

Data File : VW013106.D
Acq On : 18 Sep 2019 12:09
Operator : SY/VA
Sample : VW0918SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

Quant Time: Sep 19 07:51:59 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	358514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221623	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136744	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	
35) Dibromofluoromethane	7.88	113	133807	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.32	98	548902	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	190190	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	32128	20.797	ug/l	95
3) Chloromethane	2.21	50	37154	18.475	ug/l	94
4) Vinyl Chloride	2.35	62	51266	19.978	ug/l	99
5) Bromomethane	2.77	94	31167	19.888	ug/l	97
6) Chloroethane	2.90	64	29936	19.021	ug/l	94
7) Trichlorofluoromethane	3.24	101	29988	16.711	ug/l	94
8) Diethyl Ether	3.68	74	27134	19.365	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55784	20.496	ug/l	96
10) Methyl Iodide	4.26	142	73356	21.536	ug/l	95
11) Tert butyl alcohol	5.20	59	15885	54.302	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	51814	20.938	ug/l	97
13) Acrolein	3.89	56	20298	78.344	ug/l	99
14) Allyl chloride	4.66	41	88200	18.774	ug/l	93
15) Acrylonitrile	5.37	53	63564	88.820	ug/l	99
16) Acetone	4.13	43	56119	63.527	ug/l #	86
17) Carbon Disulfide	4.37	76	99470	20.170	ug/l	99
18) Methyl Acetate	4.67	43	33201	17.600	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	88633	18.144	ug/l	92
20) Methylene Chloride	4.90	84	59353	18.969	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	55279	20.856	ug/l	99
22) Diisopropyl ether	6.31	45	184560	18.910	ug/l	98
23) Vinyl Acetate	6.25	43	509835	87.218	ug/l	95
24) 1,1-Dichloroethane	6.21	63	107203	19.051	ug/l	99
25) 2-Butanone	7.17	43	83837	79.628	ug/l	92
26) 2,2-Dichloropropane	7.16	77	69394	16.529	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	66468	20.947	ug/l	92
28) Bromochloromethane	7.51	49	42242	17.835	ug/l	93
29) Tetrahydrofuran	7.53	42	50959	84.946	ug/l	99
30) Chloroform	7.67	83	109627	19.173	ug/l	98
31) Cyclohexane	7.95	56	94846	19.894	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	86167	18.300	ug/l	96
36) 1,1-Dichloropropene	8.08	75	81537	19.917	ug/l	96
37) Ethyl Acetate	7.25	43	35132	16.168	ug/l #	94
38) Carbon Tetrachloride	8.07	117	77073	18.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95192	21.220	ug/l	93
40) Benzene	8.32	78	235860	20.638	ug/l	100
41) Methacrylonitrile	7.48	41	24426	17.070	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	67010	17.491	ug/l	94
43) Isopropyl Acetate	8.42	43	69853	16.743	ug/l	96
44) Trichloroethene	9.09	130	66526	21.252	ug/l	83
45) 1,2-Dichloropropane	9.37	63	62354	20.536	ug/l	100
46) Dibromomethane	9.46	93	28999	19.935	ug/l	99
47) Bromodichloromethane	9.64	83	75226	18.436	ug/l	95
48) Methyl methacrylate	9.43	41	31665	16.172	ug/l	89
49) 1,4-Dioxane	9.47	88	8210	336.813	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	180082	83.605	ug/l	96
52) Toluene	10.38	92	152700	21.027	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74167	18.073	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	90355	19.243	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	43452	19.607	ug/l	99
56) Ethyl methacrylate	10.65	69	56819	19.048	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	76429	19.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	154685	96.670	ug/l	97
59) 2-Hexanone	10.97	43	126073	84.059	ug/l	96
60) Dibromochloromethane	11.13	129	50460	18.834	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39935	19.754	ug/l	100
64) Tetrachloroethene	10.86	164	55336	21.172	ug/l	94
65) Chlorobenzene	11.66	112	163724	20.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59149	19.723	ug/l	99
67) Ethyl Benzene	11.73	91	300024	20.758	ug/l	98
68) m/p-Xylenes	11.84	106	226140	42.830	ug/l	95
69) o-Xylene	12.16	106	104751	21.161	ug/l	96
70) Styrene	12.18	104	183868	20.881	ug/l	97
71) Bromoform	12.35	173	29310	18.606	ug/l	99
73) Isopropylbenzene	12.46	105	298468	20.318	ug/l	100
74) N-amyl acetate	12.27	43	64677	17.116	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	51288	19.879	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62610	32.253	ug/l #	100
77) Bromobenzene	12.74	156	69115	20.423	ug/l	94
78) n-propylbenzene	12.80	91	353993	20.486	ug/l	99
79) 2-Chlorotoluene	12.89	91	196421	19.774	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	252410	20.311	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	15826	18.494	ug/l	93
82) 4-Chlorotoluene	12.99	91	208429	19.887	ug/l	97
83) tert-Butylbenzene	13.21	119	225083	20.249	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	251740	20.499	ug/l	97
85) sec-Butylbenzene	13.38	105	308895	20.396	ug/l	100
86) p-Isopropyltoluene	13.50	119	283824	20.412	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	137319	20.498	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	135982	20.655	ug/l	100
89) n-Butylbenzene	13.82	91	261734	19.959	ug/l	98
90) Hexachloroethane	14.09	117	46774	18.771	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122172	20.738	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7240	15.330	ug/l	91

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

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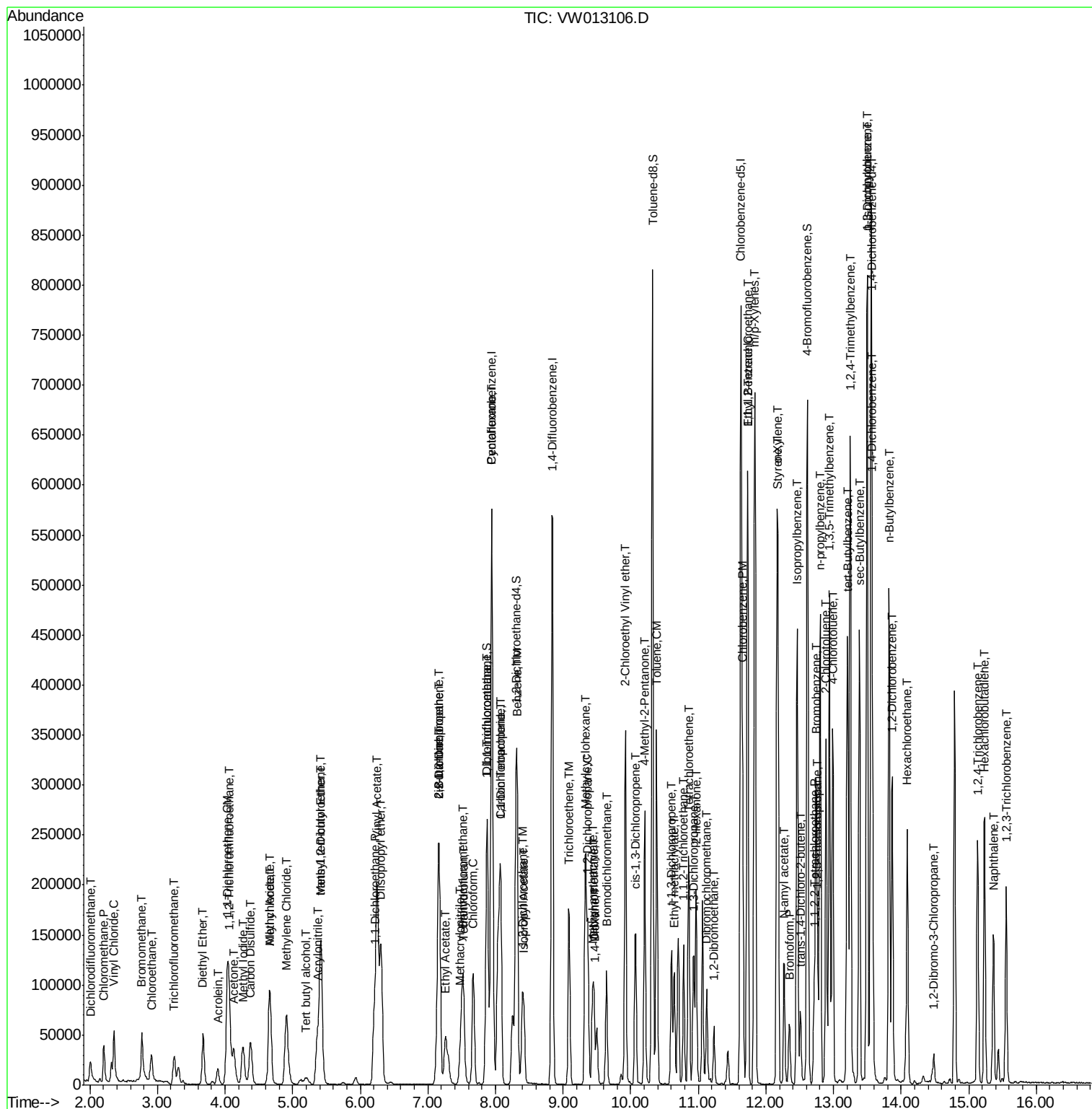
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	83416	19.854	ug/l	99
94) Hexachlorobutadiene	15.24	225	57565	19.354	ug/l	98
95) Naphthalene	15.36	128	130102	18.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	72384	19.489	ug/l	100

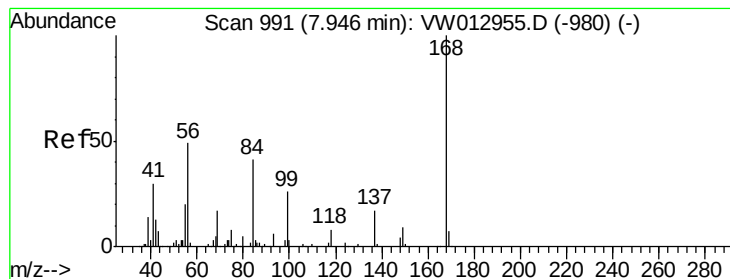
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

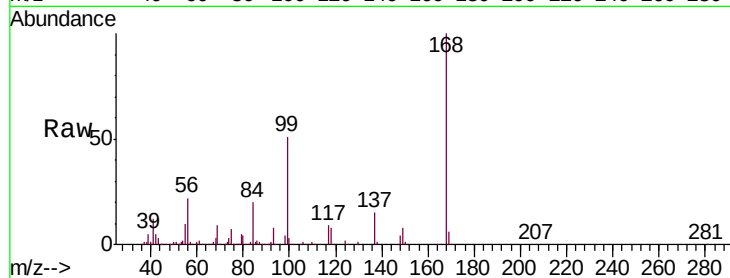
VW0918SBS01

Tgt Ion:168 Resp: 358514

Ion Ratio Lower Upper

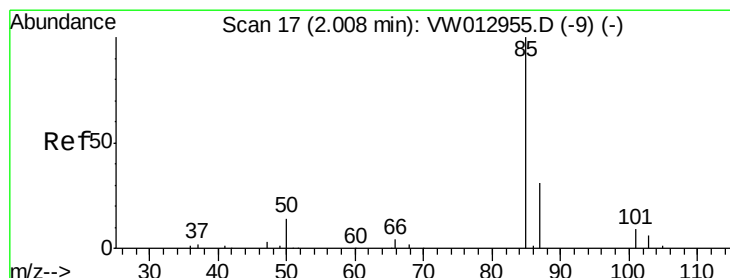
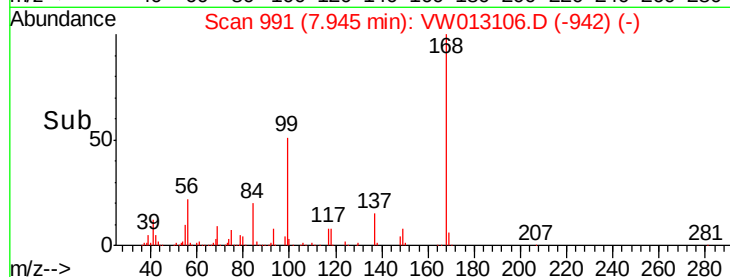
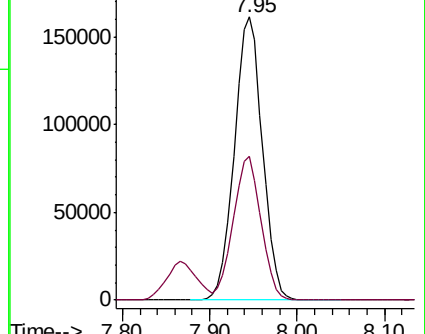
168 100

99 50.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.797 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013106.D

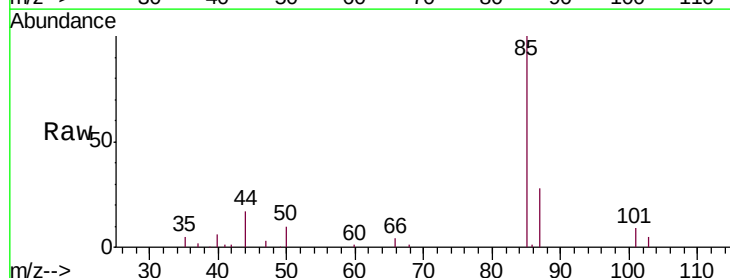
Acq: 18 Sep 2019 12:09

Tgt Ion: 85 Resp: 32128

Ion Ratio Lower Upper

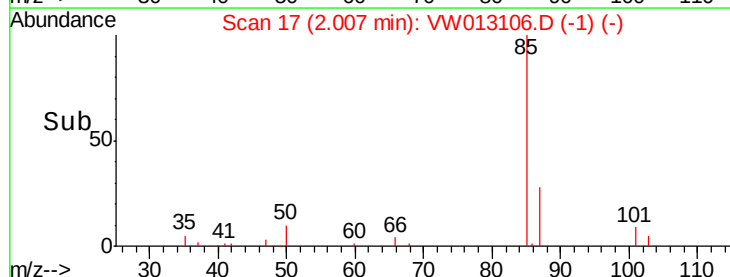
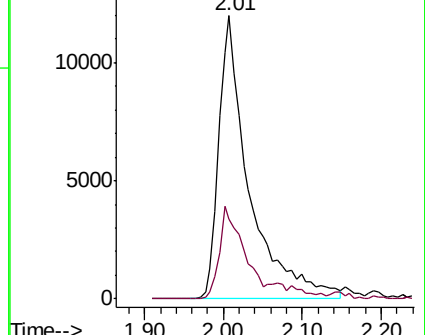
85 100

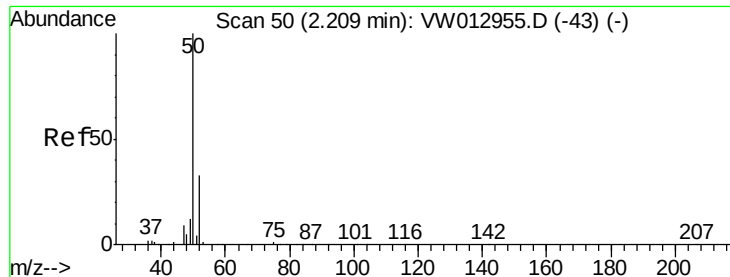
87 28.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.475 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

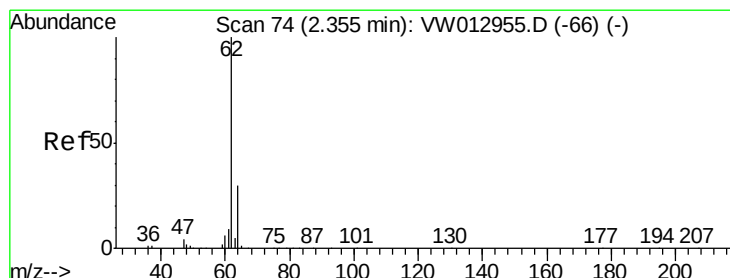
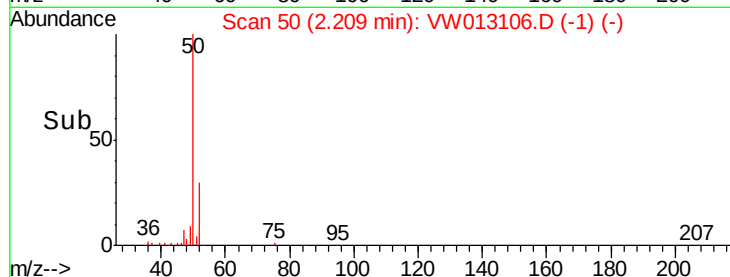
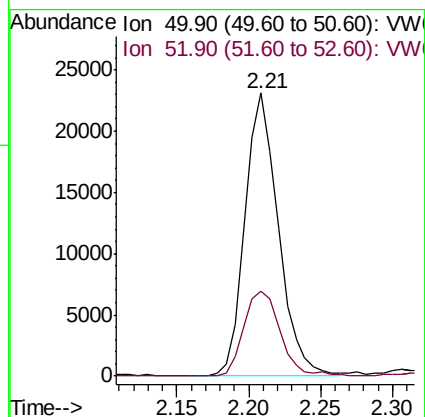
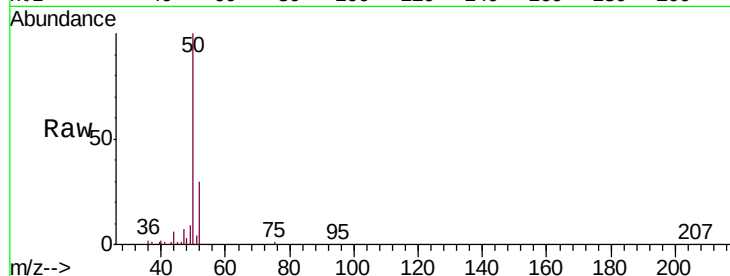
VW0918SBS01

Tgt Ion: 50 Resp: 37154

Ion Ratio Lower Upper

50 100

52 29.9 26.6 39.8



#4

Vinyl Chloride

Concen: 19.978 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013106.D

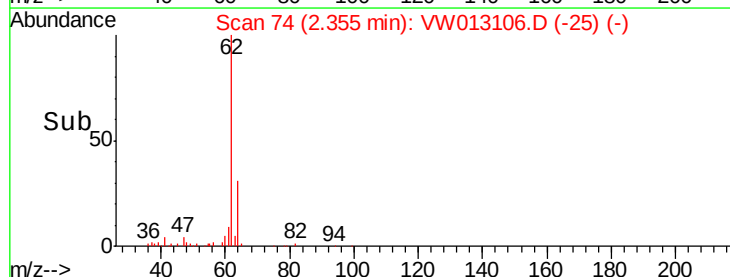
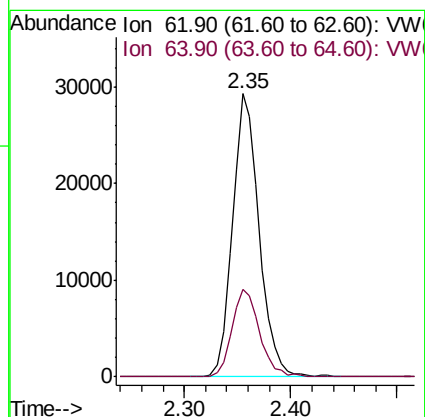
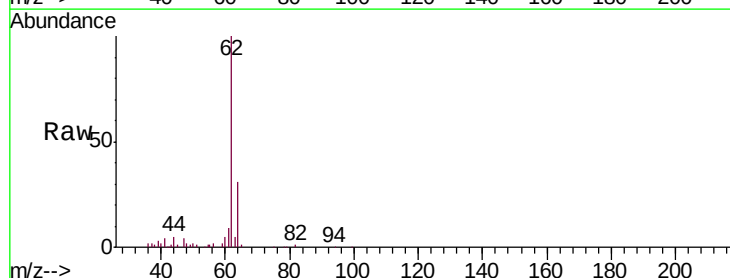
Acq: 18 Sep 2019 12:09

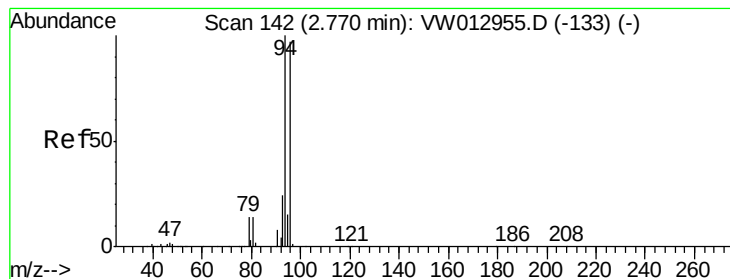
Tgt Ion: 62 Resp: 51266

Ion Ratio Lower Upper

62 100

64 30.8 24.2 36.4





#5

Bromomethane

Concen: 19.888 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

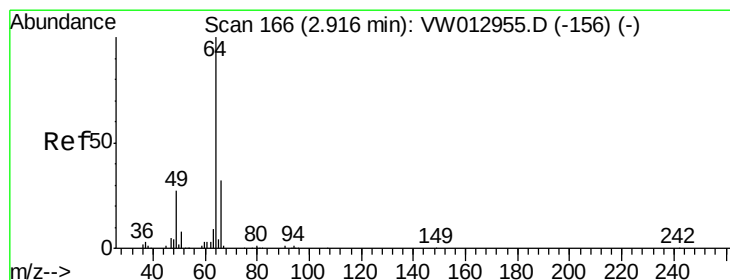
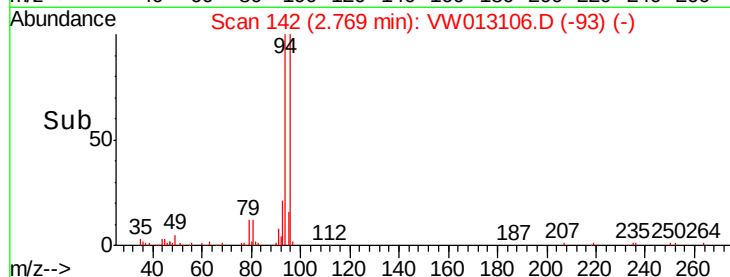
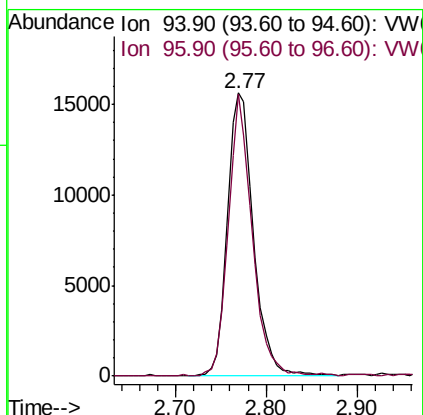
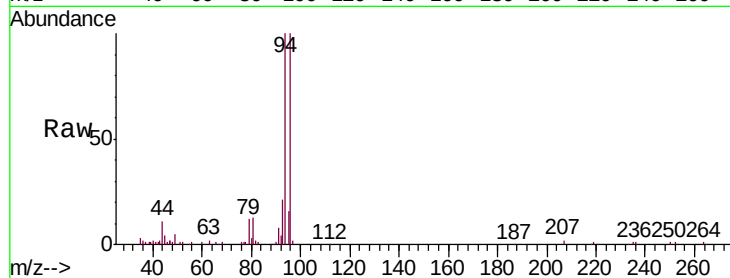
VW0918SBS01

Tgt Ion: 94 Resp: 31167

Ion Ratio Lower Upper

94 100

96 99.7 77.8 116.6



#6

Chloroethane

Concen: 19.021 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013106.D

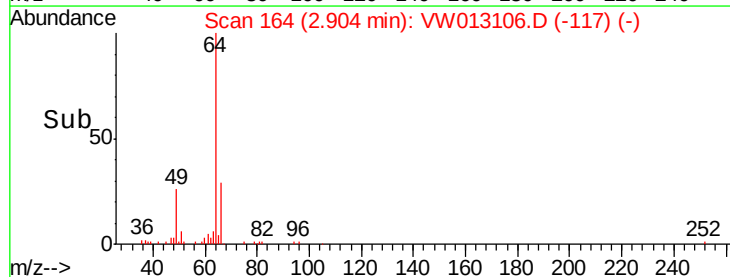
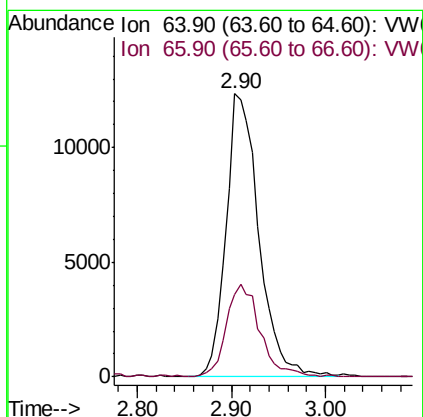
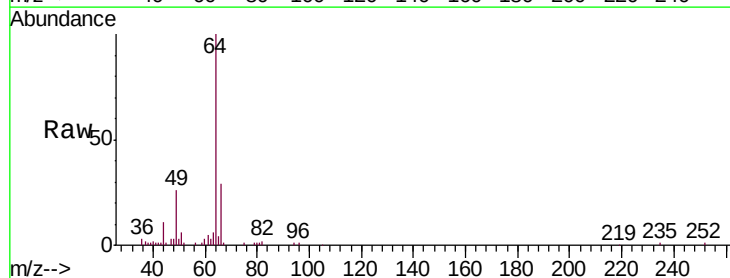
Acq: 18 Sep 2019 12:09

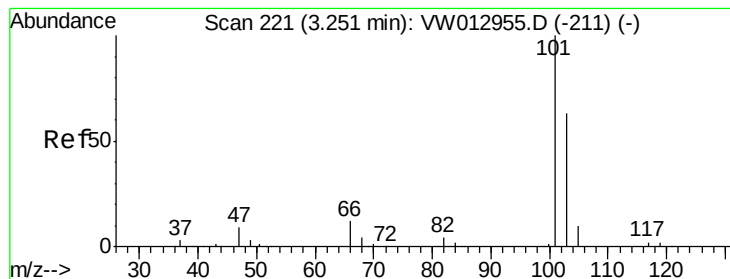
Tgt Ion: 64 Resp: 29936

Ion Ratio Lower Upper

64 100

66 29.3 25.9 38.9



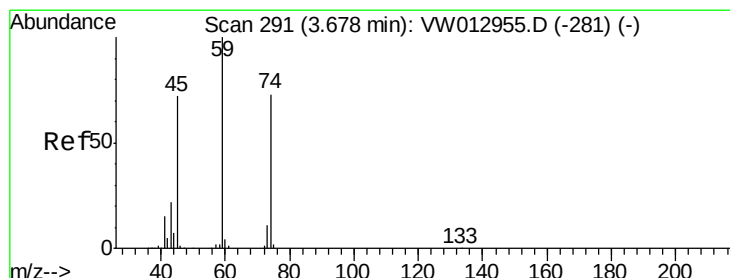
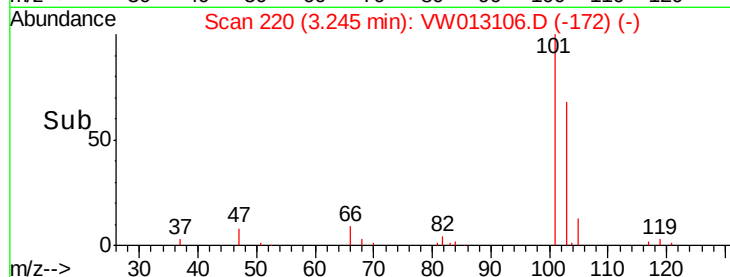
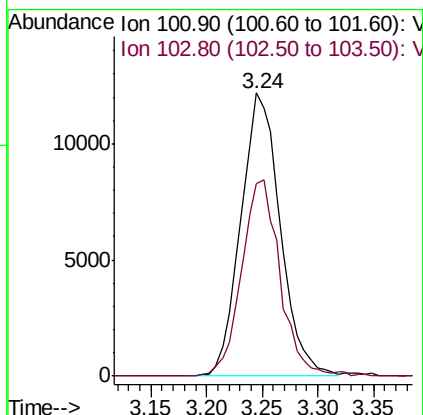
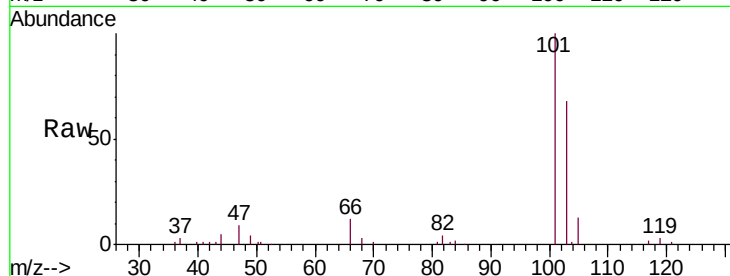


#7

Trichlorofluoromethane
 Concen: 16.711 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Instrument :
 MSVOA_W
 ClientSampled :
 VW0918SBS01

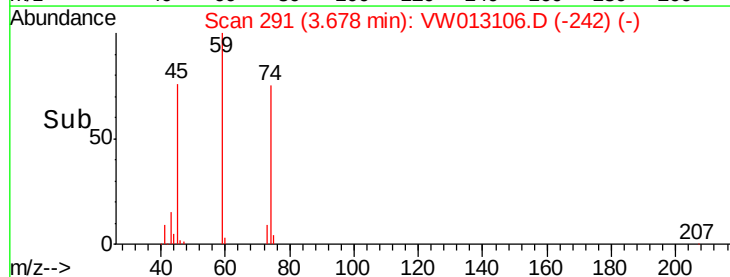
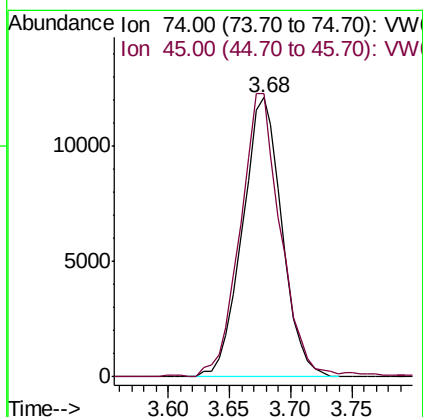
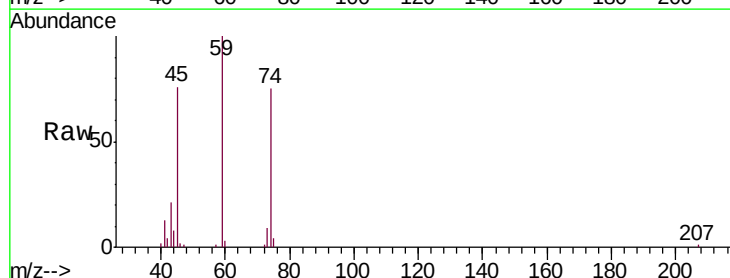
Tgt Ion:101 Resp: 29988
 Ion Ratio Lower Upper
 101 100
 103 68.0 50.7 76.1

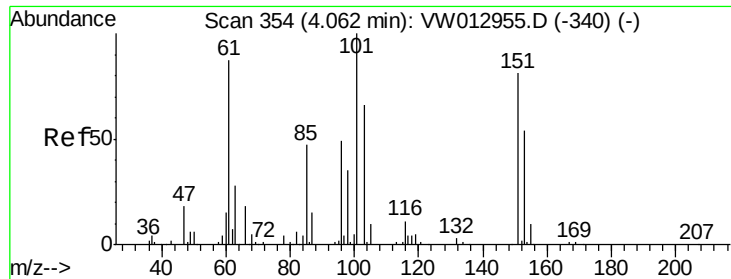


#8

Diethyl Ether
 Concen: 19.365 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 74 Resp: 27134
 Ion Ratio Lower Upper
 74 100
 45 104.4 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.496 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

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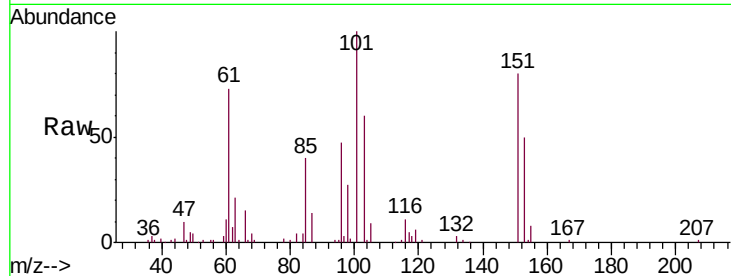
Tgt Ion:101 Resp: 55784

