

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013011.D
 Acq On : 15 Sep 2019 00:33
 Operator : SY/VA
 Sample : VW0915SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:56:25 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	266027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	183823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135459	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	7.88	113	110857	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	463453	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.62	95	170043	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26241	23.387	ug/l	95
3) Chloromethane	2.21	50	35431	25.277	ug/l	100
4) Vinyl Chloride	2.36	62	43771	22.987	ug/l	94
5) Bromomethane	2.77	94	24943	21.450	ug/l	96
6) Chloroethane	2.91	64	26449	22.648	ug/l	95
7) Trichlorofluoromethane	3.25	101	24355	18.291	ug/l	99
8) Diethyl Ether	3.67	74	22471	21.613	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43450	21.515	ug/l	97
10) Methyl Iodide	4.26	142	56353	22.297	ug/l	99
11) Tert butyl alcohol	5.20	59	21242	116.651	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	41038	22.349	ug/l	96
13) Acrolein	3.89	56	19200	101.851	ug/l	99
14) Allyl chloride	4.67	41	72901	20.912	ug/l	99
15) Acrylonitrile	5.37	53	63376	119.345	ug/l	99
16) Acetone	4.13	43	55204	91.124	ug/l	96
17) Carbon Disulfide	4.39	76	81632	22.308	ug/l	100
18) Methyl Acetate	4.67	43	39327	28.095	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	80519	22.214	ug/l	98
20) Methylene Chloride	4.92	84	49860	22.240	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	43152	21.941	ug/l	89
22) Diisopropyl ether	6.31	45	160426	22.152	ug/l	99
23) Vinyl Acetate	6.25	43	464292	107.041	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88233	21.131	ug/l	99
25) 2-Butanone	7.17	43	89463	114.512	ug/l	98
26) 2,2-Dichloropropane	7.16	77	52102	16.781	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51015	21.666	ug/l	97
28) Bromochloromethane	7.51	49	36340	20.677	ug/l	97
29) Tetrahydrofuran	7.53	42	57483	129.134	ug/l	97
30) Chloroform	7.67	83	89250	21.036	ug/l	97
31) Cyclohexane	7.95	56	76161	21.910	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72941	20.877	ug/l	96
36) 1,1-Dichloropropene	8.08	75	65013	20.687	ug/l	99
37) Ethyl Acetate	7.24	43	38297	22.959	ug/l	97
38) Carbon Tetrachloride	8.06	117	64389	19.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72937	21.180	ug/l	99
40) Benzene	8.32	78	183725	20.942	ug/l	99
41) Methacrylonitrile	7.48	41	24800	22.577	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62541	21.266	ug/l	99
43) Isopropyl Acetate	8.42	43	74539	23.273	ug/l	99
44) Trichloroethene	9.09	130	50699	21.098	ug/l	85
45) 1,2-Dichloropropane	9.37	63	49256	21.132	ug/l	100
46) Dibromomethane	9.45	93	24607	22.035	ug/l	98
47) Bromodichloromethane	9.64	83	64941	20.732	ug/l	97
48) Methyl methacrylate	9.43	41	35396	23.549	ug/l	98
49) 1,4-Dioxane	9.46	88	8874	474.235	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205059	124.014	ug/l	98
52) Toluene	10.38	92	121715	21.833	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64458	20.461	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	74066	20.548	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38461	22.608	ug/l	99
56) Ethyl methacrylate	10.65	69	52376	22.873	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68257	22.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136254	110.923	ug/l	99
59) 2-Hexanone	10.97	43	138035	119.889	ug/l	99
60) Dibromochloromethane	11.13	129	43941	21.364	ug/l	96
61) 1,2-Dibromoethane	11.23	107	35975	23.181	ug/l	99
64) Tetrachloroethene	10.86	164	47507	22.394	ug/l	96
65) Chlorobenzene	11.65	112	128777	20.274	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48361	19.868	ug/l	97
67) Ethyl Benzene	11.73	91	239035	20.376	ug/l	98
68) m/p-Xylenes	11.84	106	178519	41.657	ug/l	99
69) o-Xylene	12.16	106	83665	20.824	ug/l	97
70) Styrene	12.18	104	149480	20.915	ug/l	98
71) Bromoform	12.35	173	26821	20.978	ug/l	99
73) Isopropylbenzene	12.46	105	242827	19.930	ug/l	99
74) N-amyl acetate	12.27	43	68750	21.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48922	22.861	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61591	38.252	ug/l #	100
77) Bromobenzene	12.74	156	57255	20.398	ug/l	99
78) n-propylbenzene	12.80	91	282674	19.723	ug/l	99
79) 2-Chlorotoluene	12.89	91	167959	20.386	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	207241	20.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14109	19.878	ug/l	99
82) 4-Chlorotoluene	12.99	91	174619	20.087	ug/l	99
83) tert-Butylbenzene	13.21	119	184400	20.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	204690	20.095	ug/l	99
85) sec-Butylbenzene	13.38	105	253639	20.191	ug/l	99
86) p-Isopropyltoluene	13.49	119	228448	19.808	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108333	19.496	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	108960	19.954	ug/l	98
89) n-Butylbenzene	13.82	91	212103	19.501	ug/l	100
90) Hexachloroethane	14.09	117	38862	18.803	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100420	20.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9064	23.139	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

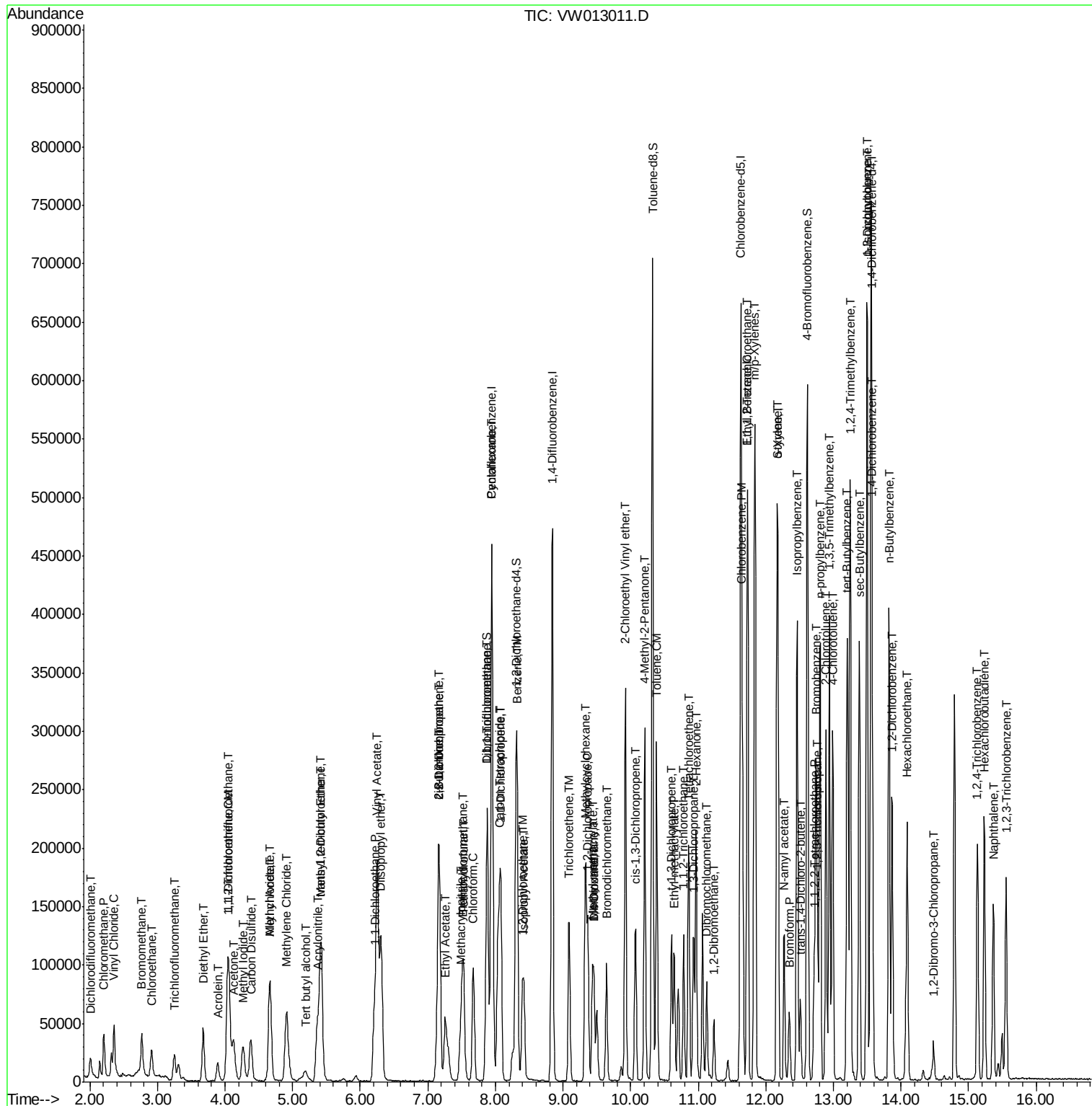
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68592	19.683	ug/l	98
94) Hexachlorobutadiene	15.23	225	49016	19.868	ug/l	98
95) Naphthalene	15.36	128	126649	21.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62509	20.291	ug/l	99

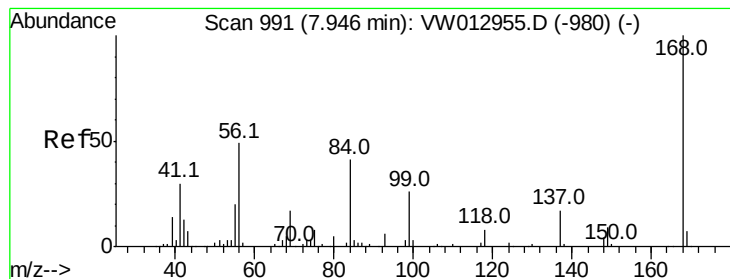
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

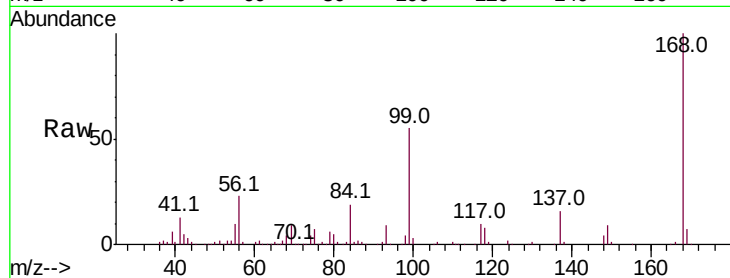
ClientSampleId :

Tot Ion:168 Resp: 266027

Ion Ratio Lower Upper

168 100

99 54.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

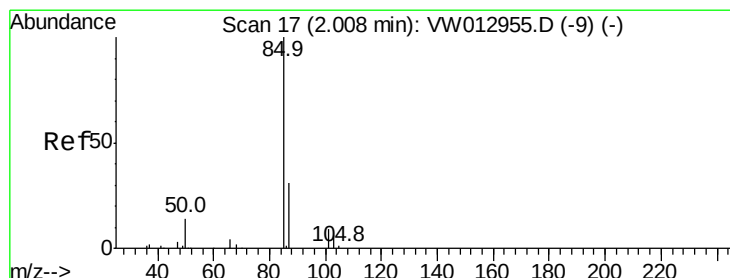
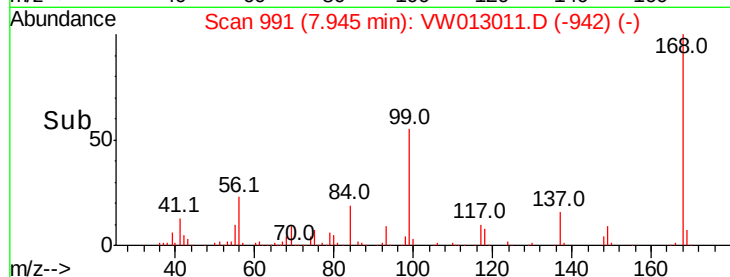
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.387 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013011.D

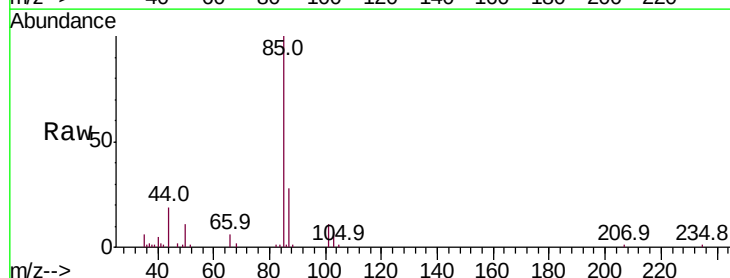
Acq: 15 Sep 2019 00:33

Tgt Ion: 85 Resp: 26241

Ion Ratio Lower Upper

85 100

87 28.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

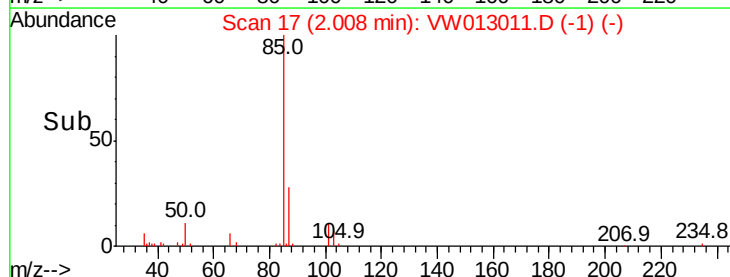
6000

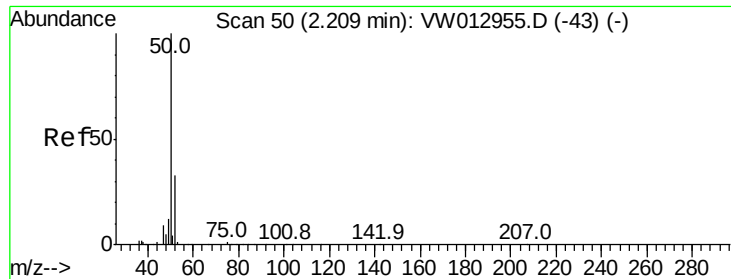
4000

2000

0

Time--> 1.90 2.00 2.10

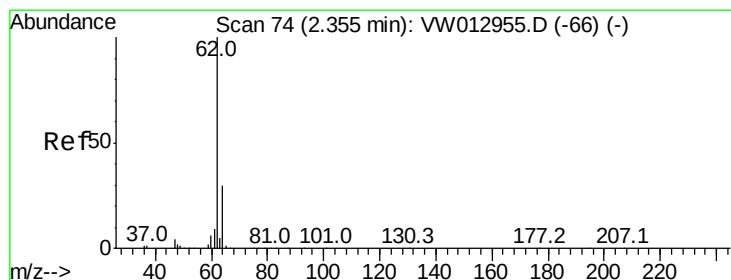
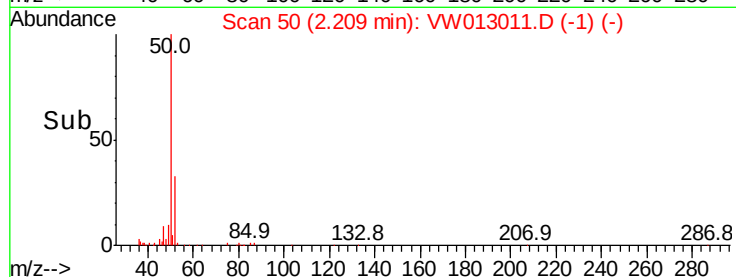
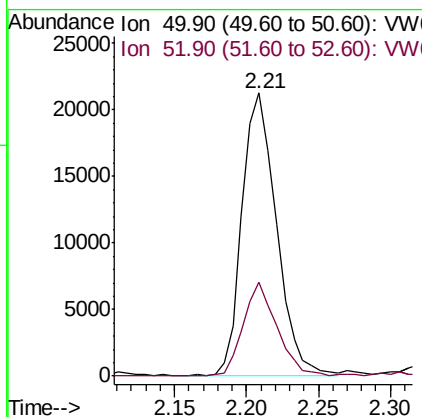
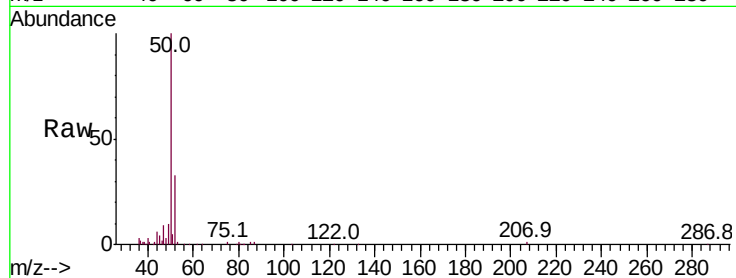




#3
Chloromethane
Concen: 25.277 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

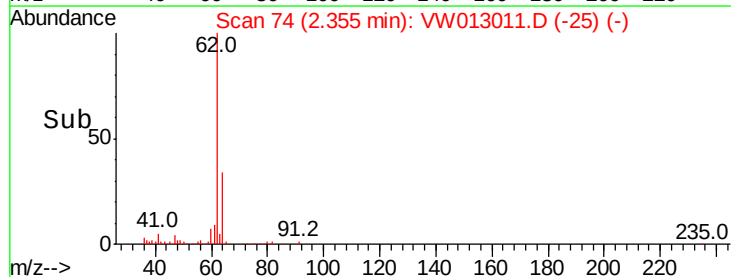
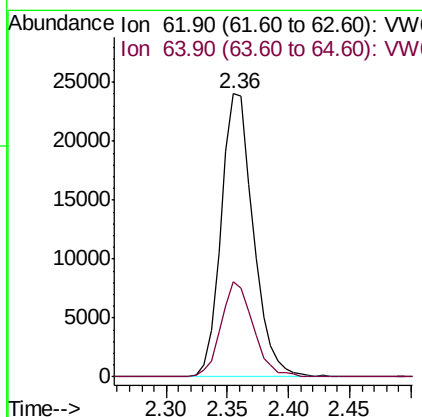
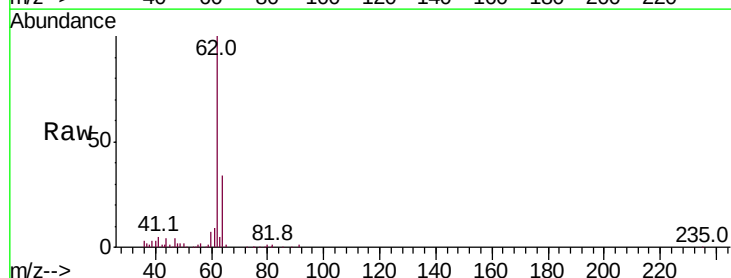
Instrument :
MSVOA_W
ClientSampleId :

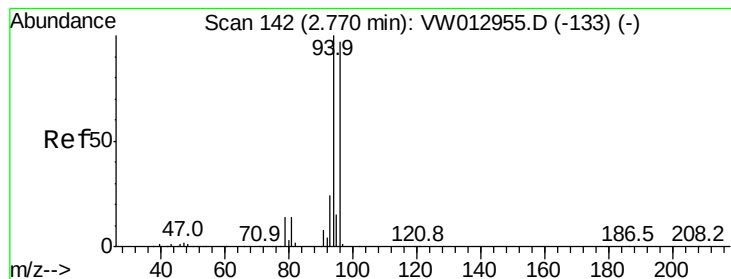
Tot Ion: 50 Resp: 35431
Ion Ratio Lower Upper
50 100
52 33.0 26.6 39.8



#4
Vinyl Chloride
Concen: 22.987 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 62 Resp: 43771
Ion Ratio Lower Upper
62 100
64 33.7 24.2 36.4





#5

Bromomethane

Concen: 21.450 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

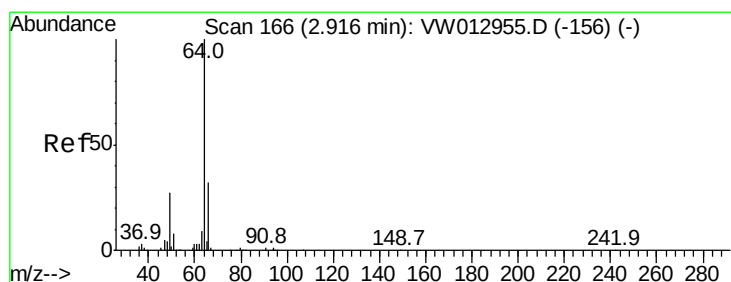
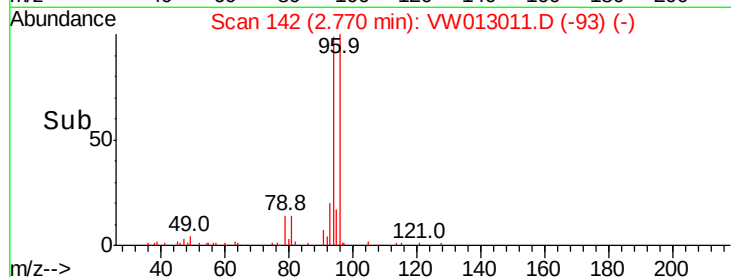
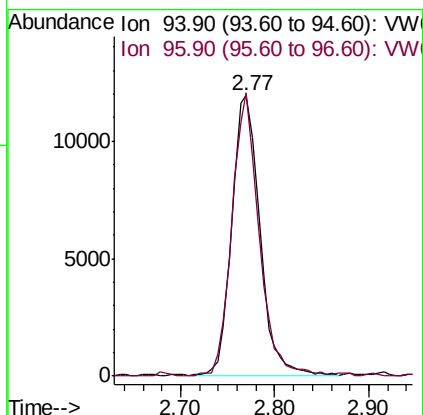
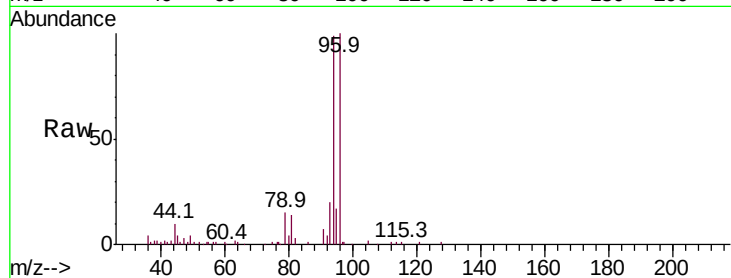
ClientSampleId :

Tot Ion: 94 Resp: 24943

Ion Ratio Lower Upper

94 100

96 101.0 77.8 116.6



#6

Chloroethane

Concen: 22.648 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013011.D

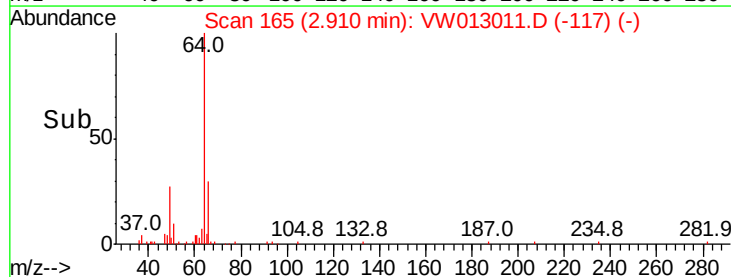
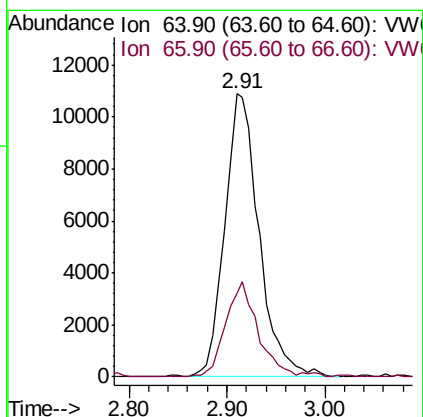
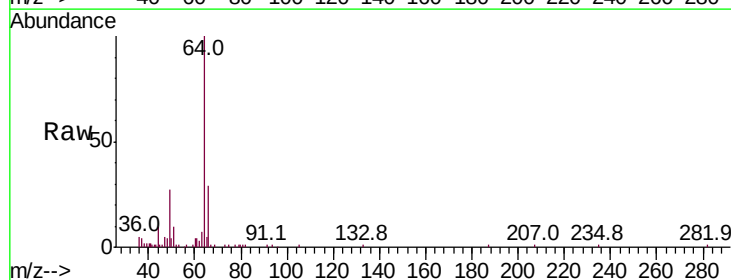
Acq: 15 Sep 2019 00:33

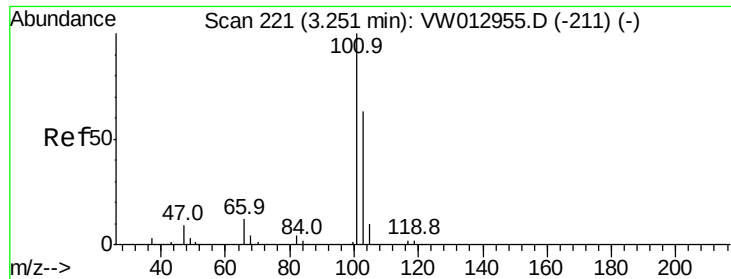
Tgt Ion: 64 Resp: 26449

Ion Ratio Lower Upper

64 100

66 29.5 25.9 38.9



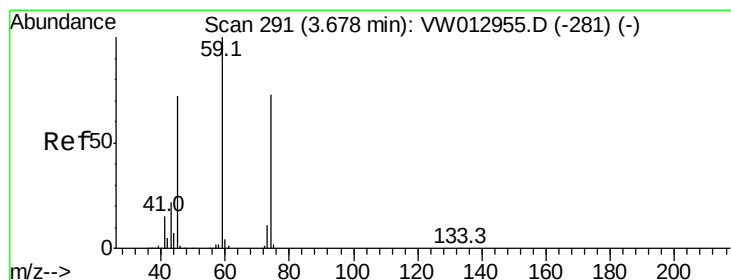
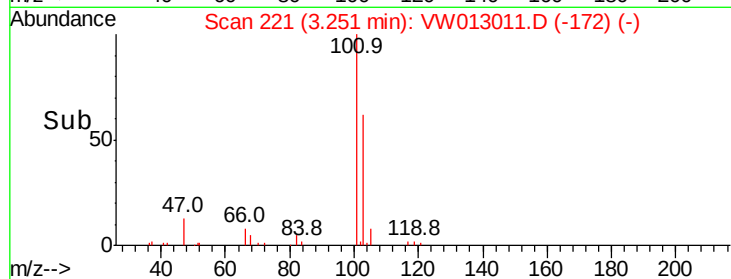
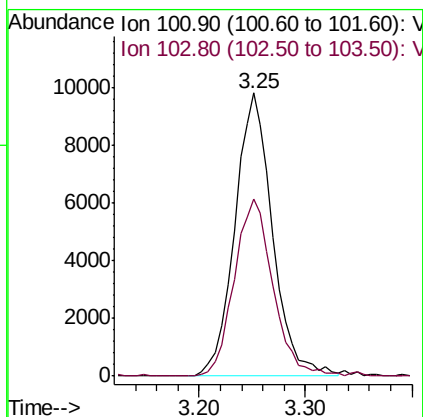
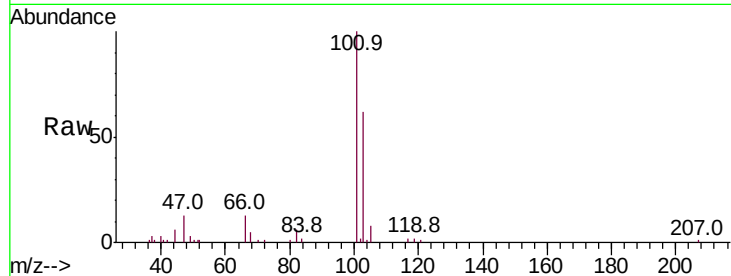


#7

Trichlorofluoromethane
 Concen: 18.291 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampled :

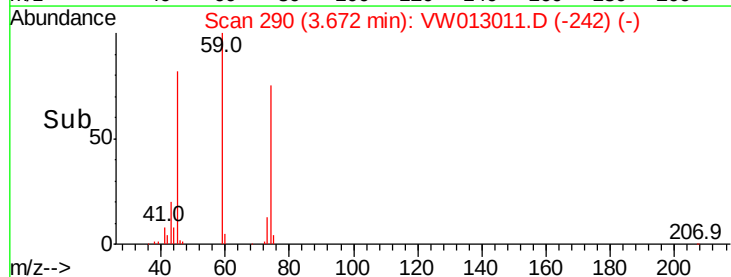
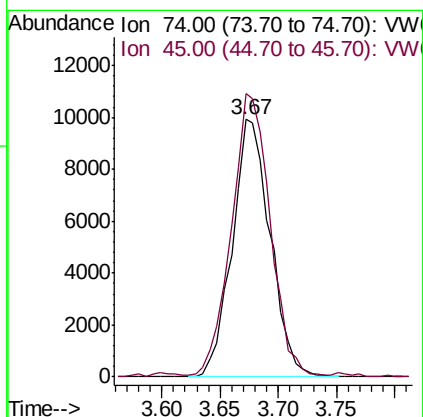
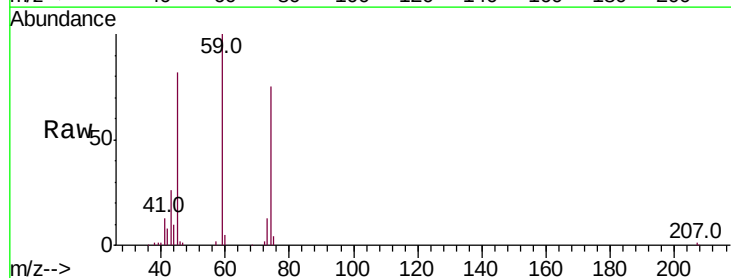
Tot Ion:101 Resp: 24355
 Ion Ratio Lower Upper
 101 100
 103 62.5 50.7 76.1

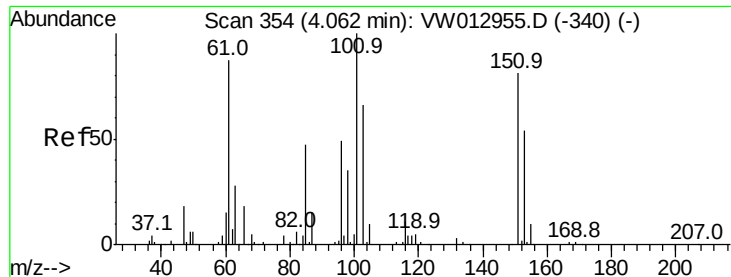


#8

Diethyl Ether
 Concen: 21.613 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion: 74 Resp: 22471
 Ion Ratio Lower Upper
 74 100
 45 111.1 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.515 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

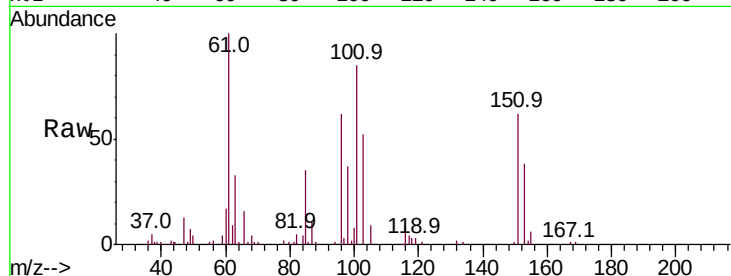
Tot Ion:101 Resp: 43450

Ion Ratio Lower Upper

101 100

85 42.5 34.9 52.3

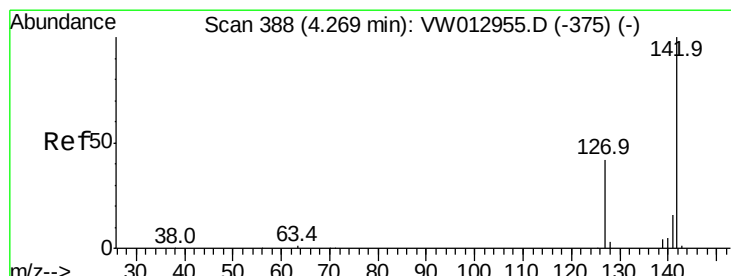
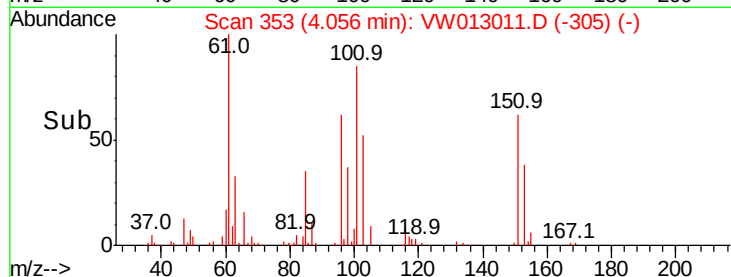
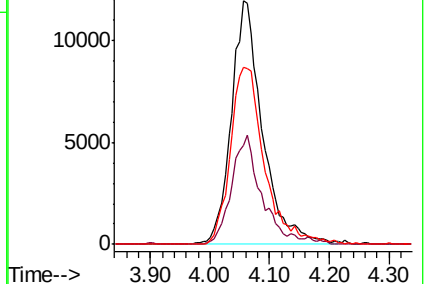
151 79.2 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.297 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

