

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010211.D
 Acq On : 30 Apr 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 01 03:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 06:52:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	630470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	593046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	292622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	151607	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
7) Chloroethane-d5	2.89	69	128721	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.80%
10) 1,1-Dichloroethene-d2	4.01	63	392534	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.72%
20) 2-Butanone-d5	7.07	46	128520	48.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.44%
24) Chloroform-d	7.65	84	399443	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.31	65	232090	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
29) Benzene-d6	8.27	84	720708	22.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.28%
33) 1,2-Dichloropropane-d6	9.27	67	230154	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.28%
37) Toluene-d8	10.32	98	646438	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.04%
38) trans-1,3-Dichloropropene-	10.58	79	104608	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.04%
39) 2-Hexanone-d5	10.93	63	102610	48.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	205764	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	227166	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	213764	24.136	ug/L 99
3) Chloromethane	2.21	50	190915	25.613	ug/L 95
5) Vinyl chloride	2.37	62	240080	26.252	ug/L 98
6) Bromomethane	2.78	94	135934	26.026	ug/L 98
8) Chloroethane	2.92	64	139968	25.671	ug/L 95
9) Trichlorofluoromethane	3.25	101	129423	26.020	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	202579	26.641	ug/L 96
12) 1,1-Dichloroethene	4.03	96	206375	26.961	ug/L 93
13) Acetone	4.12	43	120933	58.008	ug/L 97
14) Carbon disulfide	4.37	76	615031	27.885	ug/L 99
15) Methyl Acetate	4.67	43	124055	27.408	ug/L 96
16) Methylene chloride	4.91	84	208504	19.874	ug/L 89
17) Methyl tert-butyl Ether	5.42	73	263735	26.504	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	215039	26.591	ug/L 91
19) 1,1-Dichloroethane	6.21	63	419803	27.964	ug/L 99
21) 2-Butanone	7.17	43	162896	55.718	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	235393	26.916	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

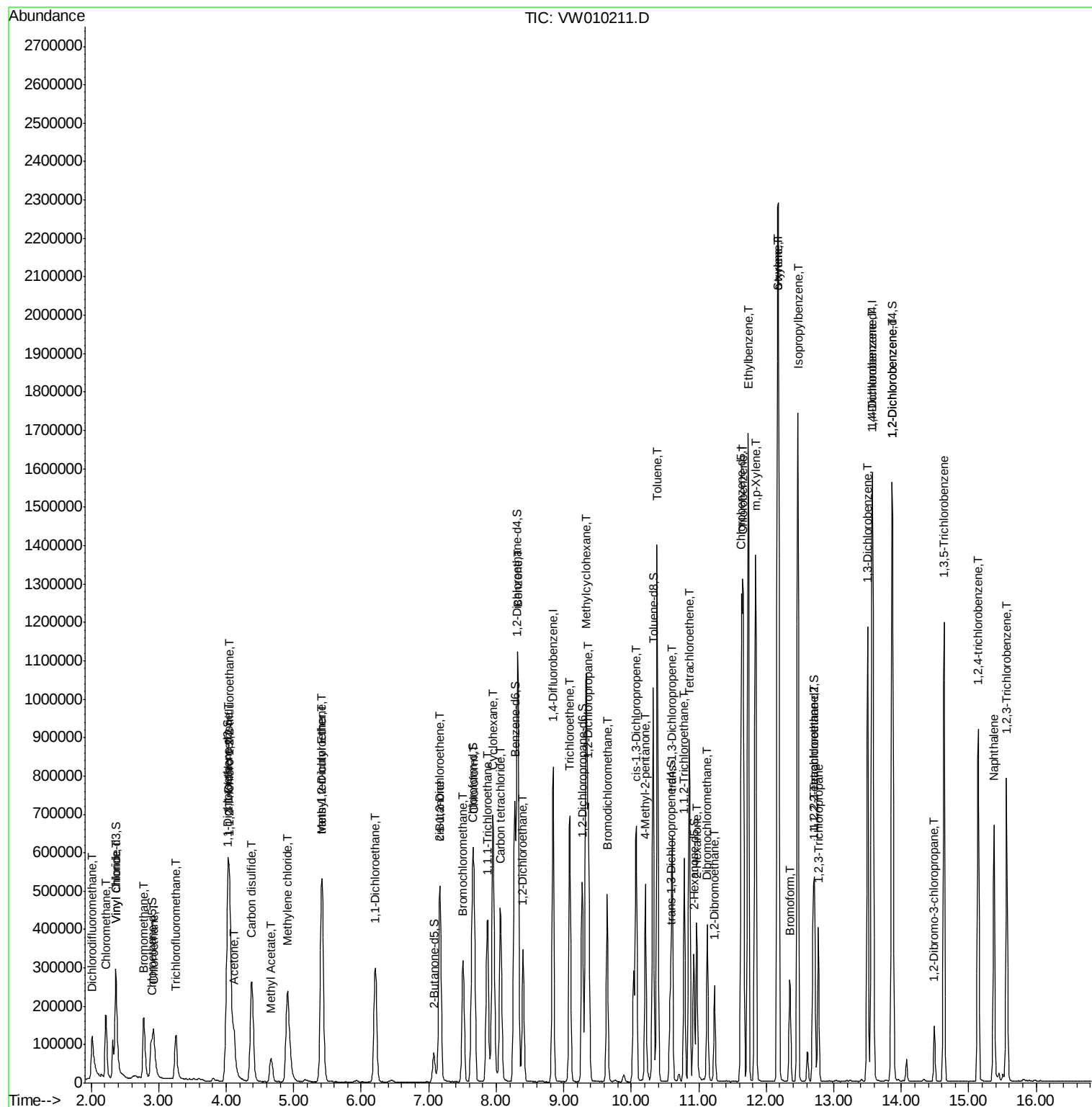
23) Bromochloromethane	7.51	128	101134	25.153	ug/L #	90
25) Chloroform	7.67	83	426889	27.752	ug/L	98
27) 1,2-Dichloroethane	8.40	62	314852	28.922	ug/L	98
30) Cyclohexane	7.95	56	390650	29.090	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	338384	27.309	ug/L	97
32) Carbon tetrachloride	8.06	117	329868	26.822	ug/L	99
34) Benzene	8.32	78	911920	27.402	ug/L	100
35) Trichloroethene	9.09	95	232838	26.239	ug/L	96
36) Methylcyclohexane	9.34	83	409074	27.702	ug/L	96
40) 1,2-Dichloropropane	9.37	63	236708	27.410	ug/L	98
41) Bromodichloromethane	9.64	83	310967	27.389	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	360427	26.830	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	348855	57.317	ug/L	95
44) Toluene	10.38	91	982335	27.580	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	323161	27.651	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	169497	26.260	ug/L	98
47) Tetrachloroethene	10.86	164	180436	24.505	ug/L	98
49) 2-Hexanone	10.97	43	261026	59.992	ug/L	97
50) Dibromochloromethane	11.13	129	203051	25.334	ug/L	95
51) 1,2-Dibromoethane	11.24	107	163044	25.803	ug/L #	98
52) Chlorobenzene	11.66	112	603525	25.867	ug/L	96
53) Ethylbenzene	11.73	91	1116363	27.684	ug/L	99
54) m,p-Xylene	11.84	106	409460	26.980	ug/L	98
55) o-xylene	12.16	106	384608	26.809	ug/L	99
56) Styrene	12.18	104	679633	27.355	ug/L	97
57) Isopropylbenzene	12.47	105	1072752	27.479	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	217283	27.031	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	159706	26.652	ug/L	99
62) Bromoform	12.35	173	114065	24.259	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	445531	25.210	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	468670	25.224	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	424413	25.496	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36505	26.412	ug/L	81
67) 1,3,5-Trichlorobenzene	14.63	180	337874	24.848	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	264081	23.983	ug/L	98
69) Naphthalene	15.37	128	543559	24.107	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	249687	23.995	ug/L	99

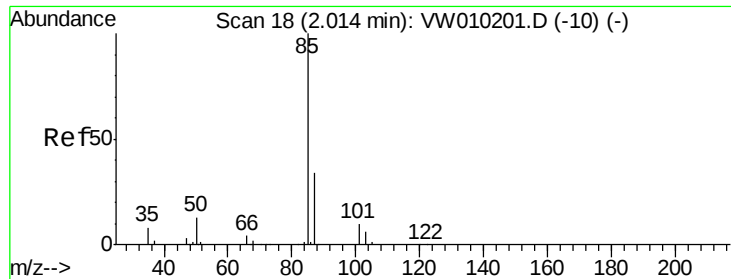
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.136 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

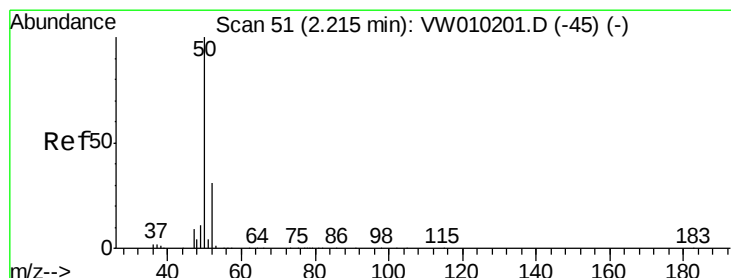
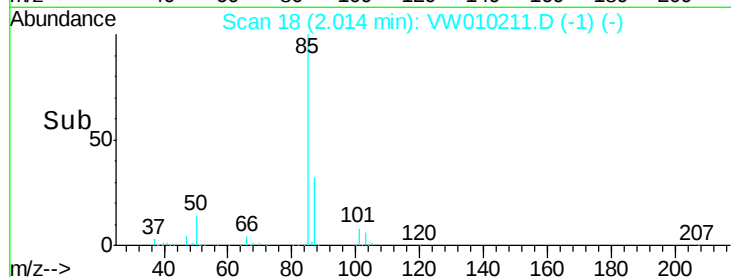
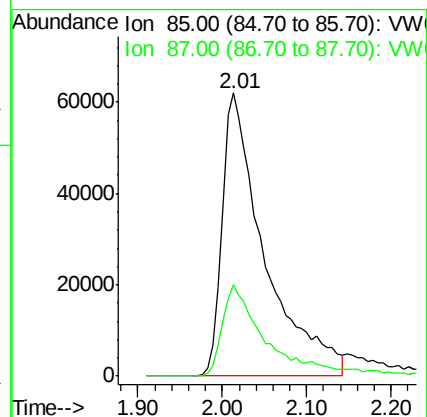
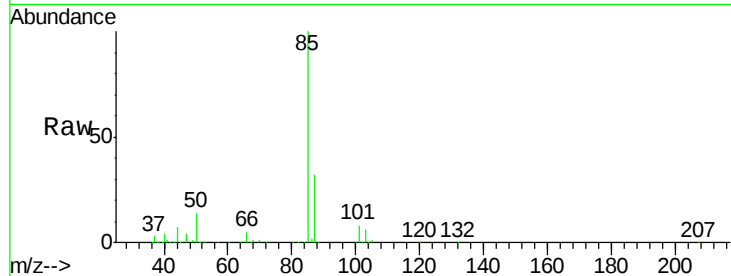
ClientSampleId :

Tot Ion: 85 Resp: 213764

Ion Ratio Lower Upper

85 100

87 28.8 20.6 38.2



#3

Chloromethane

Concen: 25.613 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010211.D

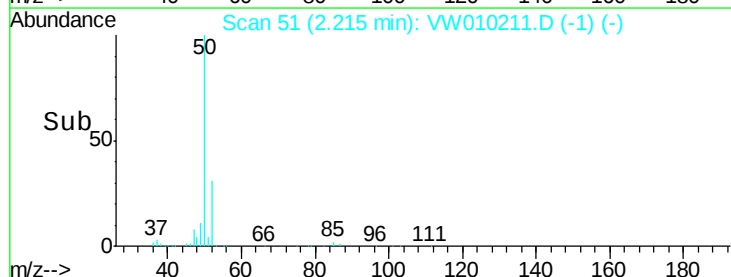
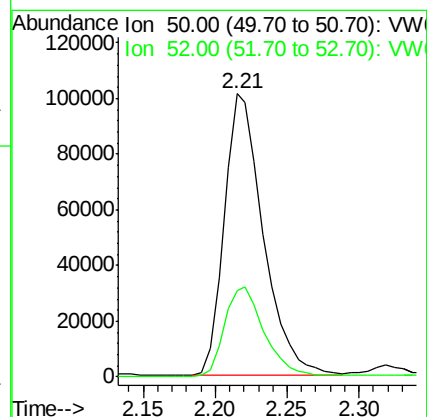
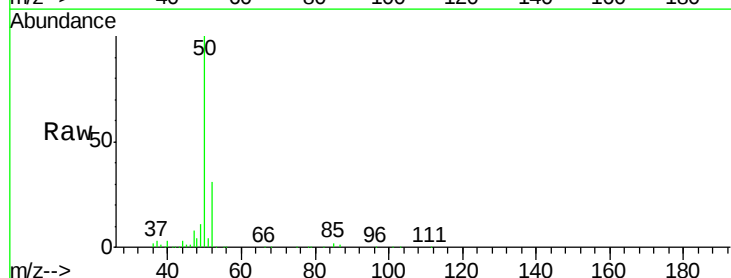
Acq: 30 Apr 2019 09:44

