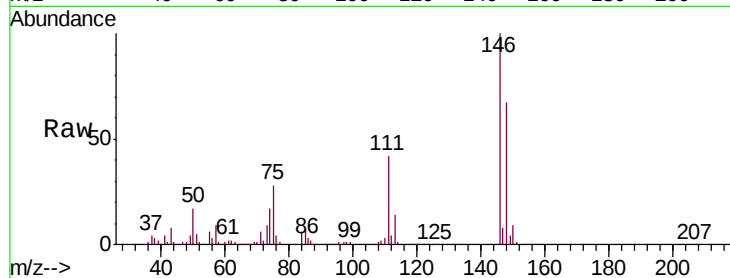
Tgt Ion:146 Resp: 126505

Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.5

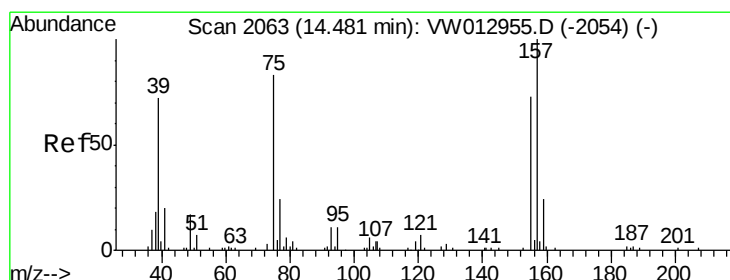
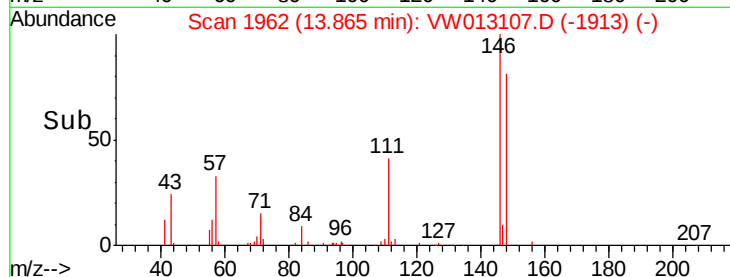
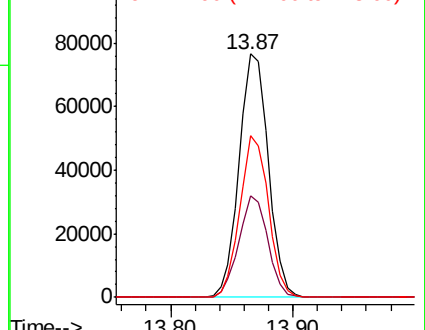
148 65.0 32.7 98.1



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: 17.658 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

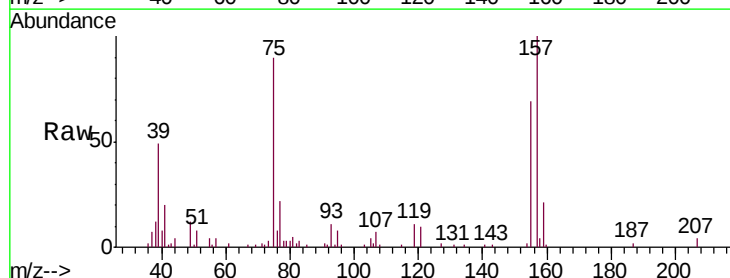
Tgt Ion: 75 Resp: 8807

Ion Ratio Lower Upper

75 100

155 84.5 43.3 129.9

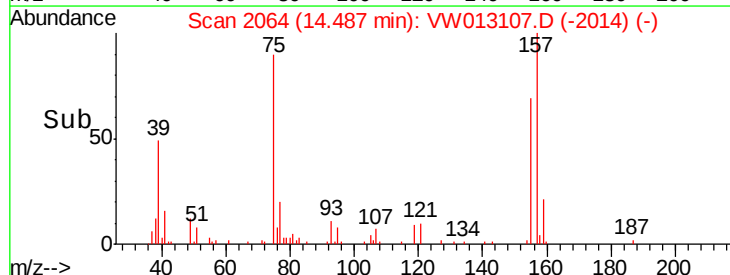
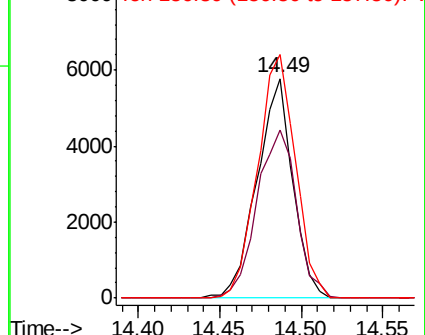
157 117.3 54.7 164.1