Ion Ratio Lower Upper

101 100

85 41.3 34.9 52.3

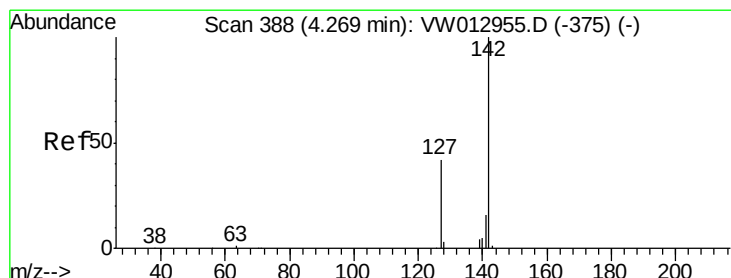
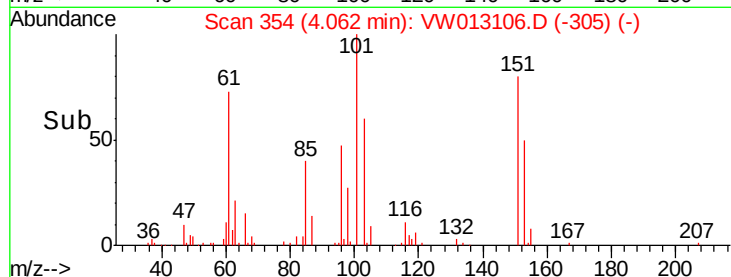
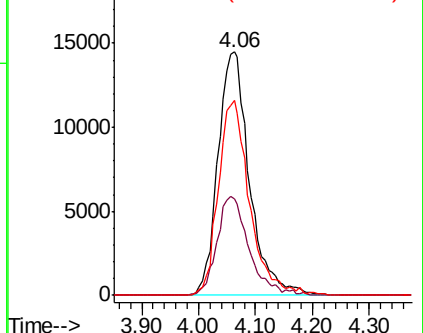
151 79.0 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.536 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

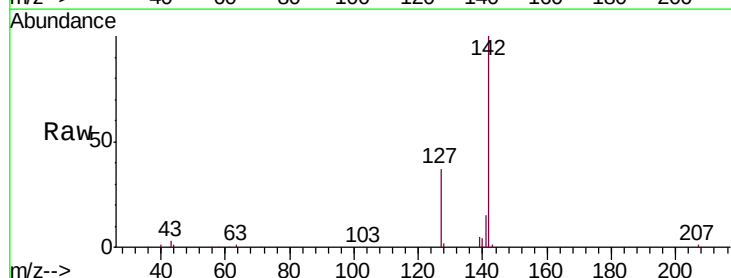
Tgt Ion:142 Resp: 73356

Ion Ratio Lower Upper

142 100

127 39.3 34.7 52.1

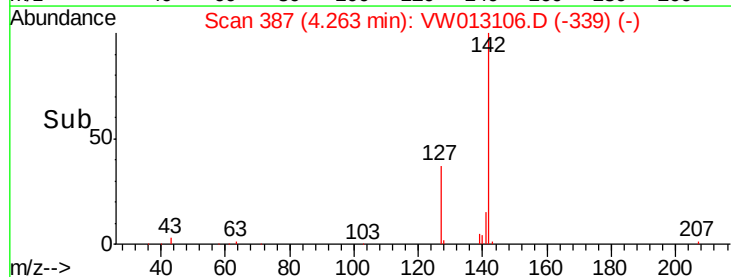
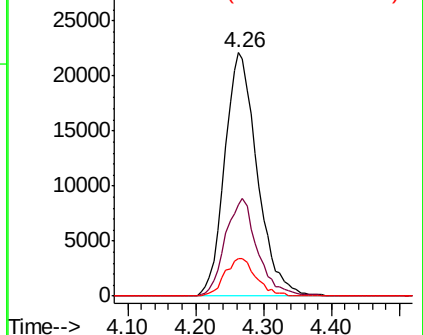
141 14.9 12.2 18.2

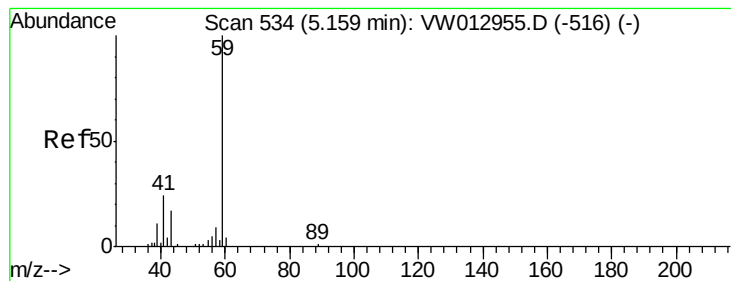


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 54.302 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.04 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampled :

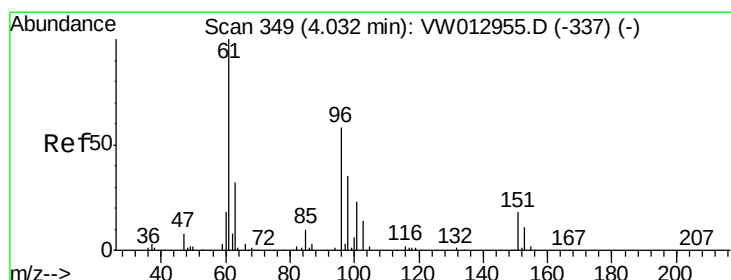
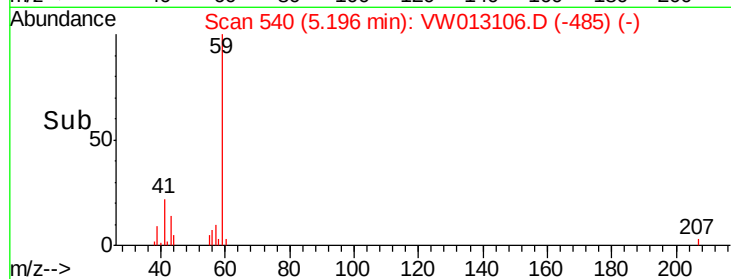
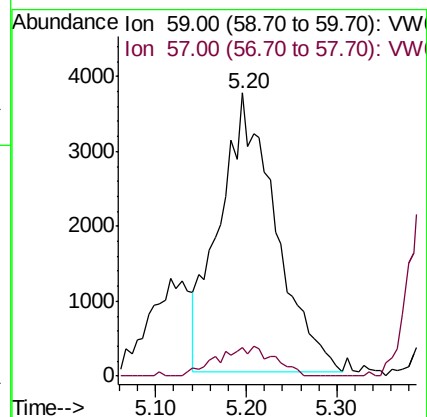
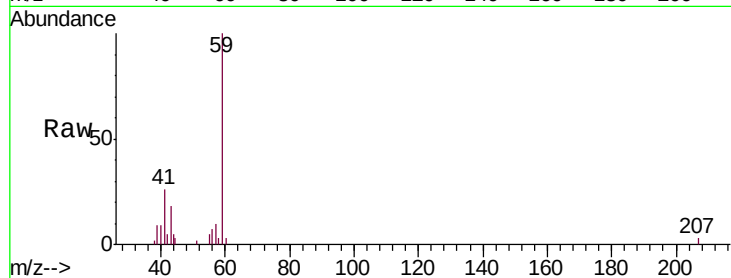
VW0918SBS01

Tgt Ion: 59 Resp: 15885

Ion Ratio Lower Upper

59 100

57 6.2 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 20.938 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

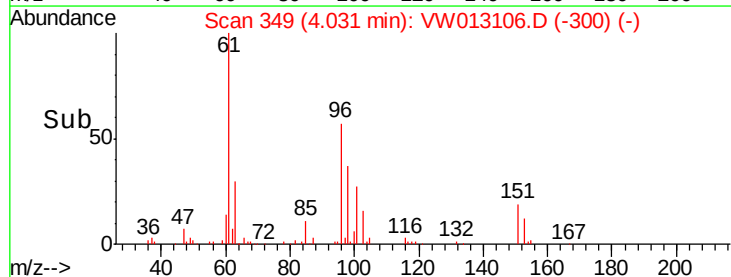
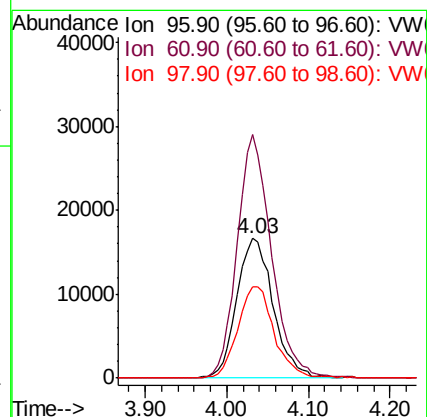
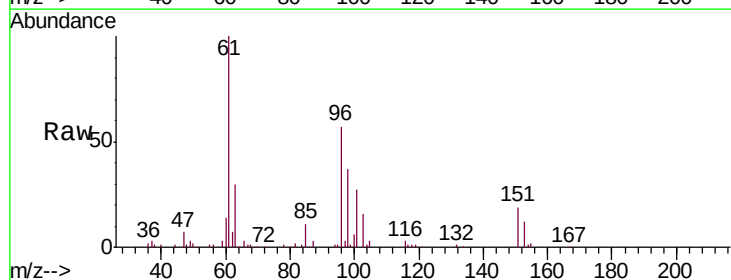
Tgt Ion: 96 Resp: 51814

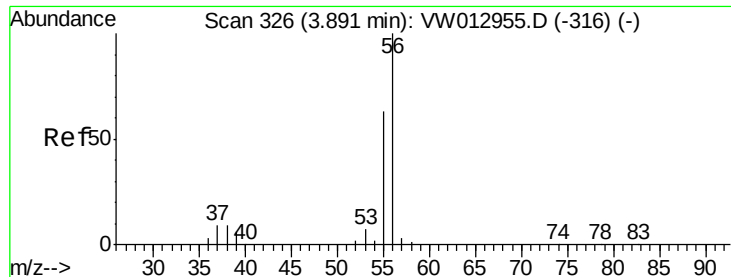
Ion Ratio Lower Upper

96 100

61 174.6 137.9 206.9

98 65.4 48.9 73.3





#13

Acrolein

Concen: 78.344 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

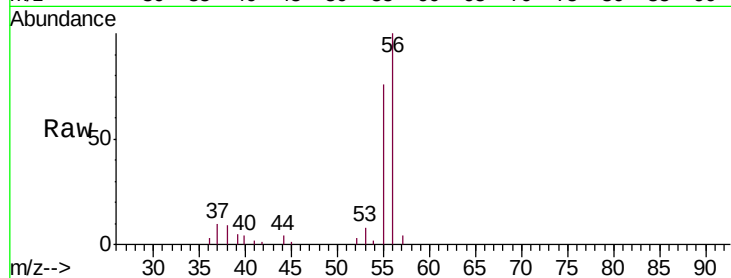
VW0918SBS01

Tgt Ion: 56 Resp: 20298

Ion Ratio Lower Upper

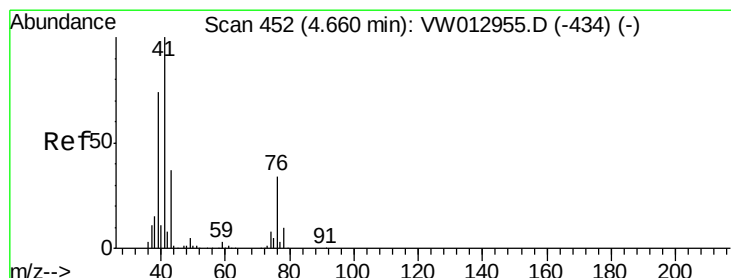
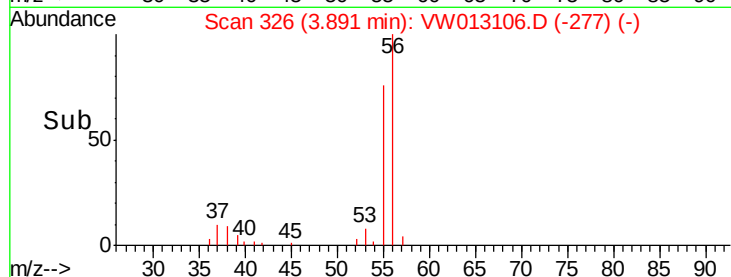
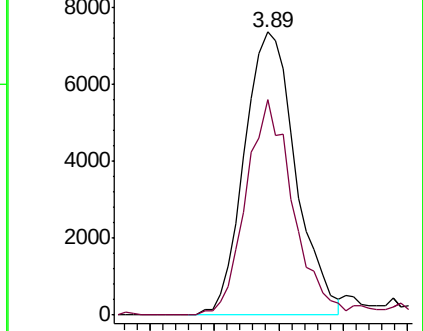
56 100

55 69.4 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.774 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

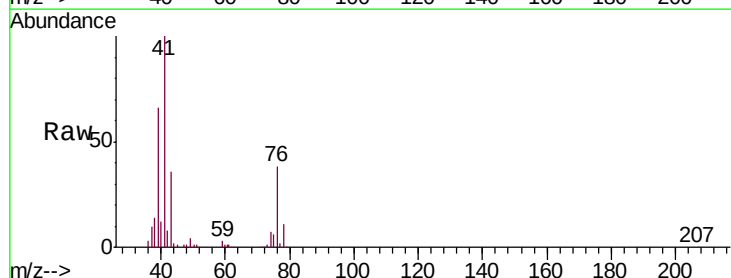
Tgt Ion: 41 Resp: 88200

Ion Ratio Lower Upper

41 100

39 65.1 56.7 85.1

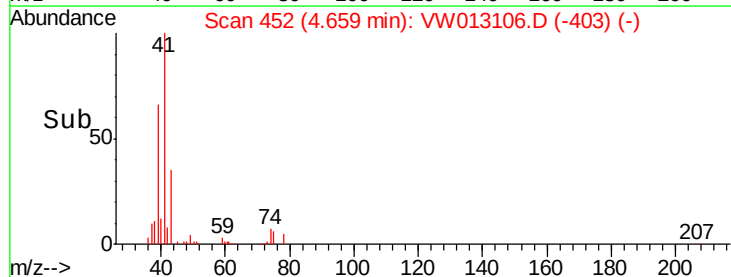
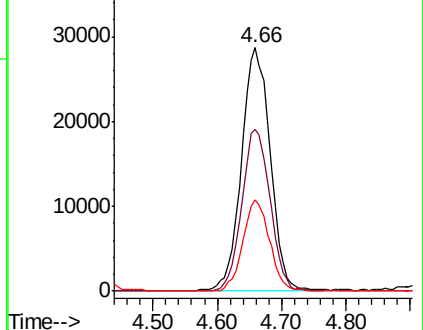
76 34.4 25.1 37.7

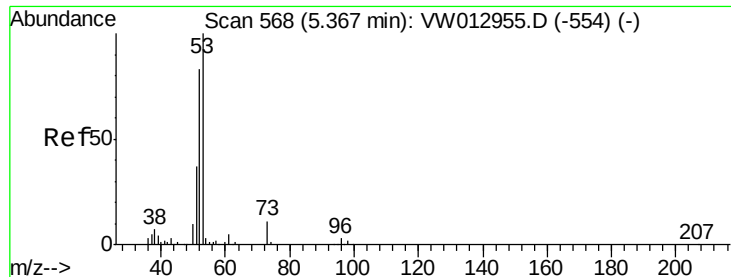


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 88.820 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

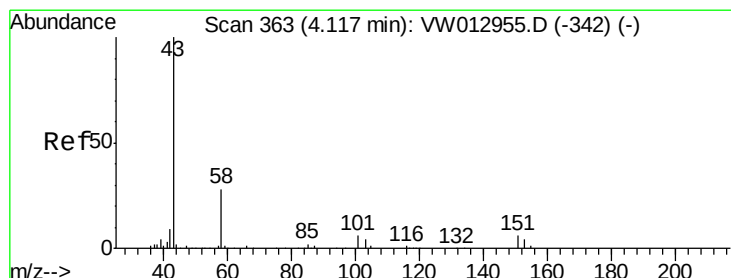
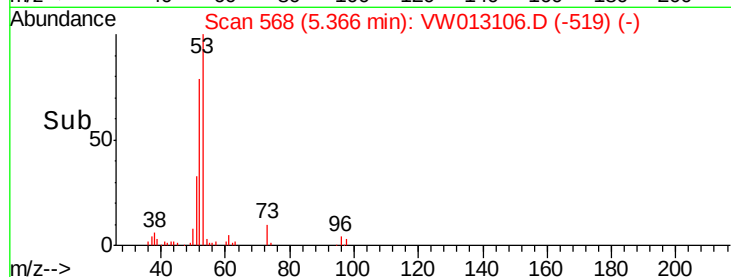
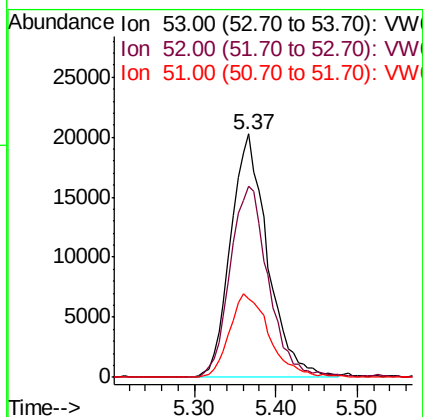
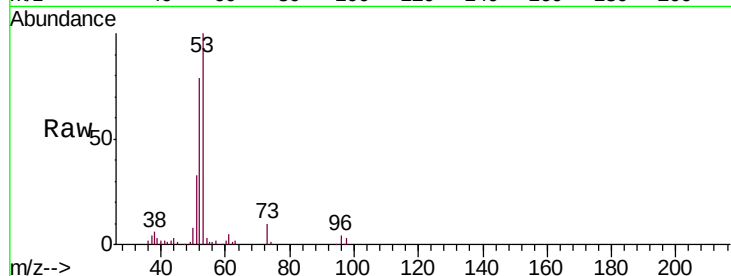
Tgt Ion: 53 Resp: 63564

Ion Ratio Lower Upper

53 100

52 81.5 66.6 100.0

51 37.1 29.8 44.8



#16

Acetone

Concen: 63.527 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013106.D

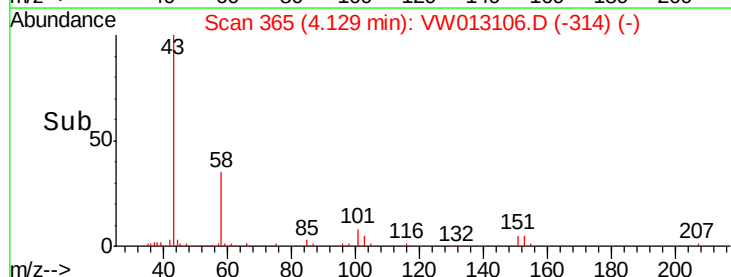
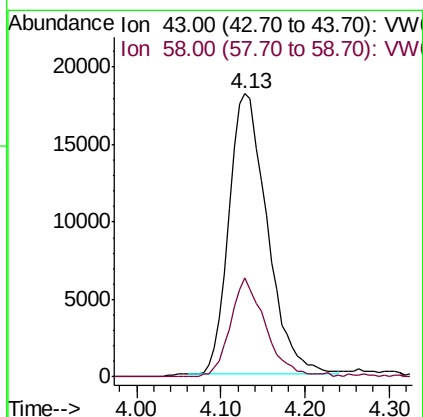
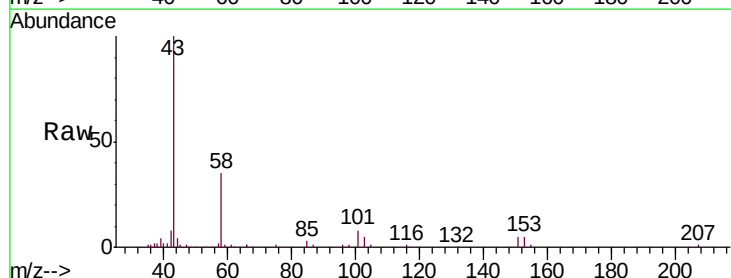
Acq: 18 Sep 2019 12:09

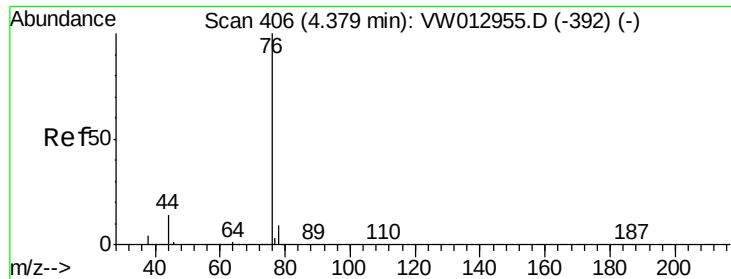
Tgt Ion: 43 Resp: 56119

Ion Ratio Lower Upper

43 100

58 35.4 22.3 33.5#

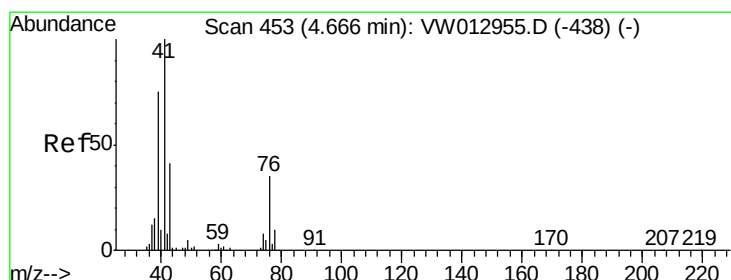
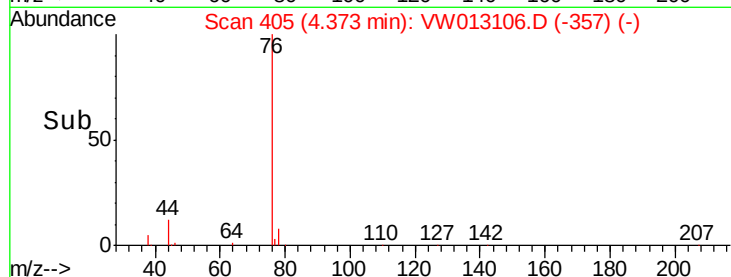
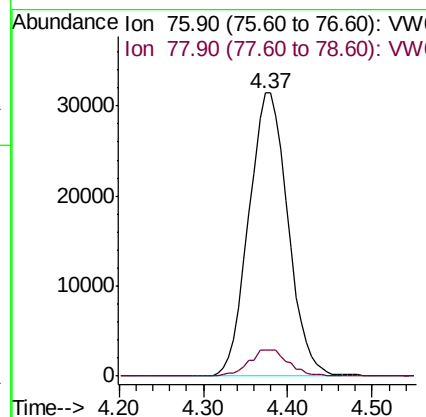
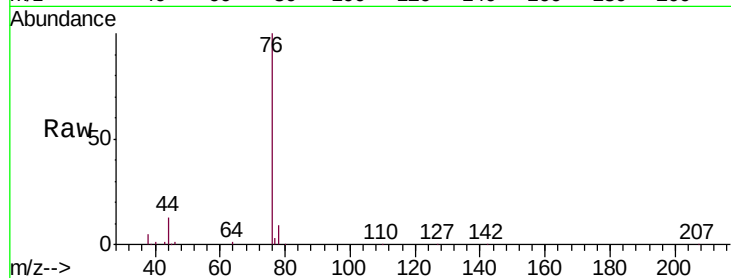




#17
Carbon Disulfide
Concen: 20.170 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

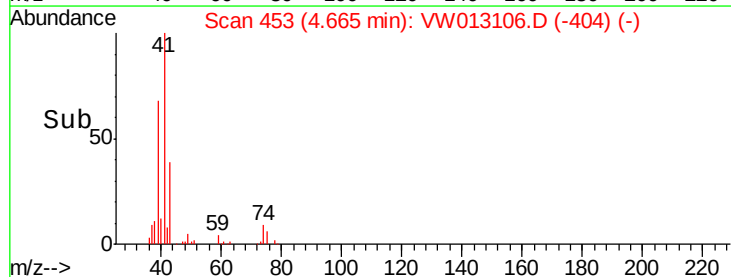
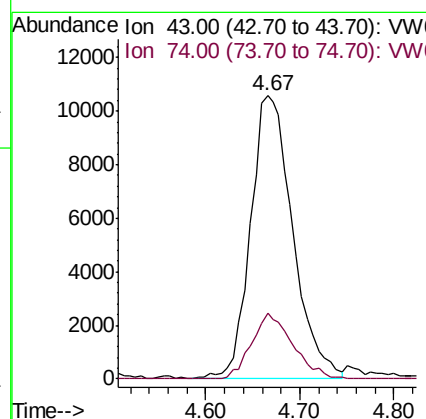
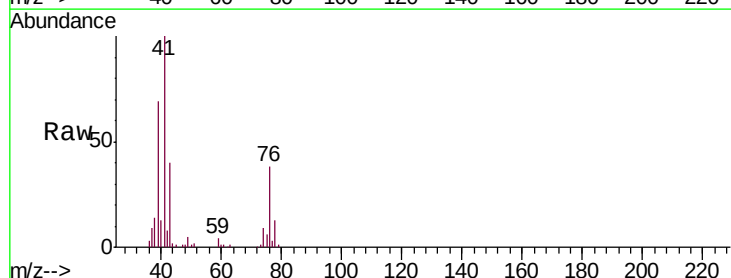
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

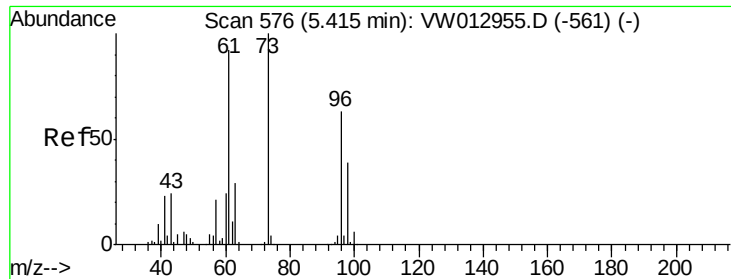
Tgt Ion: 76 Resp: 99470
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 17.600 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 43 Resp: 33201
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 18.144 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

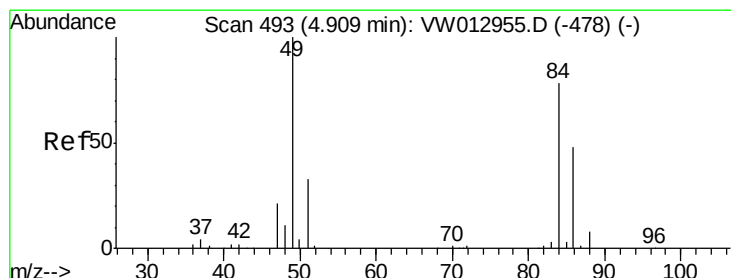
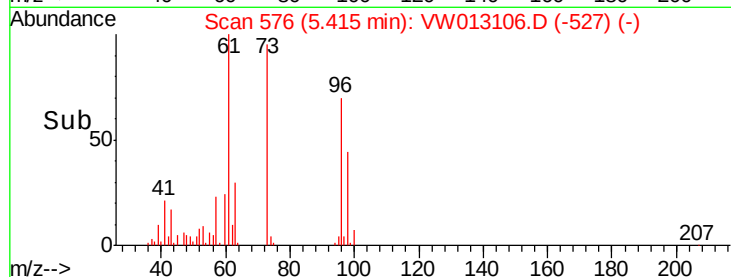
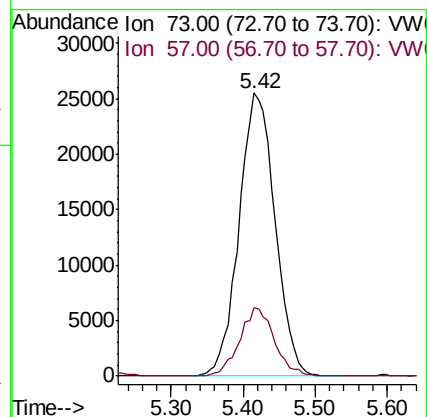
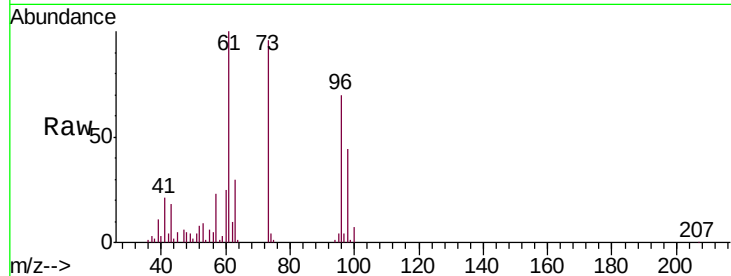
VW0918SBS01

Tgt Ion: 73 Resp: 88633

Ion Ratio Lower Upper

73 100

57 24.1 16.4 24.6



#20

Methylene Chloride

Concen: 18.969 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Tgt Ion: 84 Resp: 59353

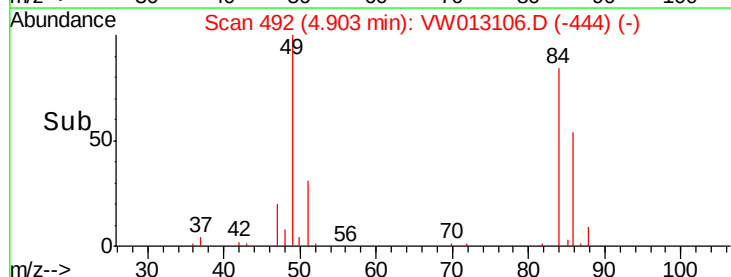
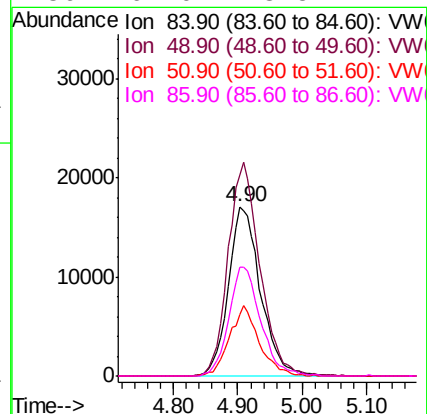
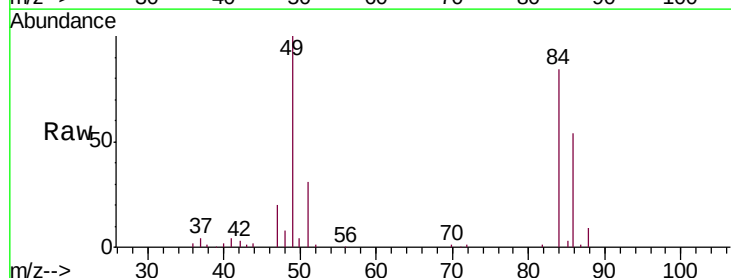
Ion Ratio Lower Upper

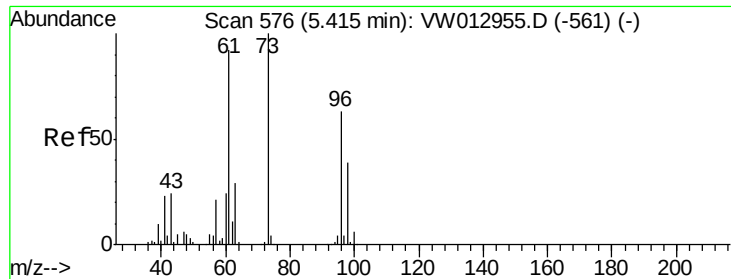
84 100

49 118.7 102.0 153.0

51 36.4 34.0 51.0

86 64.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.856 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

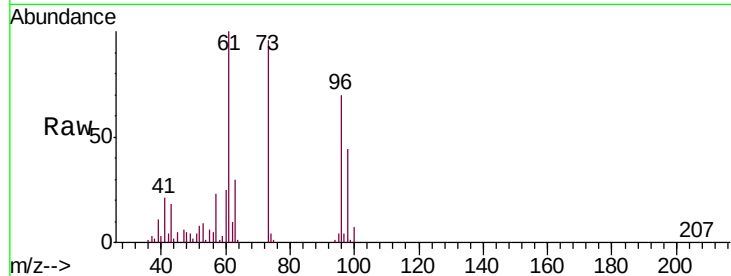
Tgt Ion: 96 Resp: 55279

Ion Ratio Lower Upper

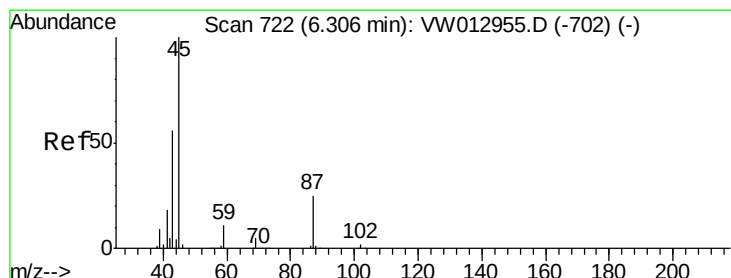
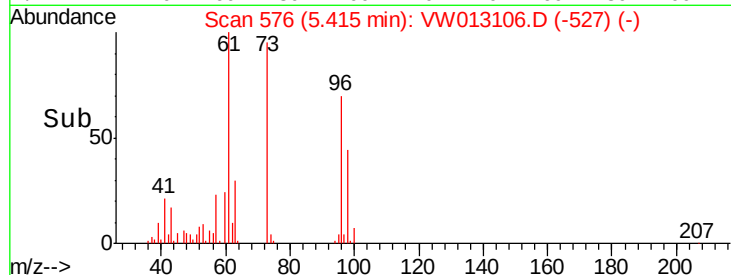
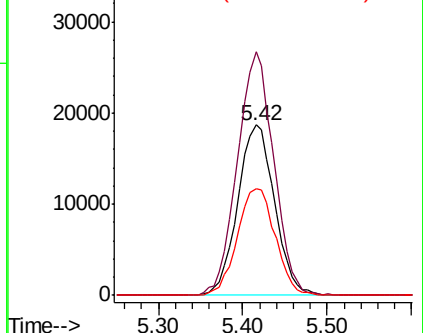
96 100