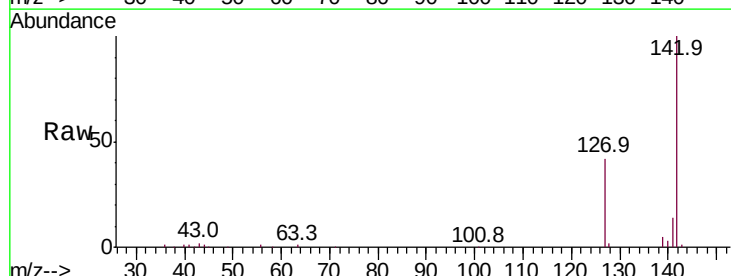
Tgt Ion:142 Resp: 56353

Ion Ratio Lower Upper

142 100

127 42.9 34.7 52.1

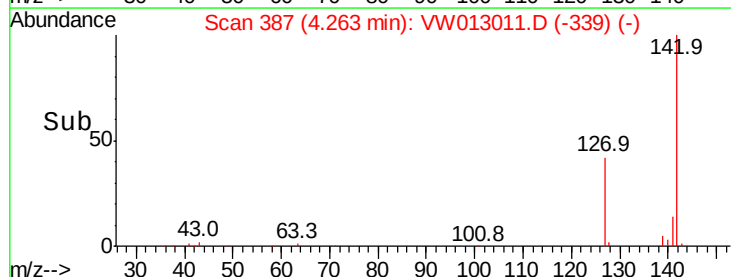
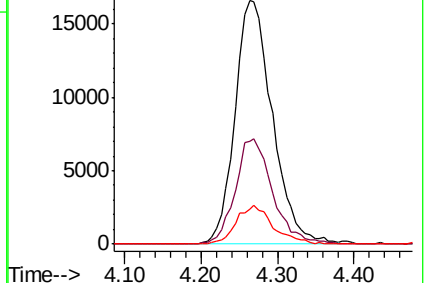
141 15.7 12.2 18.2

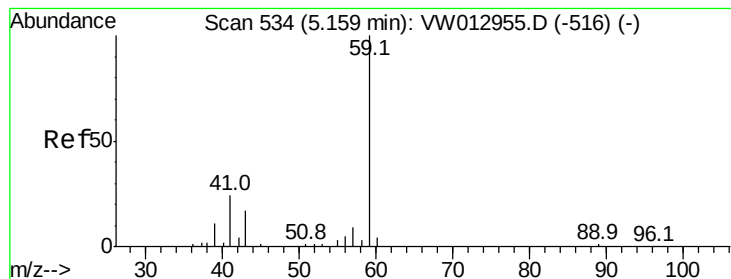


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



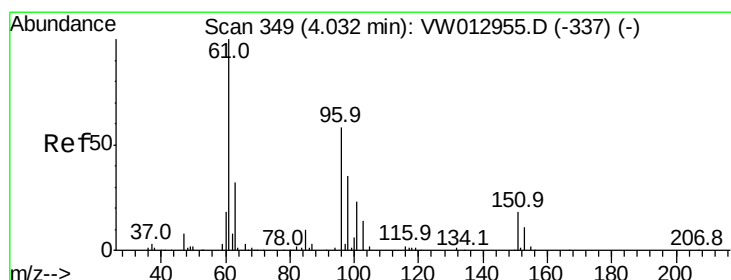
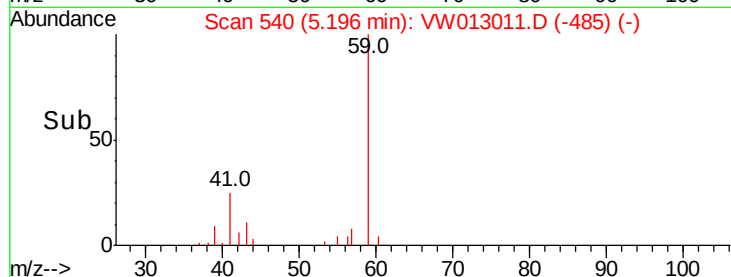
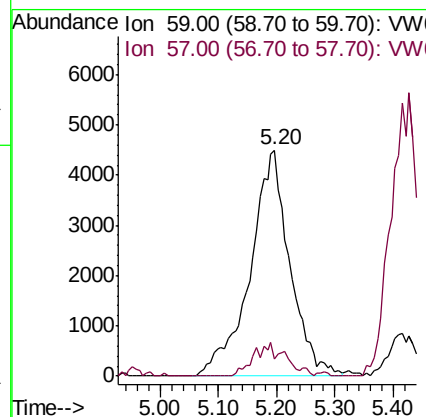
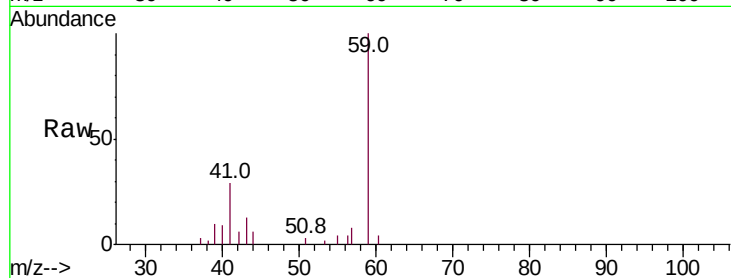


#11

Tert butyl alcohol
 Concen: 116.651 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :

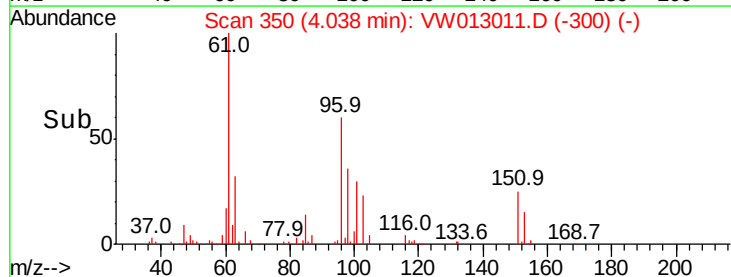
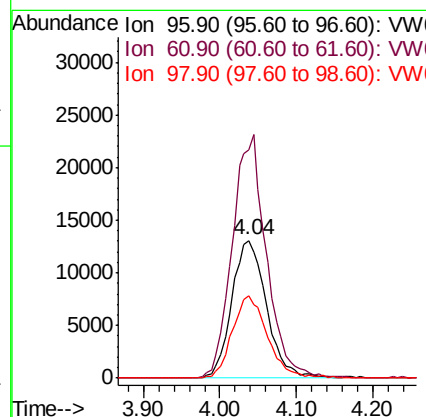
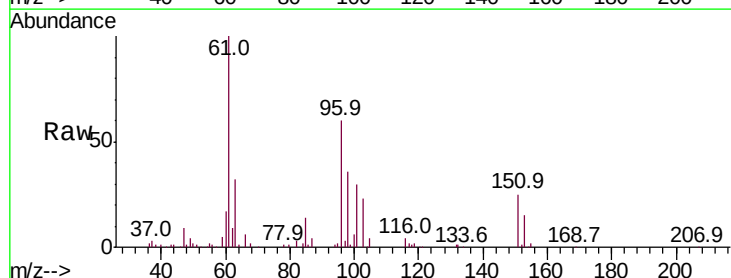
Tot Ion: 59 Resp: 21242
 Ion Ratio Lower Upper
 59 100
 57 8.0 8.5 12.7#

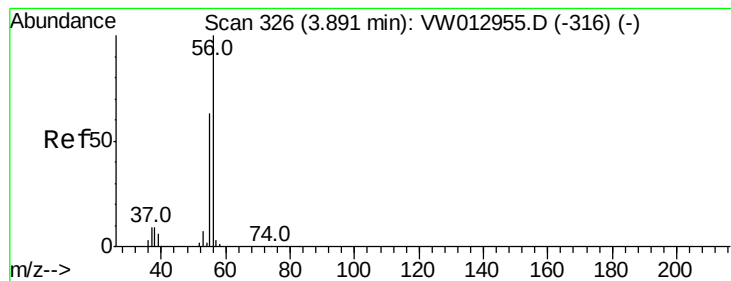


#12

1,1-Dichloroethene
 Concen: 22.349 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion: 96 Resp: 41038
 Ion Ratio Lower Upper
 96 100
 61 165.7 137.9 206.9
 98 60.0 48.9 73.3





#13

Acrolein

Concen: 101.851 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

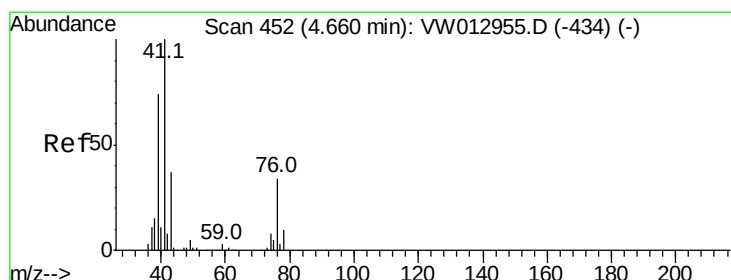
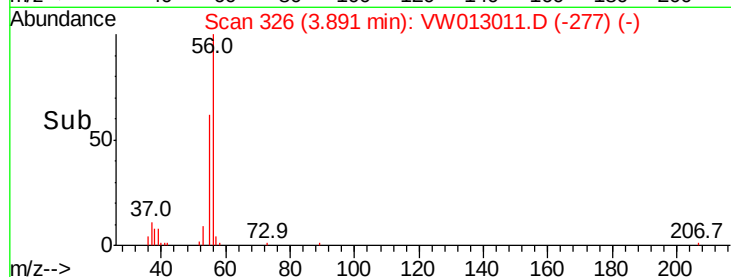
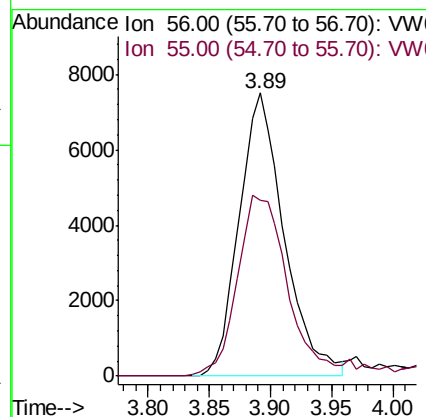
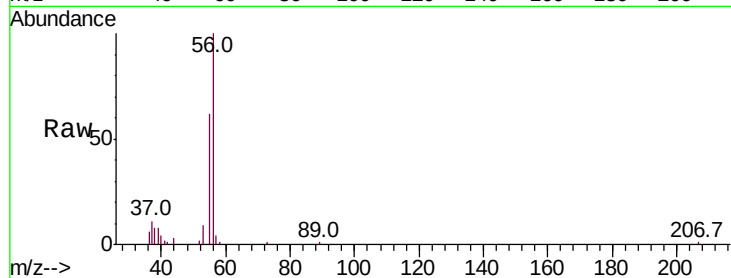
ClientSampleId :

Tot Ion: 56 Resp: 19200

Ion Ratio Lower Upper

56 100

55 70.4 55.8 83.8



#14

Allyl chloride

Concen: 20.912 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

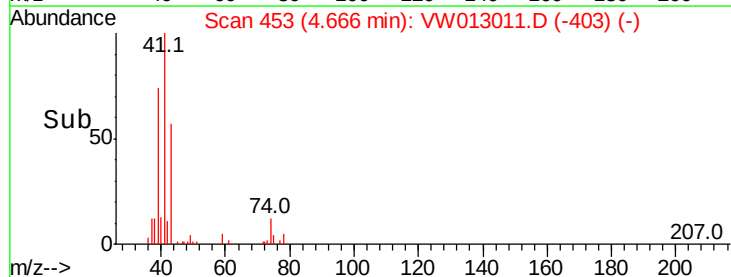
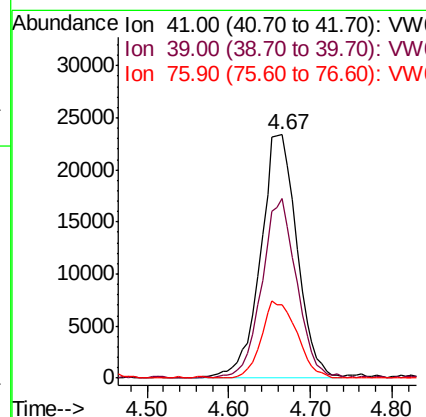
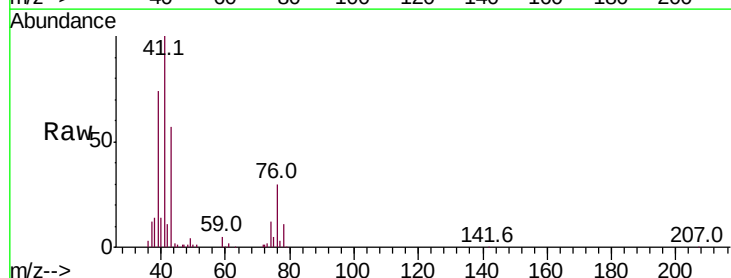
Tgt Ion: 41 Resp: 72901

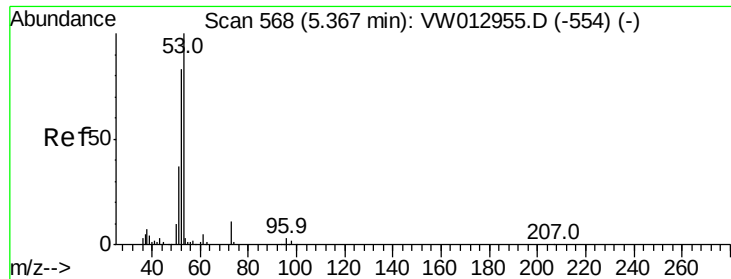
Ion Ratio Lower Upper

41 100

39 70.5 56.7 85.1

76 30.8 25.1 37.7





#15

Acrylonitrile

Concen: 119.345 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

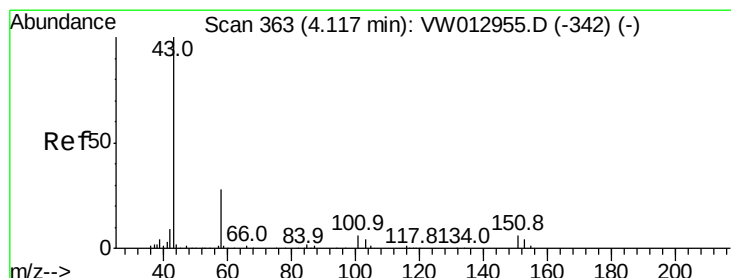
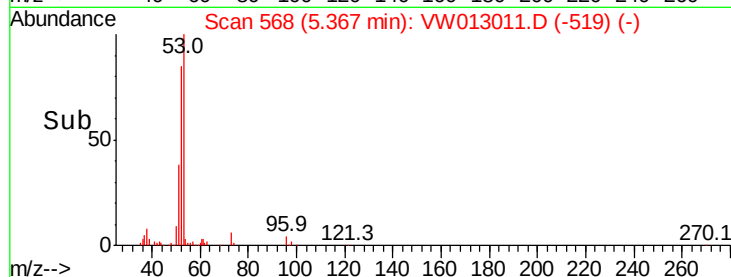
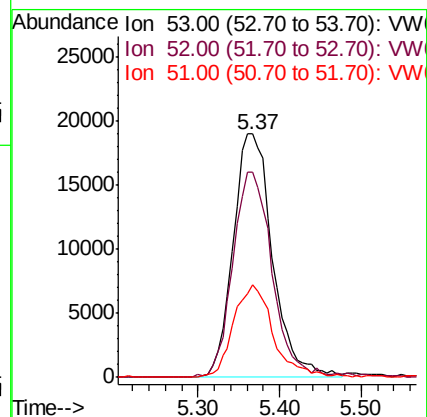
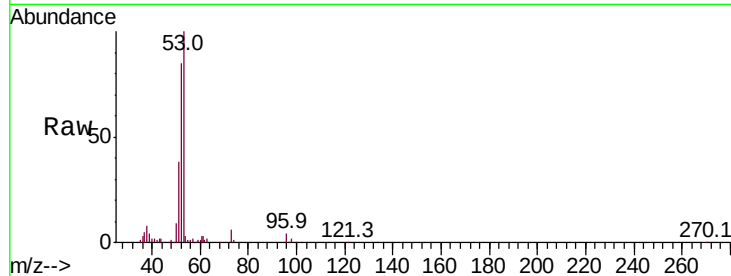
Tot Ion: 53 Resp: 63376

Ion Ratio Lower Upper

53 100

52 84.0 66.6 100.0

51 38.1 29.8 44.8



#16

Acetone

Concen: 91.124 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013011.D

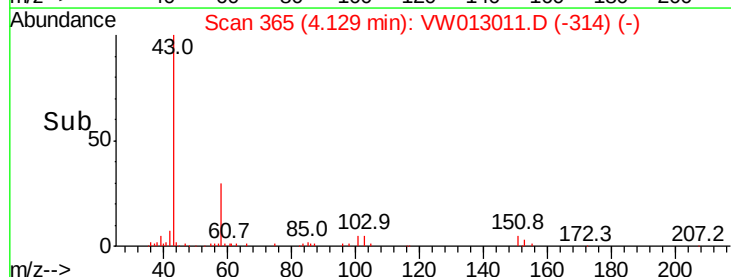
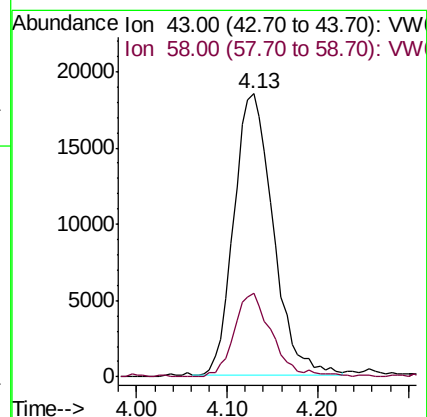
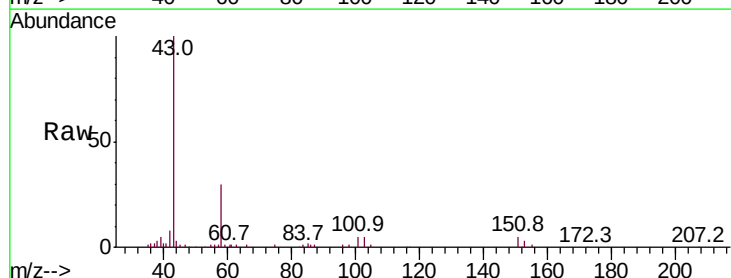
Acq: 15 Sep 2019 00:33

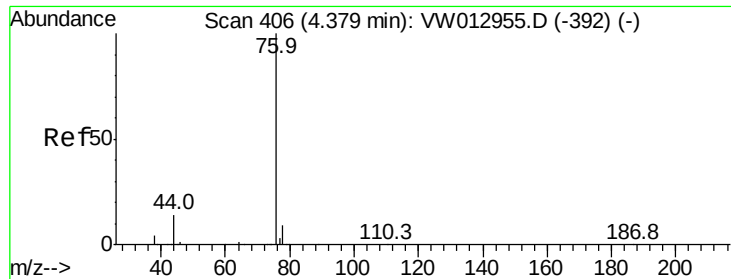
Tgt Ion: 43 Resp: 55204

Ion Ratio Lower Upper

43 100

58 29.8 22.3 33.5

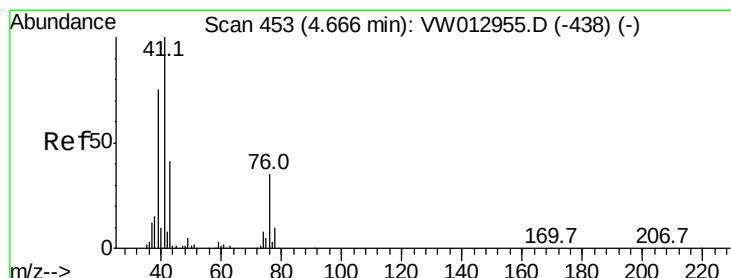
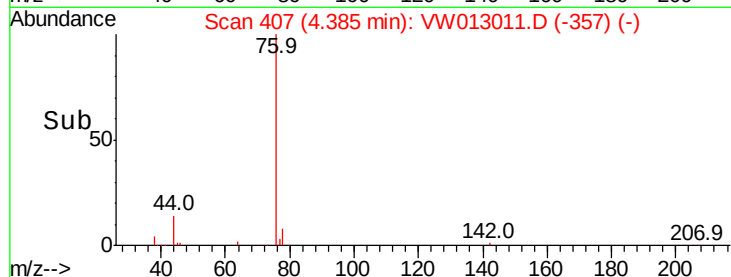
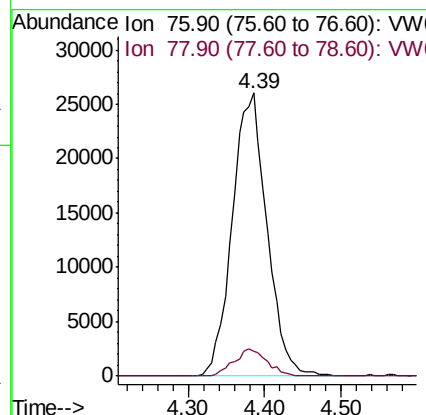
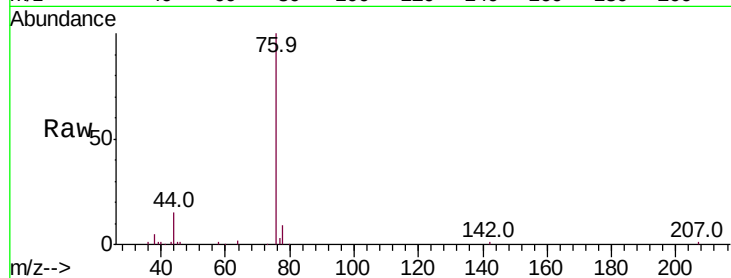




#17
Carbon Disulfide
Concen: 22.308 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

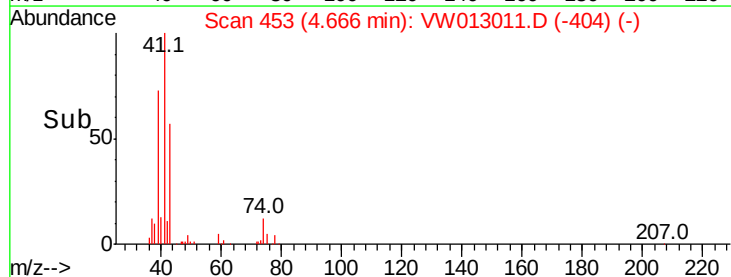
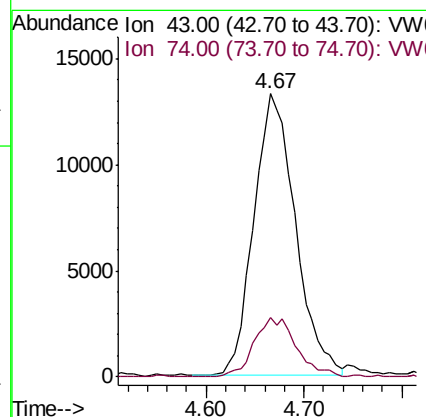
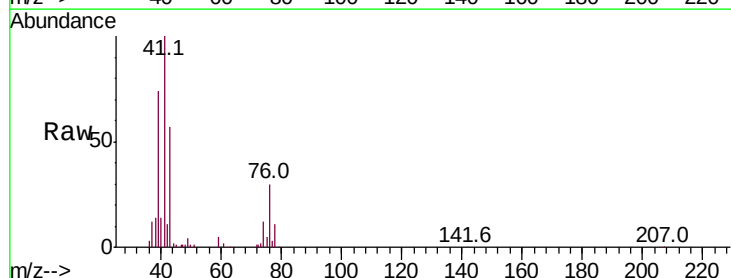
Instrument :
MSVOA_W
ClientSampled :

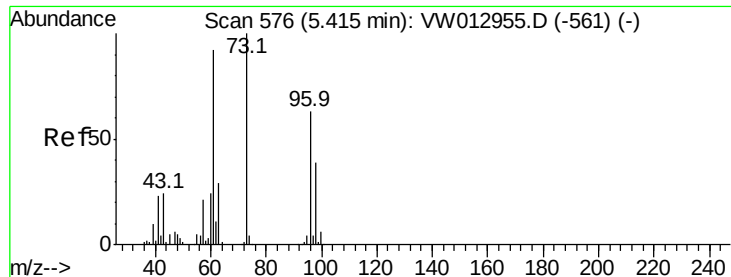
Tot Ion: 76 Resp: 81632
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 28.095 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 43 Resp: 39327
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8

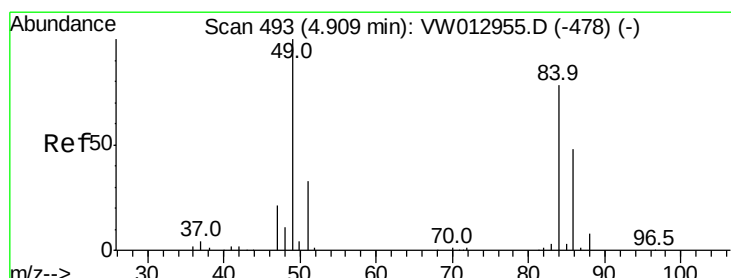
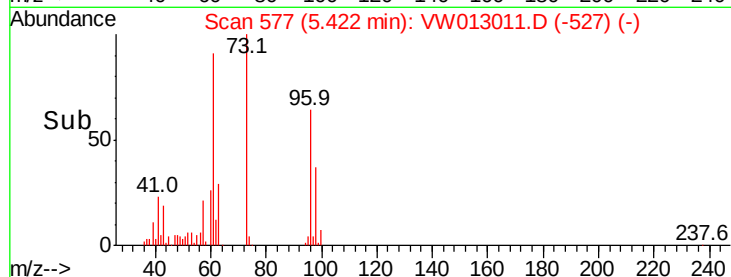
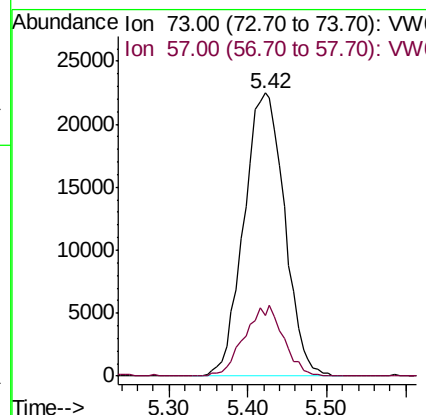
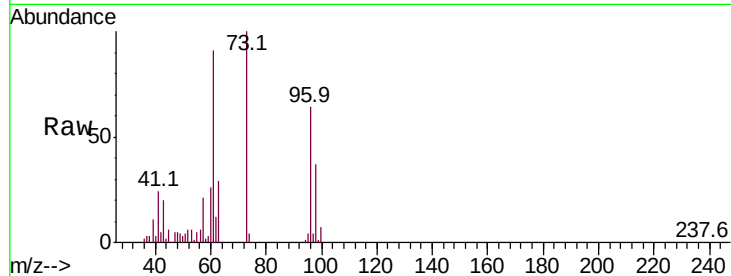




#19
Methyl tert-butyl Ether
Concen: 22.214 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

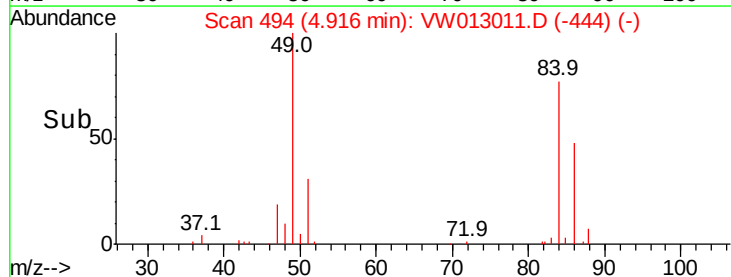
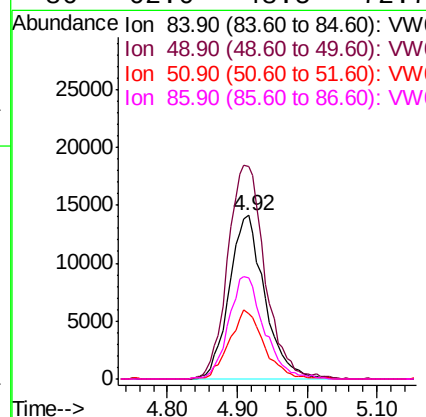
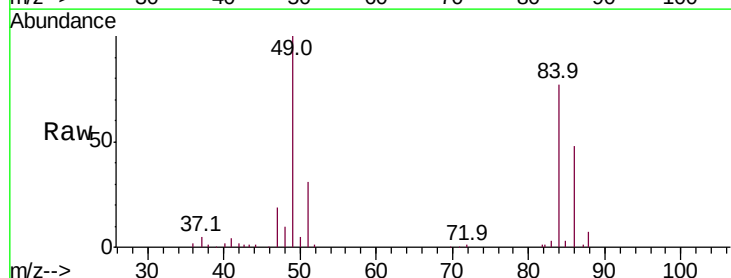
Instrument :
MSVOA_W
ClientSampled :

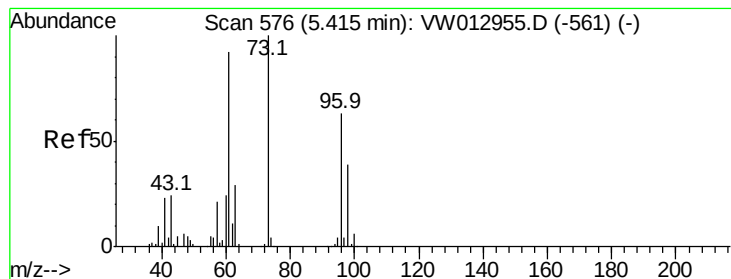
Tot Ion: 73 Resp: 80519
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6



#20
Methylene Chloride
Concen: 22.240 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 84 Resp: 49860
Ion Ratio Lower Upper
84 100
49 130.1 102.0 153.0
51 39.9 34.0 51.0
86 62.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 21.941 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

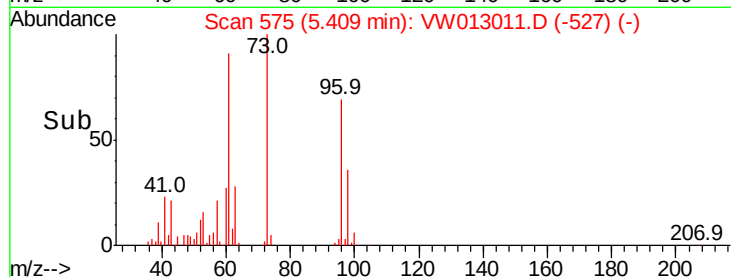
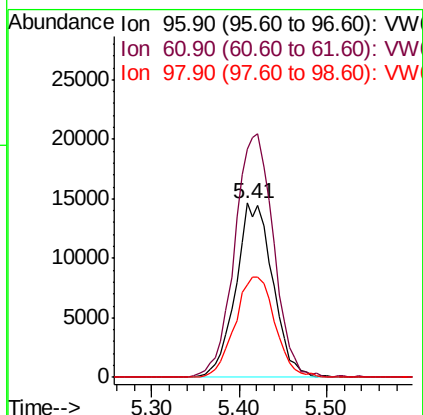
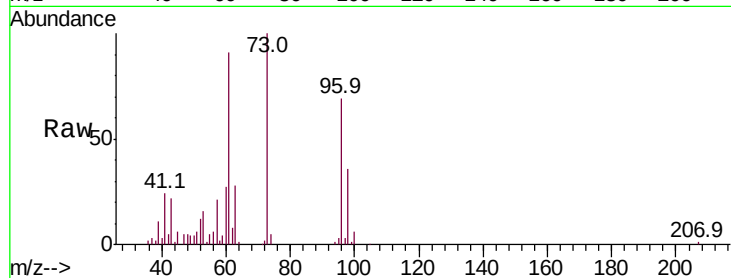
Tot Ion: 96 Resp: 43152

Ion Ratio Lower Upper

96 100

61 131.2 116.2 174.2

98 52.8 49.8 74.6



#22

Diisopropyl ether

Concen: 22.152 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion: 45 Resp: 160426