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: 19.951 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

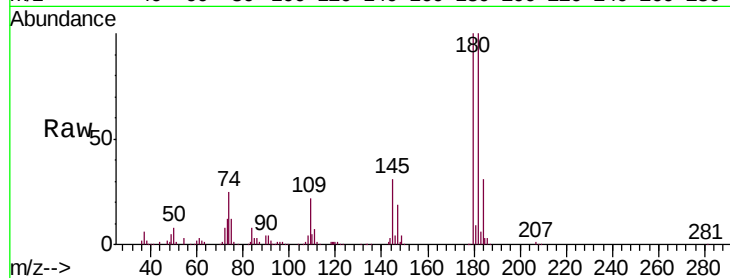
Tgt Ion:180 Resp: 88526

Ion Ratio Lower Upper

180 100

182 97.0 47.4 142.2

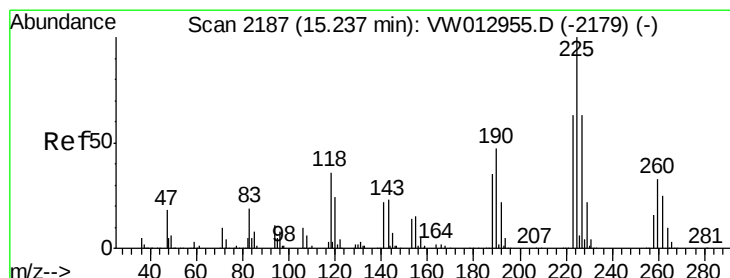
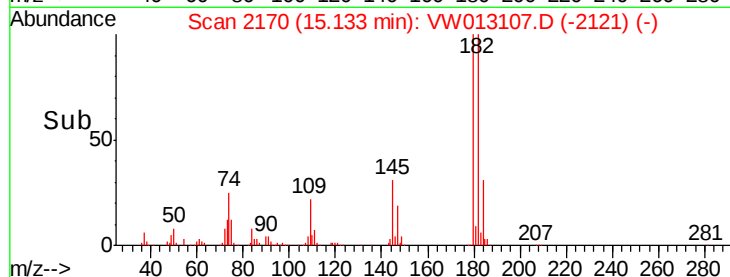
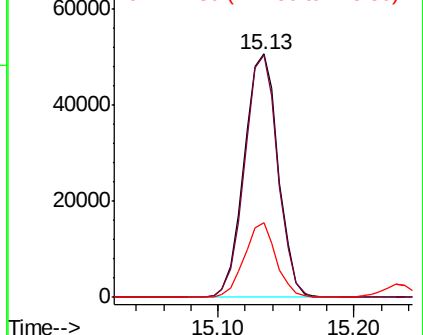
145 28.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.841 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW013107.D