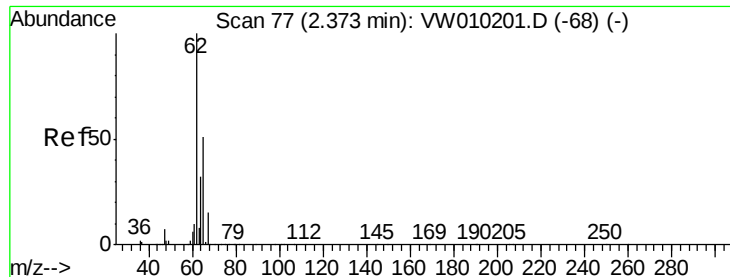
Tgt Ion: 50 Resp: 190915

Ion Ratio Lower Upper

50 100

52 30.7 23.6 43.8





#5

Vinyl chloride

Concen: 26.252 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

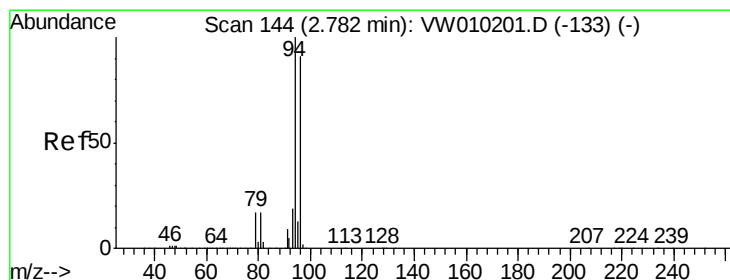
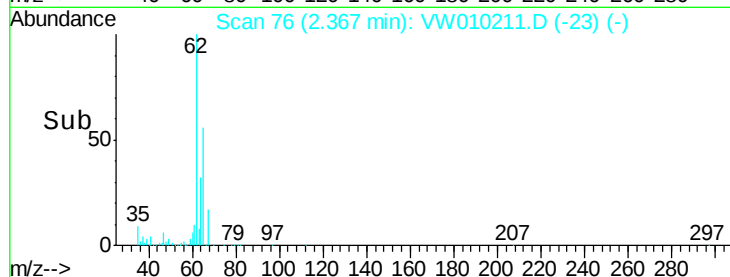
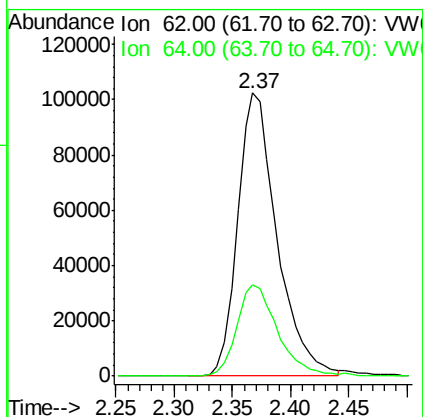
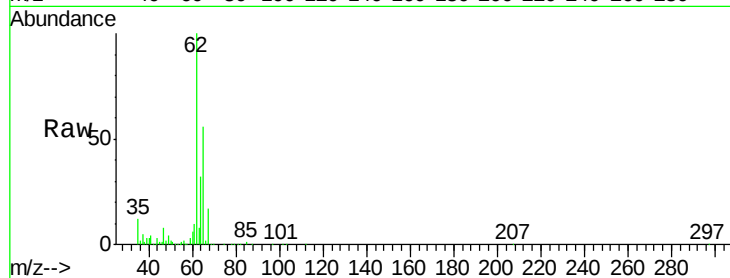
ClientSampled :

Tot Ion: 62 Resp: 240080

Ion Ratio Lower Upper

62 100

64 32.4 23.3 43.3



#6

Bromomethane

Concen: 26.026 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW010211.D

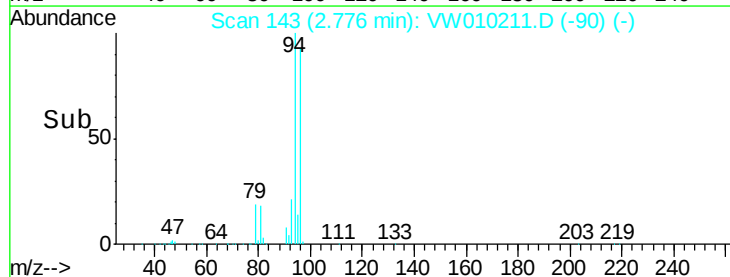
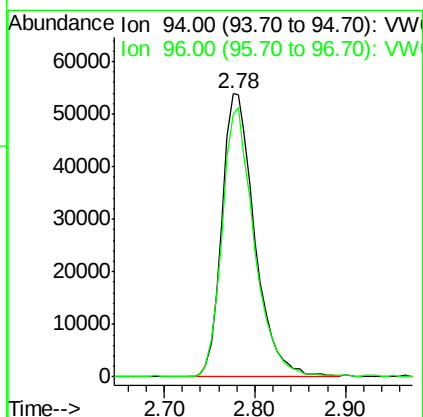
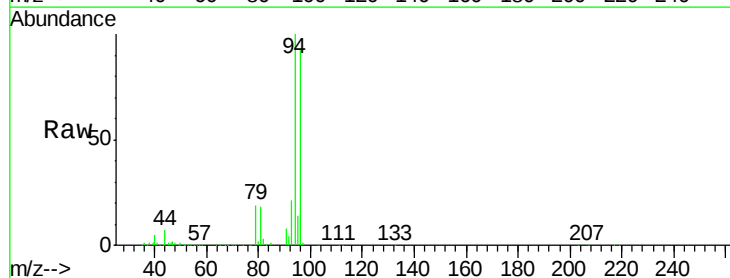
Acq: 30 Apr 2019 09:44

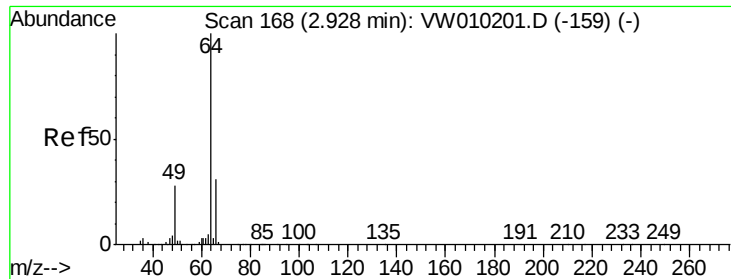
Tgt Ion: 94 Resp: 135934

Ion Ratio Lower Upper

94 100

96 93.2 9.5 180.3





#8

Chloroethane

Concen: 25.671 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

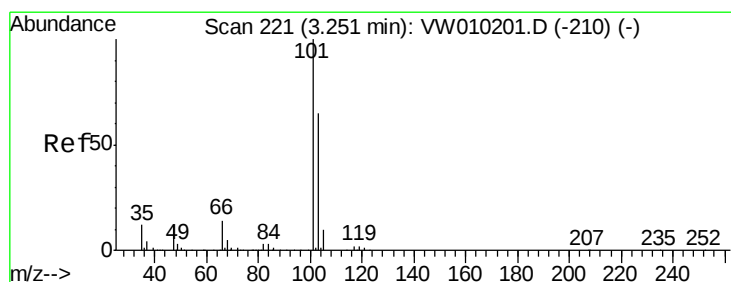
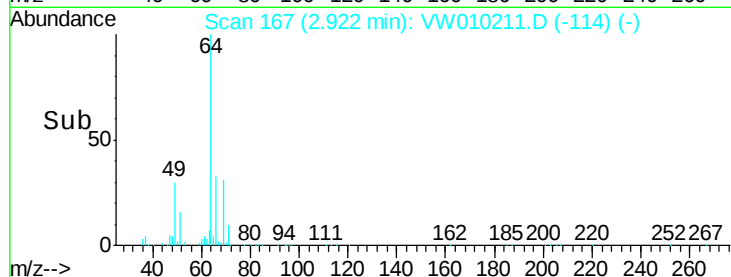
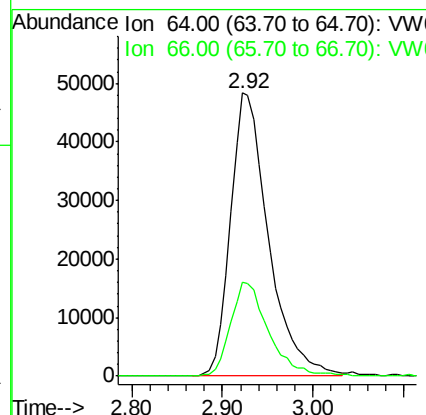
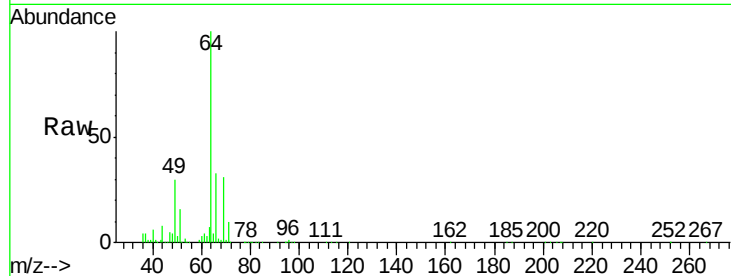
ClientSampleId :

Tot Ion: 64 Resp: 139968

Ion Ratio Lower Upper

64 100

66 33.0 21.3 39.5



#9

Trichlorofluoromethane

Concen: 26.020 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW010211.D

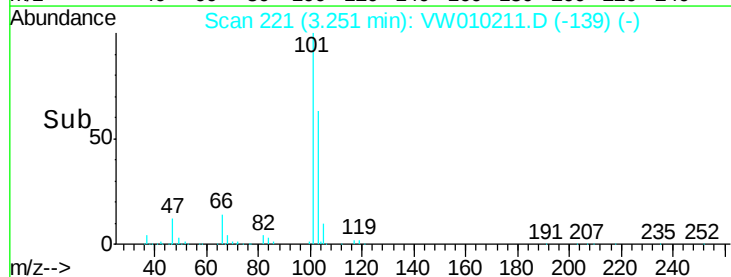
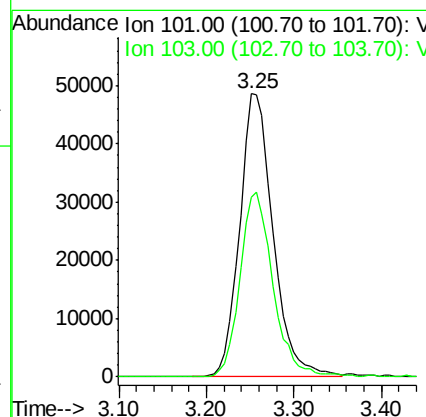
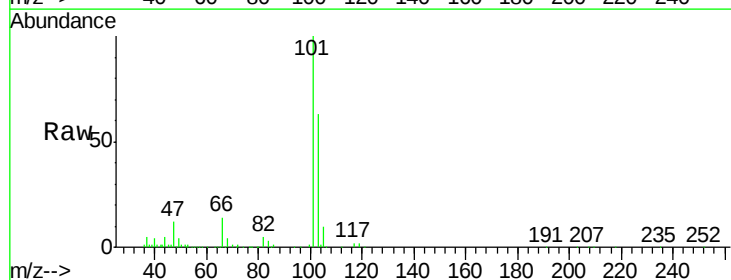
Acq: 30 Apr 2019 09:44

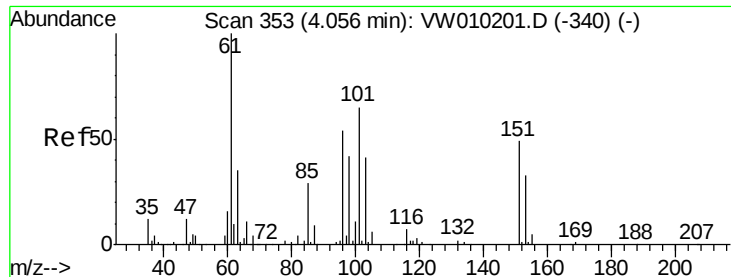
Tgt Ion: 101 Resp: 129423

Ion Ratio Lower Upper

101 100

103 64.5 45.5 84.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.641 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

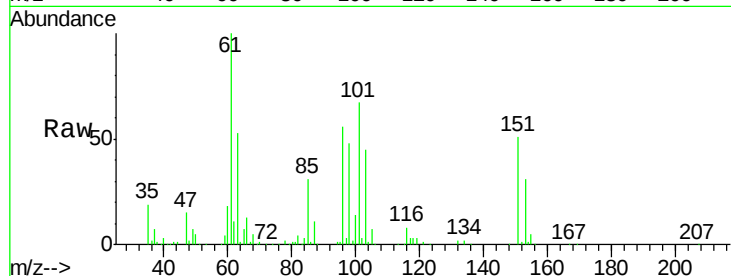
Tot Ion:101 Resp: 202579

Ion Ratio Lower Upper

101 100

85 42.5 33.8 50.6

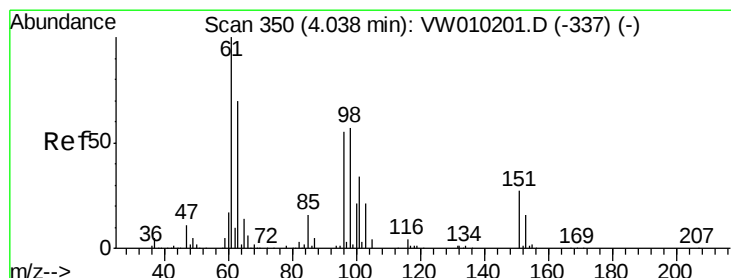
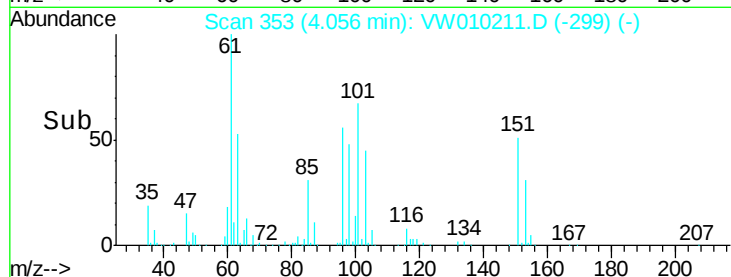
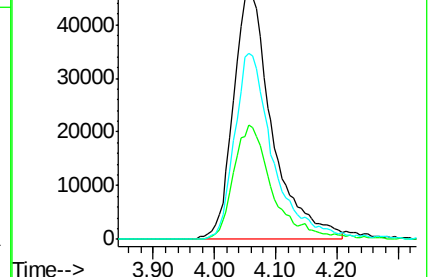
151 73.6 62.6 93.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.961 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

