

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013102.D
 Acq On : 17 Sep 2019 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:35:19 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	308288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	214616	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	162504	57.07	ug/l	0.00
Spiked Amount			Recovery	=	114.14%	
35) Dibromofluoromethane	7.88	113	138673	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
50) Toluene-d8	10.32	98	540852	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.62	95	199061	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	60444	51.344	ug/l	96
3) Chloromethane	2.21	50	82938	56.542	ug/l	99
4) Vinyl Chloride	2.36	62	107096	48.534	ug/l	98
5) Bromomethane	2.76	94	62470	46.358	ug/l	98
6) Chloroethane	2.91	64	69474	51.334	ug/l	92
7) Trichlorofluoromethane	3.25	101	64981	42.111	ug/l	99
8) Diethyl Ether	3.68	74	66177	54.924	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113158	48.350	ug/l	100
10) Methyl Iodide	4.27	142	149213	50.944	ug/l	99
11) Tert butyl alcohol	5.18	59	56008	295.282	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	103891	48.821	ug/l	94
13) Acrolein	3.89	56	59178	282.857	ug/l	100
14) Allyl chloride	4.67	41	212100	52.502	ug/l	97
15) Acrylonitrile	5.37	53	181570	295.048	ug/l	98
16) Acetone	4.12	43	159155	258.252	ug/l	97
17) Carbon Disulfide	4.38	76	190806	44.994	ug/l	100
18) Methyl Acetate	4.67	43	95318	58.760	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	240129	57.166	ug/l	95
20) Methylene Chloride	4.91	84	129200	56.881	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	114964	50.442	ug/l	98
22) Diisopropyl ether	6.31	45	488667	58.227	ug/l	97
23) Vinyl Acetate	6.25	43	1469227	292.292	ug/l	99
24) 1,1-Dichloroethane	6.21	63	259428	53.614	ug/l	99
25) 2-Butanone	7.17	43	257083	283.956	ug/l	99
26) 2,2-Dichloropropane	7.16	77	152921	49.778	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	146276	53.608	ug/l	99
28) Bromochloromethane	7.51	49	124840	61.296	ug/l	95
29) Tetrahydrofuran	7.52	42	159373	308.947	ug/l	97
30) Chloroform	7.67	83	260868	53.058	ug/l	97
31) Cyclohexane	7.95	56	191205	52.885	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	201177	49.686	ug/l	97
36) 1,1-Dichloropropene	8.08	75	180067	47.703	ug/l	100
37) Ethyl Acetate	7.25	43	111228	55.514	ug/l	99
38) Carbon Tetrachloride	8.06	117	174248	45.045	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	194447	47.009	ug/l	98
40) Benzene	8.32	78	523036	49.634	ug/l	99
41) Methacrylonitrile	7.48	41	71750	54.379	ug/l	97
42) 1,2-Dichloroethane	8.40	62	178592	50.556	ug/l	98
43) Isopropyl Acetate	8.42	43	212998	55.367	ug/l	99
44) Trichloroethene	9.09	130	136844	47.409	ug/l	97
45) 1,2-Dichloropropane	9.37	63	148206	52.935	ug/l	99
46) Dibromomethane	9.46	93	70394	52.479	ug/l	99
47) Bromodichloromethane	9.64	83	197071	52.377	ug/l	97
48) Methyl methacrylate	9.43	41	100766	55.812	ug/l	98
49) 1,4-Dioxane	9.46	88	22972	1022.056	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	561782	282.854	ug/l	100
52) Toluene	10.38	92	339604	50.716	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	195963	51.787	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	223820	51.695	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	108458	53.076	ug/l	98
56) Ethyl methacrylate	10.65	69	156332	56.838	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194985	53.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	425068	288.093	ug/l	99
59) 2-Hexanone	10.97	43	383152	277.053	ug/l	100
60) Dibromochloromethane	11.13	129	128059	51.836	ug/l	97
61) 1,2-Dibromoethane	11.23	107	101298	54.342	ug/l	98
64) Tetrachloroethene	10.86	164	118800	47.638	ug/l	97
65) Chlorobenzene	11.66	112	371018	49.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	142661	49.856	ug/l	99
67) Ethyl Benzene	11.73	91	680612	49.354	ug/l	99
68) m/p-Xylenes	11.84	106	502334	99.713	ug/l	100
69) o-Xylene	12.16	106	241957	51.229	ug/l	100
70) Styrene	12.18	104	431831	51.397	ug/l	99
71) Bromoform	12.35	173	78637	52.319	ug/l #	99
73) Isopropylbenzene	12.46	105	682154	47.954	ug/l	99
74) N-amyl acetate	12.27	43	203869	55.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	132617	53.079	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	173112	92.087	ug/l #	100
77) Bromobenzene	12.74	156	162673	49.638	ug/l	99
78) n-propylbenzene	12.80	91	806679	48.208	ug/l	100
79) 2-Chlorotoluene	12.89	91	473703	49.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	583092	48.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41297	49.834	ug/l	98
82) 4-Chlorotoluene	12.99	91	498225	49.089	ug/l	99
83) tert-Butylbenzene	13.21	119	519356	48.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	587821	49.429	ug/l	99
85) sec-Butylbenzene	13.38	105	710817	48.467	ug/l	99
86) p-Isopropyltoluene	13.50	119	651011	48.348	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	316318	48.759	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312267	48.981	ug/l	99
89) n-Butylbenzene	13.82	91	620880	48.893	ug/l	99
90) Hexachloroethane	14.09	117	113476	47.027	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	286033	50.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22652	49.531	ug/l	98

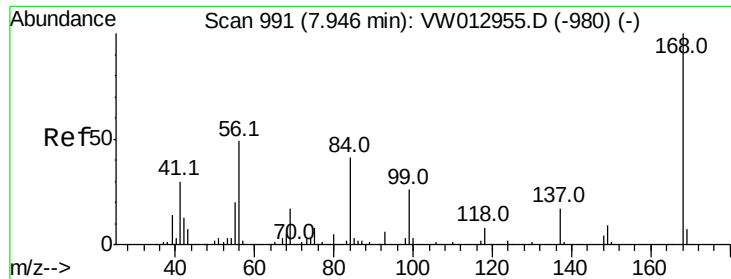
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213175	52.394	ug/l	99
94) Hexachlorobutadiene	15.24	225	133645	46.400	ug/l	98
95) Naphthalene	15.36	128	377374	55.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	183680	51.070	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

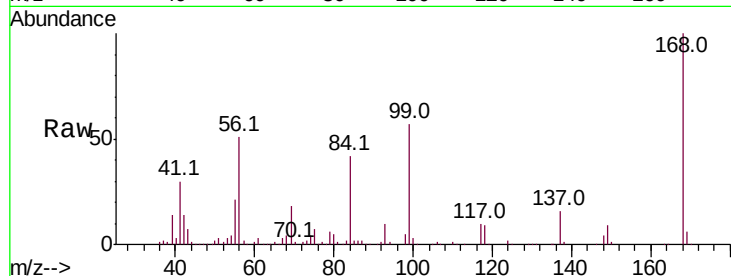
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 308288

Ion Ratio Lower Upper

168 100

99 56.6 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

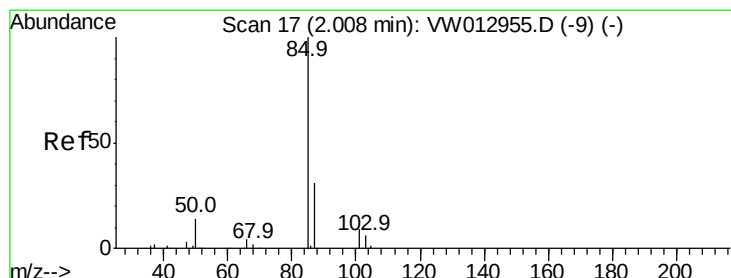
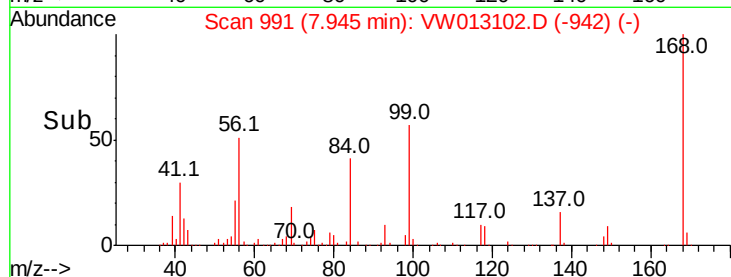
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.344 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013102.D

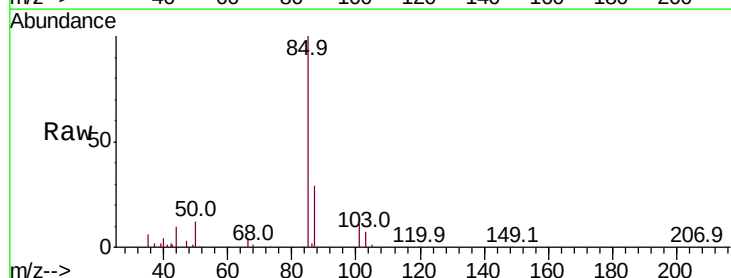
Acq: 17 Sep 2019 20:21

Tgt Ion: 85 Resp: 60444

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

25000

20000

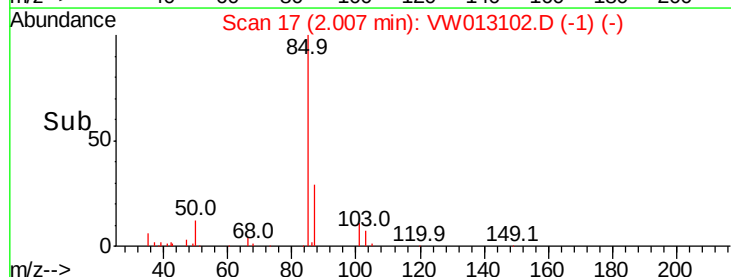
15000

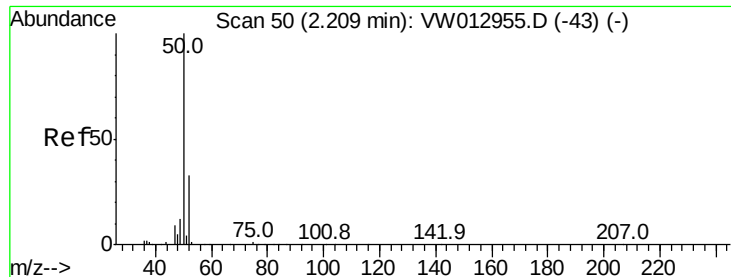
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 56.542 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

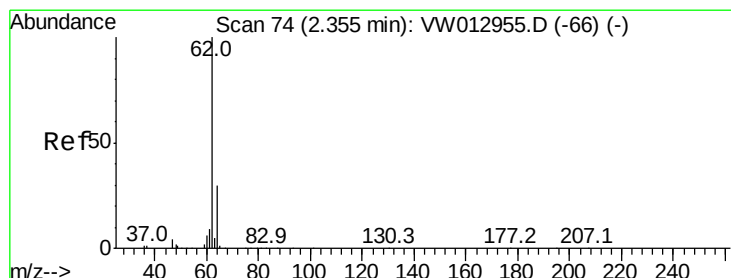
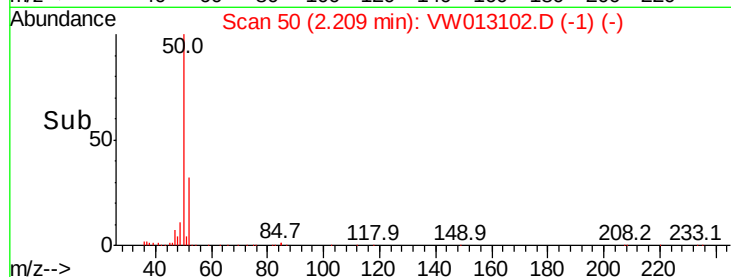
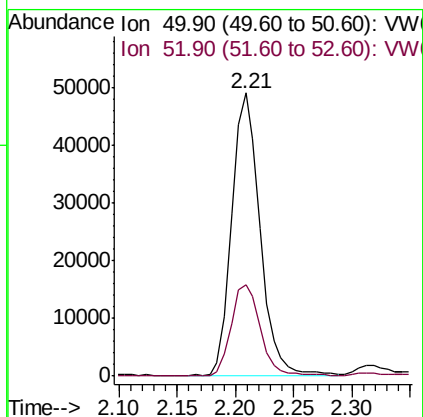
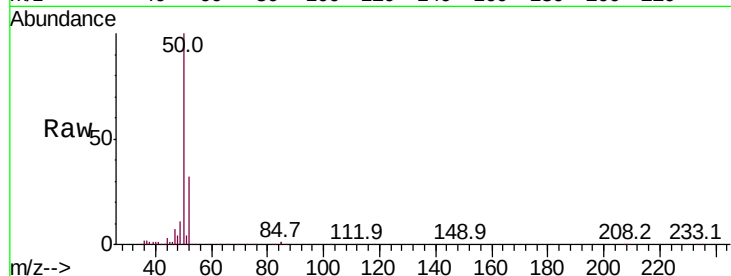
ClientSampled :

Tot Ion: 50 Resp: 82938

Ion Ratio Lower Upper

50 100

52 32.4 26.6 39.8



#4

Vinyl Chloride

Concen: 48.534 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013102.D

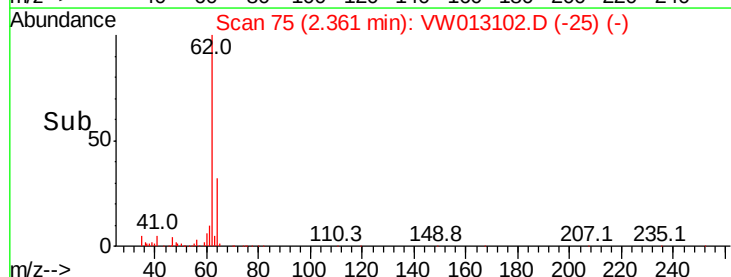
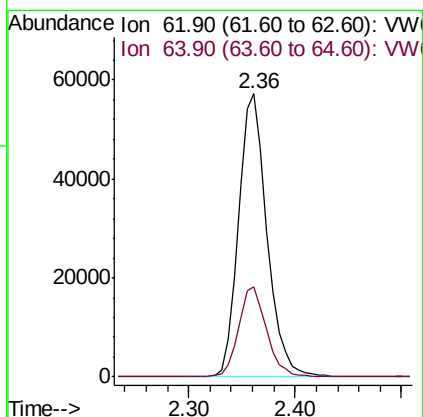
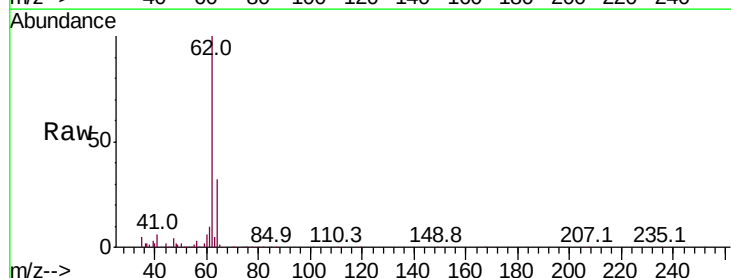
Acq: 17 Sep 2019 20:21

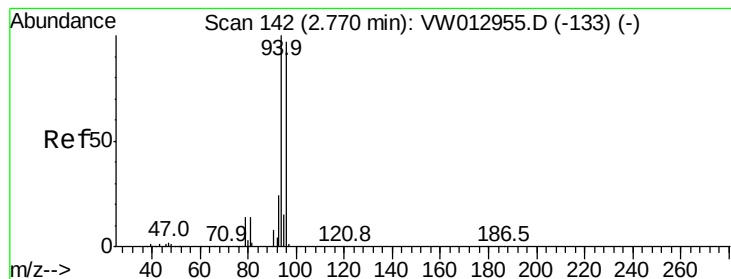
Tgt Ion: 62 Resp: 107096

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.4





#5

Bromomethane

Concen: 46.358 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

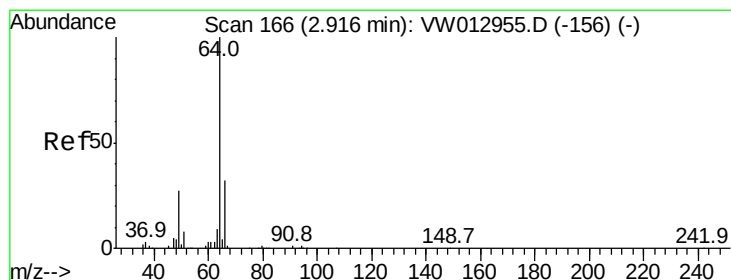
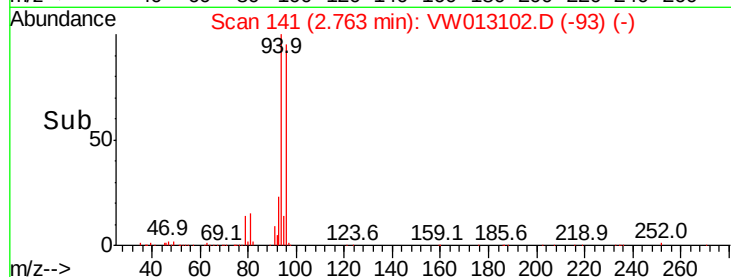
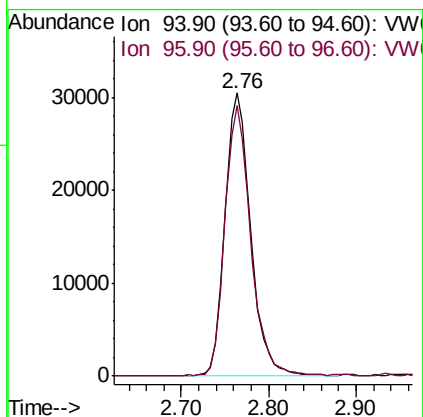
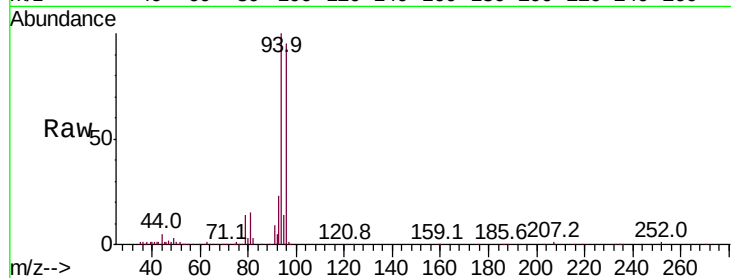
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 62470

Ion Ratio Lower Upper

94 100

96 95.0 77.8 116.6



#6

Chloroethane

Concen: 51.334 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013102.D

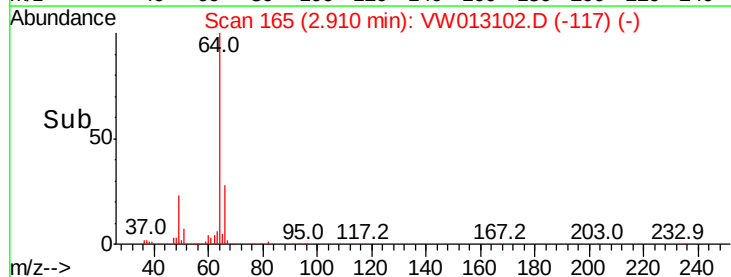
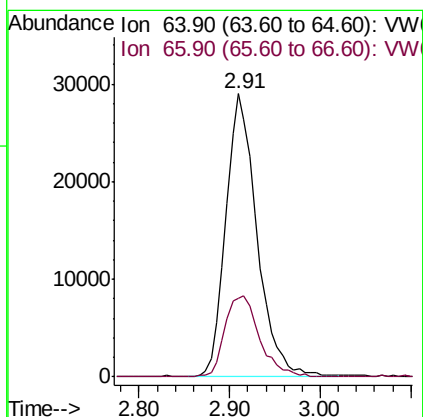
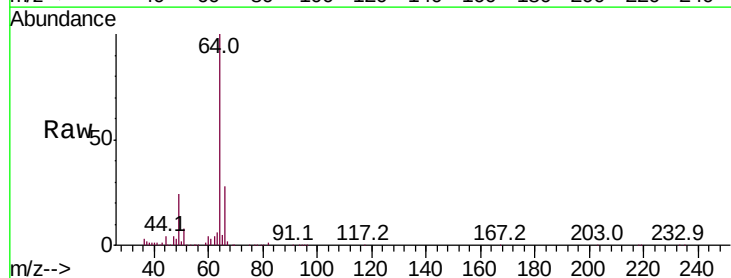
Acq: 17 Sep 2019 20:21

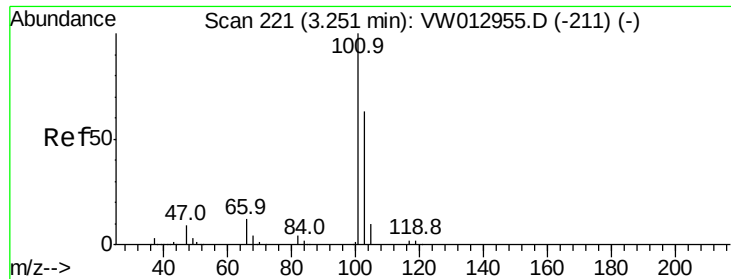
Tgt Ion: 64 Resp: 69474

Ion Ratio Lower Upper

64 100

66 27.7 25.9 38.9



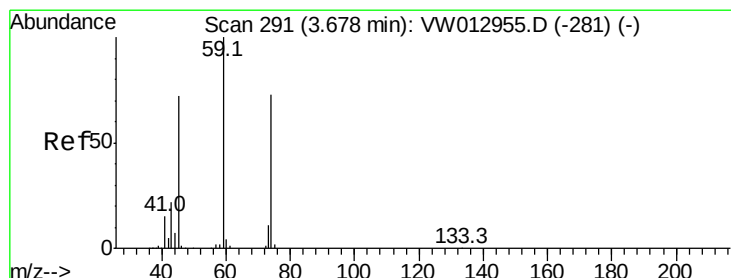
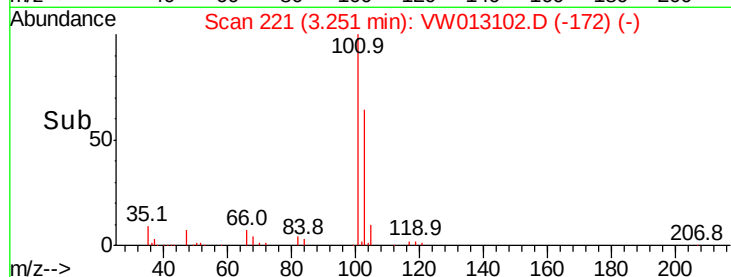
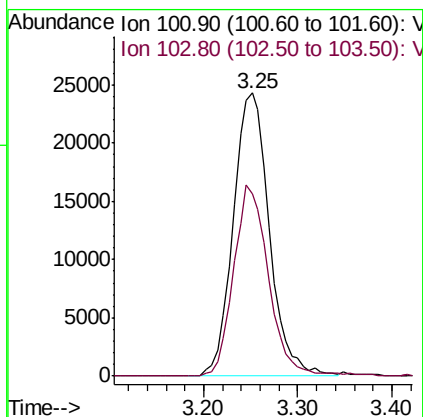
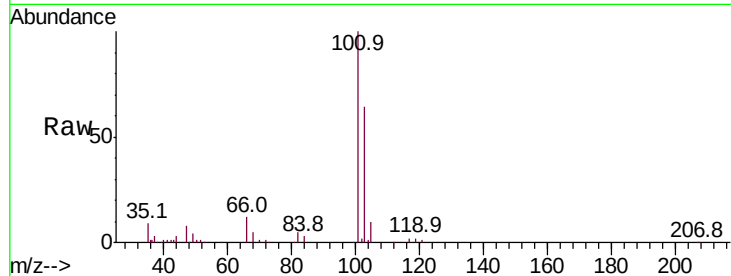


#7

Trichlorofluoromethane
 Concen: 42.111 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampled :

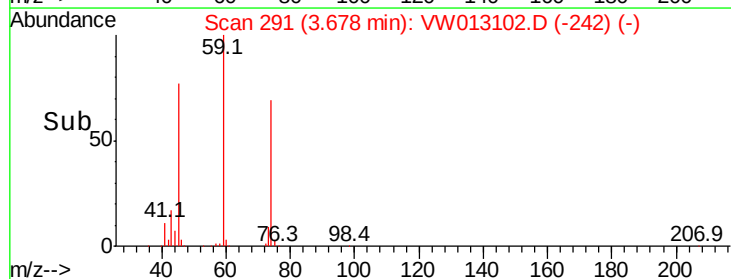
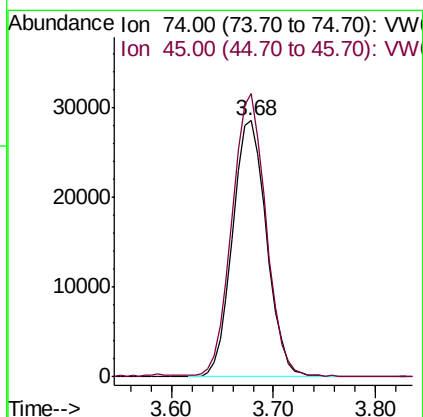
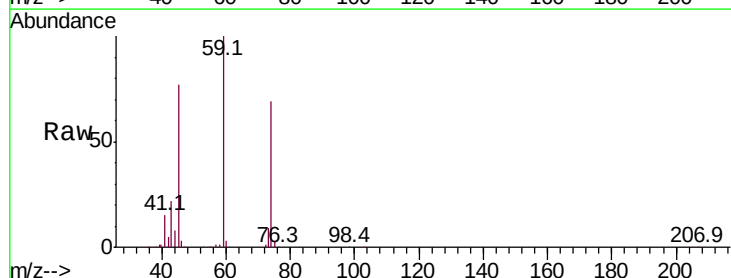
Tot Ion:101 Resp: 64981
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.7 76.1

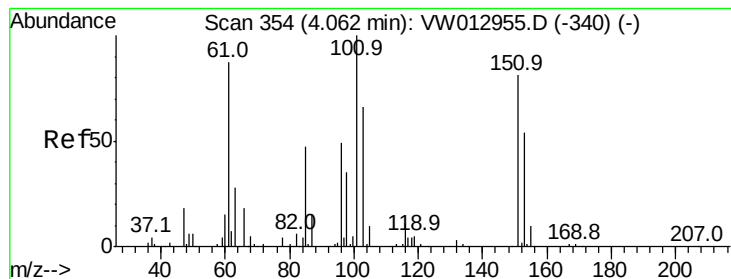


#8

Diethyl Ether
 Concen: 54.924 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 74 Resp: 66177
 Ion Ratio Lower Upper
 74 100
 45 111.1 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.350 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

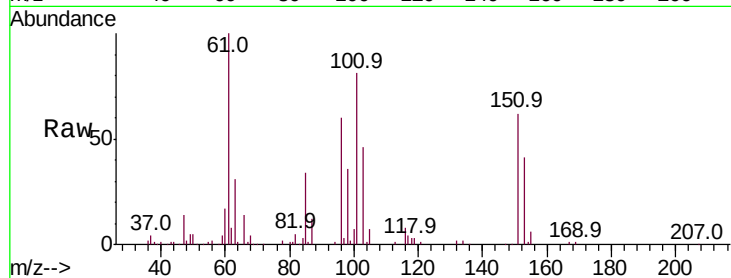
Tot Ion:101 Resp: 113158

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

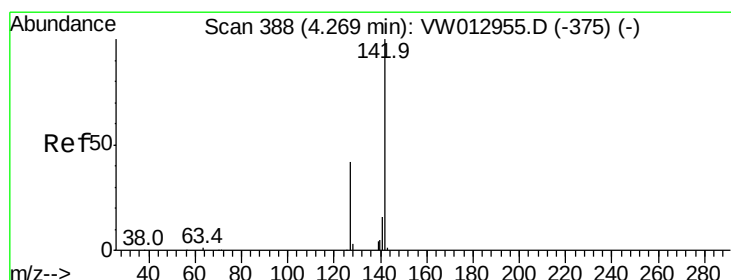
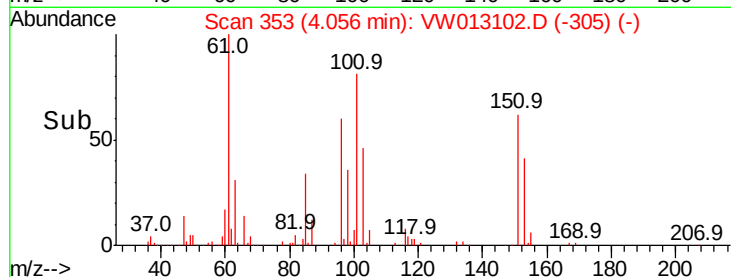
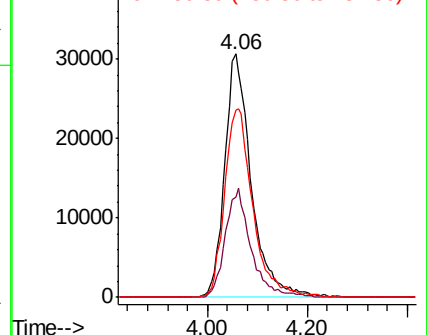
151 82.5 66.0 99.0



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: 50.944 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

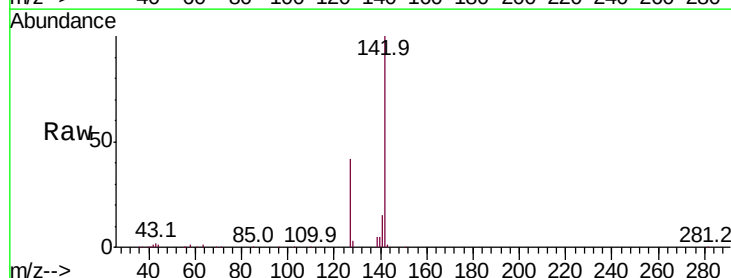
Tgt Ion:142 Resp: 149213

Ion Ratio Lower Upper

142 100

127 42.4 34.7 52.1

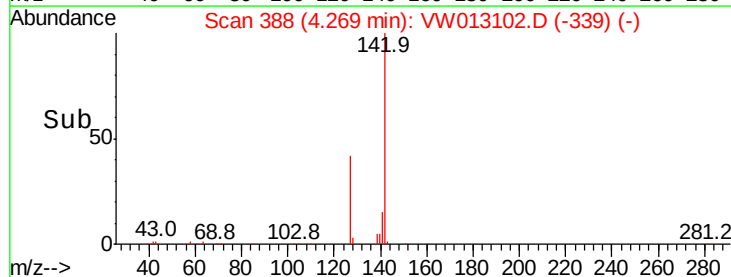
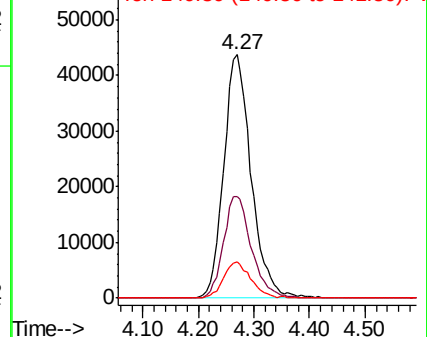
141 14.8 12.2 18.2