61 143.1 116.2 174.2

98 62.5 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: 18.910 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Tgt Ion: 45 Resp: 184560

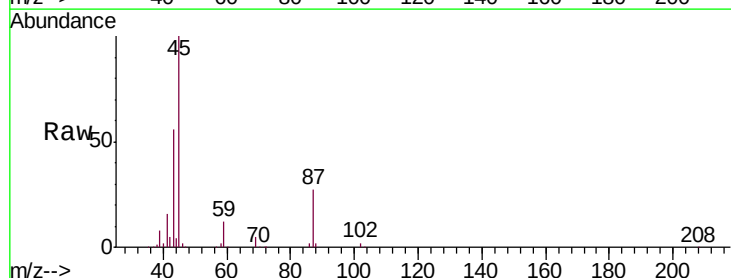
Ion Ratio Lower Upper

45 100

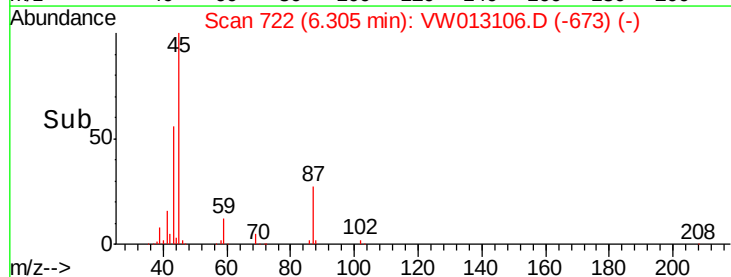
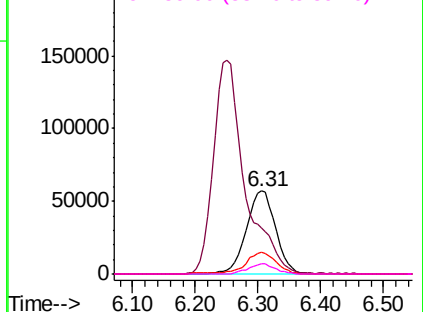
43 55.1 44.6 67.0

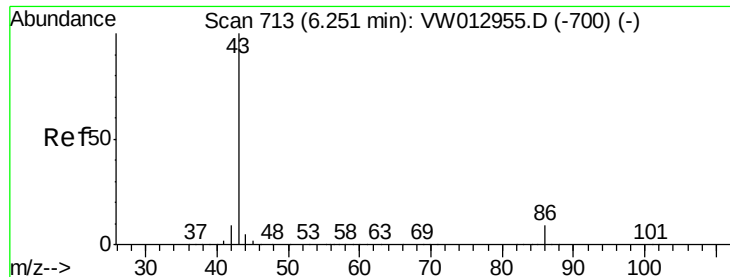
87 26.7 20.0 30.0

59 12.0 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: 87.218 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

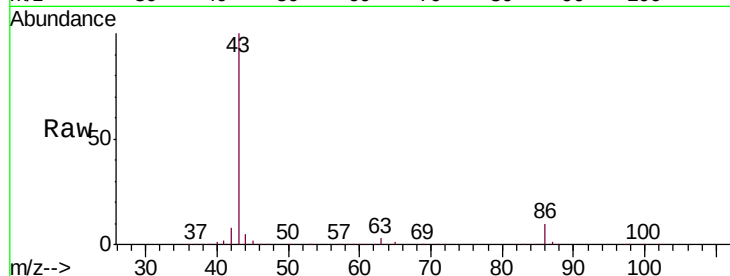
VW0918SBS01

Tgt Ion: 43 Resp: 509835

Ion Ratio Lower Upper

43 100

86 10.5 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

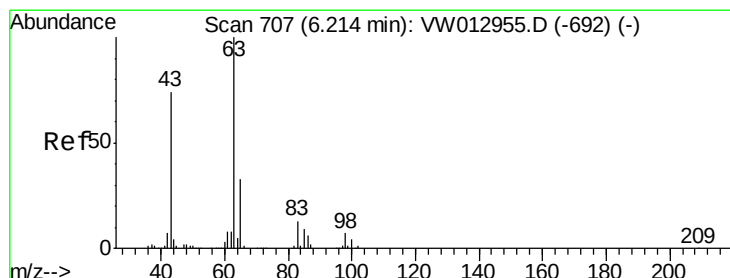
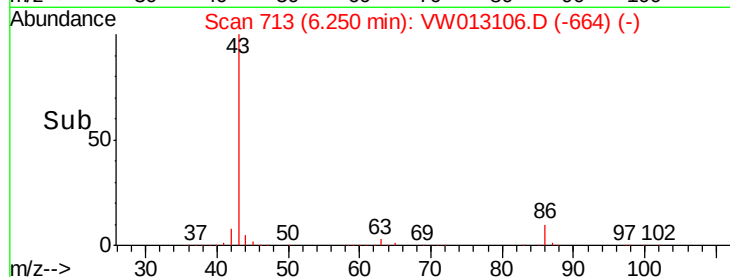
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.051 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

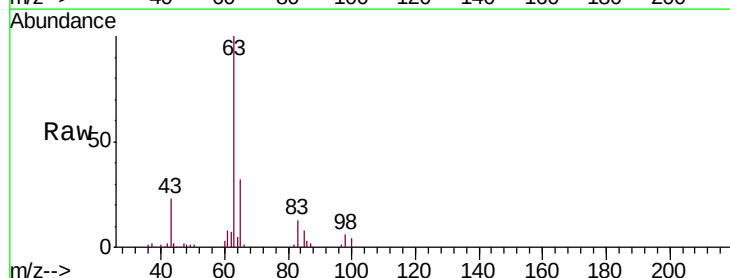
Tgt Ion: 63 Resp: 107203

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

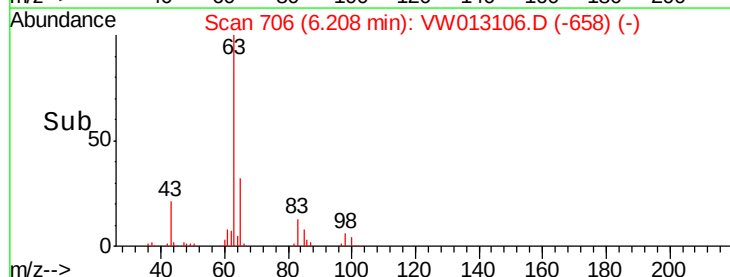
30000

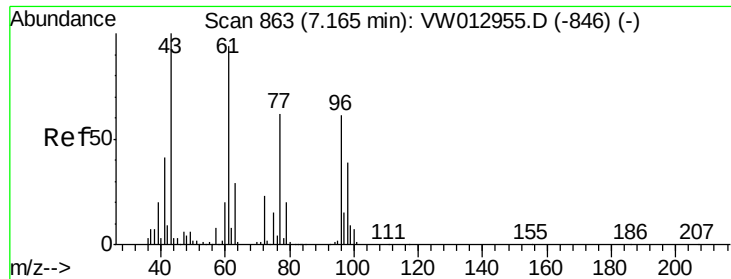
20000

10000

0

Time-->





#25

2-Butanone

Concen: 79.628 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

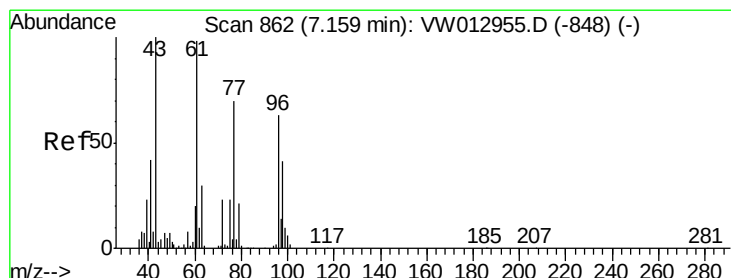
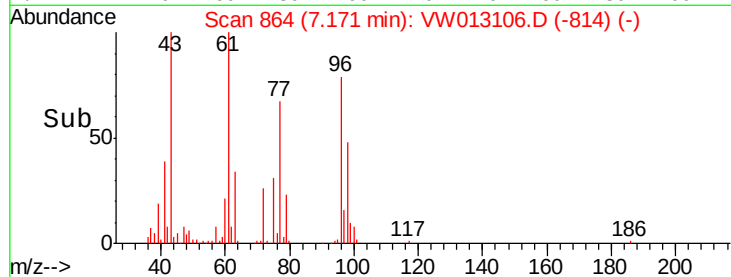
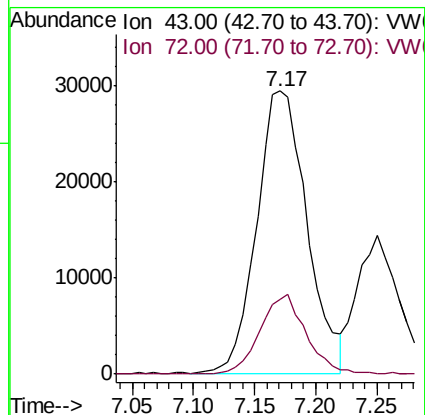
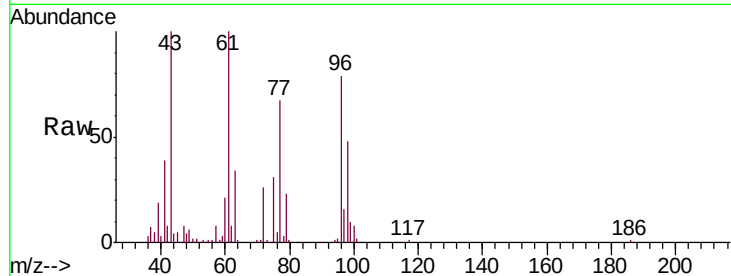
VW0918SBS01

Tgt Ion: 43 Resp: 83837

Ion Ratio Lower Upper

43 100

72 26.6 18.2 27.4



#26

2,2-Dichloropropane

Concen: 16.529 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013106.D

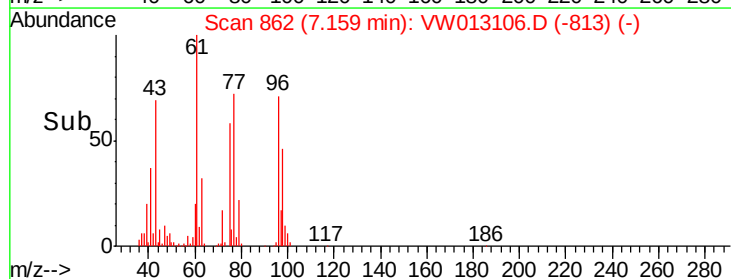
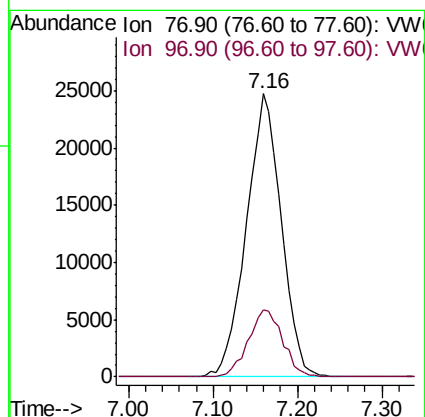
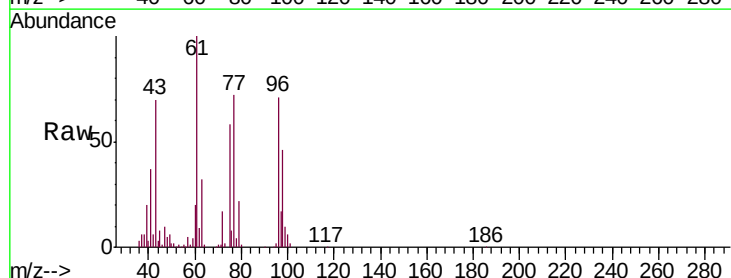
Acq: 18 Sep 2019 12:09

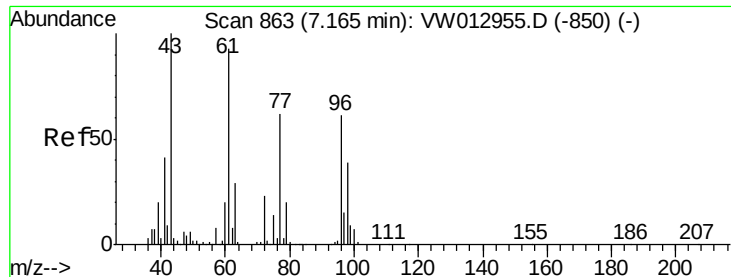
Tgt Ion: 77 Resp: 69394

Ion Ratio Lower Upper

77 100

97 23.3 10.7 32.1



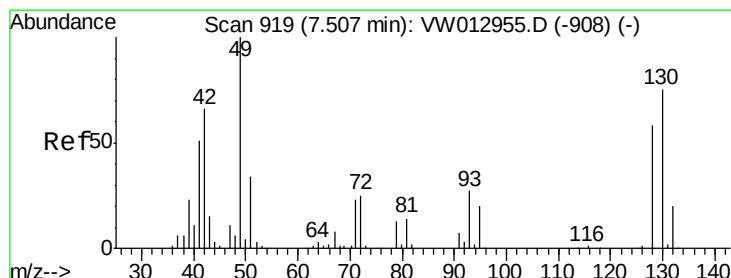
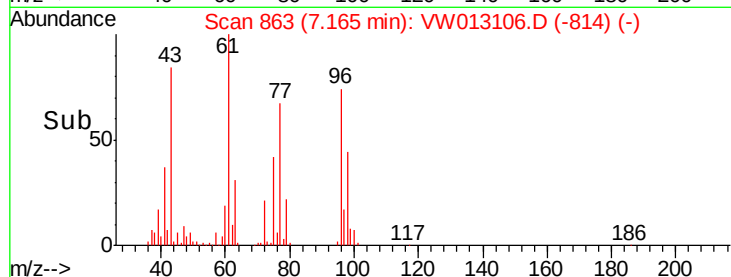
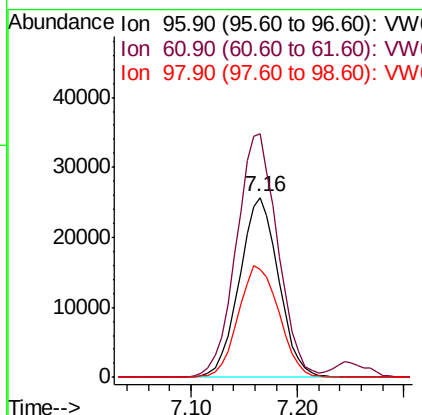
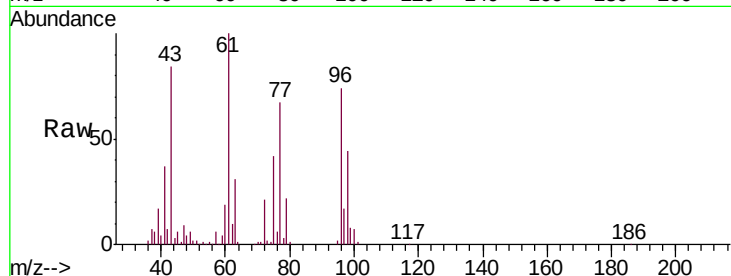


#27

cis-1,2-Dichloroethene
 Concen: 20.947 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

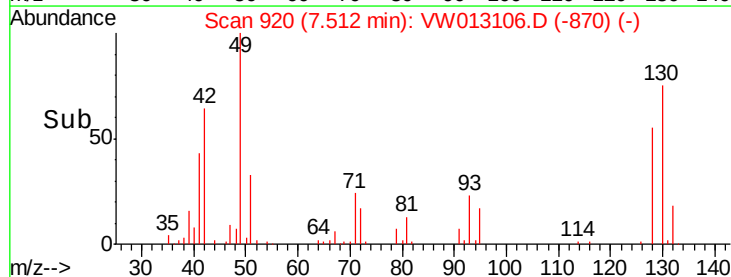
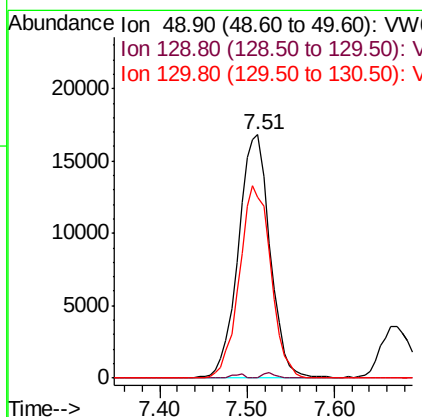
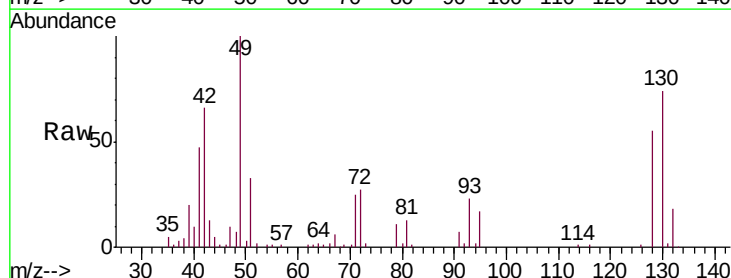
Tgt Ion: 96 Resp: 66468
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 315.4
 98 64.4 0.0 131.0

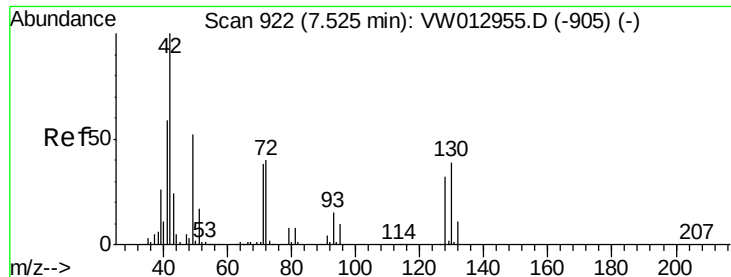


#28

Bromochloromethane
 Concen: 17.835 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 49 Resp: 42242
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 1.4
 130 78.2 57.8 86.6

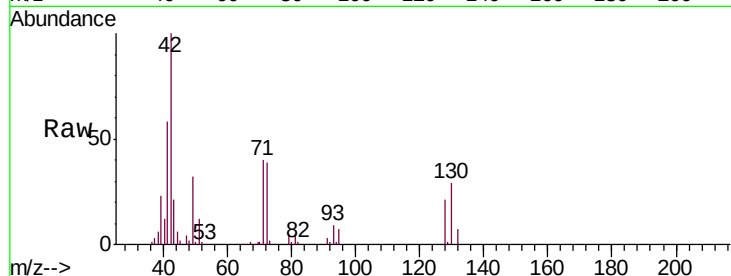




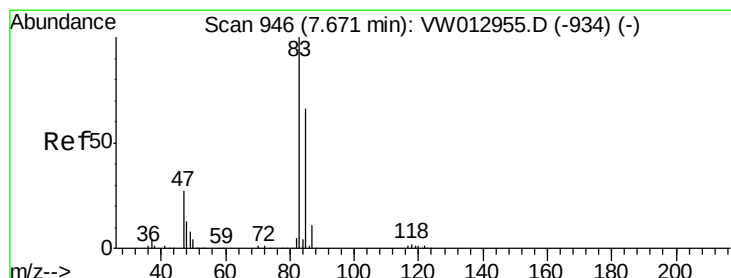
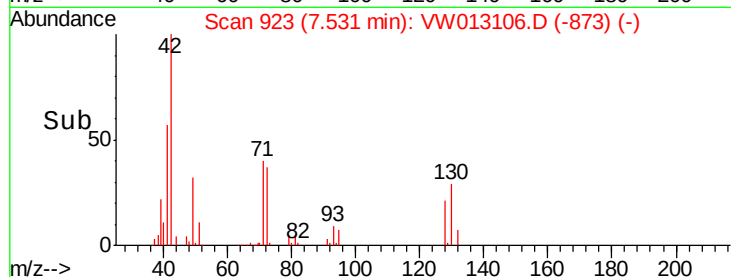
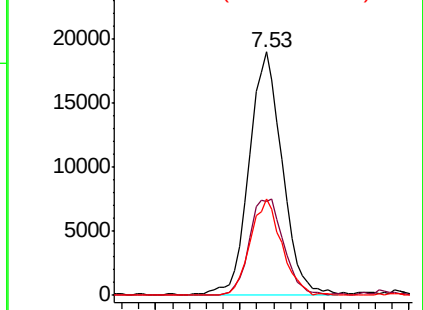
#29
Tetrahydrofuran
Concen: 84.946 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

Tgt Ion: 42 Resp: 50959
Ion Ratio Lower Upper
42 100
72 40.8 31.4 47.0
71 37.2 29.8 44.8

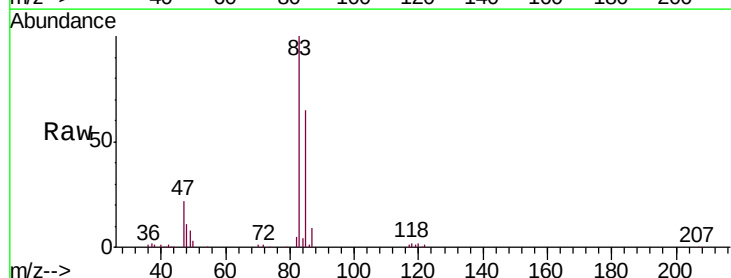


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

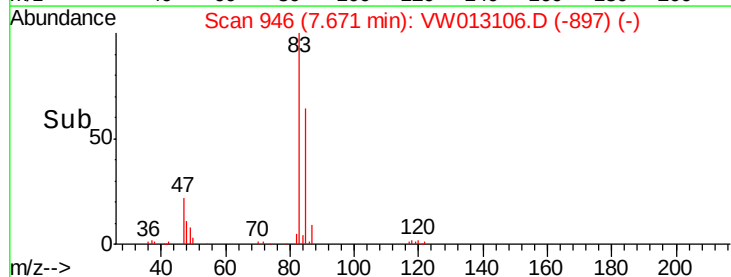
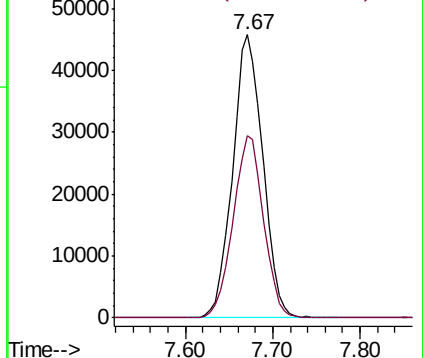


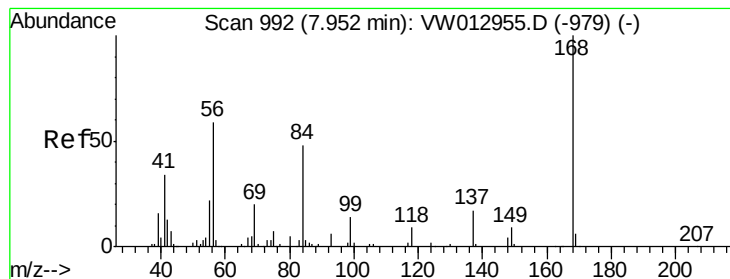
#30
Chloroform
Concen: 19.173 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 83 Resp: 109627
Ion Ratio Lower Upper
83 100
85 64.6 52.8 79.2



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





#31

Cyclohexane

Concen: 19.894 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

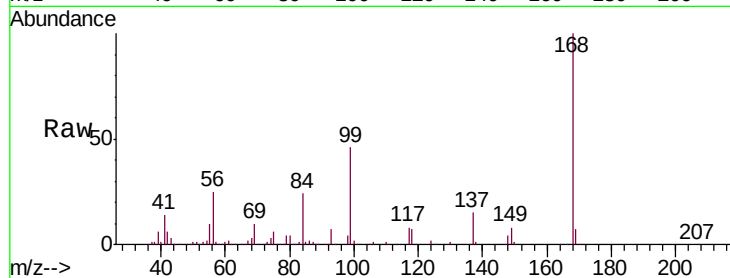
Tgt Ion: 56 Resp: 94846

Ion Ratio Lower Upper

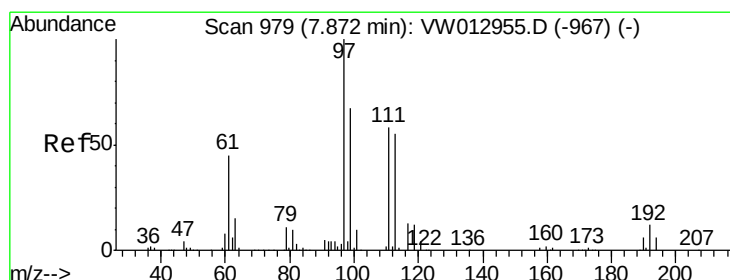
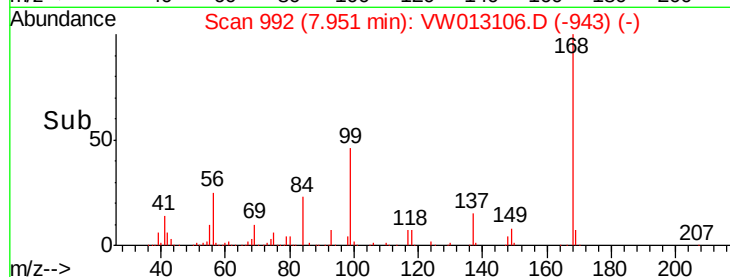
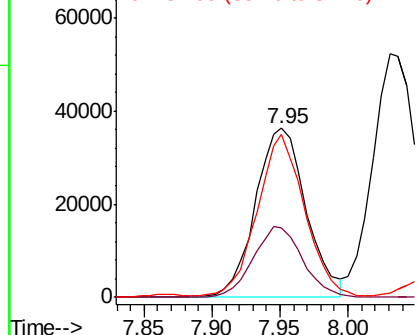
56 100

69 40.7 27.0 40.6#

84 94.9 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 18.300 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

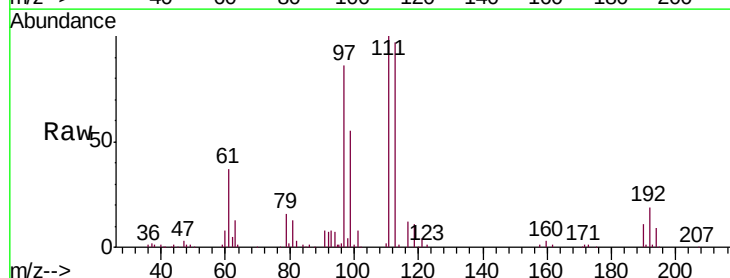
Tgt Ion: 97 Resp: 86167

Ion Ratio Lower Upper

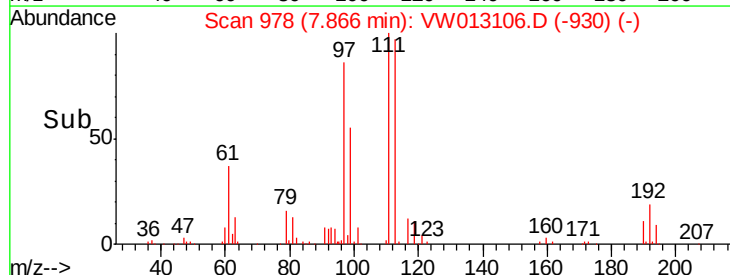
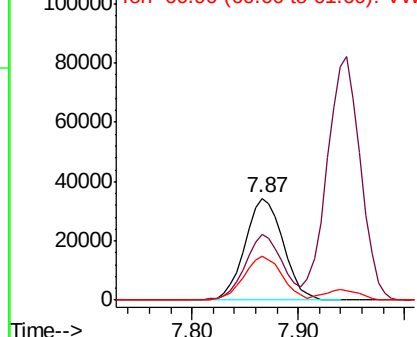
97 100

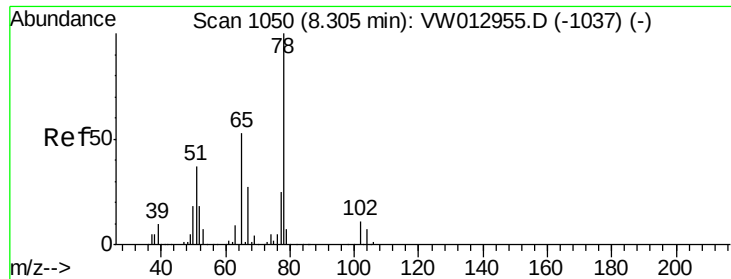
99 63.3 53.0 79.4

61 43.1 36.5 54.7



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

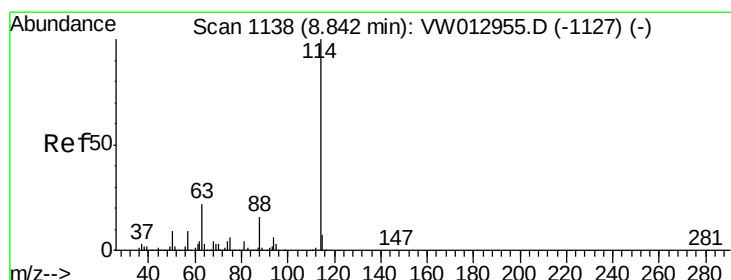
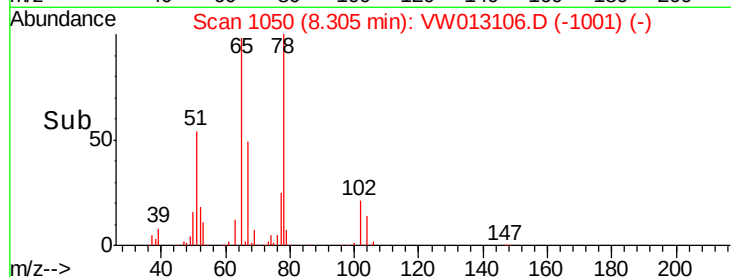
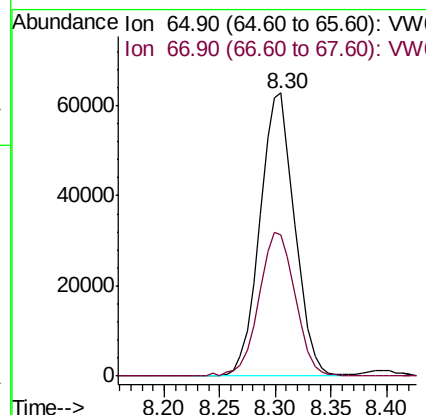
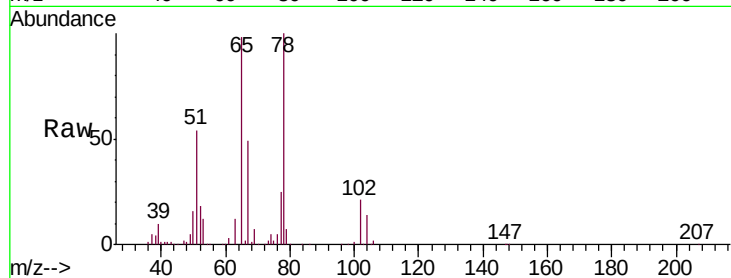




#33
 1,2-Dichloroethane-d4
 Concen: 41.298 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

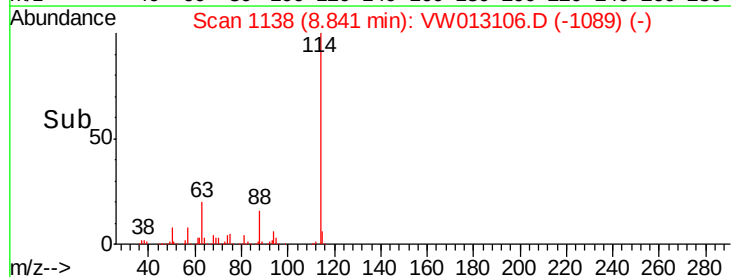
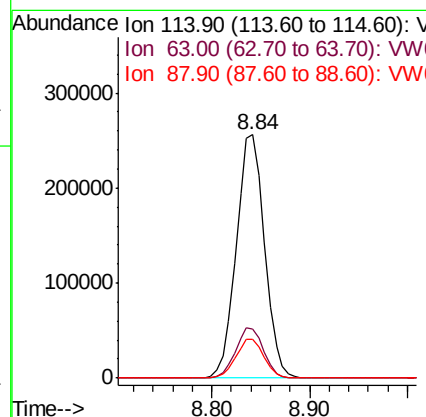
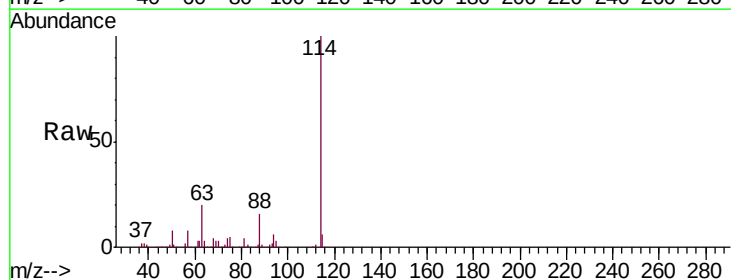
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