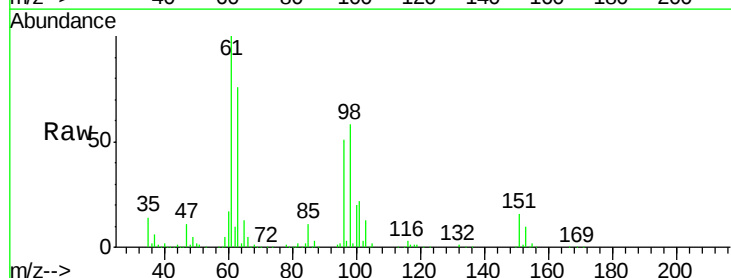
Tgt Ion: 96 Resp: 206375

Ion Ratio Lower Upper

96 100

61 195.9 125.2 232.6

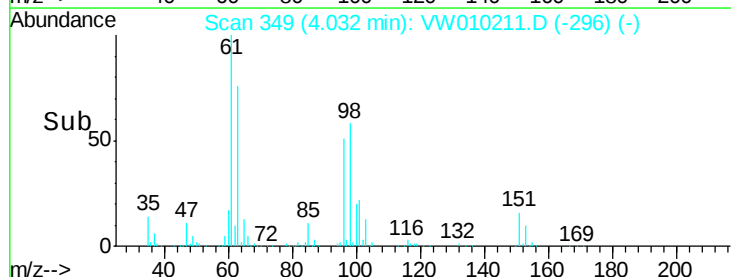
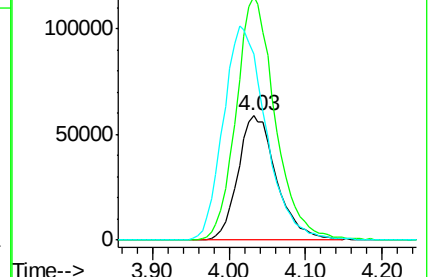
63 149.4 106.3 197.3

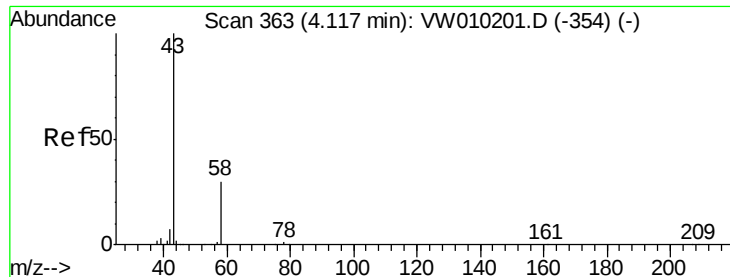


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.008 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

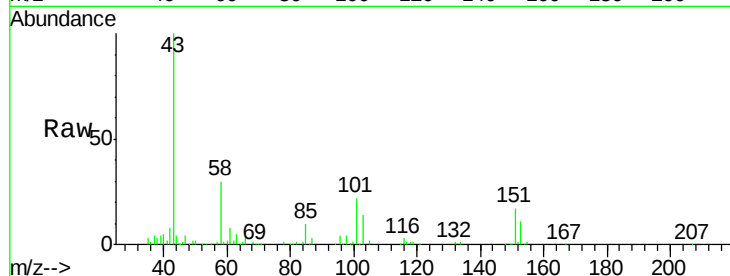
ClientSampled :

Tot Ion: 43 Resp: 120933

Ion Ratio Lower Upper

43 100

58 28.1 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

50000

40000

30000

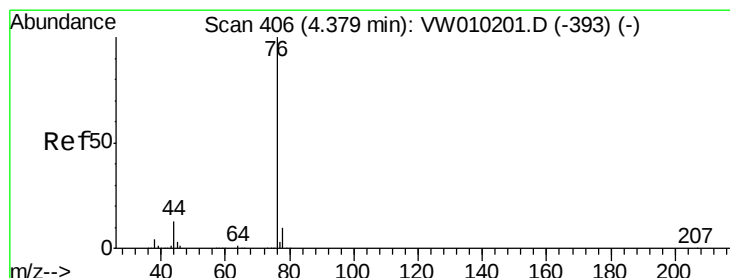
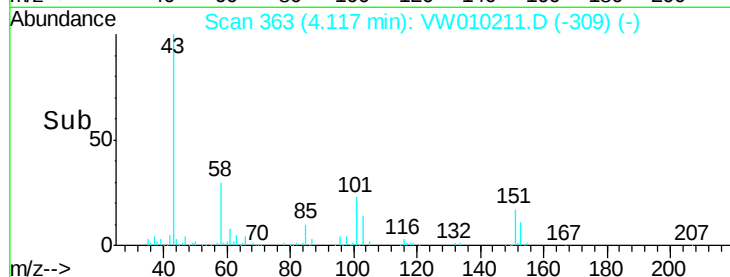
20000

10000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 27.885 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010211.D

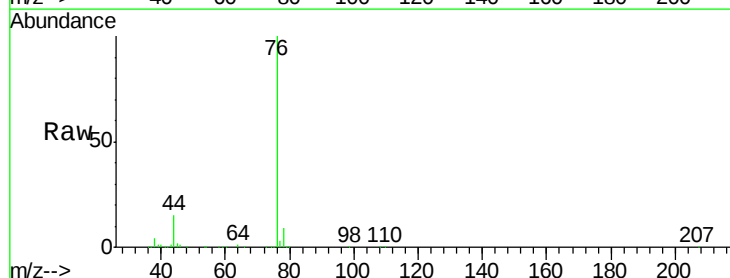
Acq: 30 Apr 2019 09:44

Tgt Ion: 76 Resp: 615031

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

200000

150000

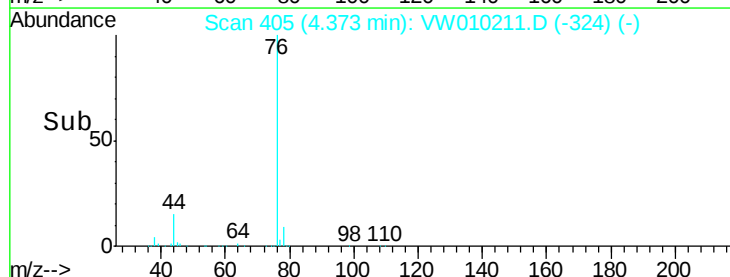
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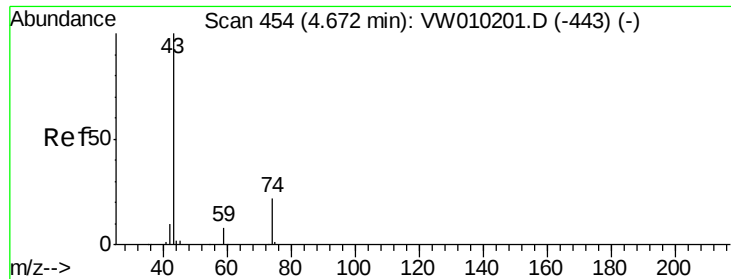
50000

0

Time-->

4.20 4.30 4.40 4.50

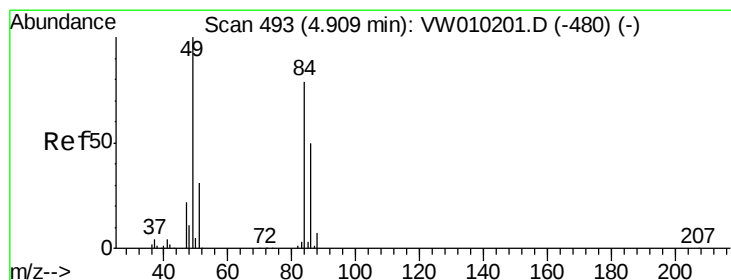
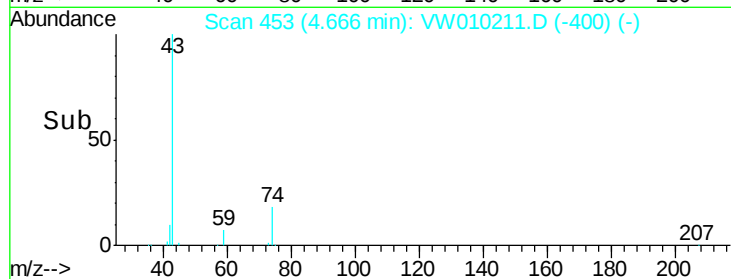
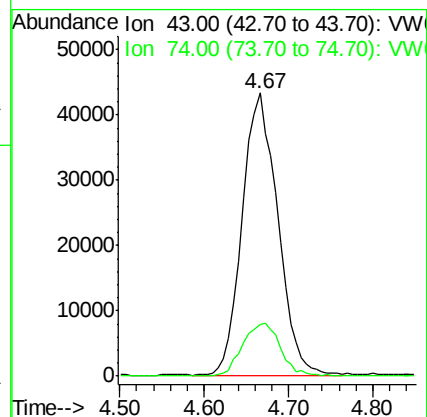
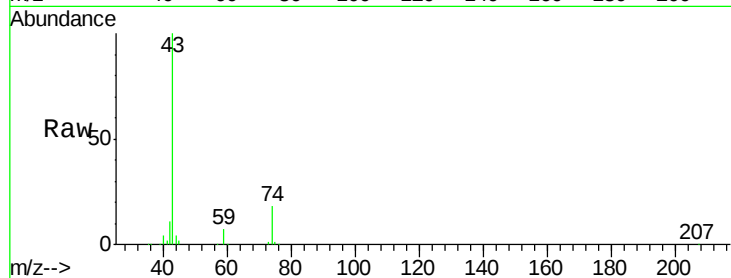




#15
Methyl Acetate
Concen: 27.408 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

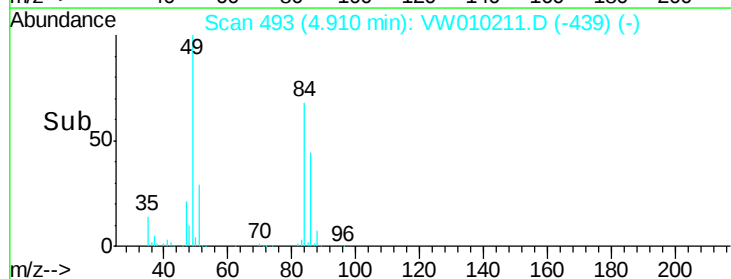
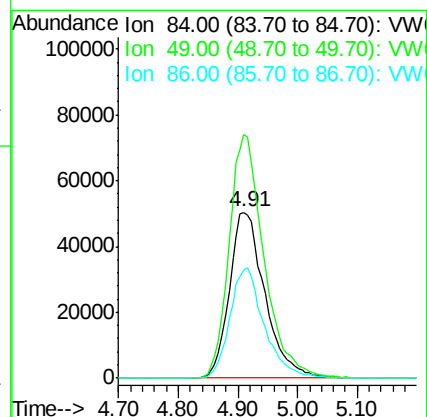
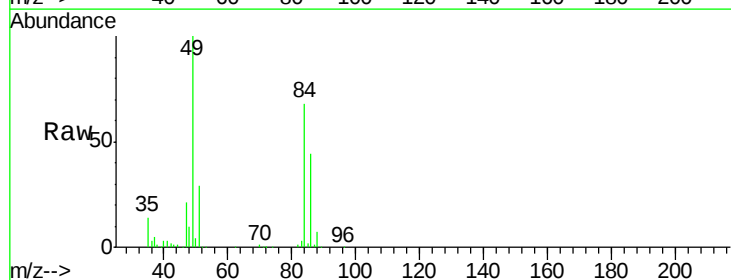
Instrument :
MSVOA_W
ClientSampled :

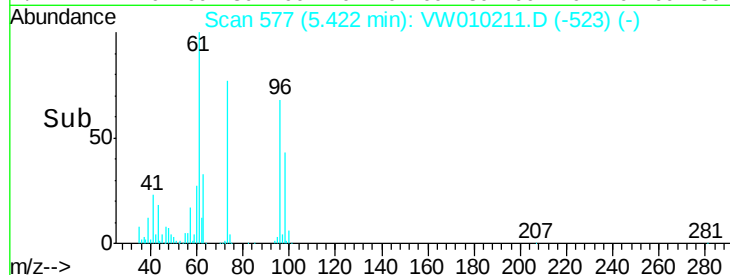
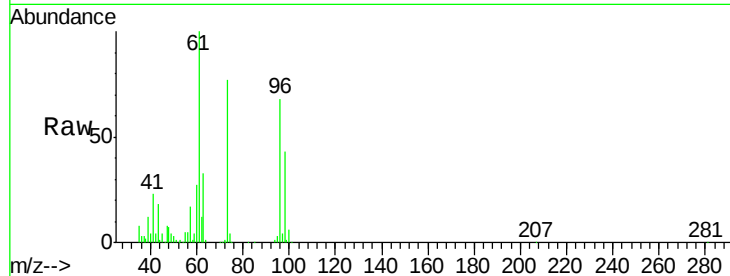
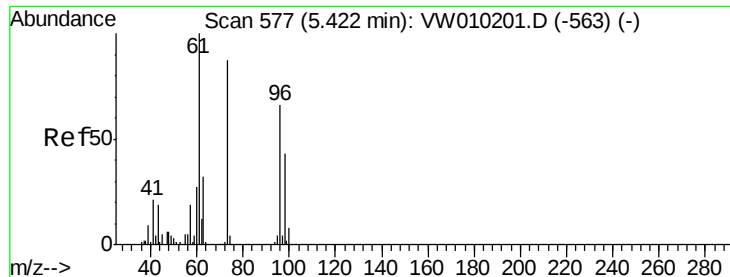
Tot Ion: 43 Resp: 124055
Ion Ratio Lower Upper
43 100
74 20.0 17.5 26.3