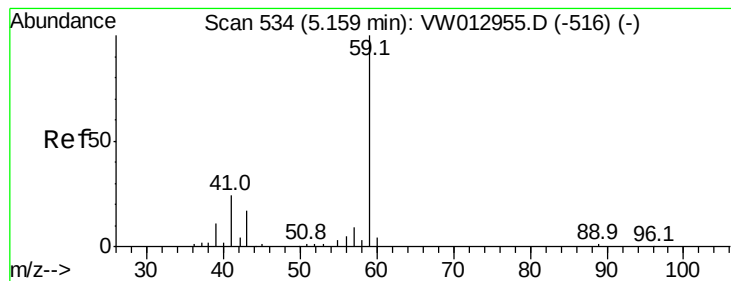


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



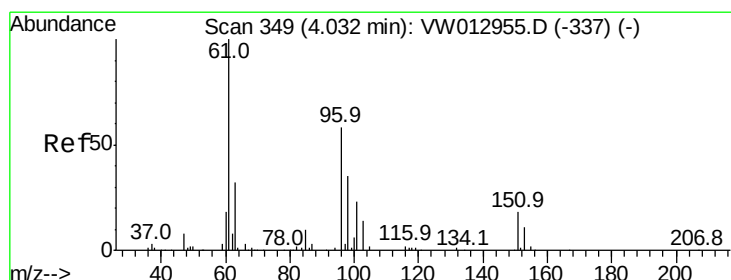
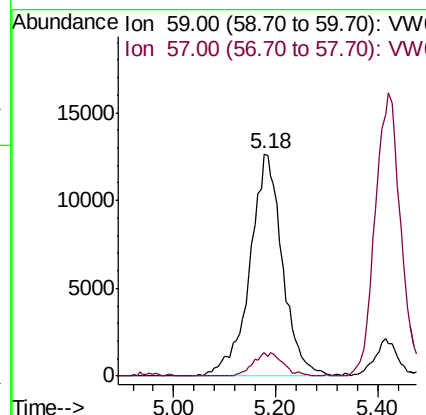
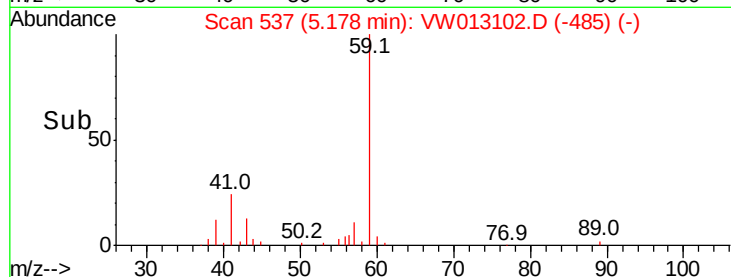
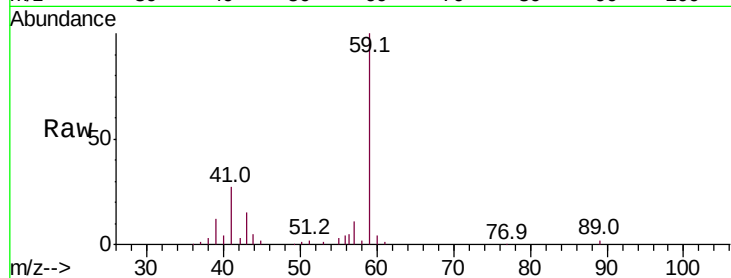


#11

Tert butyl alcohol
 Concen: 295.282 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :

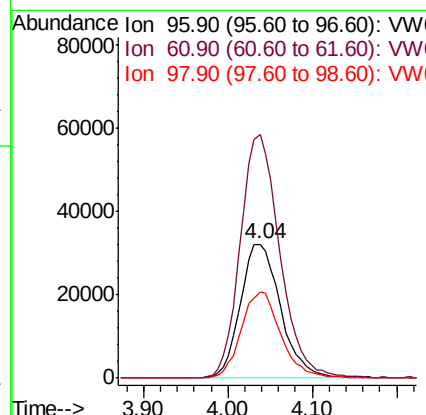
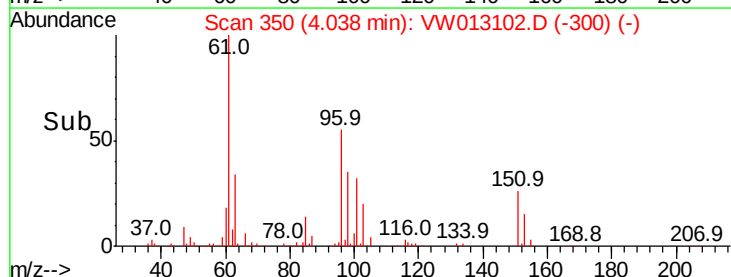
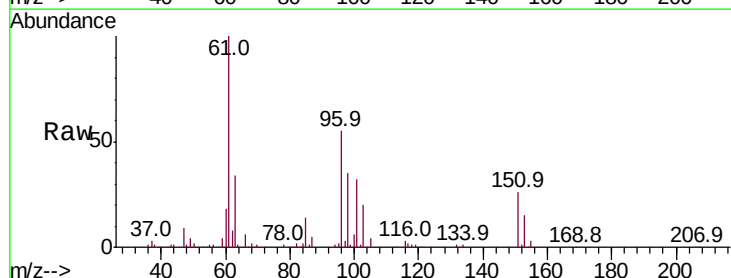
Tot Ion: 59 Resp: 56008
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.5 12.7#

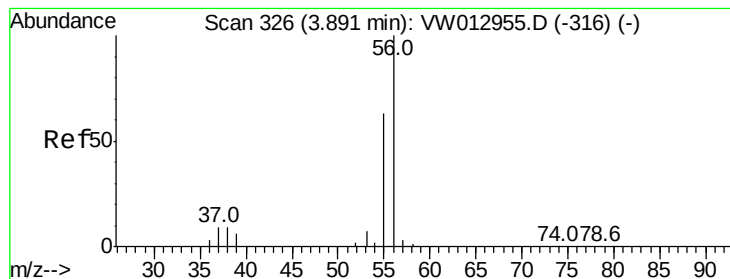


#12

1,1-Dichloroethene
 Concen: 48.821 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 96 Resp: 103891
 Ion Ratio Lower Upper
 96 100
 61 181.8 137.9 206.9
 98 64.5 48.9 73.3





#13

Acrolein

Concen: 282.857 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

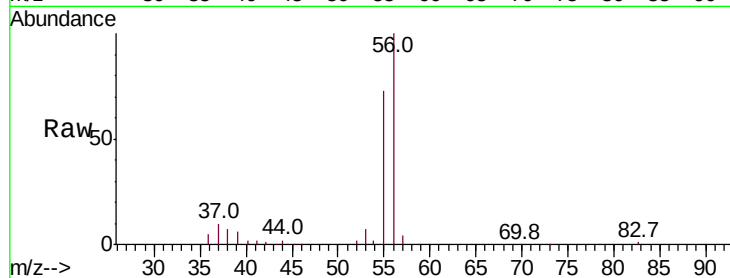
ClientSampled :

Tot Ion: 56 Resp: 59178

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

25000

20000

15000

10000

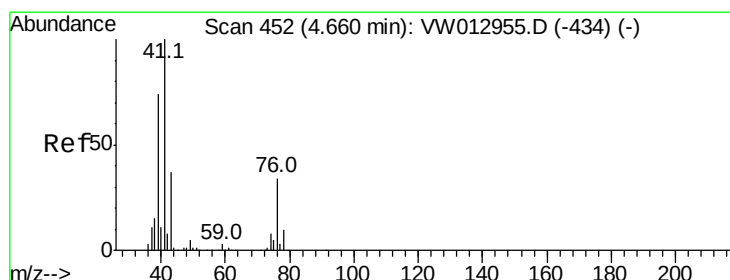
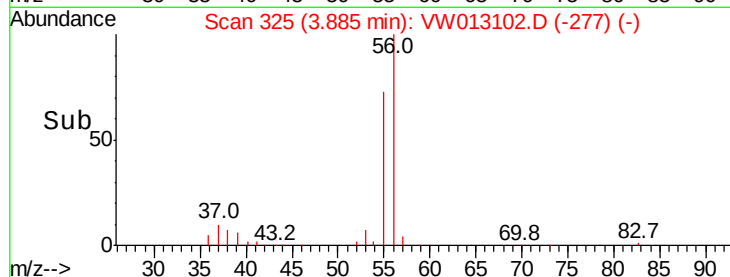
5000

0

3.89

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 52.502 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

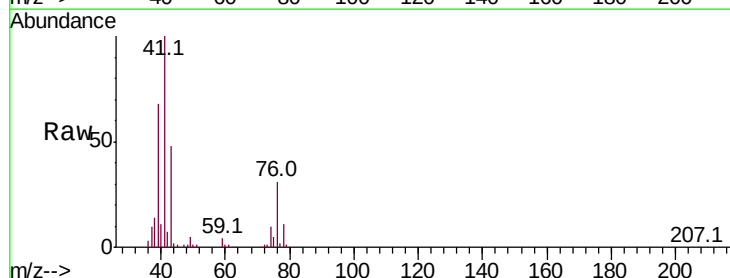
Tgt Ion: 41 Resp: 212100

Ion Ratio Lower Upper

41 100

39 67.5 56.7 85.1

76 30.3 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

80000

60000

40000

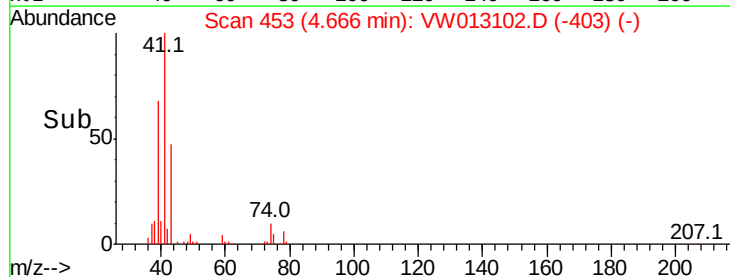
20000

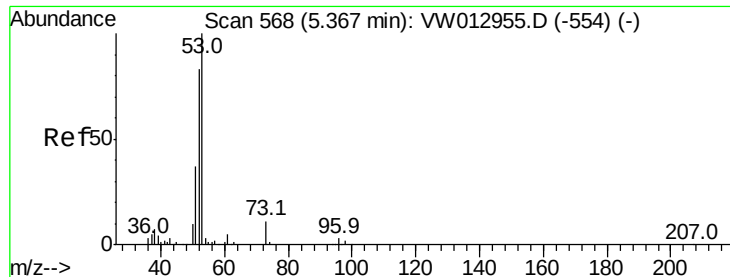
0

4.67

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 295.048 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

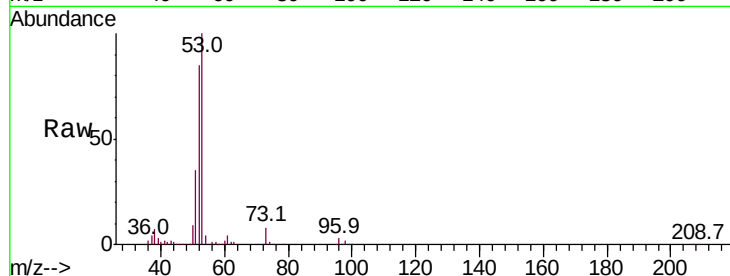
Tot Ion: 53 Resp: 181570

Ion Ratio Lower Upper

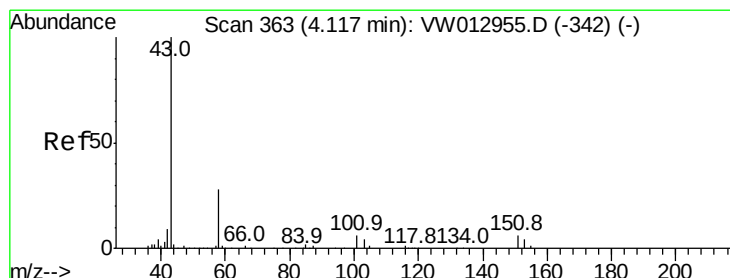
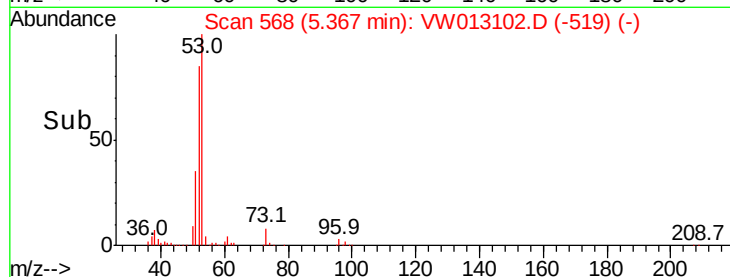
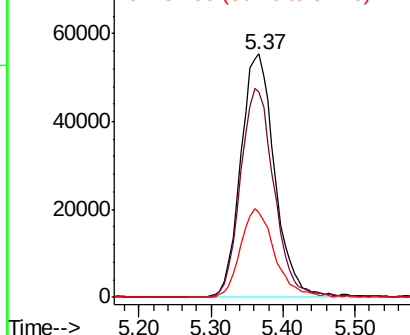
53 100

52 85.2 66.6 100.0

51 36.8 29.8 44.8



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



#16

Acetone

Concen: 258.252 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013102.D

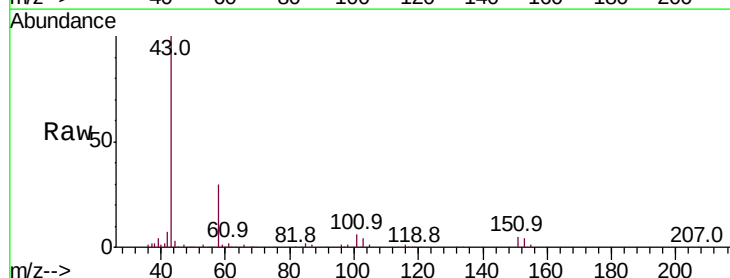
Acq: 17 Sep 2019 20:21

Tgt Ion: 43 Resp: 159155

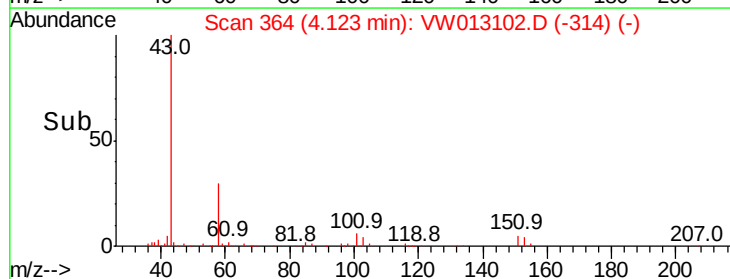
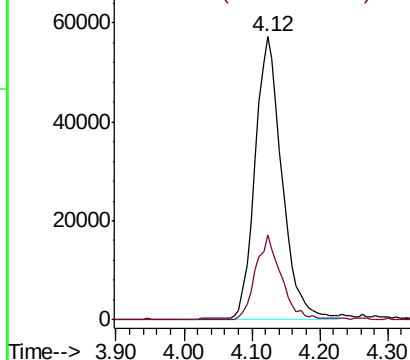
Ion Ratio Lower Upper

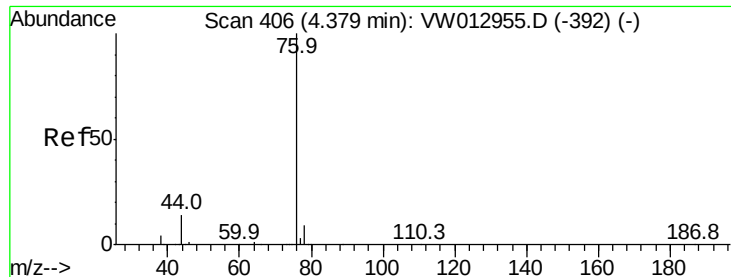
43 100

58 29.7 22.3 33.5



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

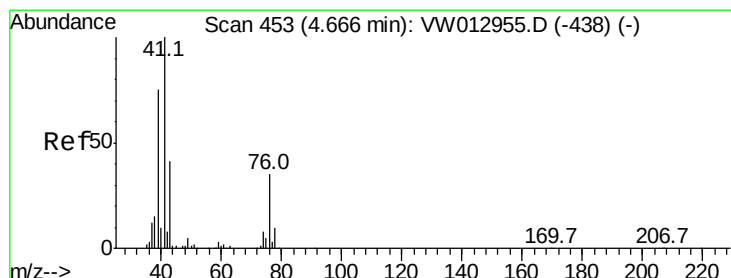
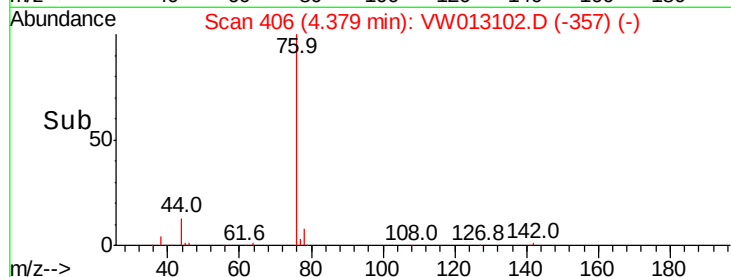
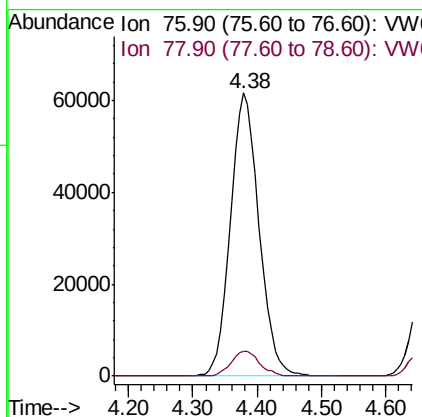
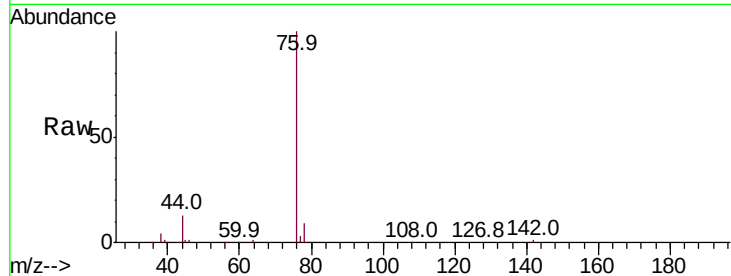




#17
Carbon Disulfide
Concen: 44.994 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

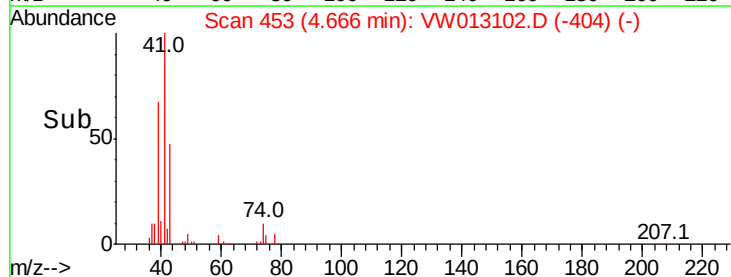
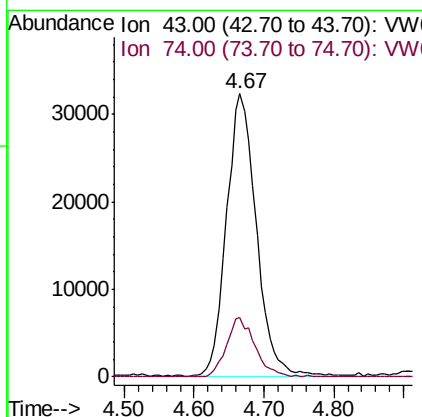
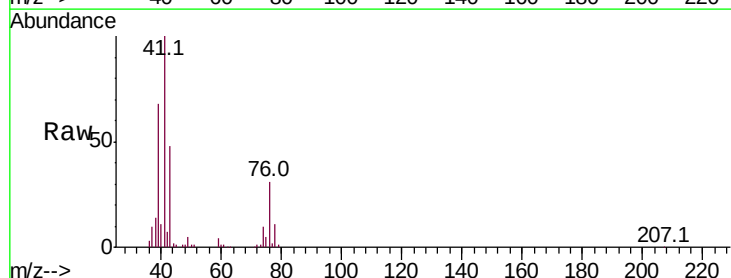
Instrument :
MSVOA_W
ClientSampleId :

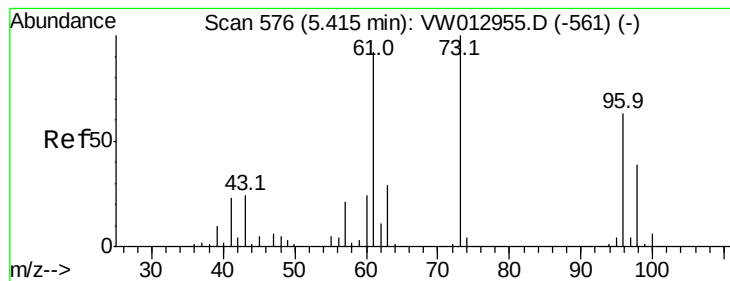
Tot Ion: 76 Resp: 190806
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 58.760 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 43 Resp: 95318
Ion Ratio Lower Upper
43 100
74 20.1 17.8 26.8



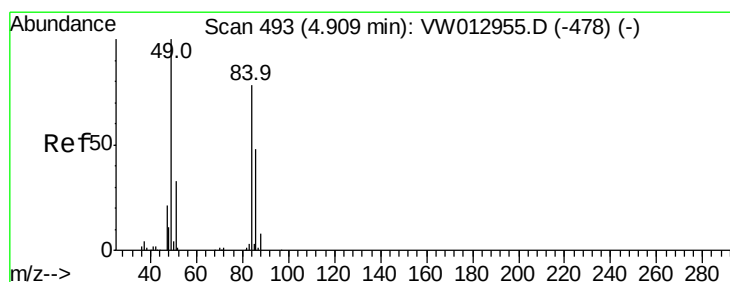
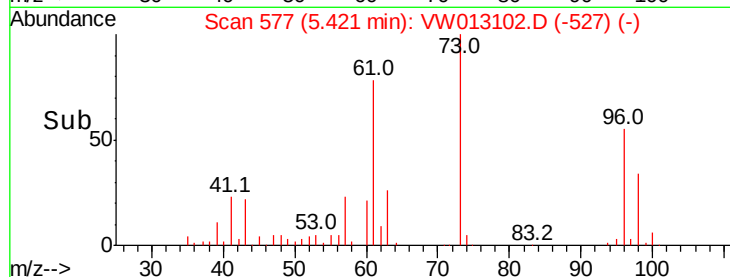
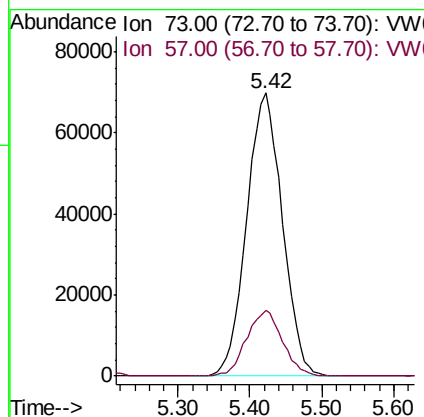
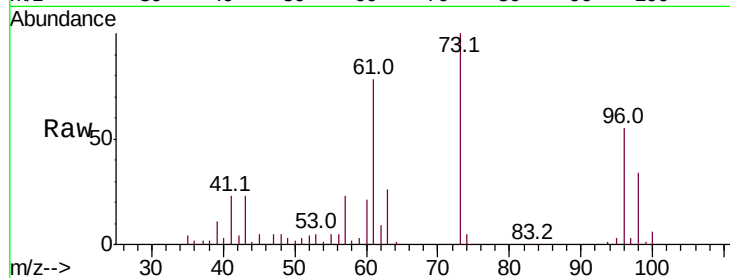


#19

Methyl tert-butyl Ether
 Concen: 57.166 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampled :

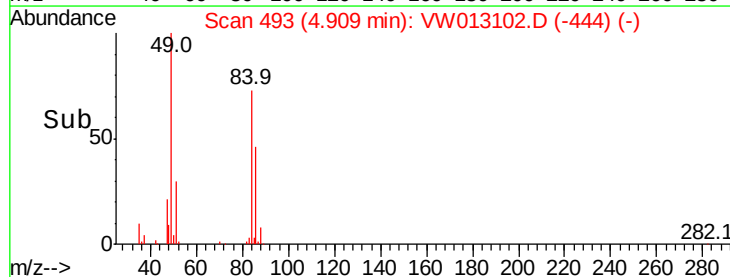
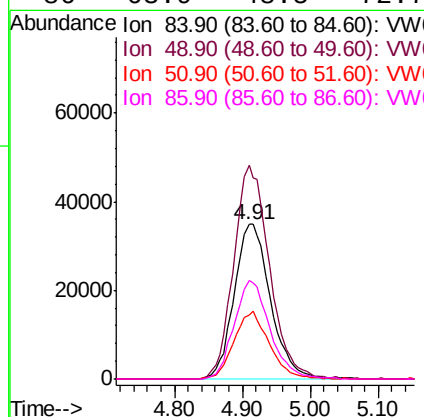
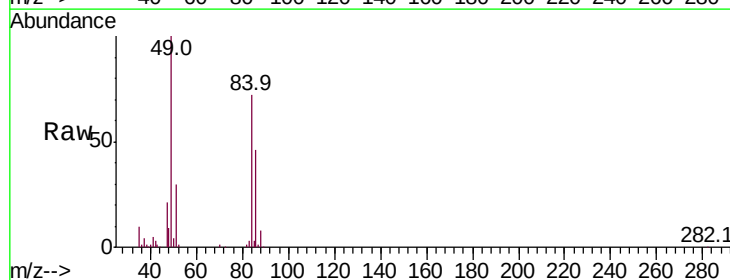
Tot Ion: 73 Resp: 240129
 Ion Ratio Lower Upper
 73 100
 57 23.0 16.4 24.6

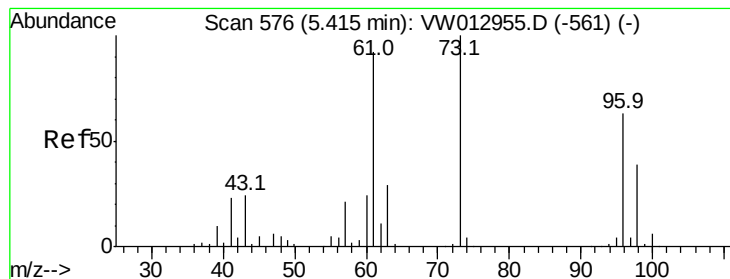


#20

Methylene Chloride
 Concen: 56.881 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 84 Resp: 129200
 Ion Ratio Lower Upper
 84 100
 49 138.0 102.0 153.0
 51 41.4 34.0 51.0
 86 63.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.442 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampled :

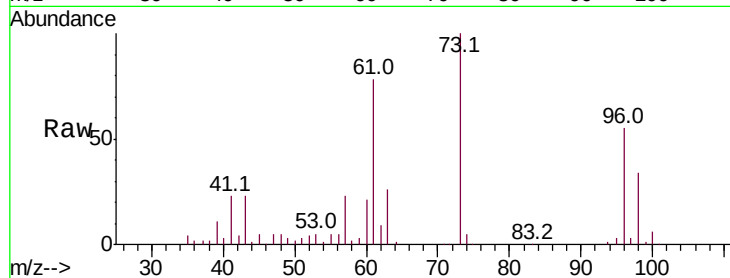
Tot Ion: 96 Resp: 114964

Ion Ratio Lower Upper

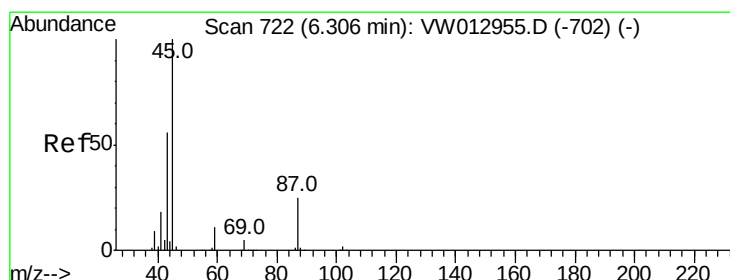
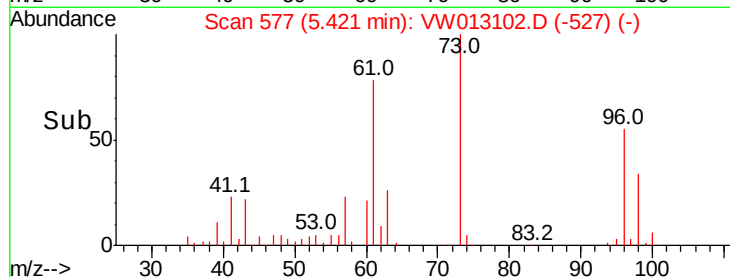
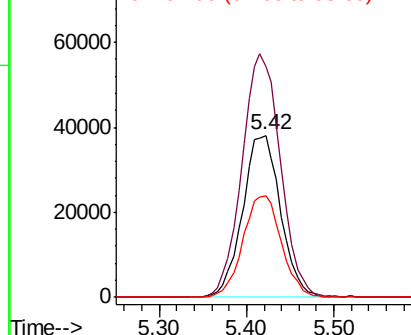
96 100

61 142.3 116.2 174.2

98 62.4 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: 58.227 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion: 45 Resp: 488667

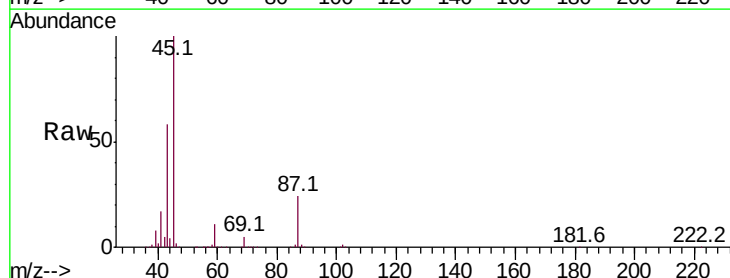
Ion Ratio Lower Upper

45 100

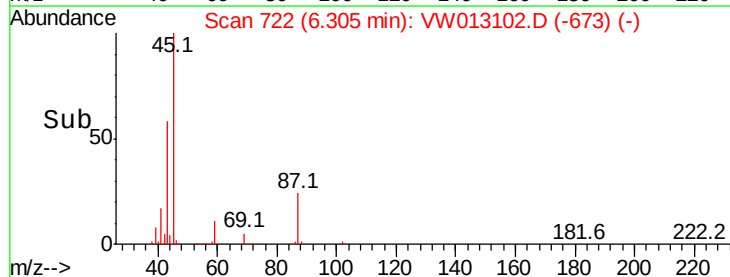
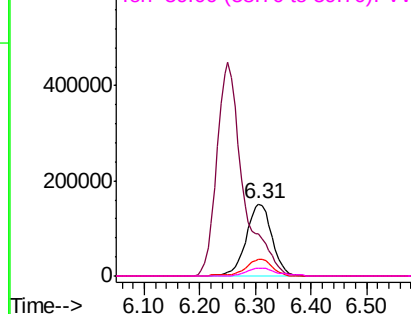
43 57.9 44.6 67.0

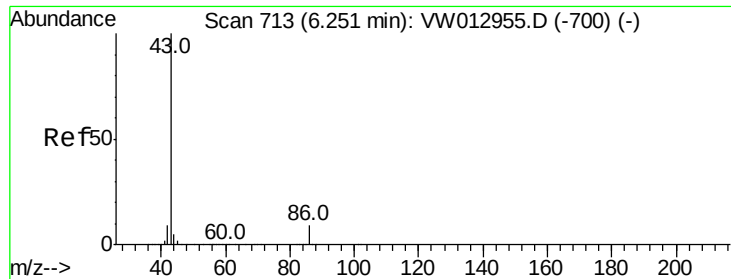
87 23.6 20.0 30.0

59 10.5 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

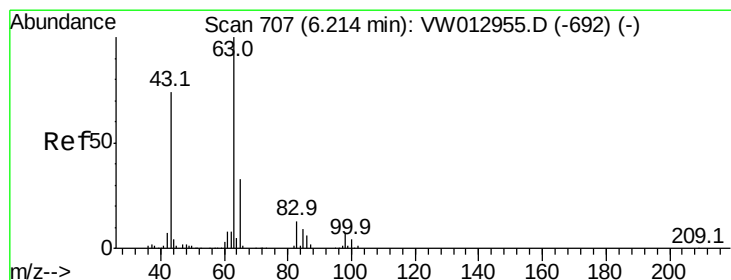
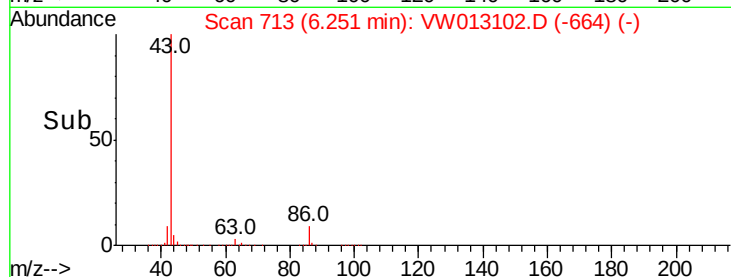
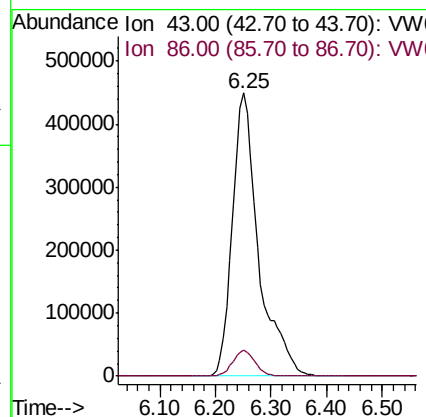
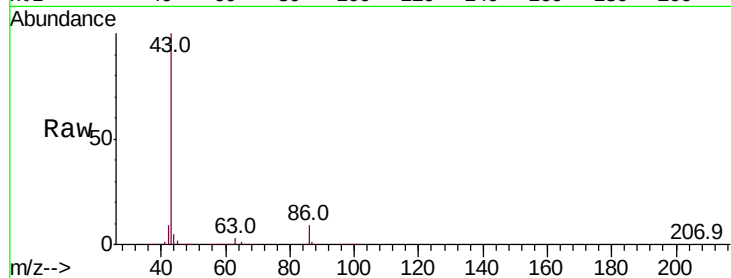