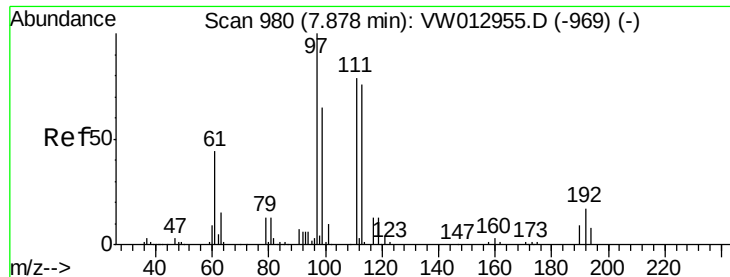
Tgt Ion: 65 Resp: 136744
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 114 Resp: 512305
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.4
 88 16.0 0.0 31.6

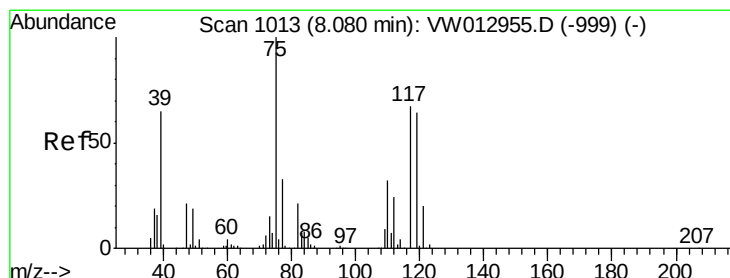
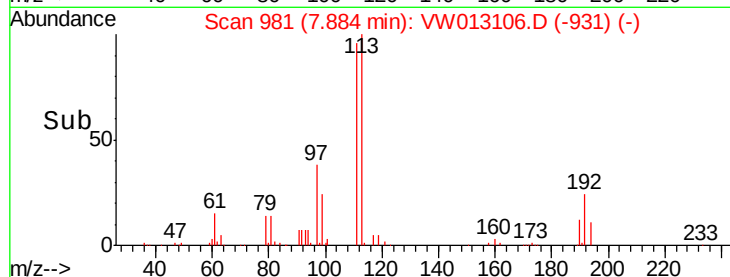
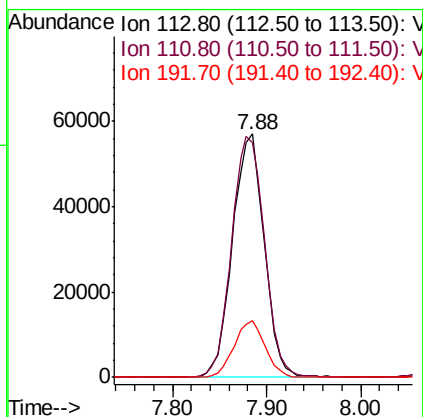
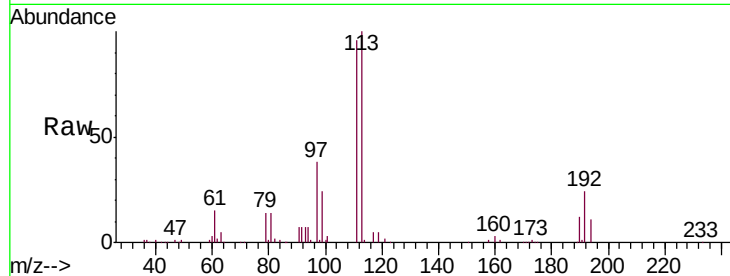




#35
 Dibromofluoromethane
 Concen: 48.135 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

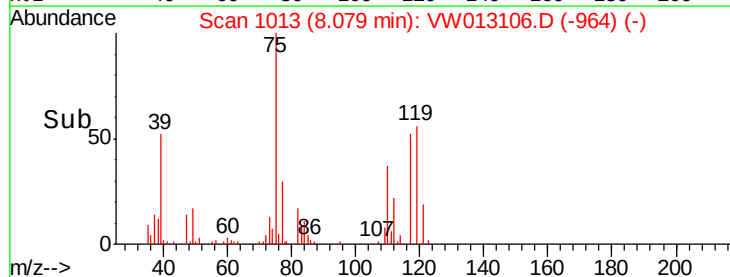
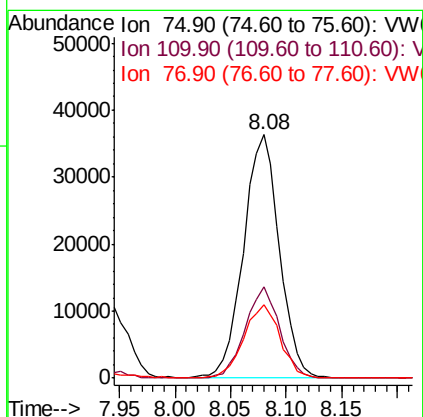
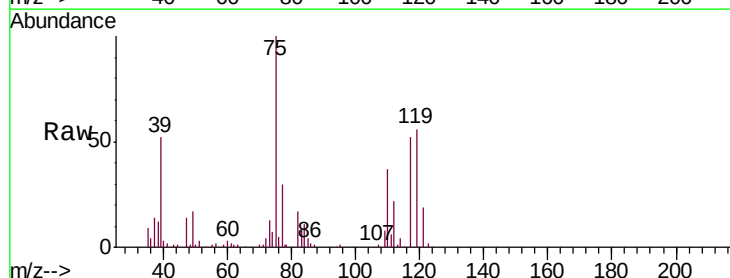
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

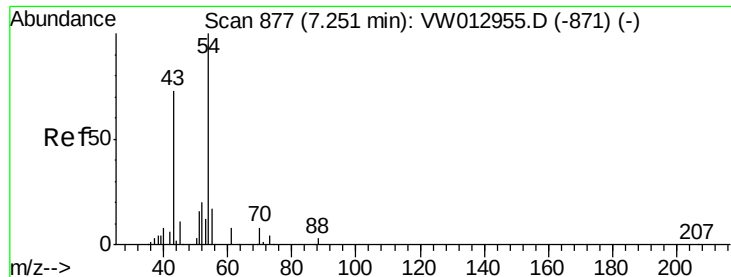
Tgt Ion: 113 Resp: 133807
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 22.8 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 19.917 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 75 Resp: 81537
 Ion Ratio Lower Upper
 75 100
 110 35.8 16.4 49.1
 77 30.6 25.1 37.7

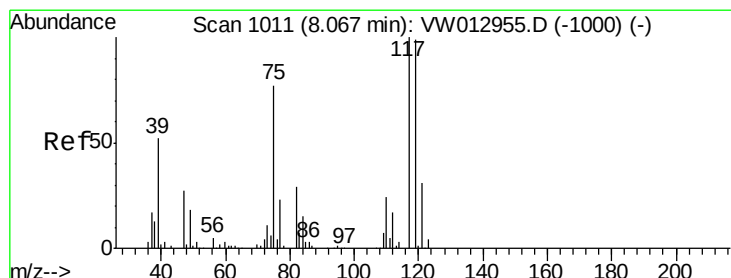
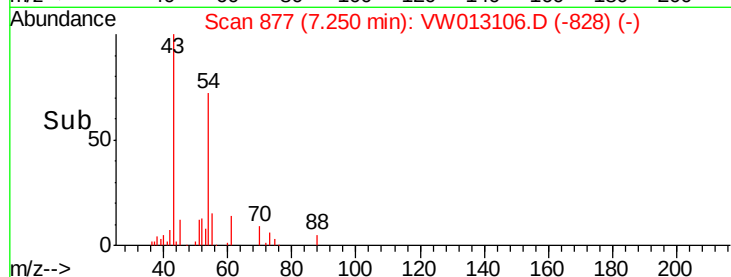
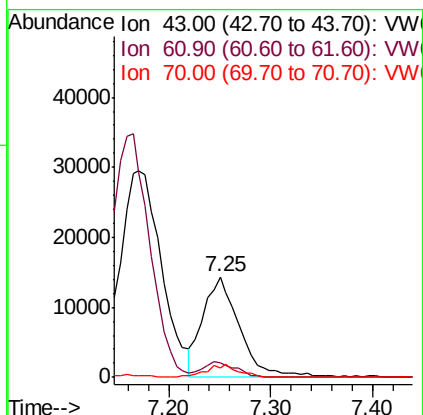
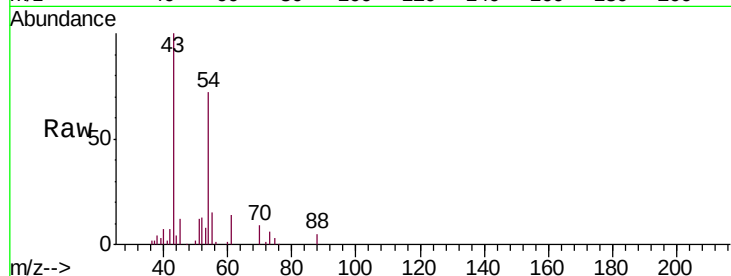




#37
 Ethyl Acetate
 Concen: 16.168 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

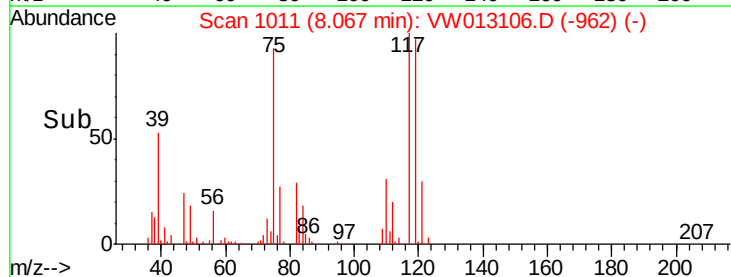
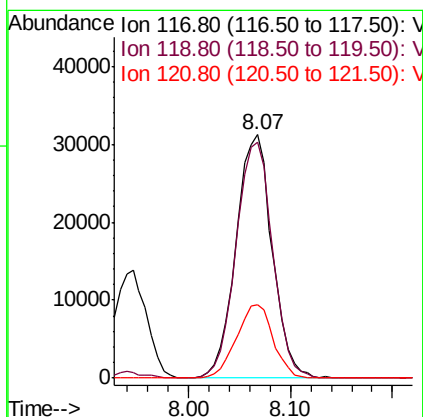
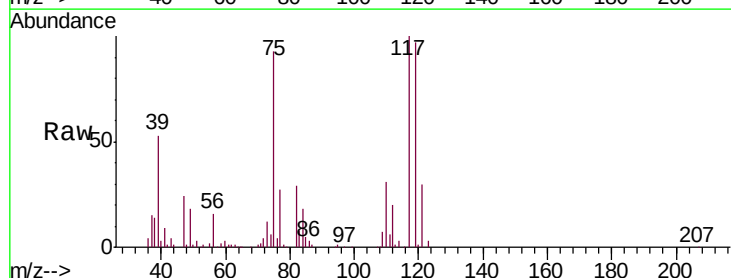
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

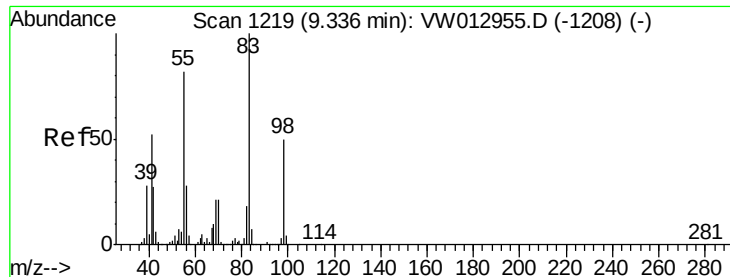
Tgt Ion: 43 Resp: 35132
 Ion Ratio Lower Upper
 43 100
 61 14.7 9.6 14.4#
 70 11.6 7.6 11.4#



#38
 Carbon Tetrachloride
 Concen: 18.372 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 117 Resp: 77073
 Ion Ratio Lower Upper
 117 100
 119 97.1 79.4 119.0
 121 30.1 24.6 36.8

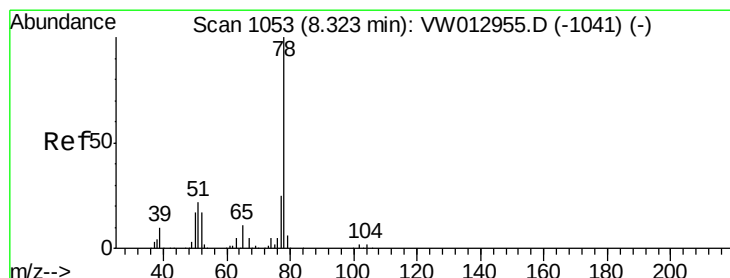
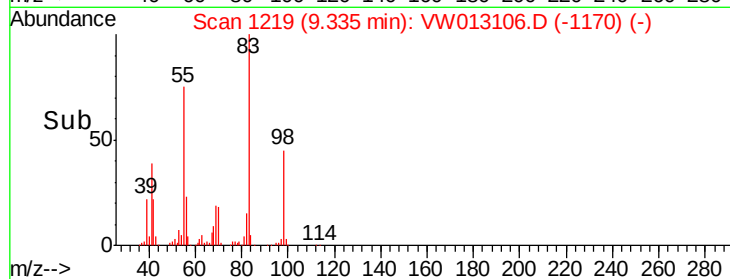
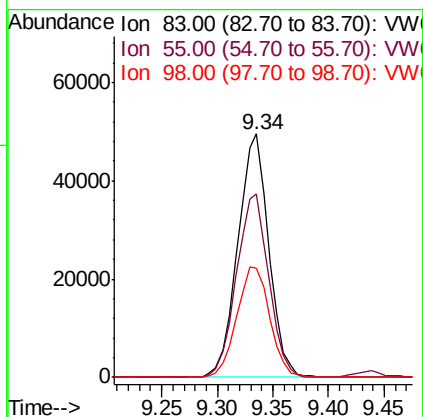
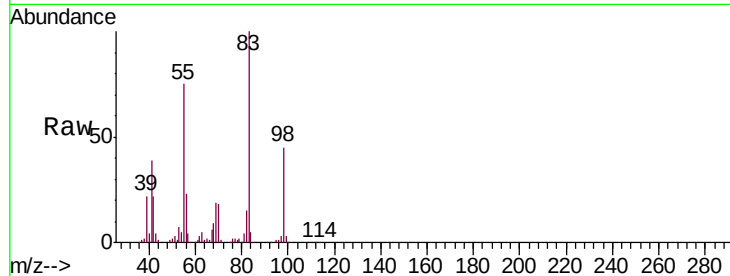




#39
Methylcyclohexane
Concen: 21.220 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

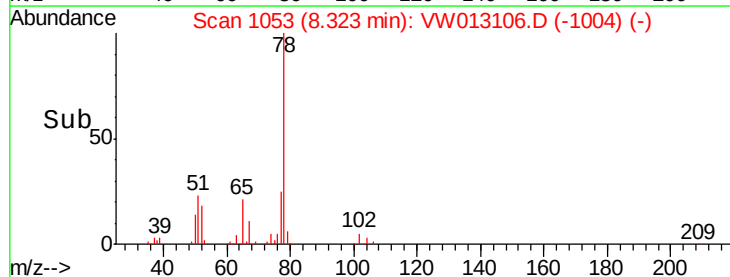
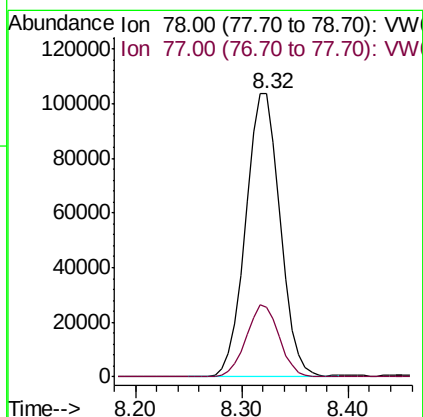
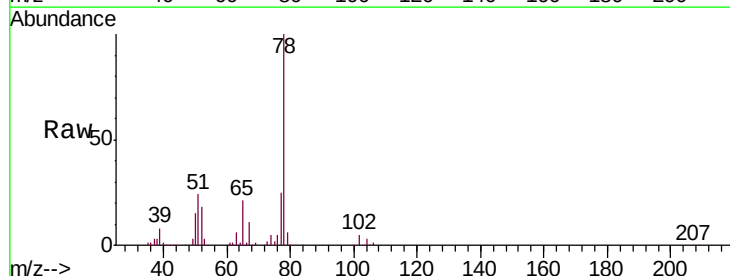
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

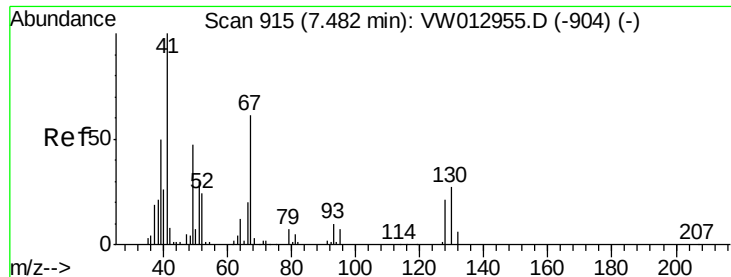
Tgt Ion: 83 Resp: 95192
Ion Ratio Lower Upper
83 100
55 75.5 65.9 98.9
98 44.9 39.6 59.4



#40
Benzene
Concen: 20.638 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 78 Resp: 235860
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

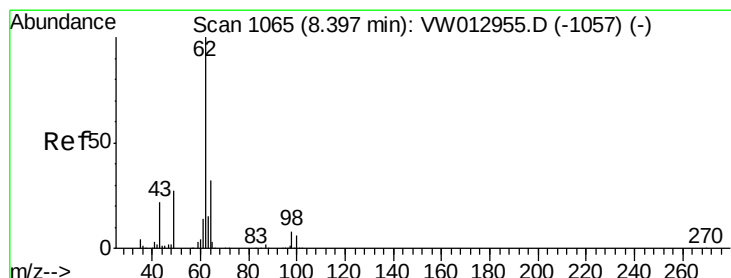
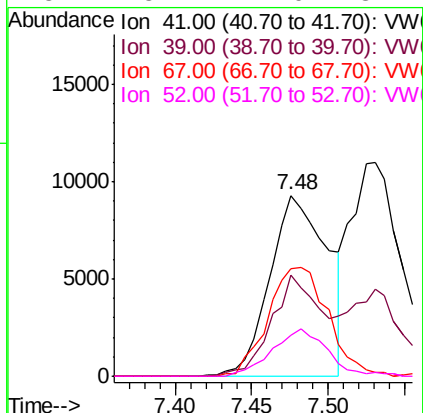
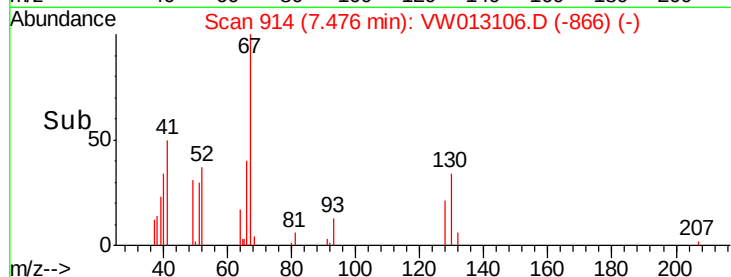
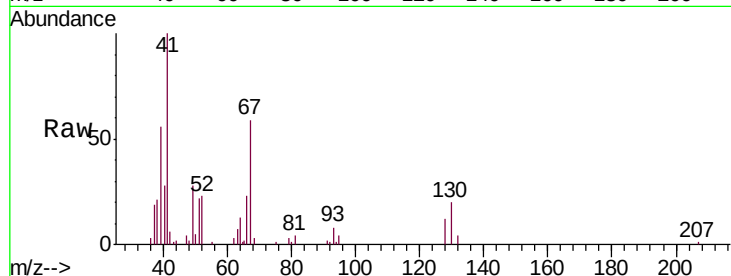




#41
Methacrylonitrile
Concen: 17.070 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

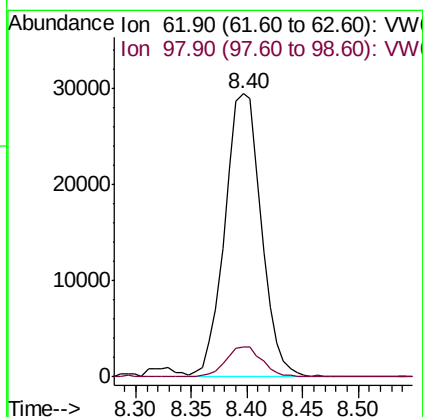
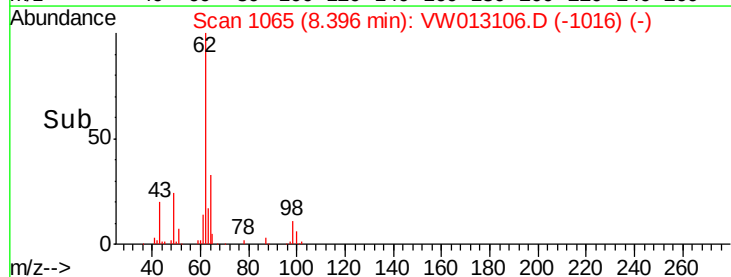
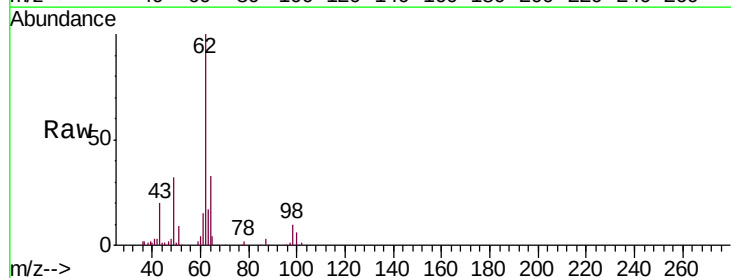
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

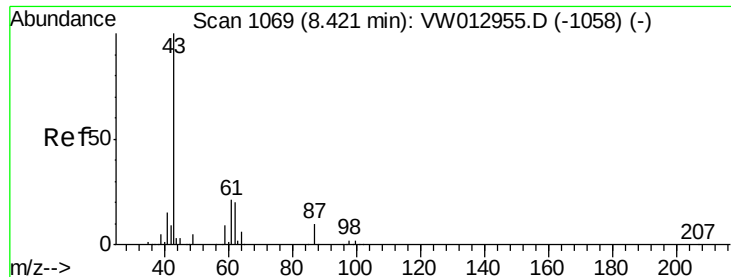
Tgt Ion: 41 Resp: 24426
Ion Ratio Lower Upper
41 100
39 46.3 48.2 72.4#
67 62.4 47.5 71.3
52 25.1 21.0 31.4



#42
1,2-Dichloroethane
Concen: 17.491 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 62 Resp: 67010
Ion Ratio Lower Upper
62 100
98 10.6 0.0 16.8





#43

Isopropyl Acetate

Concen: 16.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

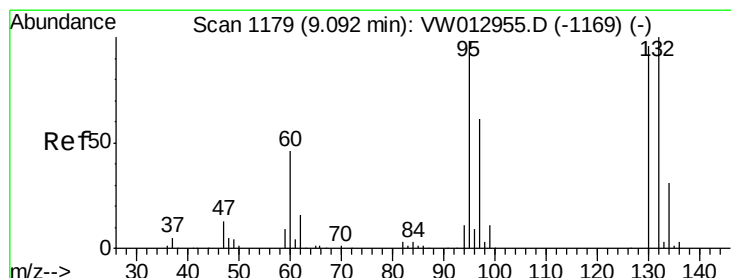
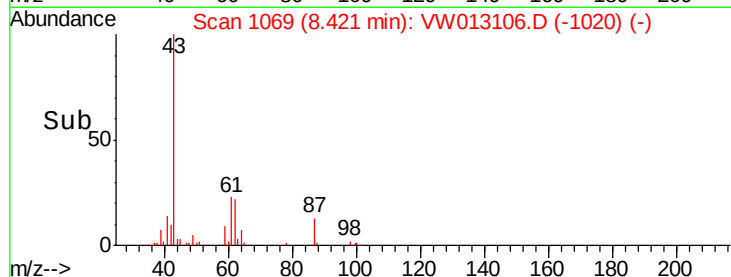
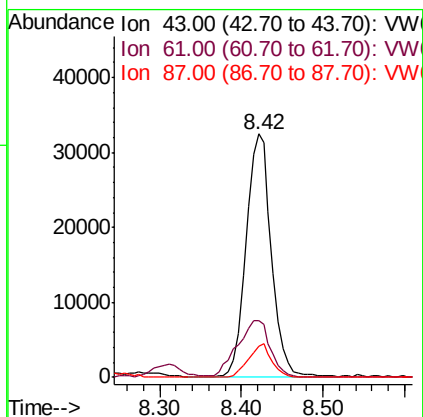
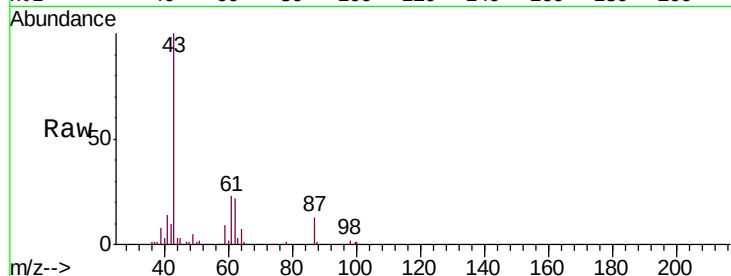
Tgt Ion: 43 Resp: 69853

Ion Ratio Lower Upper

43 100

61 30.5 22.7 34.1

87 12.7 9.4 14.2



#44

Trichloroethene

Concen: 21.252 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013106.D

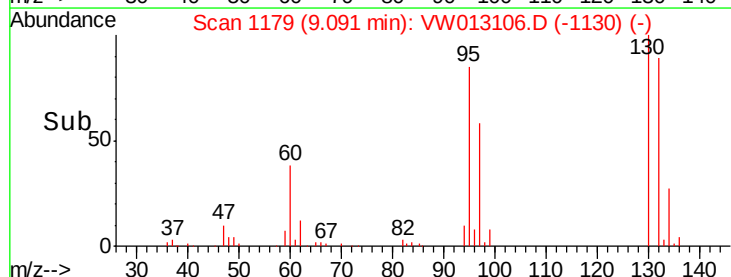
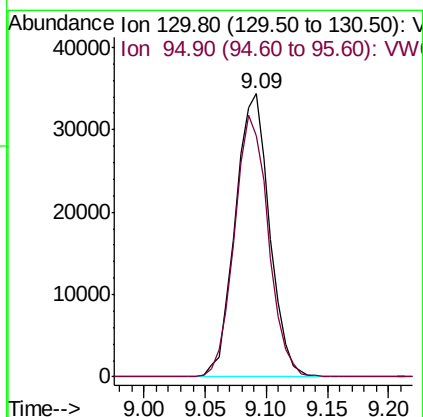
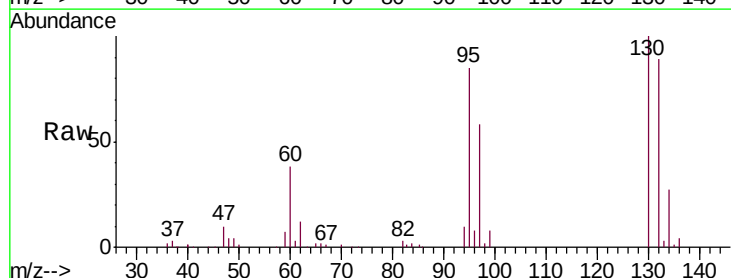
Acq: 18 Sep 2019 12:09

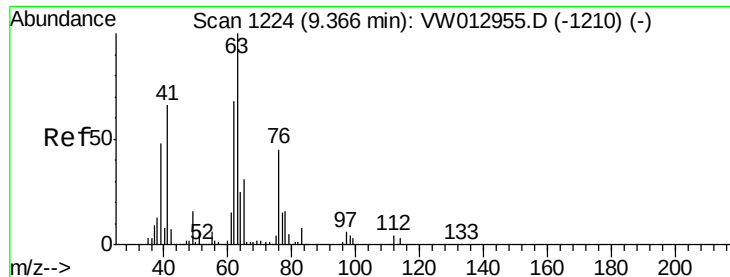
Tgt Ion: 130 Resp: 66526

Ion Ratio Lower Upper

130 100

95 85.1 0.0 204.4

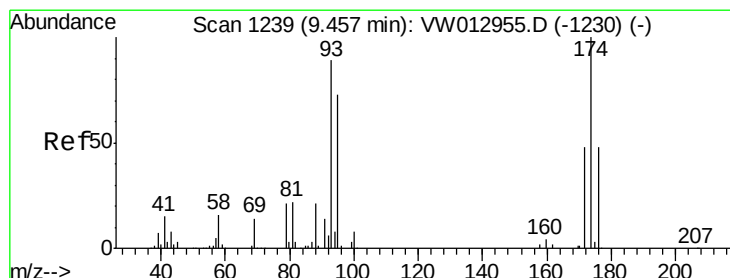
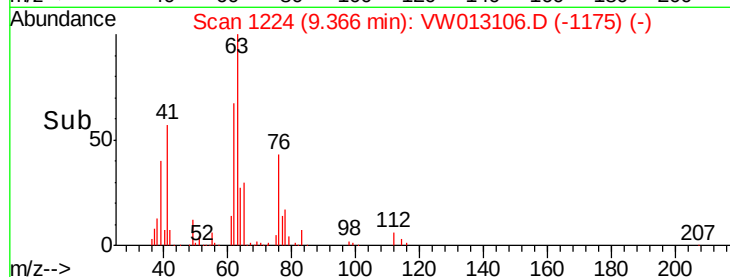
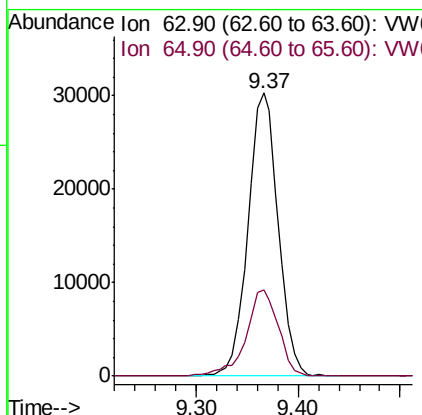
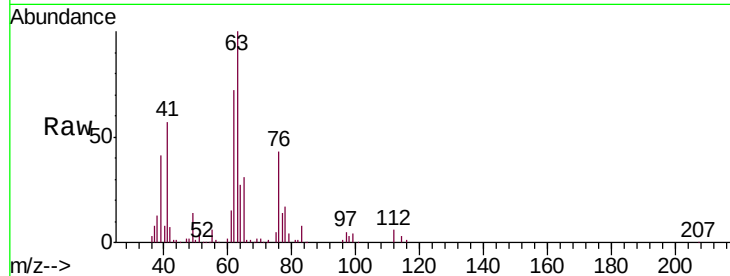




#45
 1,2-Dichloropropane
 Concen: 20.536 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

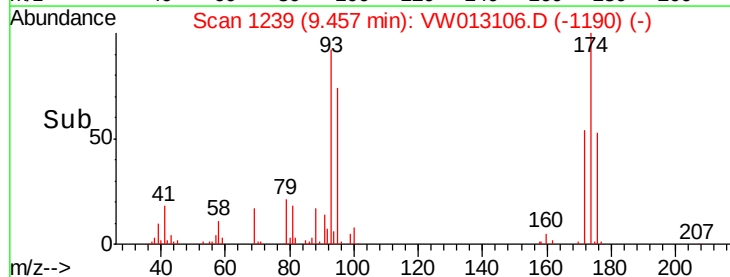
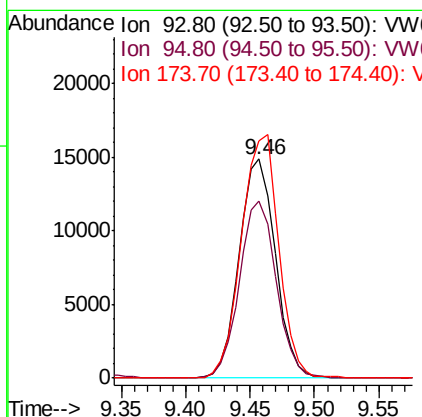
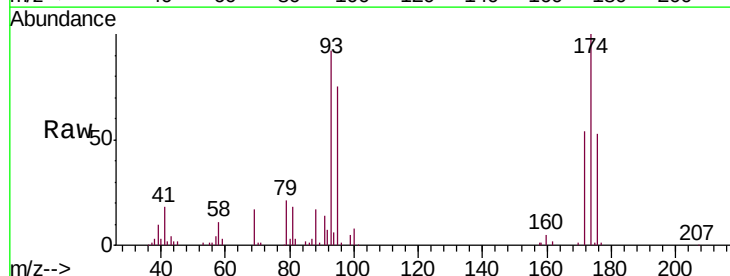
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