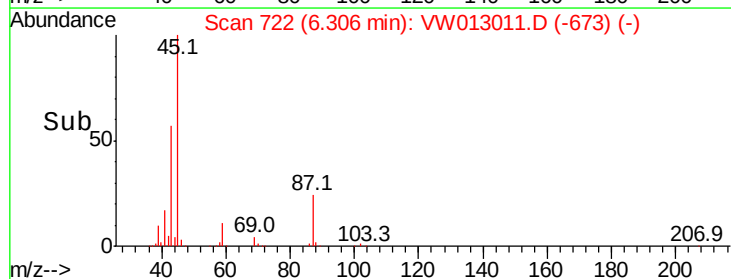
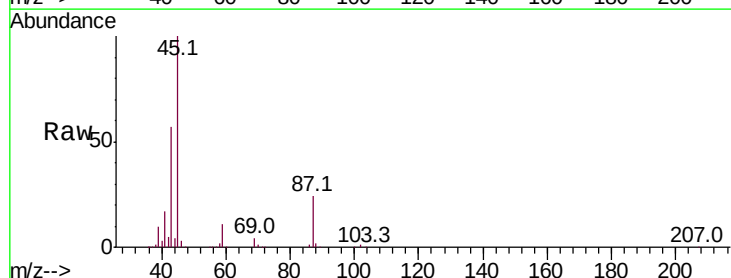
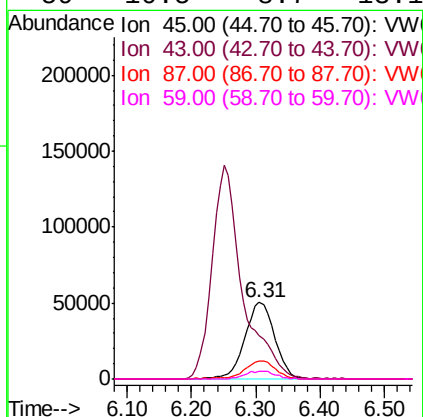
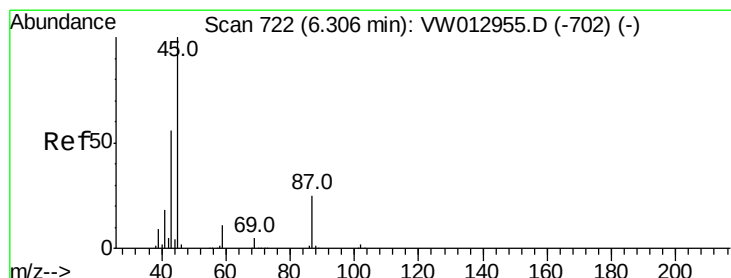
Ion Ratio Lower Upper

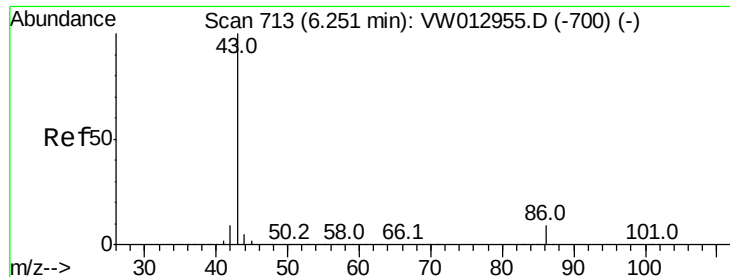
45 100

43 56.7 44.6 67.0

87 23.8 20.0 30.0

59 10.5 8.7 13.1





#23

Vinyl Acetate

Concen: 107.041 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

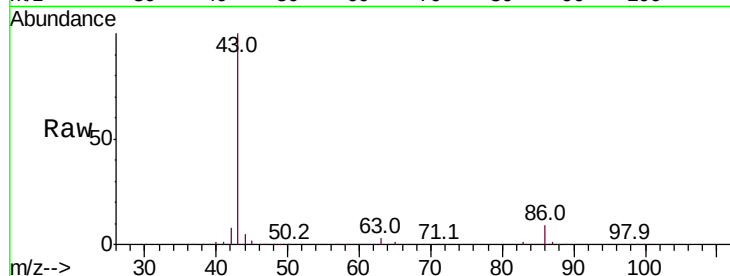
ClientSampled :

Tot Ion: 43 Resp: 464292

Ion Ratio Lower Upper

43 100

86 9.0 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

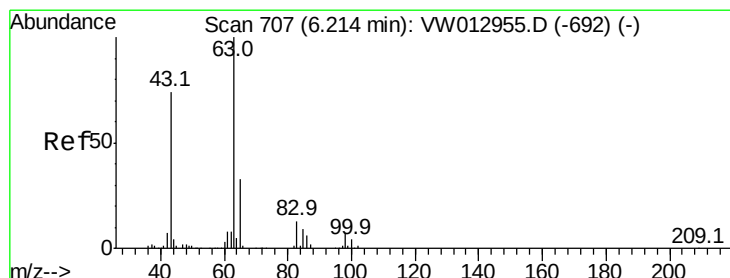
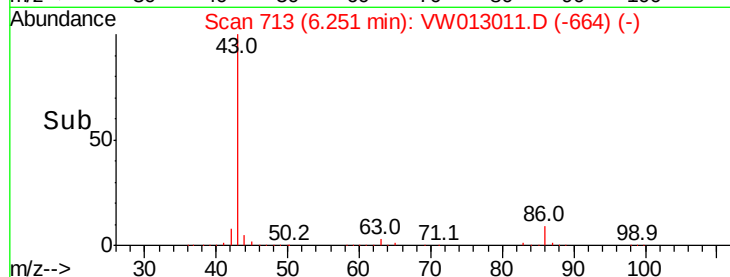
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.131 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

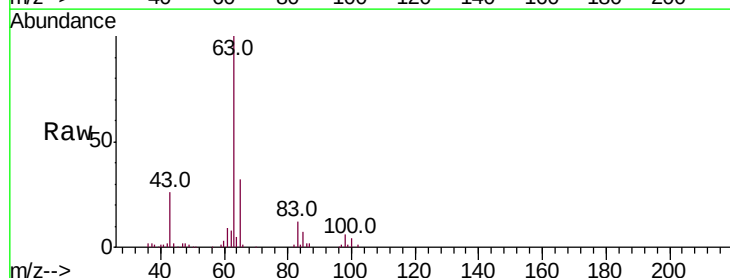
Tgt Ion: 63 Resp: 88233

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.0 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

40000

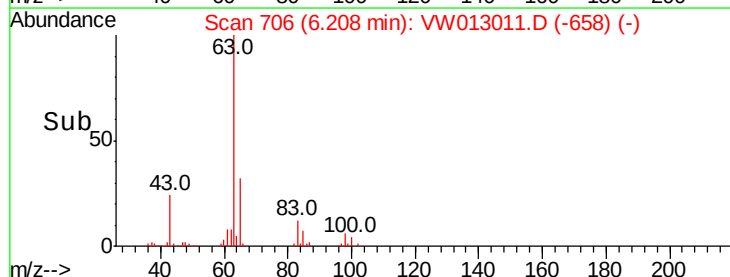
30000

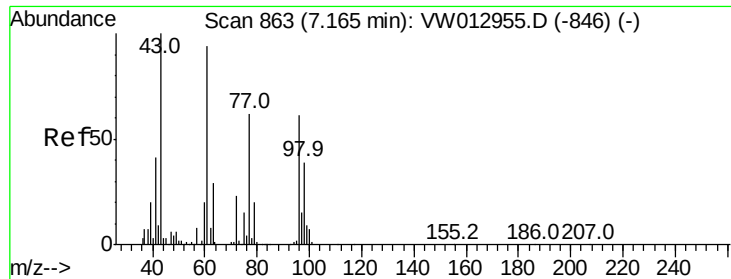
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.512 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

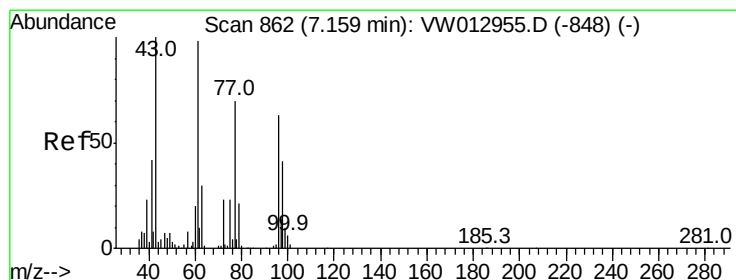
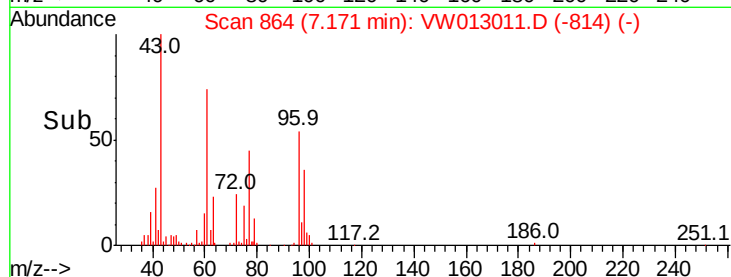
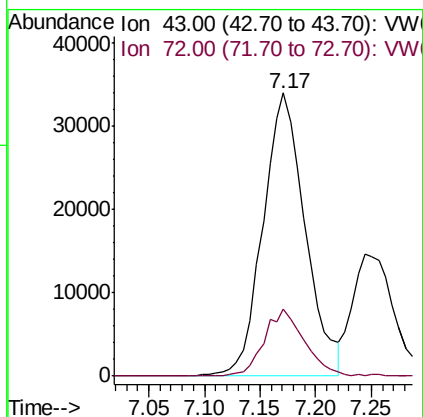
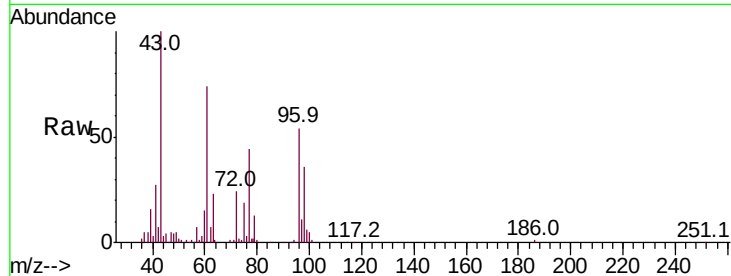
ClientSampleId :

Tot Ion: 43 Resp: 89463

Ion Ratio Lower Upper

43 100

72 23.6 18.2 27.4



#26

2,2-Dichloropropane

Concen: 16.781 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013011.D

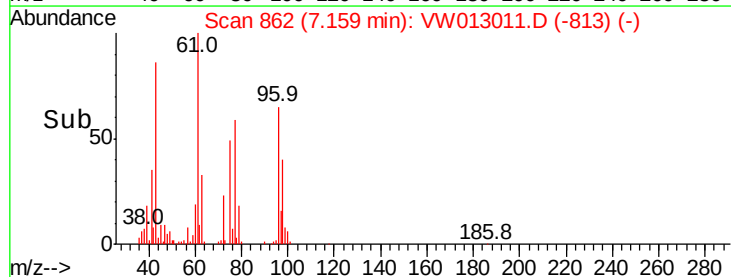
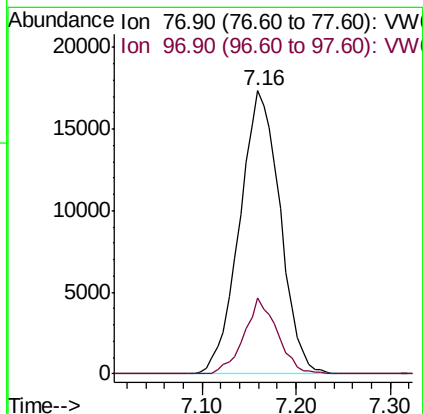
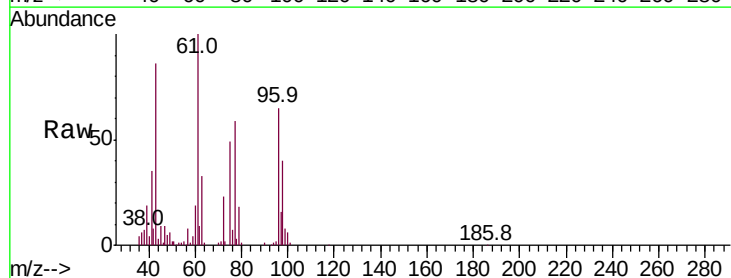
Acq: 15 Sep 2019 00:33

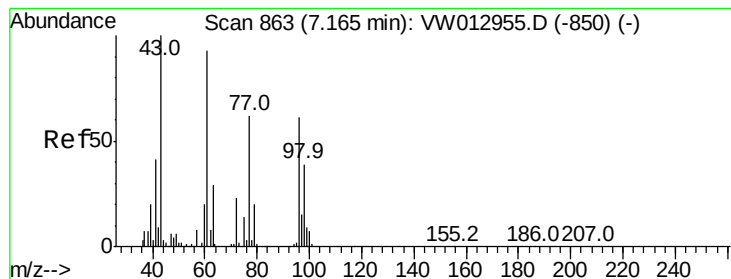
Tgt Ion: 77 Resp: 52102

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1



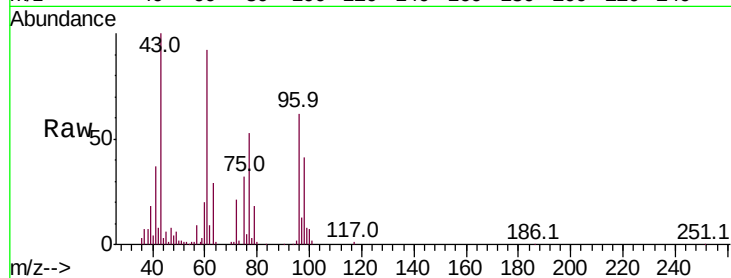


#27

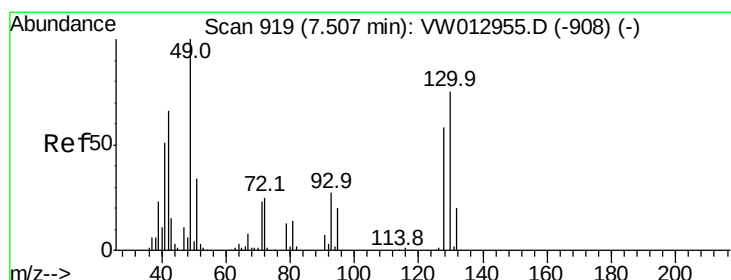
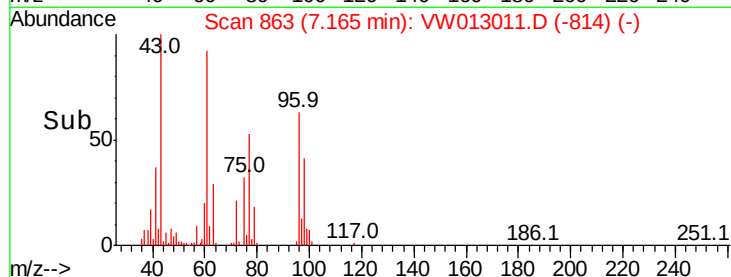
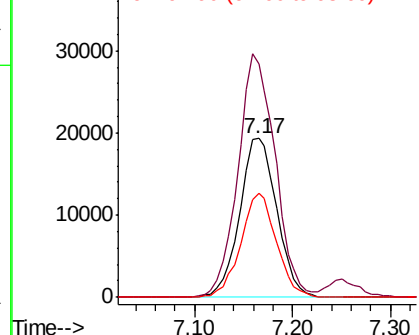
cis-1,2-Dichloroethene
Concen: 21.666 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 51015
Ion Ratio Lower Upper
96 100
61 153.1 0.0 315.4
98 62.9 0.0 131.0



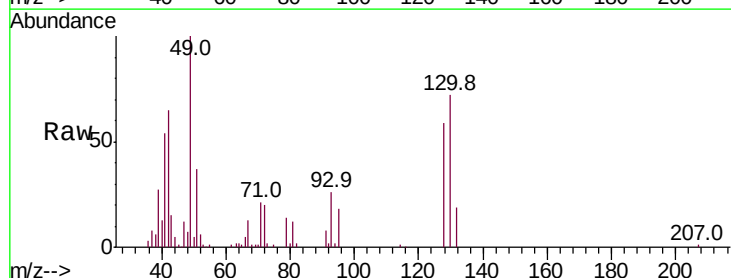
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



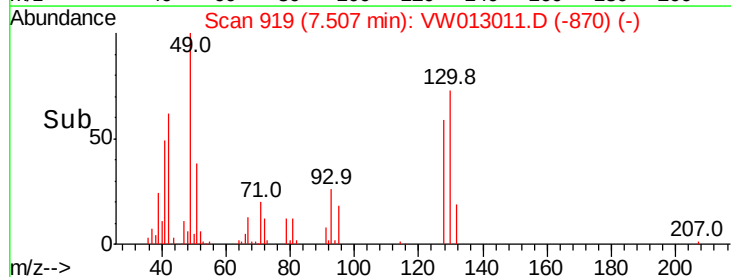
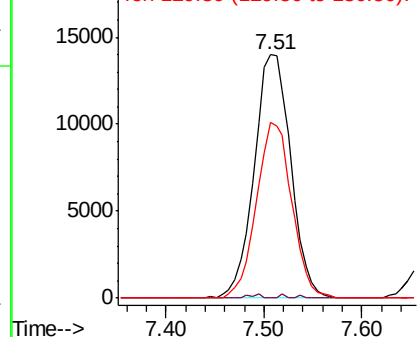
#28

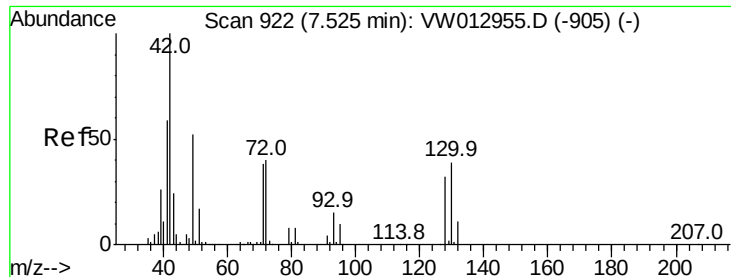
Bromochloromethane
Concen: 20.677 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 49 Resp: 36340
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 69.8 57.8 86.6



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

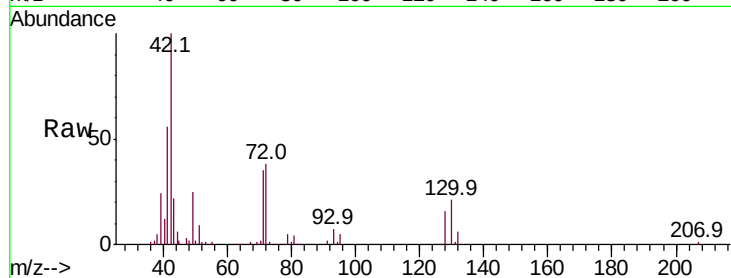




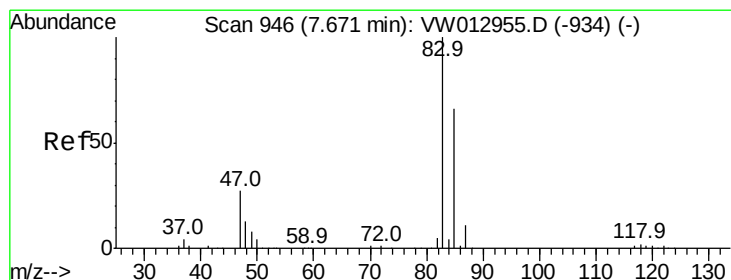
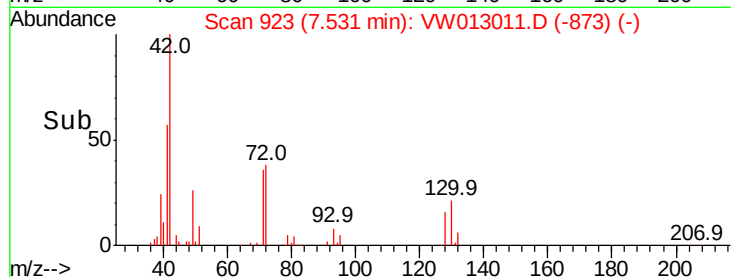
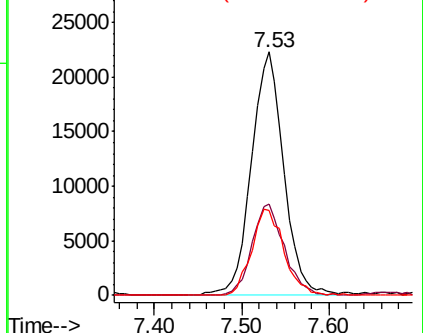
#29
Tetrahydrofuran
Concen: 129.134 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 57483
Ion Ratio Lower Upper
42 100
72 37.4 31.4 47.0
71 35.5 29.8 44.8

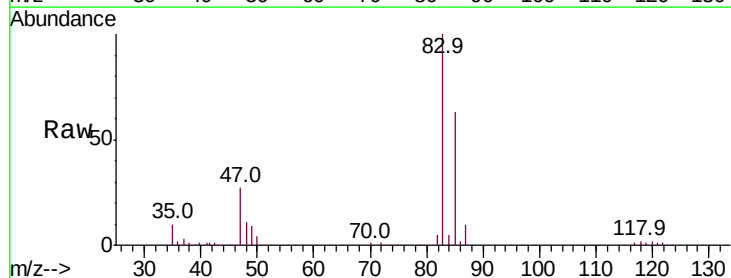


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

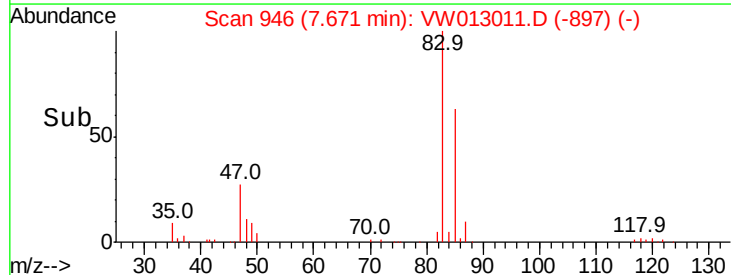
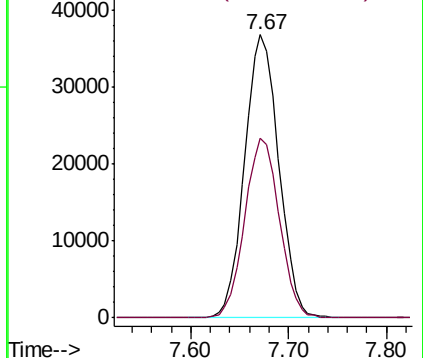


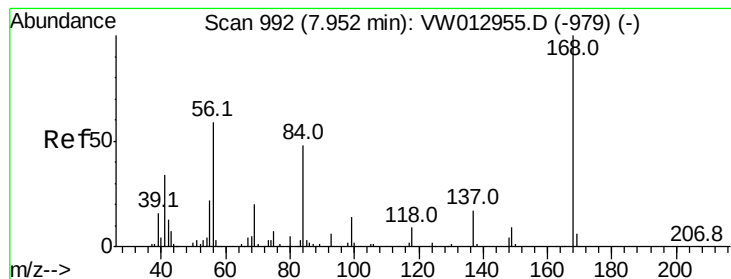
#30
Chloroform
Concen: 21.036 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 83 Resp: 89250
Ion Ratio Lower Upper
83 100
85 63.3 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: 21.910 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

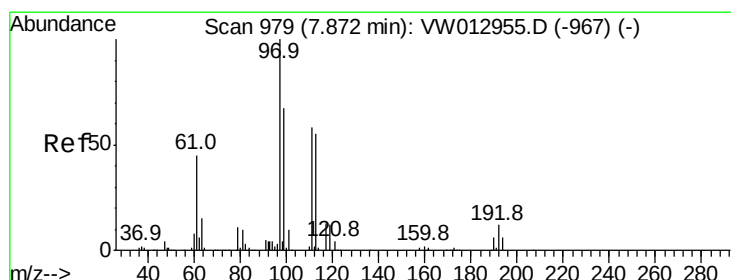
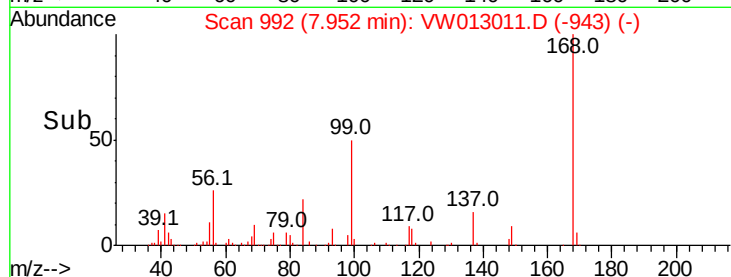
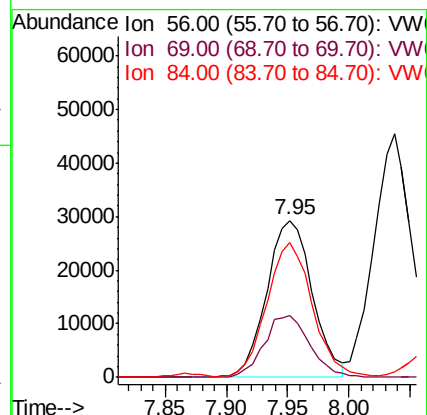
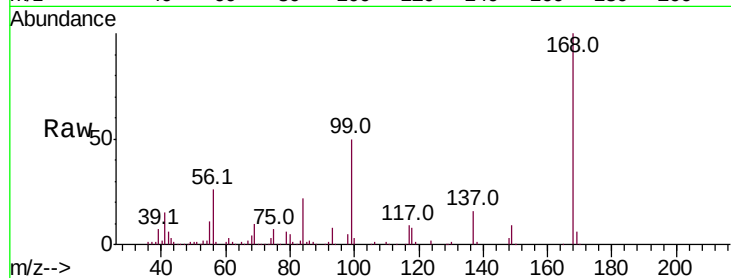
Tot Ion: 56 Resp: 76161

Ion Ratio Lower Upper

56 100

69 39.7 27.0 40.6

84 84.1 66.2 99.2



#32

1,1,1-Trichloroethane

Concen: 20.877 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

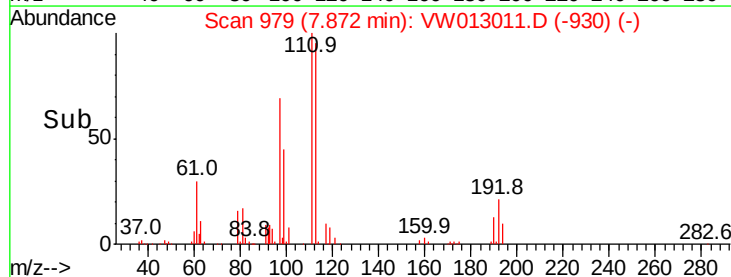
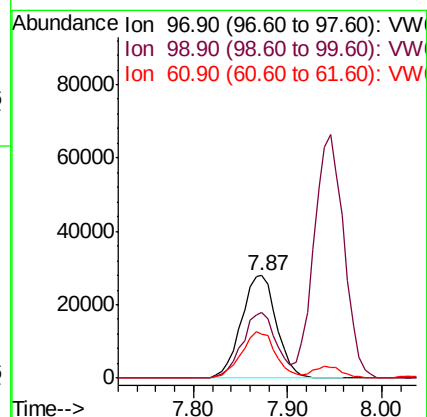
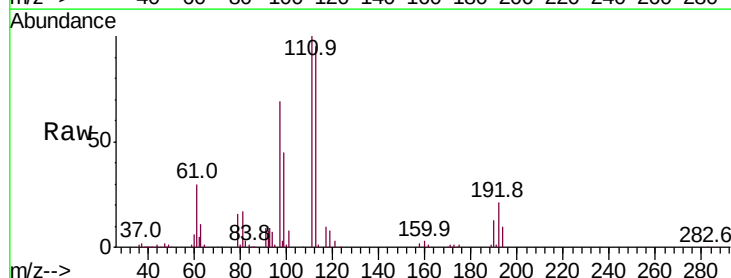
Tgt Ion: 97 Resp: 72941

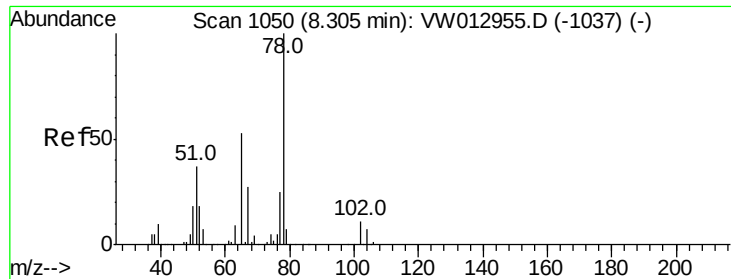
Ion Ratio Lower Upper

97 100

99 61.8 53.0 79.4

61 44.3 36.5 54.7

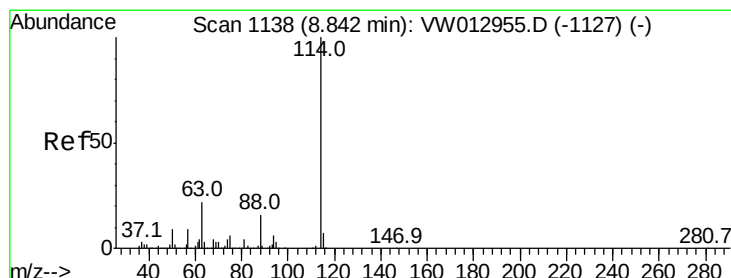
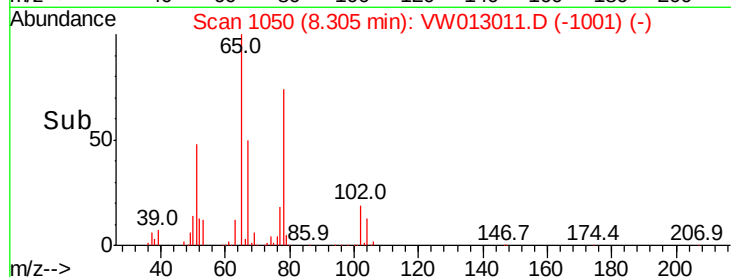
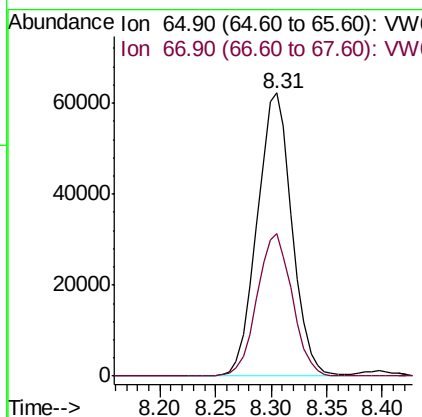
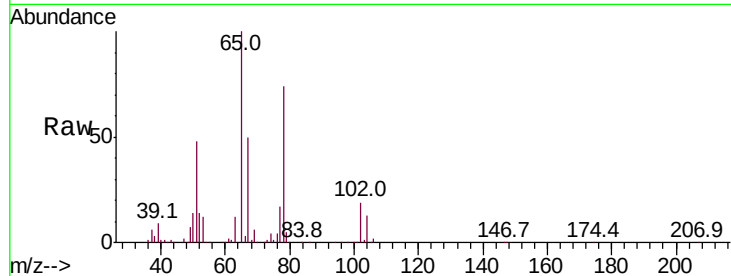




#33
 1,2-Dichloroethane-d4
 Concen: 55.133 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

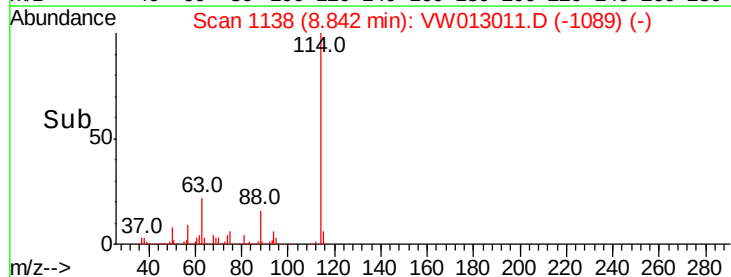
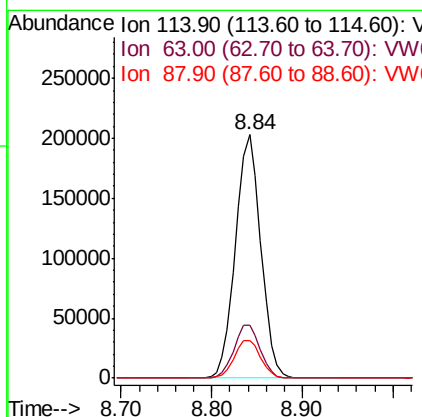
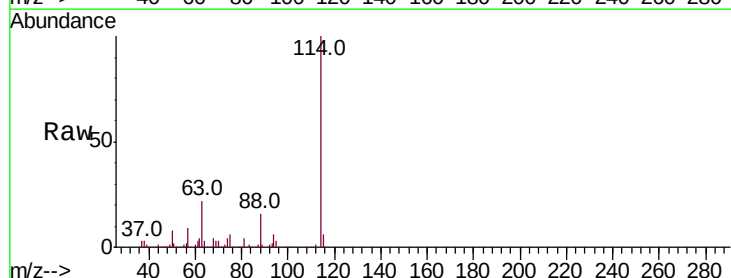
Instrument :
 MSVOA_W
 ClientSampleId :