#23
 Vinyl Acetate
 Concen: 292.292 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

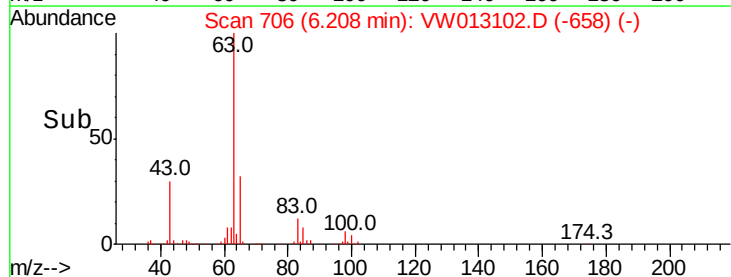
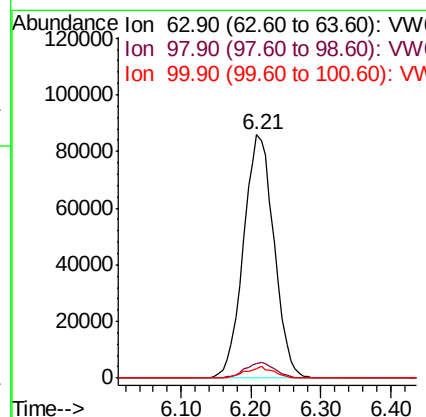
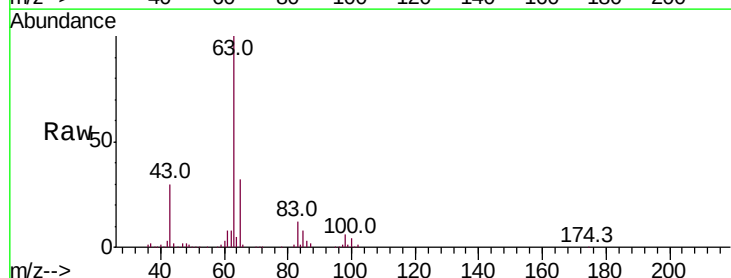
Instrument :
 MSVOA_W
 ClientSampled :

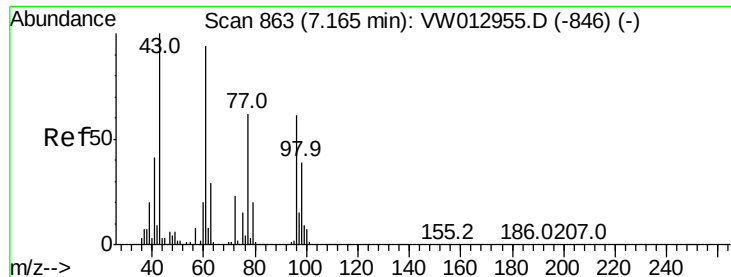
Tot Ion: 43 Resp: 1469227
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 53.614 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 63 Resp: 259428
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.9
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 283.956 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

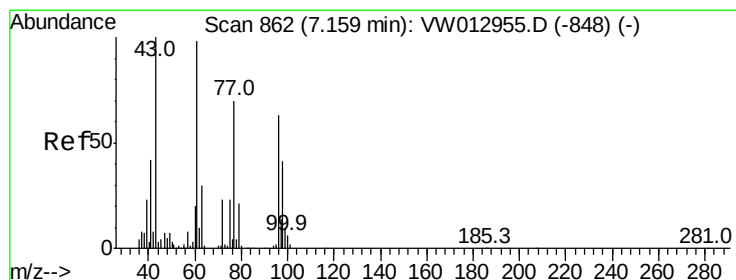
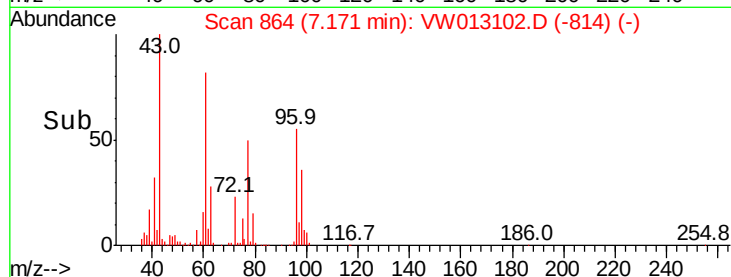
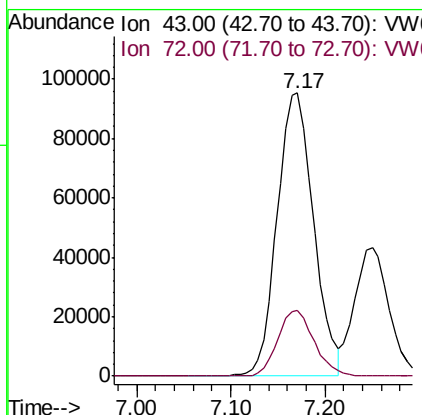
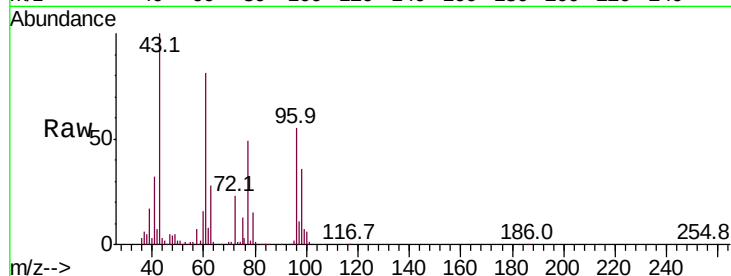
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 257083

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 49.778 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013102.D

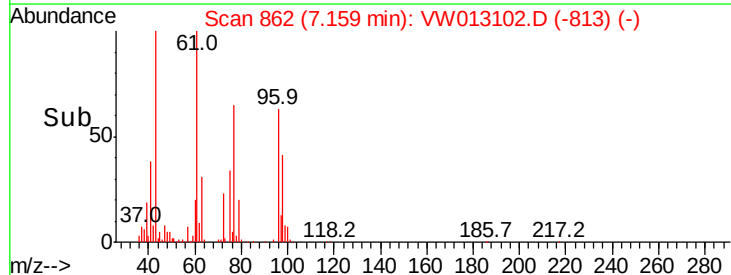
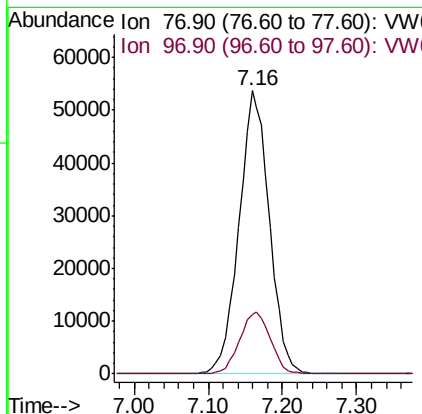
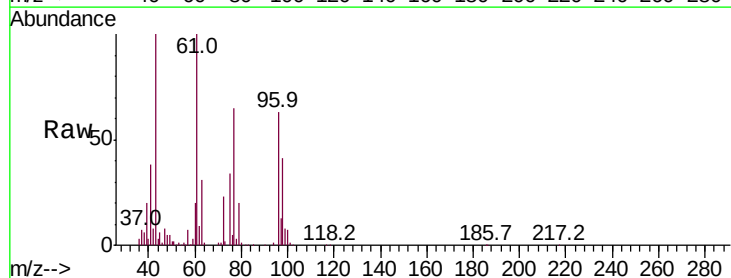
Acq: 17 Sep 2019 20:21

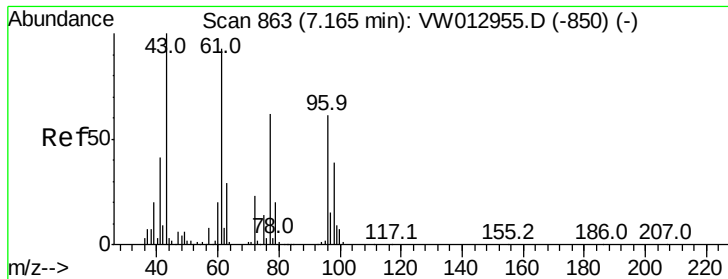
Tgt Ion: 77 Resp: 152921

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1



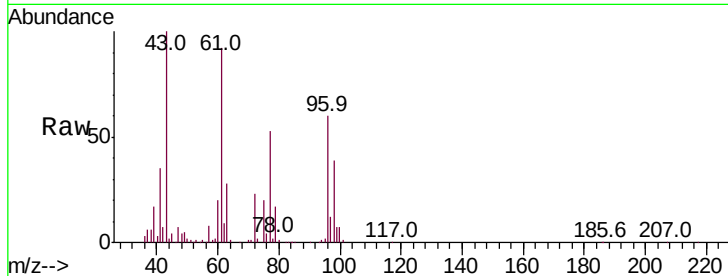


#27

cis-1,2-Dichloroethene
Concen: 53.608 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	146276
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	315.4
98	65.6	0.0	131.0

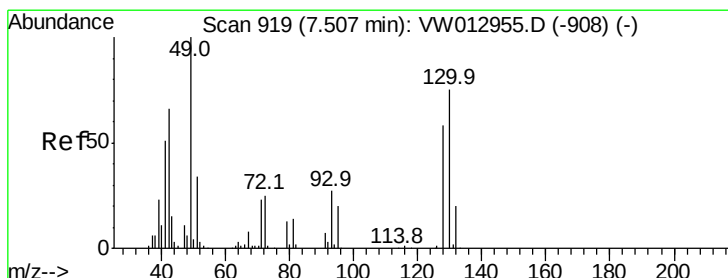
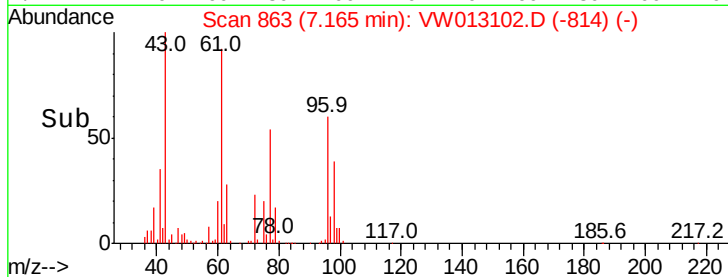
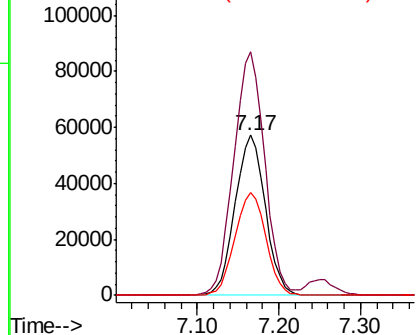


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

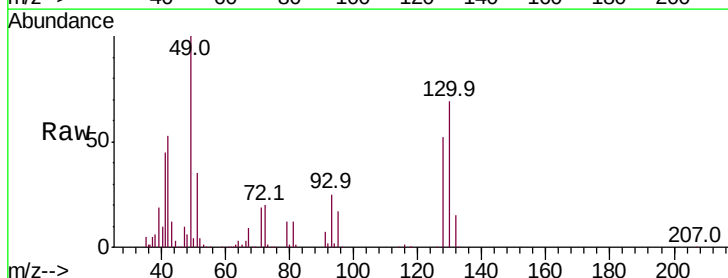
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 61.296 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	49	Resp	124840
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	68.3	57.8	86.6

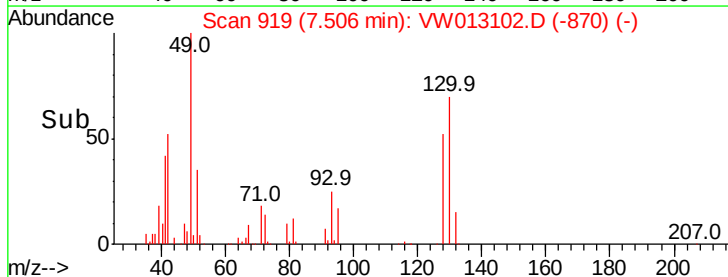
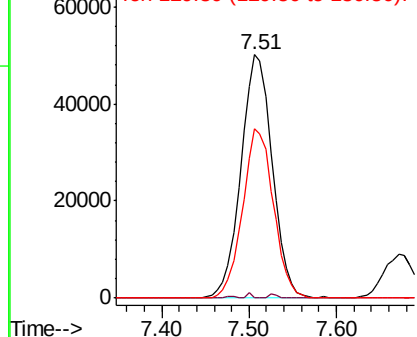


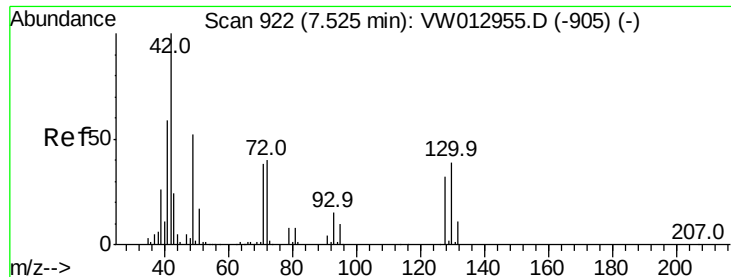
Abundance

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

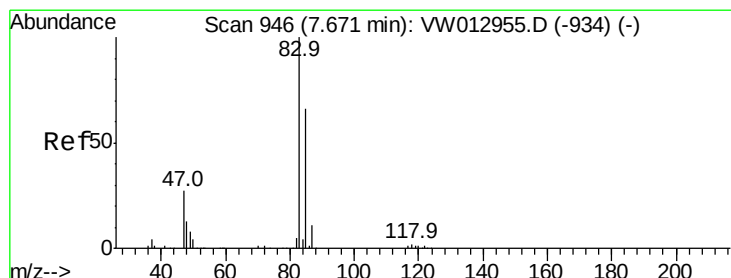
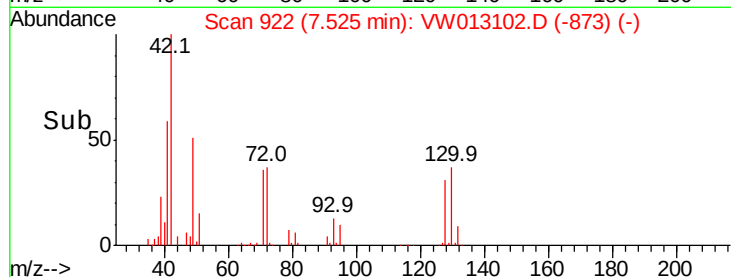
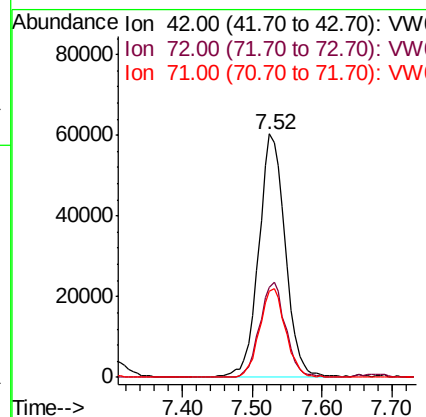
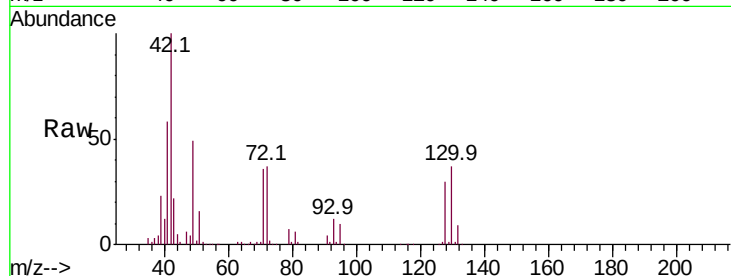




#29
Tetrahydrofuran
Concen: 308.947 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

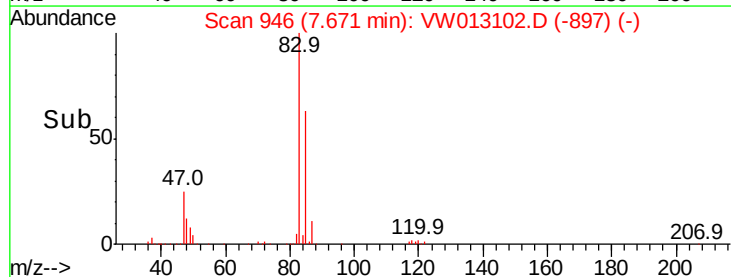
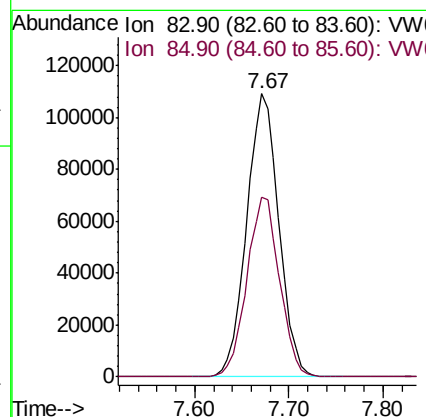
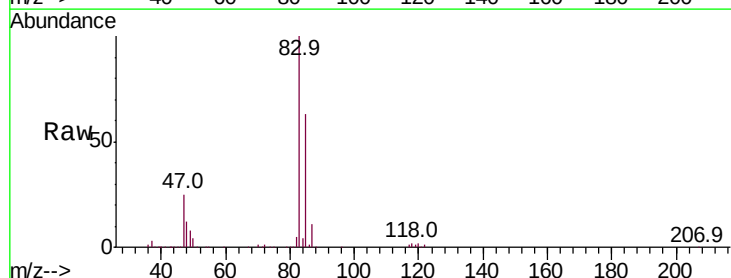
Instrument :
MSVOA_W
ClientSampled :

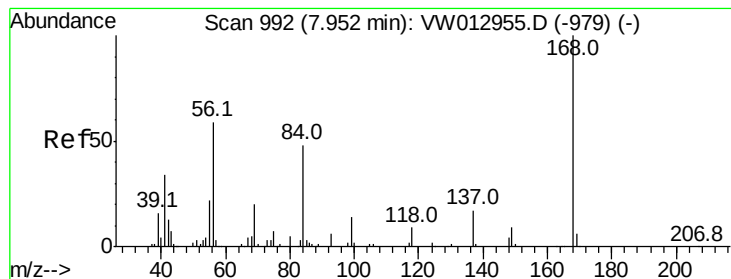
Tot Ion: 42 Resp: 159373
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.0
71 35.8 29.8 44.8



#30
Chloroform
Concen: 53.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 83 Resp: 260868
Ion Ratio Lower Upper
83 100
85 63.5 52.8 79.2





#31

Cyclohexane

Concen: 52.885 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

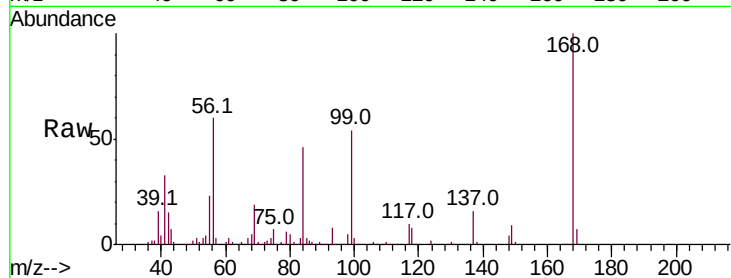
Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 191205

Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.0	40.6
84	75.6	66.2	99.2

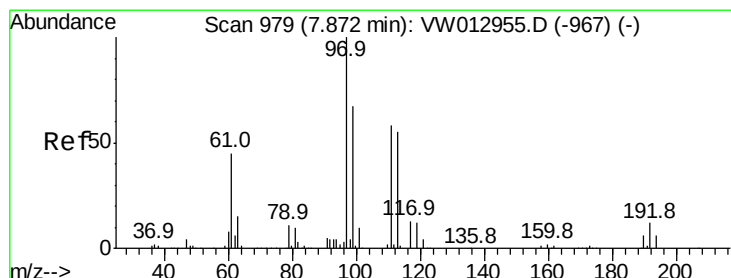
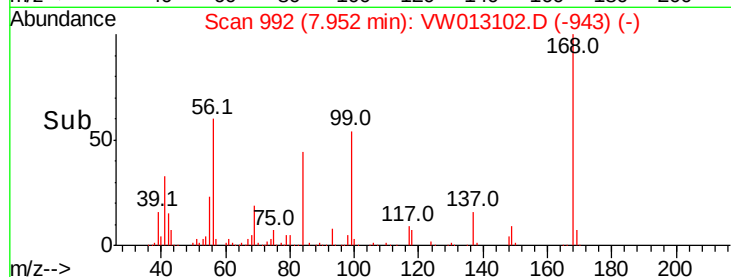
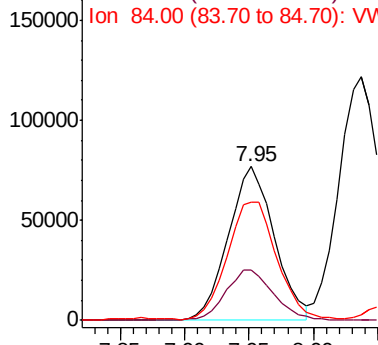


Abundance

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: 49.686 ug/l

RT: 7.87 min Scan# 979

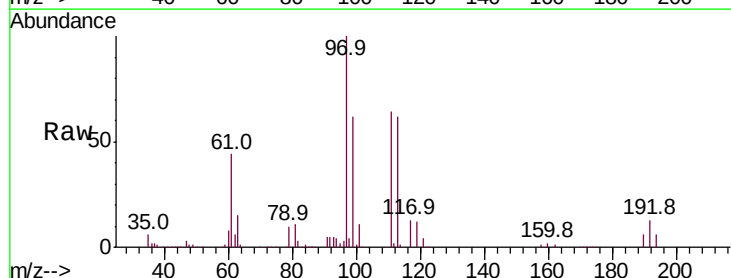
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion: 97 Resp: 201177

Ion	Ratio	Lower	Upper
97	100		
99	63.6	53.0	79.4
61	44.6	36.5	54.7

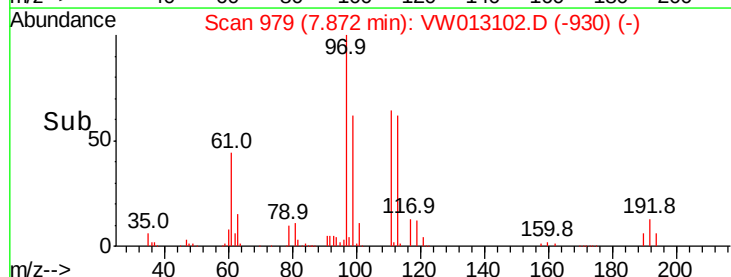
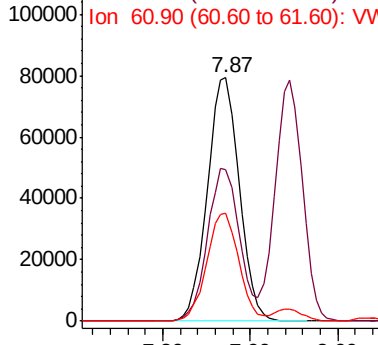


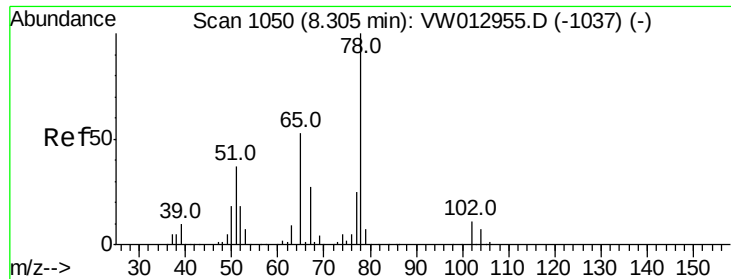
Abundance

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

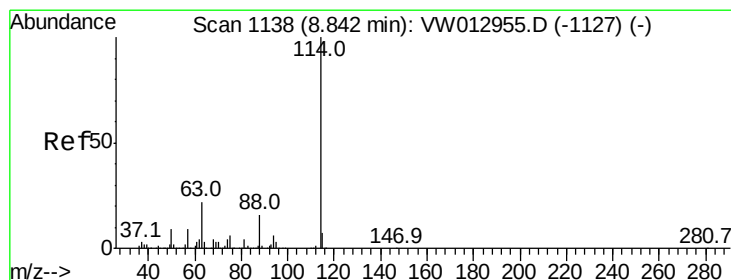
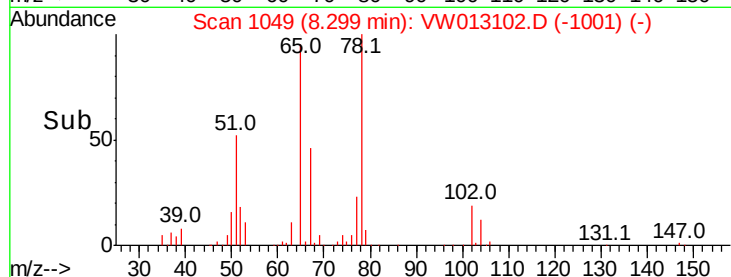
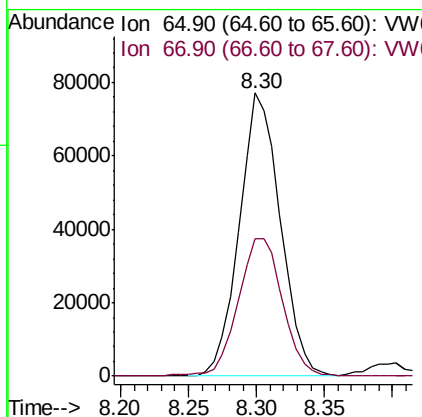
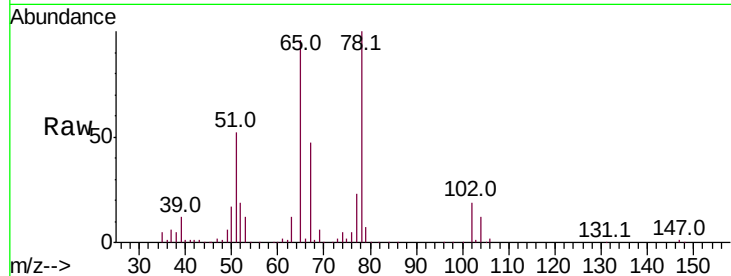




#33
 1,2-Dichloroethane-d4
 Concen: 57.074 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

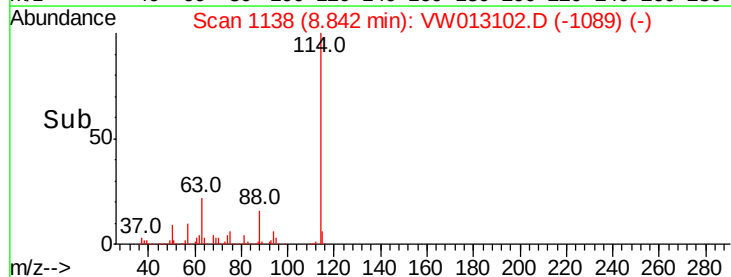
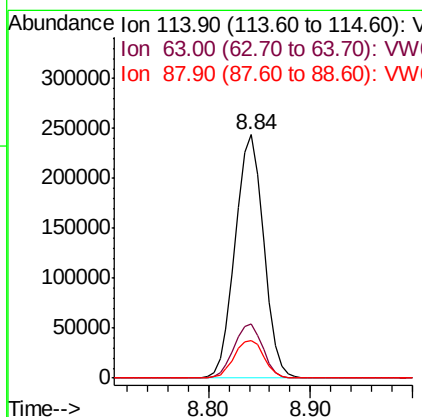
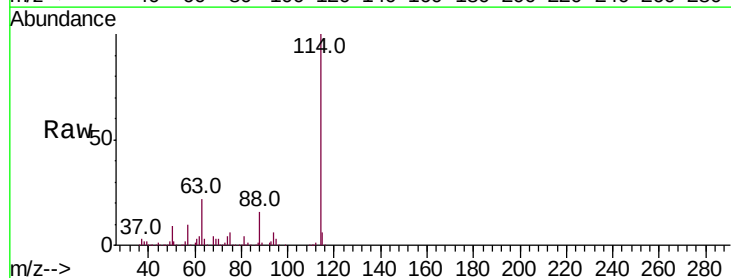
Instrument :
 MSVOA_W
 ClientSampled :

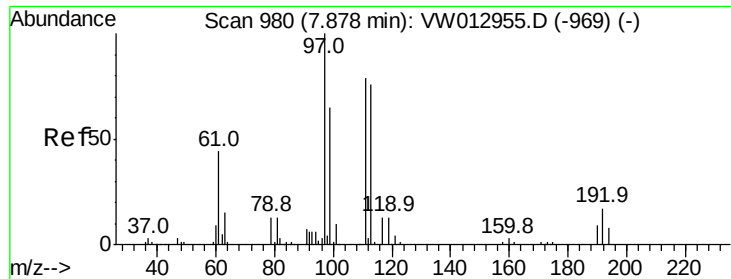
Tot Ion: 65 Resp: 162504
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 114 Resp: 472387
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 15.7 0.0 31.6

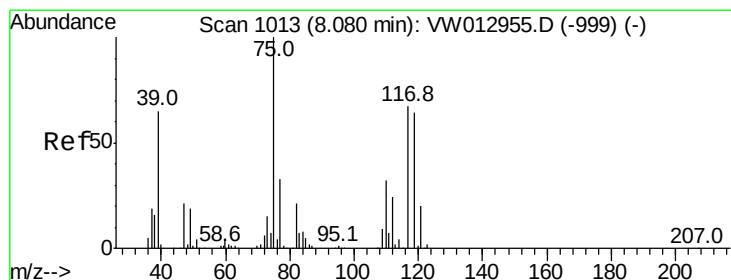
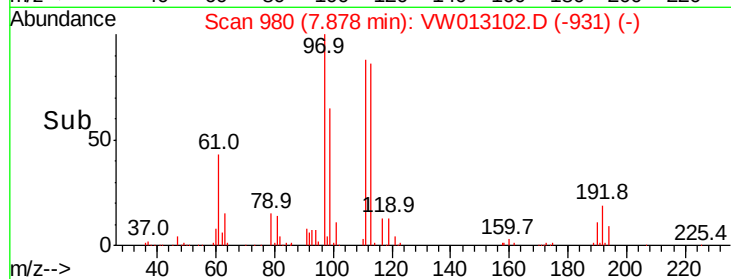
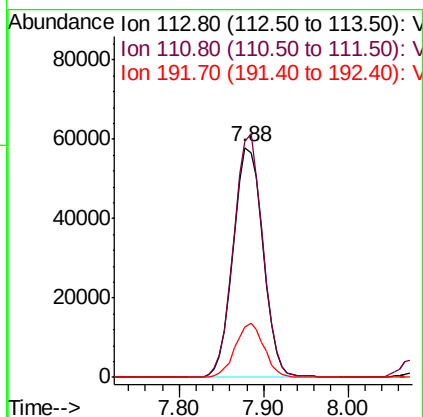
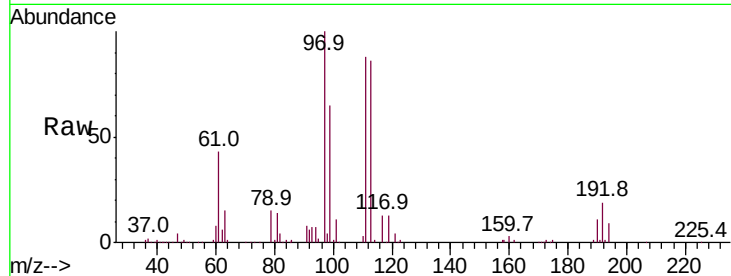