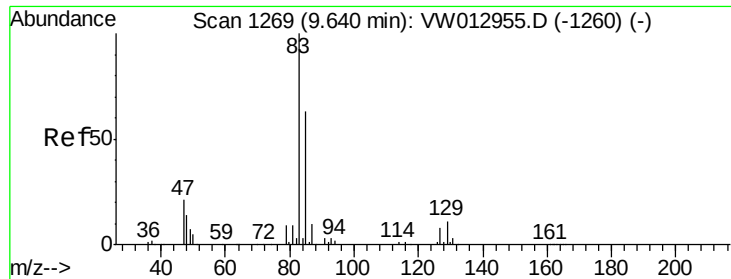
Tgt Ion: 63 Resp: 62354
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 19.935 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 93 Resp: 28999
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.4
 174 114.2 90.5 135.7

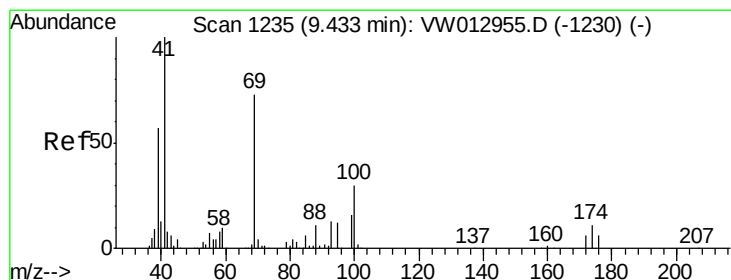
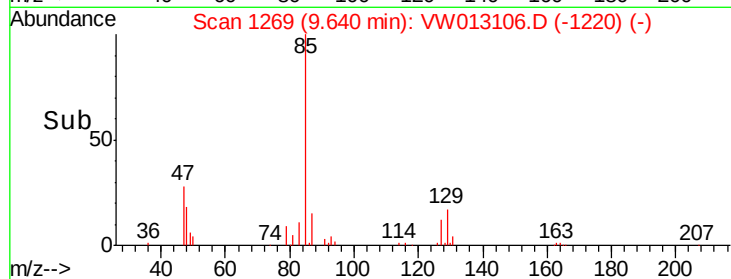
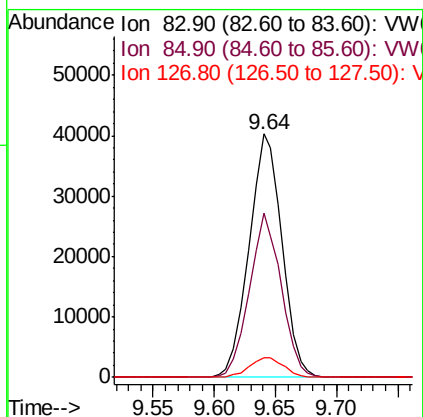
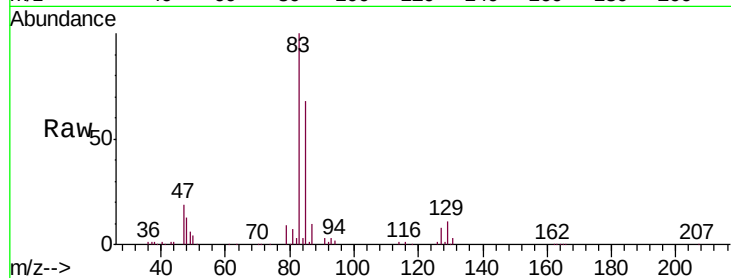




#47
 Bromodichloromethane
 Concen: 18.436 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

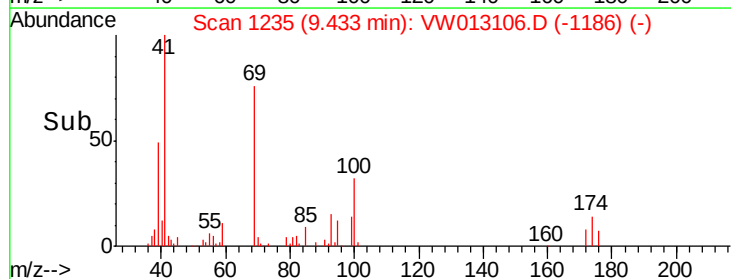
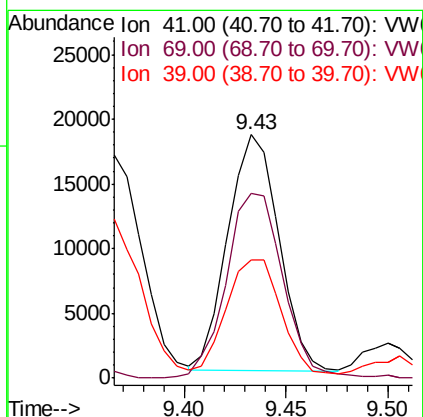
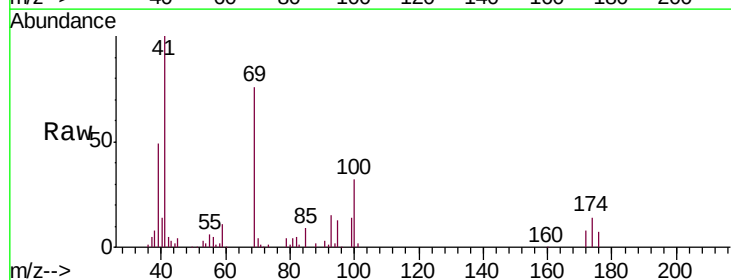
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

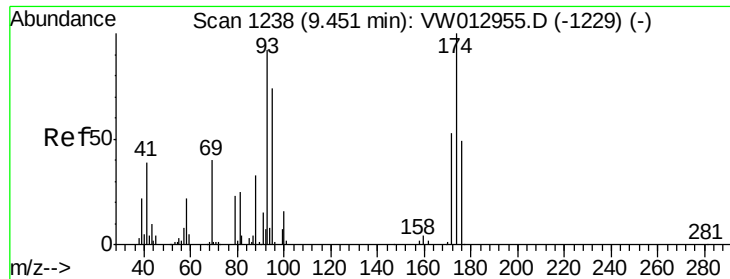
Tgt Ion: 83 Resp: 75226
 Ion Ratio Lower Upper
 83 100
 85 67.6 50.6 75.8
 127 8.0 6.7 10.1



#48
 Methyl methacrylate
 Concen: 16.172 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 41 Resp: 31665
 Ion Ratio Lower Upper
 41 100
 69 87.5 62.8 94.2
 39 50.8 48.5 72.7

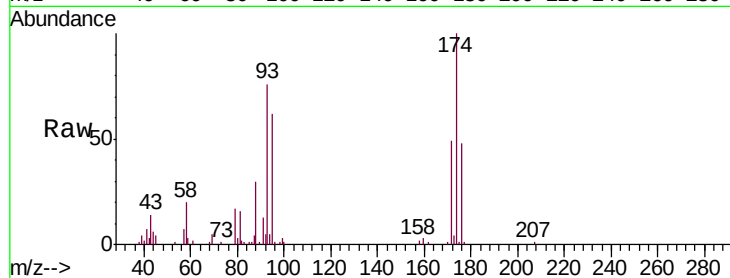




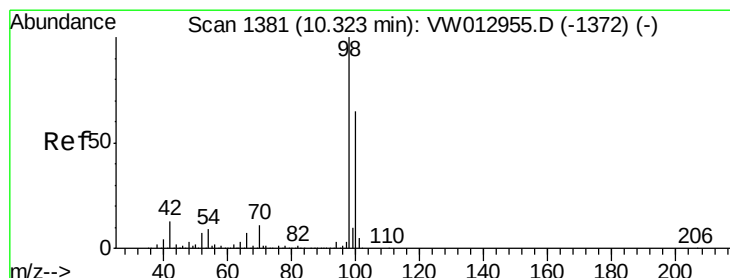
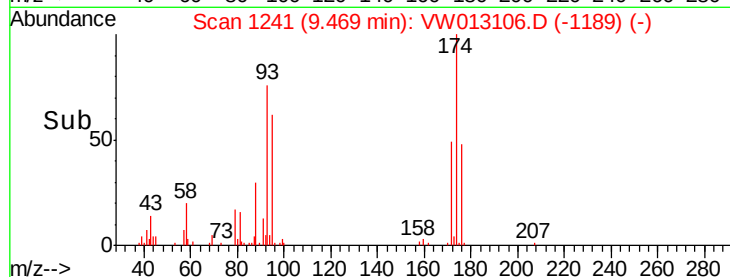
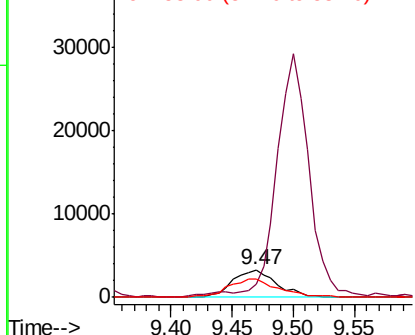
#49
1,4-Dioxane
Concen: 336.813 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

Tgt Ion: 88 Resp: 8210
Ion Ratio Lower Upper
88 100
43 0.0 31.3 46.9#
58 77.6 60.2 90.2

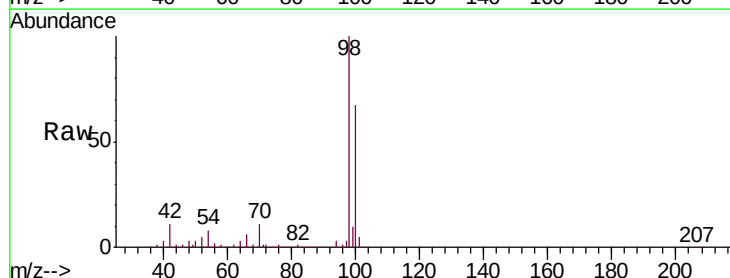


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

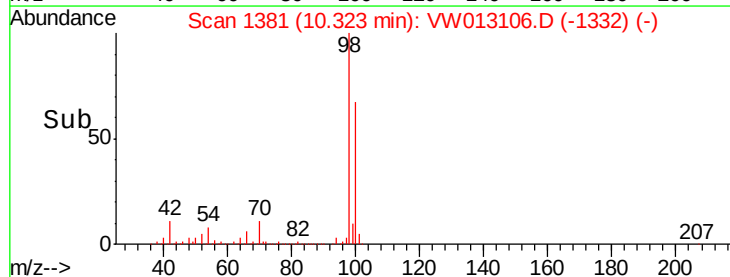
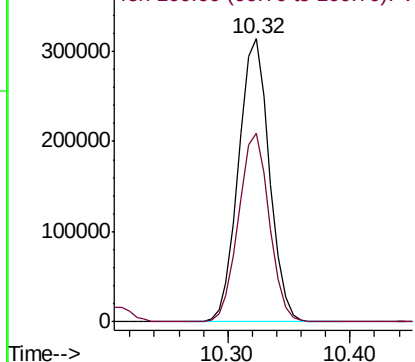


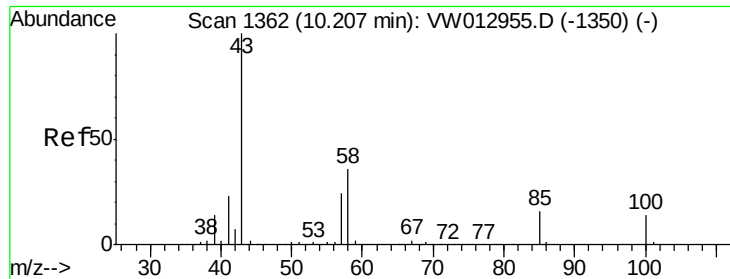
#50
Toluene-d8
Concen: 50.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 98 Resp: 548902
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



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

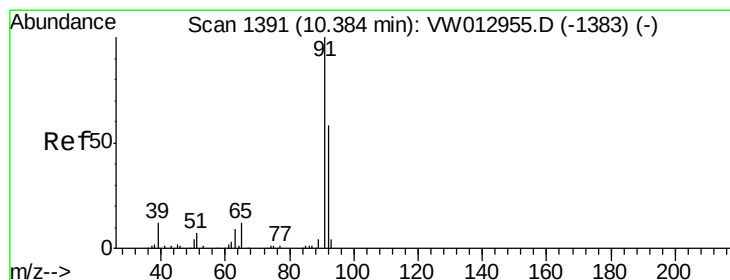
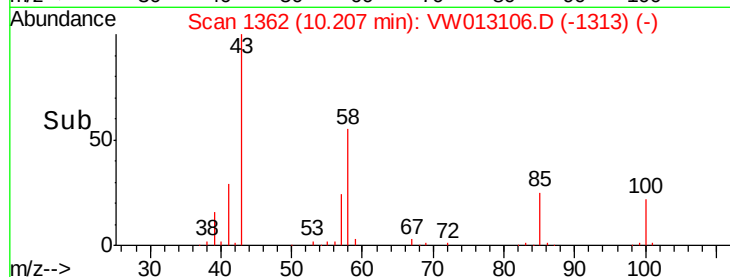
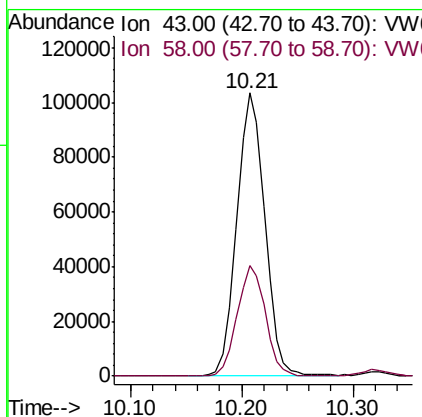
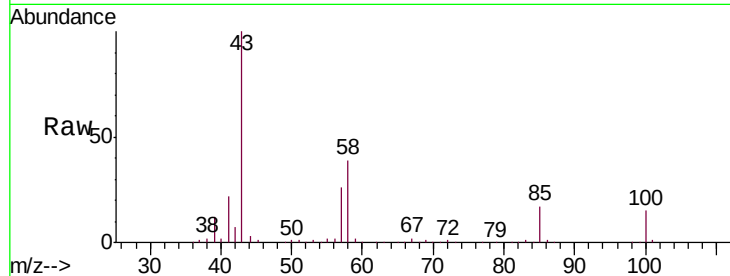




#51
 4-Methyl-2-Pentanone
 Concen: 83.605 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

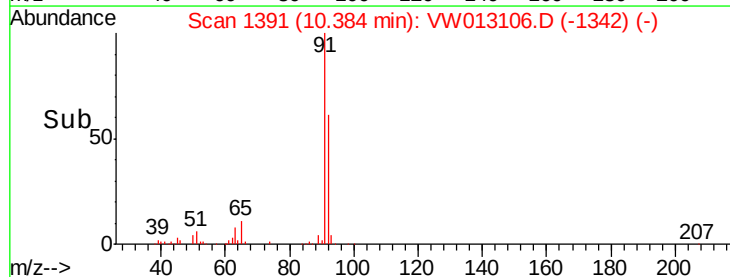
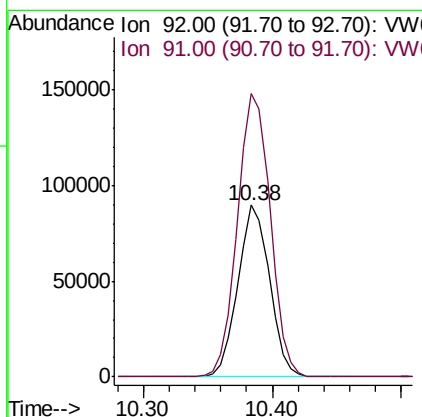
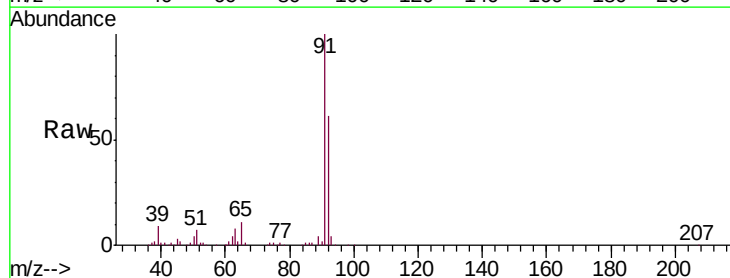
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

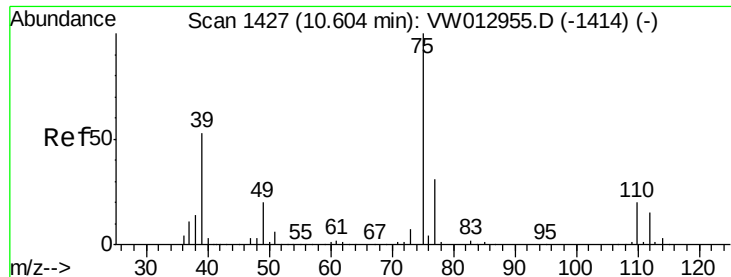
Tgt Ion: 43 Resp: 180082
 Ion Ratio Lower Upper
 43 100
 58 39.4 29.5 44.3



#52
 Toluene
 Concen: 21.027 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 92 Resp: 152700
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.073 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

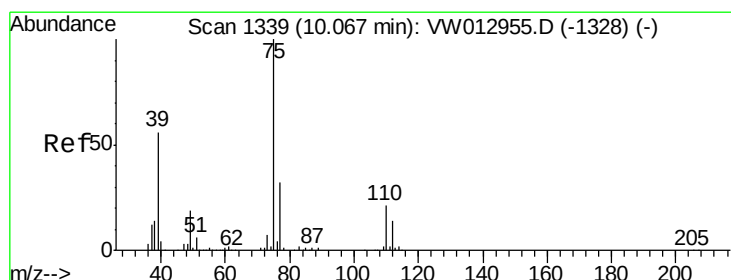
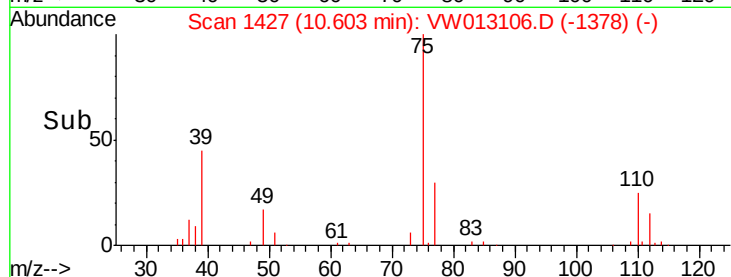
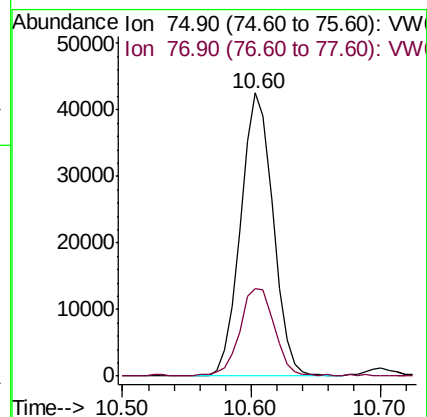
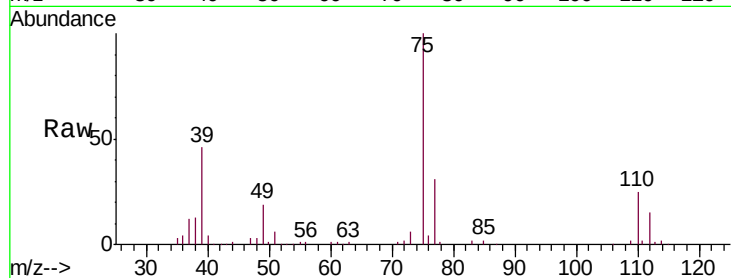
VW0918SBS01

Tgt Ion: 75 Resp: 74167

Ion Ratio Lower Upper

75 100

77 30.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.243 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

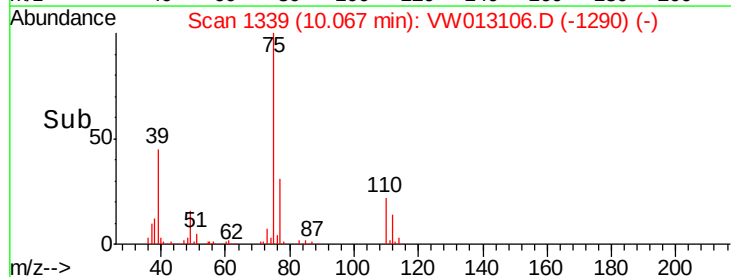
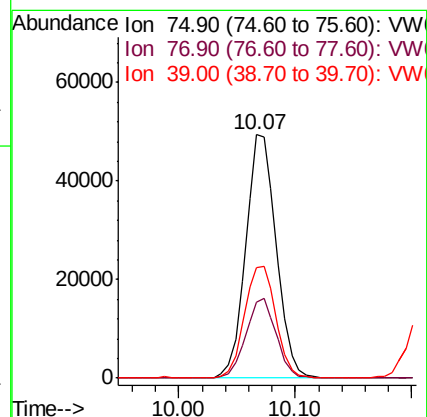
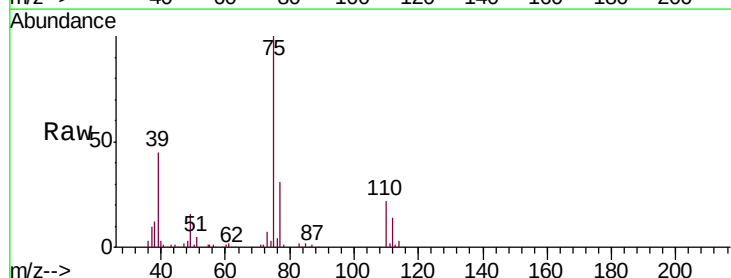
Tgt Ion: 75 Resp: 90355

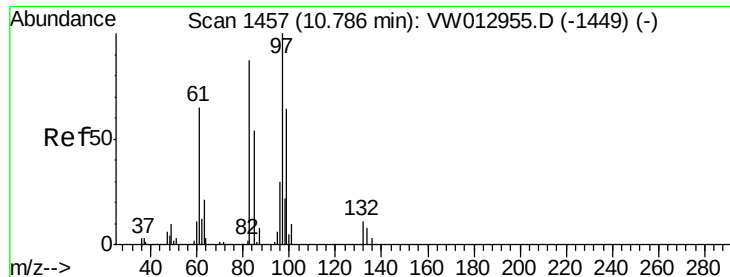
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 45.2 45.0 67.6

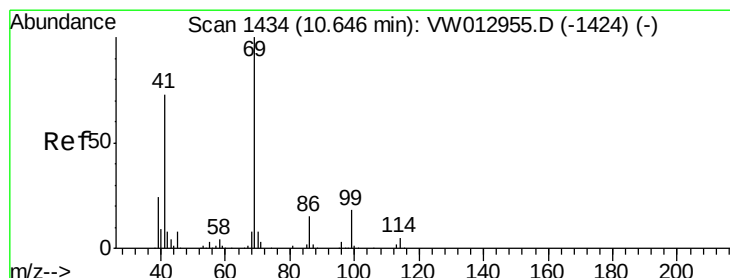
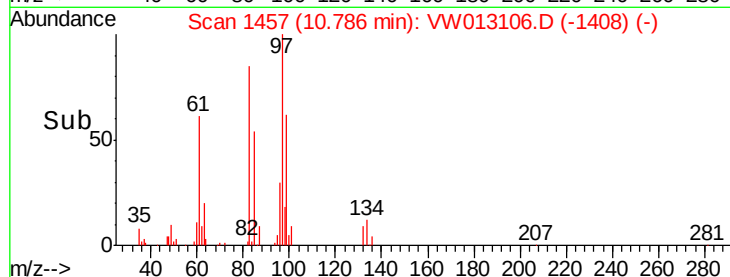
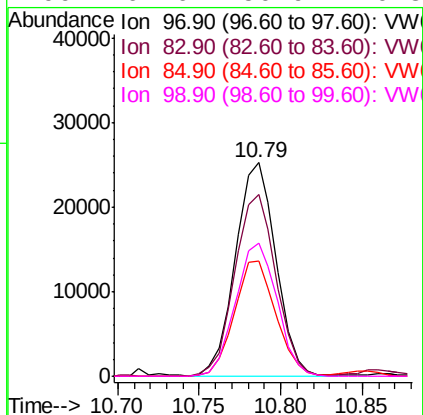
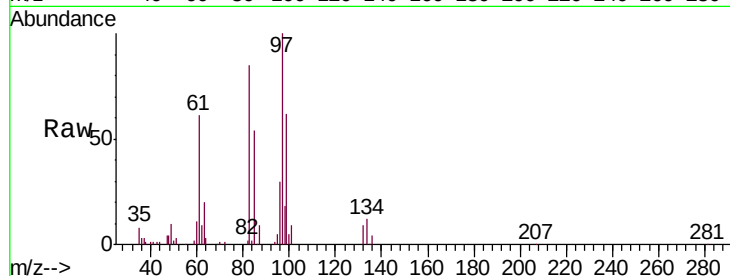




#55
 1,1,2-Trichloroethane
 Concen: 19.607 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

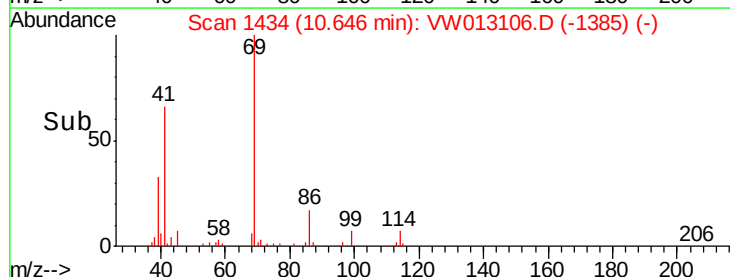
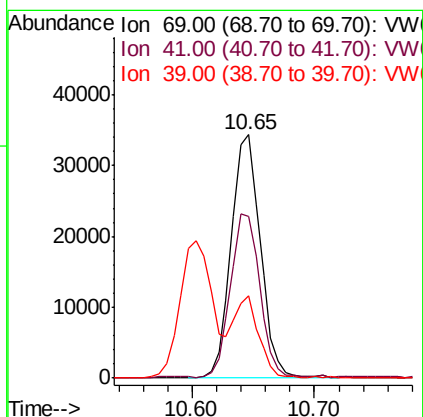
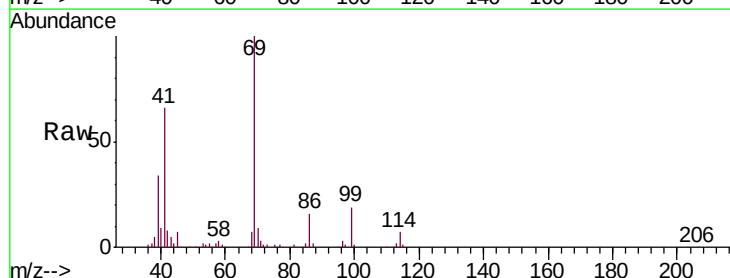
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

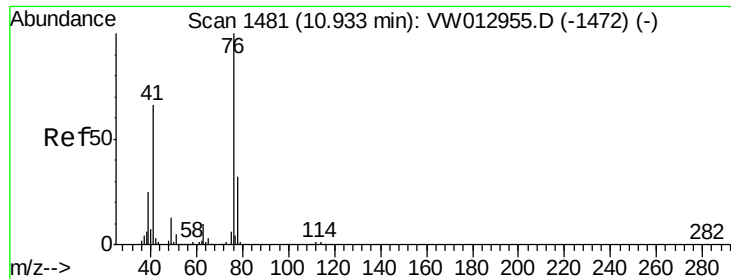
Tgt Ion:	97	Resp:	43452
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.4	104.0
85	53.9	43.3	64.9
99	62.6	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 19.048 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion:	69	Resp:	56819
Ion	Ratio	Lower	Upper
69	100		
41	66.8	60.8	91.2
39	27.8	29.4	44.0#

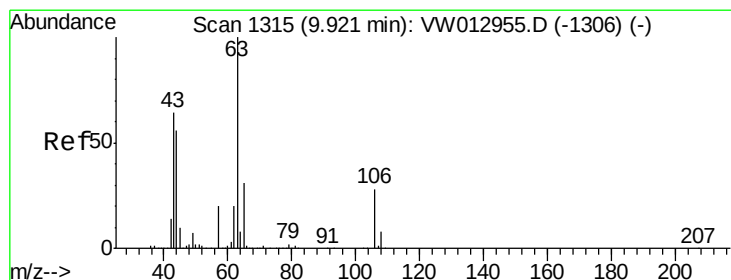
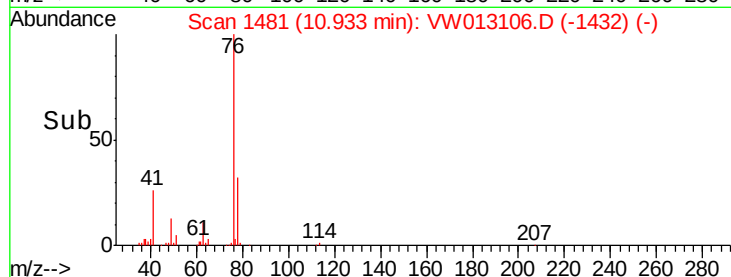
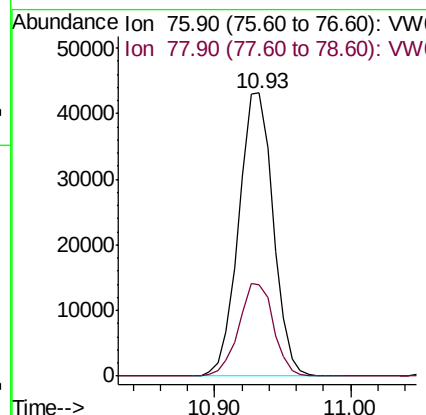
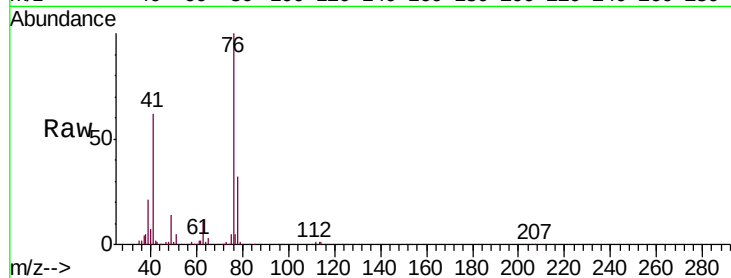




#57
 1,3-Dichloropropane
 Concen: 19.442 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

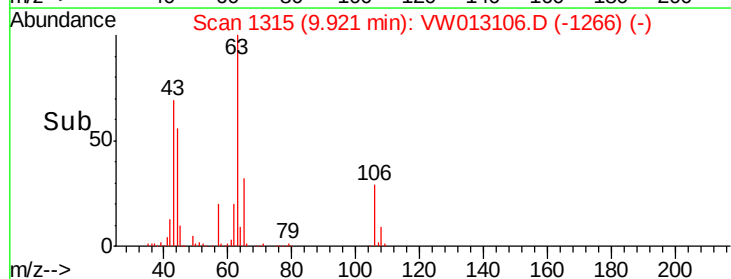
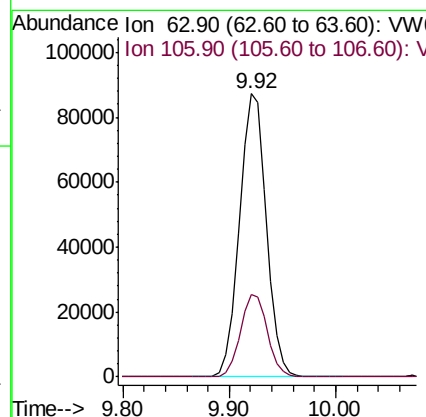
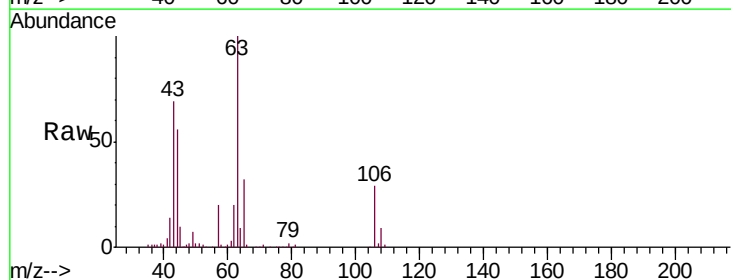
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

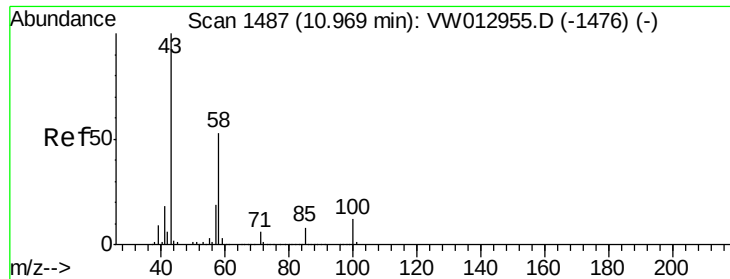
Tgt Ion: 76 Resp: 76429
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.670 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 63 Resp: 154685
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.2 33.2