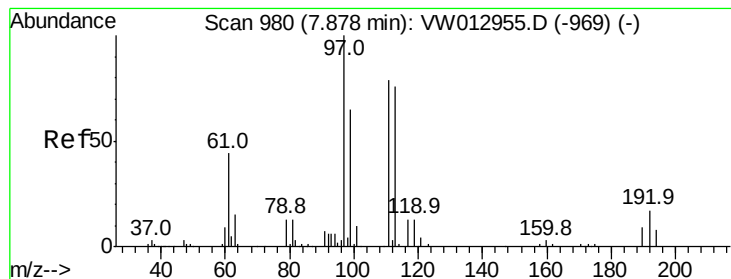
Tot Ion: 65 Resp: 135459
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion: 114 Resp: 393278
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.949 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

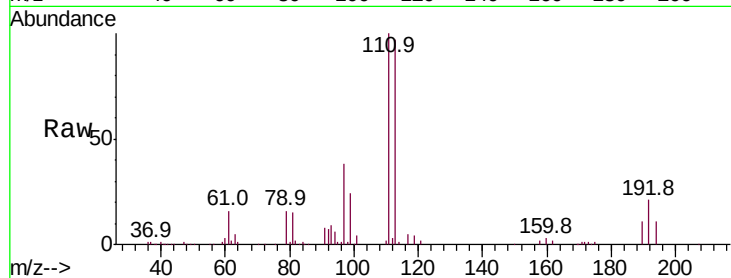
Tot Ion:113 Resp: 110857

Ion Ratio Lower Upper

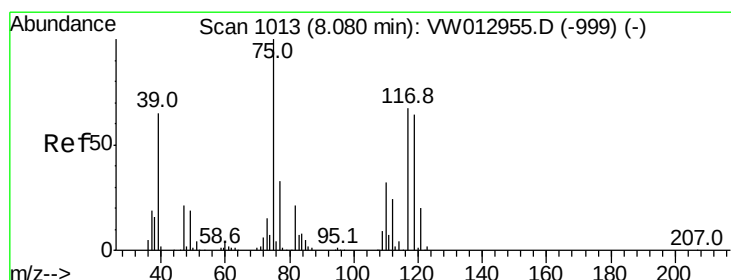
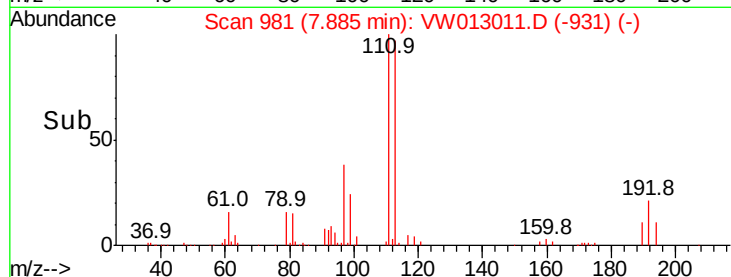
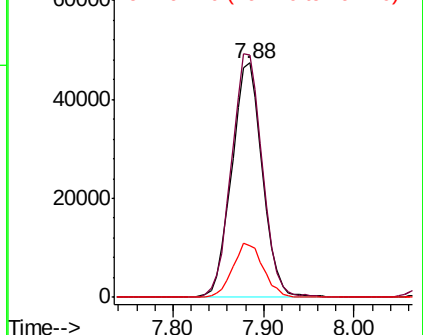
113 100

111 104.6 82.8 124.2

192 23.0 17.8 26.8



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



#36

1,1-Dichloropropene

Concen: 20.687 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

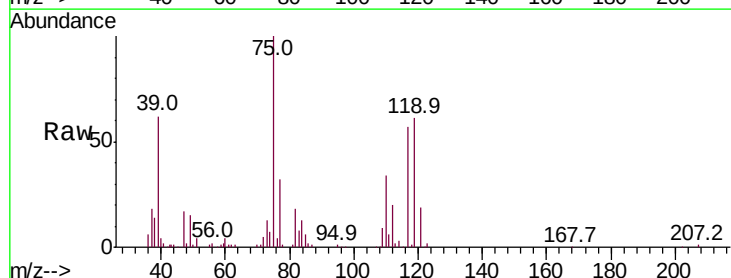
Tgt Ion: 75 Resp: 65013

Ion Ratio Lower Upper

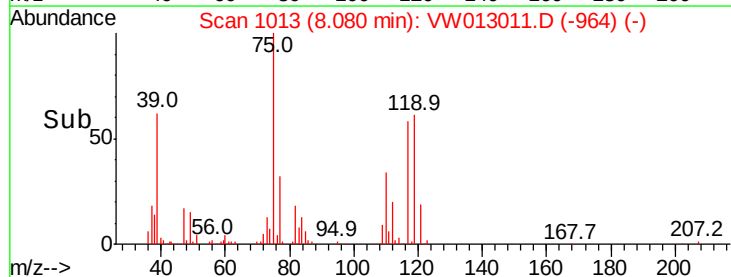
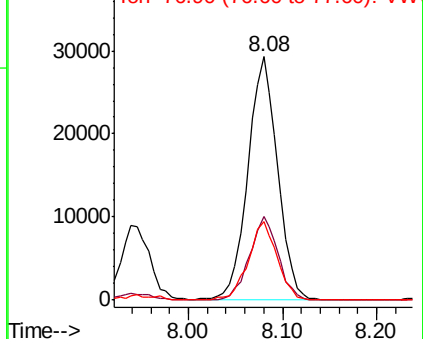
75 100

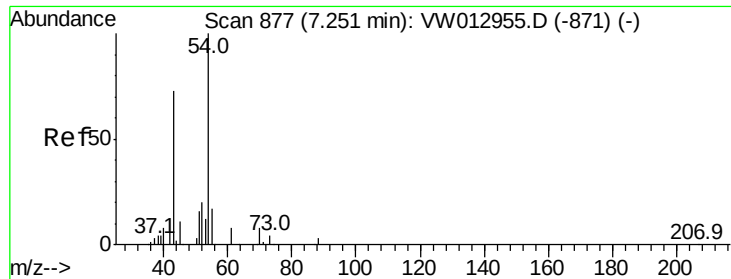
110 33.0 16.4 49.1

77 31.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

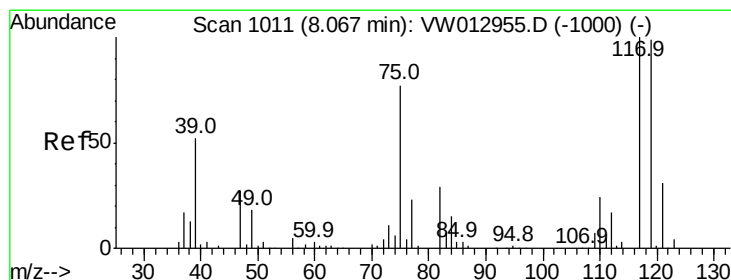
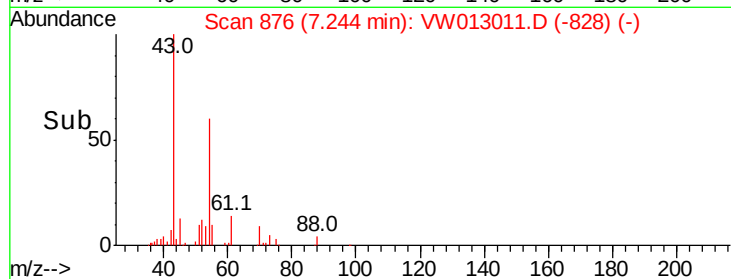
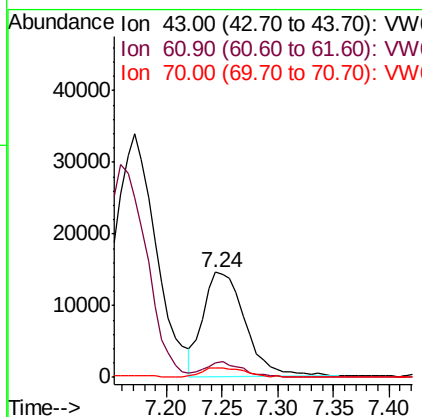
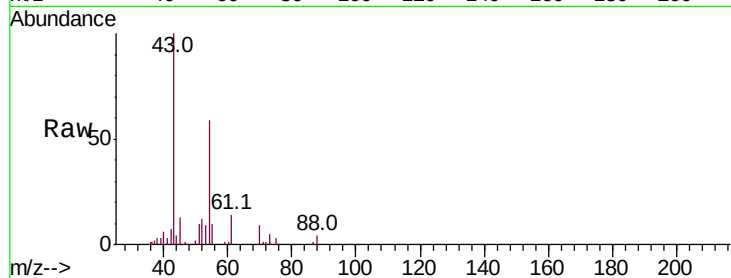




#37
Ethyl Acetate
Concen: 22.959 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

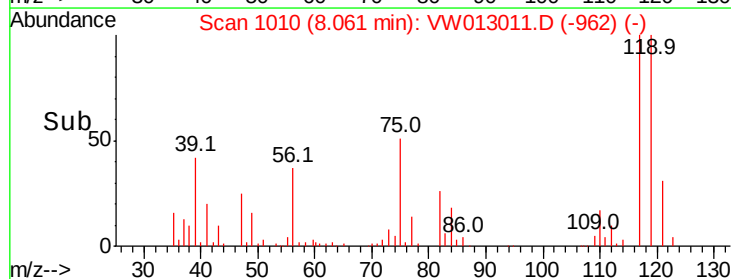
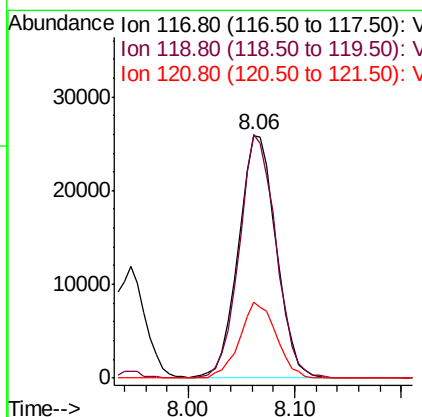
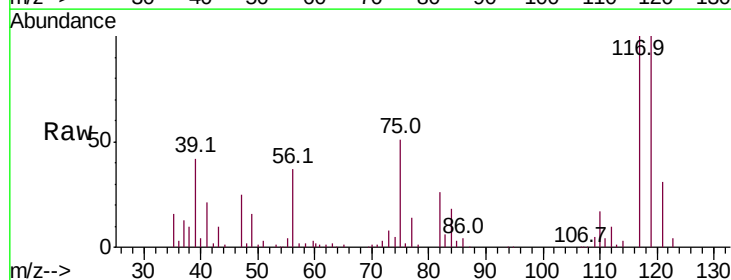
Instrument :
MSVOA_W
ClientSampled :

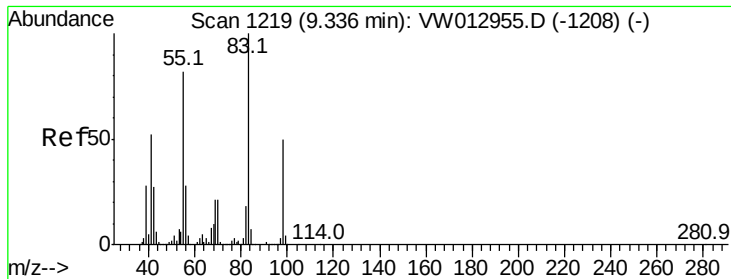
Tot Ion: 43 Resp: 38297
Ion Ratio Lower Upper
43 100
61 13.4 9.6 14.4
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.993 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 117 Resp: 64389
Ion Ratio Lower Upper
117 100
119 100.3 79.4 119.0
121 31.5 24.6 36.8

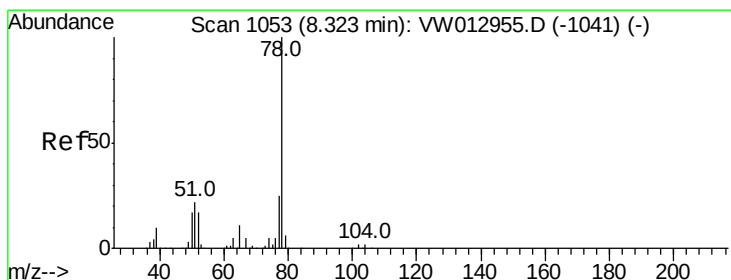
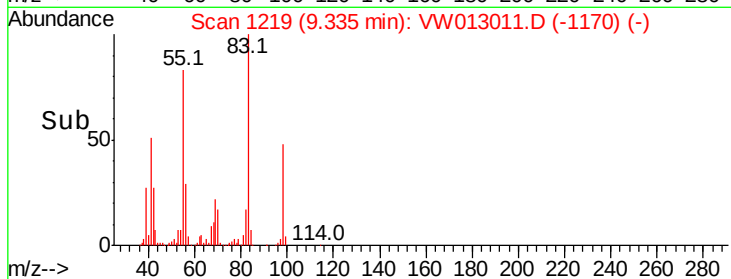
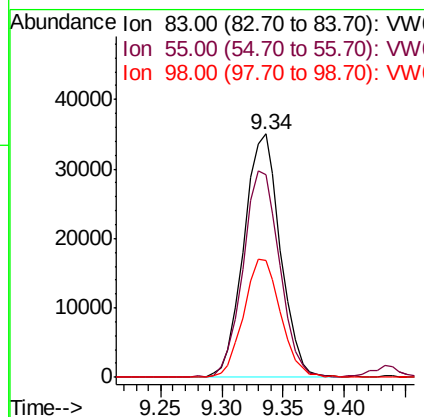
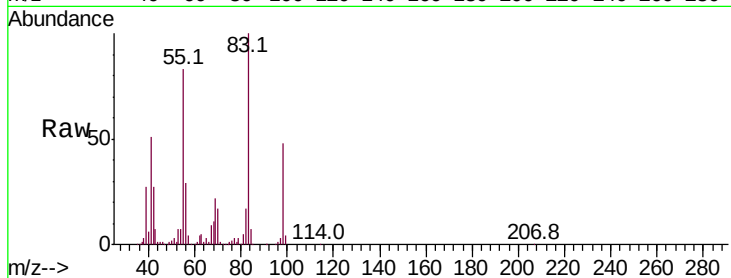




#39
Methylvlcyclohexane
Concen: 21.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

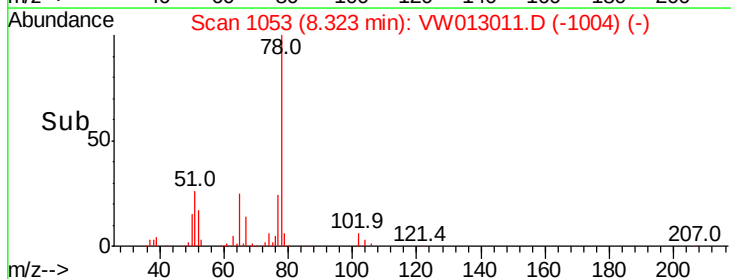
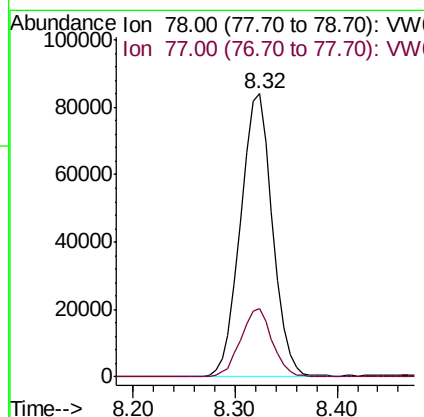
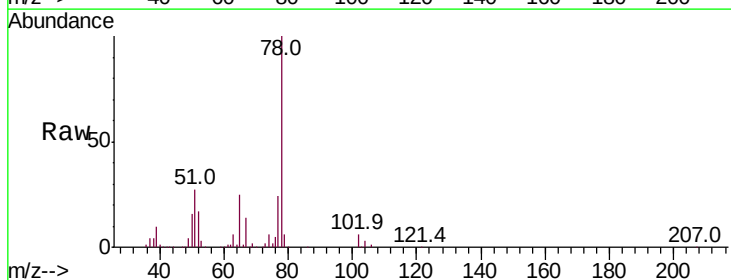
Instrument :
MSVOA_W
ClientSampled :

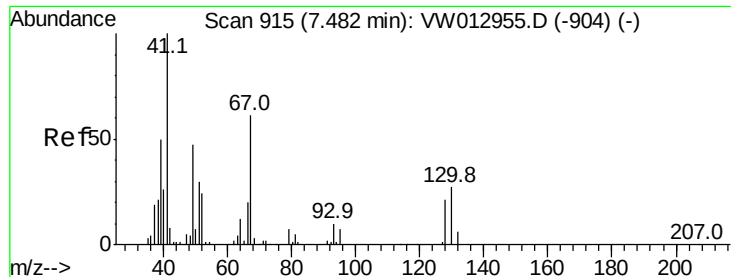
Tot Ion	83	Resp	72937
Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.9	98.9
98	48.0	39.6	59.4



#40
Benzene
Concen: 20.942 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	78	Resp	183725
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4

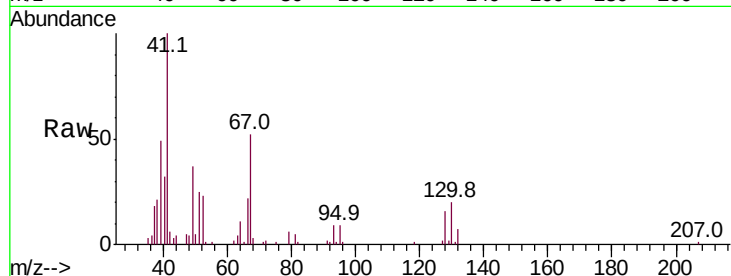




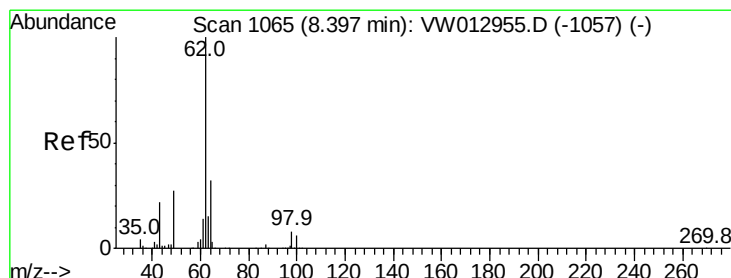
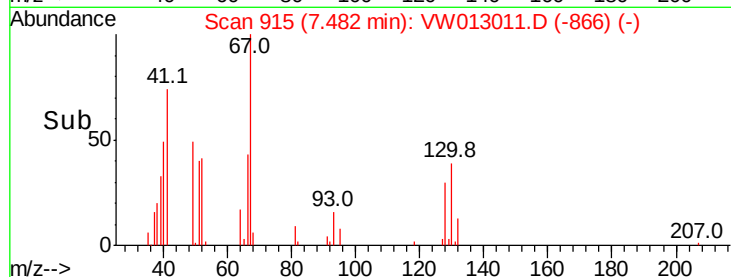
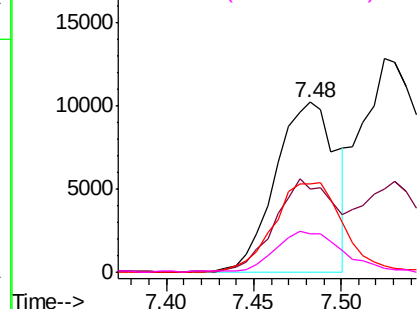
#41
Methacrylonitrile
Concen: 22.577 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	24800
Ion	Ratio	Lower	Upper
41	100		
39	53.1	48.2	72.4
67	59.8	47.5	71.3
52	27.2	21.0	31.4

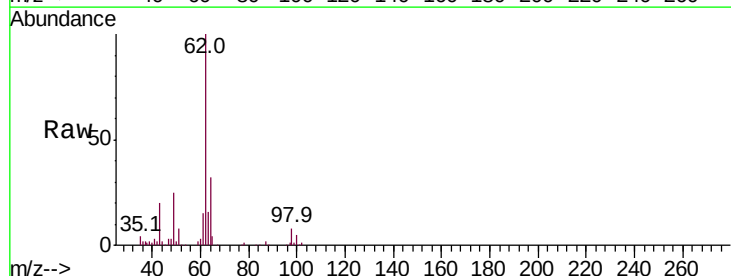


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

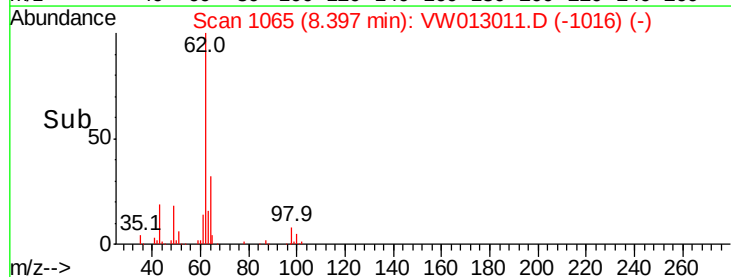
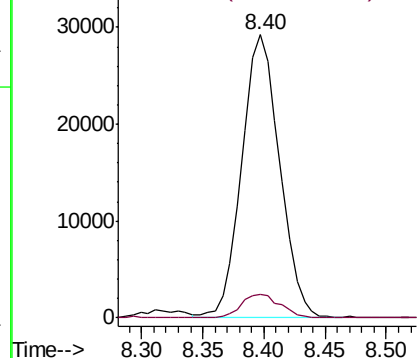


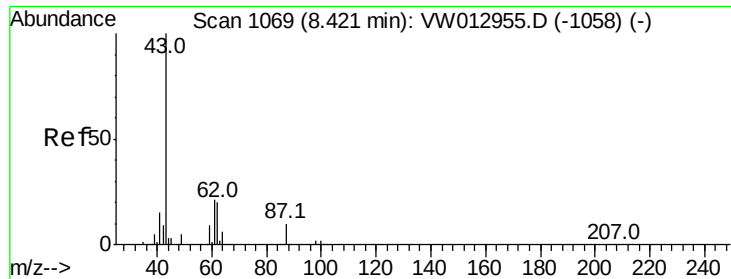
#42
1,2-Dichloroethane
Concen: 21.266 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:	62	Resp:	62541
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 23.273 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

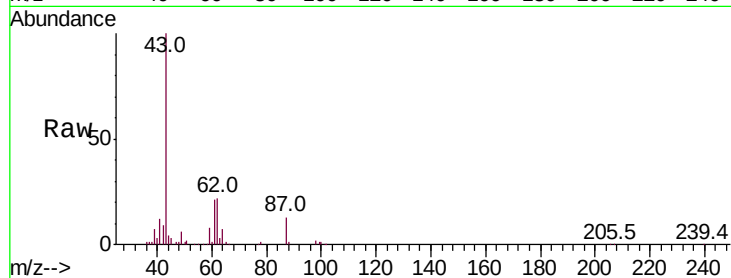
Tot Ion: 43 Resp: 74539

Ion Ratio Lower Upper

43 100

61 28.1 22.7 34.1

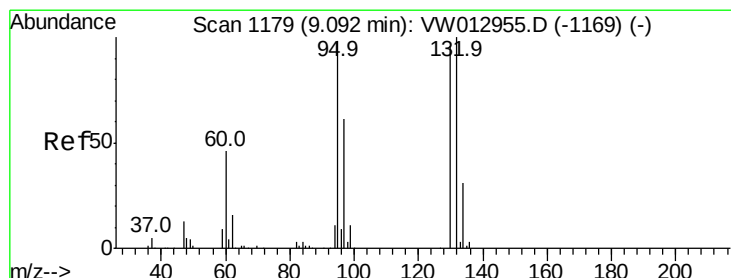
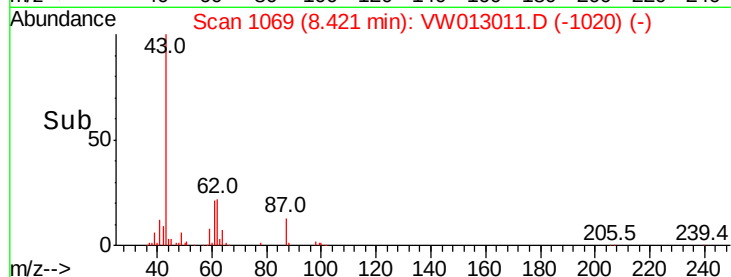
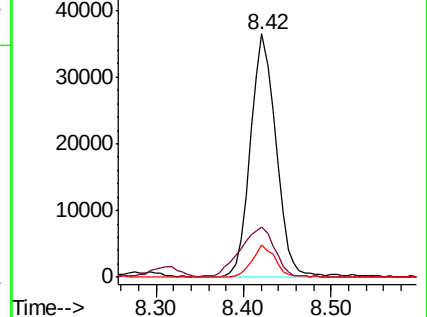
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.098 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013011.D

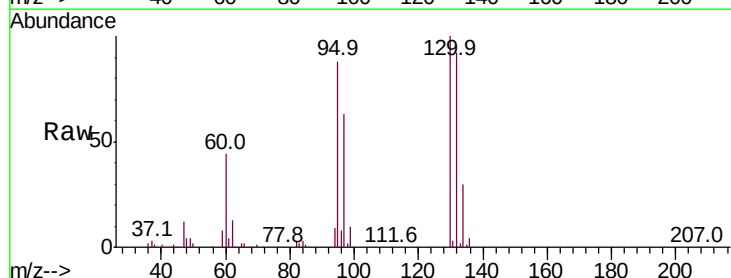
Acq: 15 Sep 2019 00:33

Tgt Ion:130 Resp: 50699

Ion Ratio Lower Upper

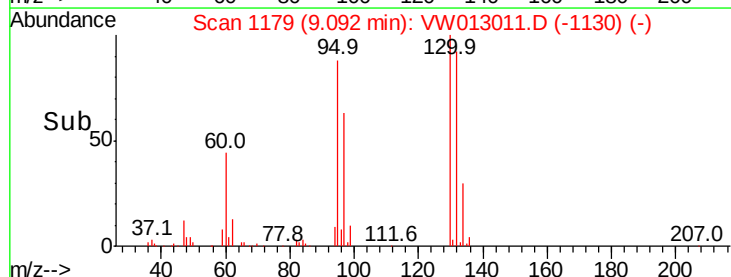
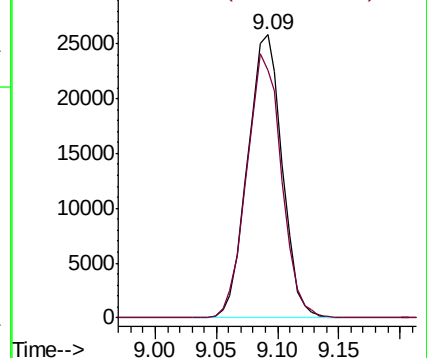
130 100

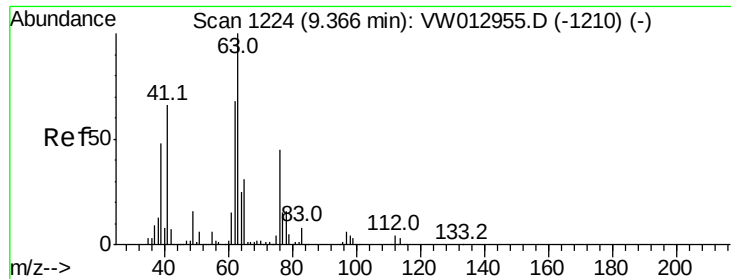
95 87.5 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

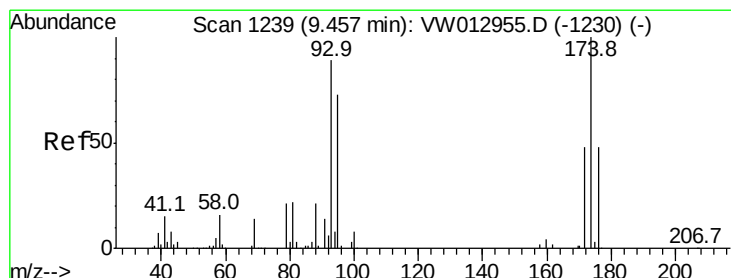
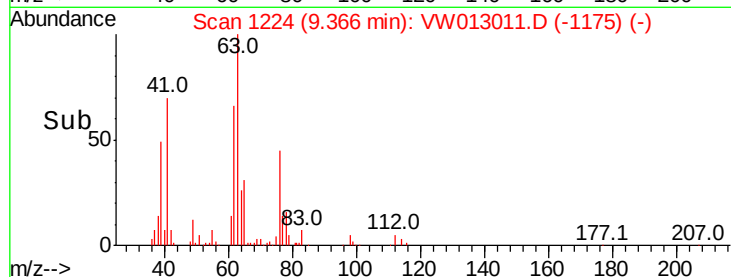
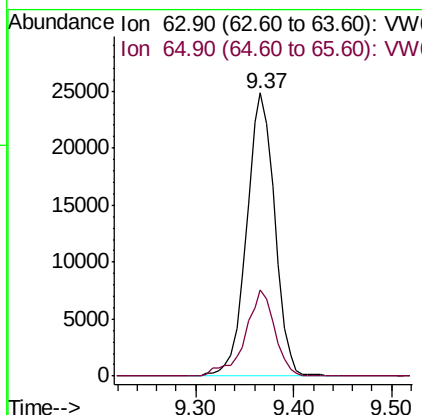
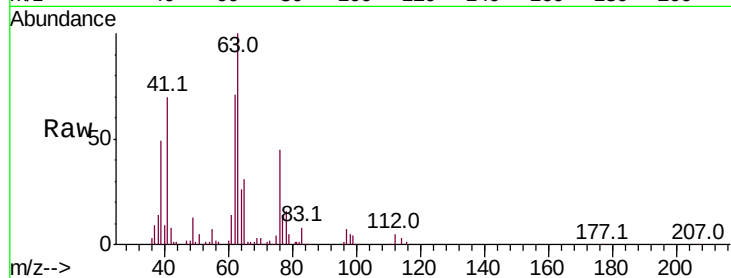




#45
 1,2-Dichloropropane
 Concen: 21.132 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

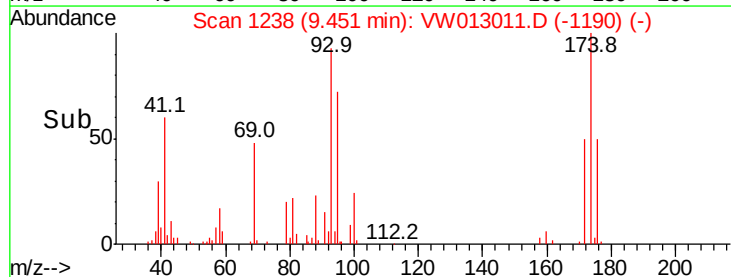
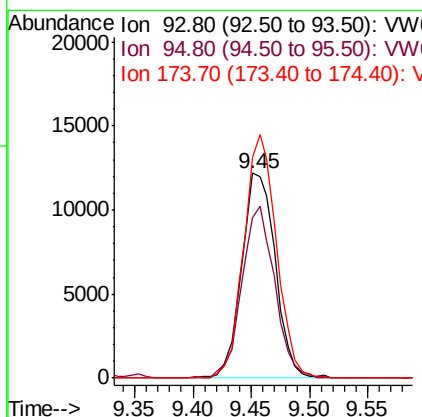
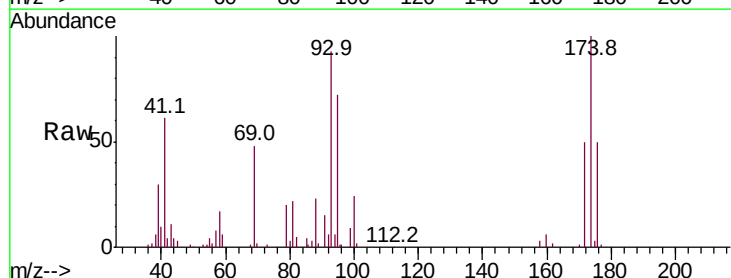
Instrument :
 MSVOA_W
 ClientSampled :