#35
 Dibromofluoromethane
 Concen: 54.101 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

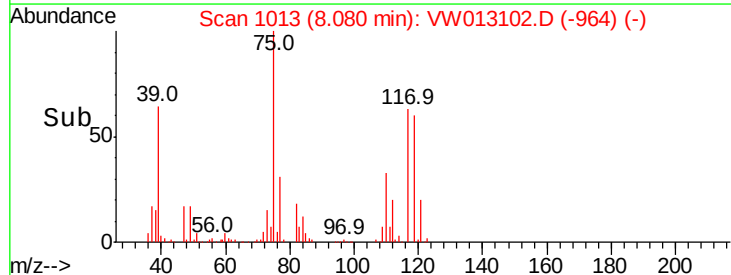
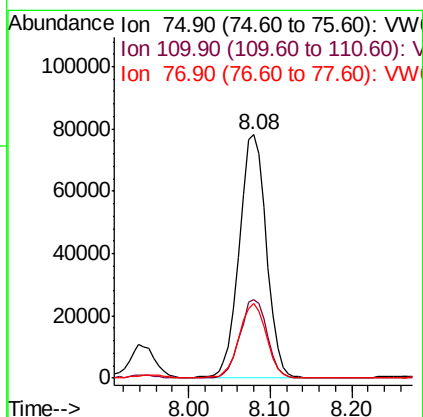
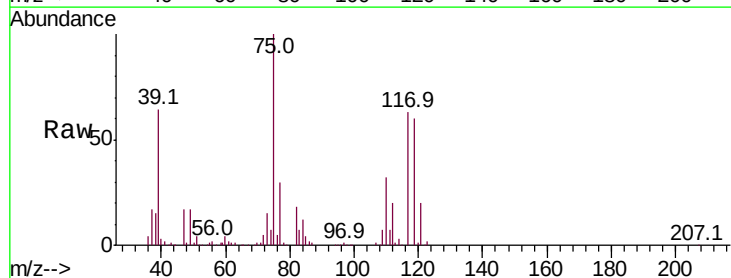
Instrument :
 MSVOA_W
 ClientSampleId :

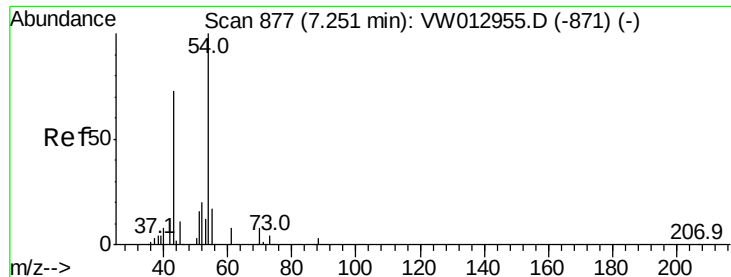
Tot Ion:113 Resp: 138673
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.8 124.2
 192 22.4 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 47.703 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 75 Resp: 180067
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.4 49.1
 77 31.0 25.1 37.7

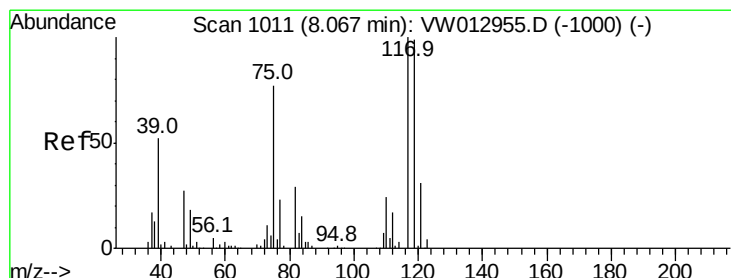
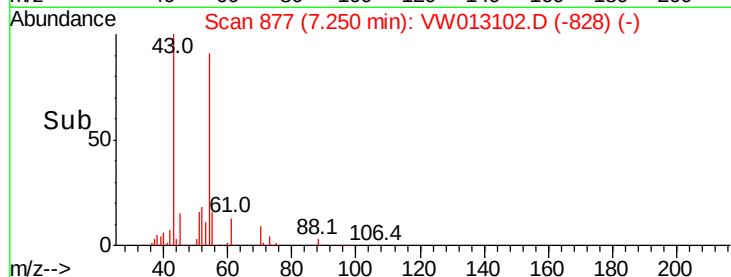
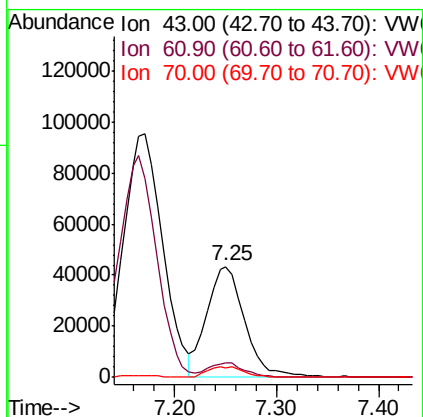
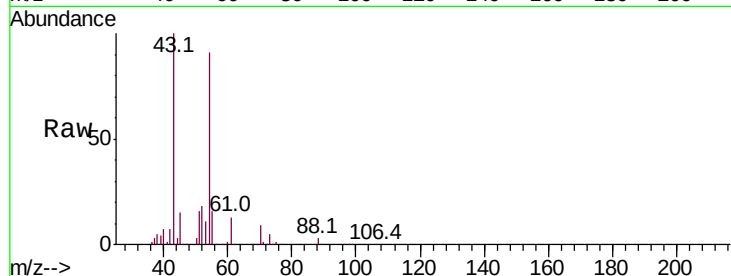




#37
Ethyl Acetate
Concen: 55.514 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

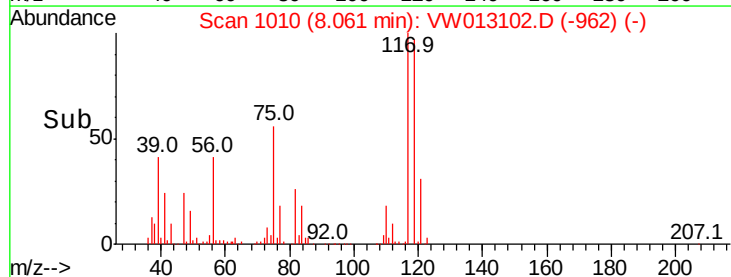
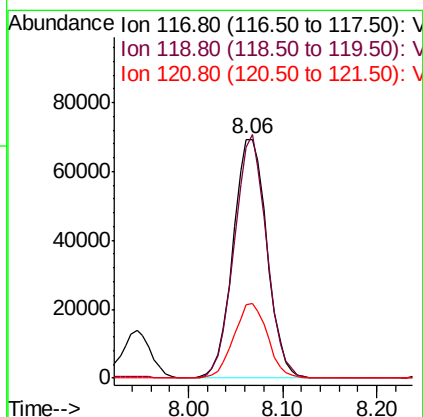
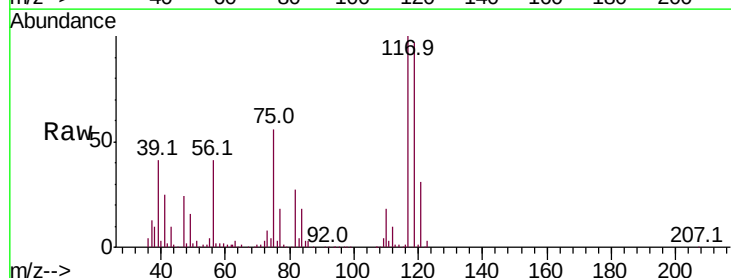
Instrument :
MSVOA_W
ClientSampled :

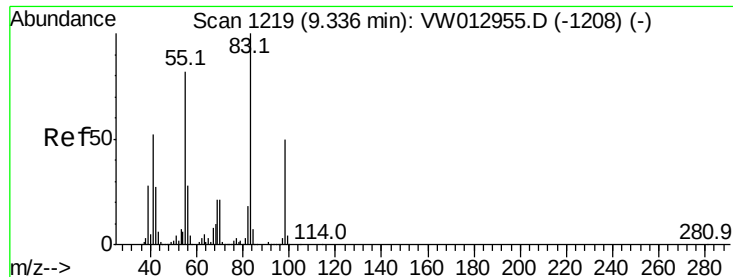
Tot Ion: 43 Resp: 111228
Ion Ratio Lower Upper
43 100
61 12.7 9.6 14.4
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 45.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 117 Resp: 174248
Ion Ratio Lower Upper
117 100
119 96.7 79.4 119.0
121 30.6 24.6 36.8

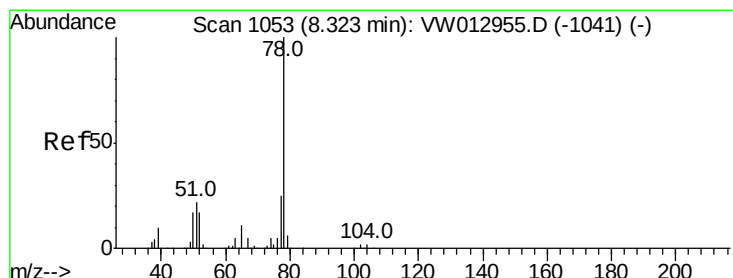
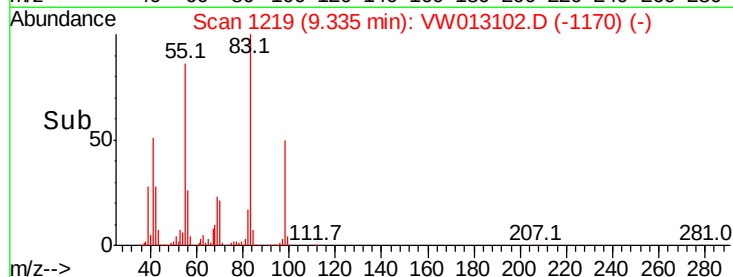
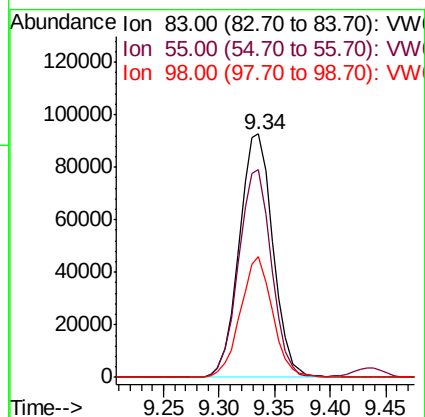
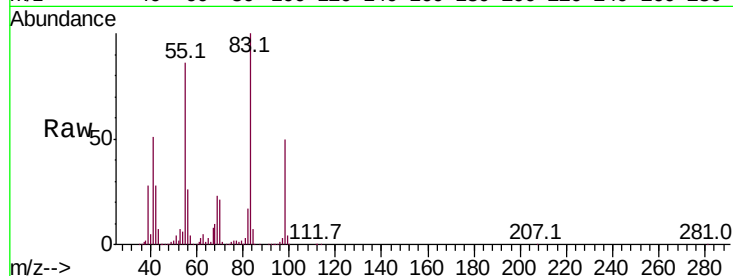




#39
Methylvlcyclohexane
Concen: 47.009 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

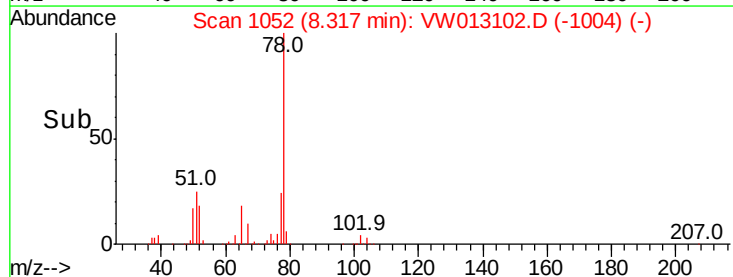
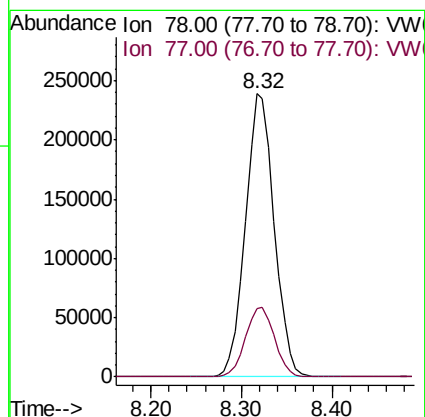
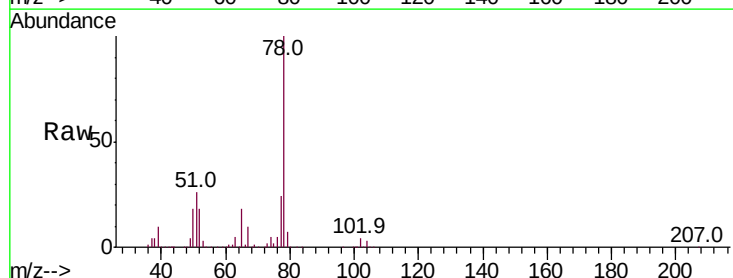
Instrument :
MSVOA_W
ClientSampleId :

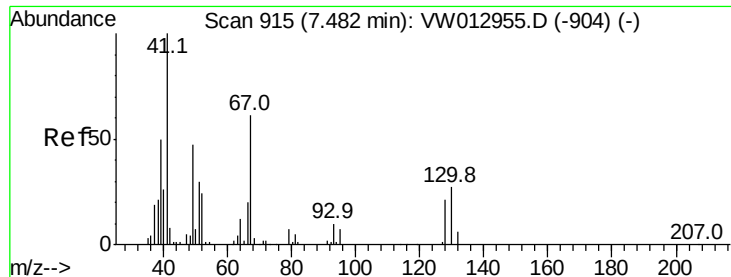
Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	65.9	98.9
98	49.8	39.6	59.4



#40
Benzene
Concen: 49.634 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4

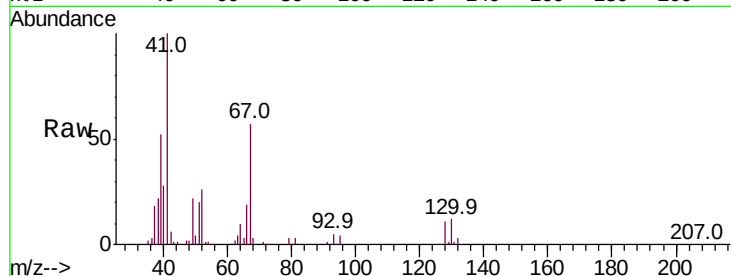




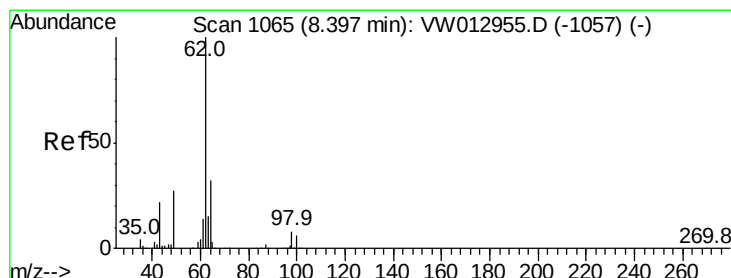
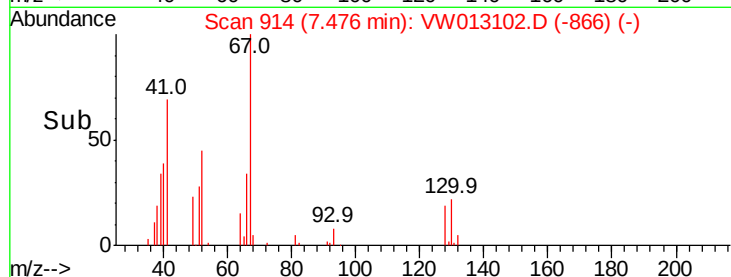
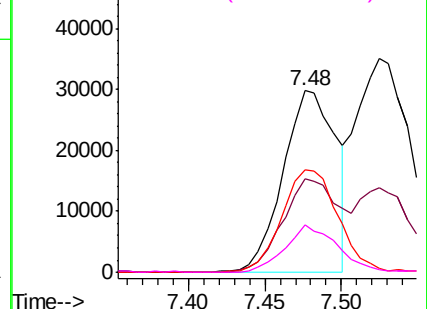
#41
Methacrylonitrile
Concen: 54.379 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	71750
Ion	Ratio	Lower	Upper
41	100		
39	56.8	48.2	72.4
67	60.3	47.5	71.3
52	25.8	21.0	31.4

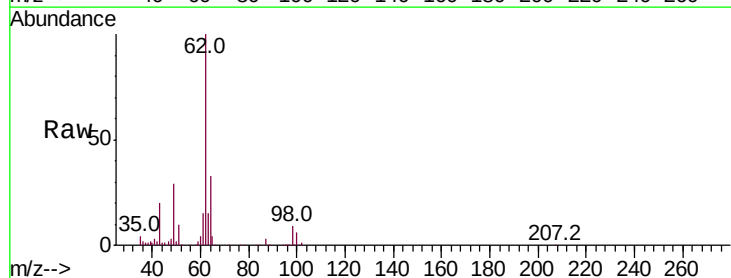


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

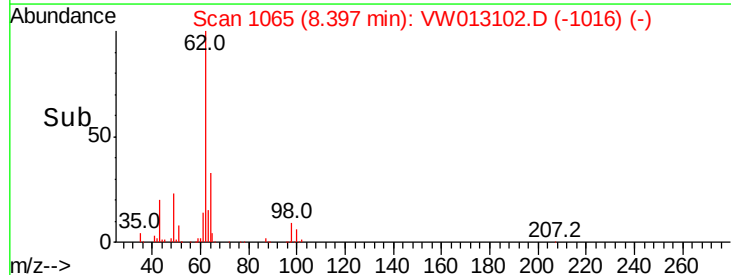
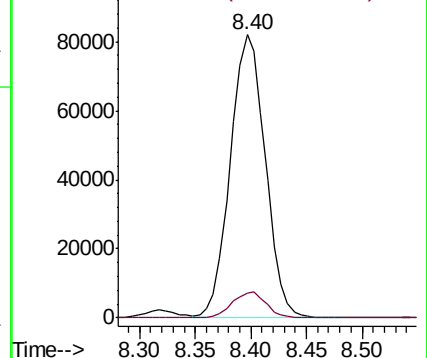


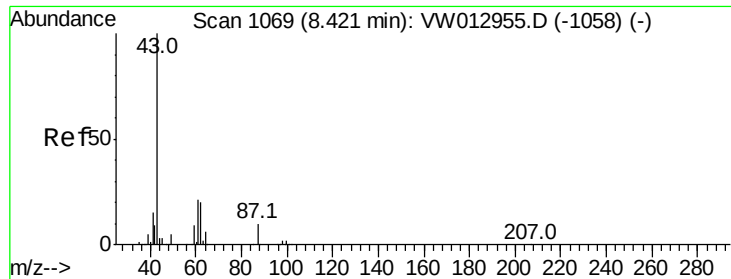
#42
1,2-Dichloroethane
Concen: 50.556 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:	62	Resp:	178592
Ion	Ratio	Lower	Upper
62	100		
98	8.9	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: 55.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

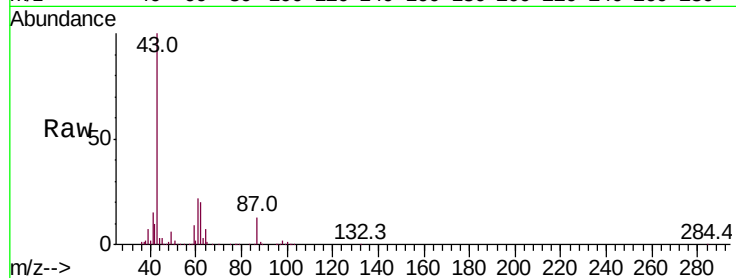
Tot Ion: 43 Resp: 212998

Ion Ratio Lower Upper

43 100

61 27.6 22.7 34.1

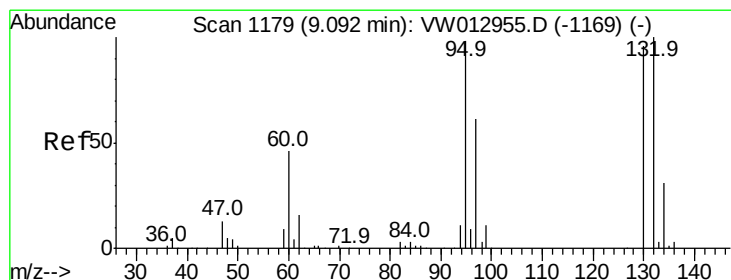
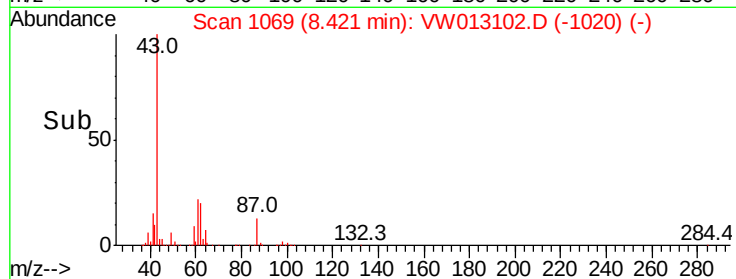
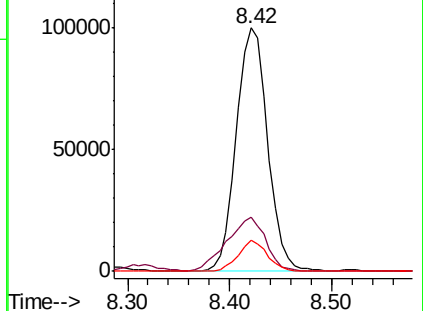
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 47.409 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013102.D

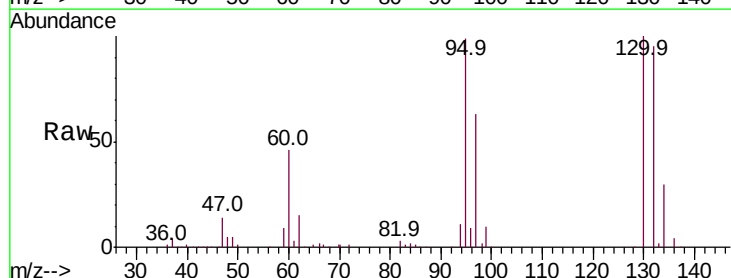
Acq: 17 Sep 2019 20:21

Tgt Ion:130 Resp: 136844

Ion Ratio Lower Upper

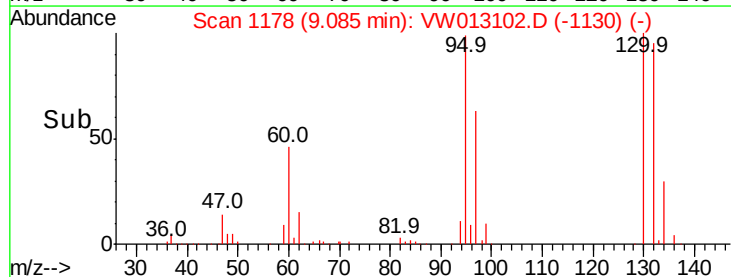
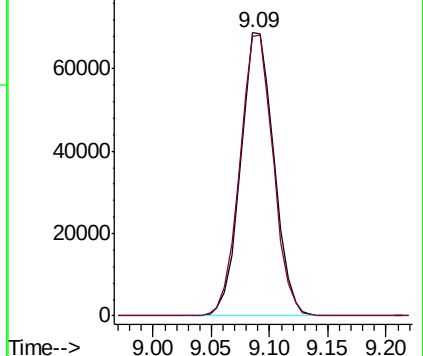
130 100

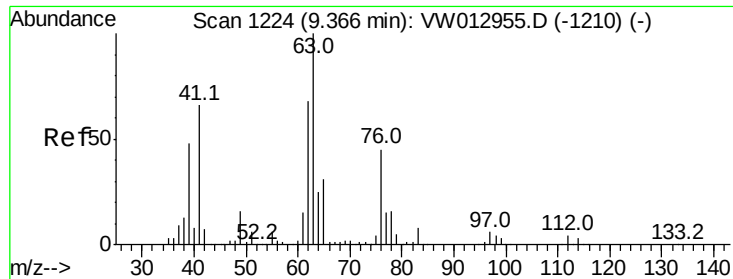
95 98.9 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

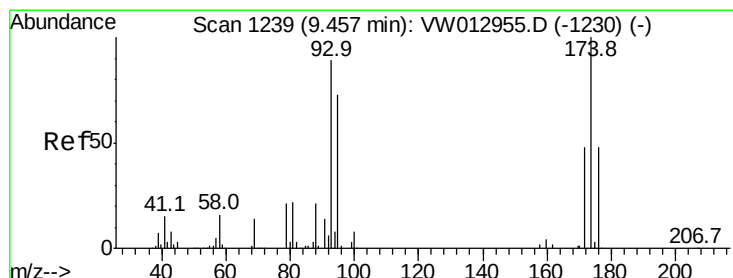
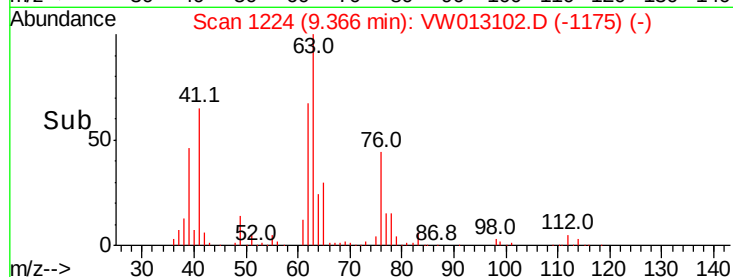
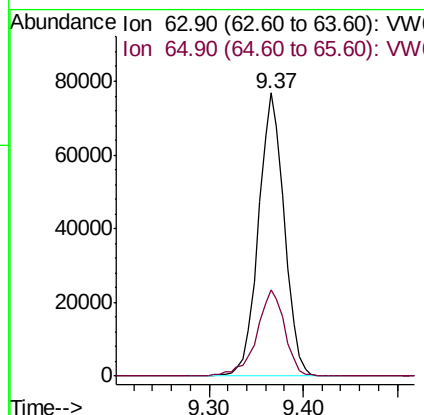
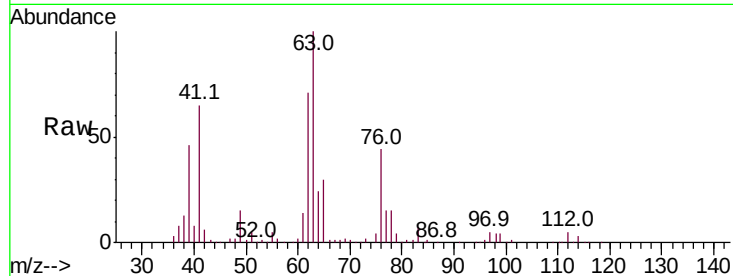




#45
 1,2-Dichloropropane
 Concen: 52.935 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

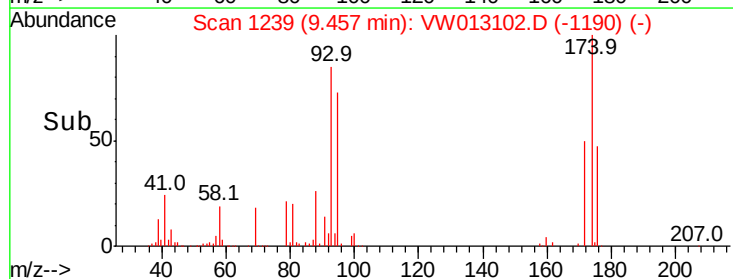
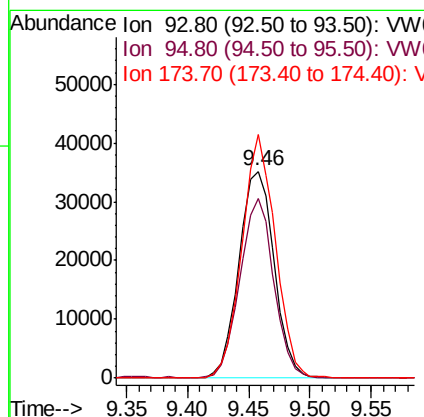
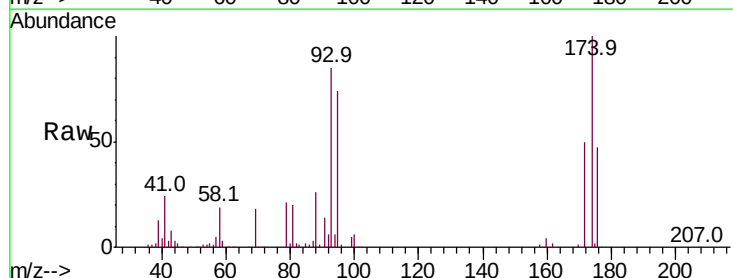
Instrument :
 MSVOA_W
 ClientSampled :

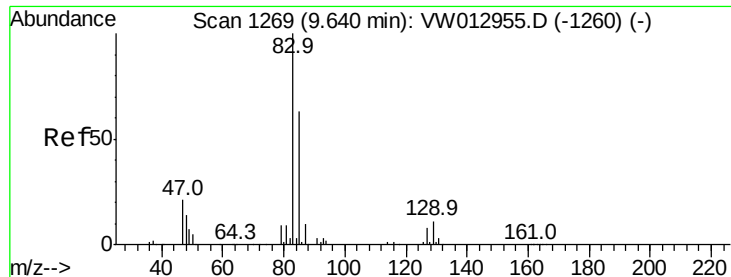
Tot Ion: 63 Resp: 148206
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0



#46
 Dibromomethane
 Concen: 52.479 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 93 Resp: 70394
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.4
 174 111.9 90.5 135.7





#47

Bromodichloromethane

Concen: 52.377 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

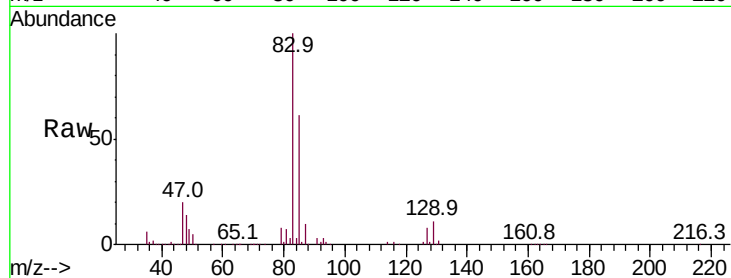
Tot Ion: 83 Resp: 197071

Ion Ratio Lower Upper

83 100

85 60.6 50.6 75.8

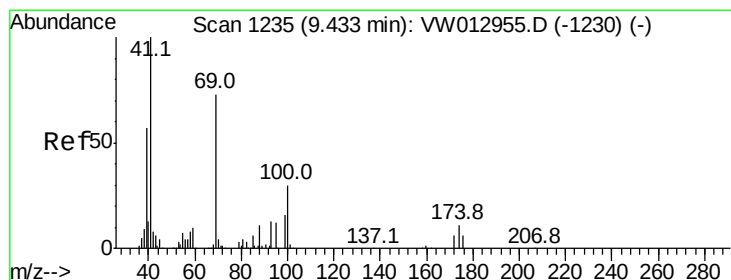
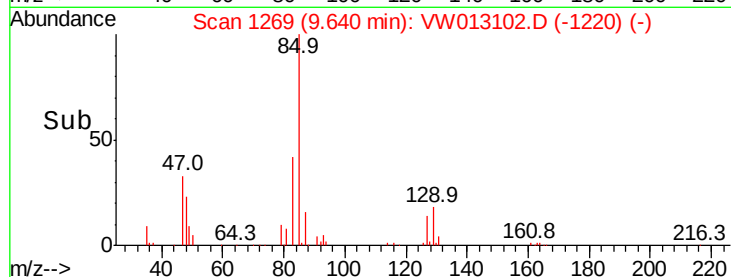
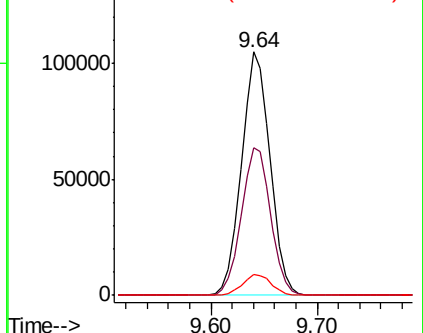
127 8.4 6.7 10.1