#16
Methylene chloride
Concen: 19.874 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

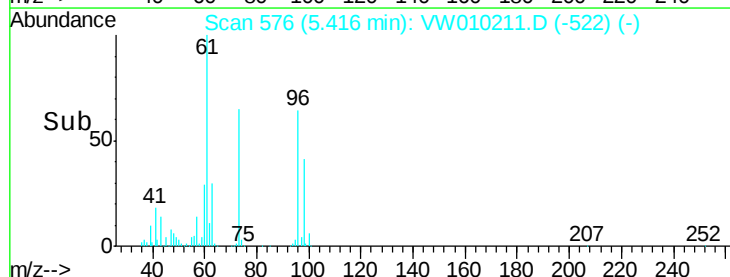
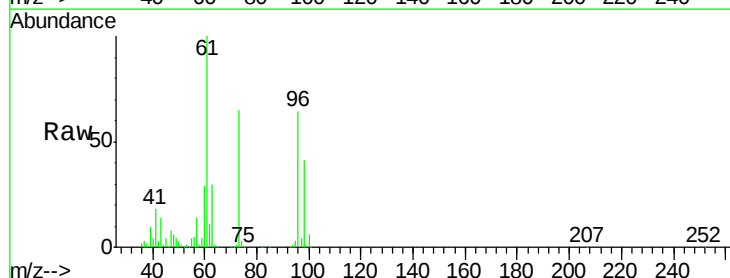
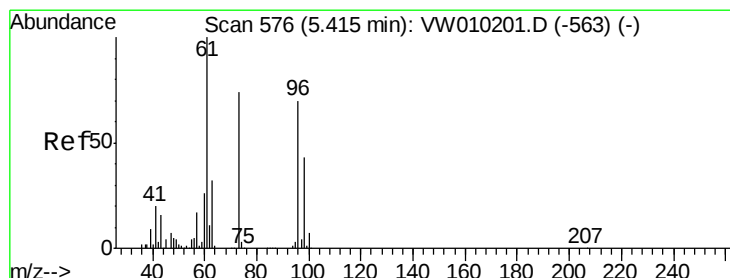
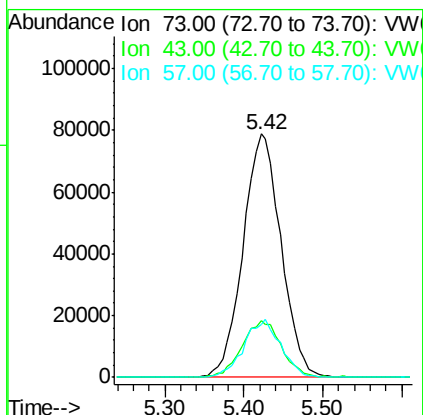
Tgt Ion: 84 Resp: 208504
Ion Ratio Lower Upper
84 100
49 146.8 90.2 167.6
86 65.2 46.3 86.1





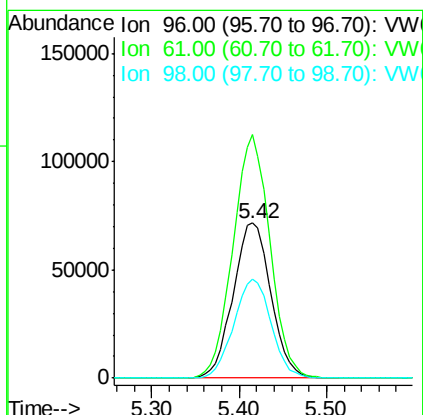
#17
Methvl tert-butvl Ether
Concen: 26.504 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

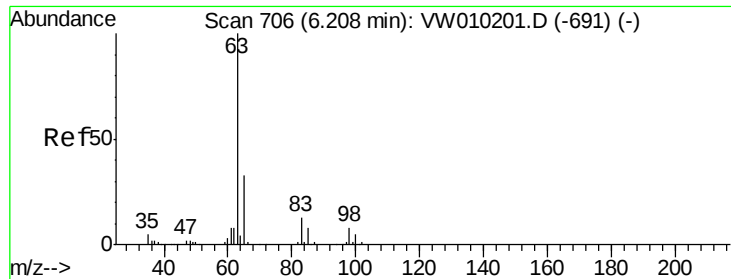
Tot Ion	73	Resp	263735
Ion Ratio	Lower	Upper	
73	100		
43	23.8	17.5	26.3
57	23.0	17.8	26.6



#18
trans-1,2-Dichloroethene
Concen: 26.591 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Tgt Ion	96	Resp	215039
Ion Ratio	Lower	Upper	
96	100		
61	157.4	99.4	184.6
98	64.0	44.8	83.2





#19

1,1-Dichloroethane

Concen: 27.964 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

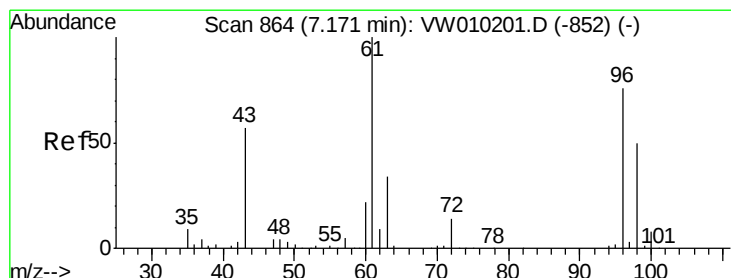
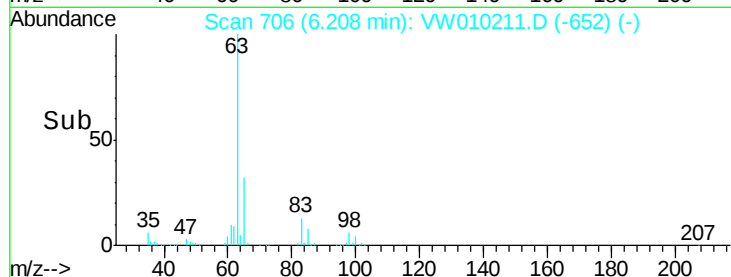
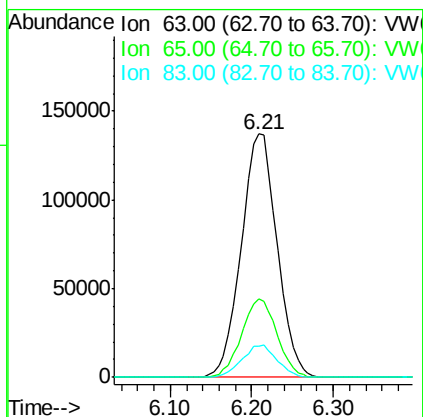
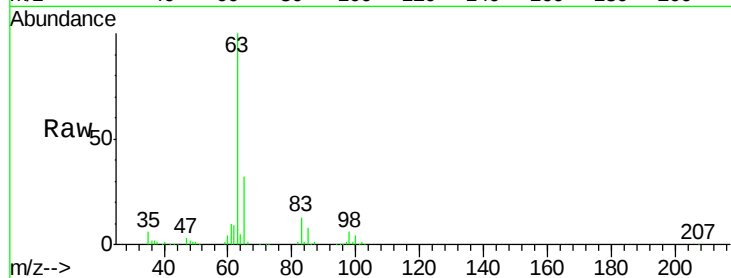
Tot Ion: 63 Resp: 419803

Ion Ratio Lower Upper

63 100

65 32.1 22.0 40.8

83 13.0 8.8 16.4



#21

2-Butanone

Concen: 55.718 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010211.D

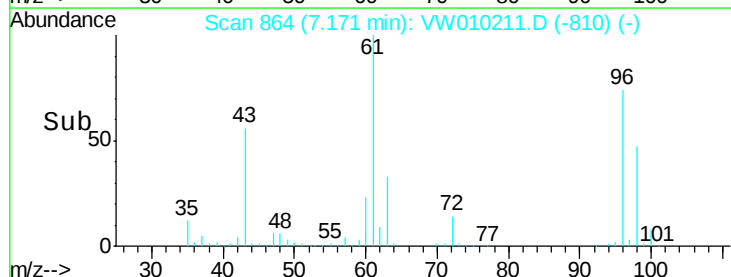
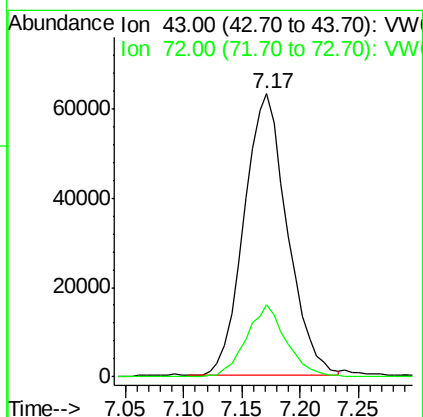
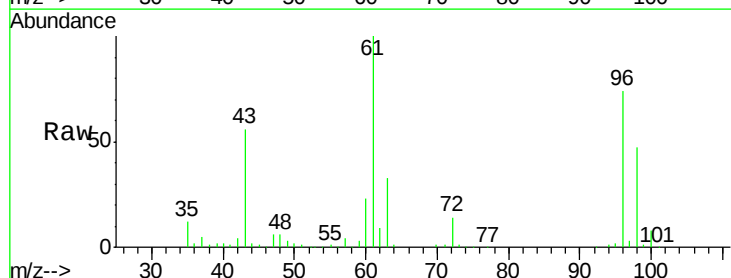
Acq: 30 Apr 2019 09:44

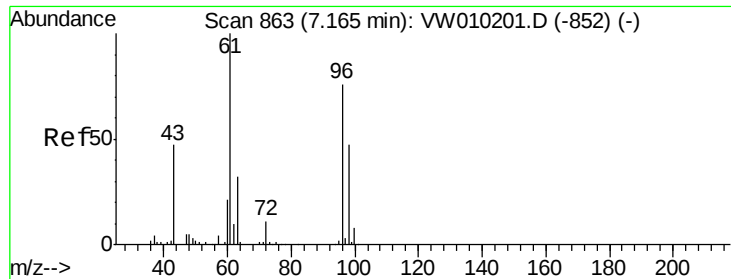
Tgt Ion: 43 Resp: 162896

Ion Ratio Lower Upper

43 100

72 23.8 12.8 38.3



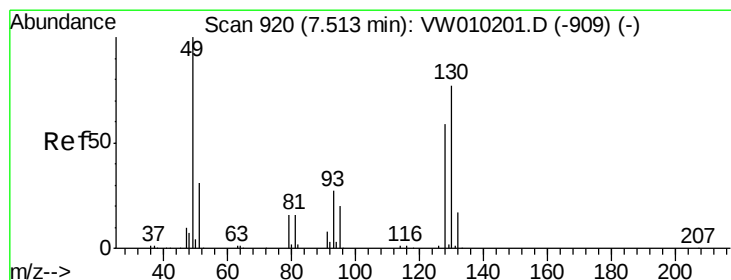
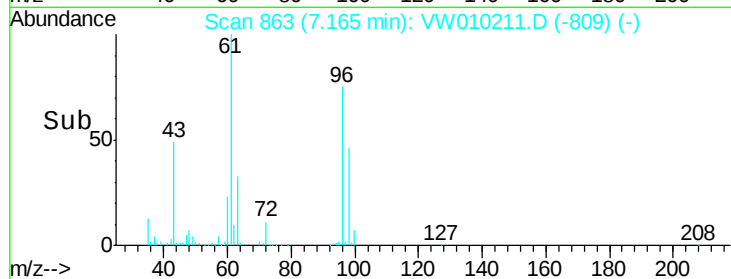
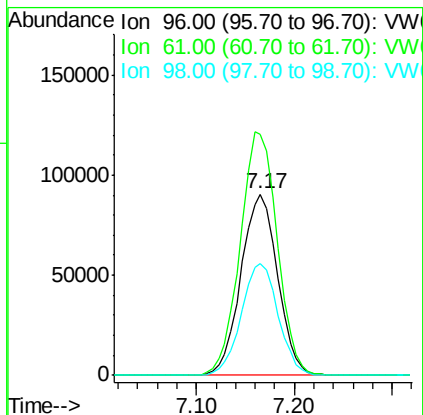
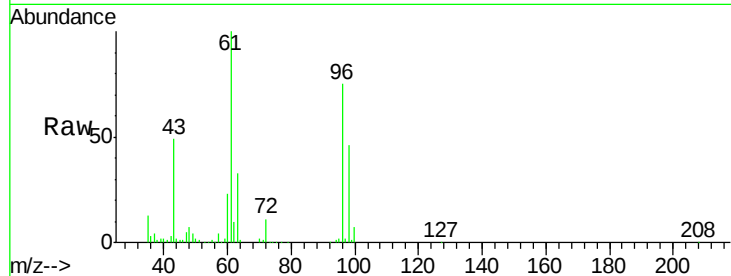


#22

cis-1,2-Dichloroethene
 Concen: 26.916 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