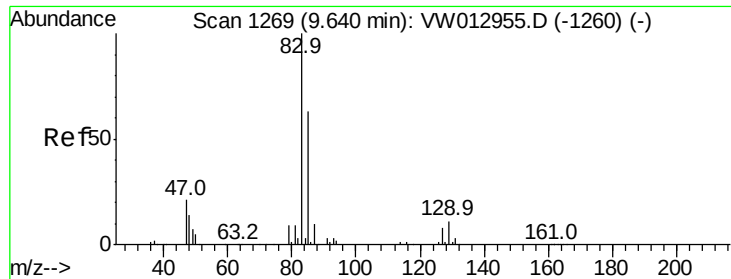
Tot Ion: 63 Resp: 49256
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 22.035 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion: 93 Resp: 24607
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.4
 174 114.7 90.5 135.7

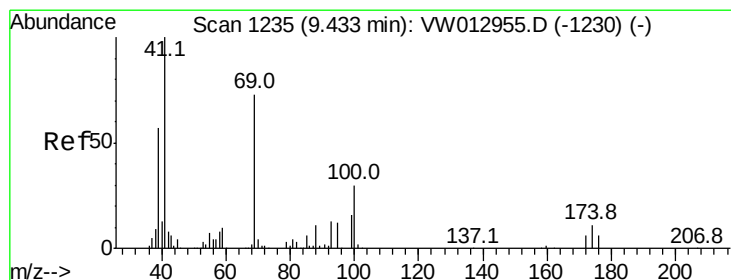
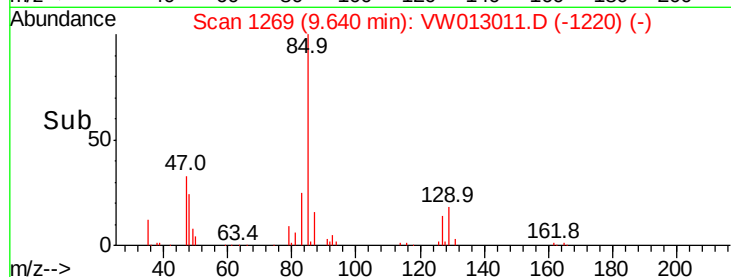
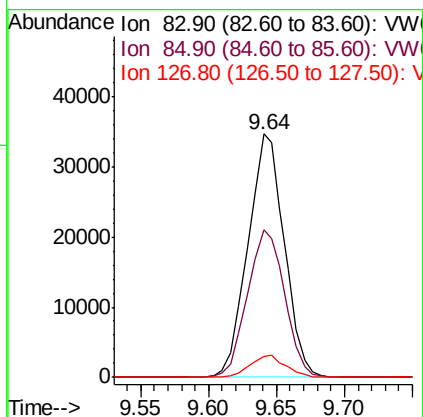
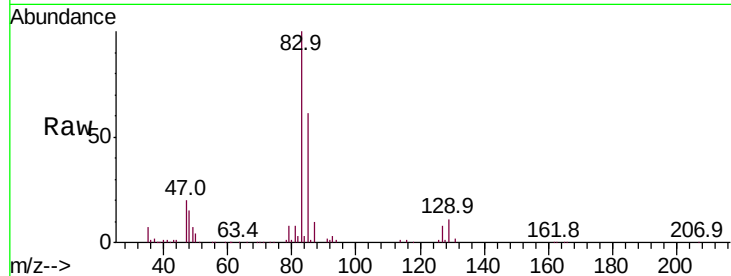




#47
Bromodichloromethane
Concen: 20.732 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

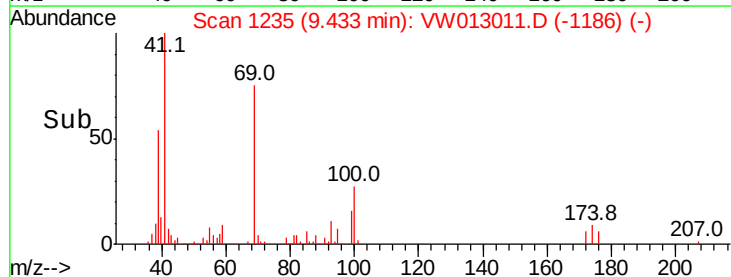
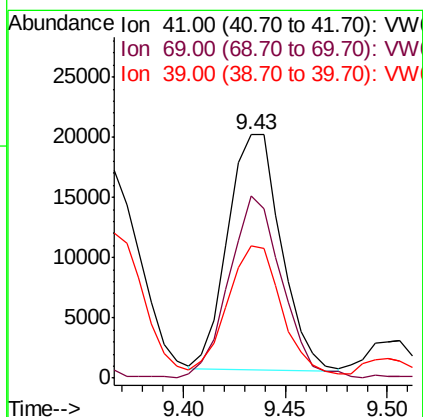
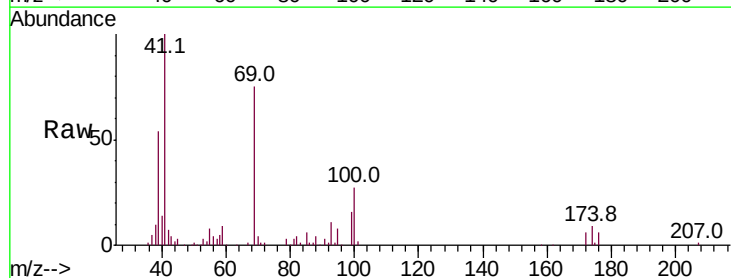
Instrument :
MSVOA_W
ClientSampleId :

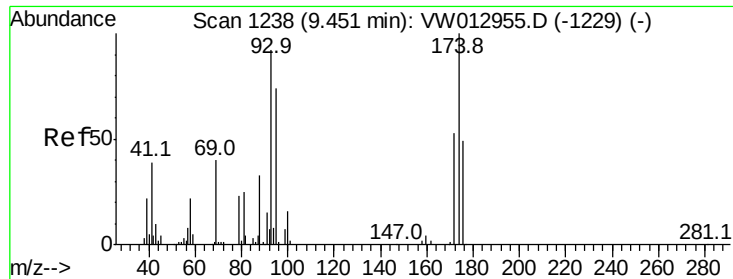
Tot Ion	83	Resp	64941
Ion Ratio	100		
85	60.9	50.6	75.8
127	8.4	6.7	10.1



#48
Methyl methacrylate
Concen: 23.549 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	41	Resp	35396
Ion Ratio	100		
69	77.2	62.8	94.2
39	58.9	48.5	72.7





#49

1,4-Dioxane

Concen: 474.235 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :

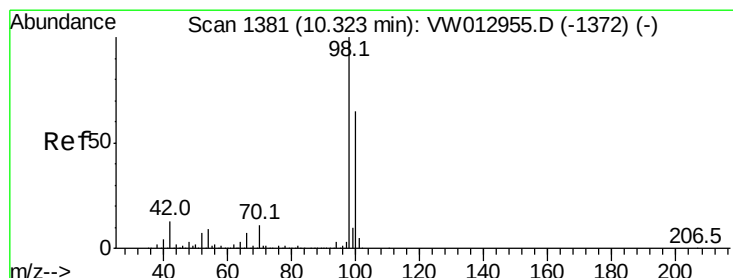
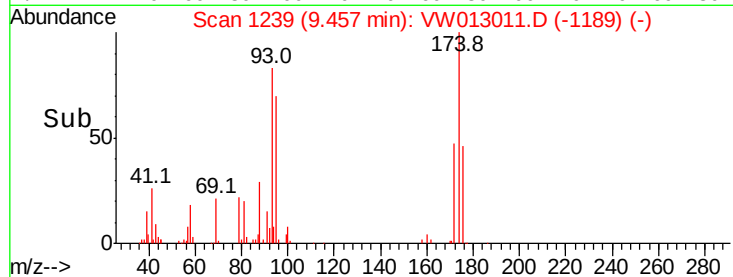
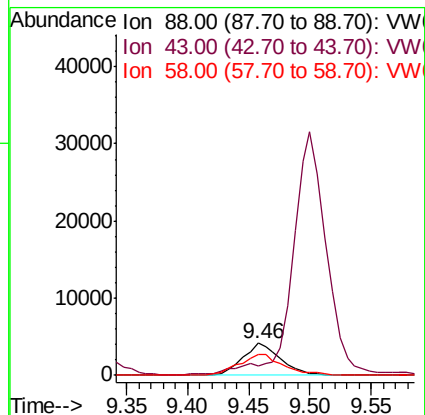
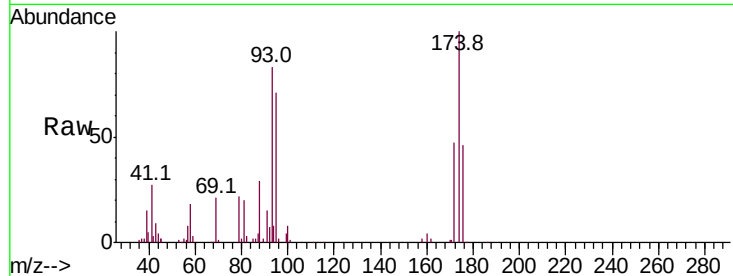
Tot Ion: 88 Resp: 8874

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 77.2 60.2 90.2



#50

Toluene-d8

Concen: 55.500 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013011.D

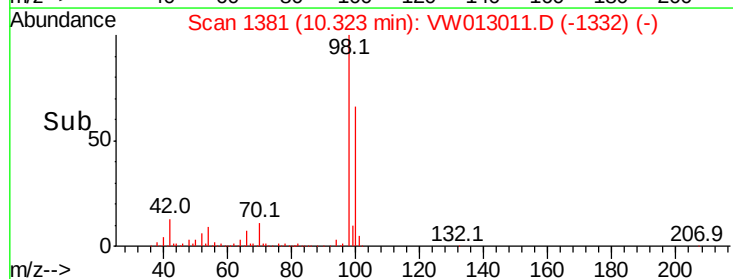
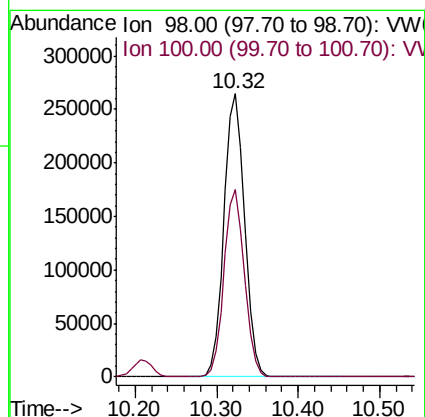
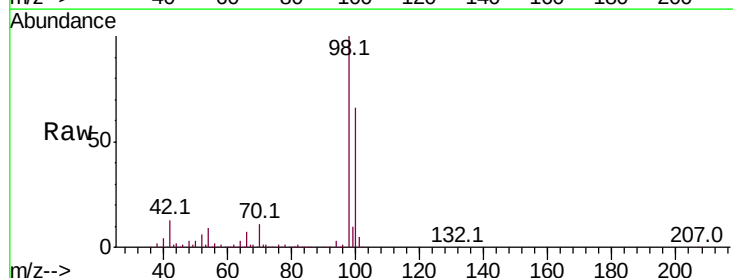
Acq: 15 Sep 2019 00:33

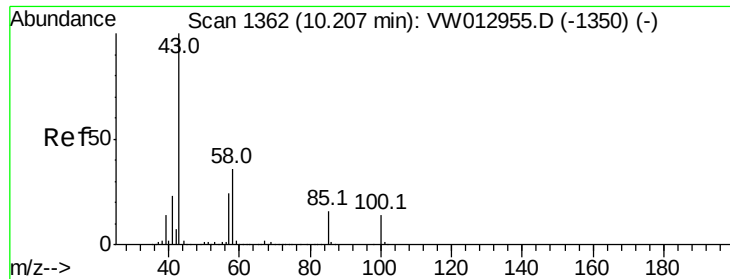
Tgt Ion: 98 Resp: 463453

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1

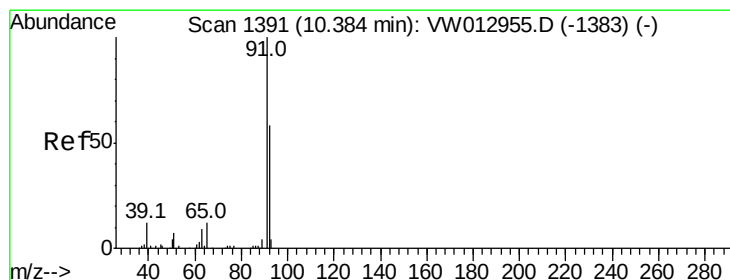
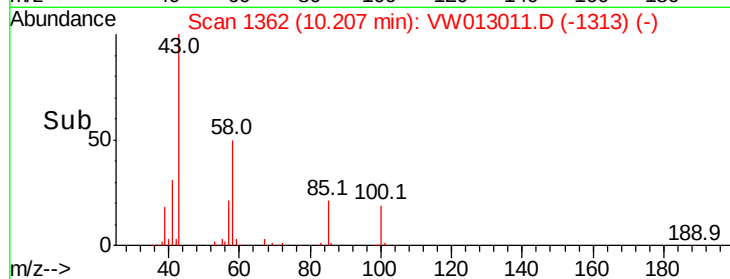
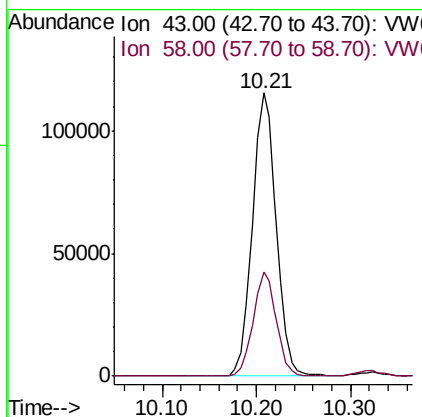
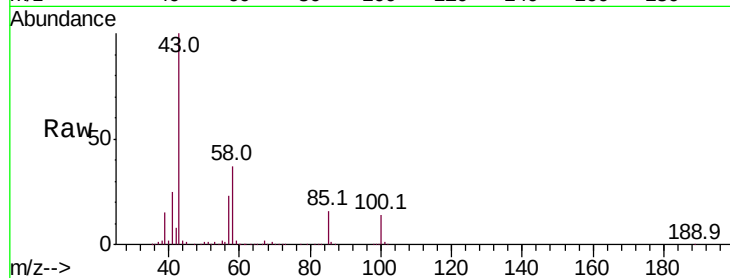




#51
4-Methyl-2-Pentanone
Concen: 124.014 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

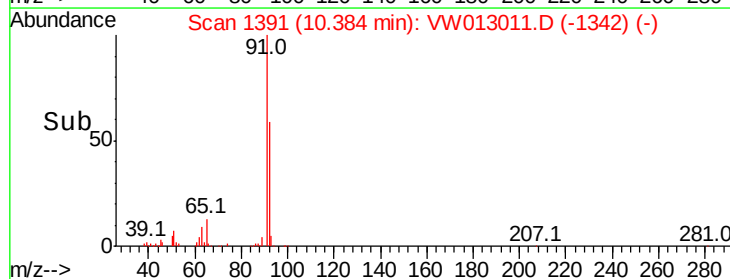
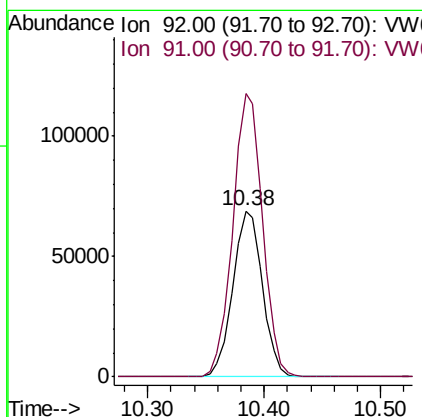
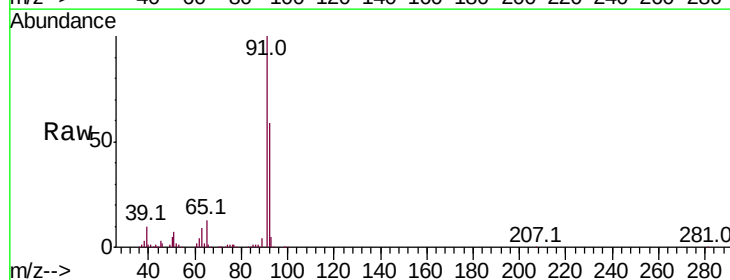
Instrument :
MSVOA_W
ClientSampleId :

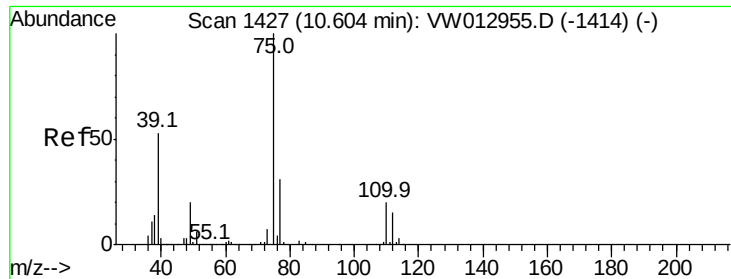
Tot Ion: 43 Resp: 205059
Ion Ratio Lower Upper
43 100
58 35.9 29.5 44.3



#52
Toluene
Concen: 21.833 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 92 Resp: 121715
Ion Ratio Lower Upper
92 100
91 171.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 20.461 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

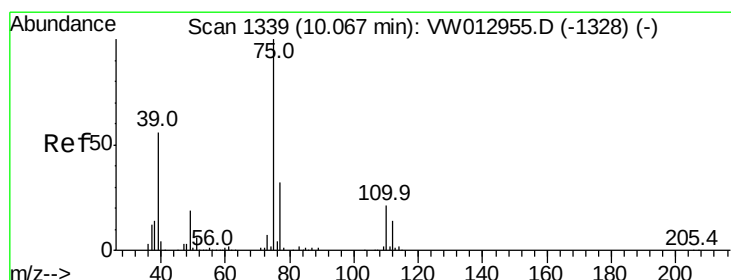
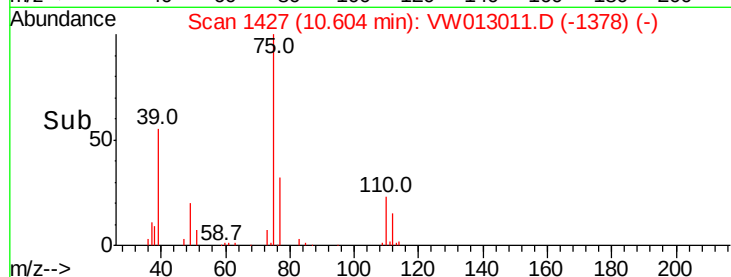
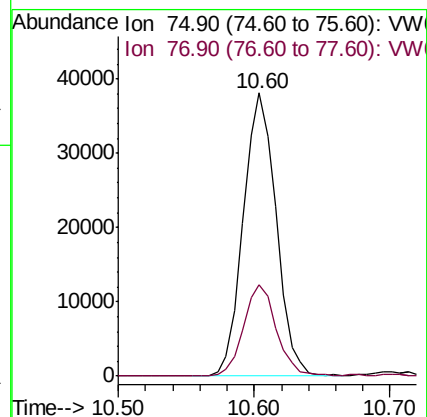
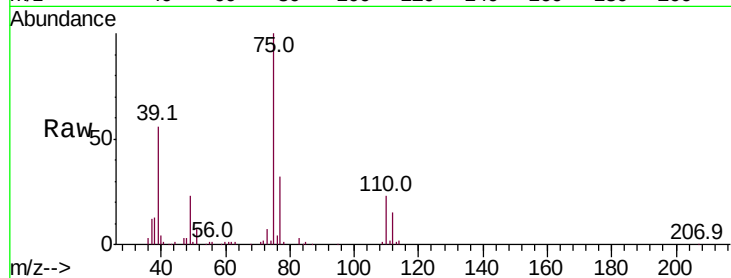
ClientSampleId :

Tot Ion: 75 Resp: 64458

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.548 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

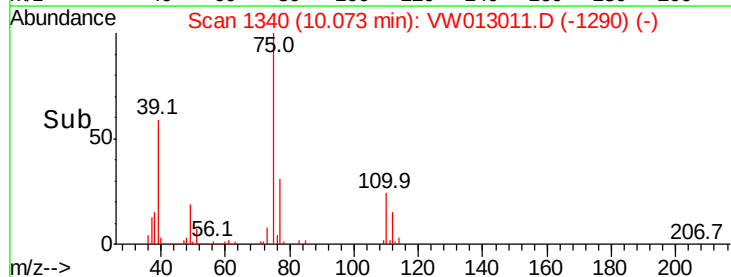
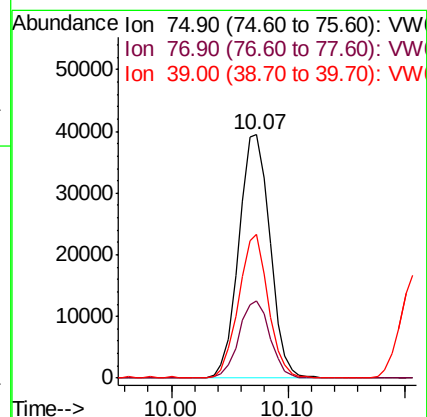
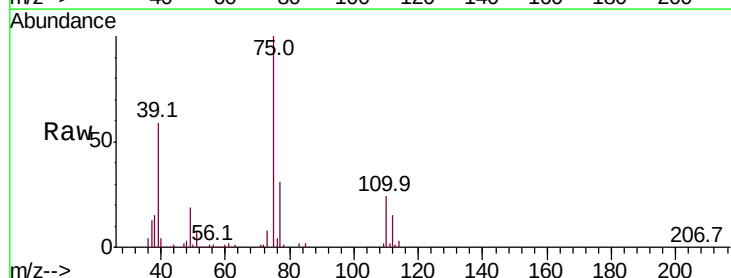
Tgt Ion: 75 Resp: 74066

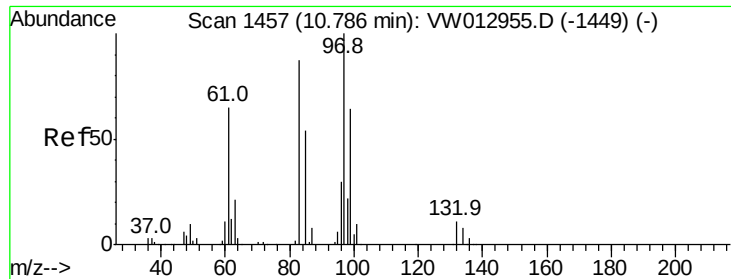
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 59.3 45.0 67.6

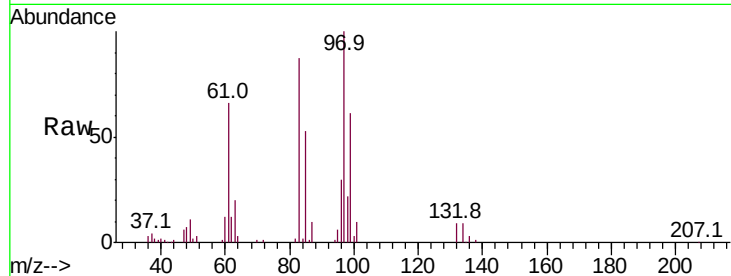




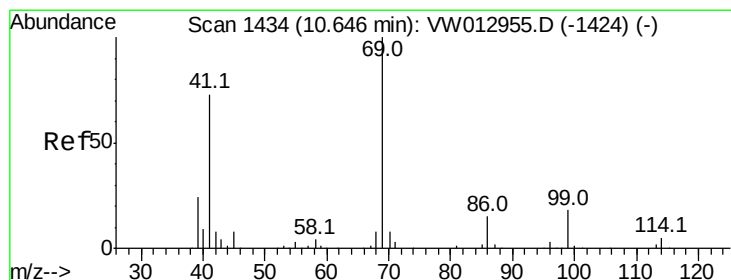
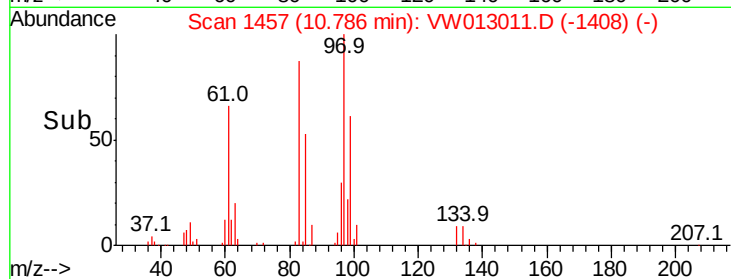
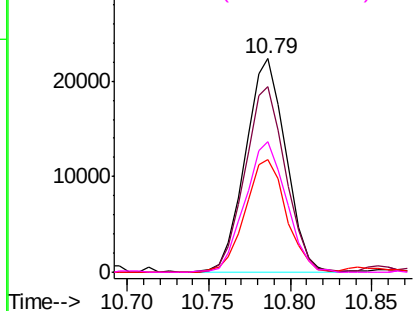
#55
 1,1,2-Trichloroethane
 Concen: 22.608 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	38461
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.0
85	52.9	43.3	64.9
99	61.3	50.9	76.3

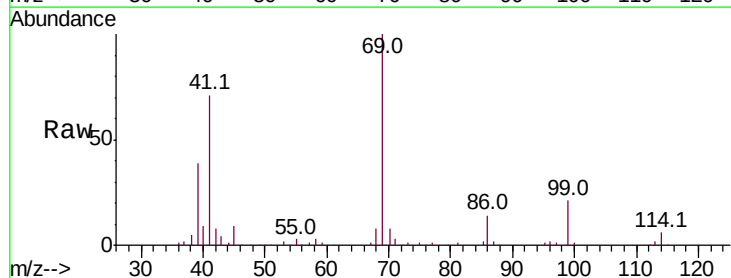


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

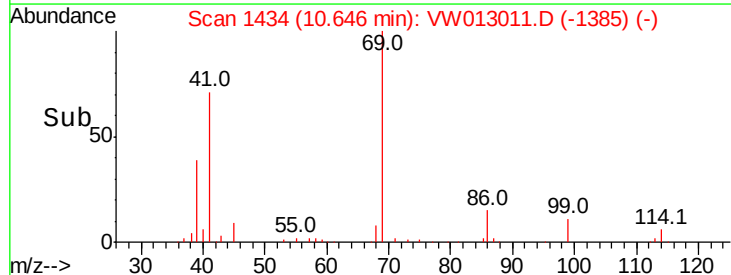
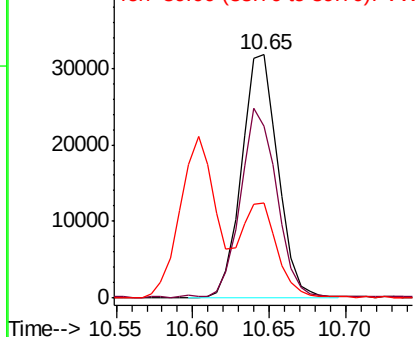


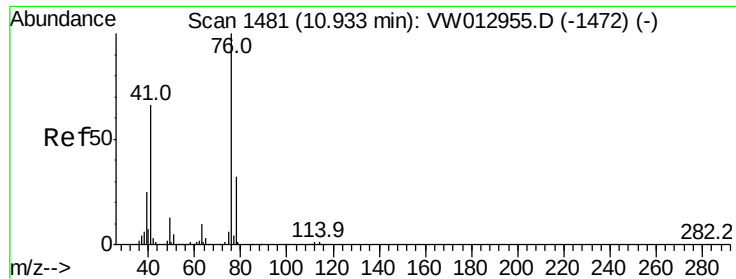
#56
 Ethyl methacrylate
 Concen: 22.873 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion:	69	Resp:	52376
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	34.8	29.4	44.0



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





#57

1,3-Dichloropropane

Concen: 22.618 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

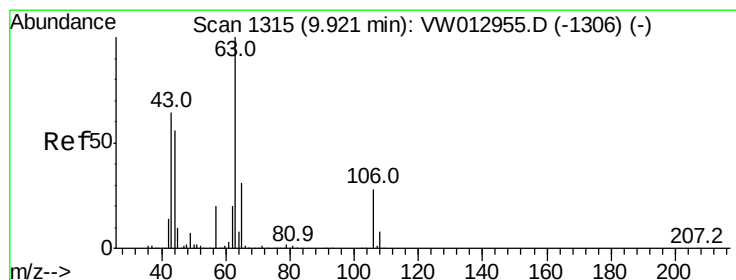
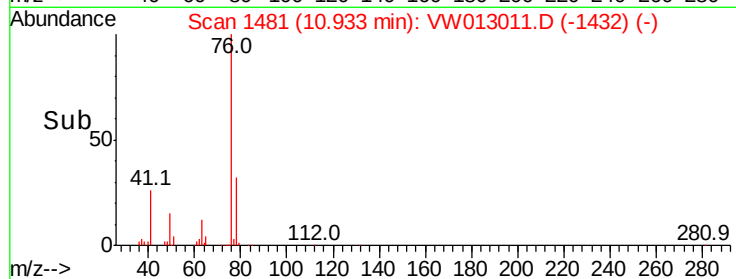
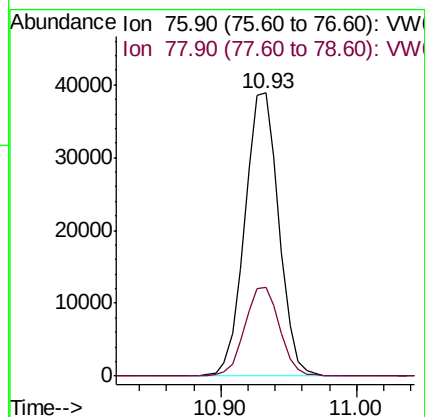
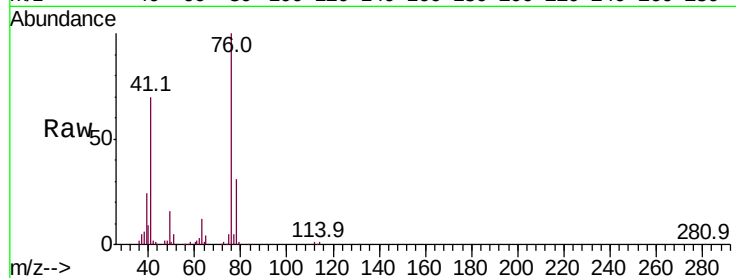
ClientSampleId :

Tot Ion: 76 Resp: 68257

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 110.923 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013011.D

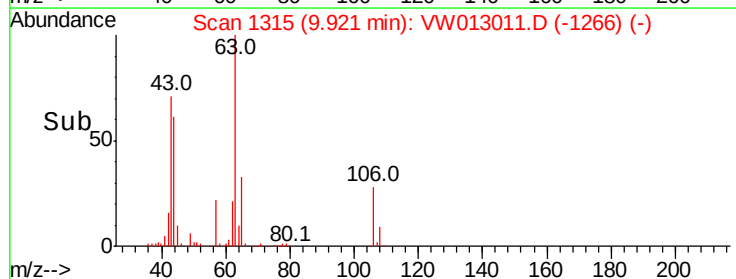
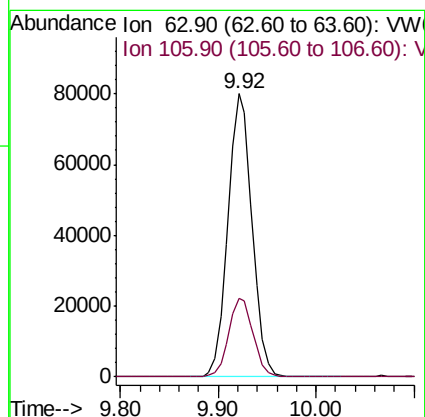
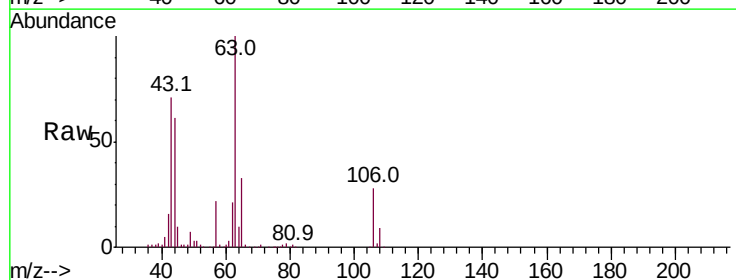
Acq: 15 Sep 2019 00:33