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: 55.812 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

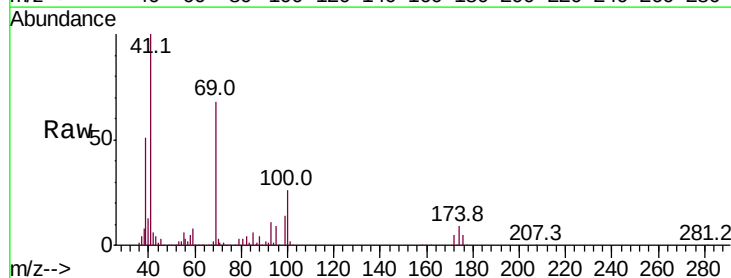
Tgt Ion: 41 Resp: 100766

Ion Ratio Lower Upper

41 100

69 78.6 62.8 94.2

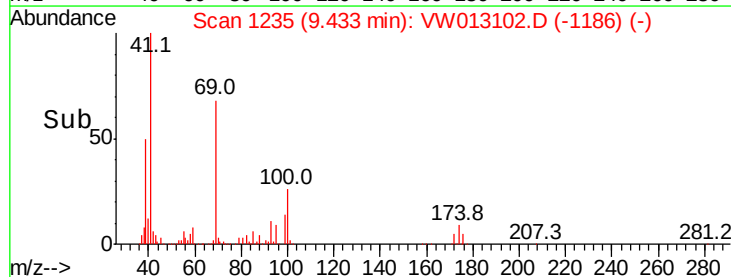
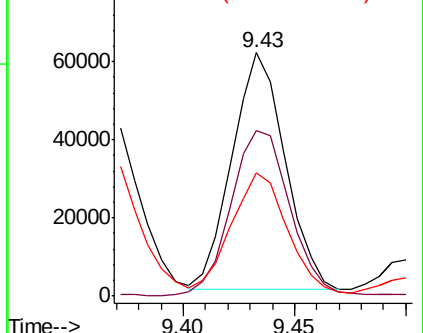
39 56.3 48.5 72.7

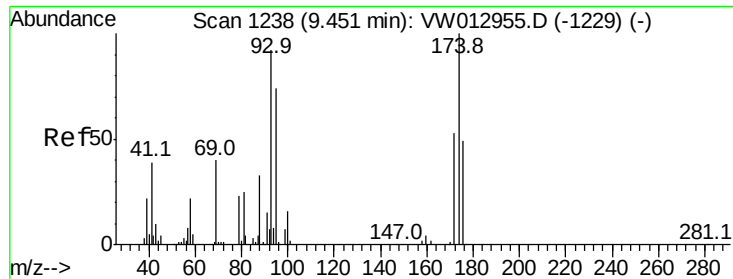


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1022.056 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

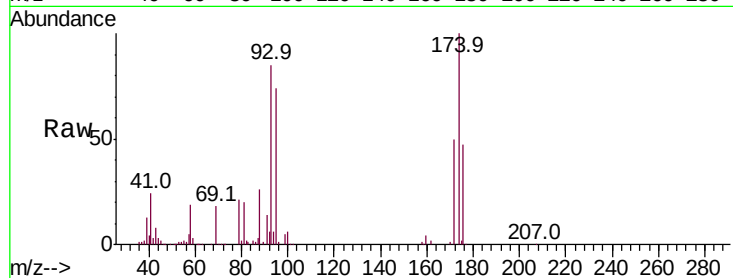
Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

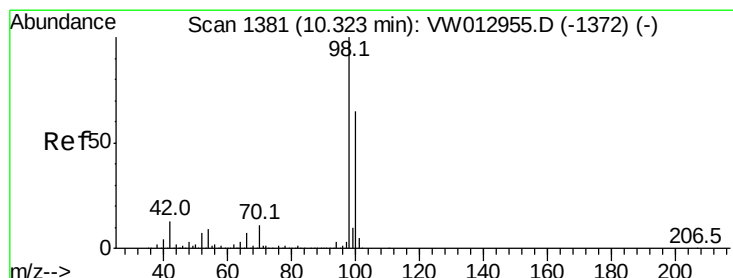
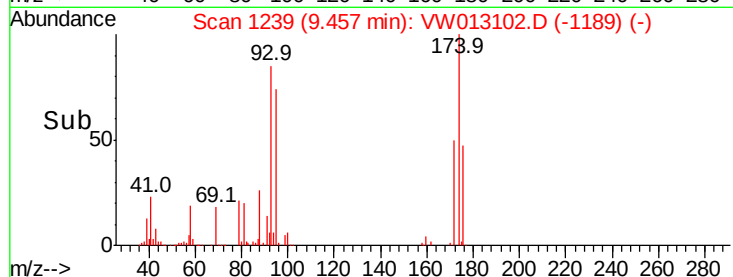
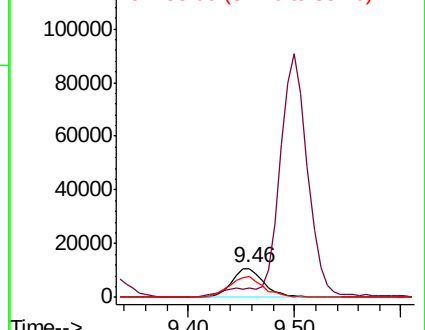
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 22972

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.7	60.2	90.2



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



#50

Toluene-d8

Concen: 53.922 ug/l

RT: 10.32 min Scan# 1381

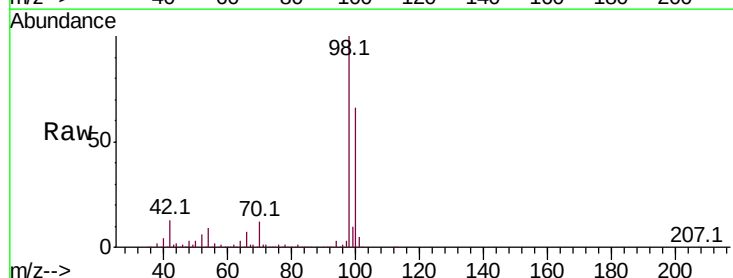
Delta R.T. -0.00 min

Lab File: VW013102.D

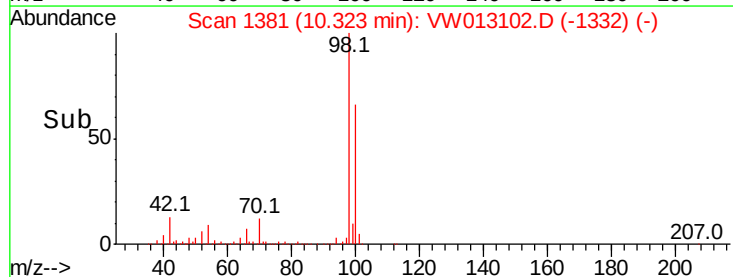
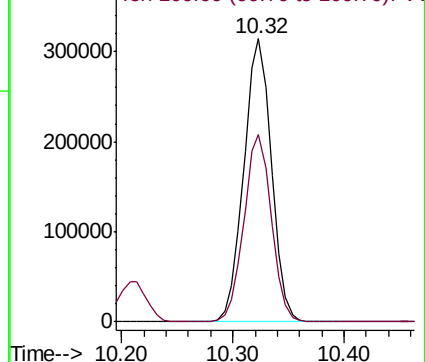
Acq: 17 Sep 2019 20:21

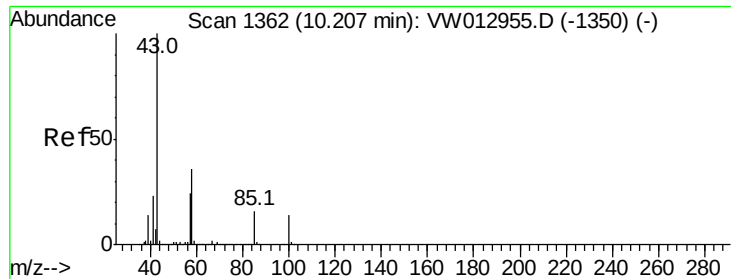
Tgt Ion: 98 Resp: 540852

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1



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

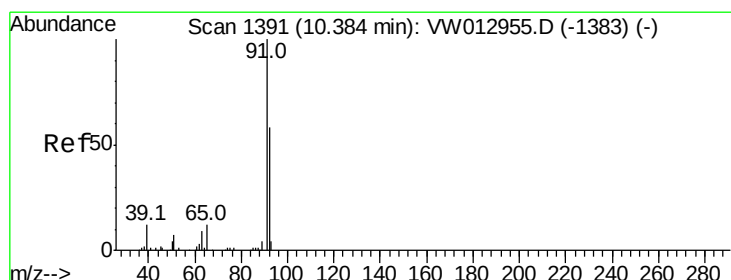
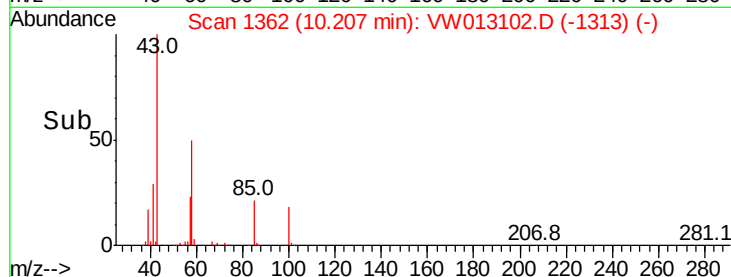
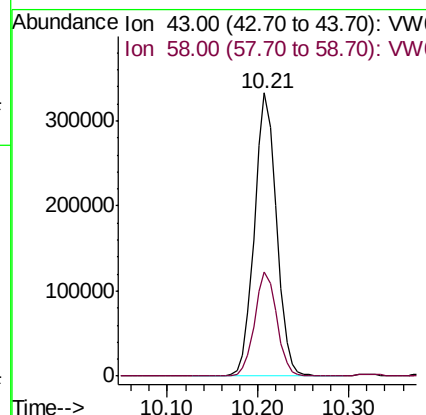
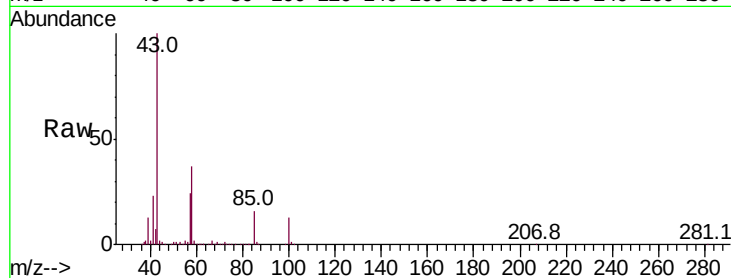




#51
 4-Methyl-2-Pentanone
 Concen: 282.854 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

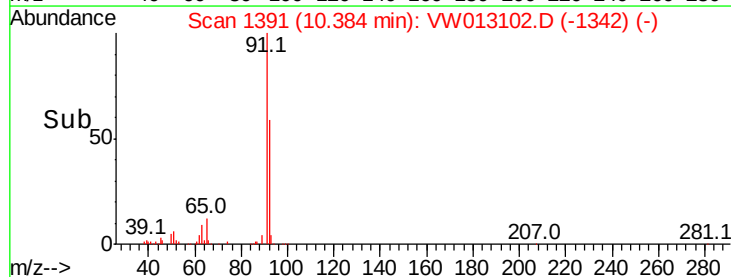
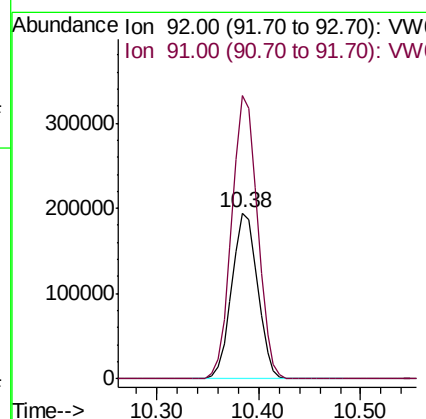
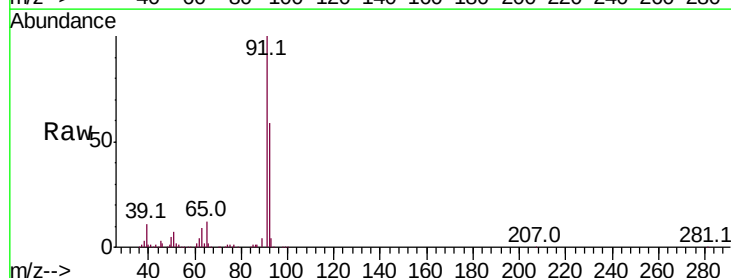
Instrument :
 MSVOA_W
 ClientSampled :

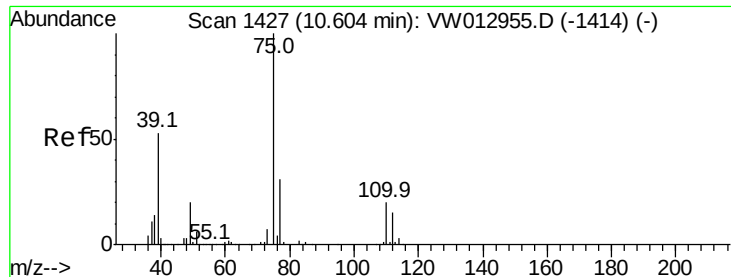
Tot Ion: 43 Resp: 561782
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.5 44.3



#52
 Toluene
 Concen: 50.716 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 92 Resp: 339604
 Ion Ratio Lower Upper
 92 100
 91 170.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 51.787 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

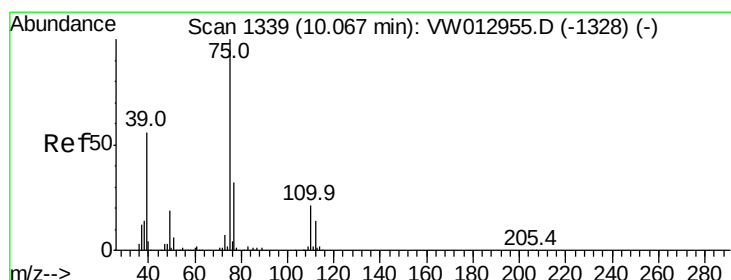
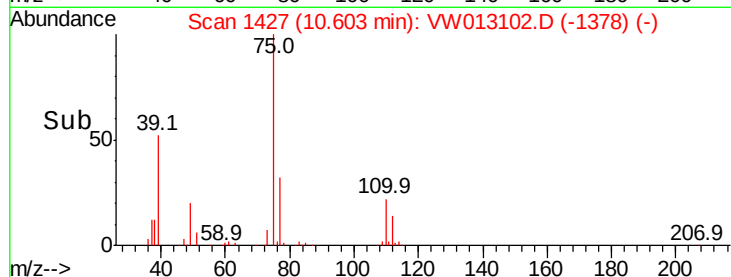
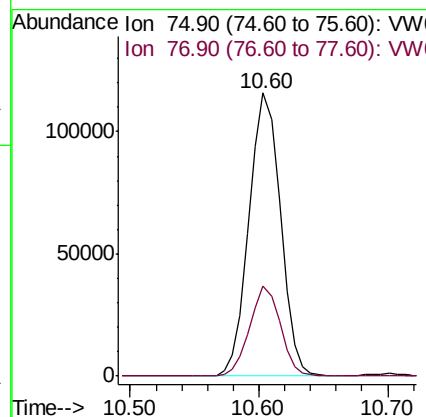
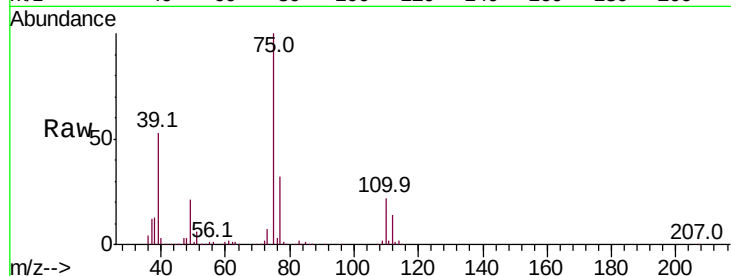
ClientSampled :

Tot Ion: 75 Resp: 195963

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 51.695 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

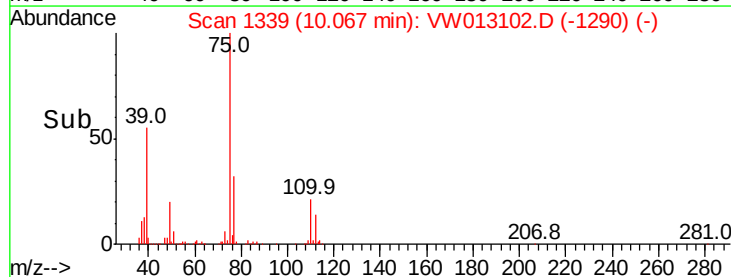
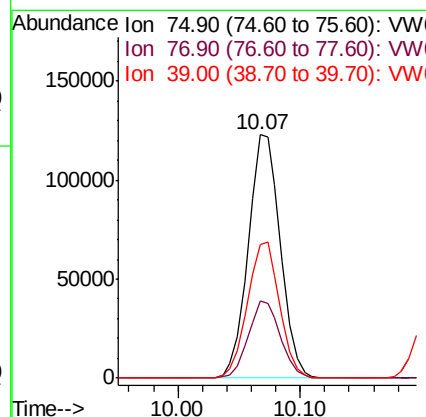
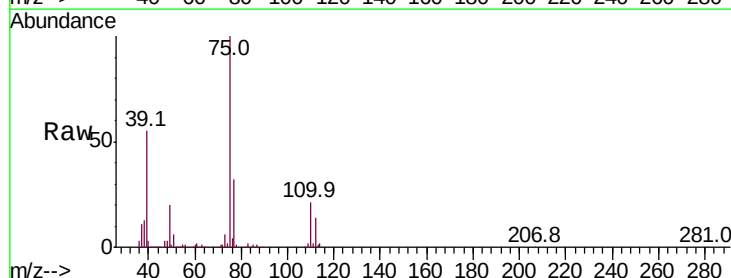
Tgt Ion: 75 Resp: 223820

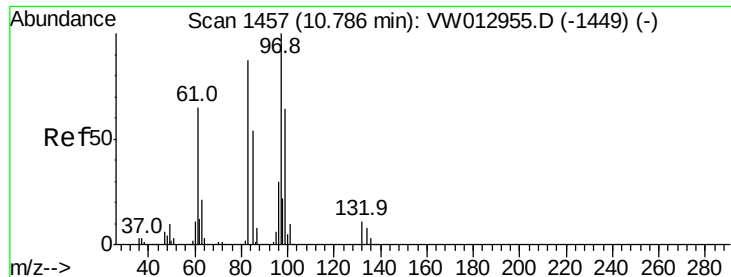
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 54.7 45.0 67.6

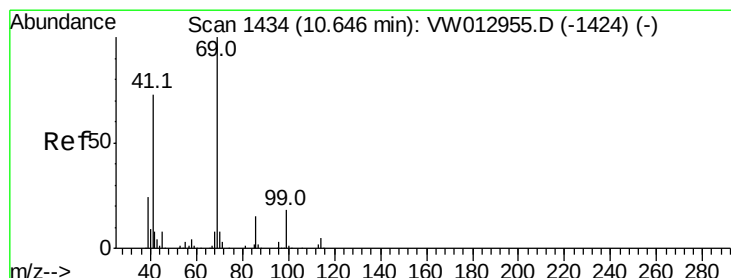
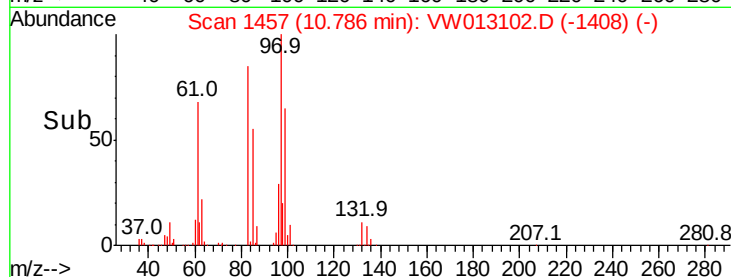
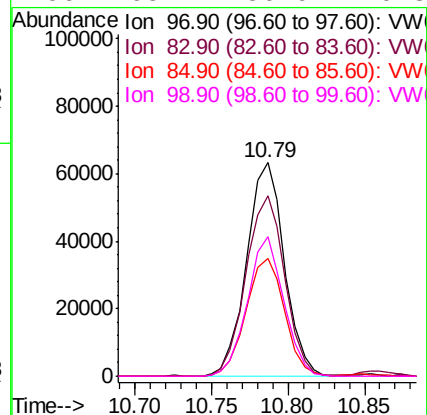
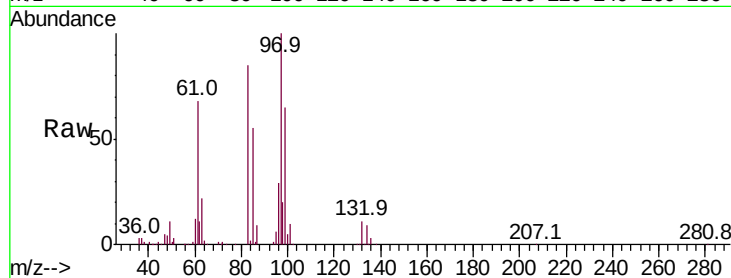




#55
 1,1,2-Trichloroethane
 Concen: 53.076 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

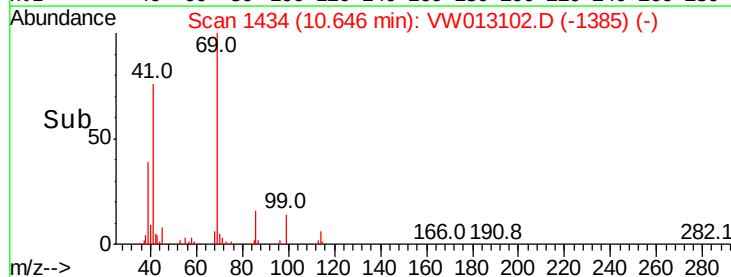
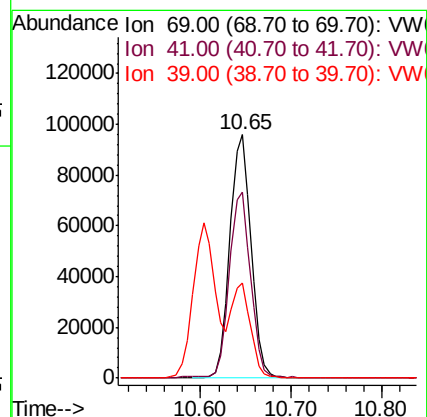
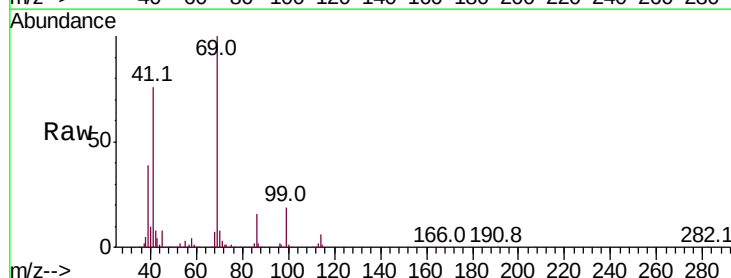
Instrument :
 MSVOA_W
 ClientSampled :

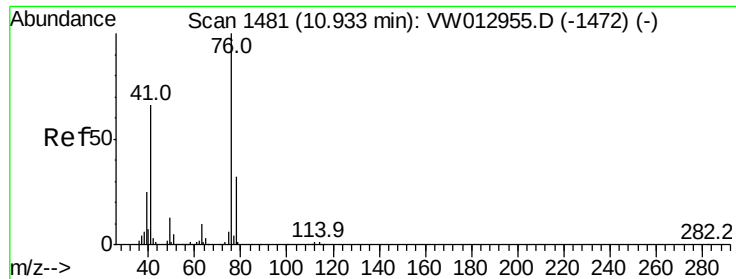
Tot Ion:	97	Resp:	108458
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.4	104.0
85	55.0	43.3	64.9
99	65.4	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 56.838 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion:	69	Resp:	156332
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	34.7	29.4	44.0

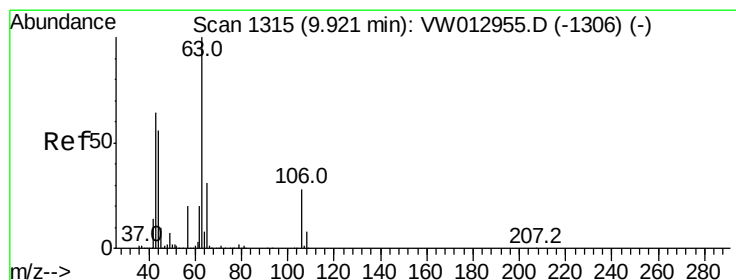
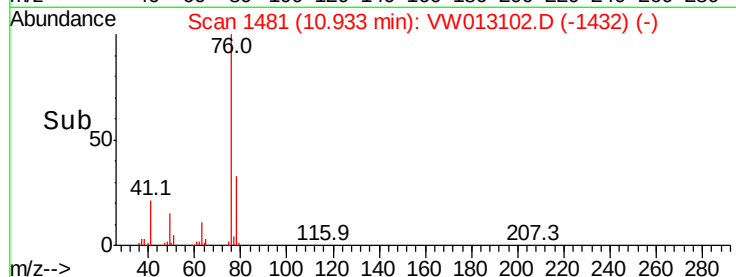
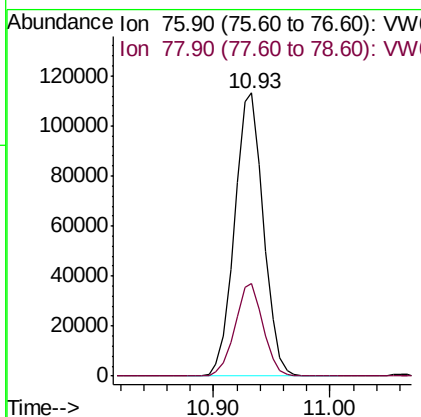
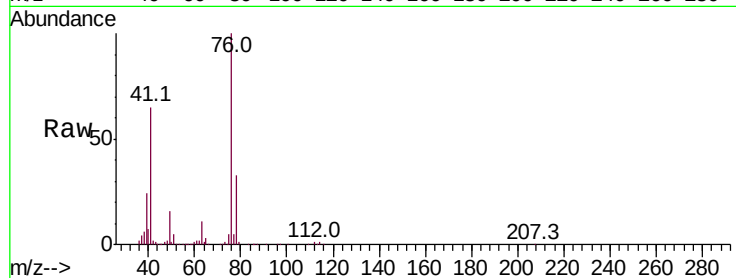




#57
 1,3-Dichloropropane
 Concen: 53.791 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

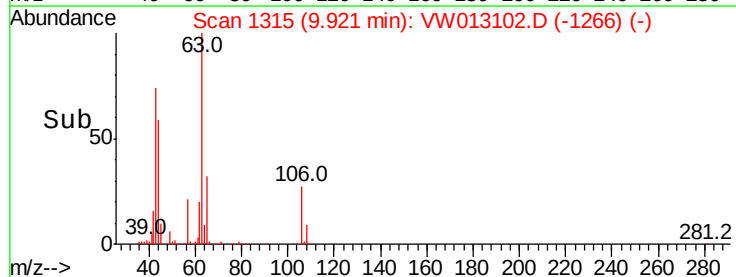
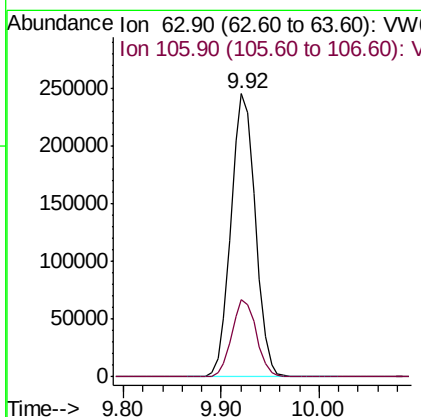
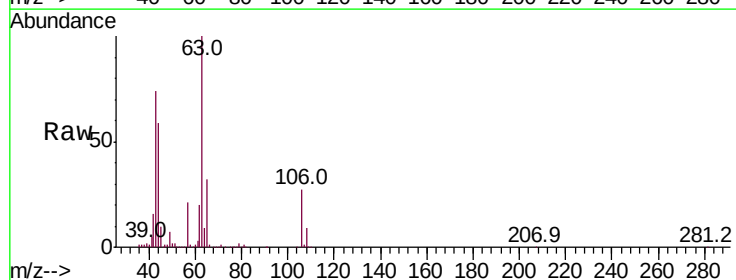
Instrument :
 MSVOA_W
 ClientSampled :

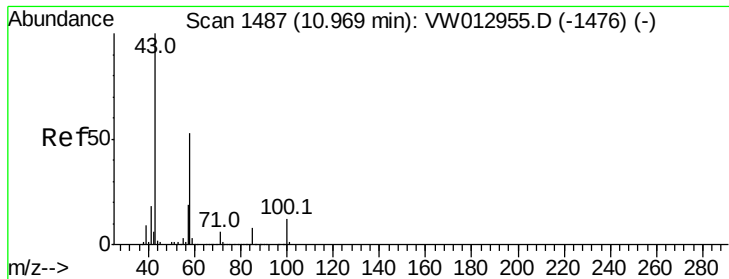
Tot Ion: 76 Resp: 194985
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.093 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 63 Resp: 425068
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2

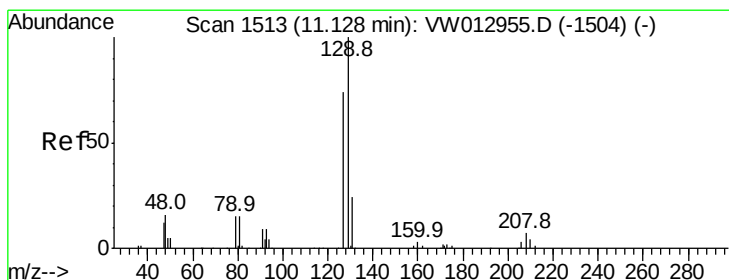
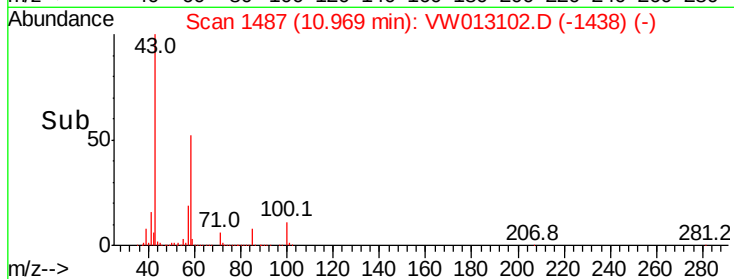
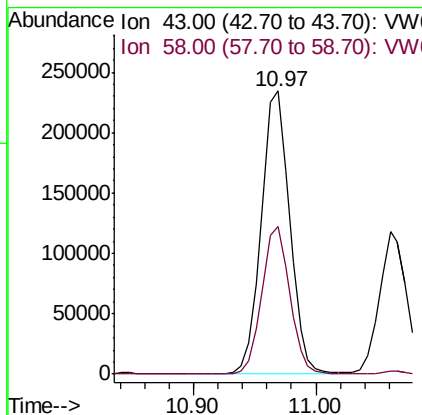
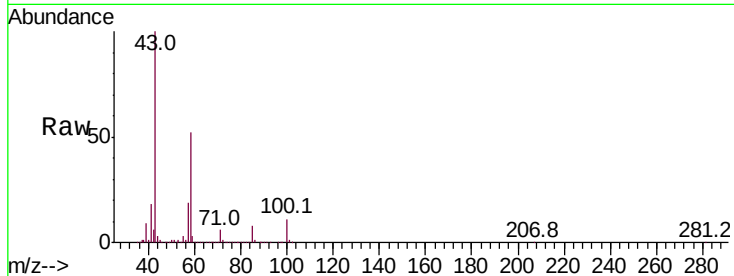