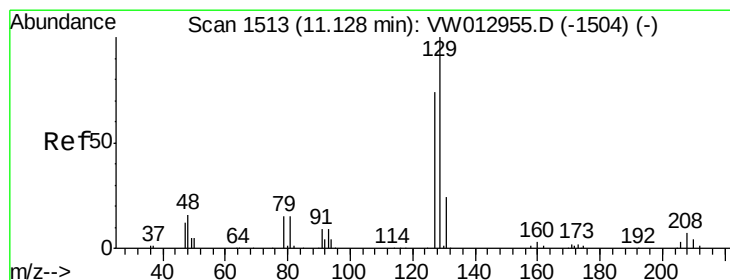
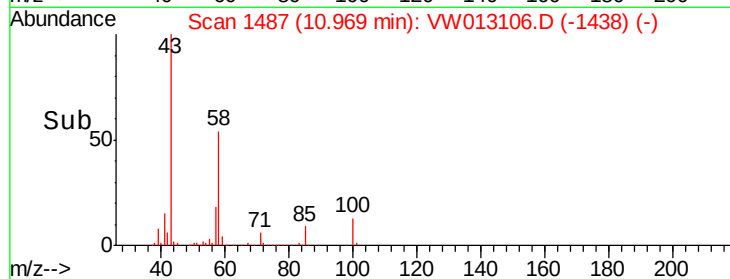
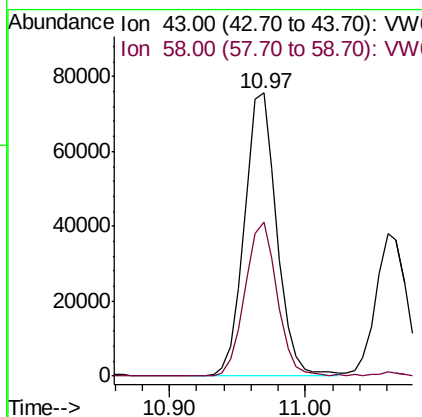
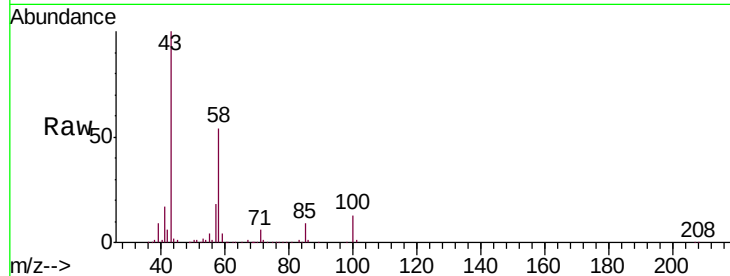




#59
2-Hexanone
Concen: 84.059 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

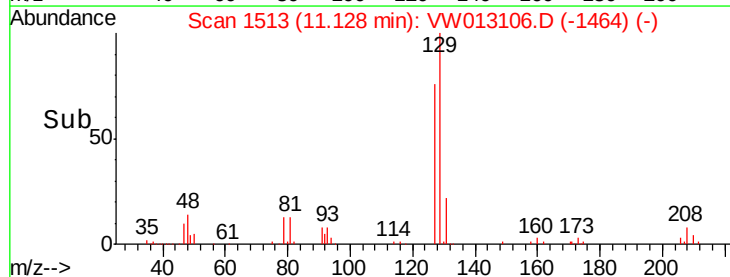
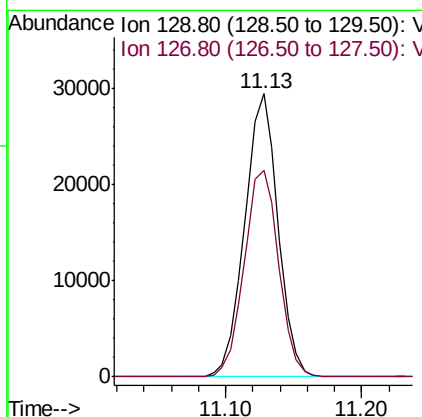
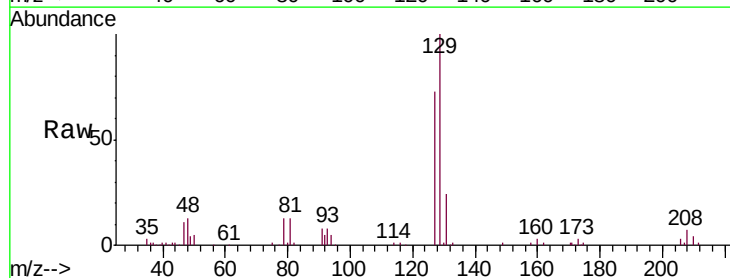
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

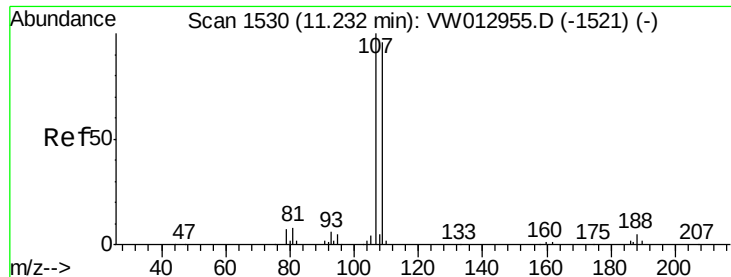
Tgt Ion: 43 Resp: 126073
Ion Ratio Lower Upper
43 100
58 54.0 25.8 77.3



#60
Dibromochloromethane
Concen: 18.834 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion: 129 Resp: 50460
Ion Ratio Lower Upper
129 100
127 75.8 37.4 112.2

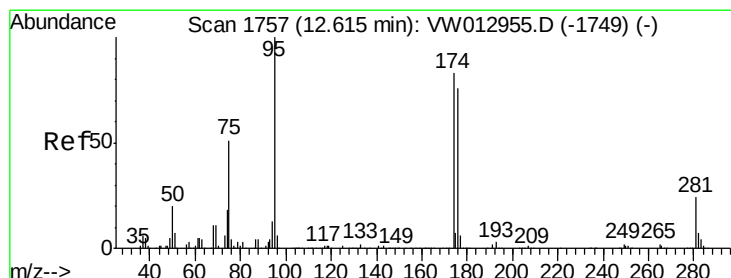
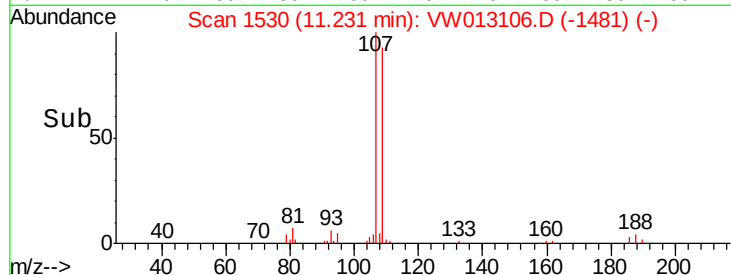
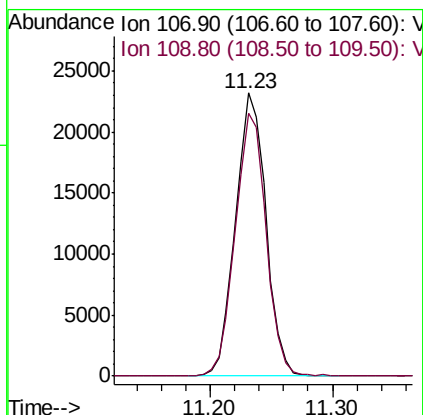
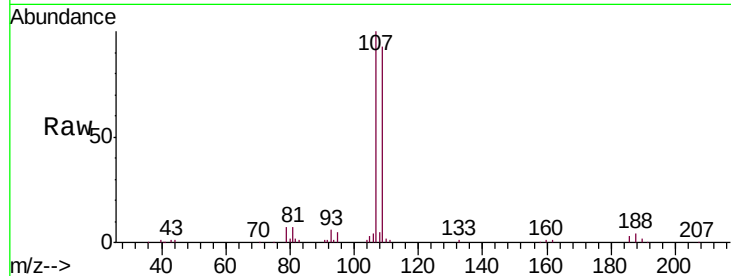




#61
 1,2-Dibromoethane
 Concen: 19.754 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

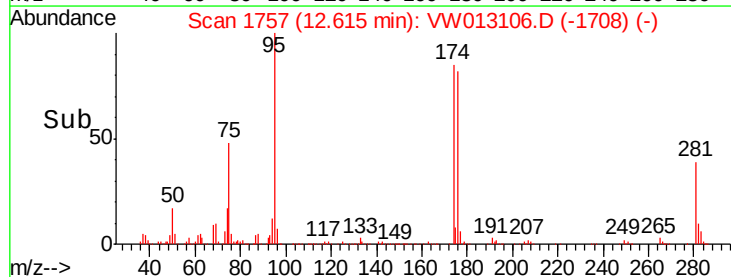
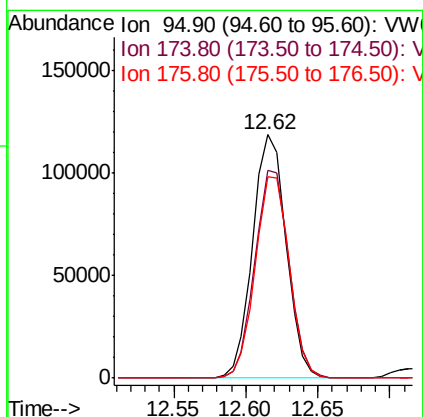
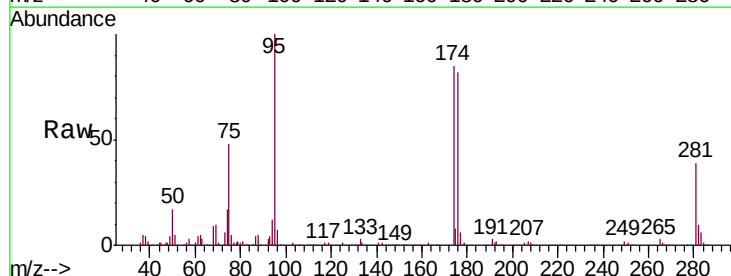
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

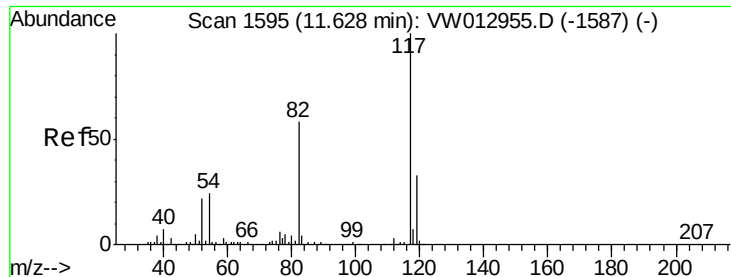
Tgt Ion: 107 Resp: 39935
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.624 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 95 Resp: 190190
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 170.4
 176 84.3 0.0 164.6

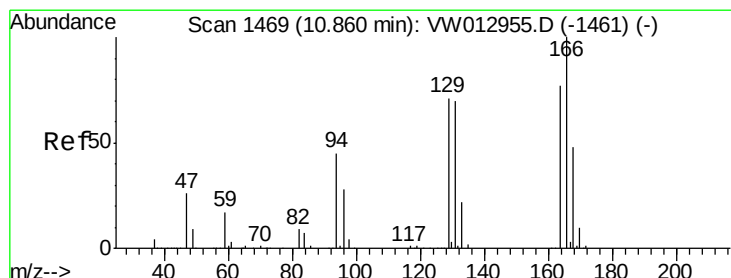
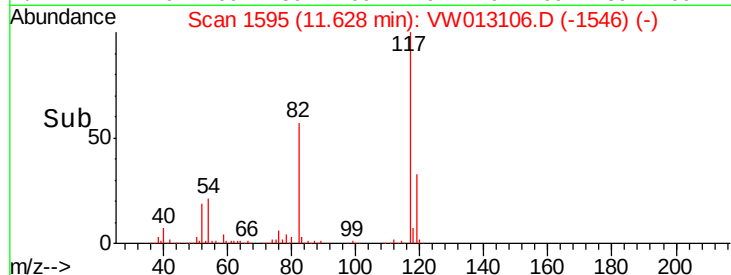
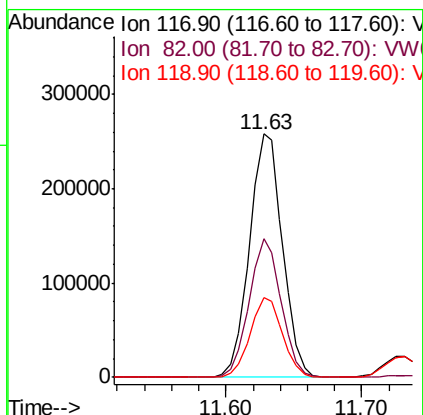
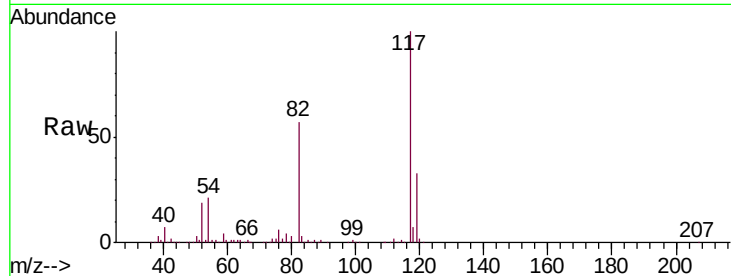




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

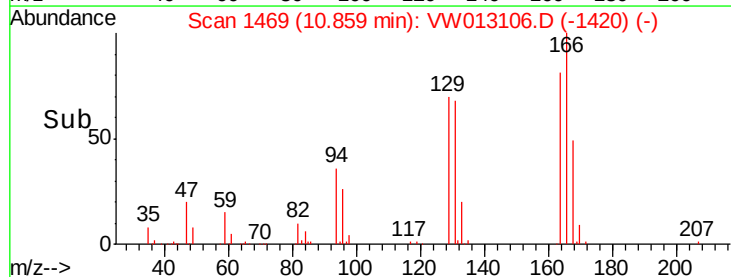
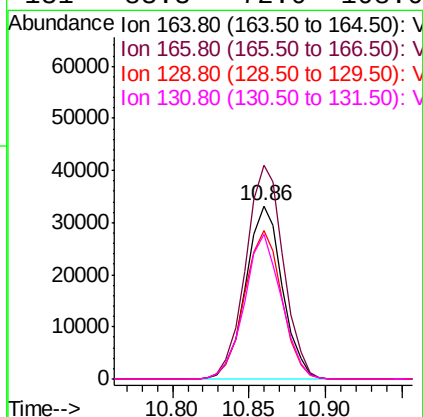
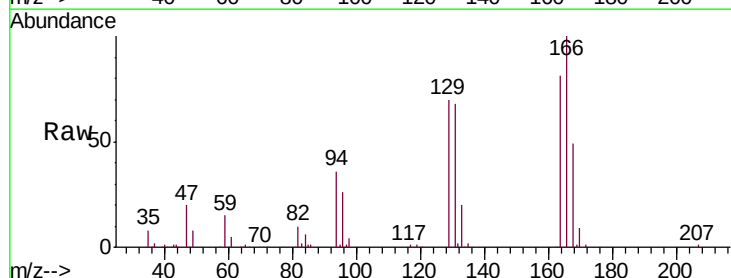
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

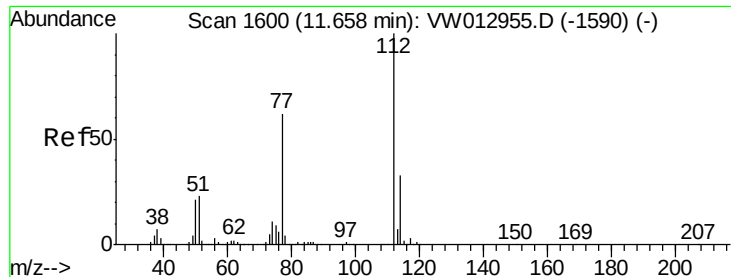
Tgt Ion:117 Resp: 439348
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 21.172 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion:164 Resp: 55336
Ion Ratio Lower Upper
164 100
166 123.3 103.3 154.9
129 86.1 73.8 110.8
131 83.3 72.0 108.0

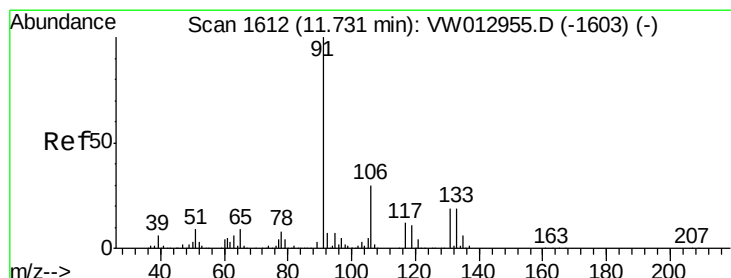
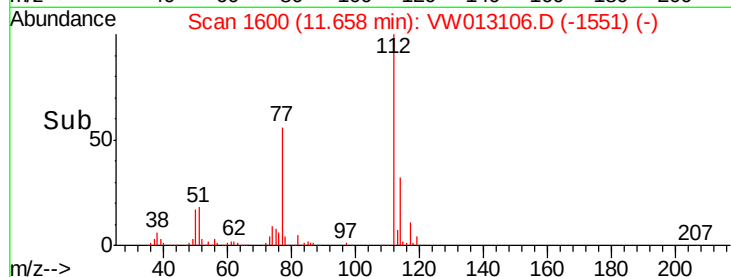
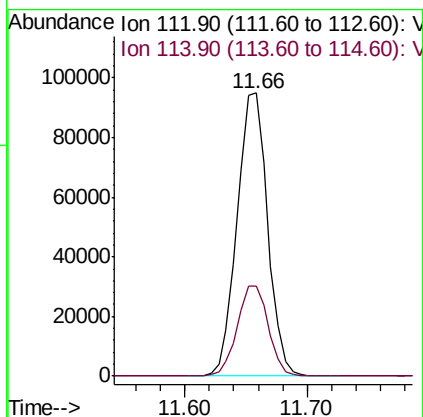
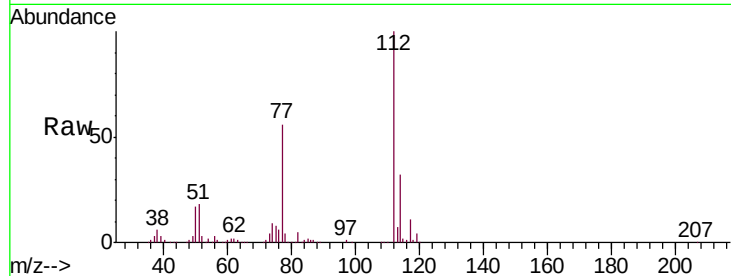




#65
Chlorobenzene
Concen: 20.921 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

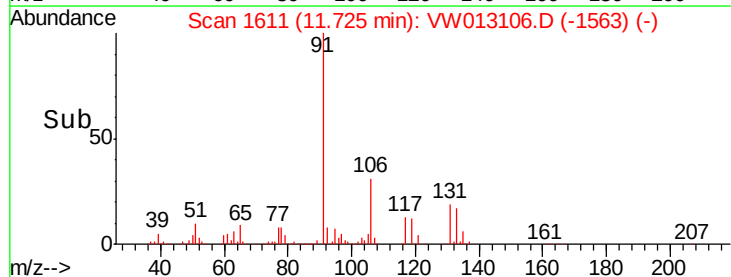
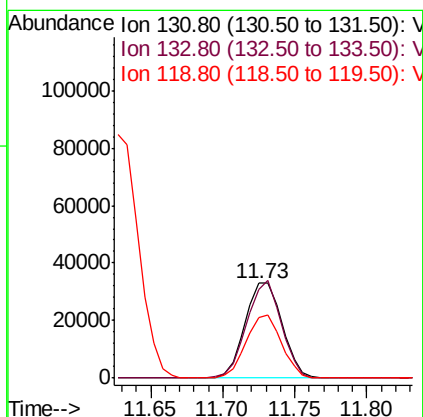
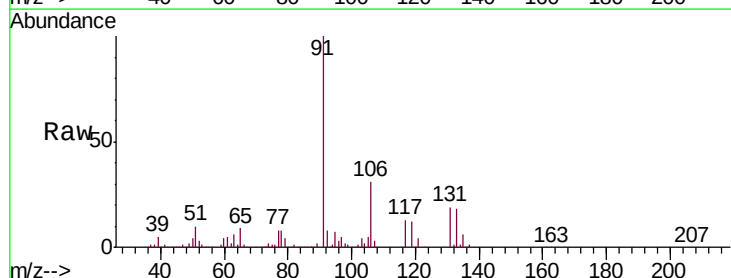
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

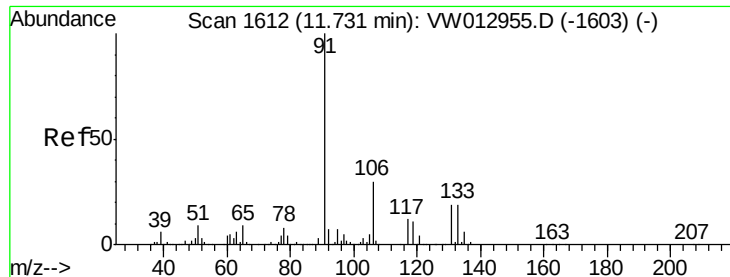
Tgt Ion:112 Resp: 163724
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.723 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion:131 Resp: 59149
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 63.5 30.9 92.7





#67

Ethyl Benzene

Concen: 20.758 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

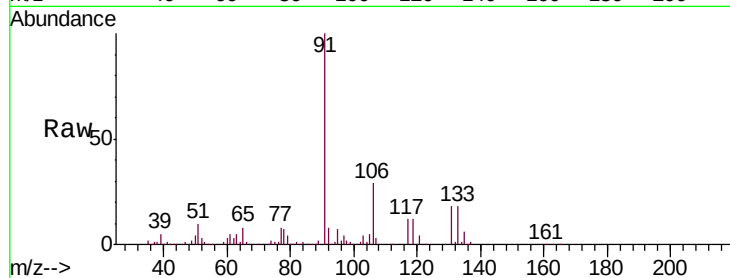
VW0918SBS01

Tgt Ion: 91 Resp: 300024

Ion Ratio Lower Upper

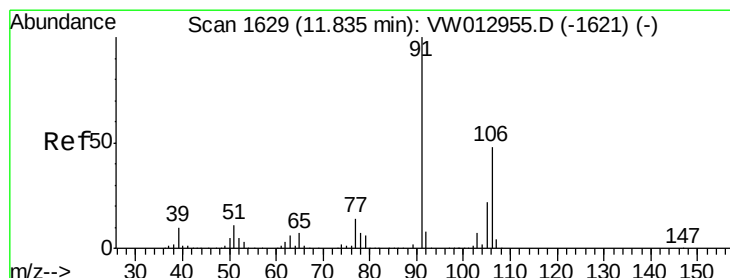
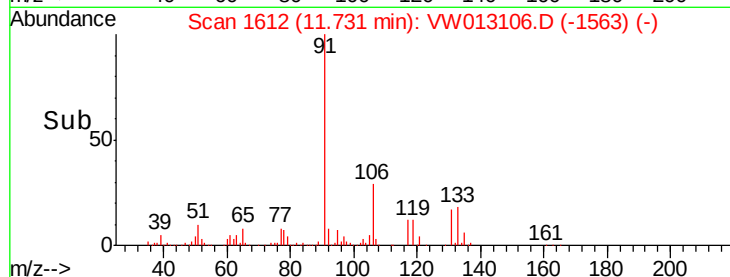
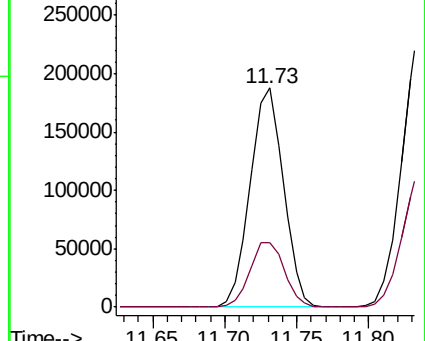
91 100

106 29.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.830 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013106.D

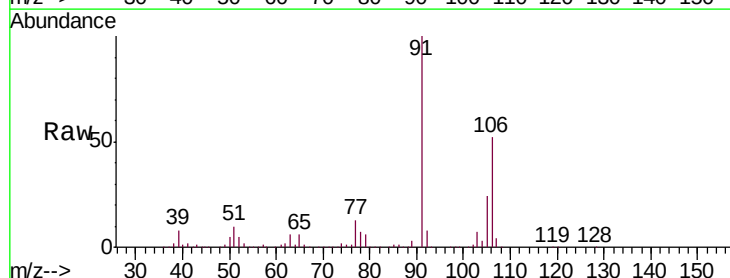
Acq: 18 Sep 2019 12:09

Tgt Ion: 106 Resp: 226140

Ion Ratio Lower Upper

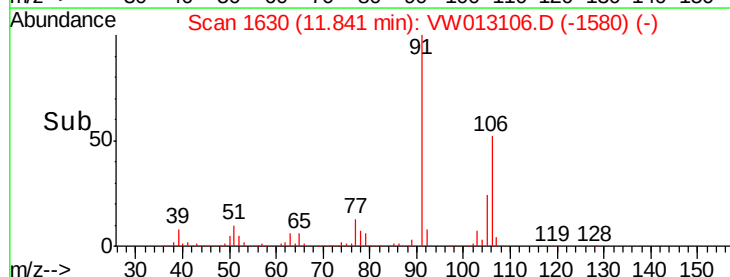
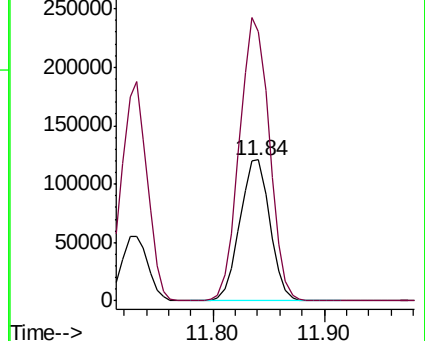
106 100

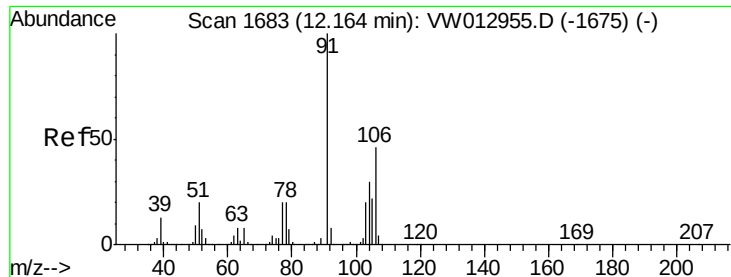
91 199.9 165.8 248.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

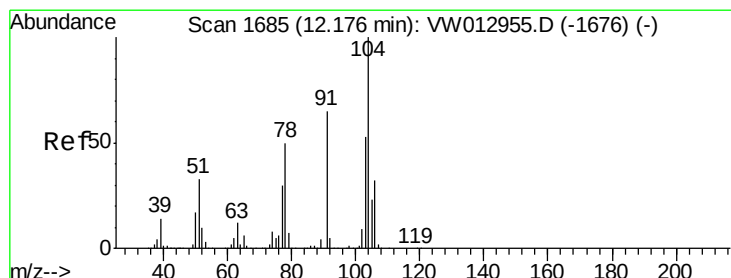
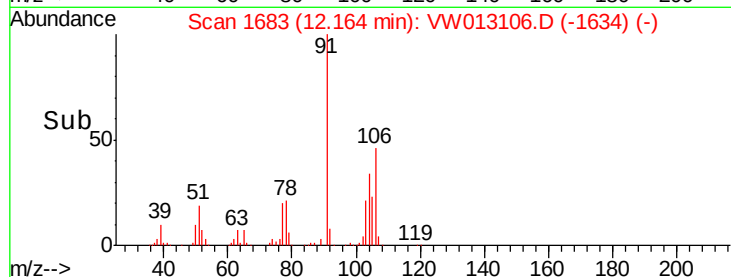
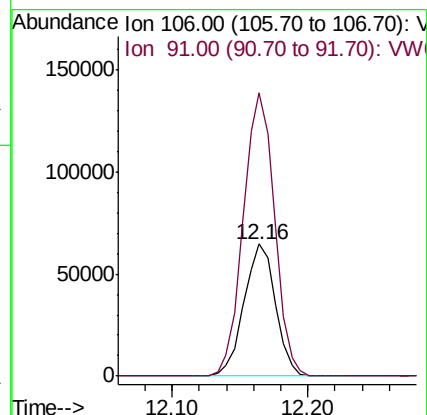
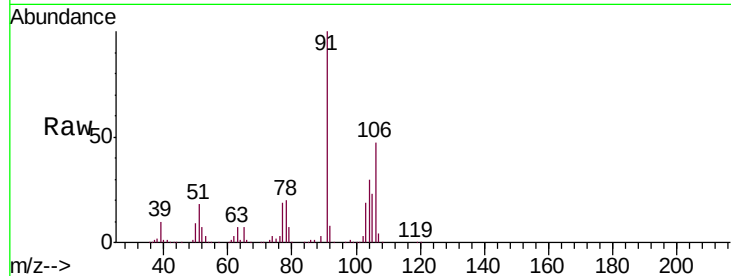




#69
o-Xylene
Concen: 21.161 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

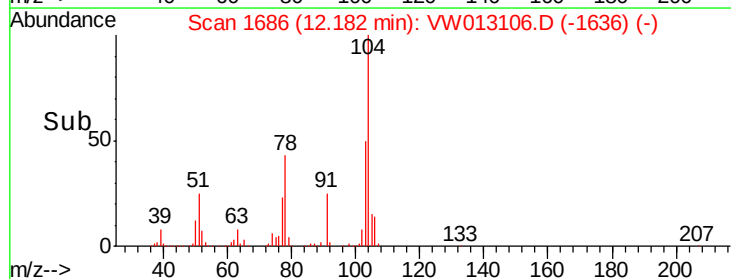
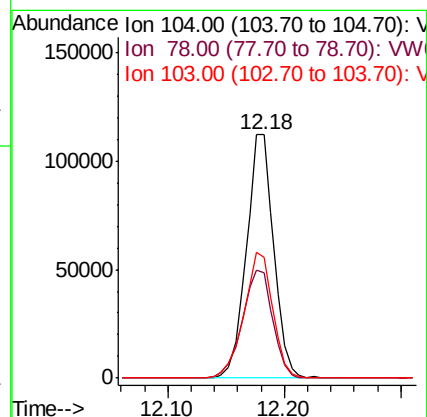
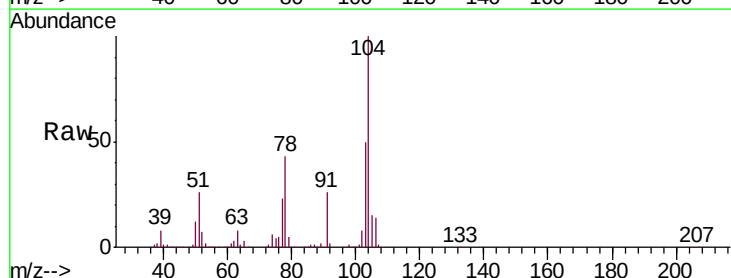
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

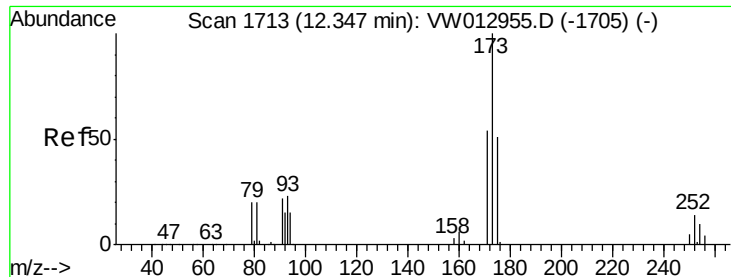
Tgt Ion:106 Resp: 104751
Ion Ratio Lower Upper
106 100
91 212.6 109.7 329.0



#70
Styrene
Concen: 20.881 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion:104 Resp: 183868
Ion Ratio Lower Upper
104 100
78 49.1 42.1 63.1
103 54.5 44.2 66.4