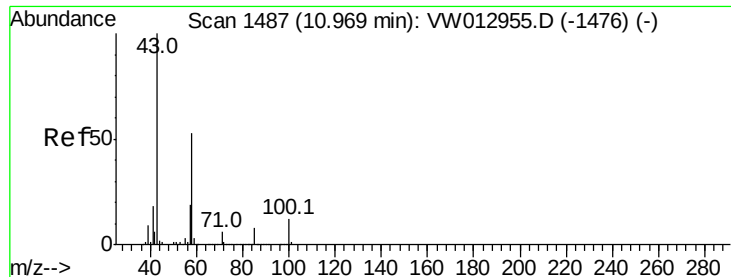
Tgt Ion: 63 Resp: 136254

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.2

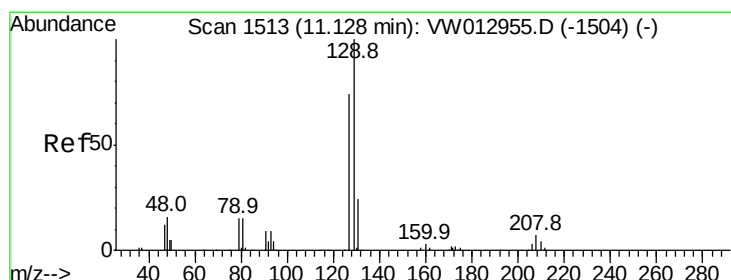
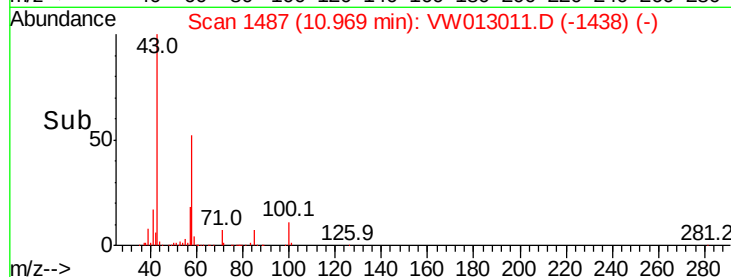
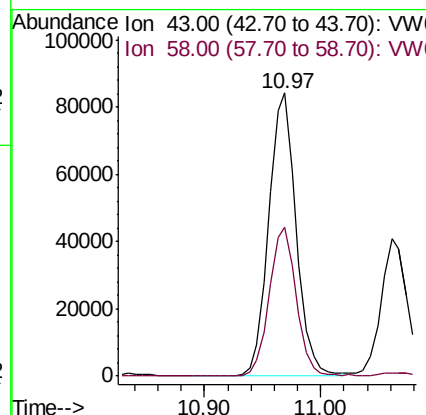
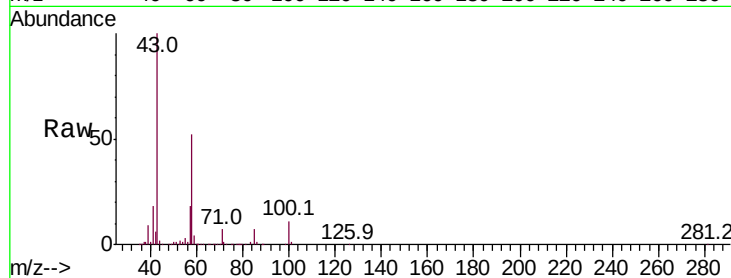




#59
2-Hexanone
Concen: 119.889 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

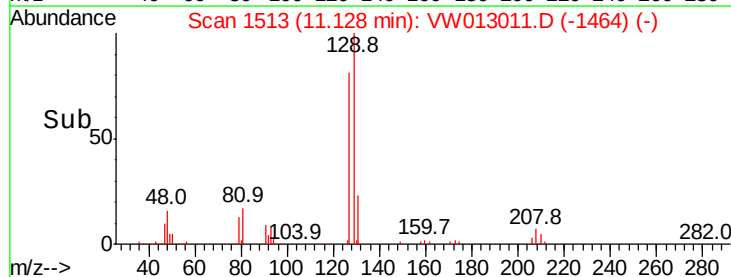
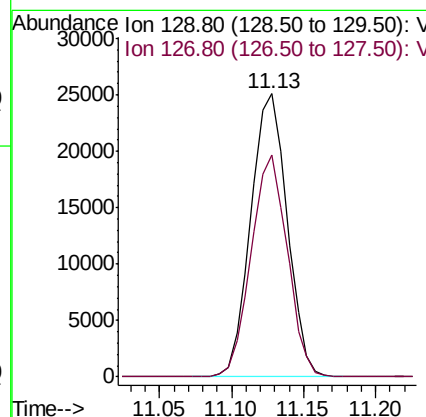
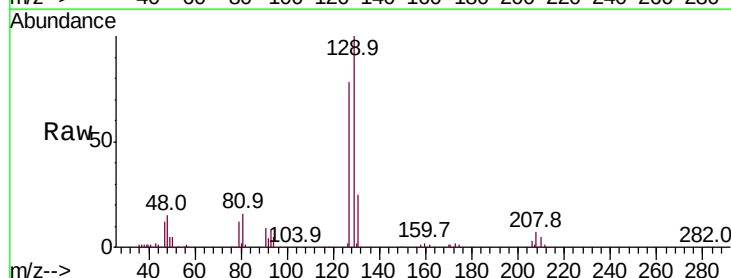
Instrument :
MSVOA_W
ClientSampleId :

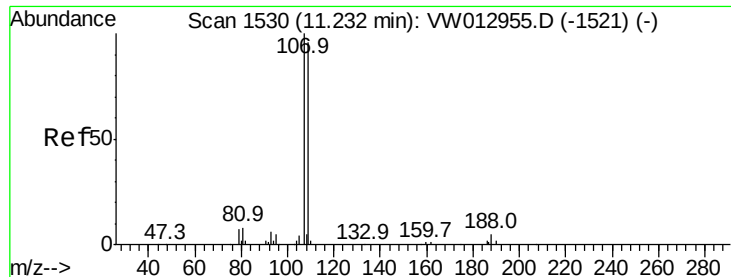
Tot Ion: 43 Resp: 138035
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3



#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 129 Resp: 43941
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.181 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

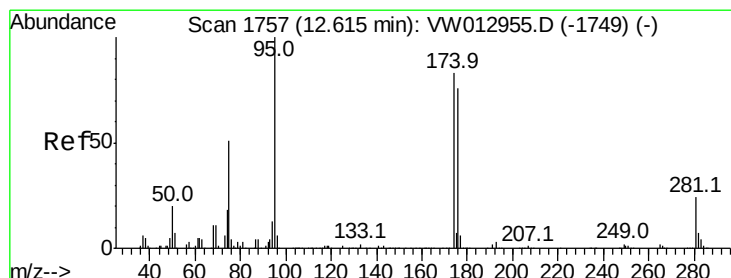
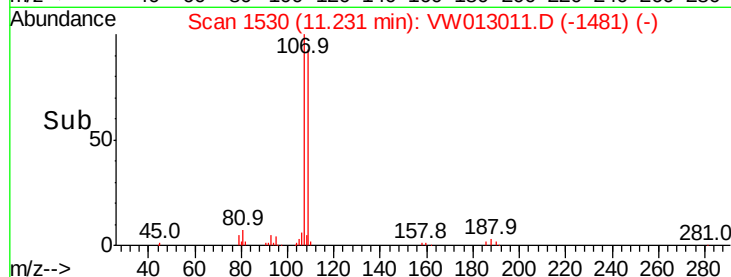
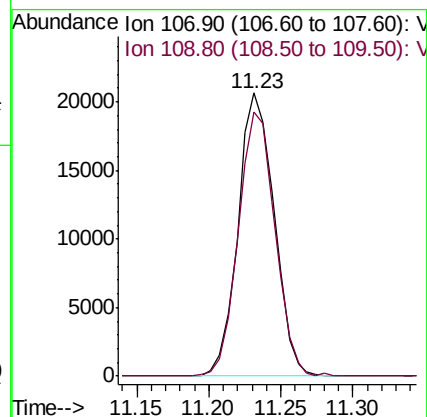
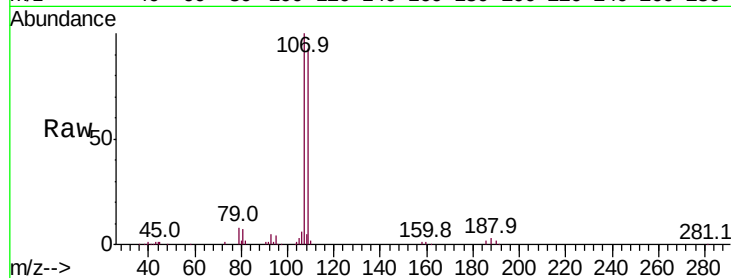
ClientSampleId :

Tot Ion:107 Resp: 35975

Ion Ratio Lower Upper

107 100

109 94.9 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 56.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

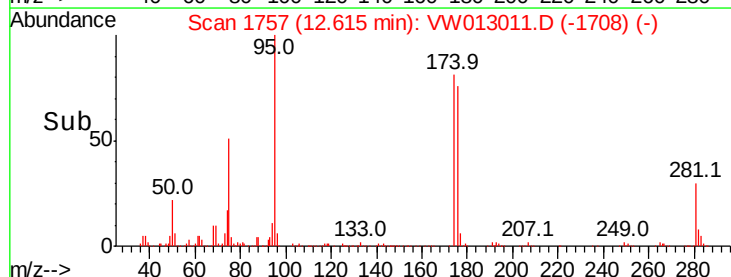
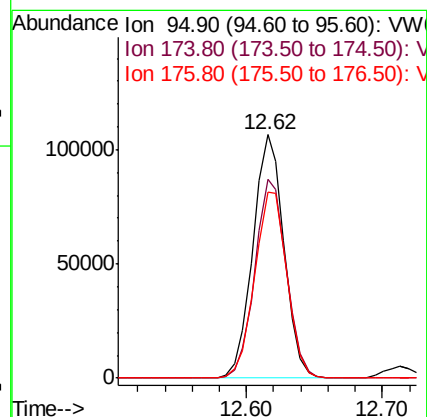
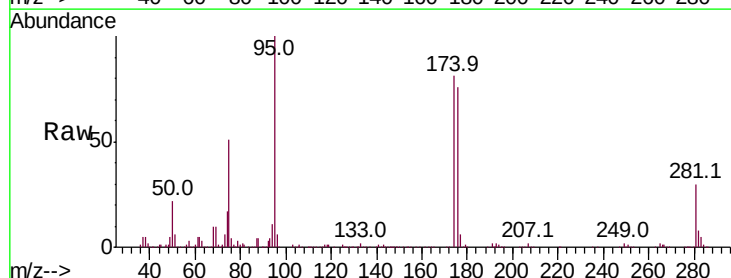
Tgt Ion: 95 Resp: 170043

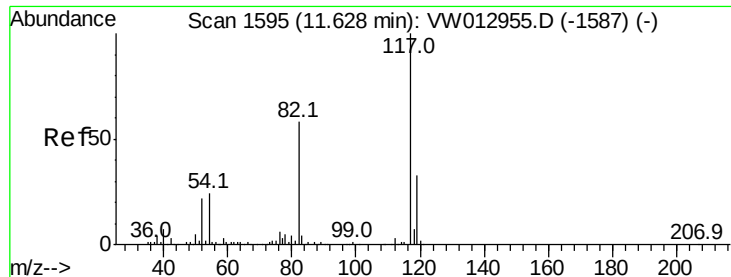
Ion Ratio Lower Upper

95 100

174 83.0 0.0 170.4

176 79.8 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: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

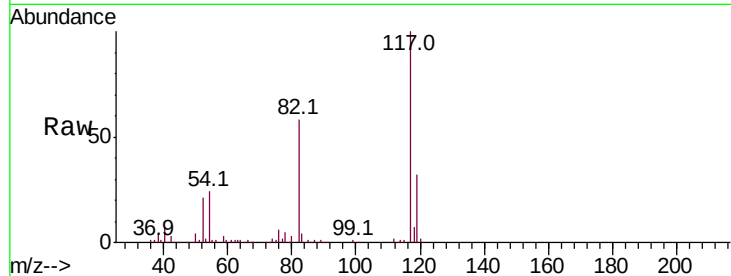
Tot Ion:117 Resp: 356594

Ion Ratio Lower Upper

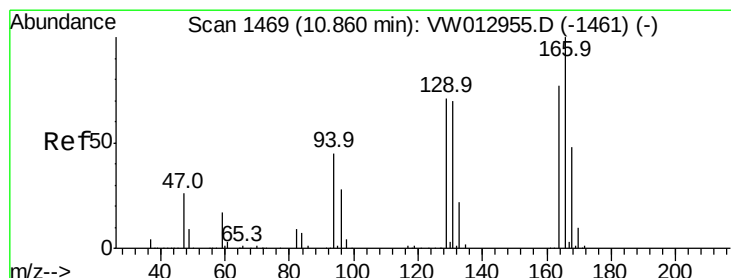
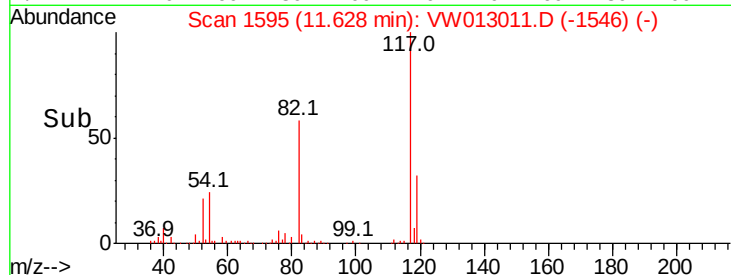
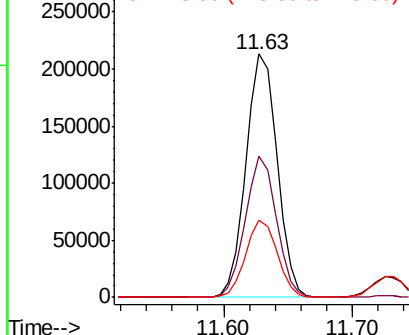
117 100

82 57.8 46.3 69.5

119 32.0 26.2 39.4



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



#64

Tetrachloroethene

Concen: 22.394 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:164 Resp: 47507

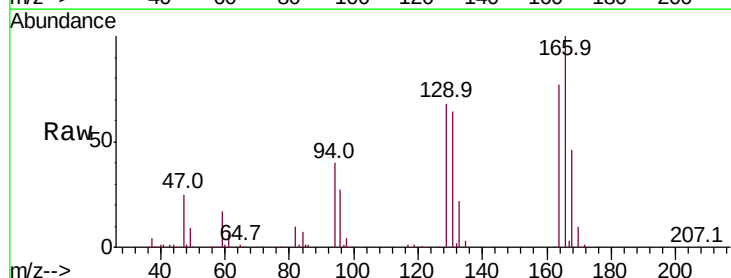
Ion Ratio Lower Upper

164 100

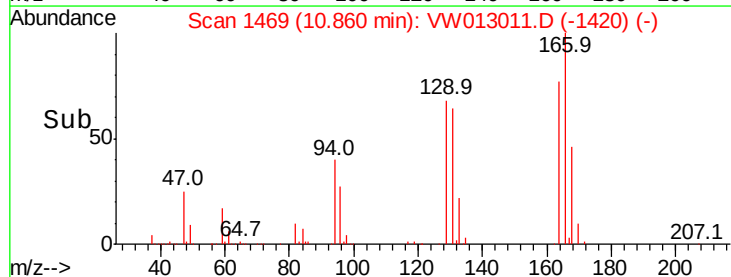
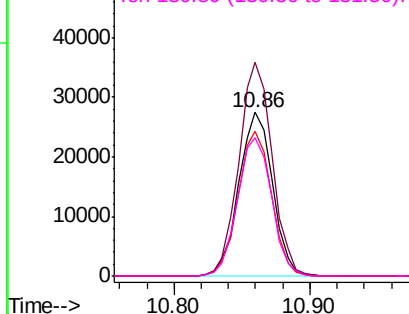
166 130.6 103.3 154.9

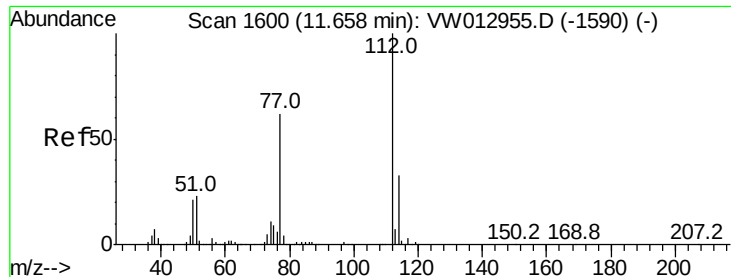
129 88.3 73.8 110.8

131 84.2 72.0 108.0



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

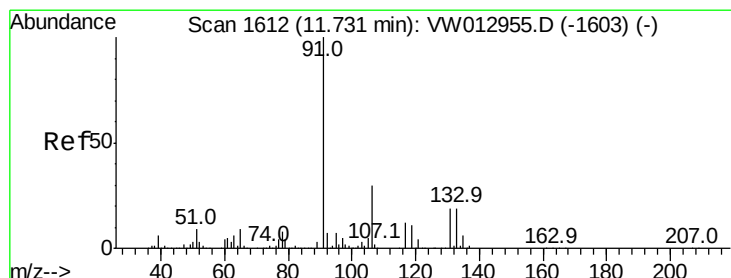
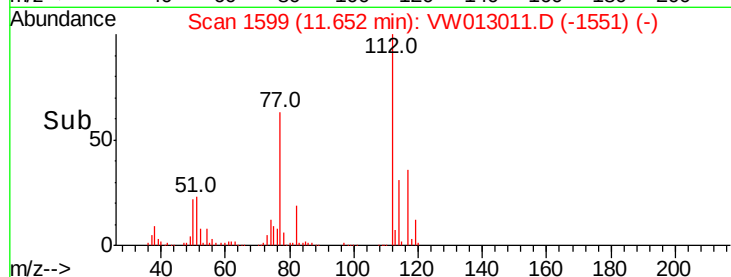
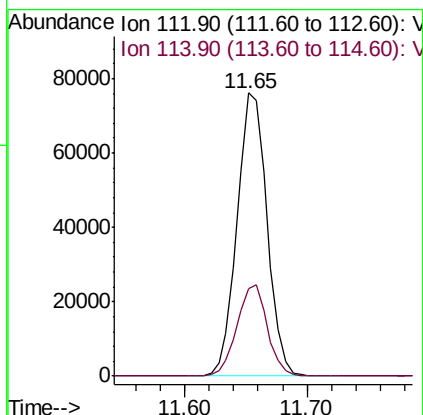
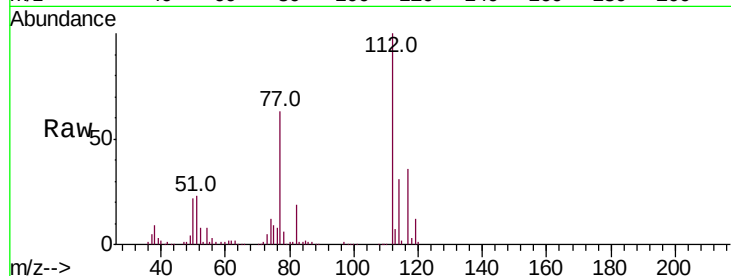




#65
Chlorobenzene
Concen: 20.274 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

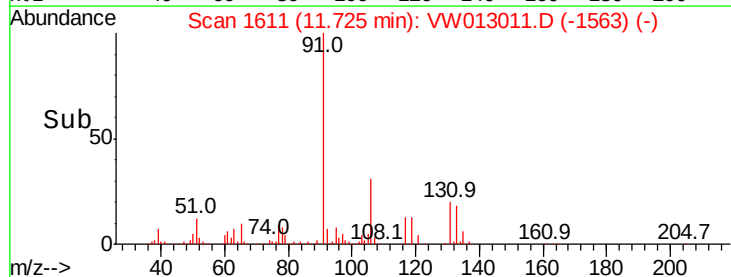
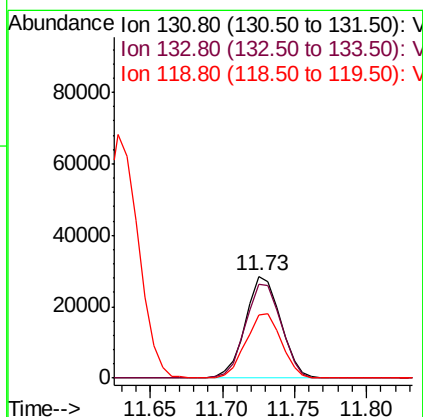
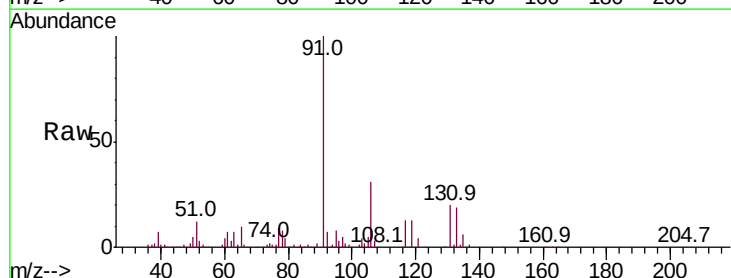
Instrument :
MSVOA_W
ClientSampleId :

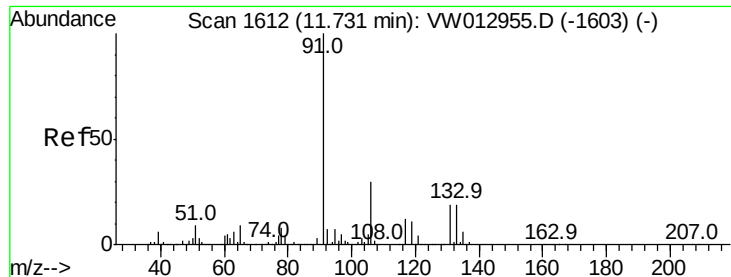
Tot Ion:112 Resp: 128777
Ion Ratio Lower Upper
112 100
114 31.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.868 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:131 Resp: 48361
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.8
119 64.6 30.9 92.7

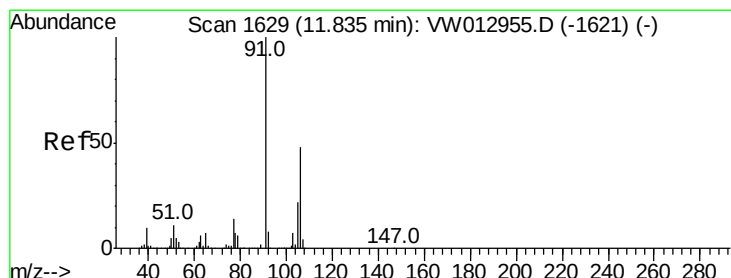
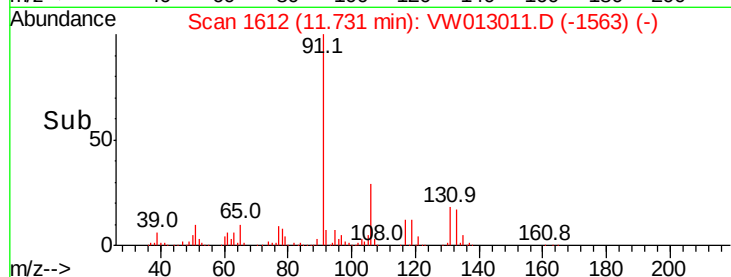
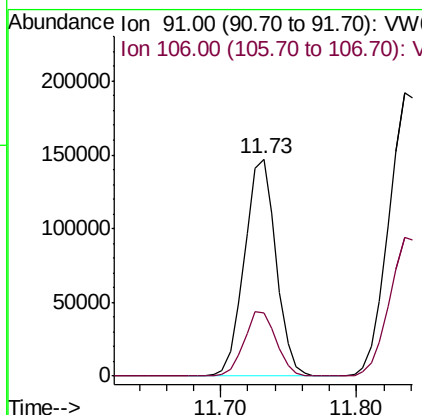
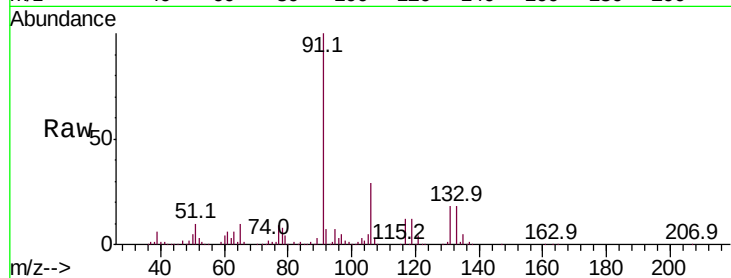




#67
Ethyl Benzene
Concen: 20.376 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

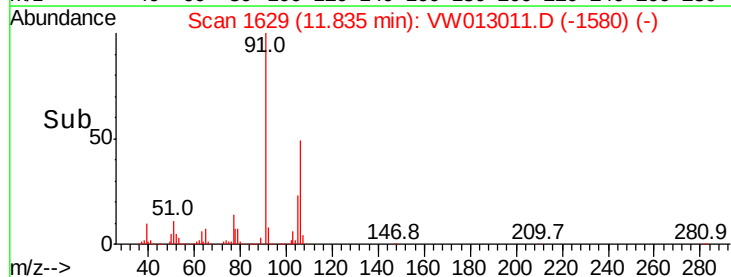
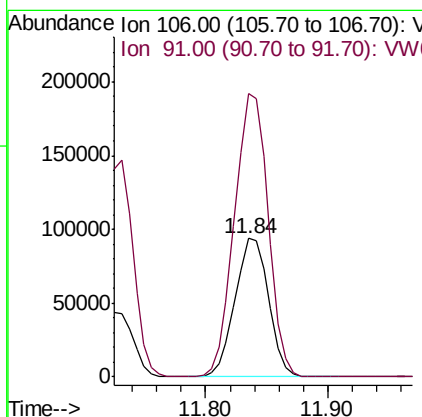
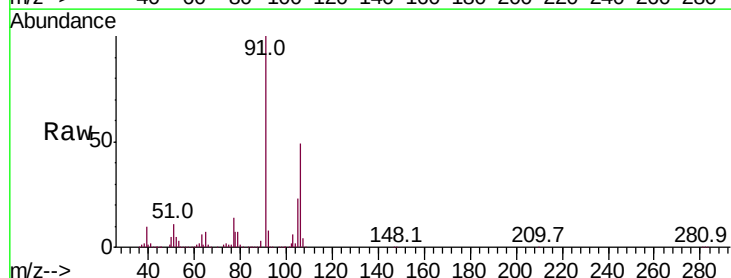
Instrument :
MSVOA_W
ClientSampled :

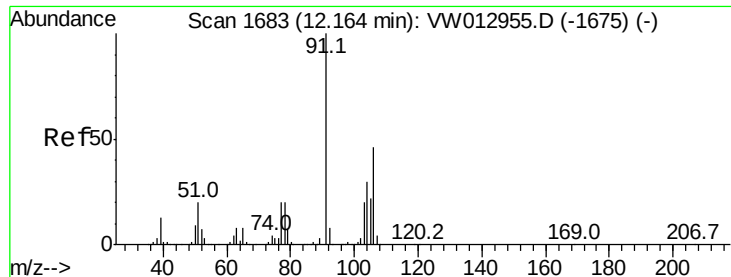
Tot Ion: 91 Resp: 239035
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 41.657 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:106 Resp: 178519
Ion Ratio Lower Upper
106 100
91 206.1 165.8 248.8

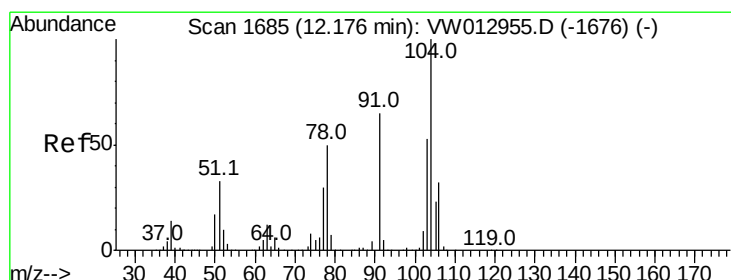
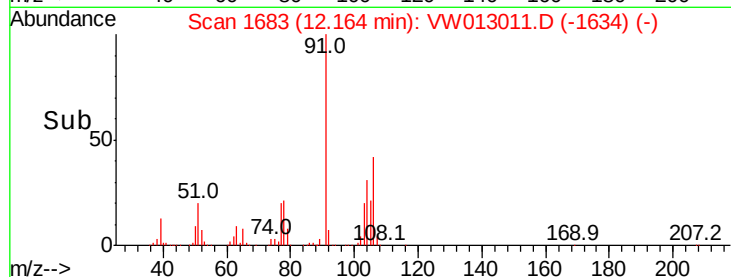
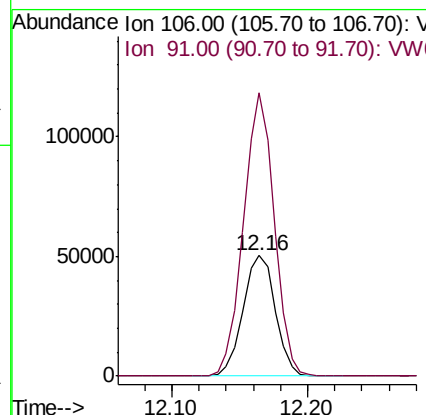
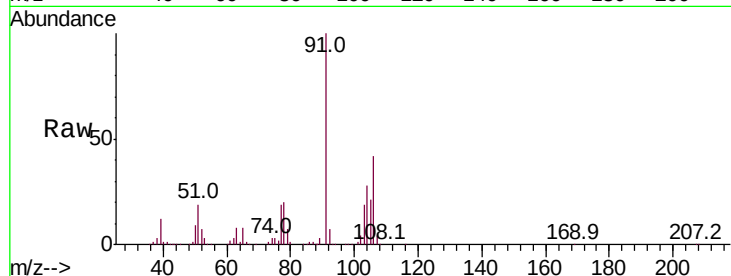




#69
o-Xylene
Concen: 20.824 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

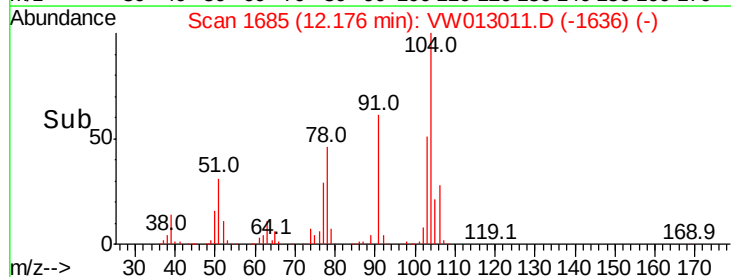
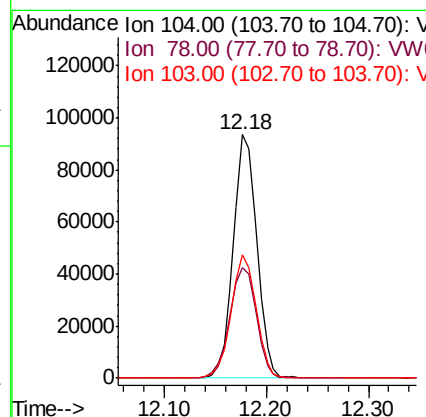
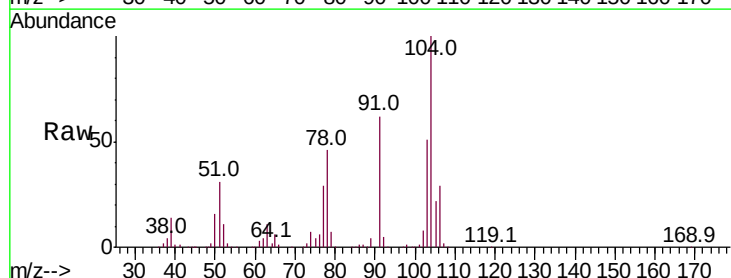
Instrument :
MSVOA_W
ClientSampleId :

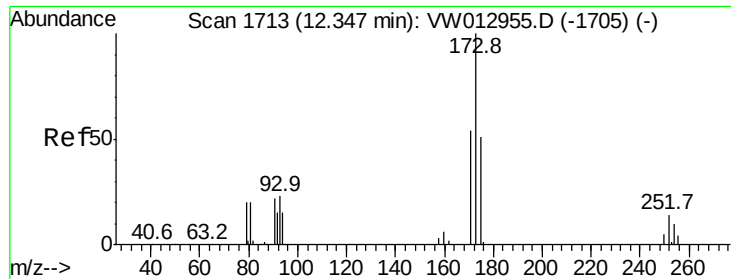
Tot Ion:106 Resp: 83665
Ion Ratio Lower Upper
106 100
91 223.4 109.7 329.0



#70
Styrene
Concen: 20.915 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:104 Resp: 149480
Ion Ratio Lower Upper
104 100
78 51.5 42.1 63.1
103 53.7 44.2 66.4