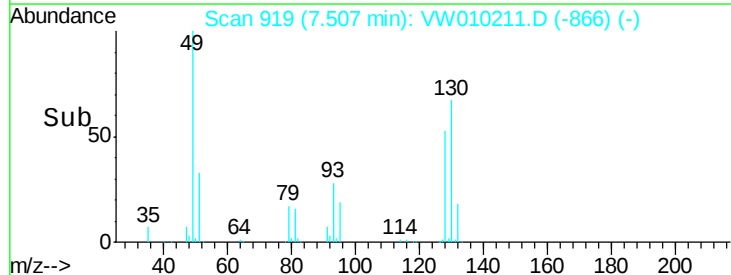
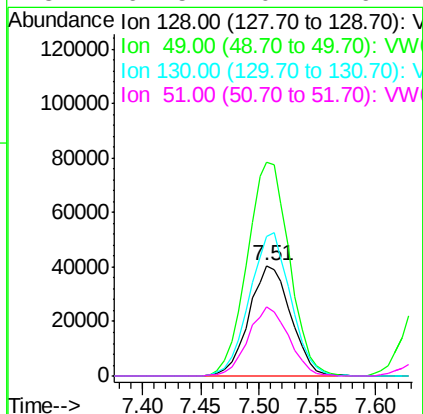
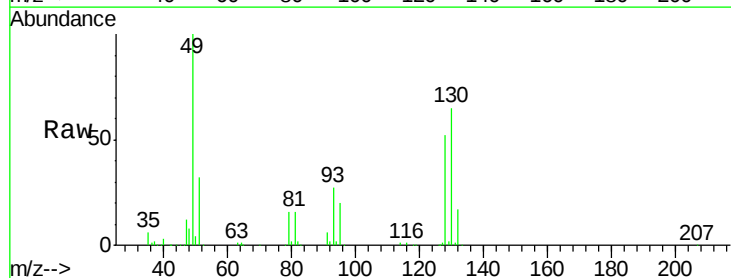
Tot Ion	96	Resp	235393
Ion	Ratio	Lower	Upper
96	100		
61	133.6	90.0	167.2
98	61.6	42.8	79.6

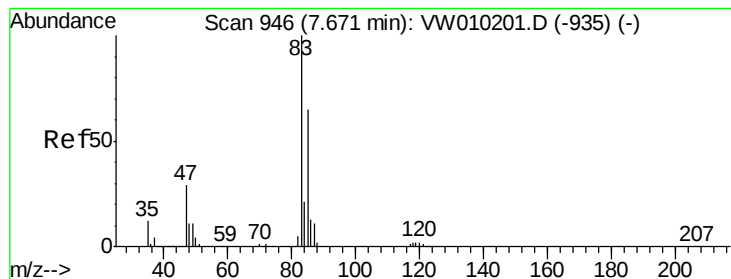


#23

Bromochloromethane
 Concen: 25.153 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion	128	Resp	101134
Ion	Ratio	Lower	Upper
128	100		
49	192.9	121.7	225.9
130	125.7	91.1	169.1
51	62.5	40.7	61.1#





#25

Chloroform

Concen: 27.752 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

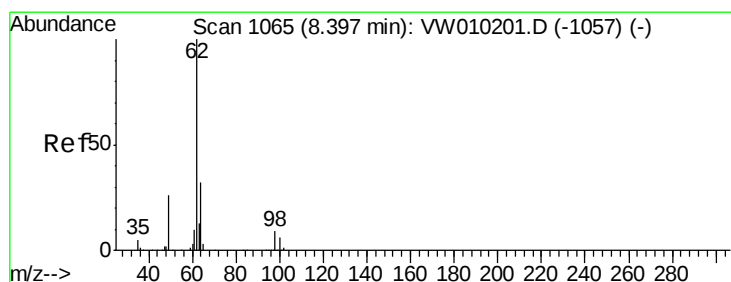
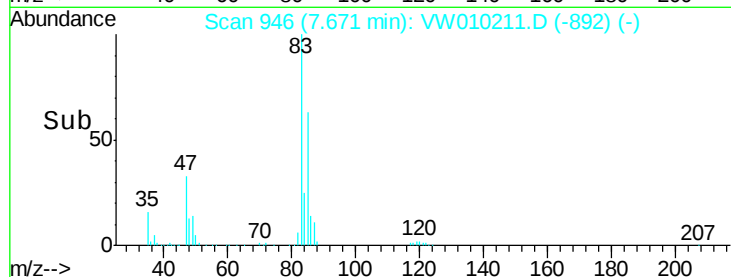
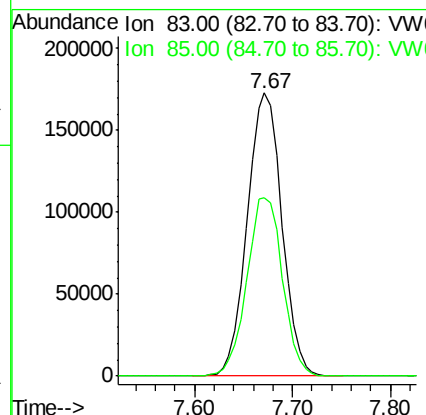
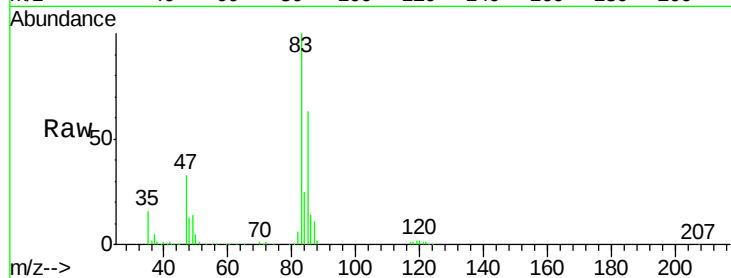
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 426889

Ion Ratio Lower Upper

83 100

85 64.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 28.922 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010211.D

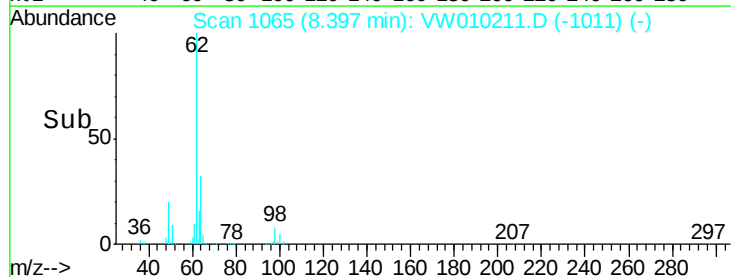
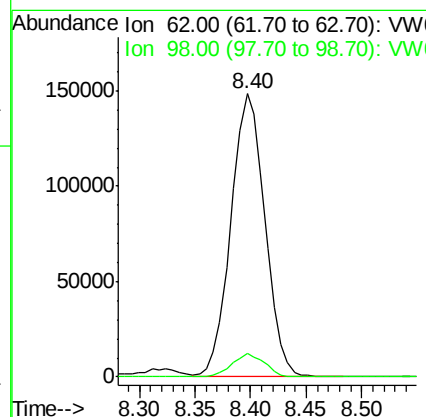
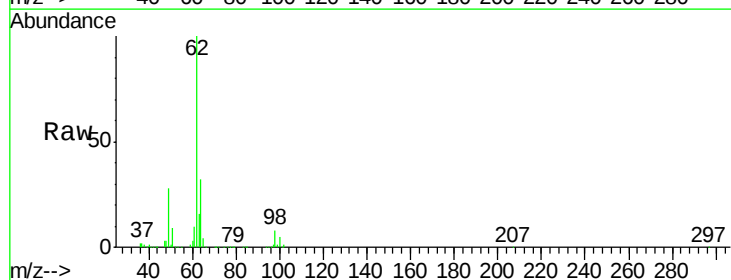
Acq: 30 Apr 2019 09:44

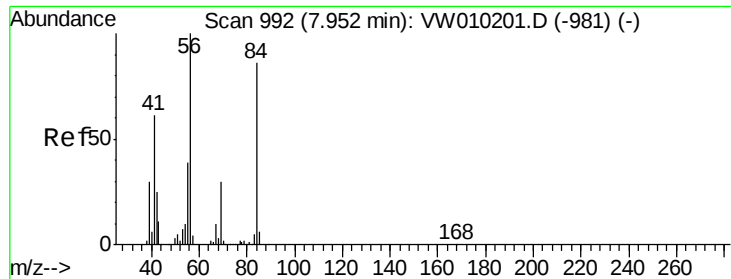
Tgt Ion: 62 Resp: 314852

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.6

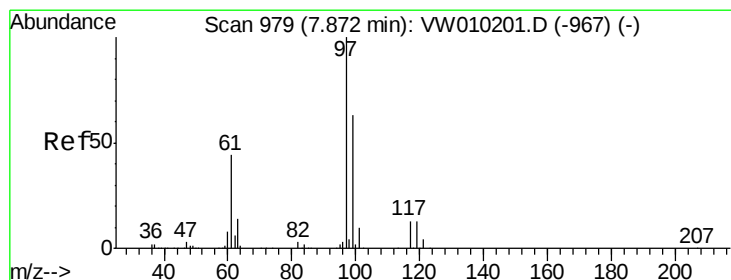
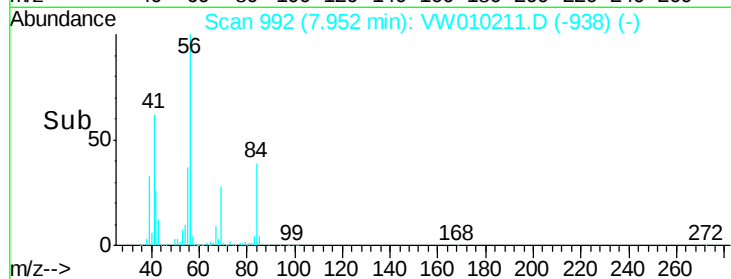
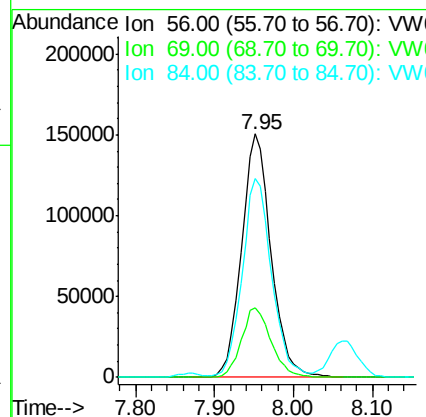
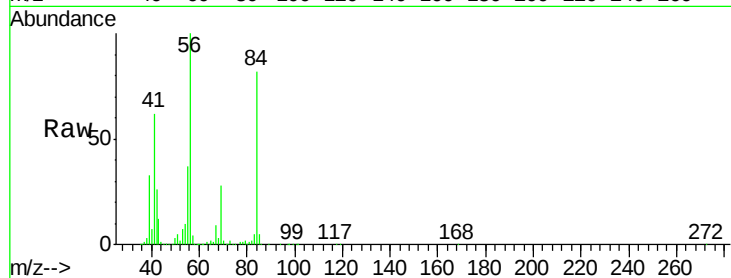




#30
Cyclohexane
Concen: 29.090 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

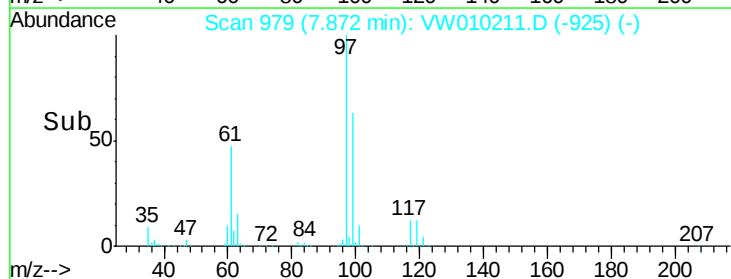
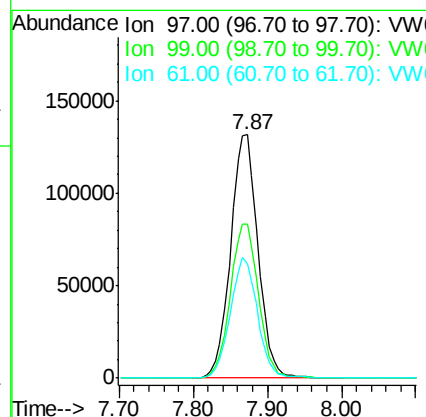
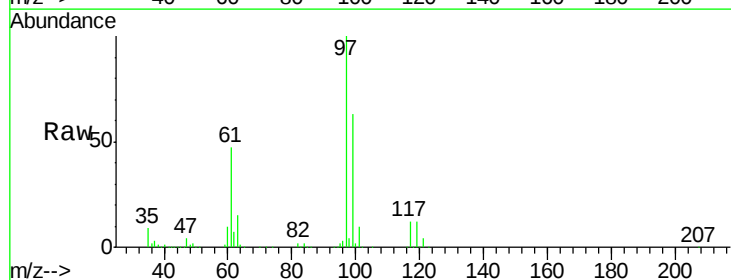
Instrument :
MSVOA_W
ClientSampleId :

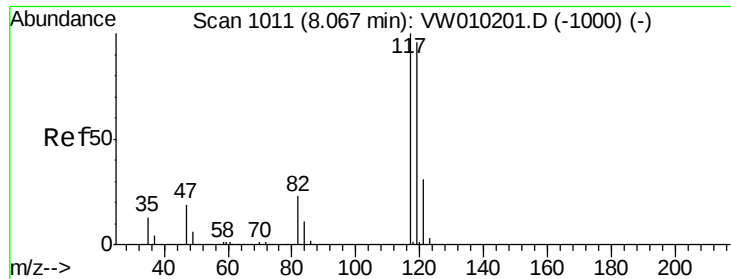
Tot Ion: 56 Resp: 390650
Ion Ratio Lower Upper
56 100
69 28.9 23.4 35.2
84 81.9 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 27.309 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Tgt Ion: 97 Resp: 338384
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 48.9 36.2 54.4