#59
2-Hexanone
Concen: 277.053 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

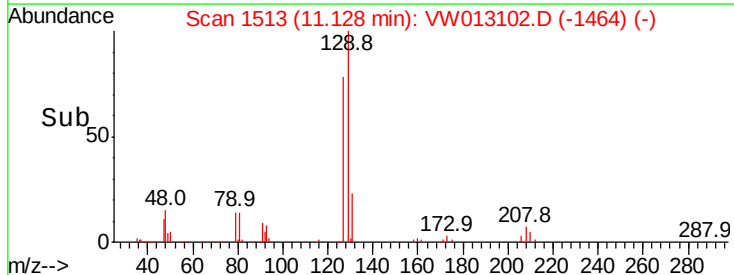
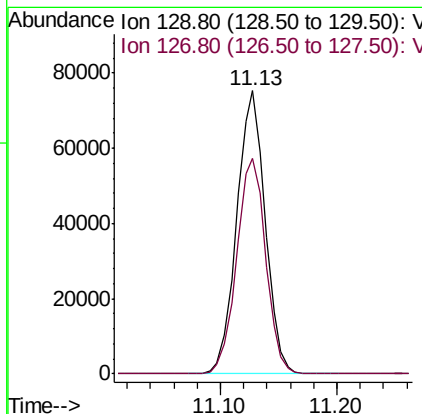
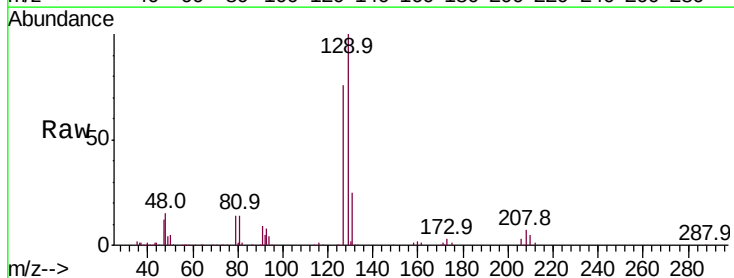
Instrument :
MSVOA_W
ClientSampleId :

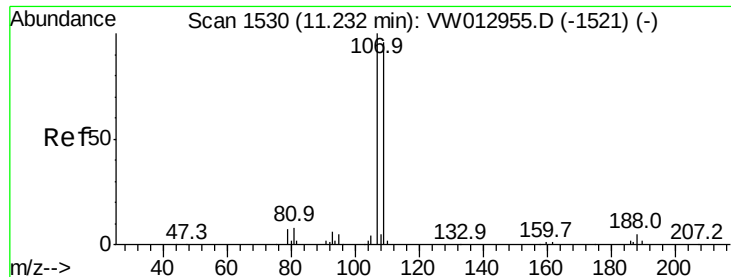
Tot Ion: 43 Resp: 383152
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 51.836 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 129 Resp: 128059
Ion Ratio Lower Upper
129 100
127 77.7 37.4 112.2

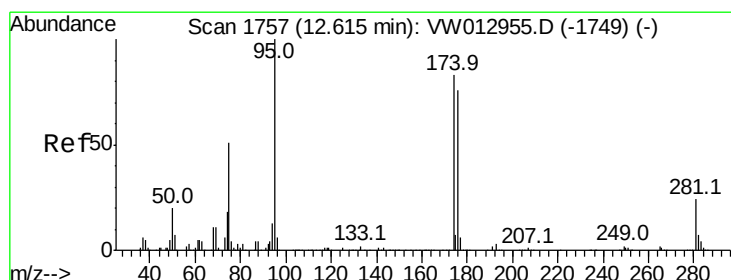
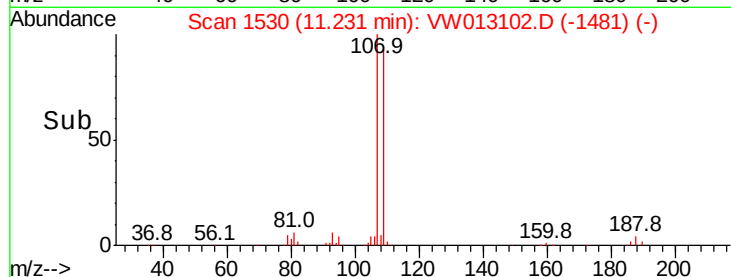
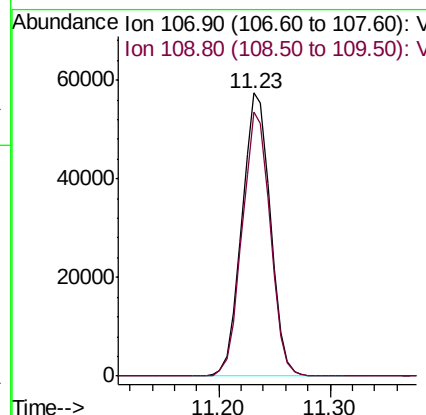
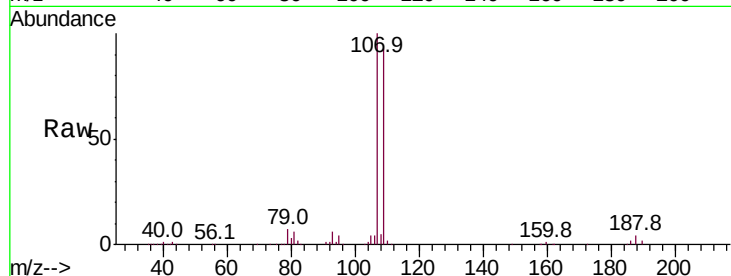




#61
 1,2-Dibromoethane
 Concen: 54.342 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

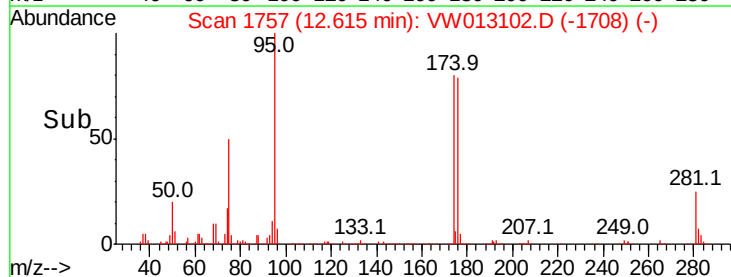
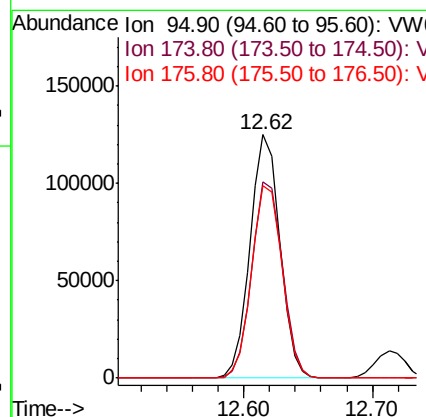
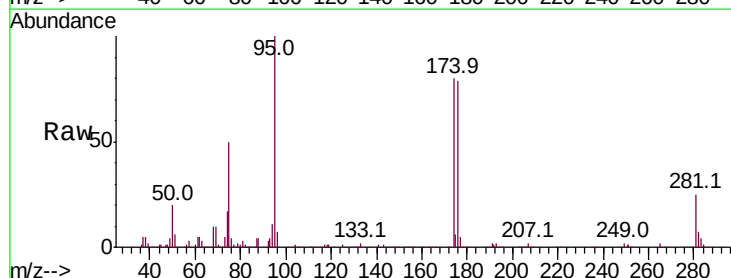
Instrument :
 MSVOA_W
 ClientSampleId :

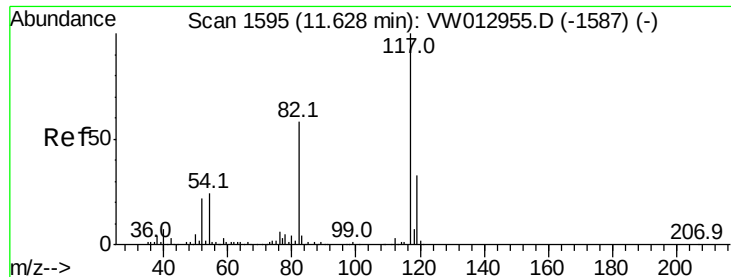
Tot Ion:107 Resp: 101298
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 55.193 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 95 Resp: 199061
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 170.4
 176 81.3 0.0 164.6

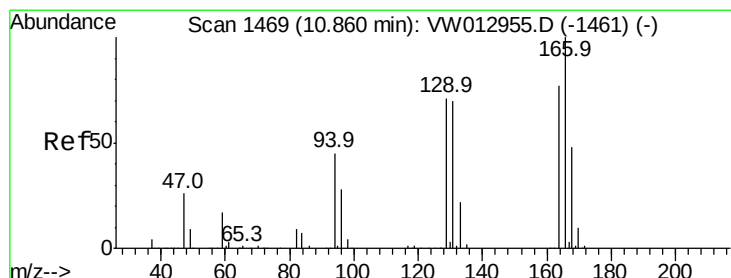
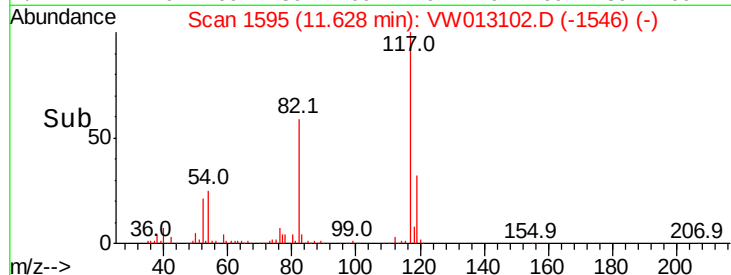
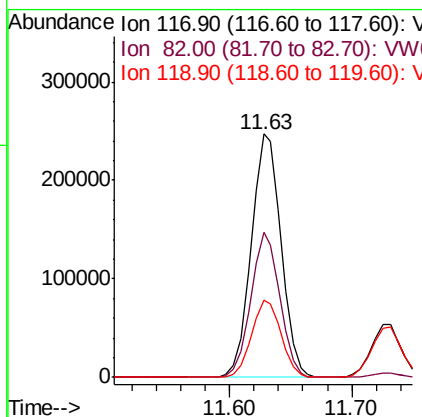
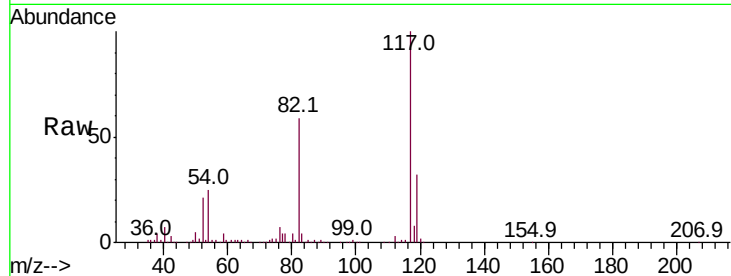




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

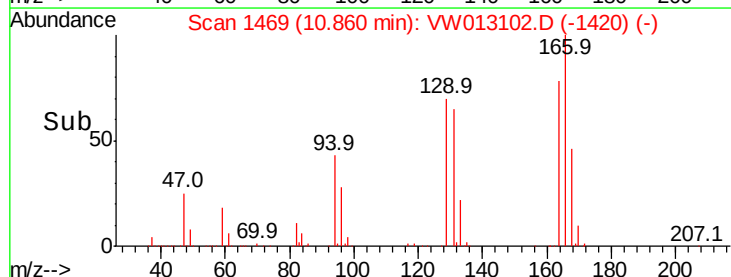
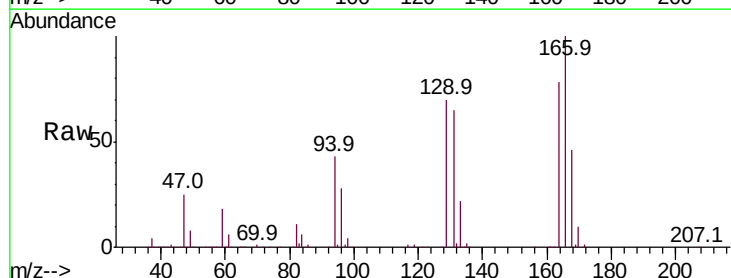
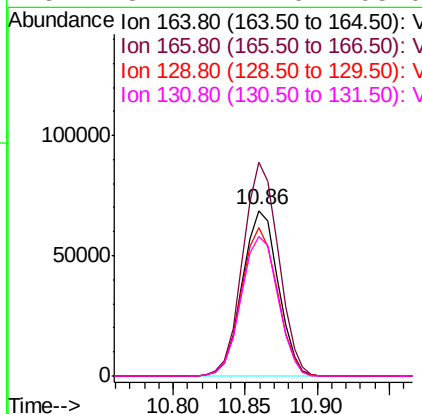
Instrument :
MSVOA_W
ClientSampleId :

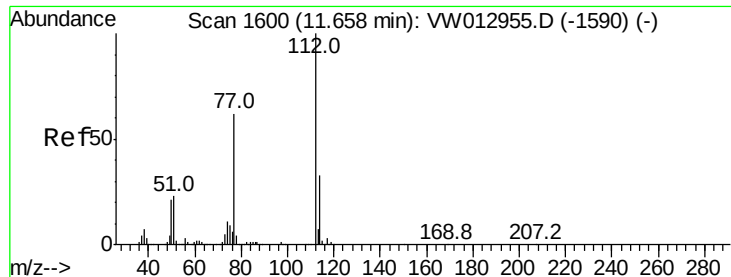
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.3	69.5
119	31.8	26.2	39.4



#64
Tetrachloroethene
Concen: 47.638 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.3	154.9
129	89.8	73.8	110.8
131	84.4	72.0	108.0

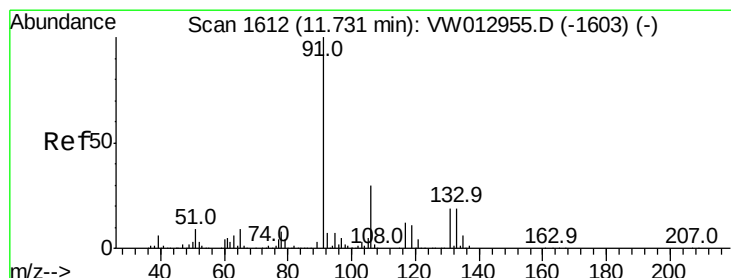
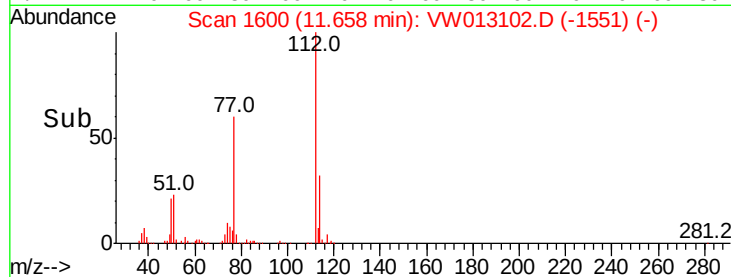
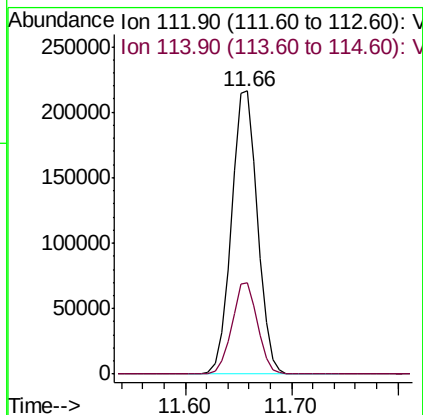
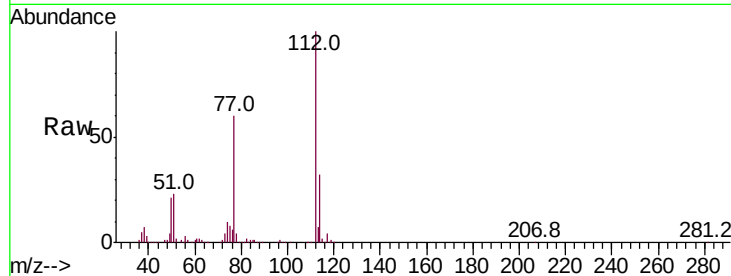




#65
Chlorobenzene
Concen: 49.689 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

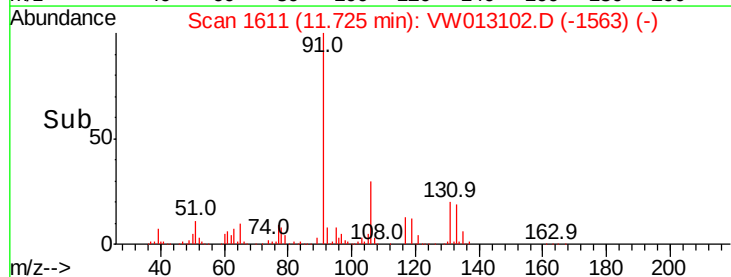
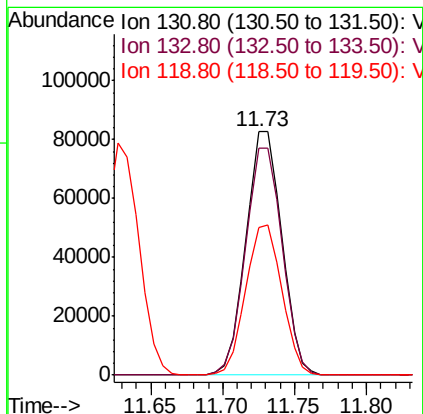
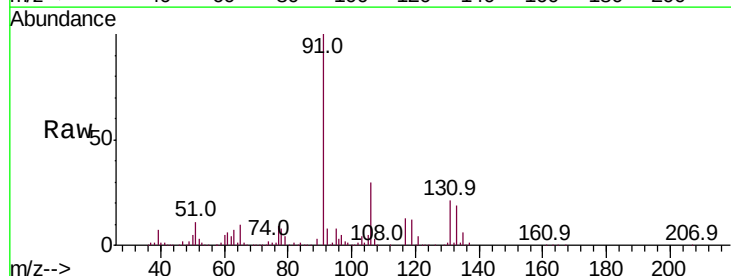
Instrument :
MSVOA_W
ClientSampleId :

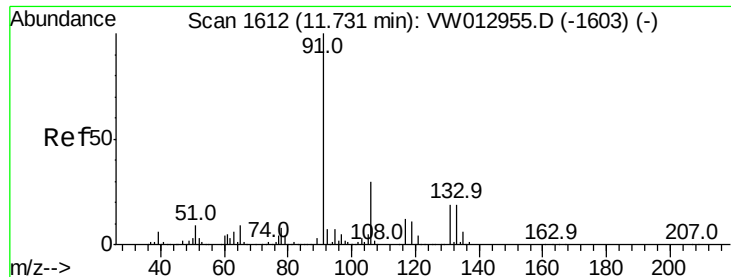
Tot Ion:112 Resp: 371018
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.856 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:131 Resp: 142661
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 62.2 30.9 92.7

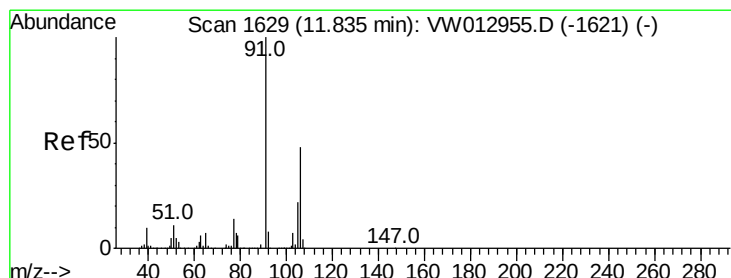
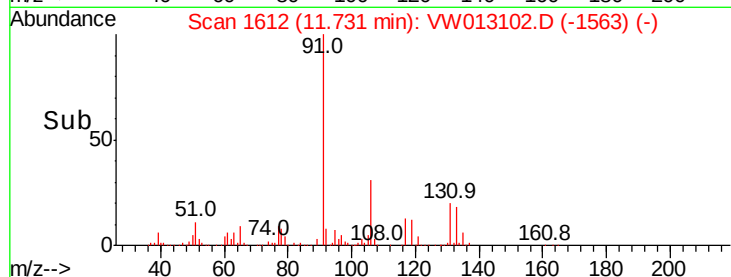
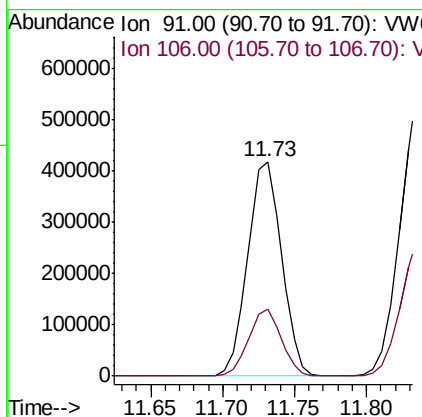
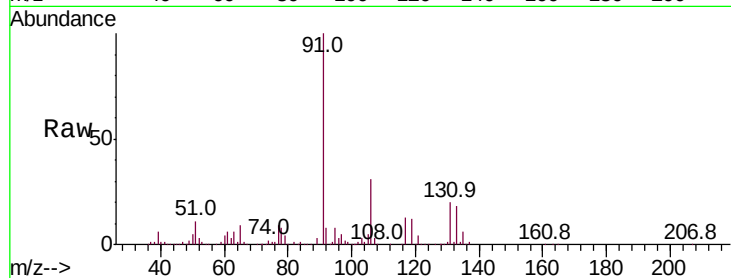




#67
Ethyl Benzene
Concen: 49.354 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

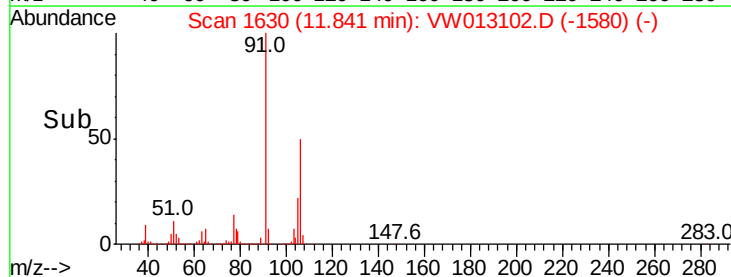
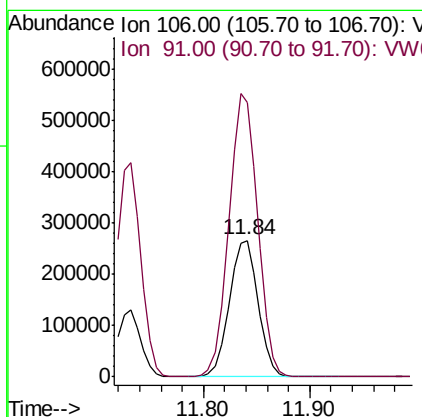
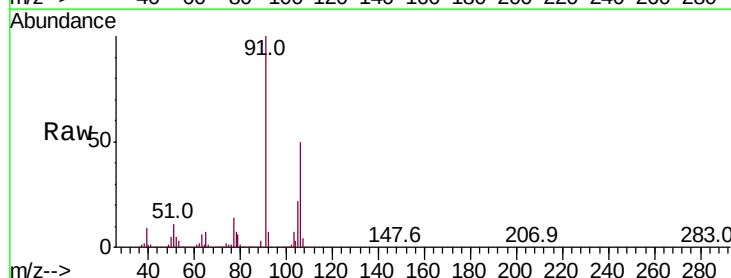
Instrument :
MSVOA_W
ClientSampled :

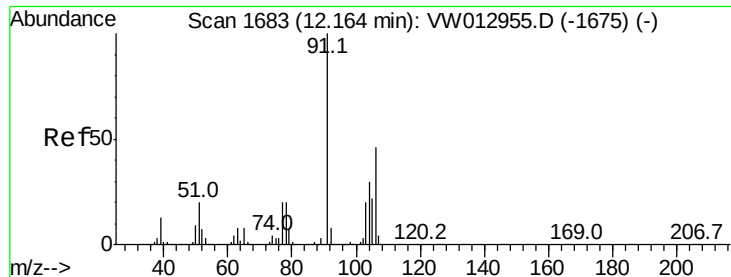
Tot Ion: 91 Resp: 680612
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5



#68
m/p-Xylenes
Concen: 99.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 106 Resp: 502334
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.8

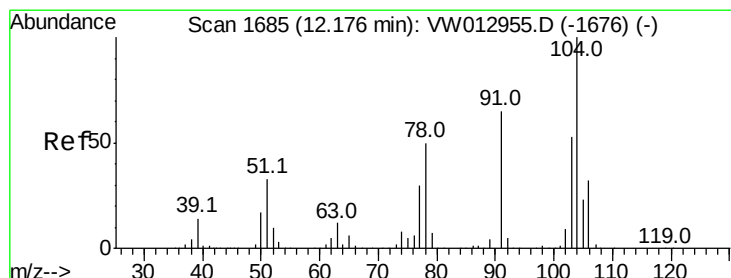
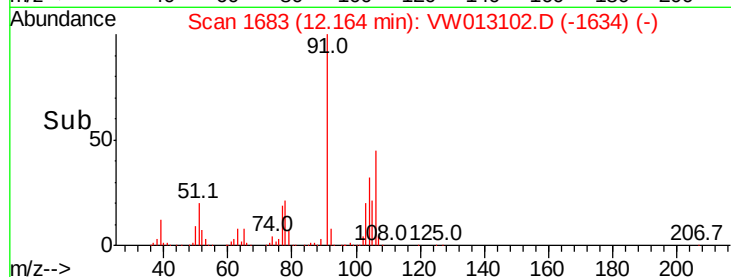
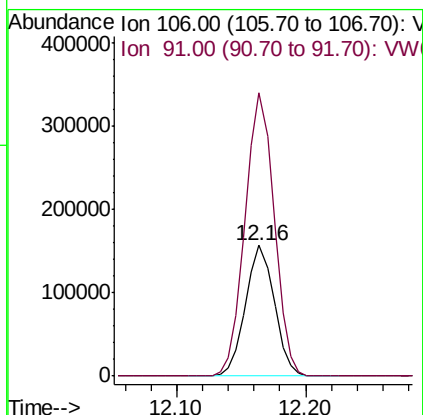
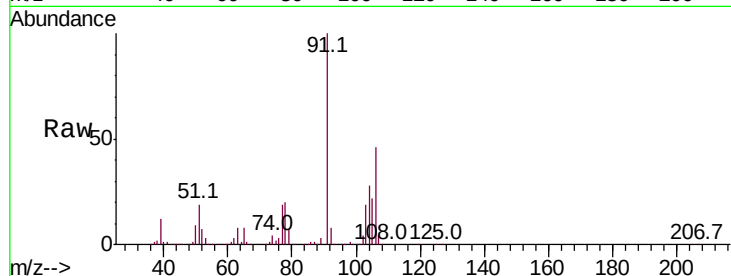




#69
o-Xylene
Concen: 51.229 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

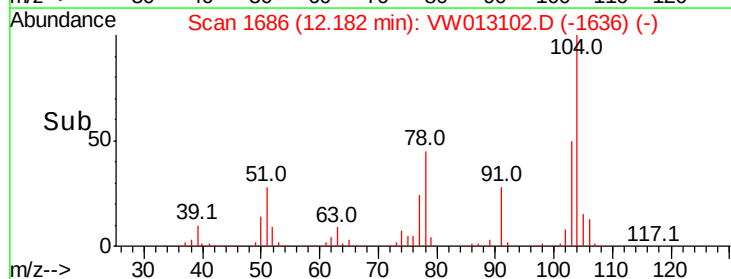
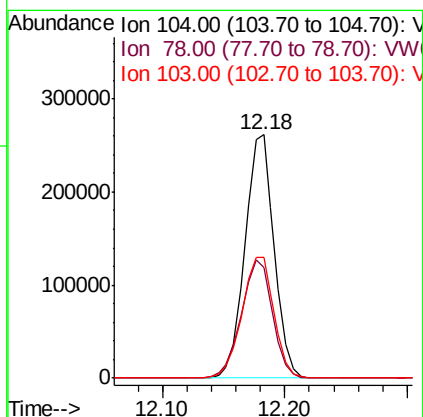
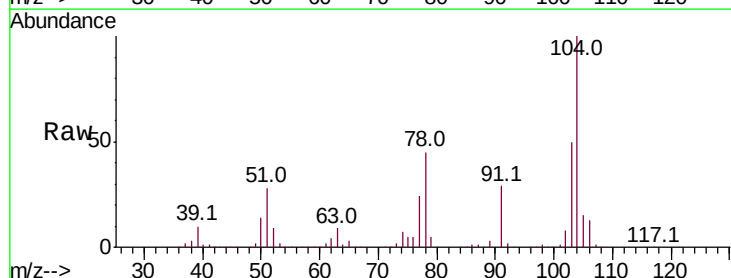
Instrument :
MSVOA_W
ClientSampleId :

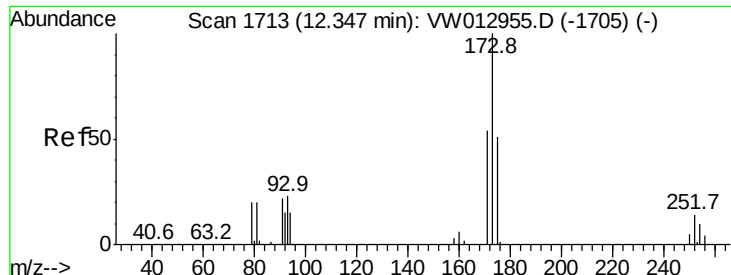
Tot Ion:106 Resp: 241957
Ion Ratio Lower Upper
106 100
91 219.6 109.7 329.0



#70
Styrene
Concen: 51.397 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:104 Resp: 431831
Ion Ratio Lower Upper
104 100
78 52.2 42.1 63.1
103 54.5 44.2 66.4





#71

Bromoform

Concen: 52.319 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

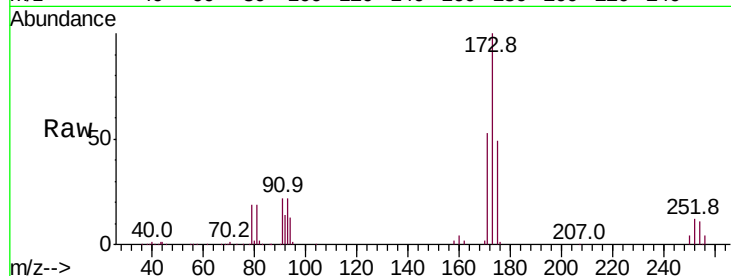
Tot Ion:173 Resp: 78637

Ion Ratio Lower Upper

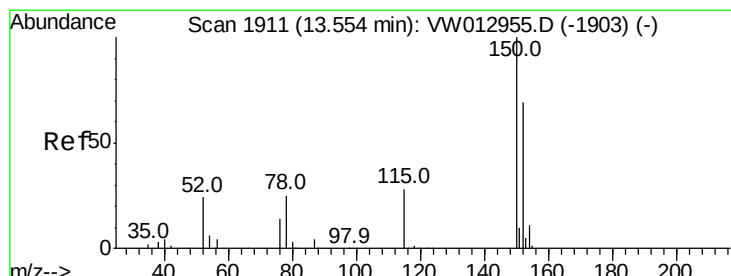
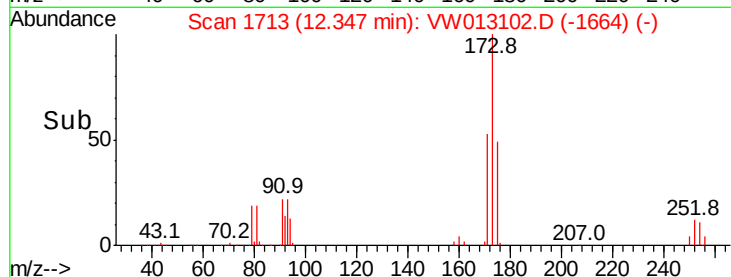
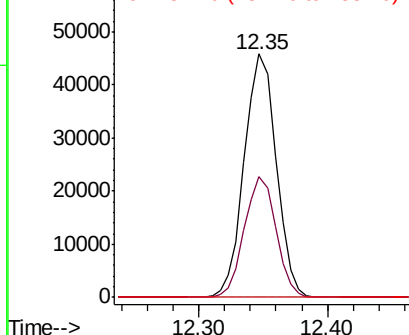
173 100