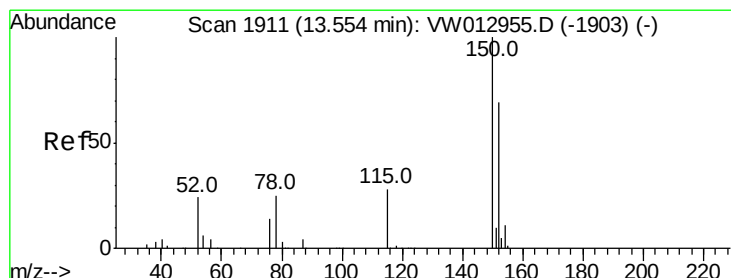
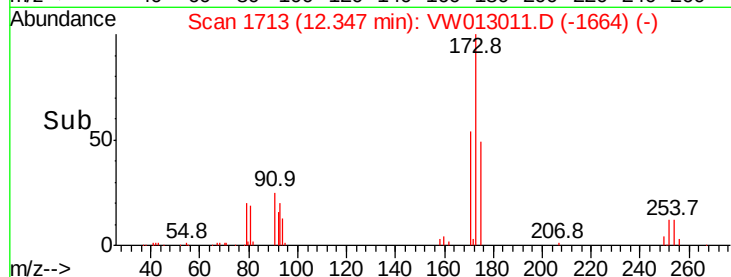
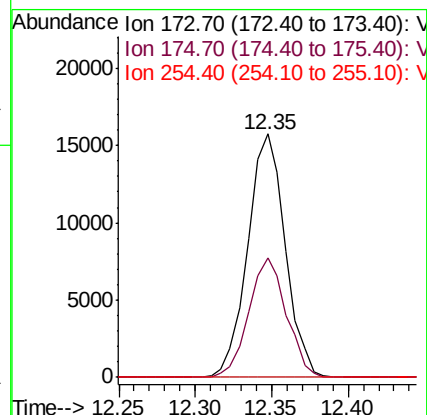
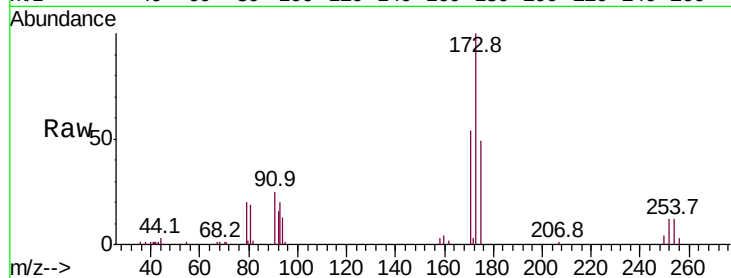




#71
Bromoform
Concen: 20.978 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

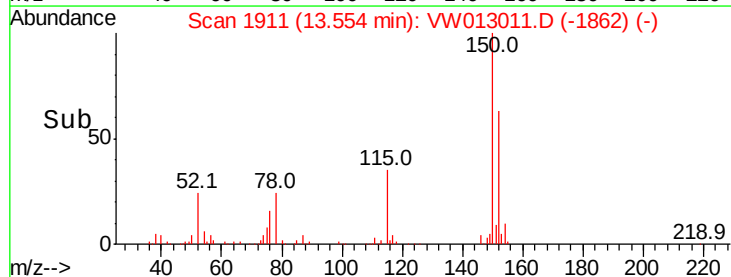
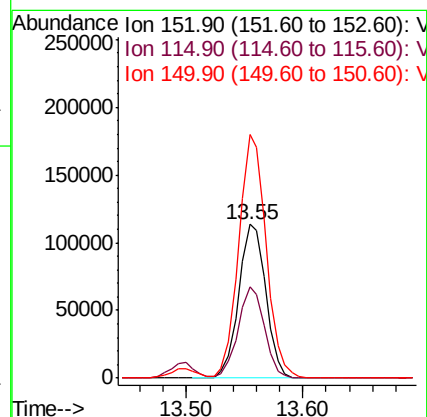
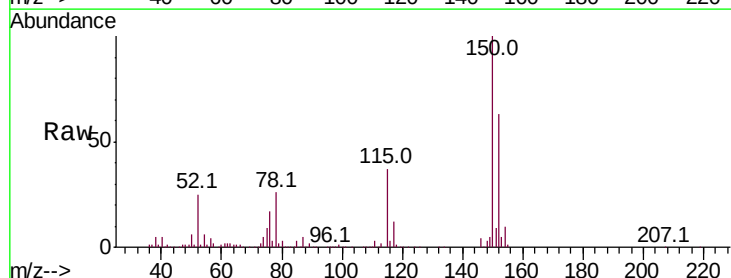
Instrument :
MSVOA_W
ClientSampleId :

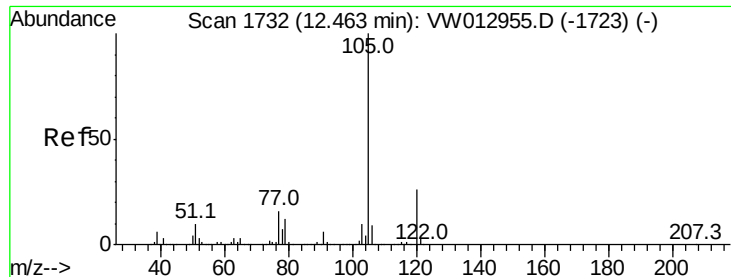
Tot Ion:173 Resp: 26821
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:152 Resp: 183823
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.4
150 161.0 0.0 340.2

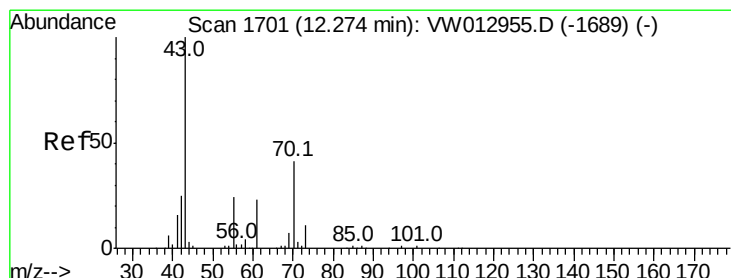
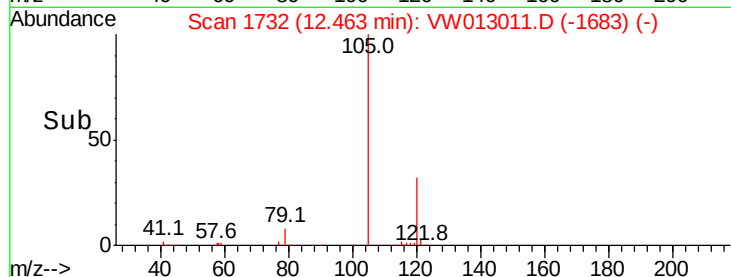
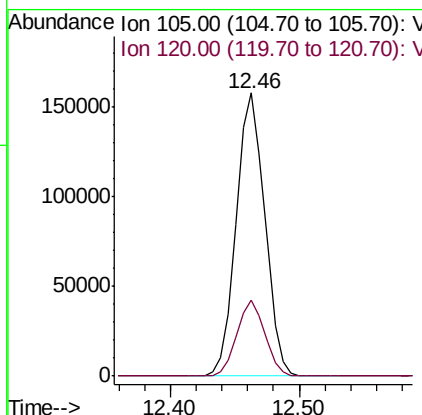
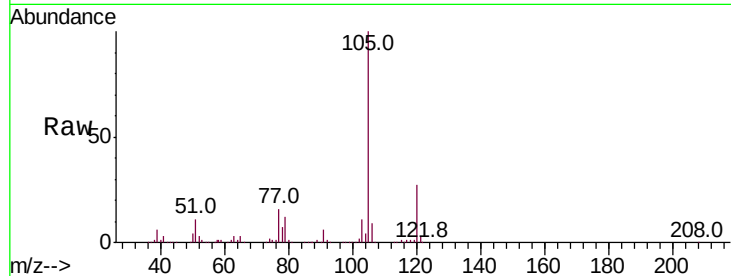




#73
Isopropylbenzene
Concen: 19.930 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

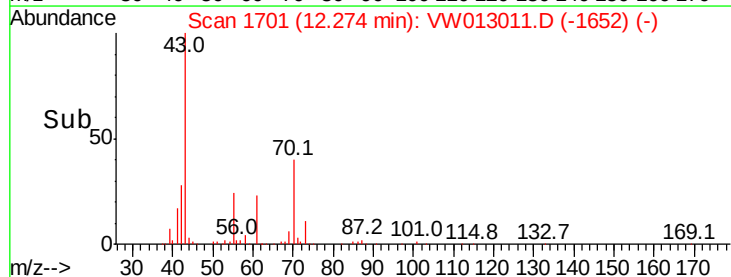
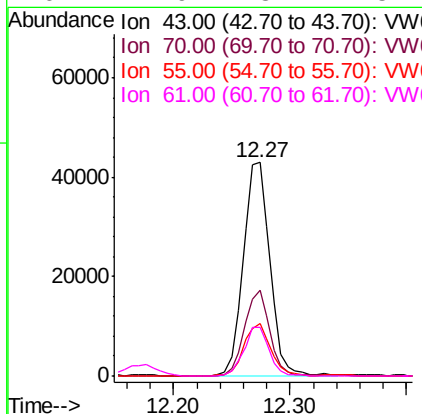
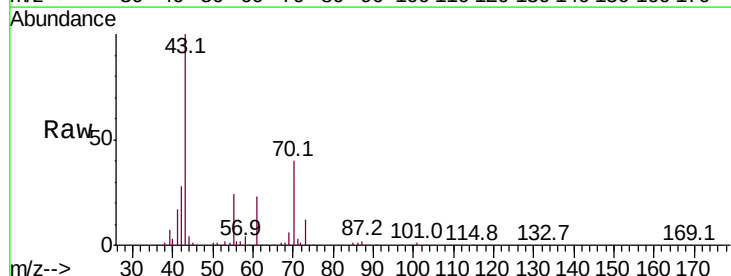
Instrument :
MSVOA_W
ClientSampleId :

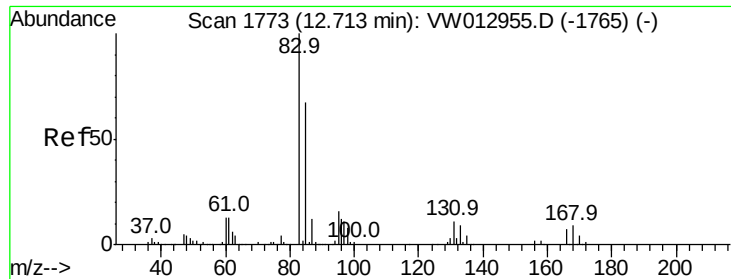
Tot Ion:105 Resp: 242827
Ion Ratio Lower Upper
105 100
120 26.3 13.0 39.0



#74
N-ethyl acetate
Concen: 21.935 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 43 Resp: 68750
Ion Ratio Lower Upper
43 100
70 38.2 31.7 47.5
55 24.6 19.4 29.2
61 21.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.861 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

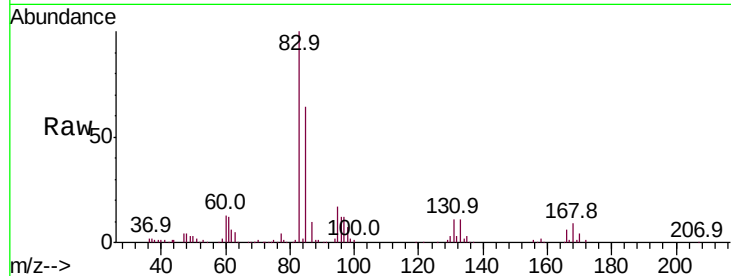
Tot Ion: 83 Resp: 48922

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

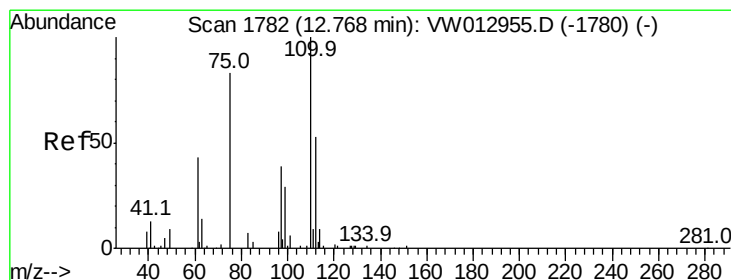
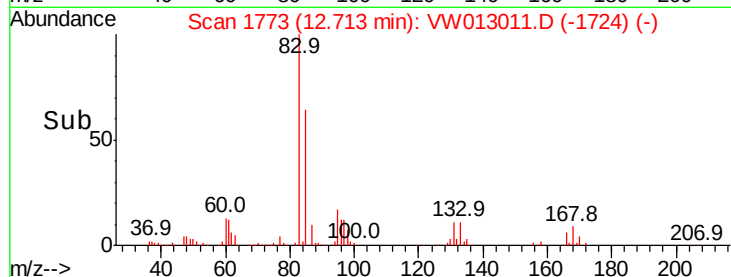
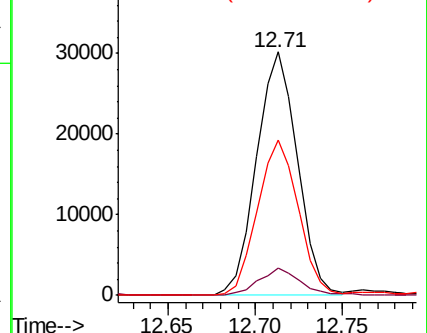
85 63.8 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.252 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013011.D

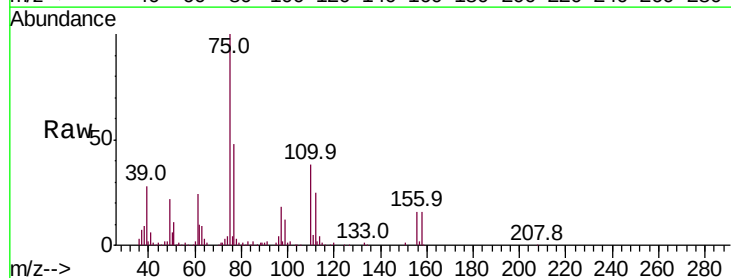
Acq: 15 Sep 2019 00:33

Tgt Ion: 75 Resp: 61591

Ion Ratio Lower Upper

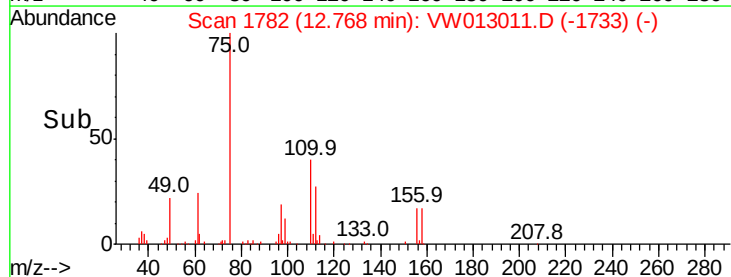
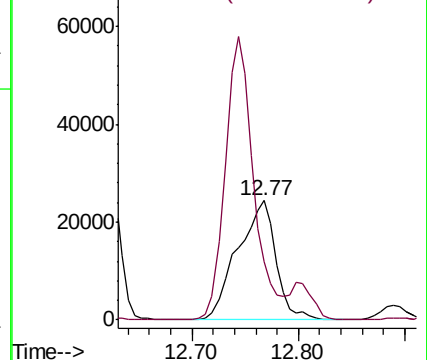
75 100

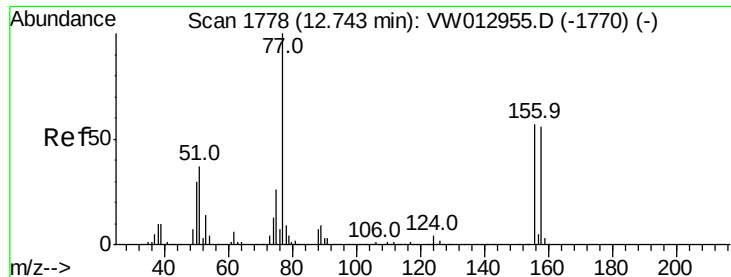
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.398 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

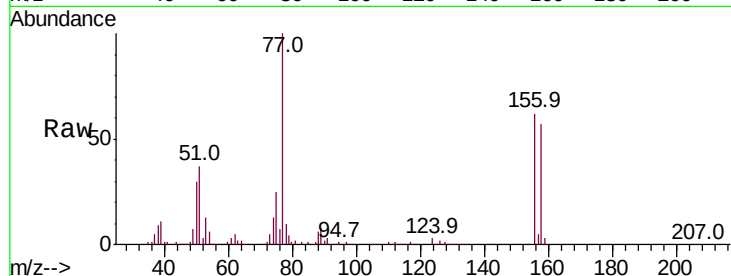
Tot Ion:156 Resp: 57255

Ion Ratio Lower Upper

156 100

77 188.6 95.2 285.6

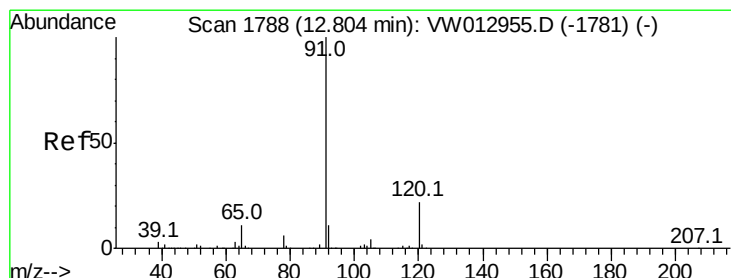
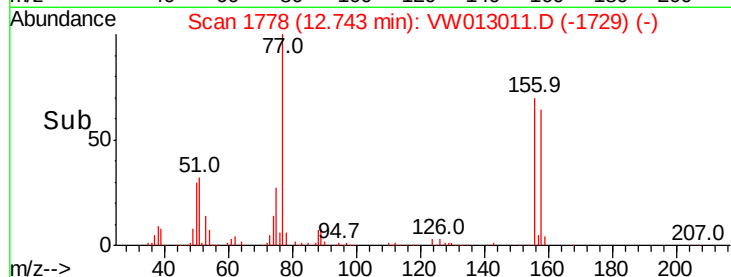
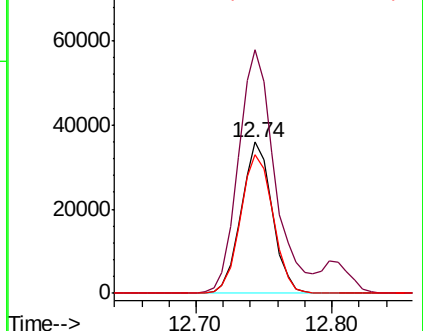
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.723 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013011.D

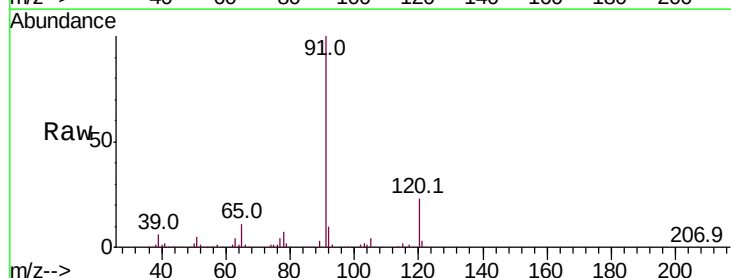
Acq: 15 Sep 2019 00:33

Tgt Ion: 91 Resp: 282674

Ion Ratio Lower Upper

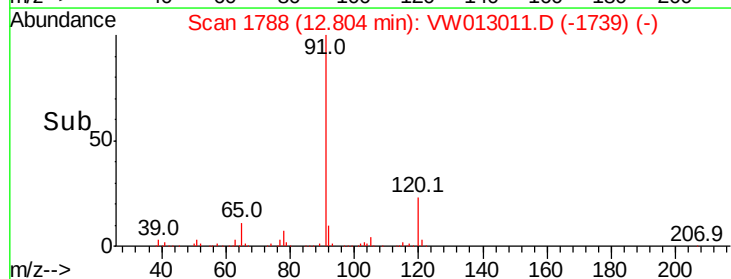
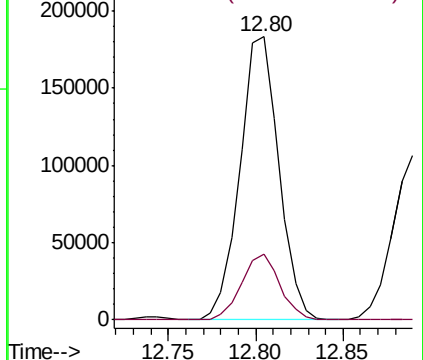
91 100

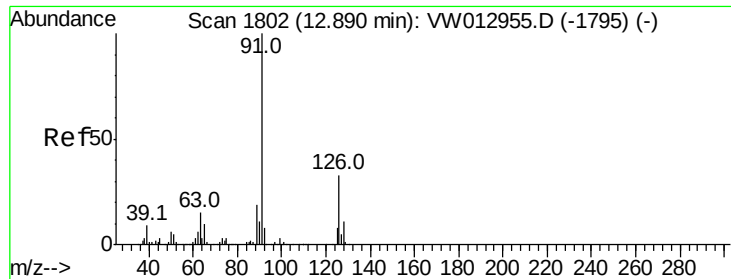
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.386 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

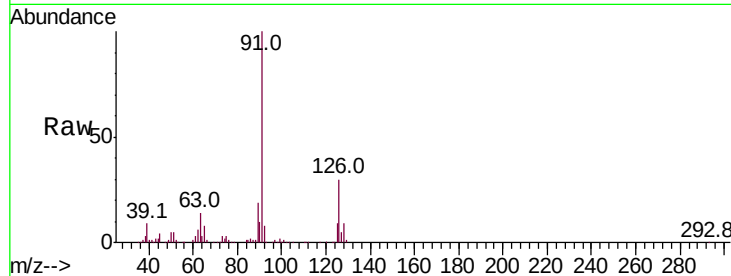
ClientSampled :

Tot Ion: 91 Resp: 167959

Ion Ratio Lower Upper

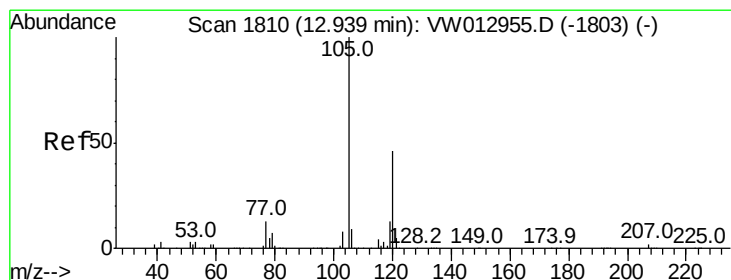
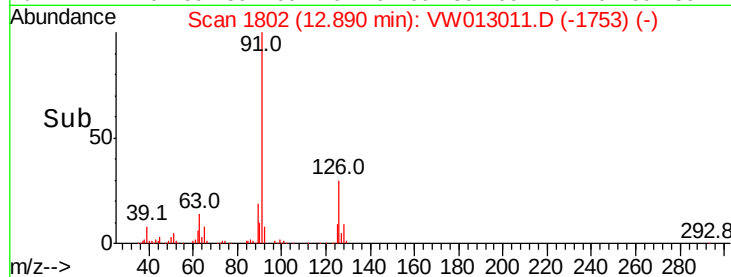
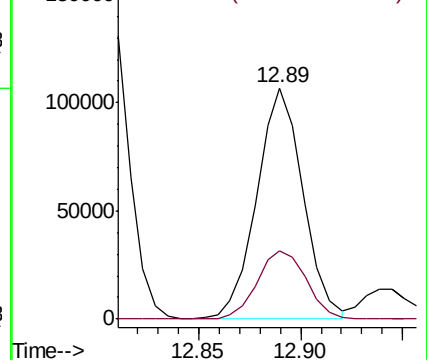
91 100

126 31.4 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: 20.105 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013011.D

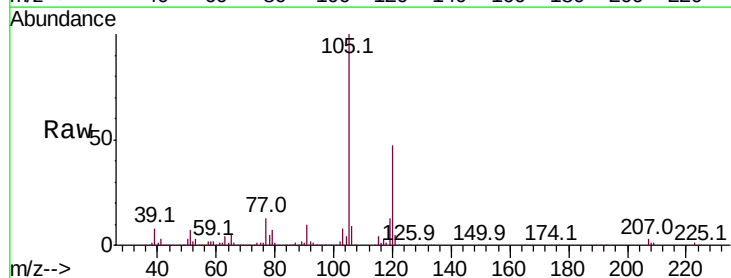
Acq: 15 Sep 2019 00:33

Tgt Ion:105 Resp: 207241

Ion Ratio Lower Upper

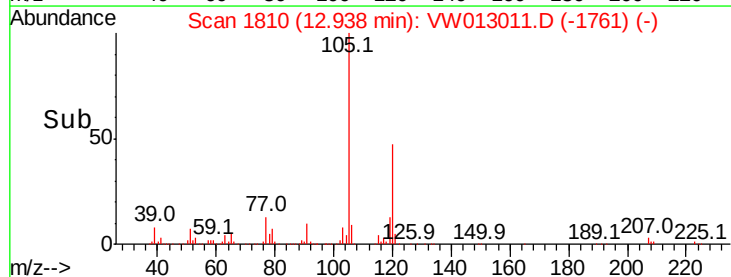
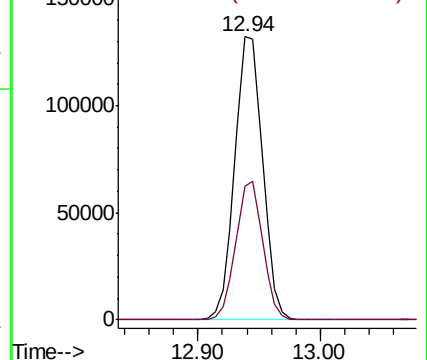
105 100

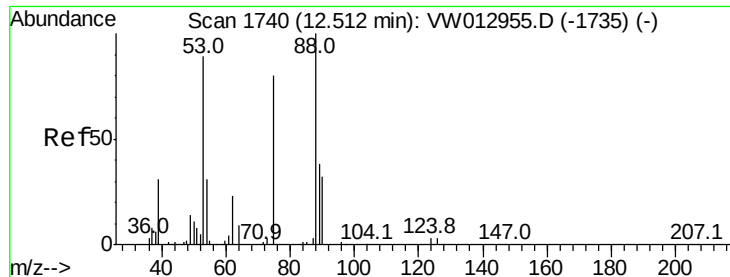
120 47.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.878 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

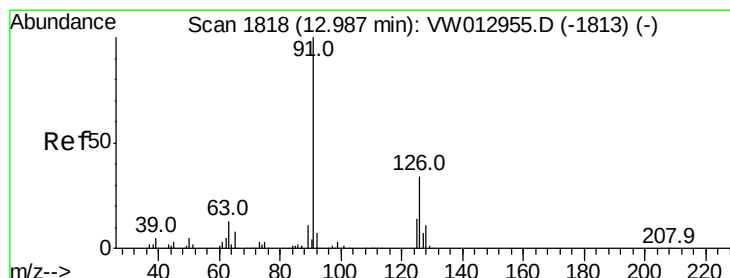
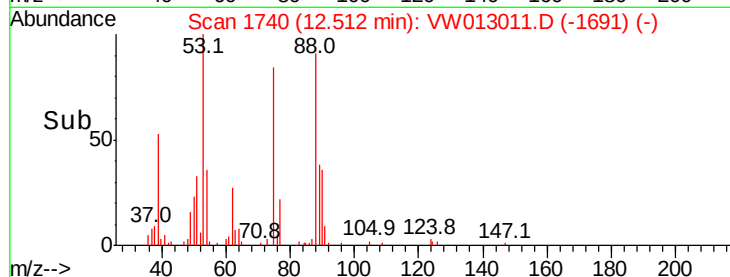
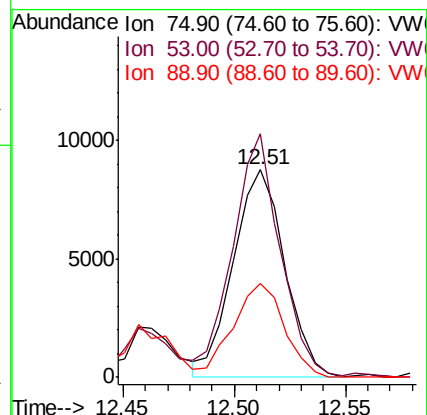
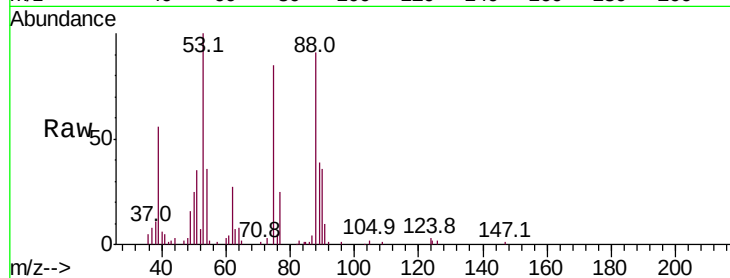
Tot Ion: 75 Resp: 14109

Ion	Ratio	Lower	Upper
75	100		
53	106.3	85.6	128.4
89	45.0	37.2	55.8

75 100

53 106.3 85.6 128.4

89 45.0 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.087 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013011.D

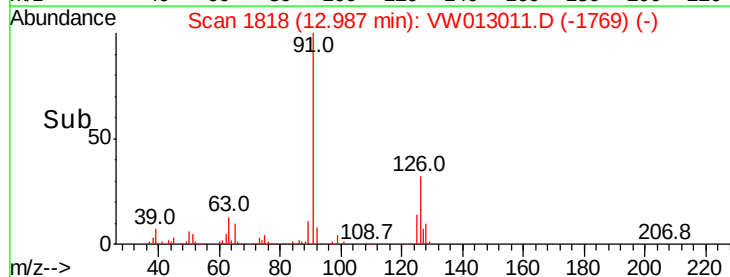
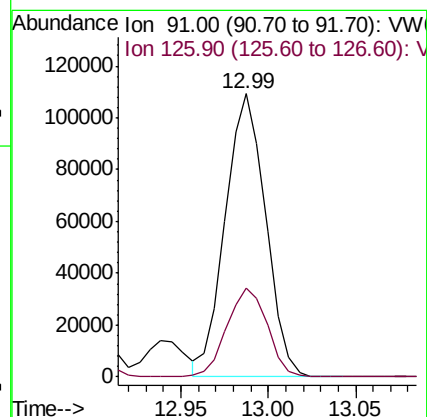
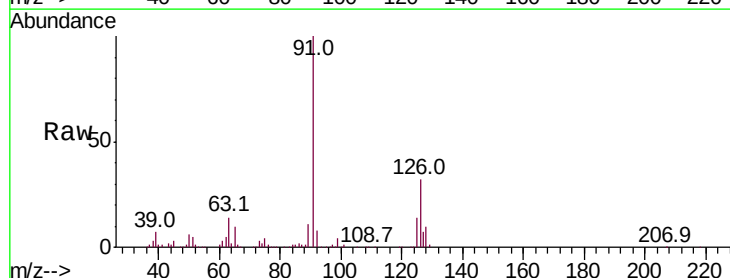
Acq: 15 Sep 2019 00:33

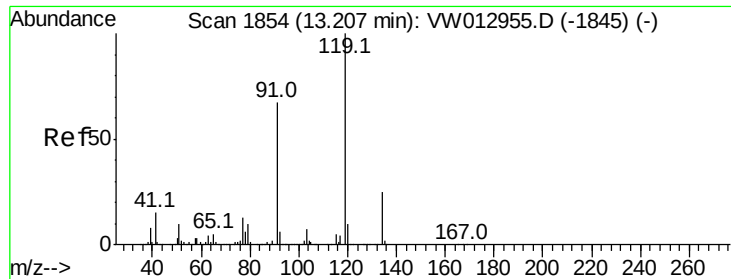
Tgt Ion: 91 Resp: 174619

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.3

91 100

126 31.7 16.1 48.3





#83

tert-Butylbenzene

Concen: 20.000 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

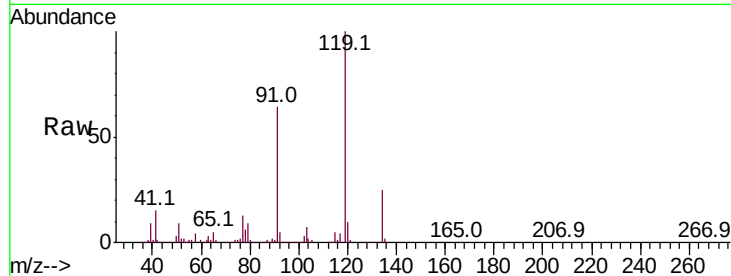
Tot Ion:119 Resp: 184400

Ion Ratio Lower Upper

119 100

91 65.2 32.6 98.0

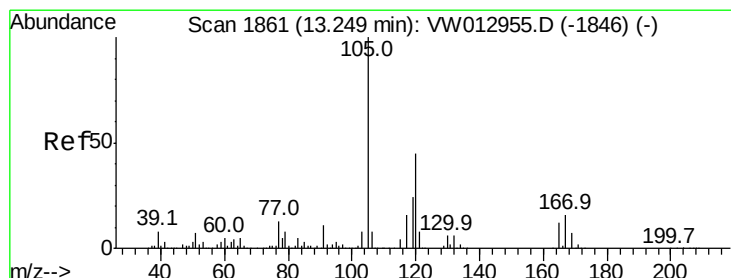
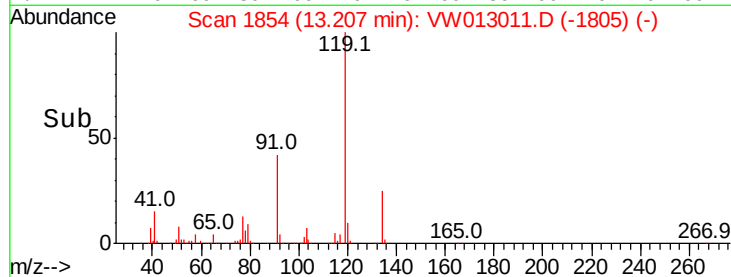
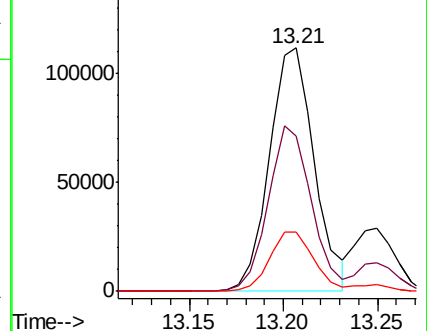
134 24.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.095 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013011.D