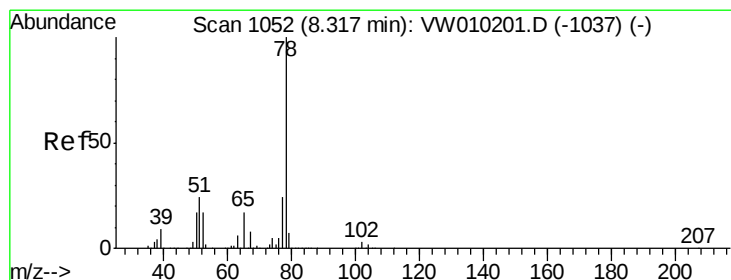
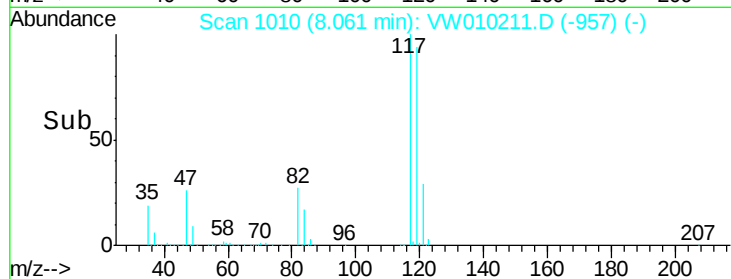
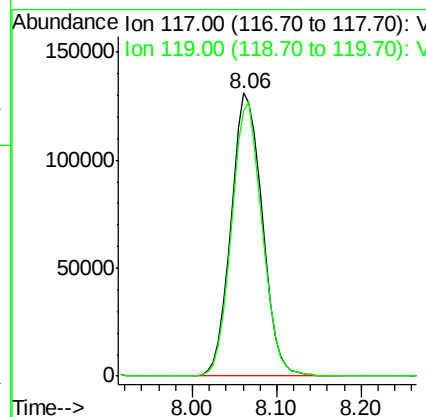
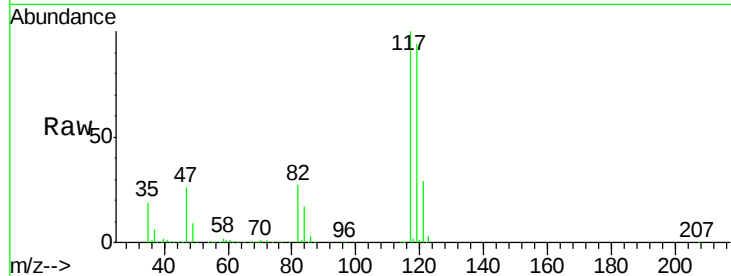




#32
Carbon tetrachloride
Concen: 26.822 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

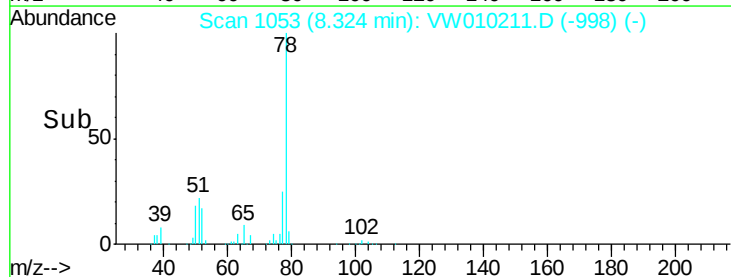
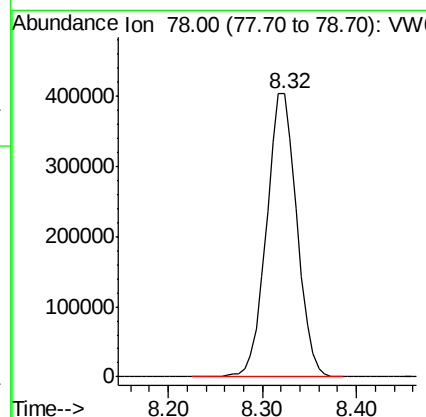
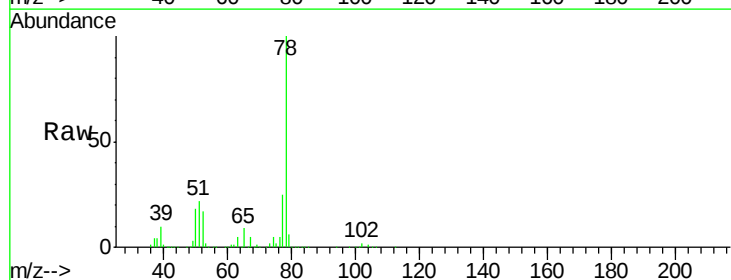
Instrument :
MSVOA_W
ClientSampleId :

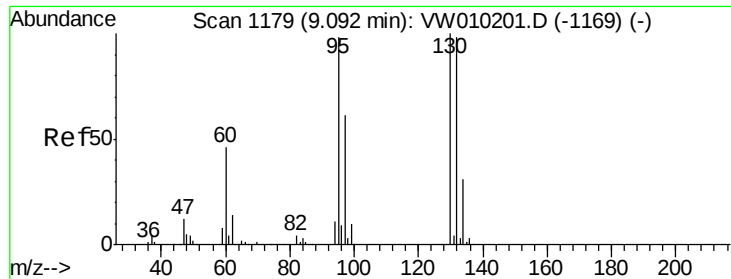
Tot Ion:117 Resp: 329868
Ion Ratio Lower Upper
117 100
119 95.0 77.1 115.7



#34
Benzene
Concen: 27.402 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Tgt Ion: 78 Resp: 911920

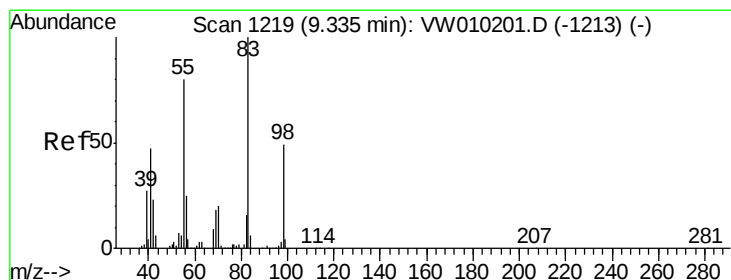
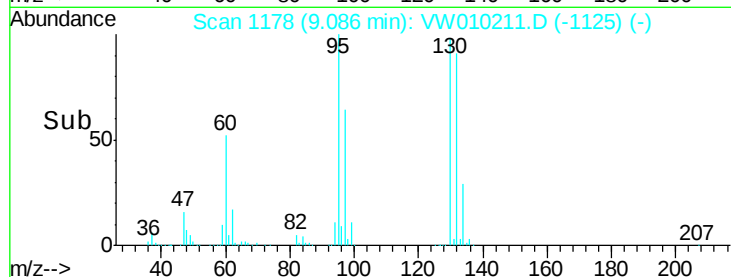
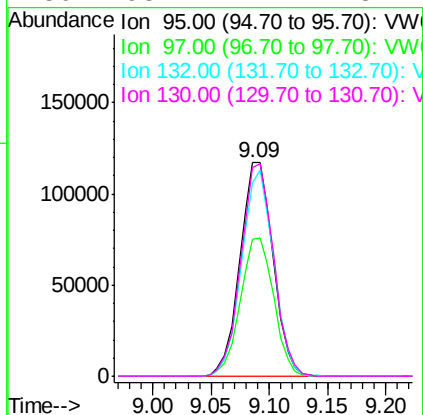
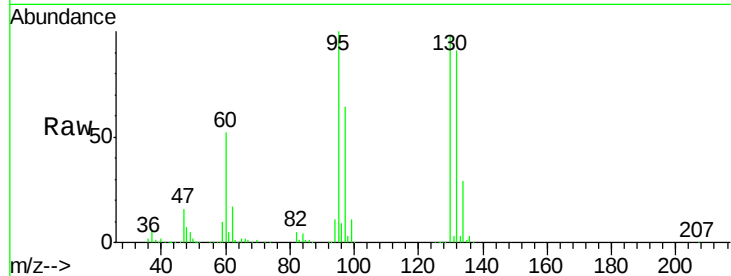




#35
 Trichloroethene
 Concen: 26.239 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

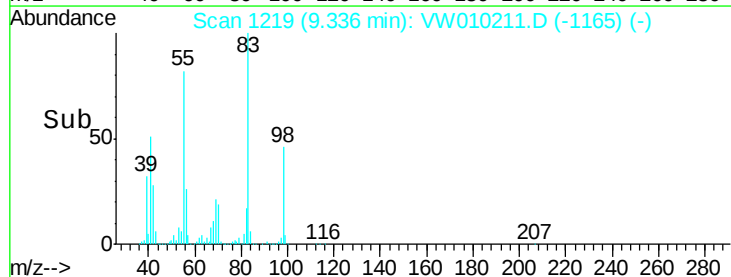
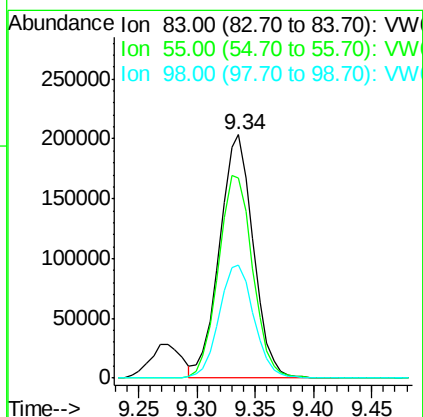
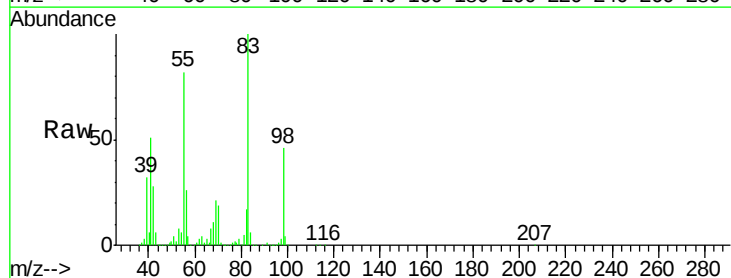
Instrument :
 MSVOA_W
 ClientSampleId :

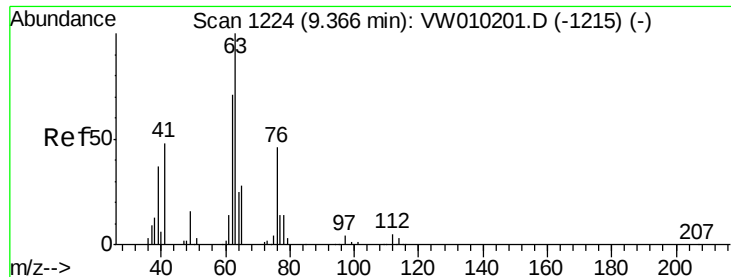
Tot Ion:	95	Resp:	232838
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.4	84.2
132	93.7	69.2	128.6
130	98.4	72.2	134.2



#36
 Methylcyclohexane
 Concen: 27.702 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion:	83	Resp:	409074
Ion	Ratio	Lower	Upper
83	100		
55	84.8	64.5	96.7
98	48.0	39.4	59.2





#40

1,2-Dichloropropane

Concen: 27.410 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

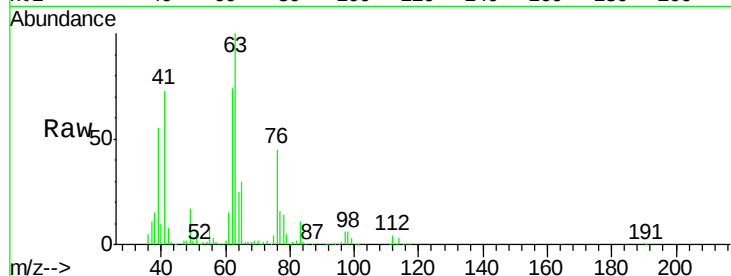
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 236708

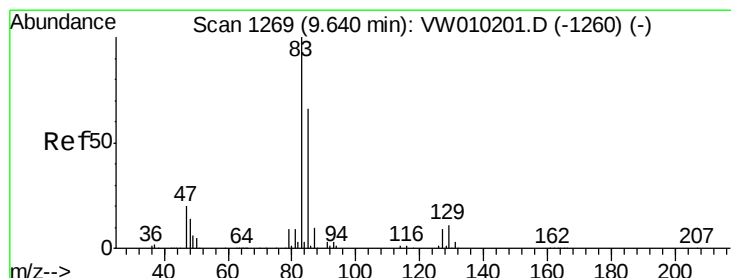
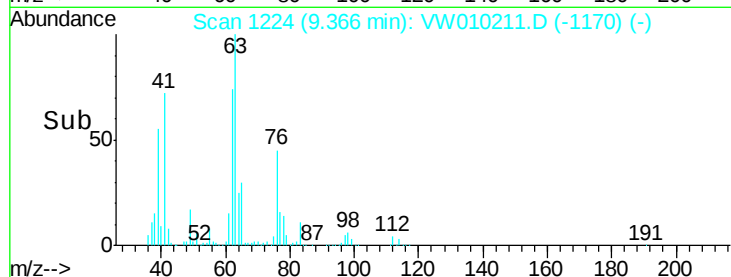
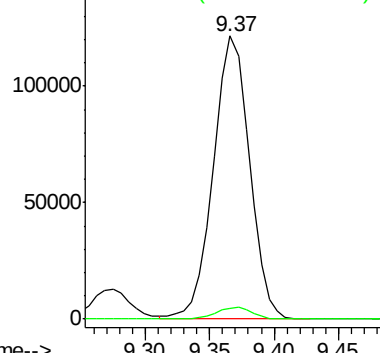
Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.389 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