#71

Bromoform

Concen: 18.606 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

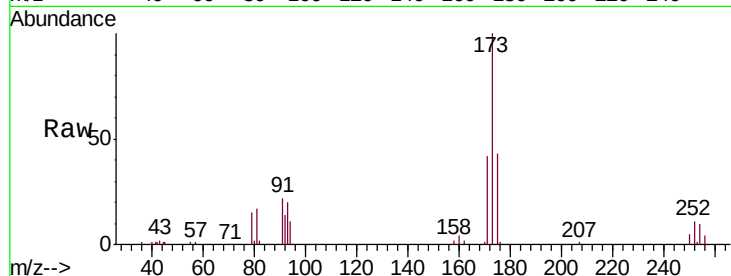
Tgt Ion:173 Resp: 29310

Ion Ratio Lower Upper

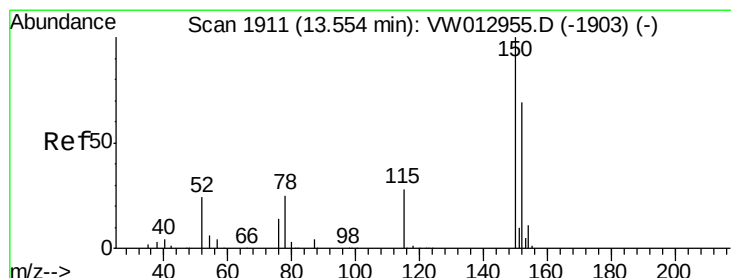
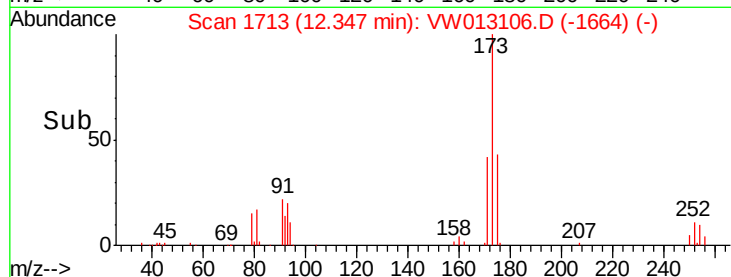
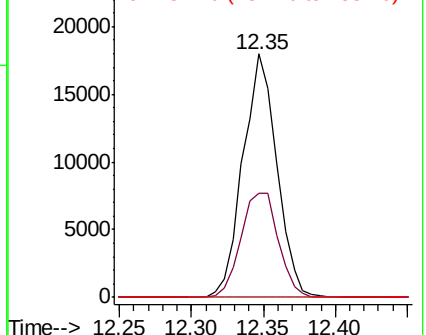
173 100

175 47.5 24.2 72.6

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

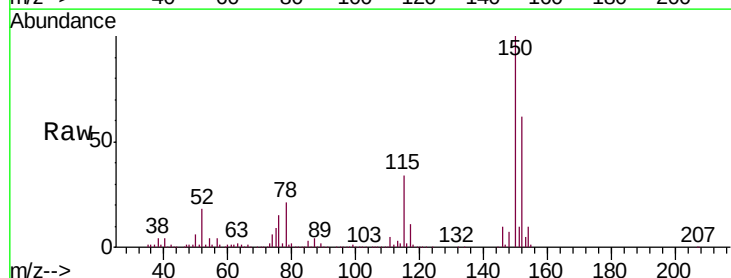
Tgt Ion:152 Resp: 221623

Ion Ratio Lower Upper

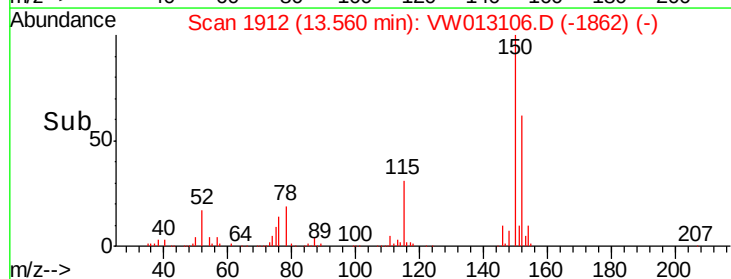
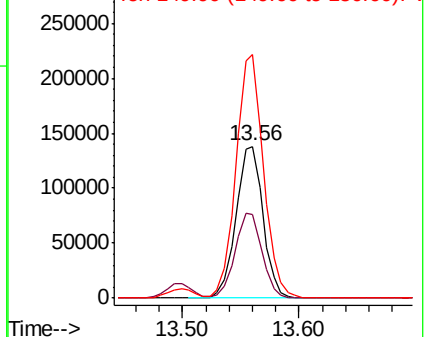
152 100

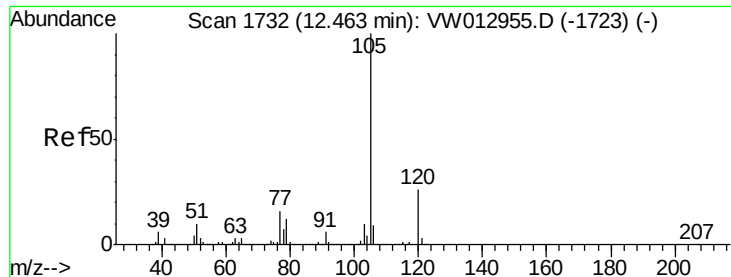
115 56.1 28.8 86.4

150 164.2 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.318 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

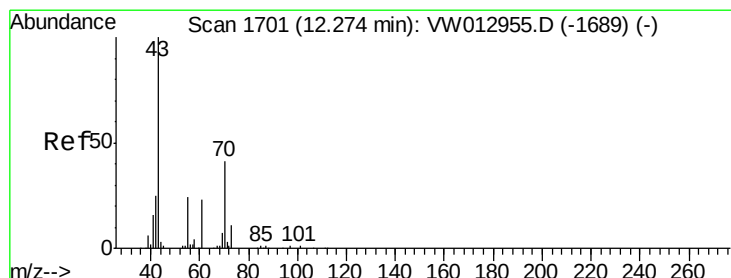
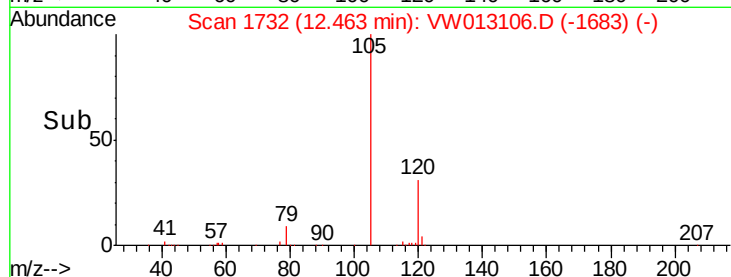
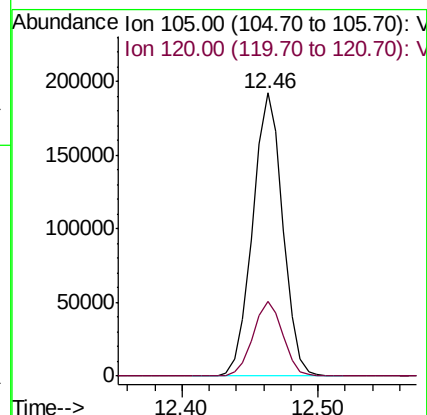
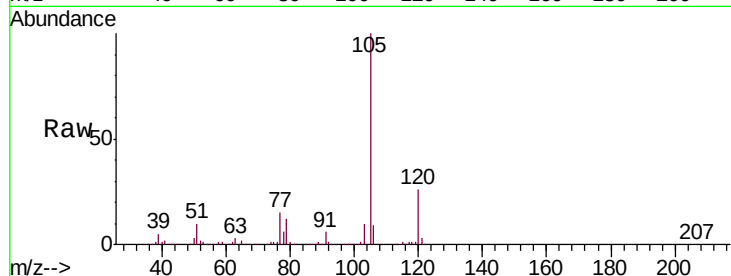
VW0918SBS01

Tgt Ion: 105 Resp: 298468

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 17.116 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Tgt Ion: 43 Resp: 64677

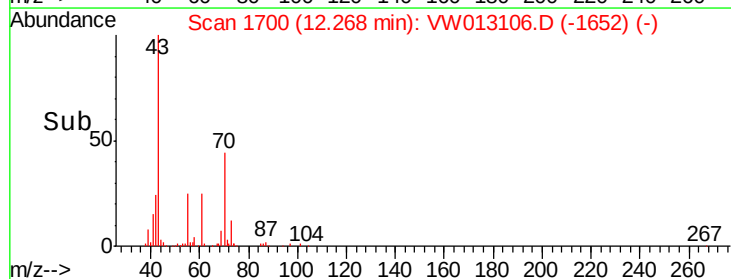
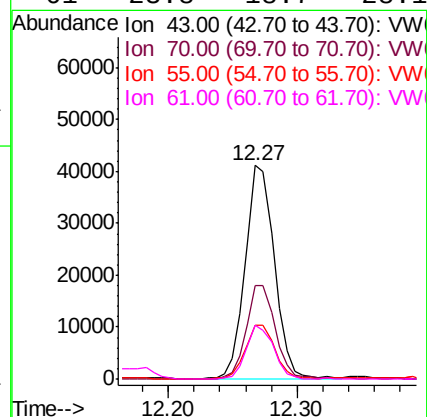
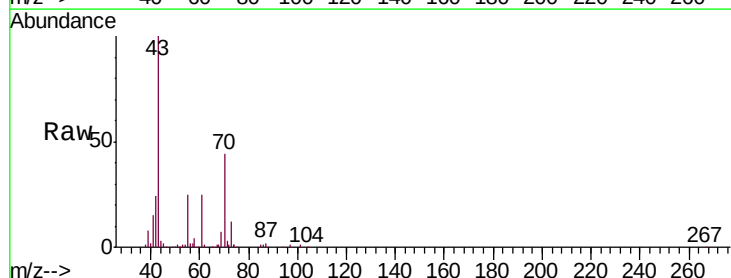
Ion Ratio Lower Upper

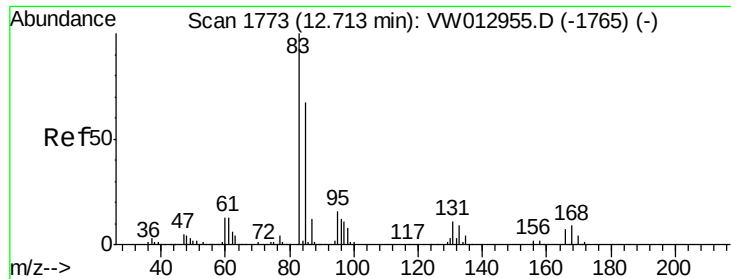
43 100

70 43.4 31.7 47.5

55 25.7 19.4 29.2

61 23.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.879 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampled :

VW0918SBS01

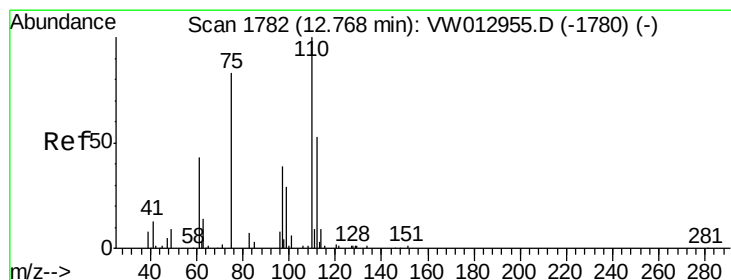
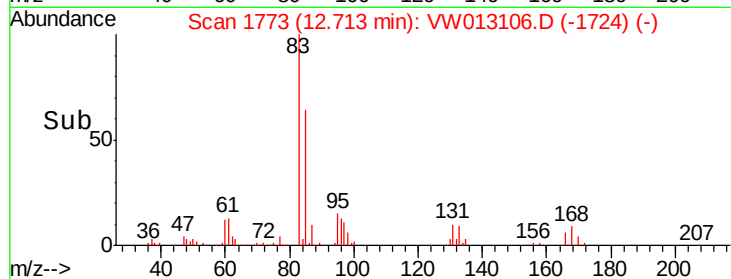
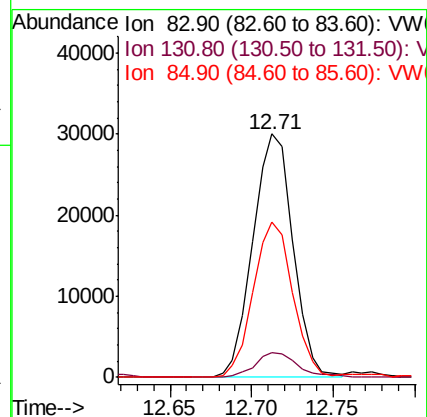
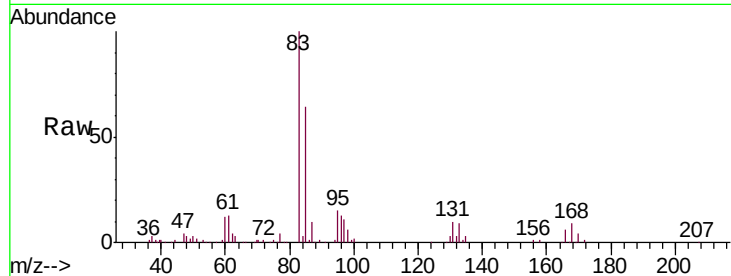
Tgt Ion: 83 Resp: 51288

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

85 62.5 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 32.253 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013106.D

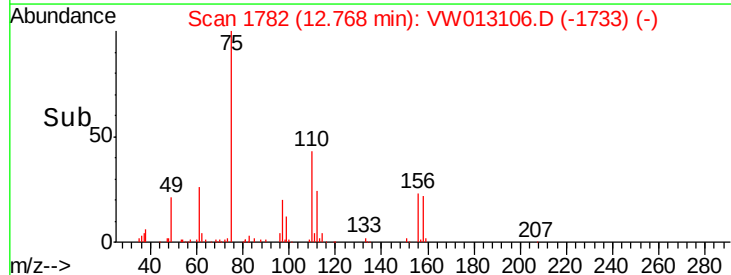
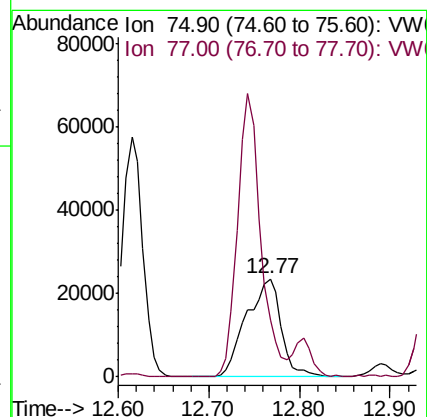
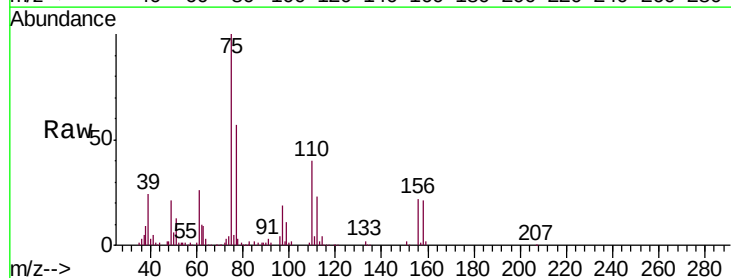
Acq: 18 Sep 2019 12:09

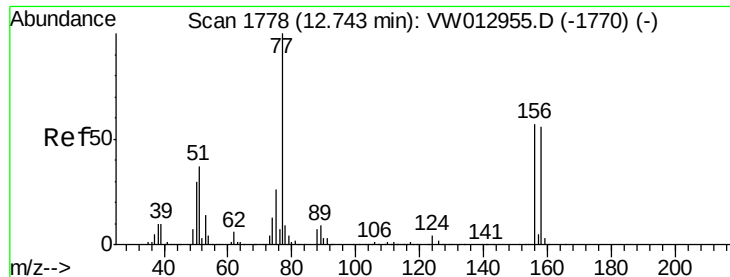
Tgt Ion: 75 Resp: 62610

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.423 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

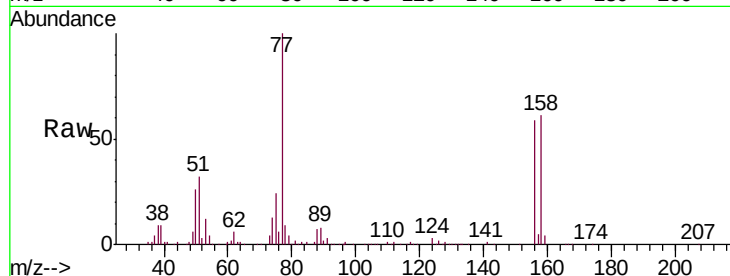
Tgt Ion:156 Resp: 69115

Ion Ratio Lower Upper

156 100

77 176.4 95.2 285.6

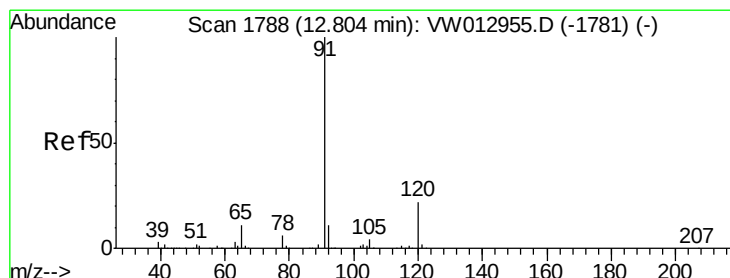
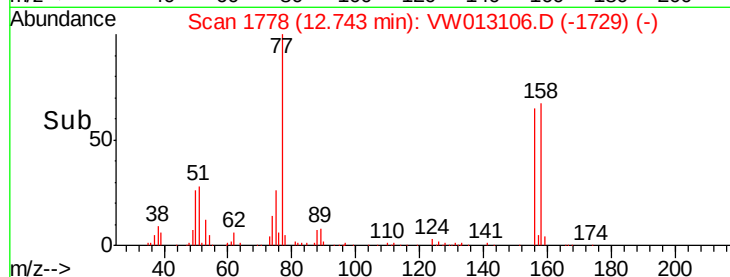
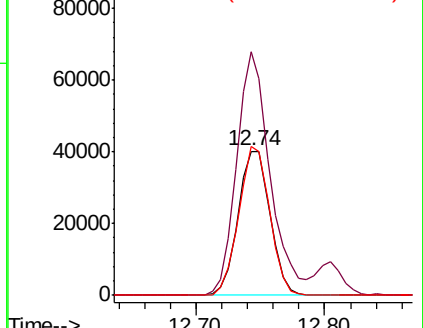
158 98.7 49.0 147.2



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: 20.486 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013106.D

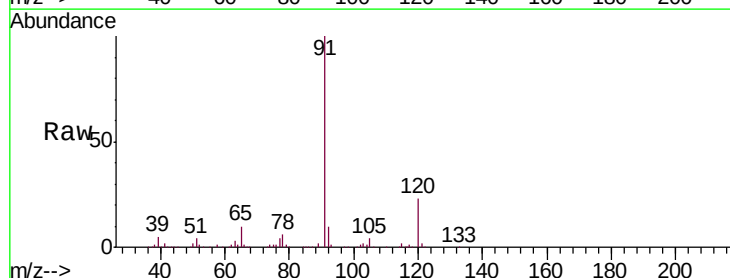
Acq: 18 Sep 2019 12:09

Tgt Ion: 91 Resp: 353993

Ion Ratio Lower Upper

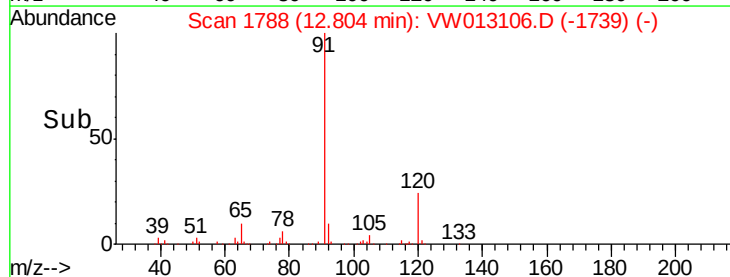
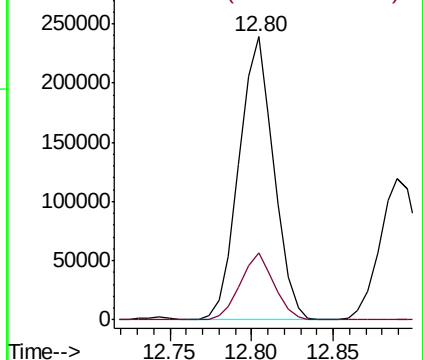
91 100

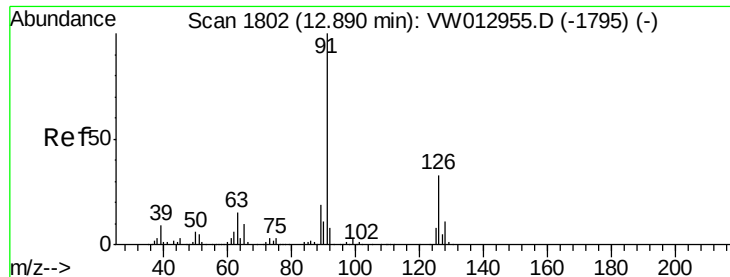
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.774 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

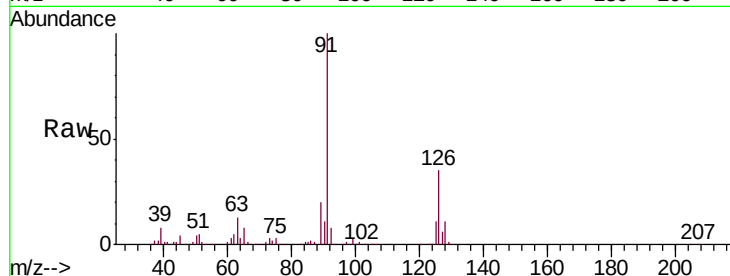
VW0918SBS01

Tgt Ion: 91 Resp: 196421

Ion Ratio Lower Upper

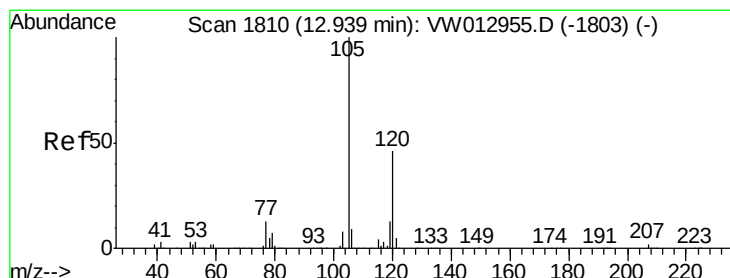
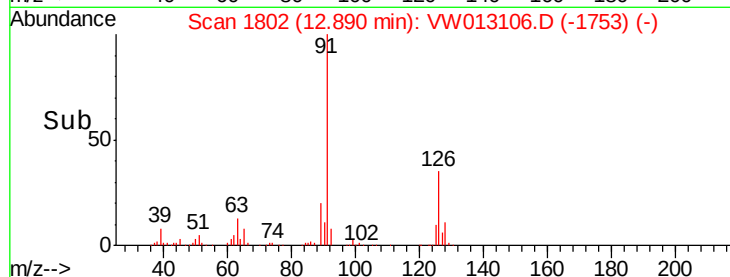
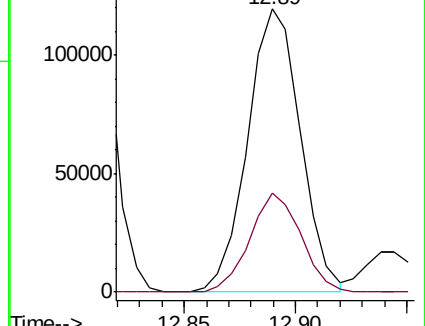
91 100

126 34.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.311 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013106.D

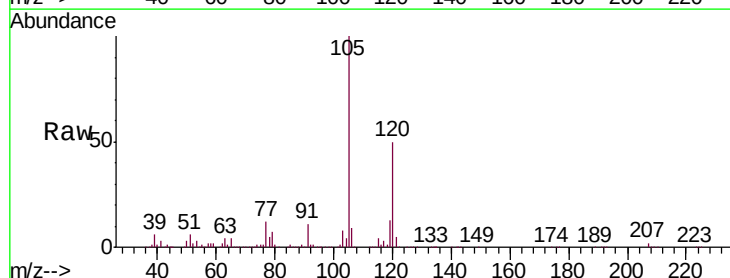
Acq: 18 Sep 2019 12:09

Tgt Ion: 105 Resp: 252410

Ion Ratio Lower Upper

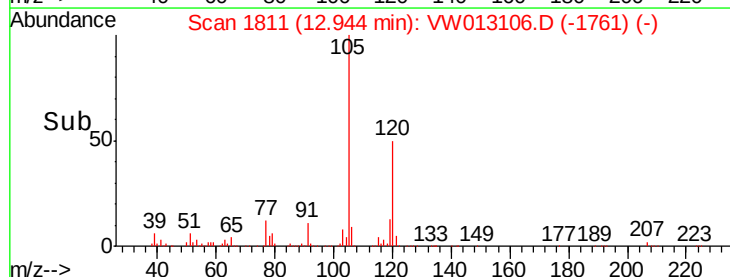
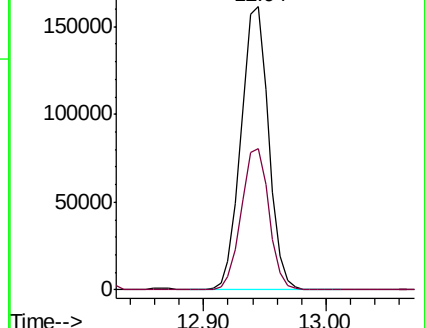
105 100

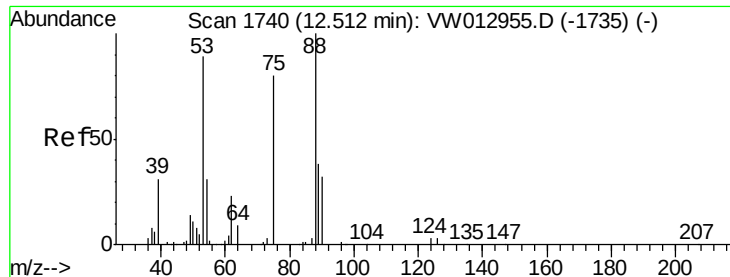
120 50.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.494 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

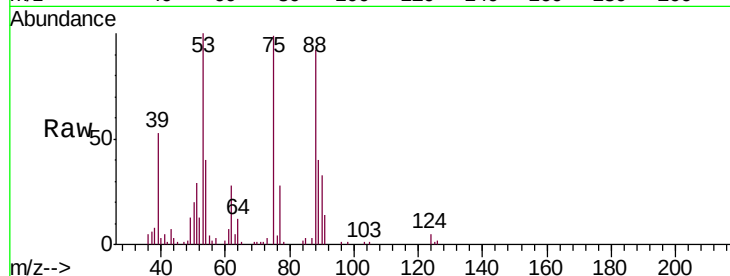
Tgt Ion: 75 Resp: 15826

Ion Ratio Lower Upper

75 100

53 100.0 85.6 128.4

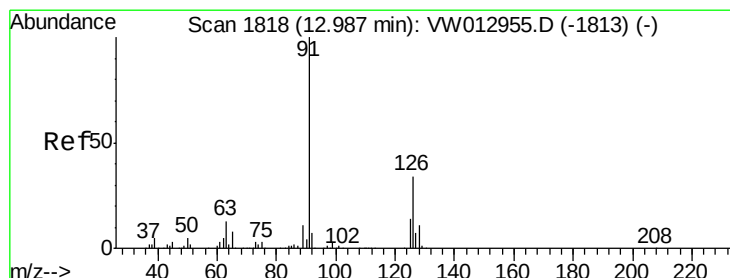
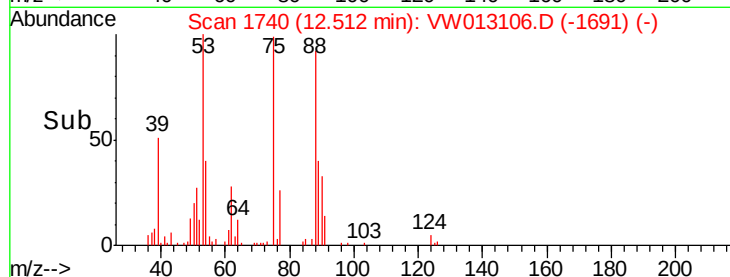
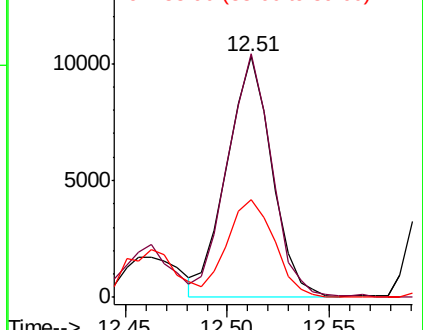
89 42.2 37.2 55.8



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: 19.887 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013106.D

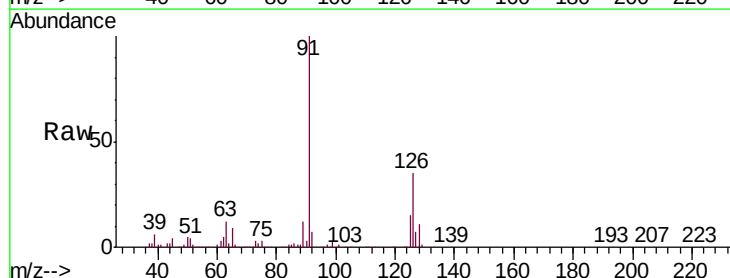
Acq: 18 Sep 2019 12:09

Tgt Ion: 91 Resp: 208429

Ion Ratio Lower Upper

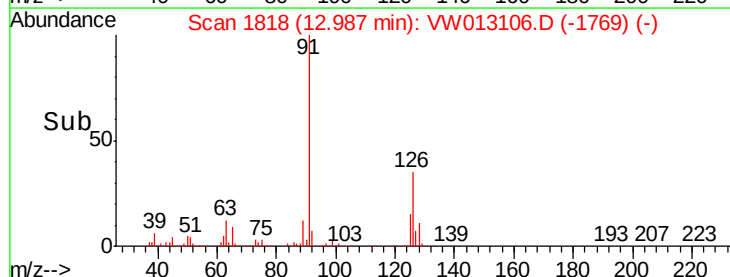
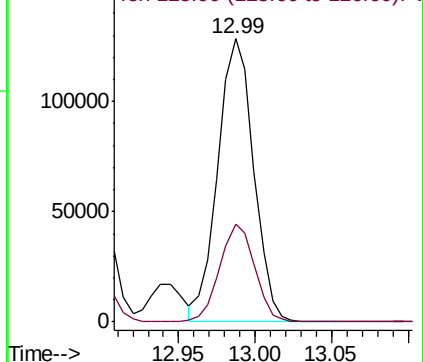
91 100

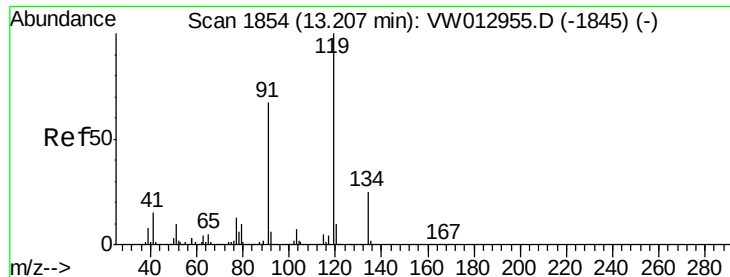
126 33.8 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

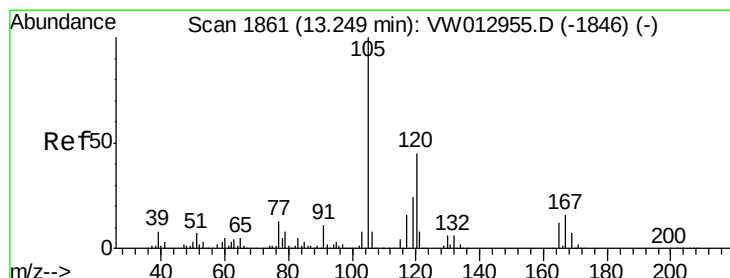
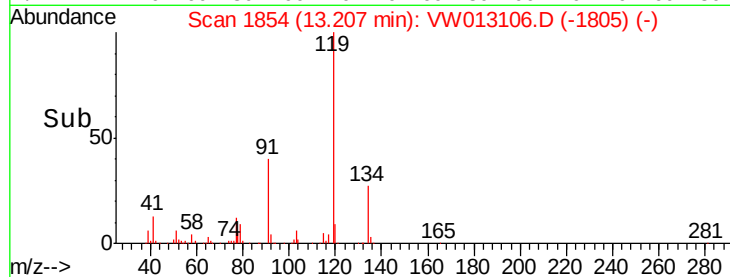
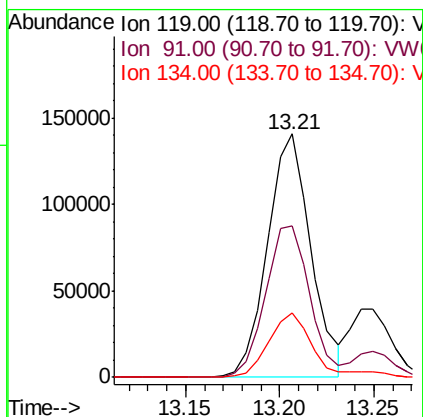
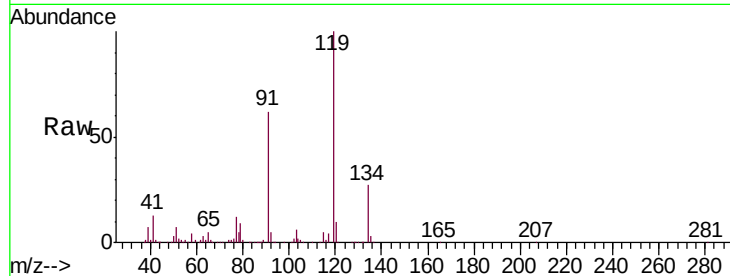




#83
 tert-Butylbenzene
 Concen: 20.249 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