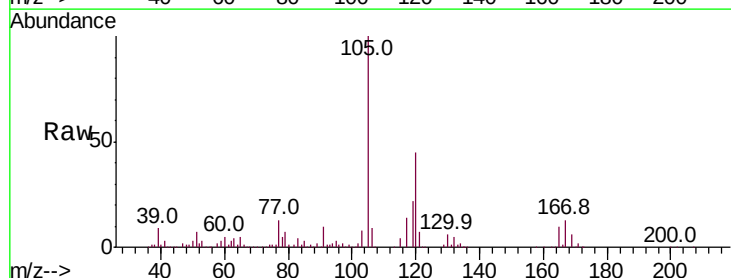
Acq: 15 Sep 2019 00:33

Tgt Ion:105 Resp: 204690

Ion Ratio Lower Upper

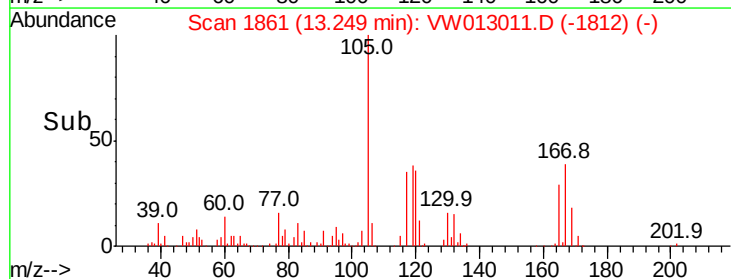
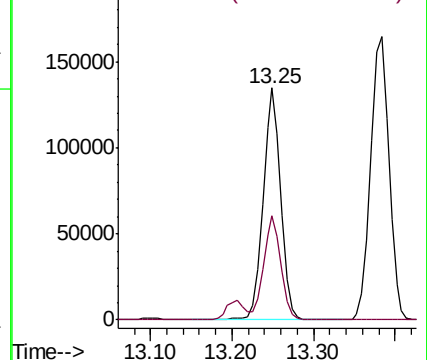
105 100

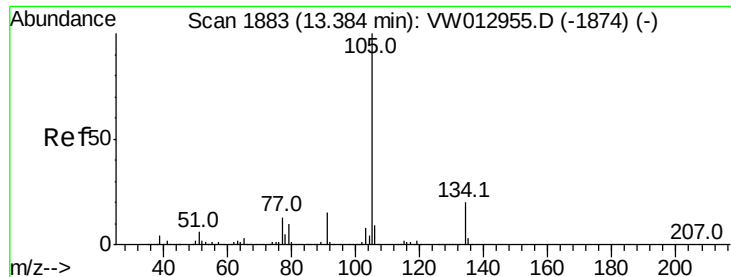
120 44.4 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

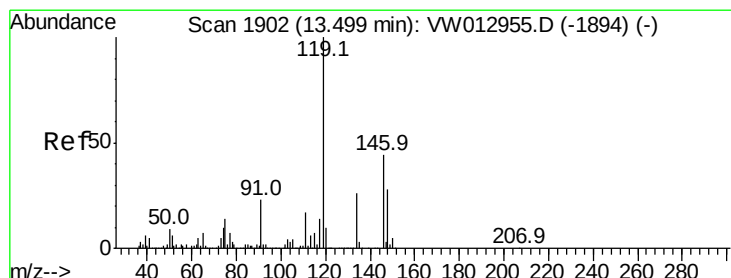
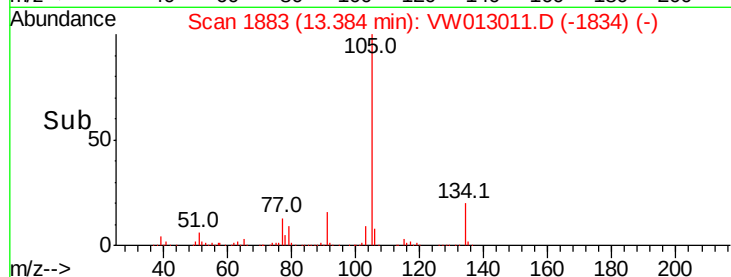
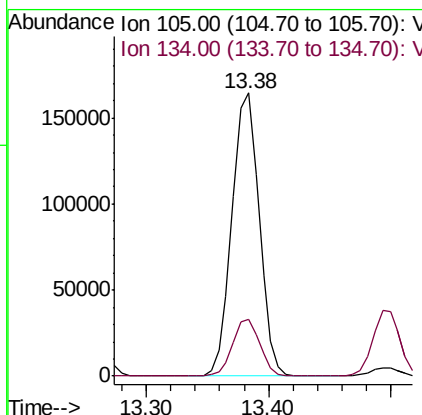
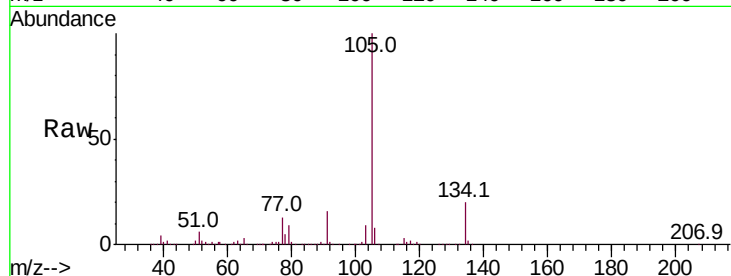




#85
 sec-Butylbenzene
 Concen: 20.191 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

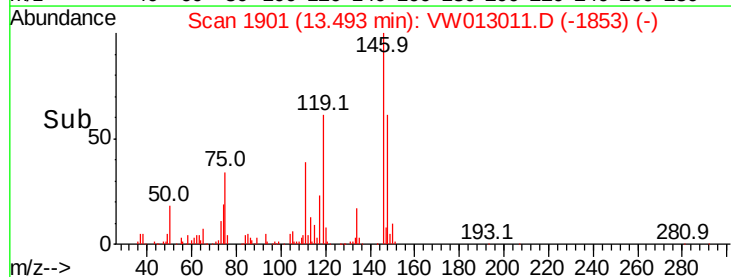
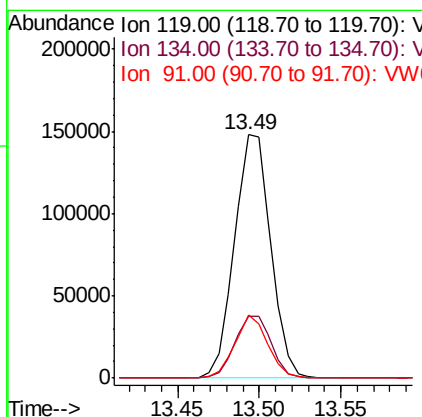
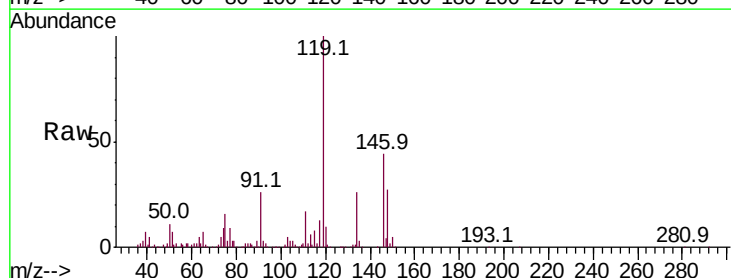
Instrument :
 MSVOA_W
 ClientSampleId :

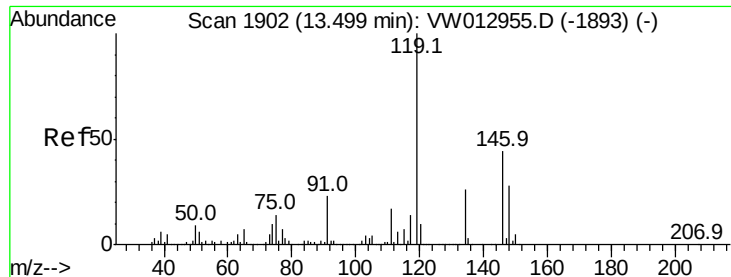
Tot Ion:105 Resp: 253639
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.808 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion:119 Resp: 228448
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.496 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

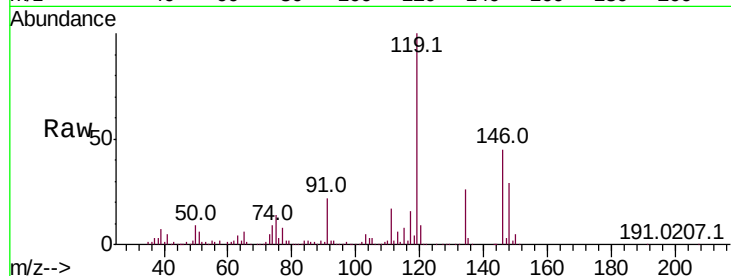
Tot Ion:146 Resp: 108333

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.4

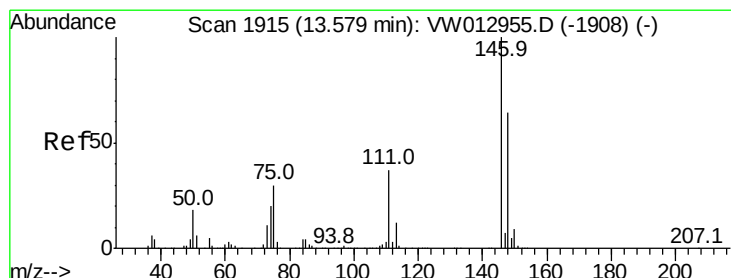
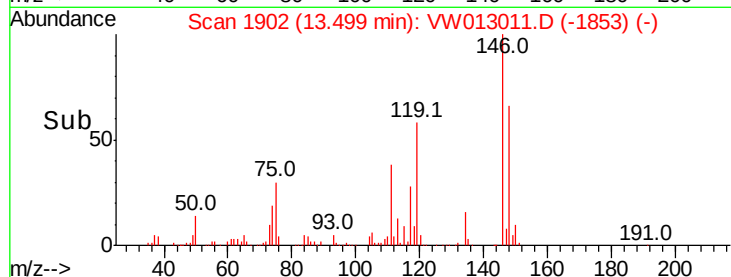
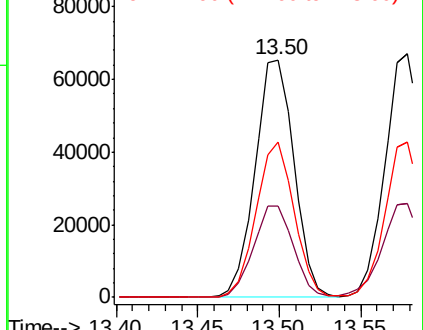
148 63.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.954 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

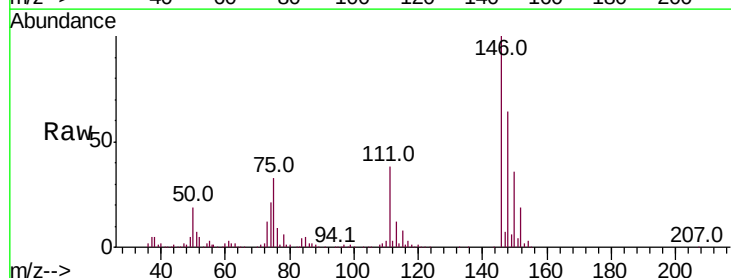
Tgt Ion:146 Resp: 108960

Ion Ratio Lower Upper

146 100

111 41.3 19.4 58.2

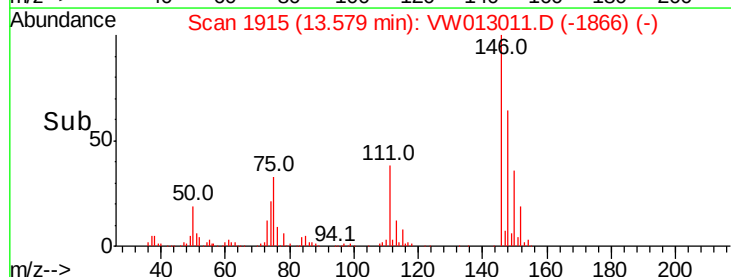
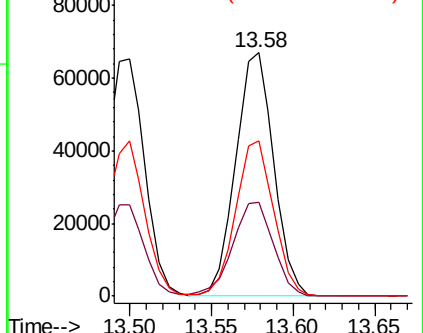
148 63.8 31.9 95.5

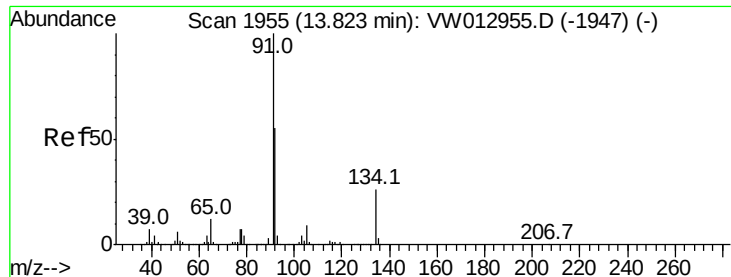


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

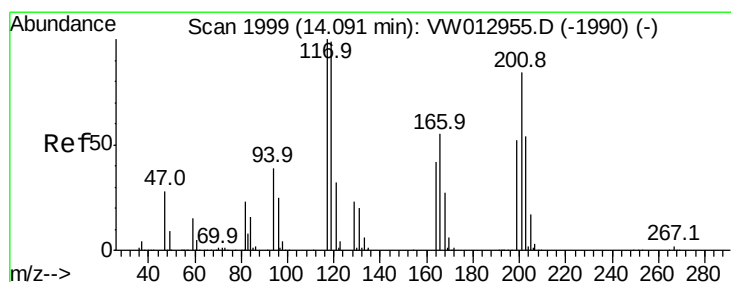
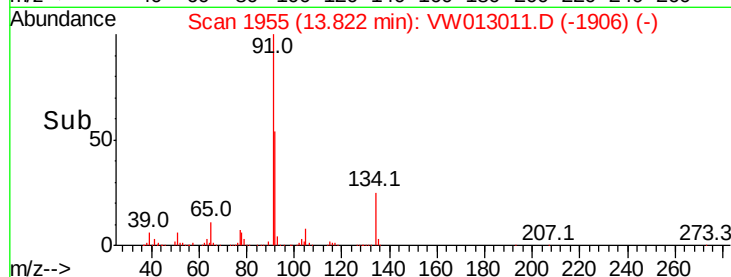
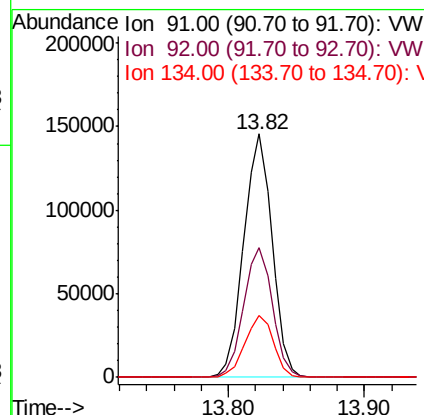
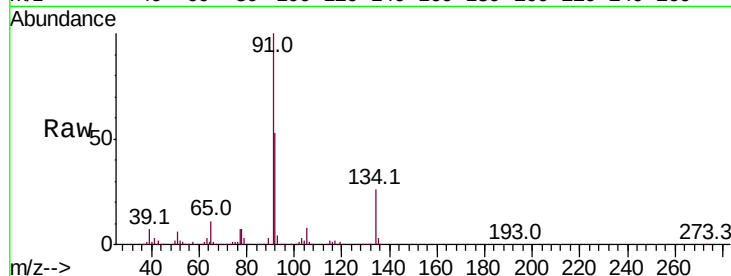




#89
n-Butylbenzene
Concen: 19.501 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

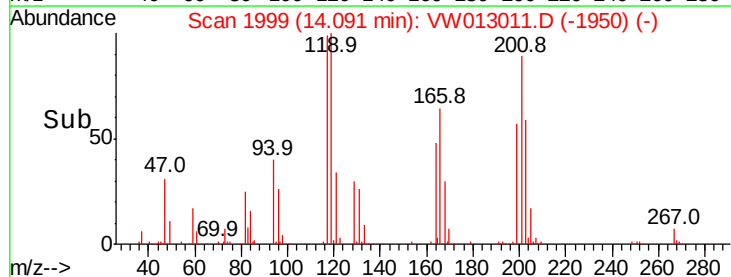
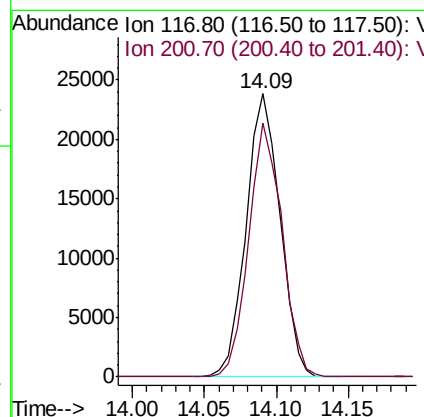
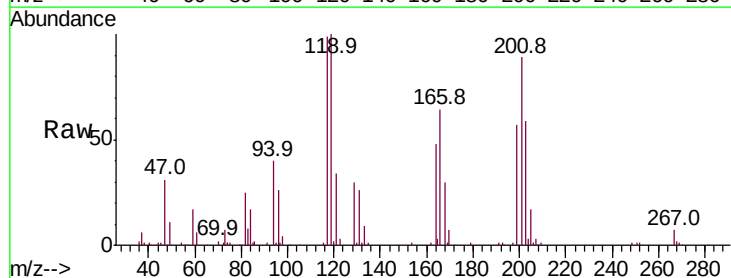
Instrument :
MSVOA_W
ClientSampleId :

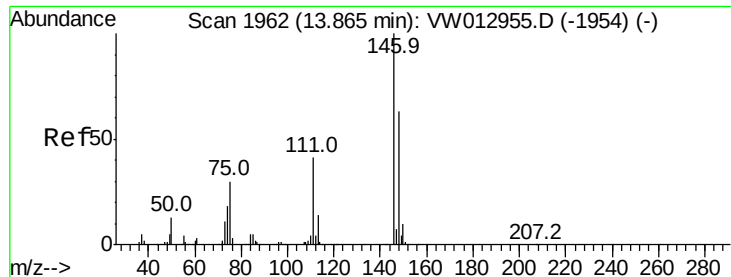
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	25.7	13.1	39.1



#90
Hexachloroethane
Concen: 18.803 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	45.3	135.9

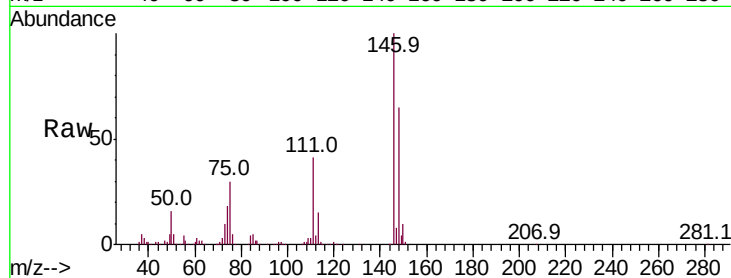




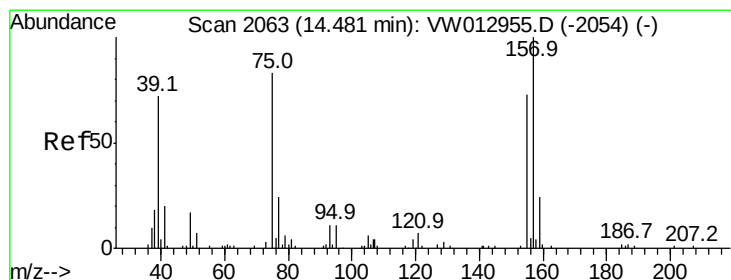
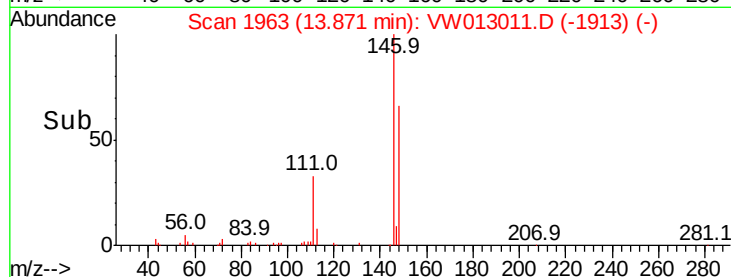
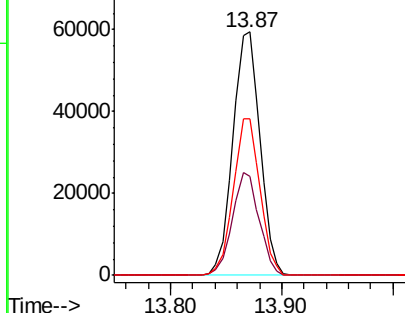
#91
 1,2-Dichlorobenzene
 Concen: 20.550 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.2	32.7	98.1

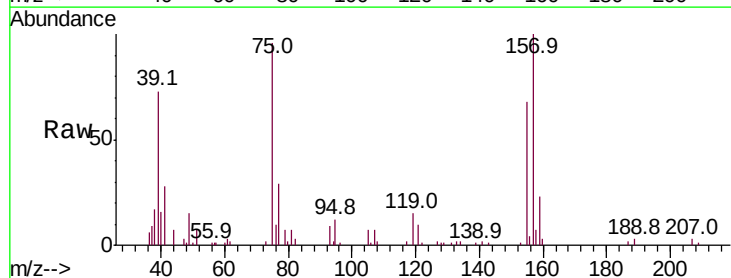


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

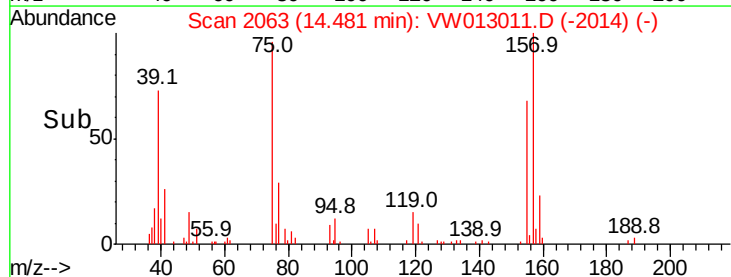
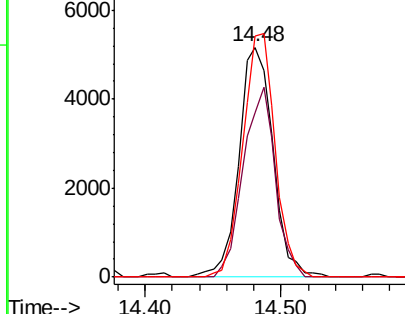


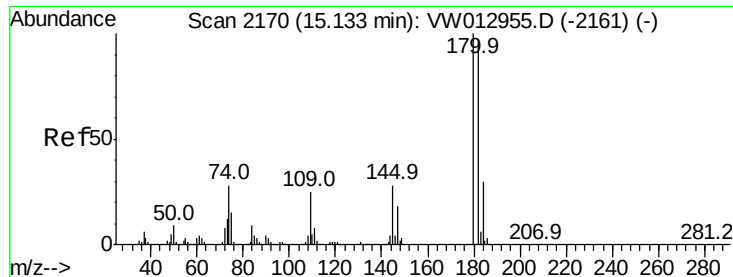
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.139 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	43.3	129.9
157	100.2	54.7	164.1



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

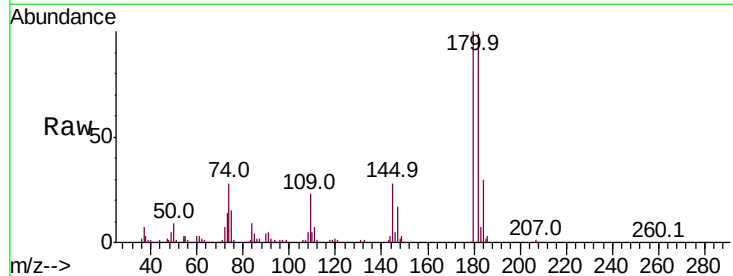




#93
 1,2,4-Trichlorobenzene
 Concen: 19.683 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	47.4	142.2	
145	29.4	14.9	44.7	

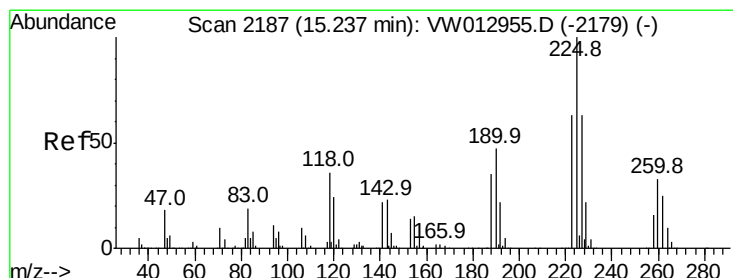
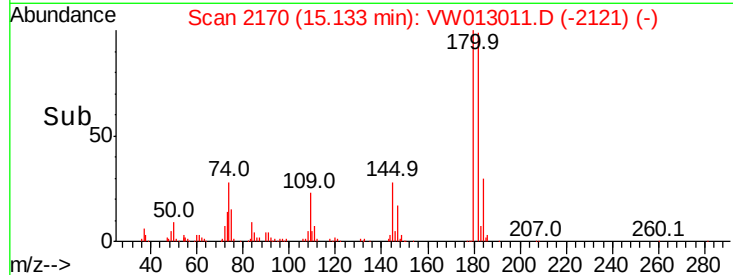
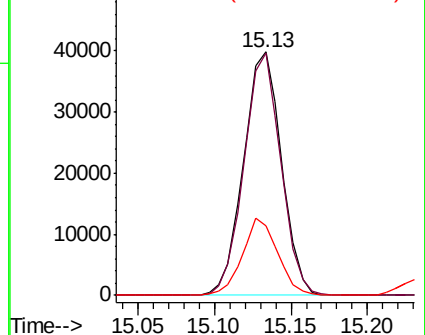


Abundance

Ion 179.80 (179.50 to 180.50): V

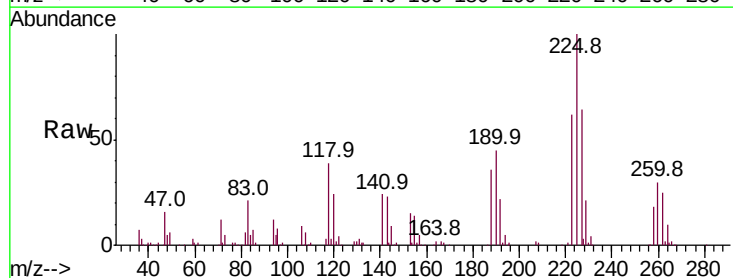
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	31.8	95.3	
227	62.3	31.3	93.8	

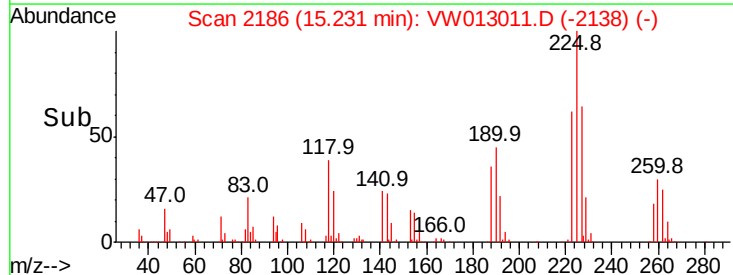
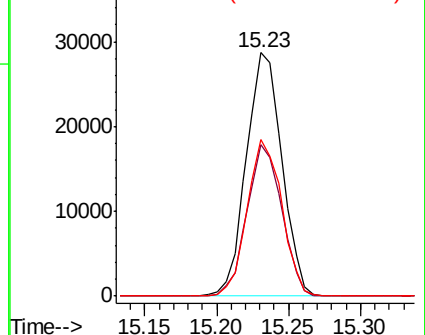


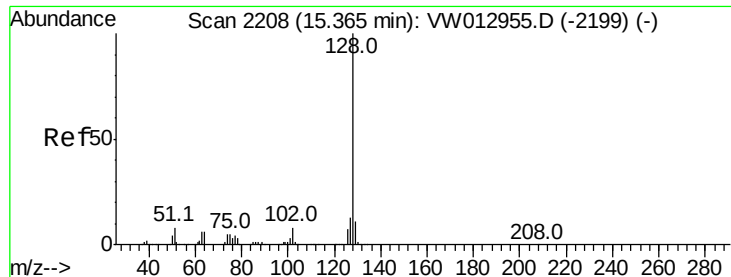
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

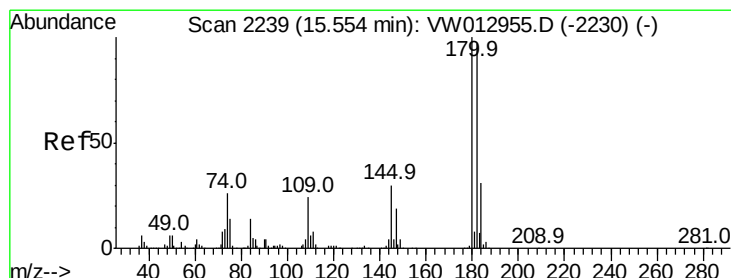
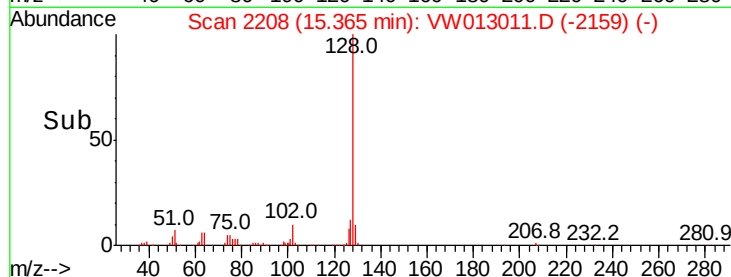
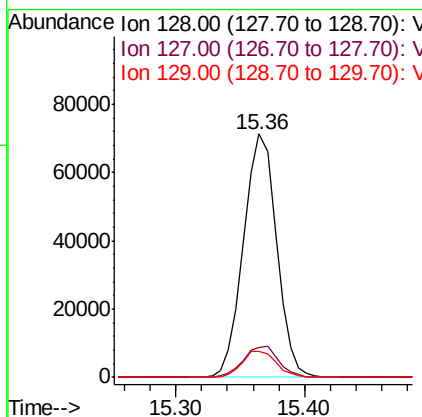
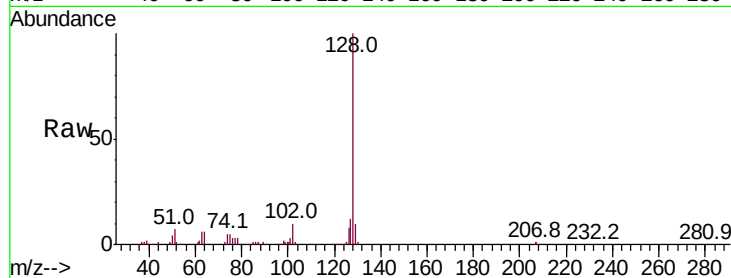




#95
Naphthalene
Concen: 21.750 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 126649
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.291 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion:180 Resp: 62509
Ion Ratio Lower Upper
180 100
182 96.3 47.6 142.8
145 30.3 15.4 46.2