175 48.9 24.2 72.6

254 0.2 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: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

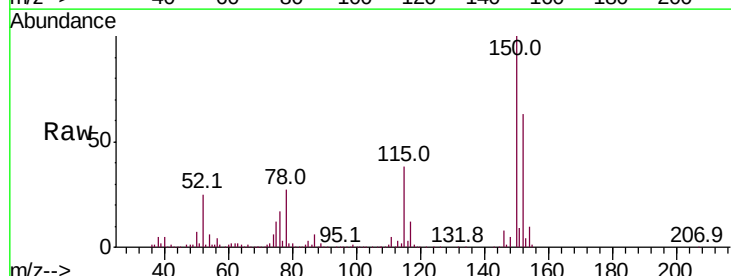
Tgt Ion:152 Resp: 214616

Ion Ratio Lower Upper

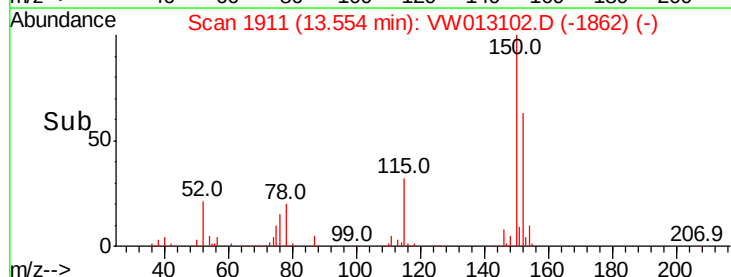
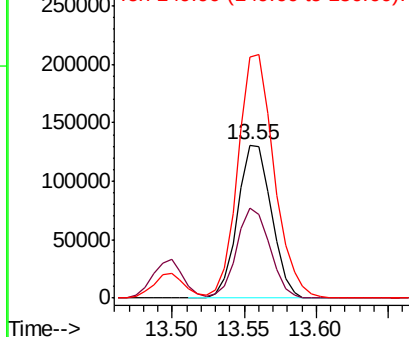
152 100

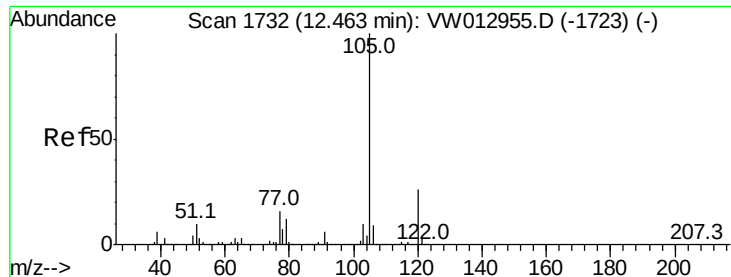
115 57.4 28.8 86.4

150 169.6 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: 47.954 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

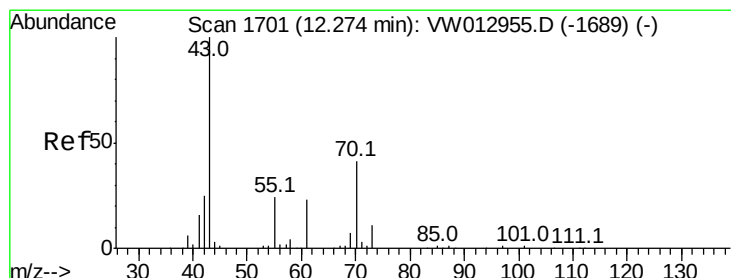
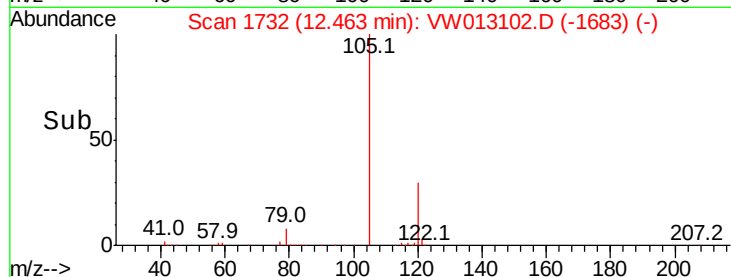
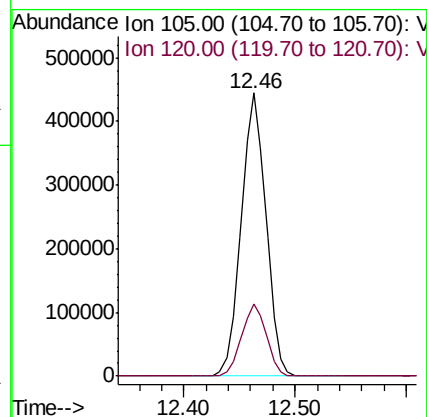
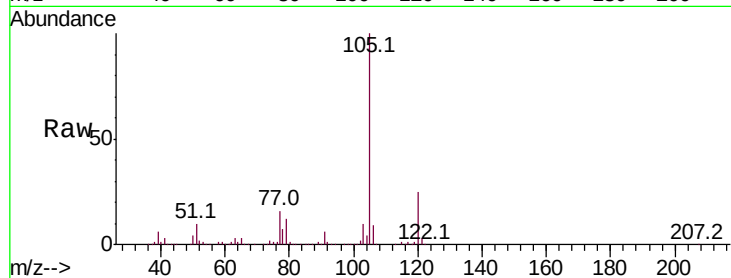
ClientSampleId :

Tot Ion:105 Resp: 682154

Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0



#74

N-ethyl acetate

Concen: 55.712 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion: 43 Resp: 203869

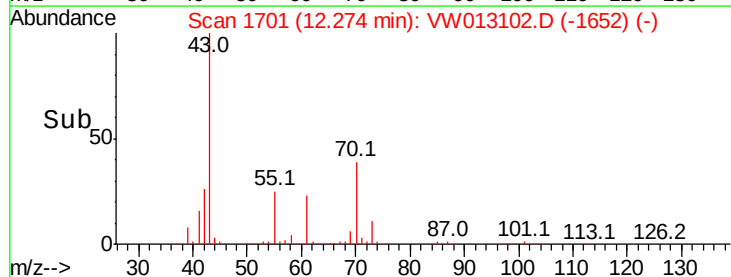
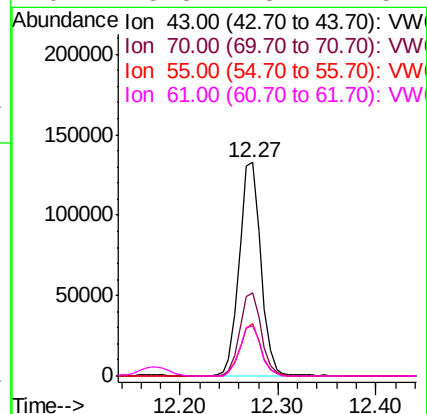
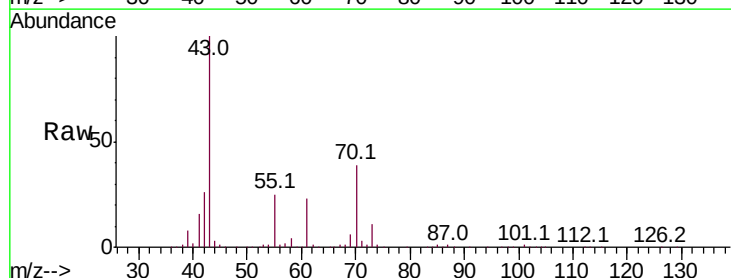
Ion Ratio Lower Upper

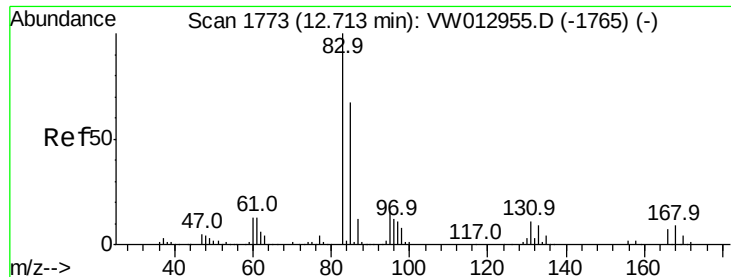
43 100

70 38.6 31.7 47.5

55 23.7 19.4 29.2

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.079 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

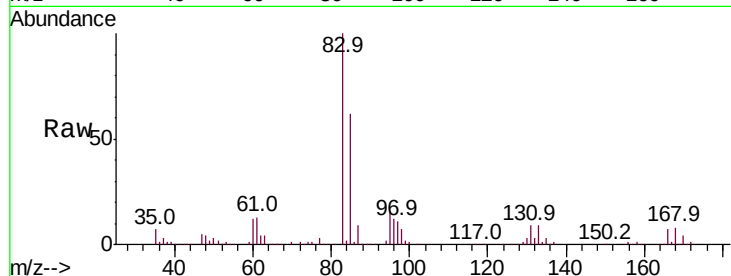
Tot Ion: 83 Resp: 132617

Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.1

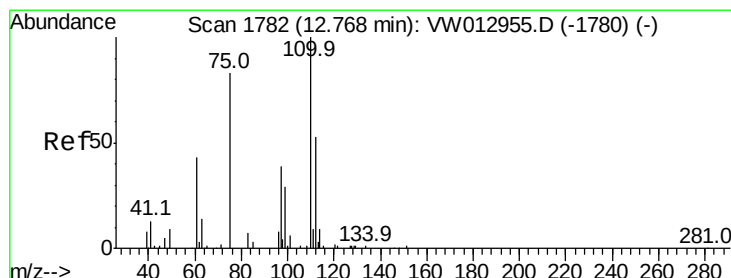
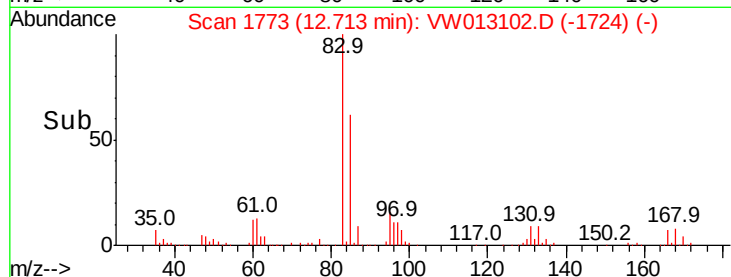
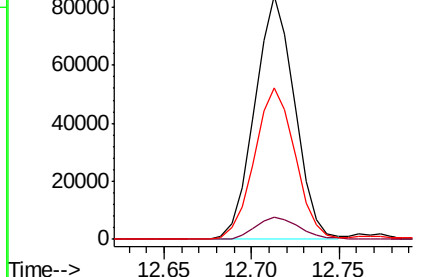
85 63.9 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.087 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013102.D

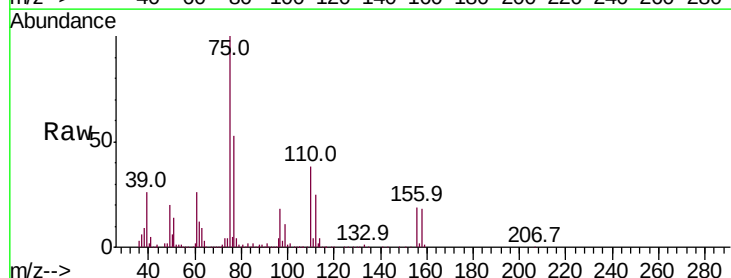
Acq: 17 Sep 2019 20:21

Tgt Ion: 75 Resp: 173112

Ion Ratio Lower Upper

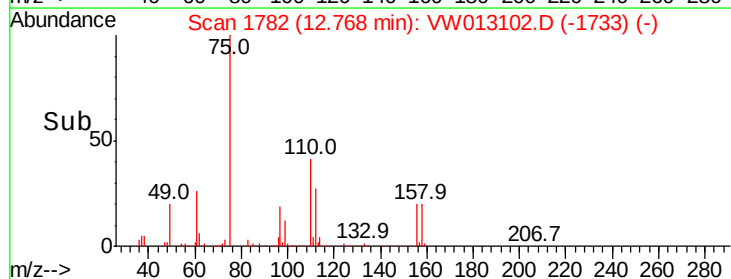
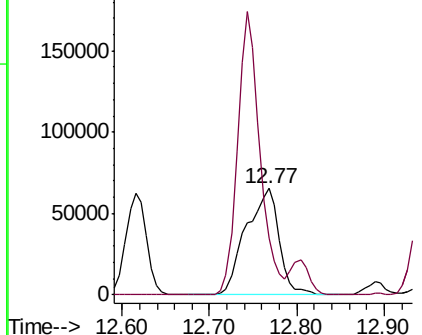
75 100

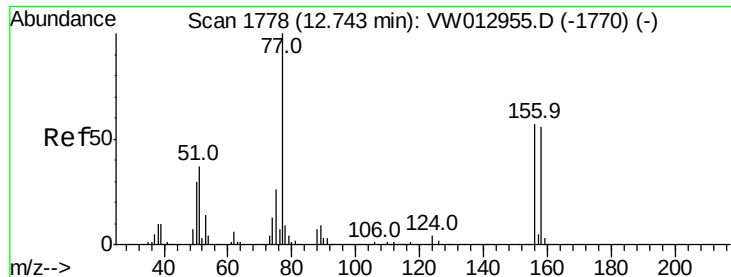
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.638 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

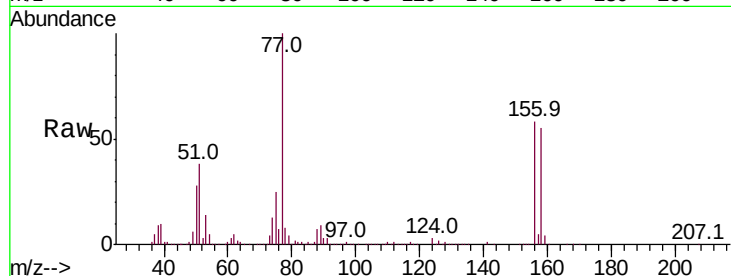
Tot Ion:156 Resp: 162673

Ion Ratio Lower Upper

156 100

77 192.1 95.2 285.6

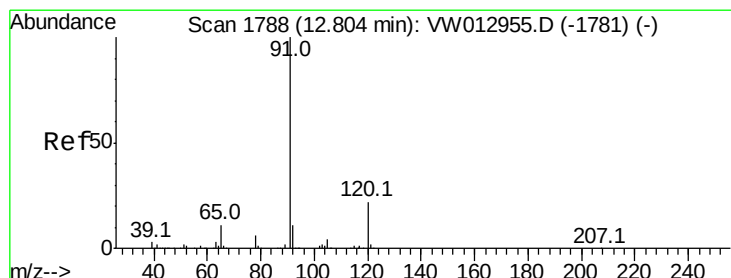
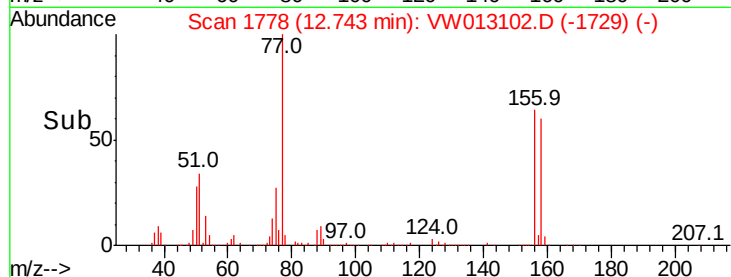
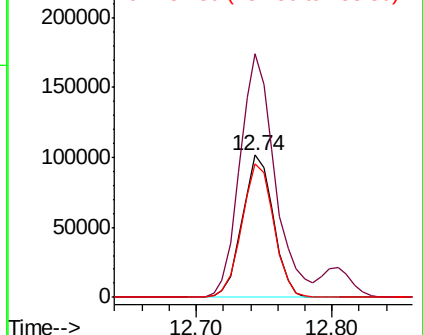
158 96.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.208 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013102.D

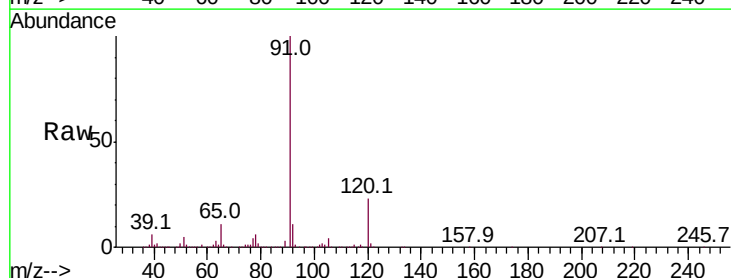
Acq: 17 Sep 2019 20:21

Tgt Ion: 91 Resp: 806679

Ion Ratio Lower Upper

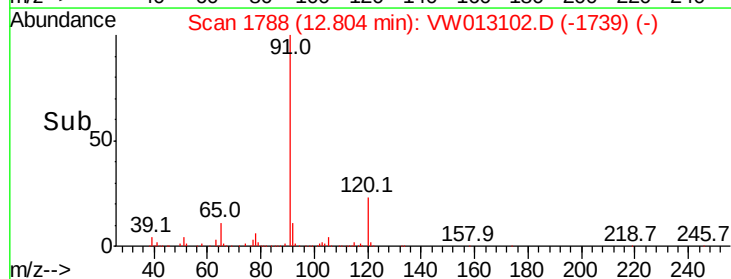
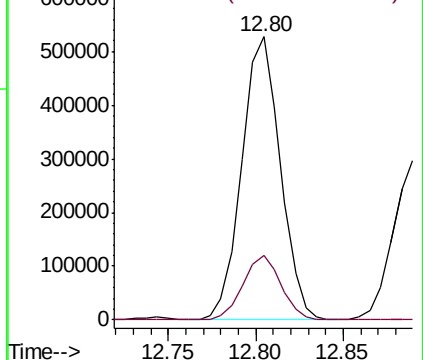
91 100

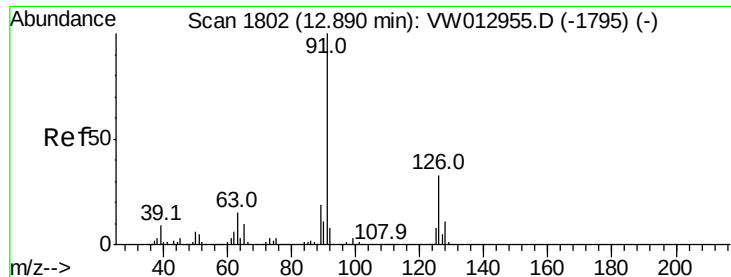
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.245 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

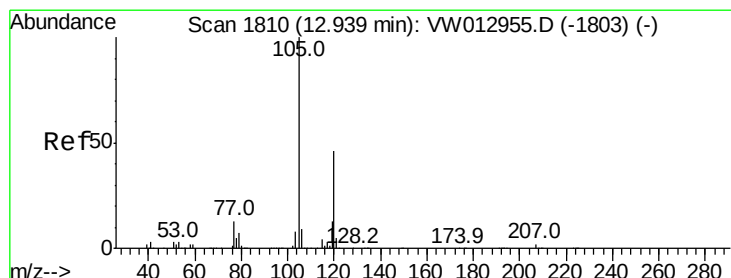
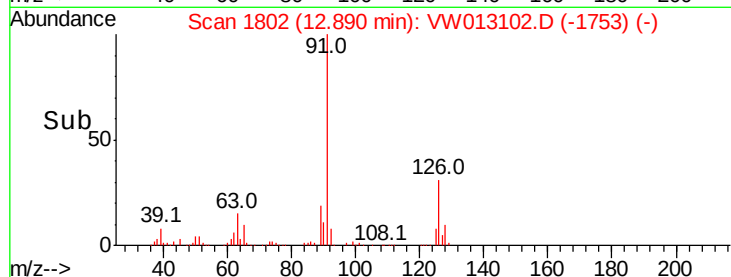
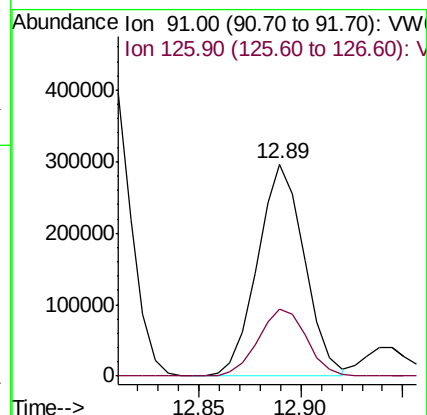
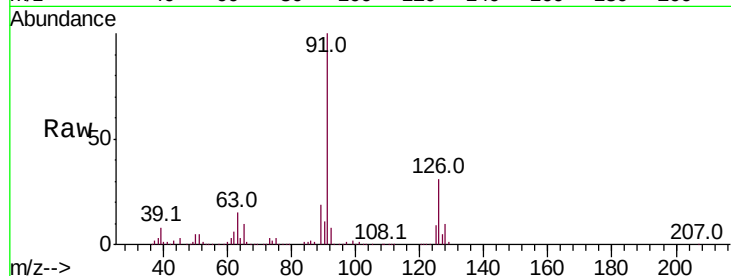
ClientSampleId :

Tot Ion: 91 Resp: 473703

Ion Ratio Lower Upper

91 100

126 32.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 48.451 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013102.D

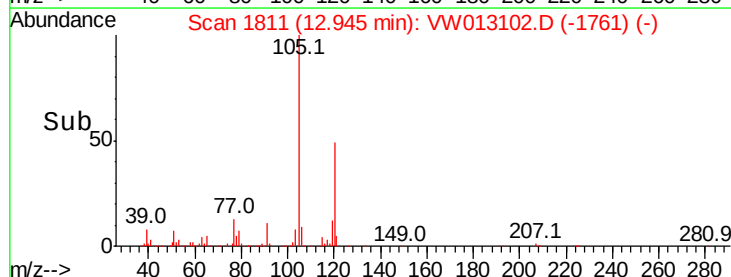
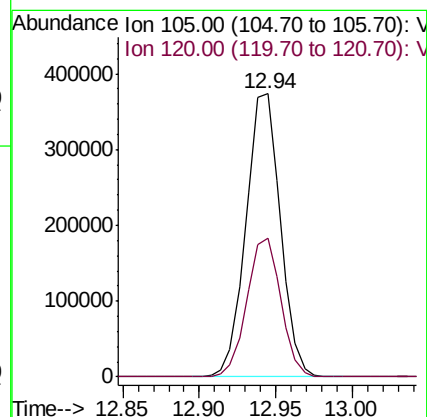
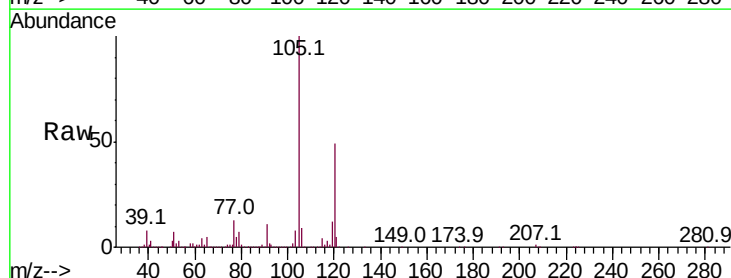
Acq: 17 Sep 2019 20:21

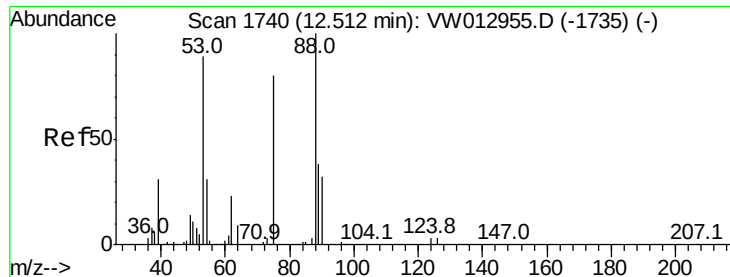
Tgt Ion:105 Resp: 583092

Ion Ratio Lower Upper

105 100

120 48.5 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.834 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

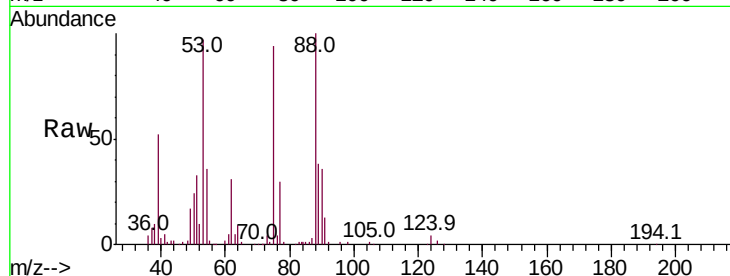
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 75 Resp: 41297

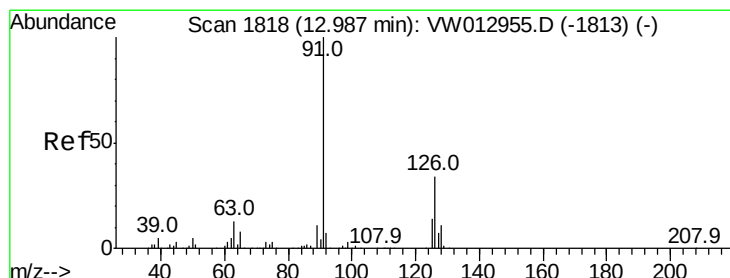
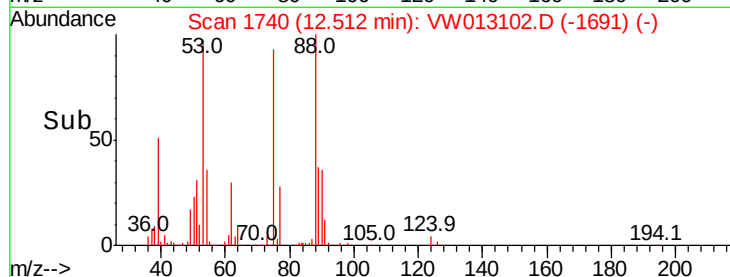
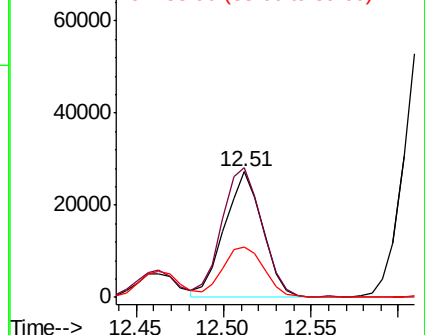
Ion	Ratio	Lower	Upper
75	100		
53	108.4	85.6	128.4
89	43.7	37.2	55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 49.089 ug/l

RT: 12.99 min Scan# 1818

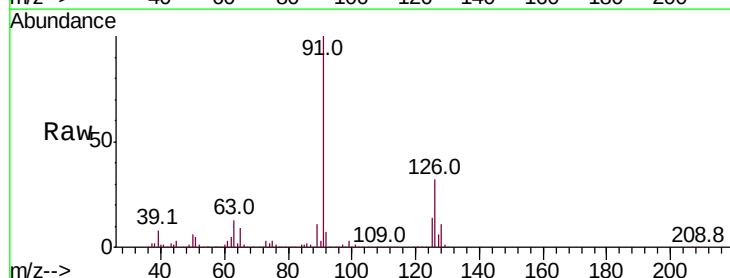
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

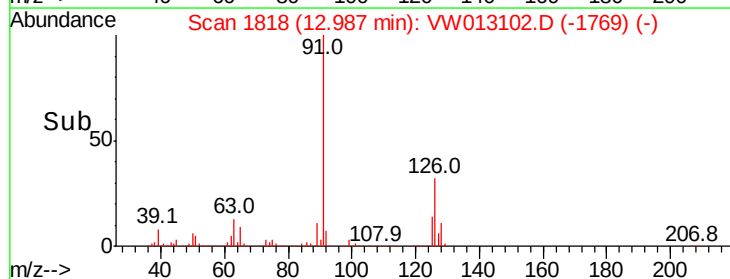
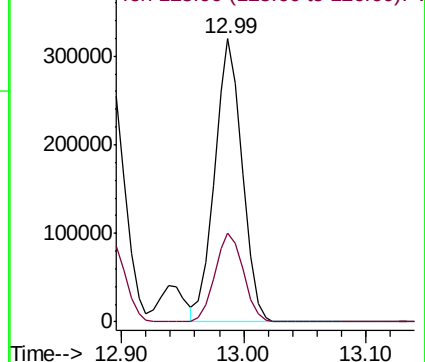
Tgt Ion: 91 Resp: 498225

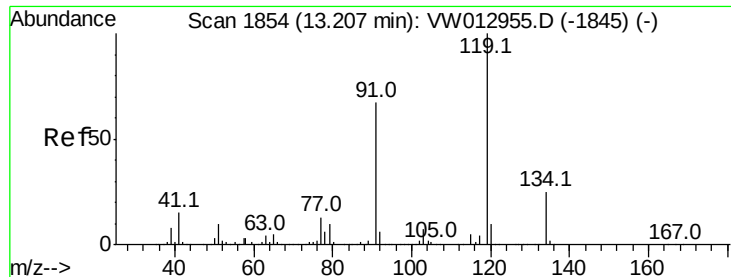
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

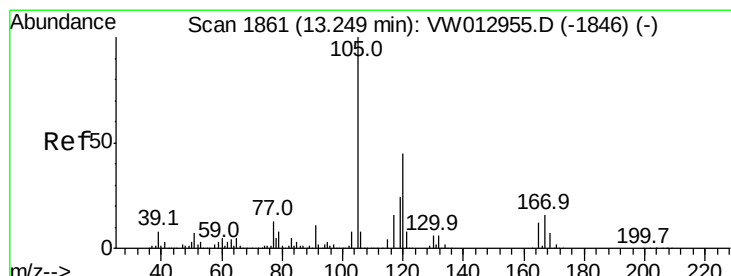
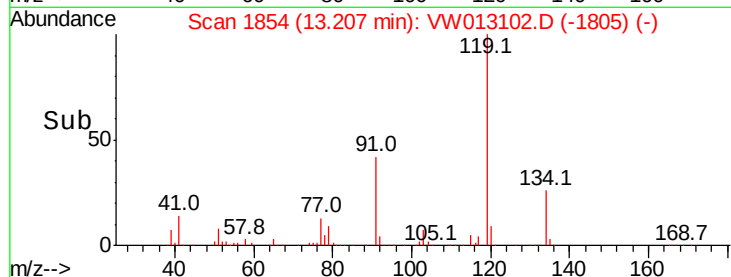
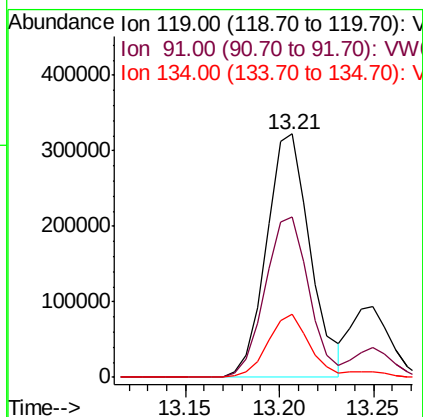
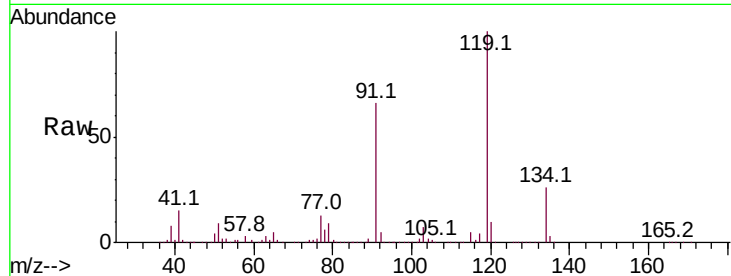




#83
tert-Butylbenzene
Concen: 48.247 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