Acq: 18 Sep 2019 12:35

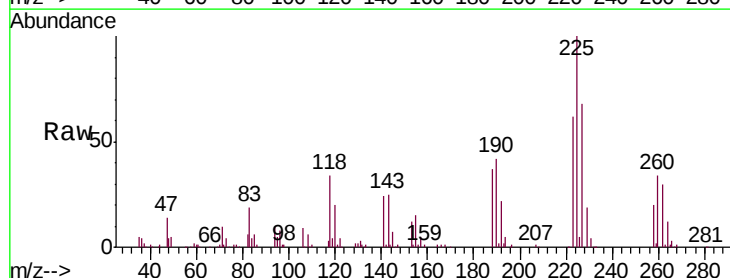
Tgt Ion:225 Resp: 59181

Ion Ratio Lower Upper

225 100

223 61.0 31.8 95.3

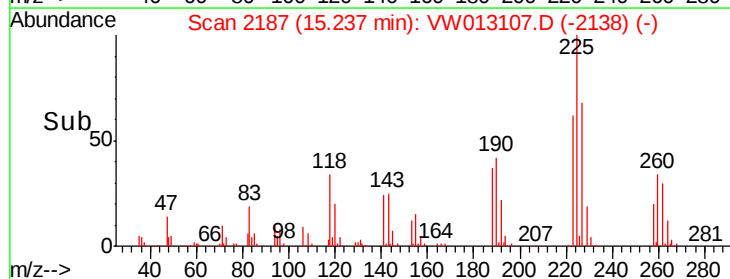
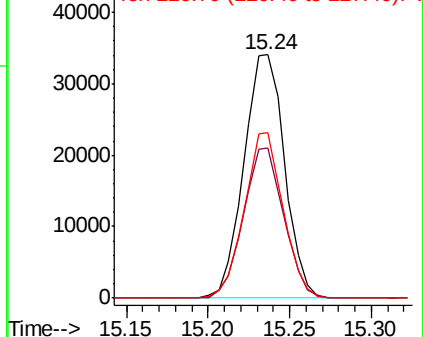
227 64.9 31.3 93.8

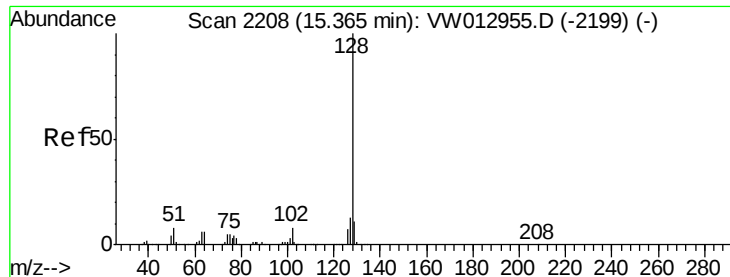


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

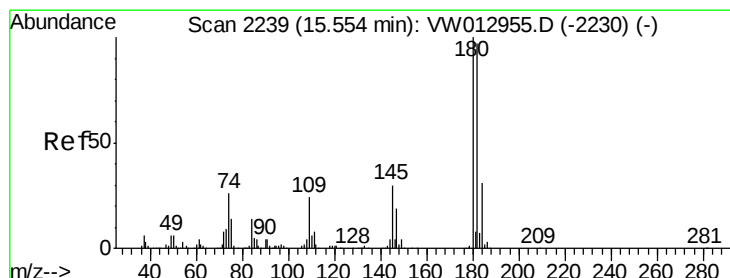
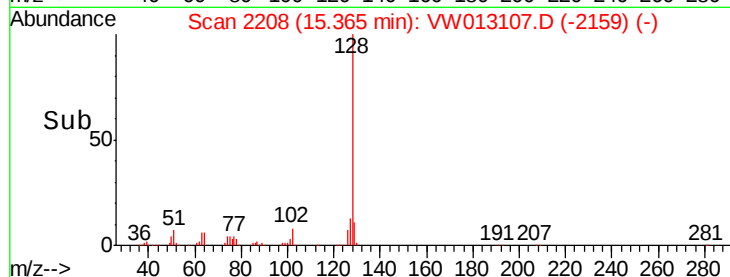
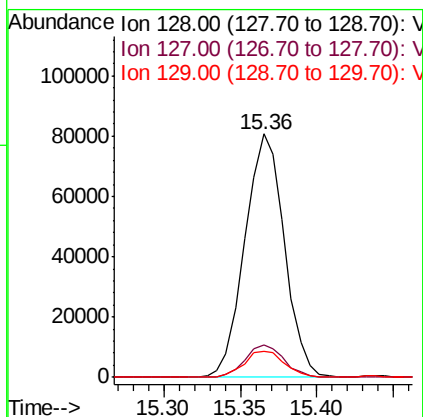
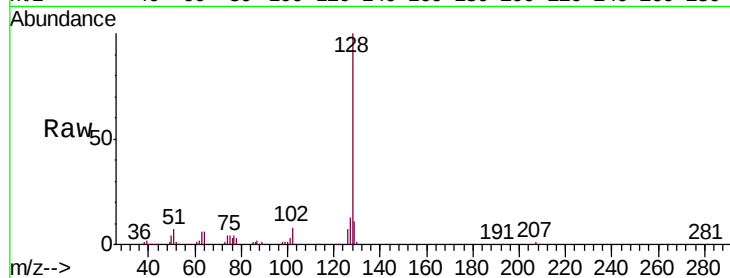




#95
Naphthalene
Concen: 19.546 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBSD01

Tgt Ion:128 Resp: 144913
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.462 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013107.D
Acq: 18 Sep 2019 12:35

Tgt Ion:180 Resp: 76336
Ion Ratio Lower Upper
180 100
182 96.0 47.6 142.8
145 30.6 15.4 46.2