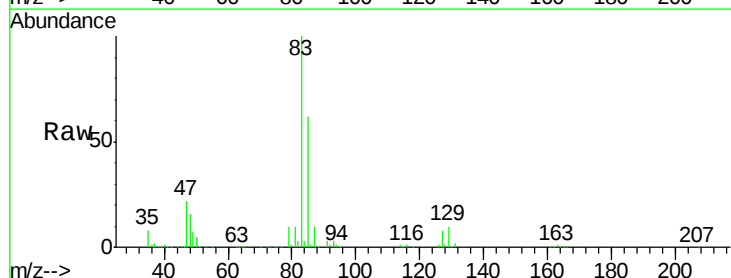
Tgt Ion: 83 Resp: 310967

Ion Ratio Lower Upper

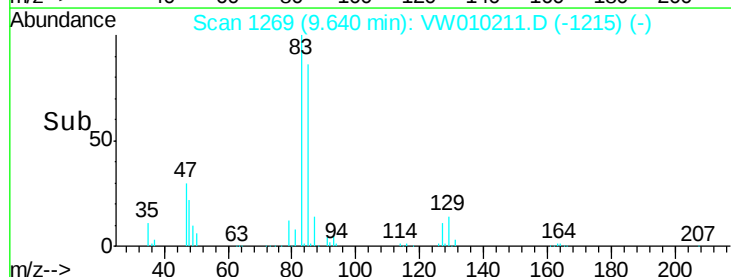
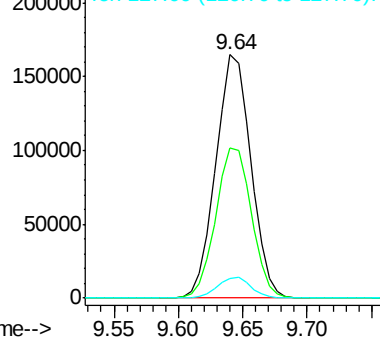
83 100

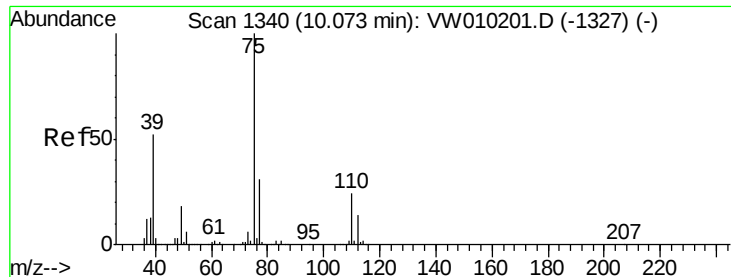
85 61.6 45.8 85.0

127 8.1 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 127.00 (126.70 to 127.70): V

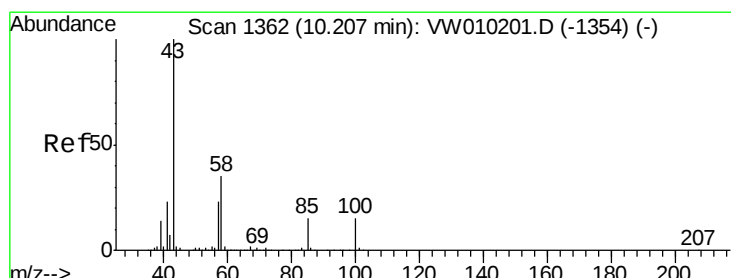
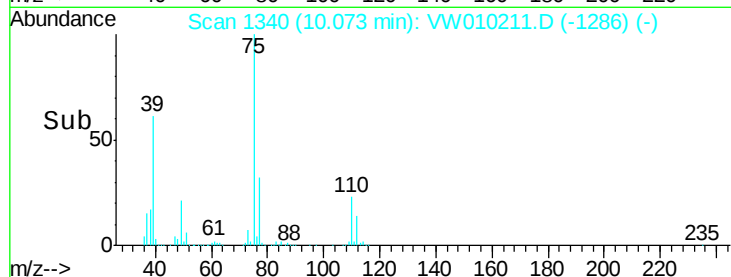
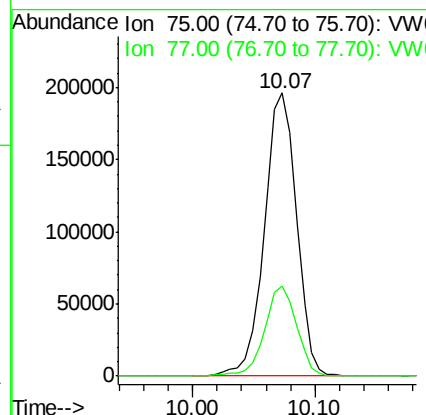
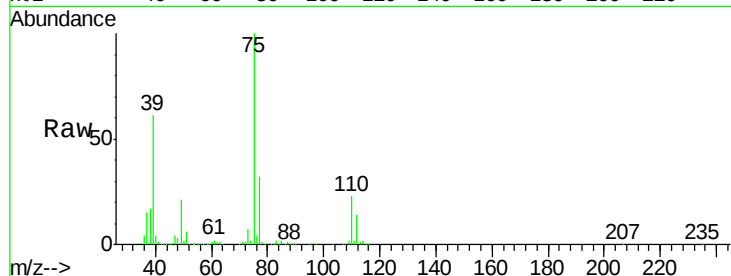




#42
 cis-1,3-Dichloropropene
 Concen: 26.830 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

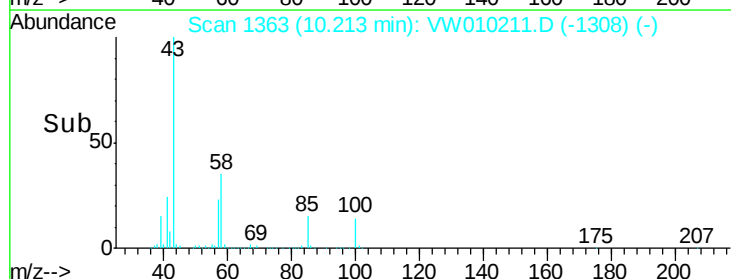
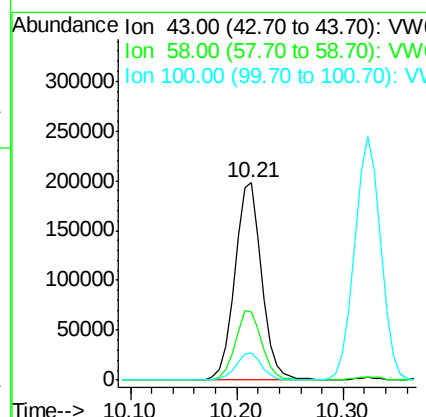
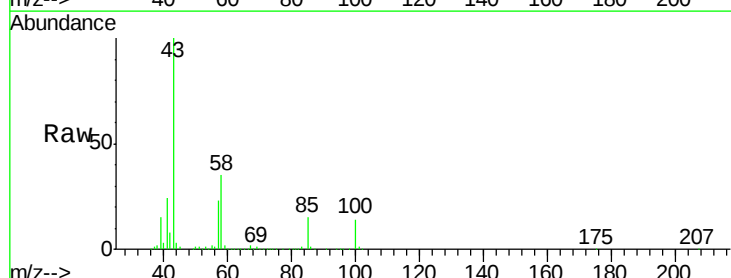
Instrument :
 MSVOA_W
 ClientSampled :

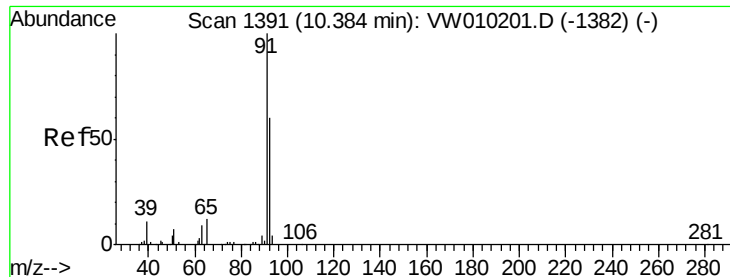
Tot Ion: 75 Resp: 360427
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 57.317 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion: 43 Resp: 348855
 Ion Ratio Lower Upper
 43 100
 58 35.0 30.3 45.5
 100 13.2 11.9 17.9





#44

Toluene

Concen: 27.580 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

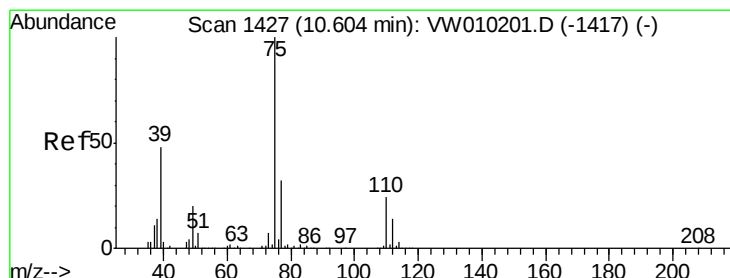
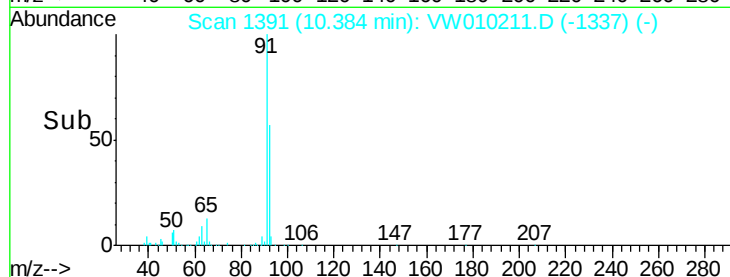
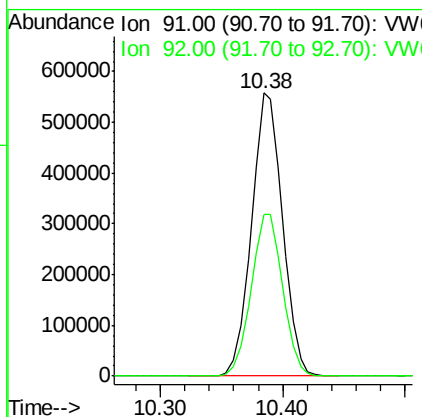
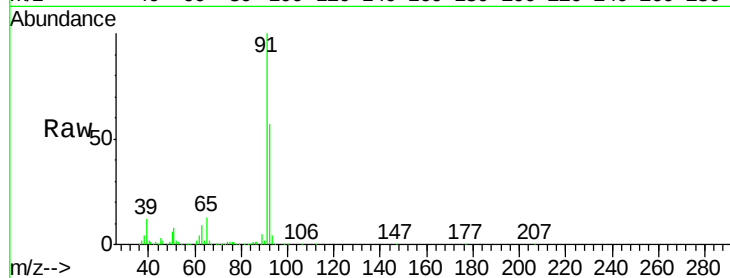
ClientSampled :

Tot Ion: 91 Resp: 982335

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 27.651 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010211.D

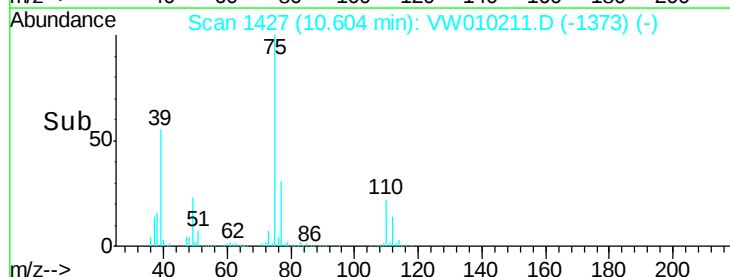
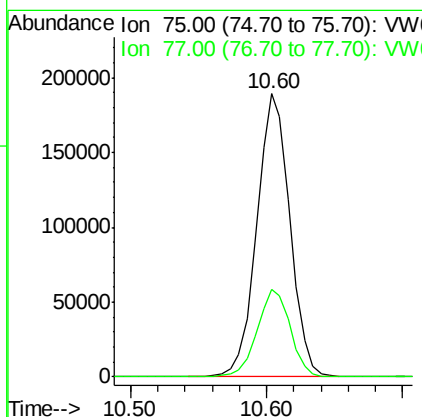
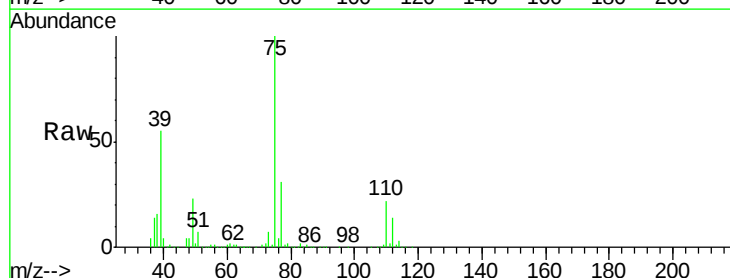
Acq: 30 Apr 2019 09:44