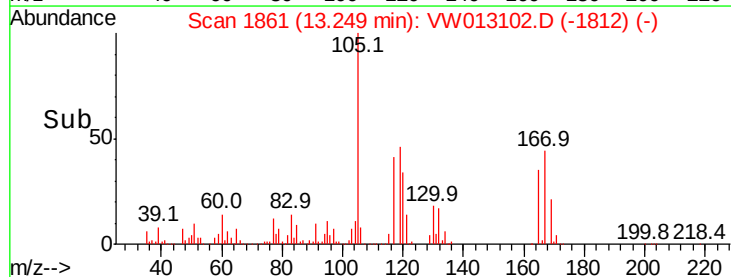
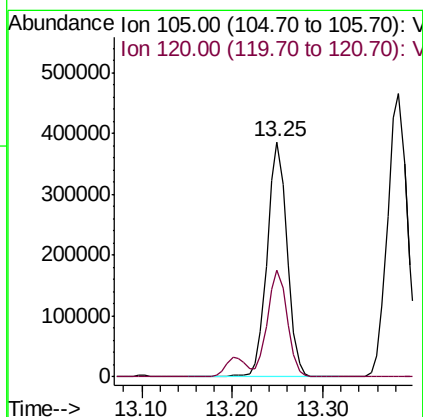
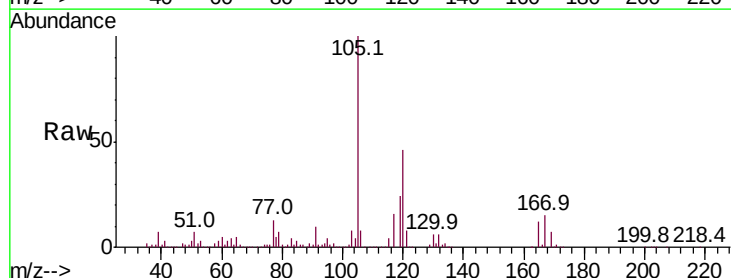
Instrument :
MSVOA_W
ClientSampleId :

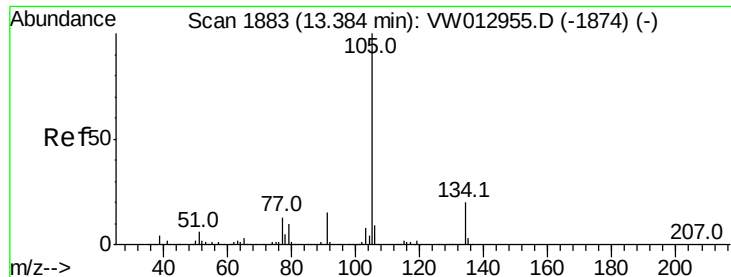
Tot Ion:119 Resp: 519356
Ion Ratio Lower Upper
119 100
91 66.2 32.6 98.0
134 25.0 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 49.429 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:105 Resp: 587821
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.7

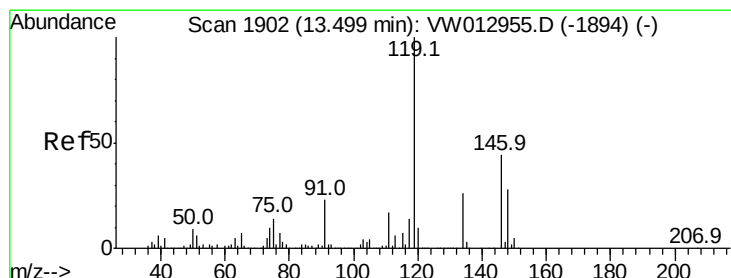
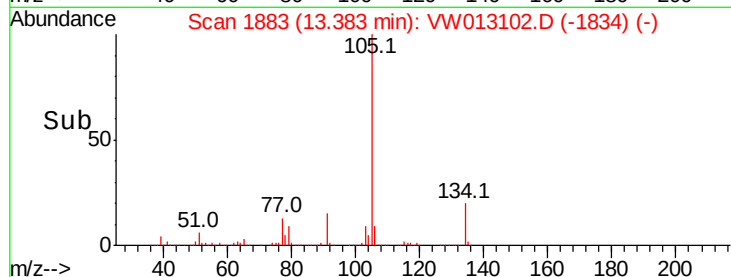
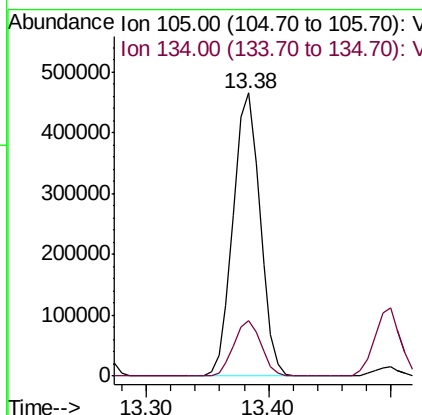
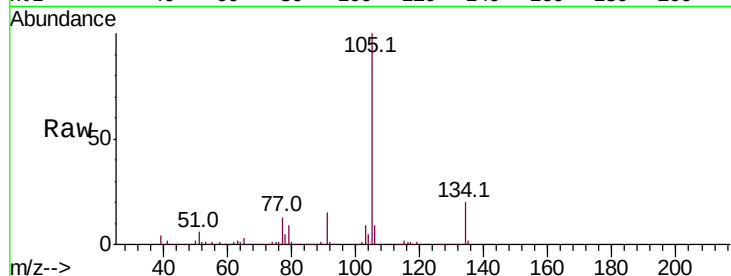




#85
 sec-Butylbenzene
 Concen: 48.467 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

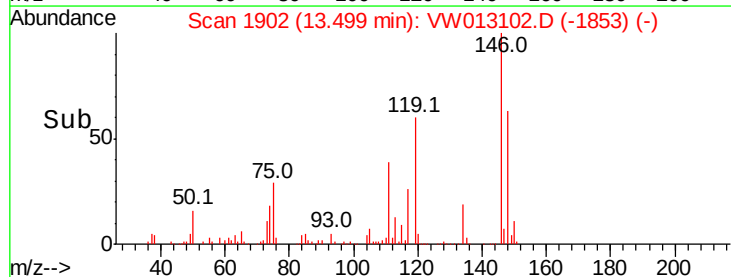
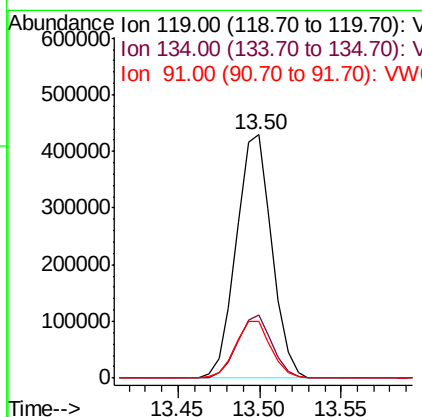
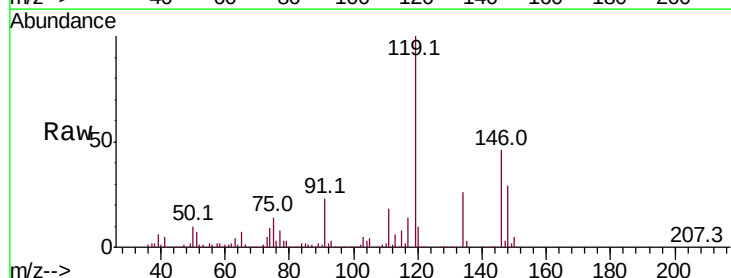
Instrument :
 MSVOA_W
 ClientSampled :

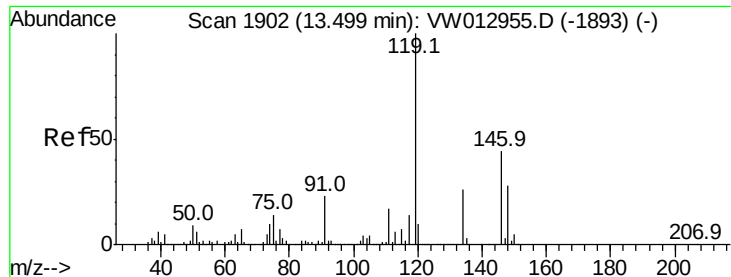
Tot Ion:105 Resp: 710817
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 48.348 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion:119 Resp: 651011
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 23.4 11.8 35.4

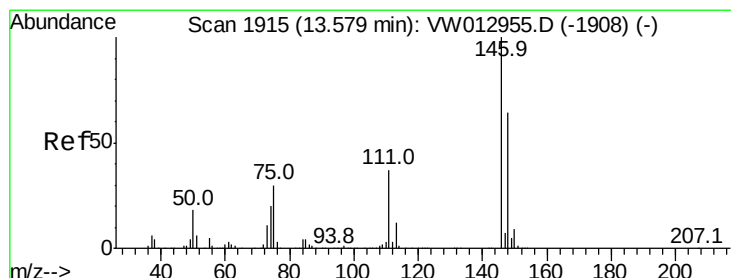
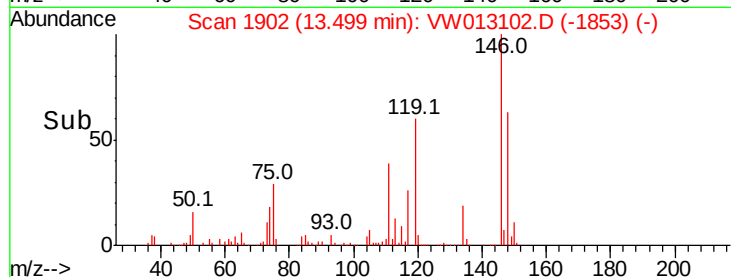
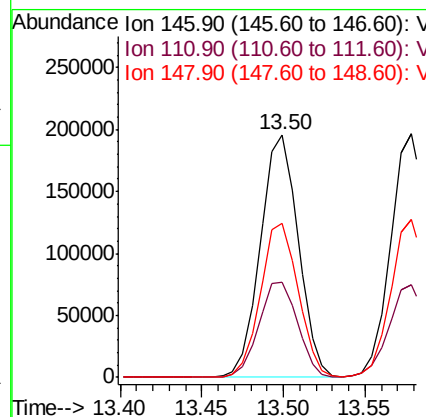
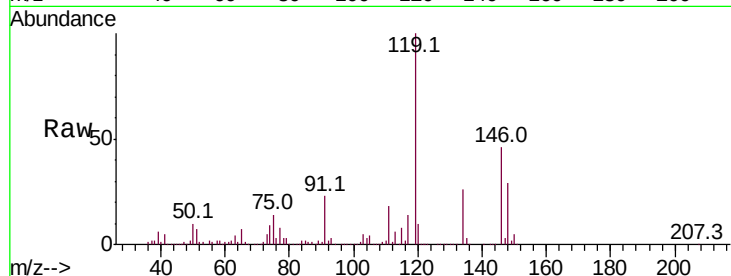




#87
 1,3-Dichlorobenzene
 Concen: 48.759 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

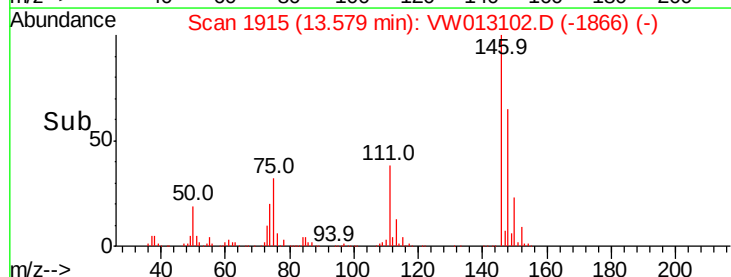
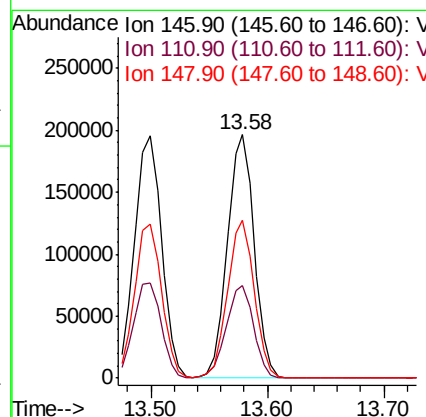
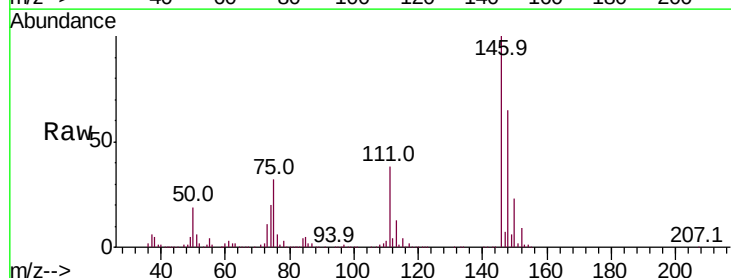
Instrument :
 MSVOA_W
 ClientSampleId :

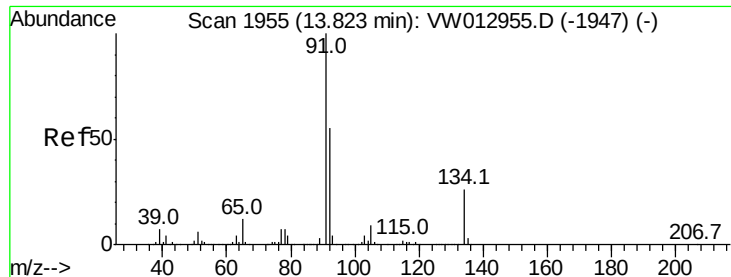
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	63.4	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 48.981 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	64.7	31.9	95.5

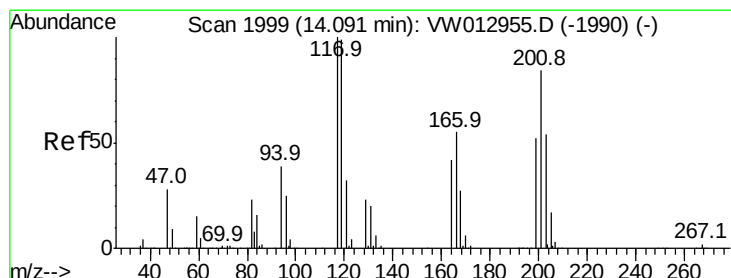
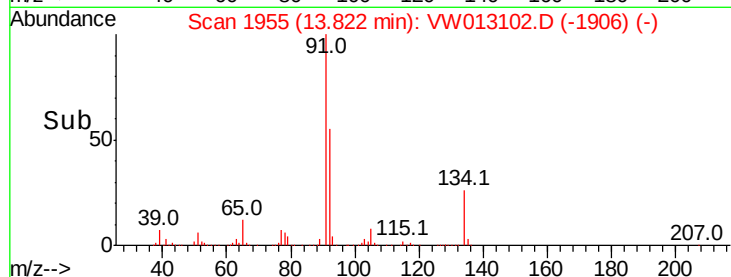
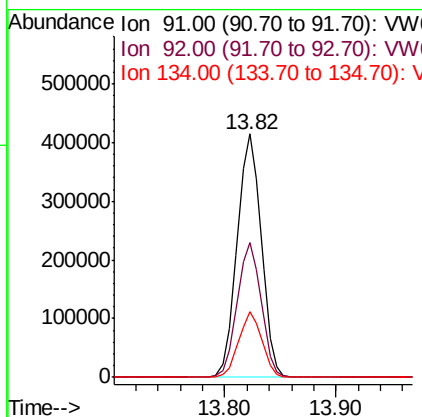
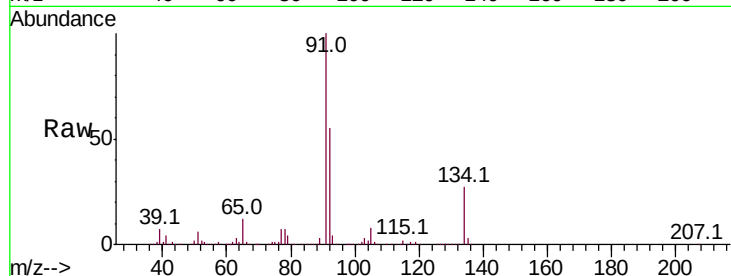




#89
n-Butylbenzene
Concen: 48.893 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

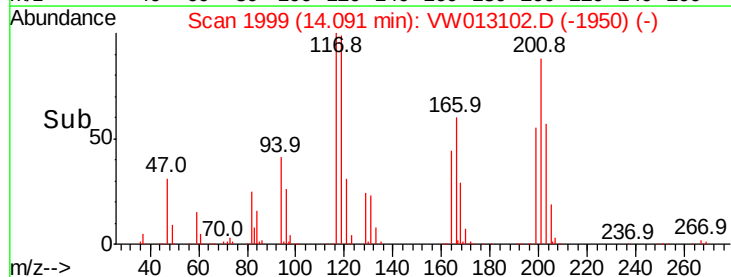
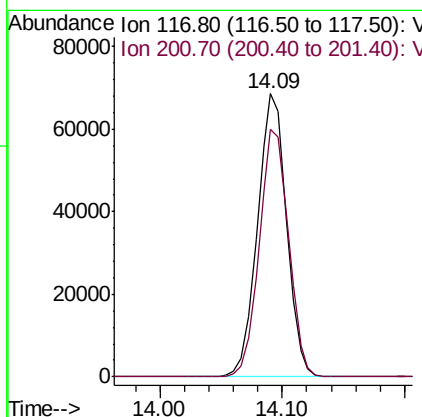
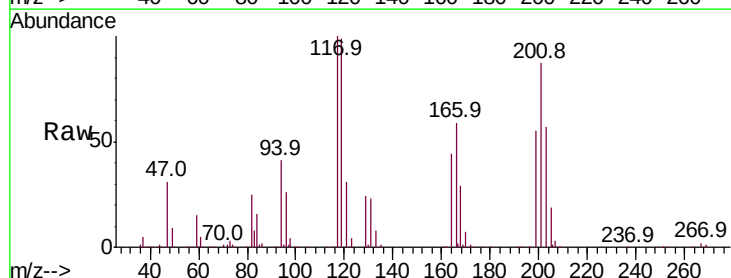
Instrument :
MSVOA_W
ClientSampled :

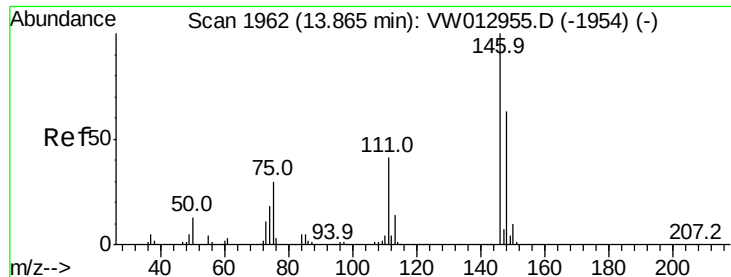
Tot Ion: 91 Resp: 620880
Ion Ratio Lower Upper
91 100
92 55.1 27.2 81.5
134 25.9 13.1 39.1



#90
Hexachloroethane
Concen: 47.027 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 117 Resp: 113476
Ion Ratio Lower Upper
117 100
201 88.2 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 50.137 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

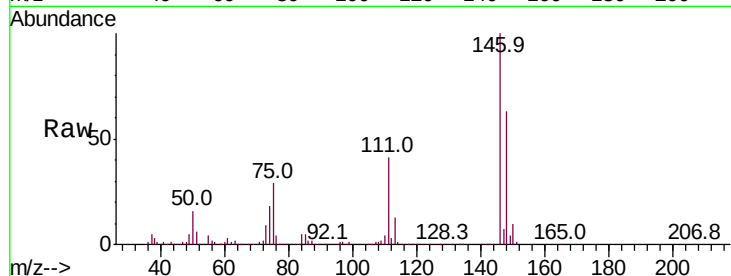
Tot Ion:146 Resp: 286033

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.5

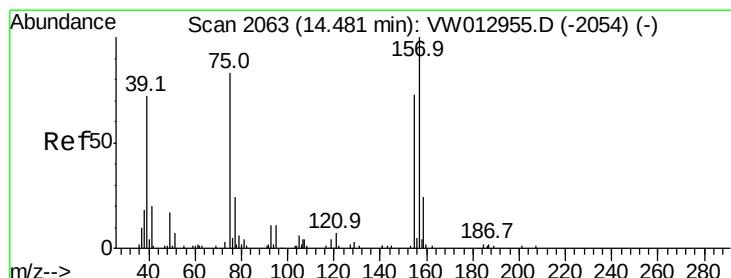
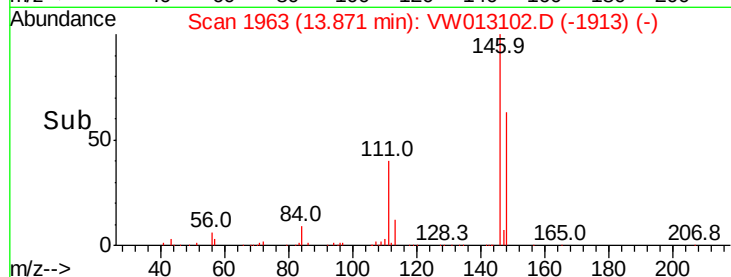
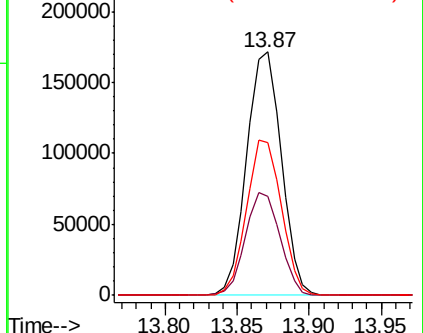
148 63.9 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.531 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

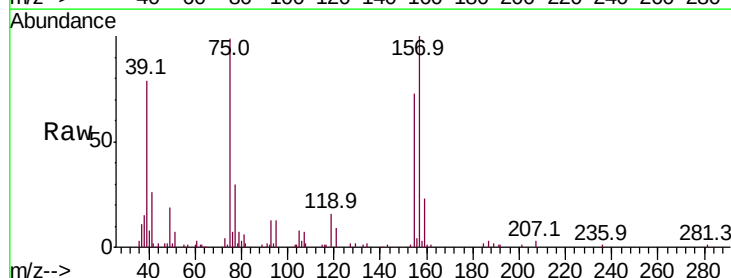
Tgt Ion: 75 Resp: 22652

Ion Ratio Lower Upper

75 100

155 82.9 43.3 129.9

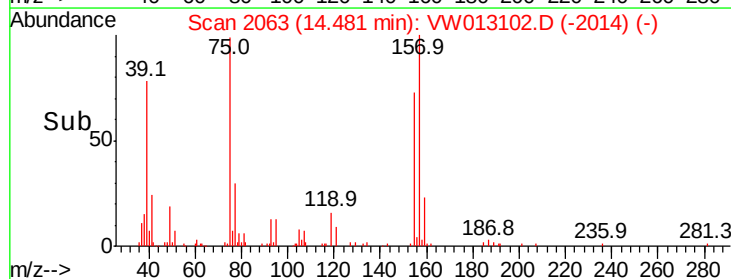
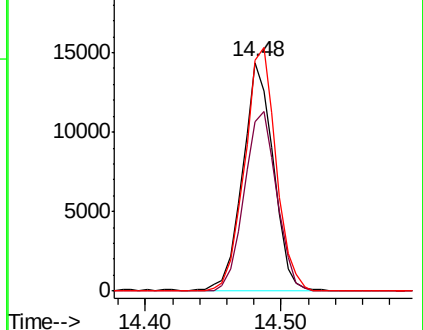
157 109.2 54.7 164.1

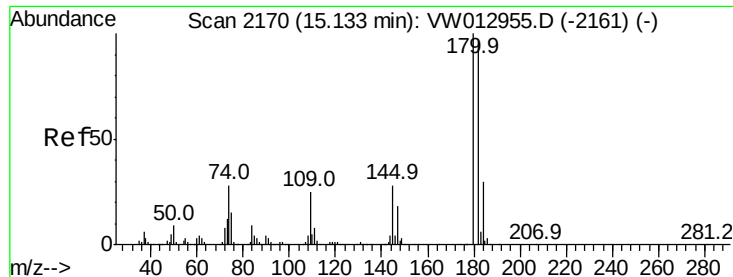


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

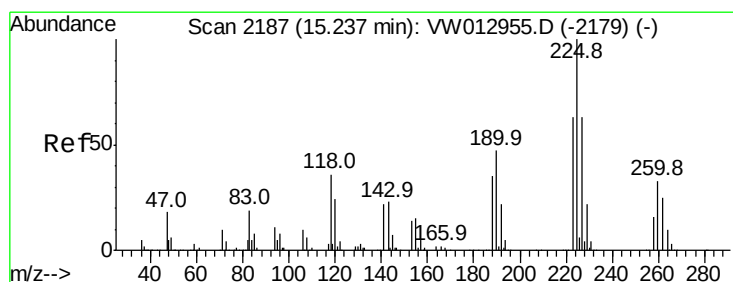
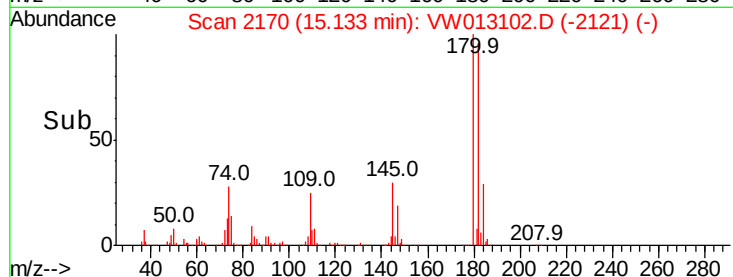
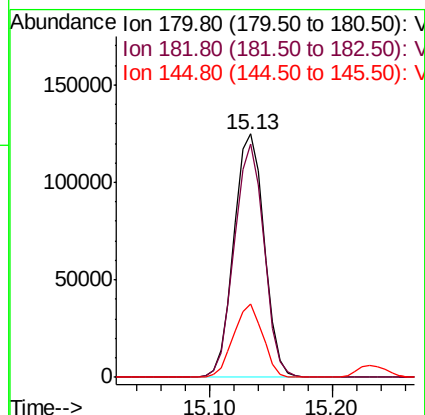
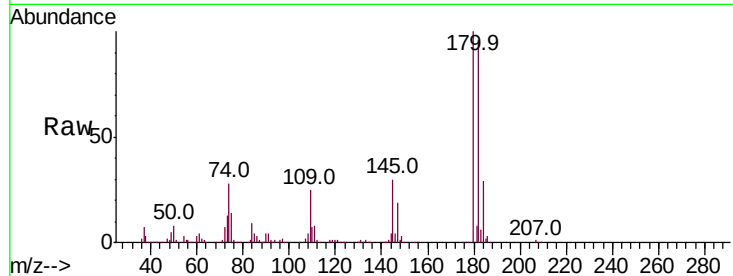




#93
 1,2,4-Trichlorobenzene
 Concen: 52.394 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

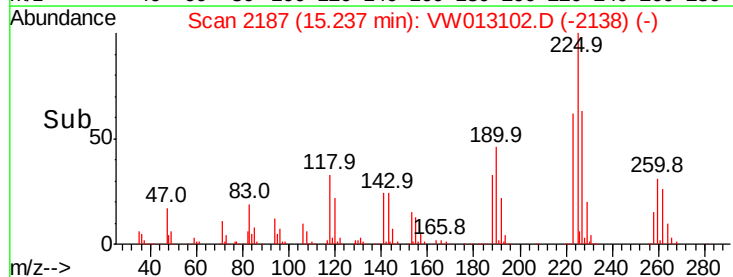
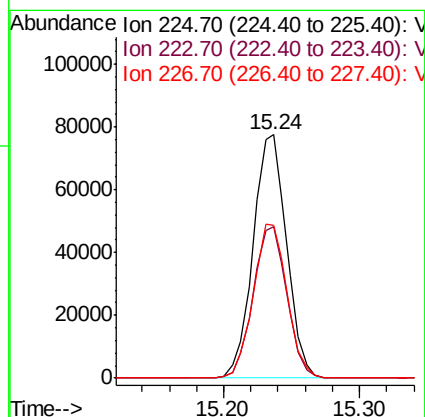
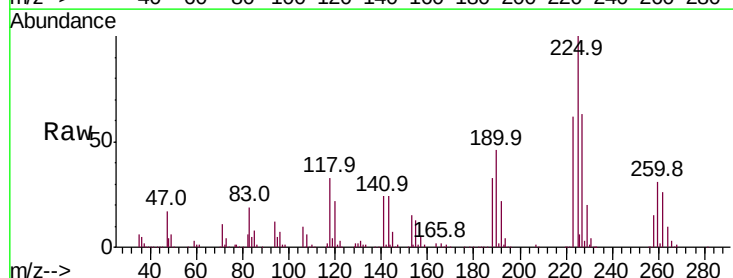
Instrument :
 MSVOA_W
 ClientSampleId :

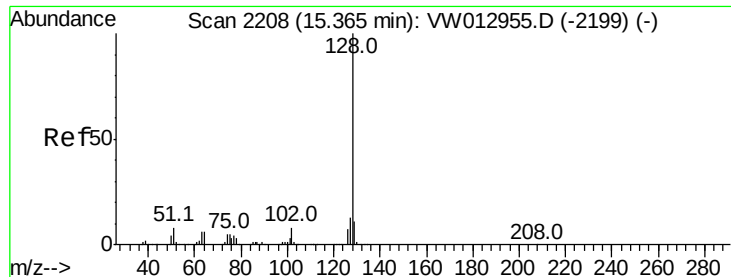
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.4	142.2	
145	28.9	14.9	44.7	



#94
 Hexachlorobutadiene
 Concen: 46.400 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.8	95.3	
227	64.1	31.3	93.8	

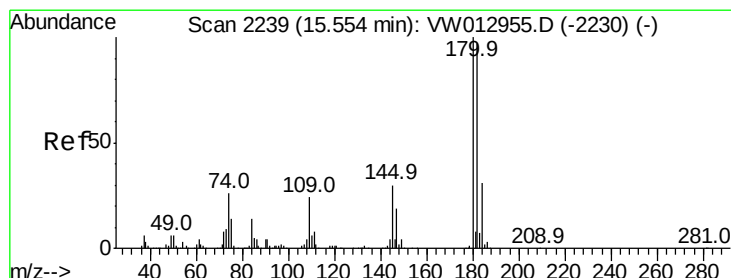
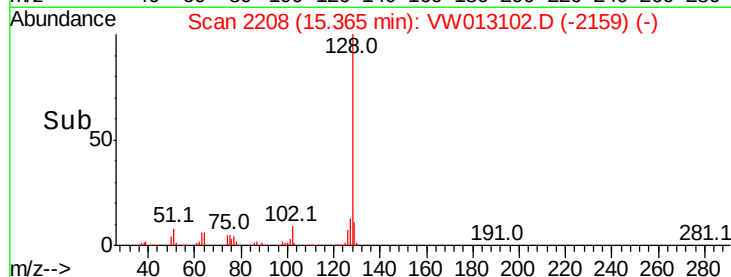
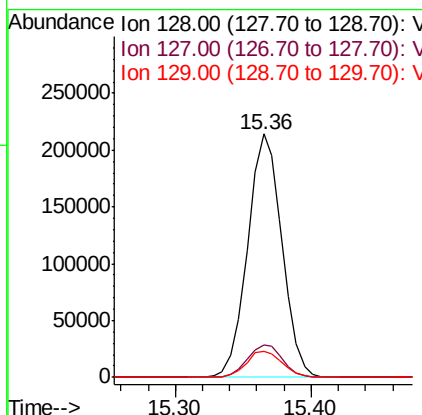
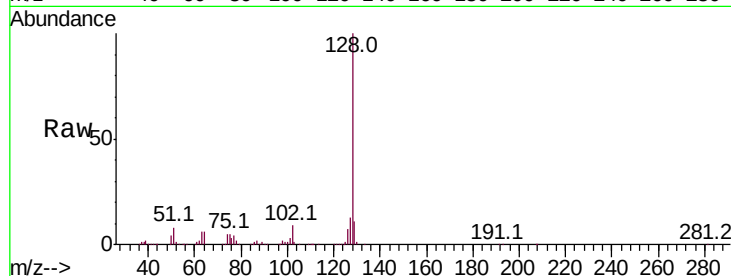




#95
Naphthalene
Concen: 55.511 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 377374
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.070 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:180 Resp: 183680
Ion Ratio Lower Upper
180 100
182 96.6 47.6 142.8
145 30.6 15.4 46.2