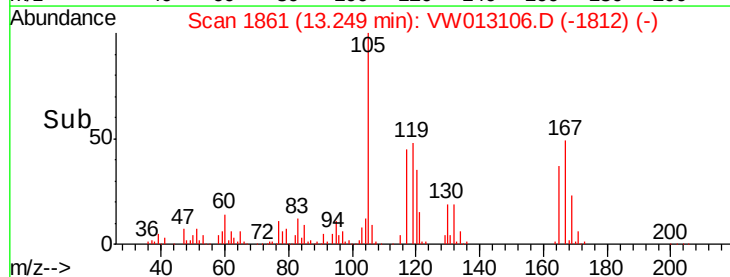
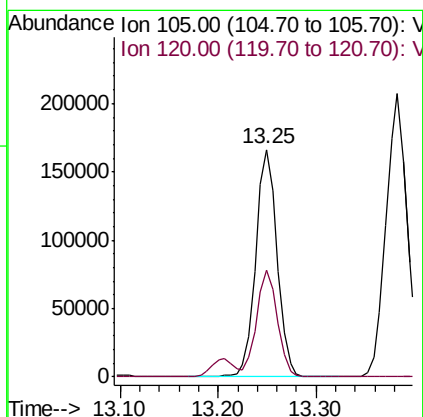
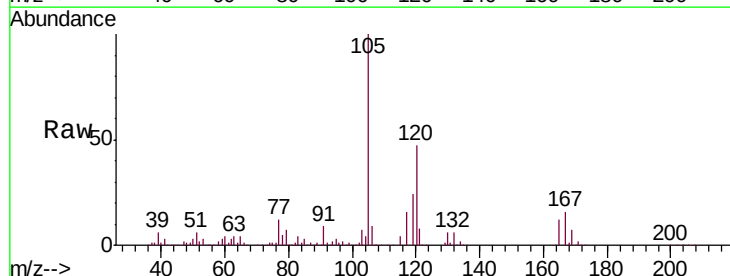
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

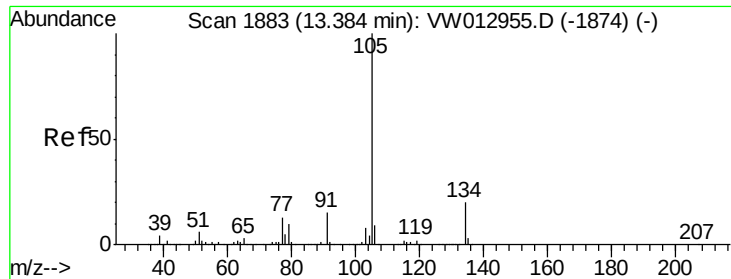
Tgt Ion:119 Resp: 225083
 Ion Ratio Lower Upper
 119 100
 91 63.1 32.6 98.0
 134 25.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.499 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion:105 Resp: 251740
 Ion Ratio Lower Upper
 105 100
 120 45.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.396 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

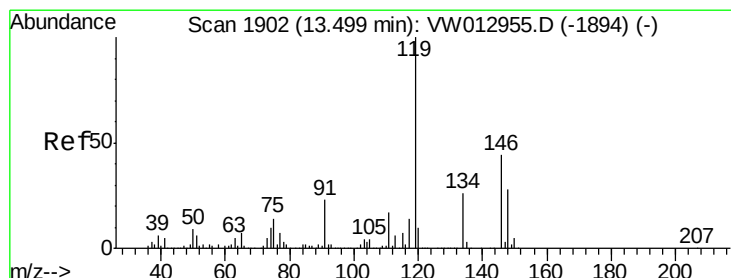
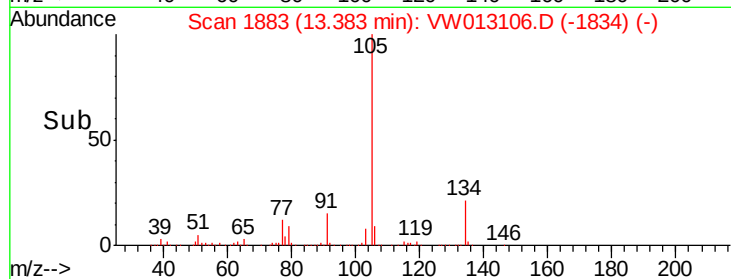
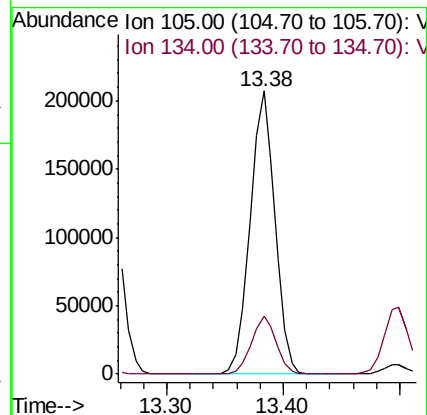
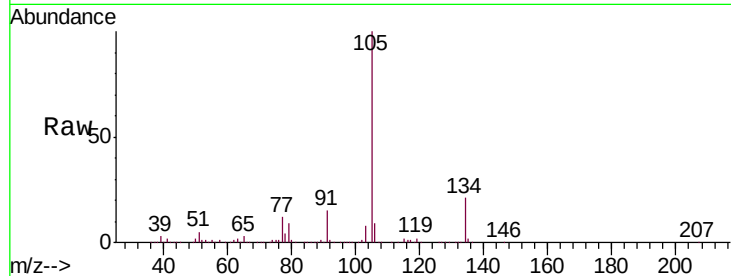
VW0918SBS01

Tgt Ion:105 Resp: 308895

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.412 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

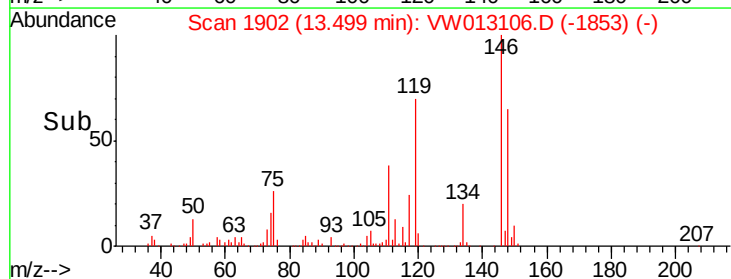
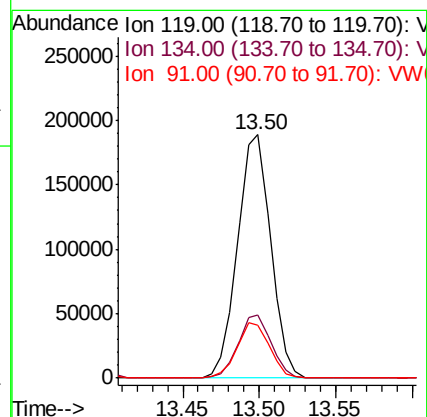
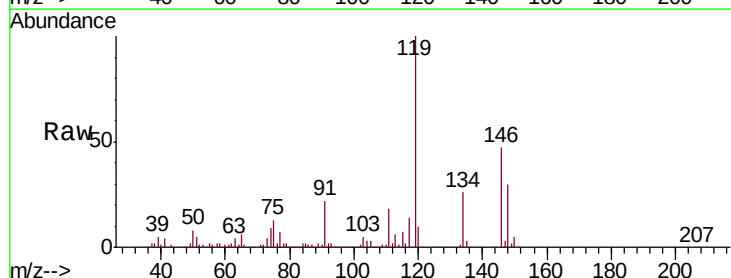
Tgt Ion:119 Resp: 283824

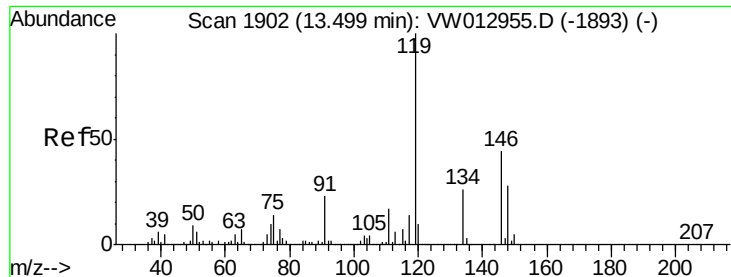
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 22.3 11.8 35.4

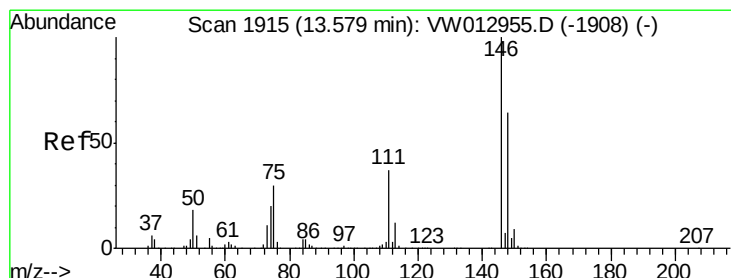
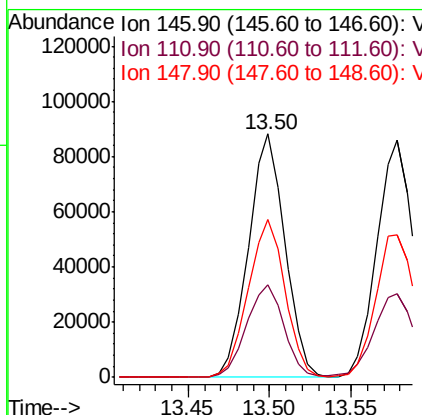
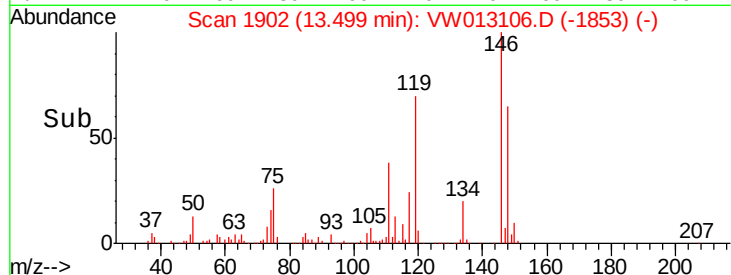
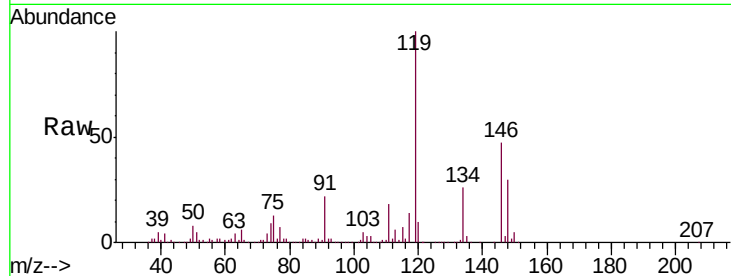




#87
 1,3-Dichlorobenzene
 Concen: 20.498 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

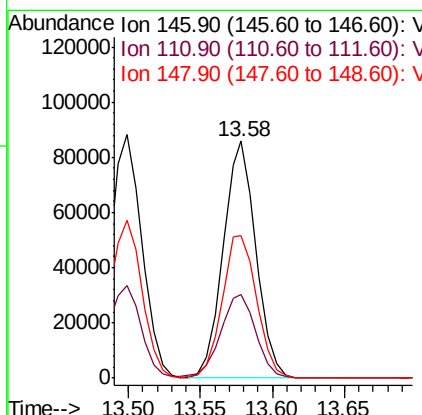
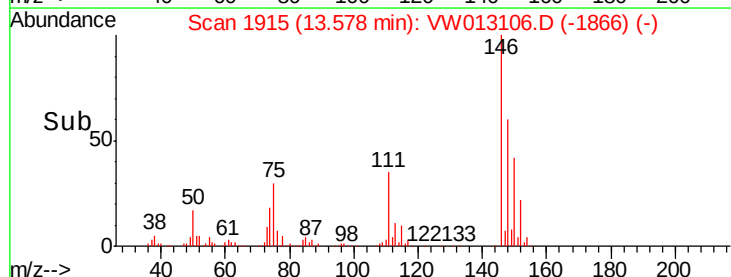
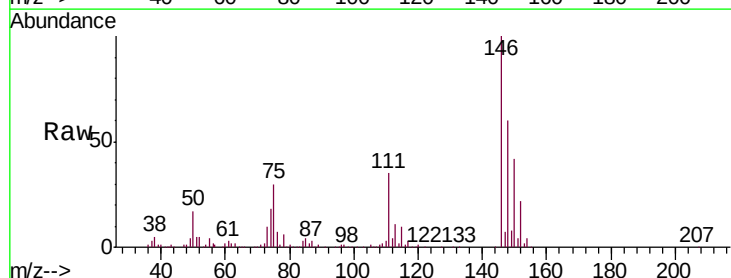
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

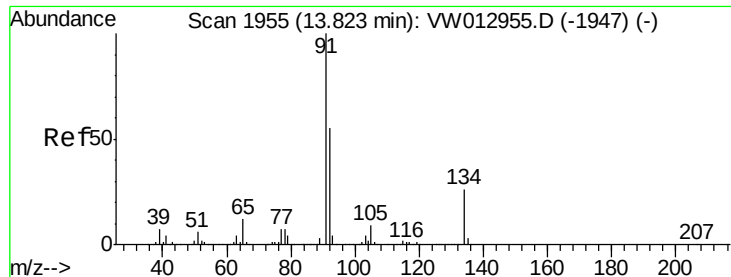
Tgt Ion:146 Resp: 137319
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.8 59.4
 148 65.7 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.655 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion:146 Resp: 135982
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.2
 148 63.9 31.9 95.5





#89

n-Butylbenzene

Concen: 19.959 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013106.D

Acq: 18 Sep 2019 12:09

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBS01

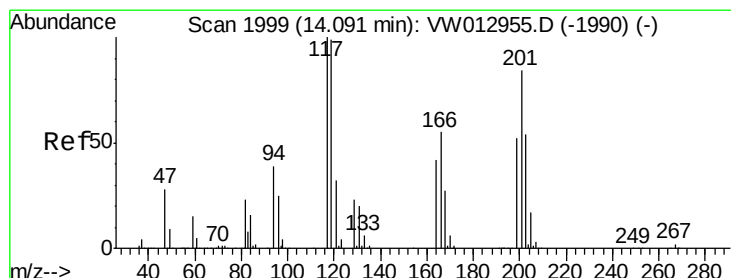
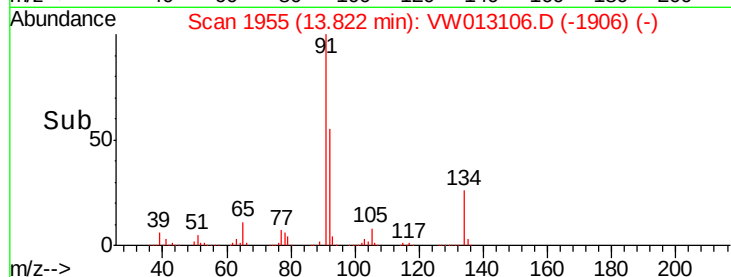
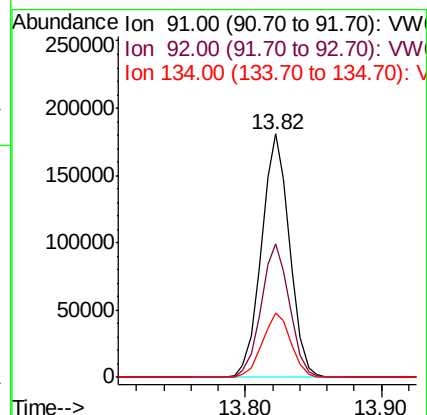
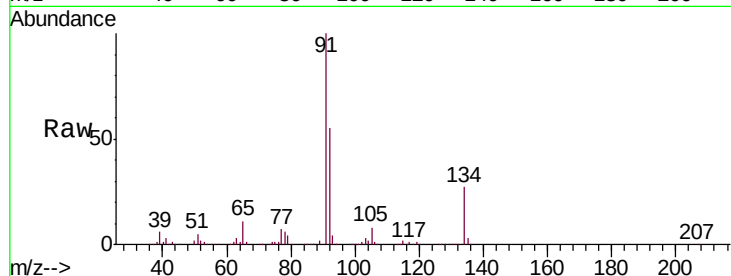
Tgt Ion: 91 Resp: 261734

Ion Ratio Lower Upper

91 100

92 55.2 27.2 81.5

134 27.2 13.1 39.1



#90

Hexachloroethane

Concen: 18.771 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013106.D

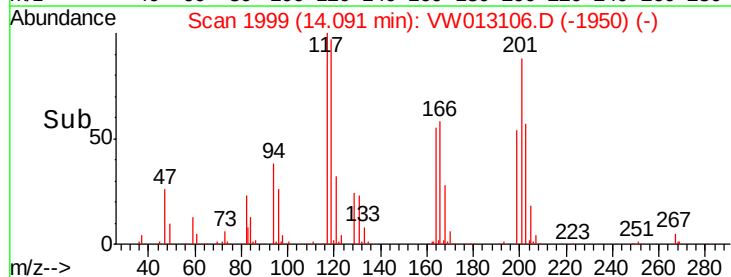
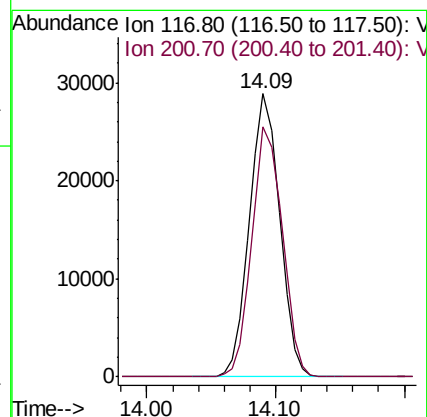
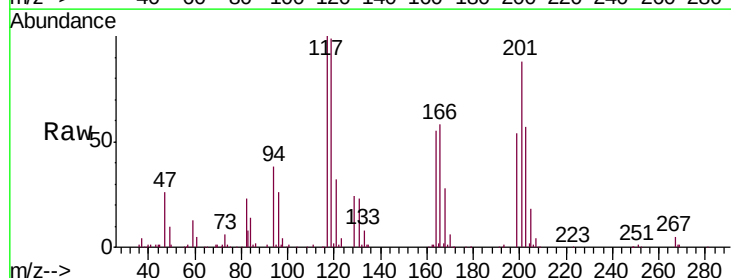
Acq: 18 Sep 2019 12:09

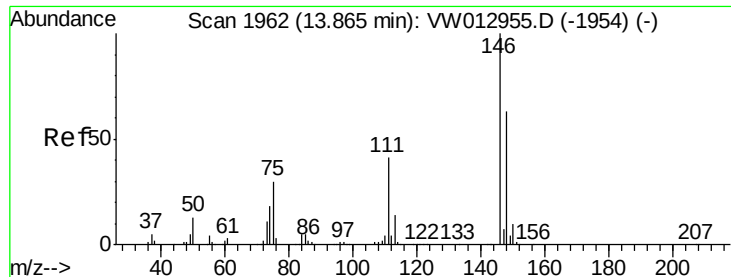
Tgt Ion: 117 Resp: 46774

Ion Ratio Lower Upper

117 100

201 89.0 45.3 135.9

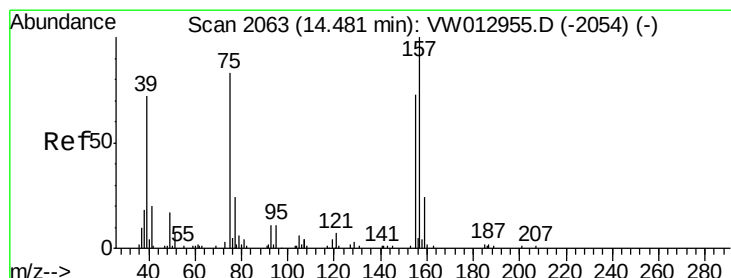
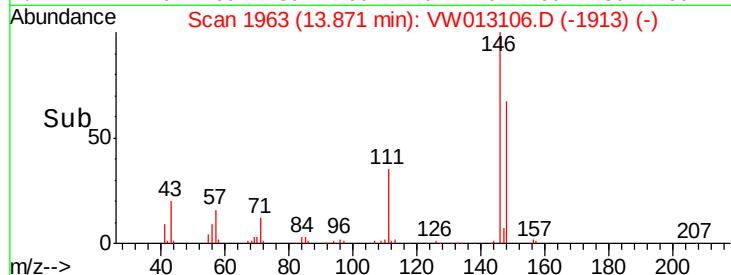
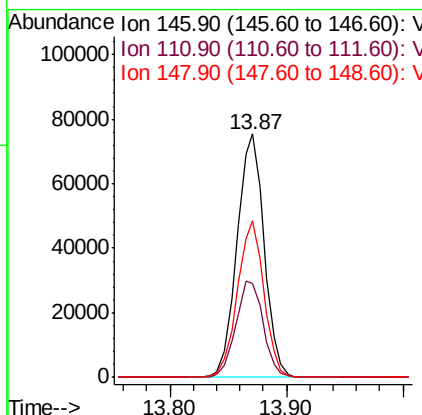
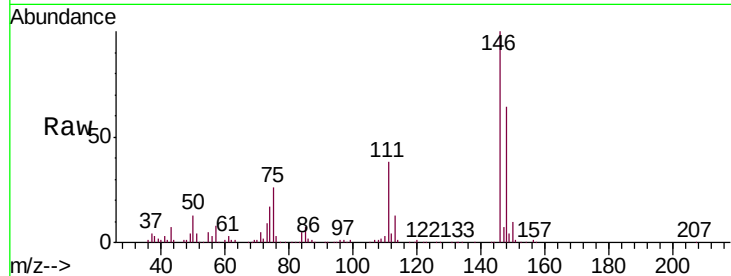




#91
 1,2-Dichlorobenzene
 Concen: 20.738 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

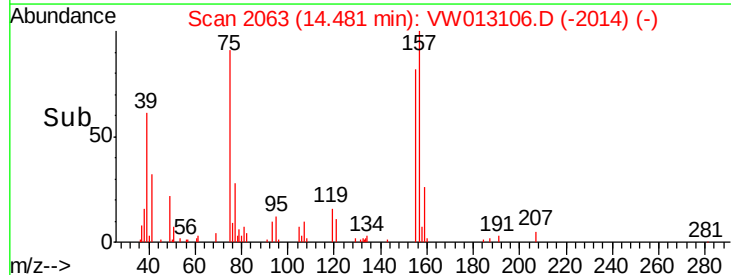
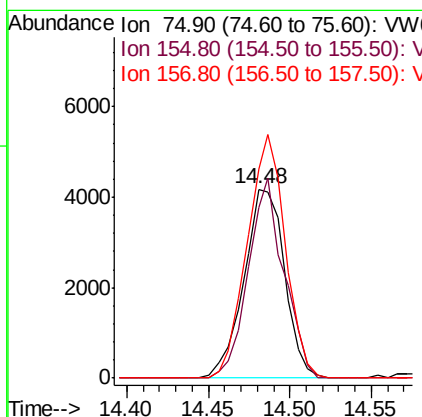
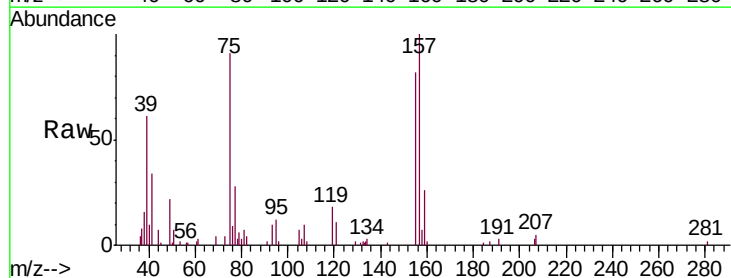
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

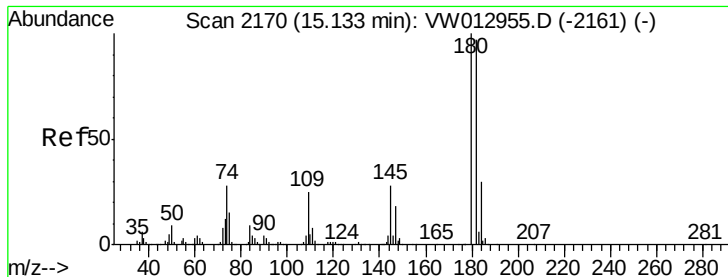
Tgt Ion: 146 Resp: 122172
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.8 62.5
 148 62.9 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.330 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion: 75 Resp: 7240
 Ion Ratio Lower Upper
 75 100
 155 92.9 43.3 129.9
 157 120.8 54.7 164.1

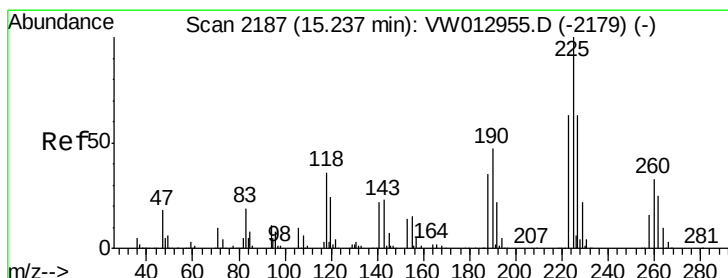
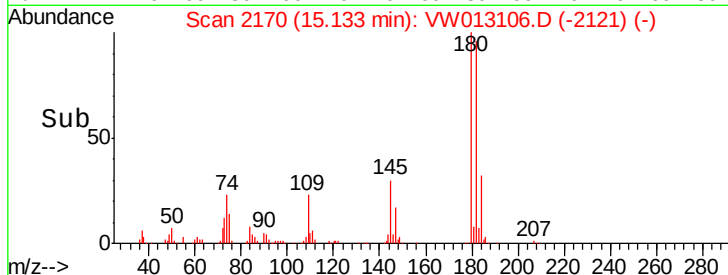
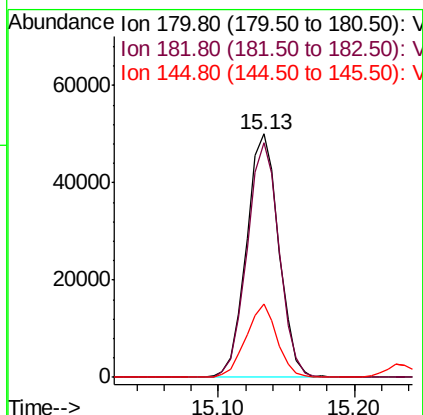
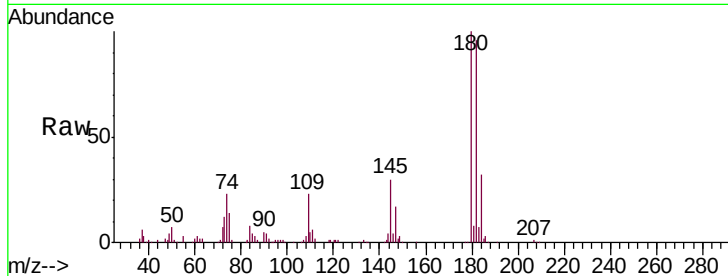




#93
 1,2,4-Trichlorobenzene
 Concen: 19.854 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

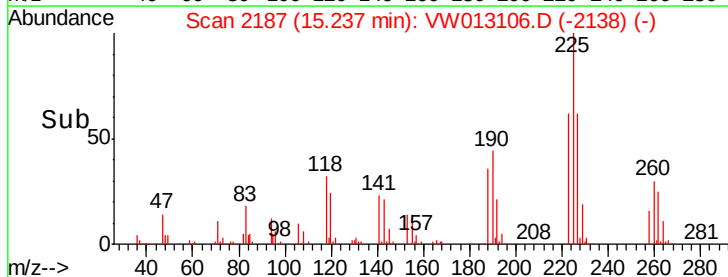
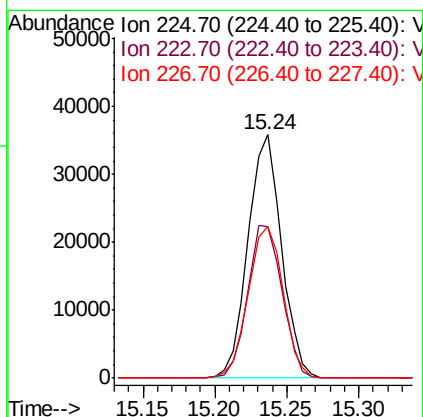
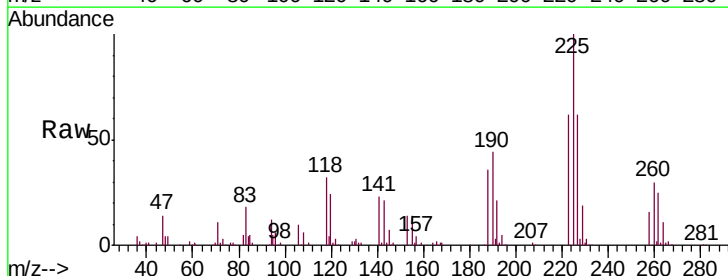
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

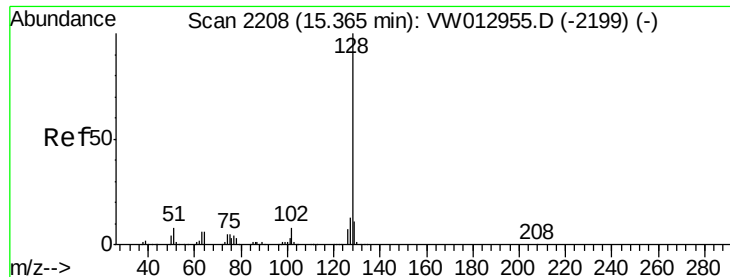
Tgt Ion:180 Resp: 83416
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 28.7 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.354 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013106.D
 Acq: 18 Sep 2019 12:09

Tgt Ion:225 Resp: 57565
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.8 95.3
 227 65.0 31.3 93.8

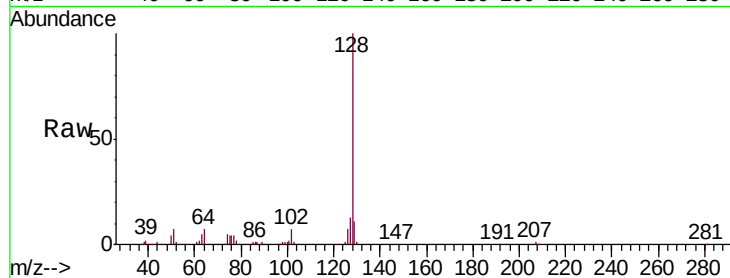




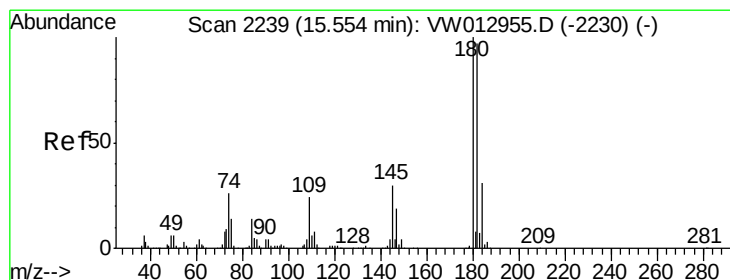
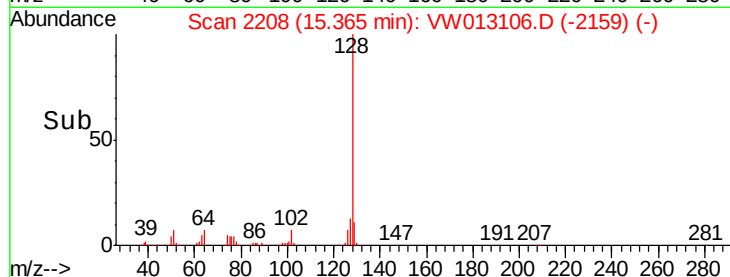
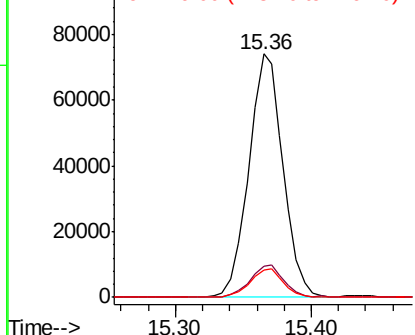
#95
Naphthalene
Concen: 18.533 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBS01

Tgt Ion:128 Resp: 130102
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 11.3 8.6 12.8

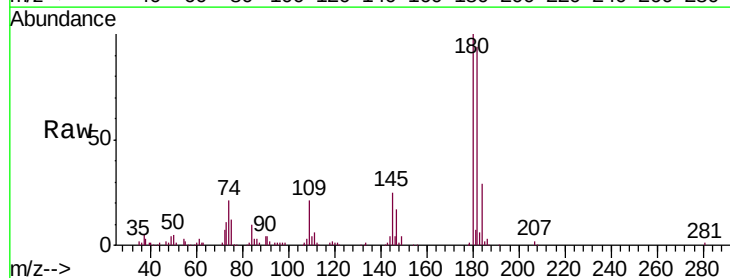


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.489 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013106.D
Acq: 18 Sep 2019 12:09

Tgt Ion:180 Resp: 72384
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 29.9 15.4 46.2



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