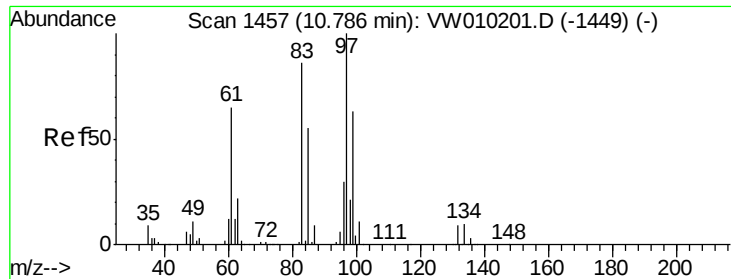
Tgt Ion: 75 Resp: 323161

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 26.260 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 169497

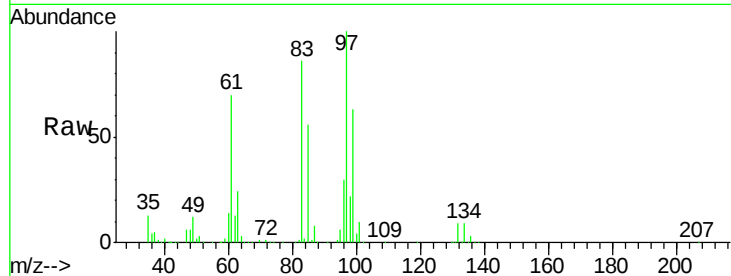
Ion	Ratio	Lower	Upper
97	100		
83	86.0	60.0	111.4
85	56.1	36.8	68.4
99	62.6	44.4	82.5

97 100

83 86.0 60.0 111.4

85 56.1 36.8 68.4

99 62.6 44.4 82.5



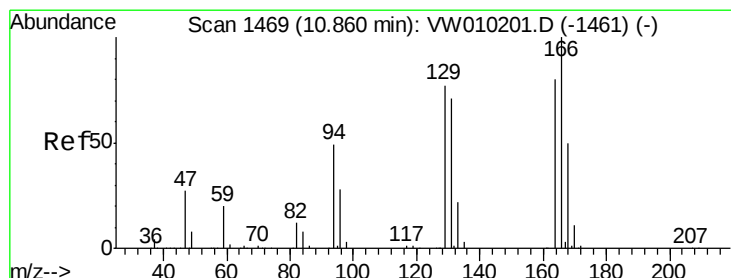
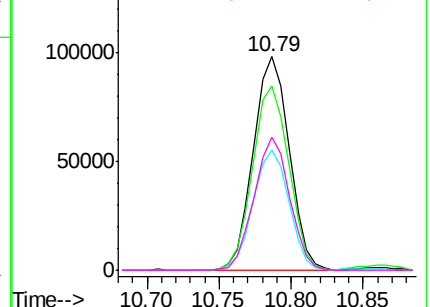
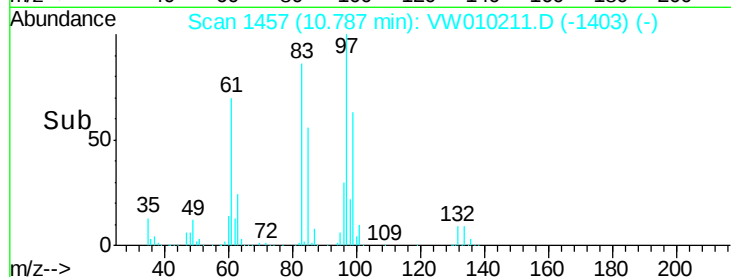
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.505 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Tgt Ion: 164 Resp: 180436

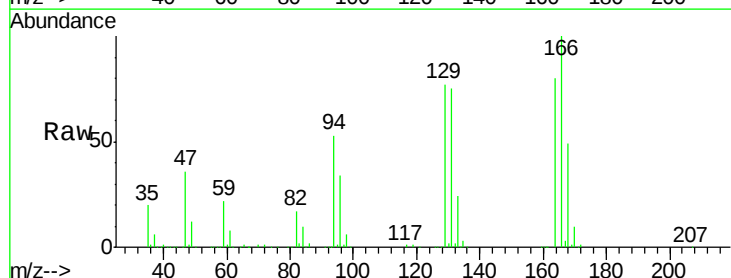
Ion	Ratio	Lower	Upper
164	100		
129	96.7	68.3	126.9
131	94.7	66.8	124.0
166	125.6	91.1	169.3

164 100

129 96.7 68.3 126.9

131 94.7 66.8 124.0

166 125.6 91.1 169.3



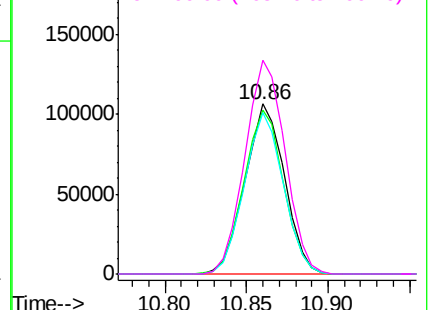
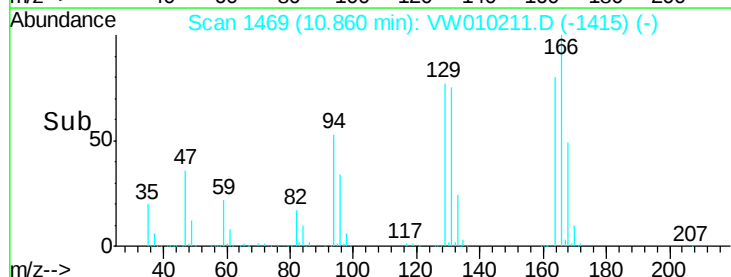
Abundance

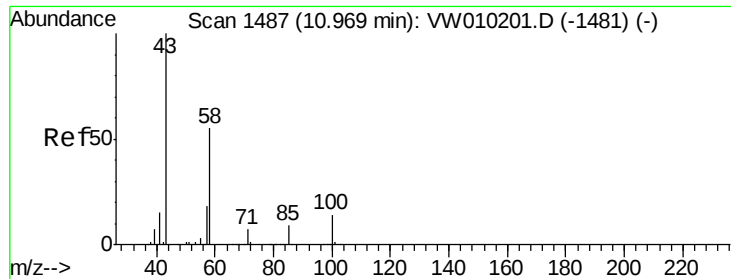
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 59.992 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 261026

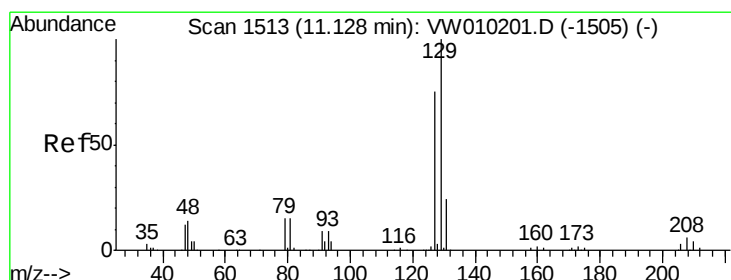
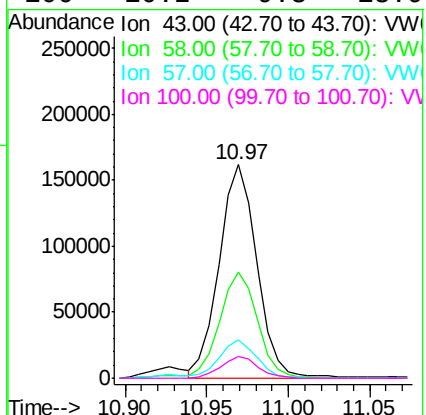
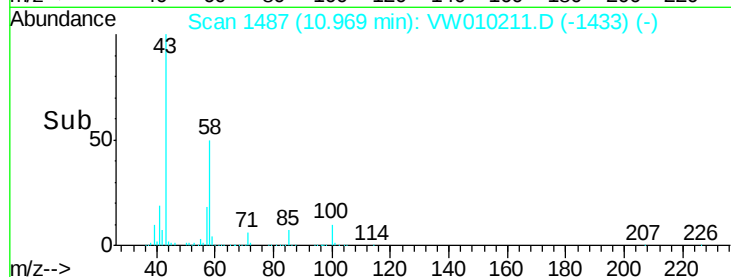
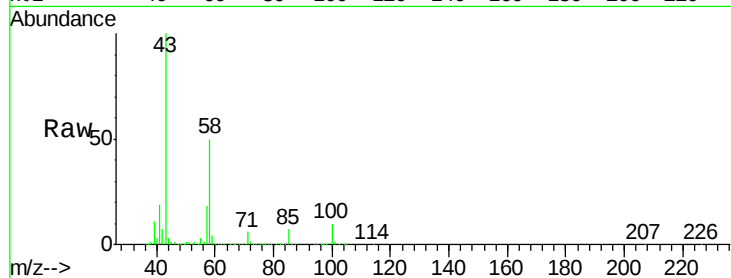
Ion Ratio Lower Upper

43 100

58 49.4 41.4 62.2

57 17.6 14.8 22.2

100 10.2 9.3 13.9



#50

Dibromochloromethane

Concen: 25.334 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010211.D

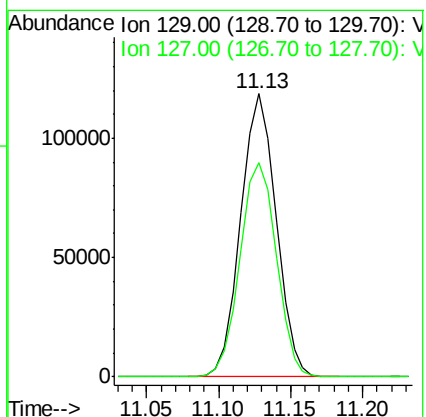
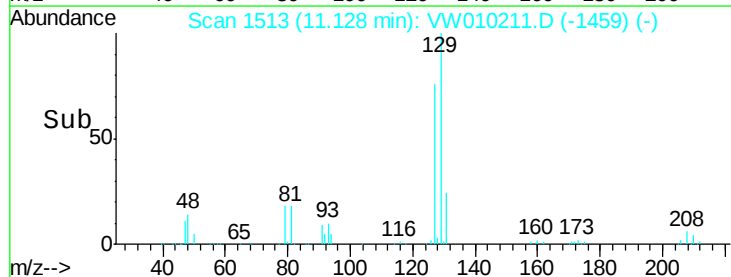
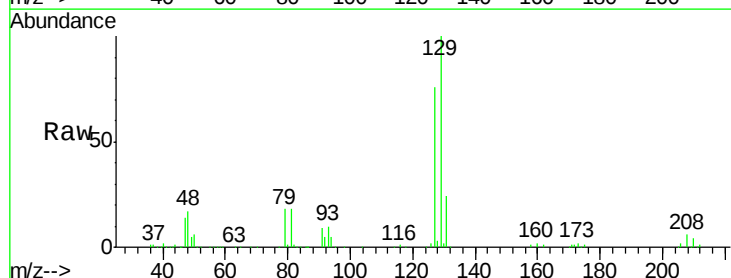
Acq: 30 Apr 2019 09:44

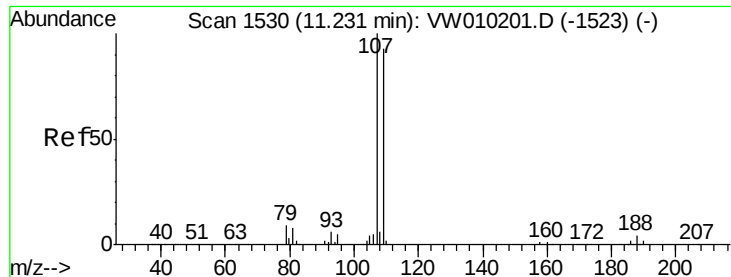
Tgt Ion: 129 Resp: 203051

Ion Ratio Lower Upper

129 100

127 75.8 56.4 104.8

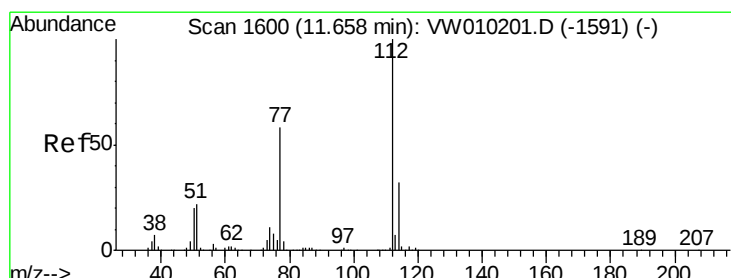
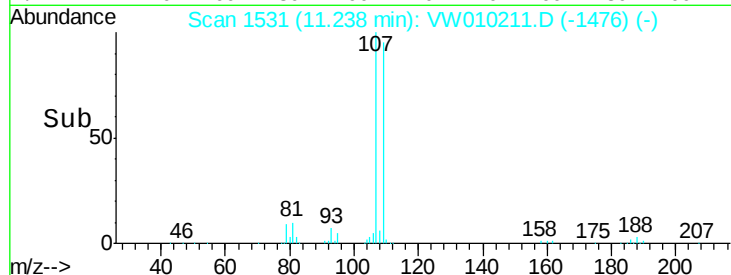
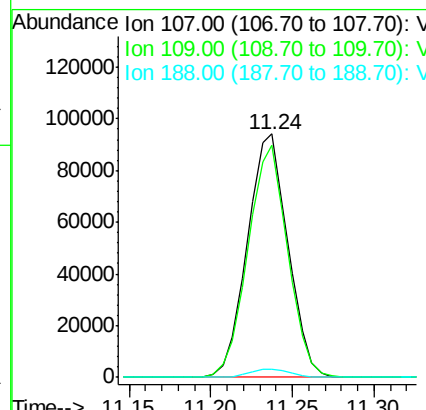
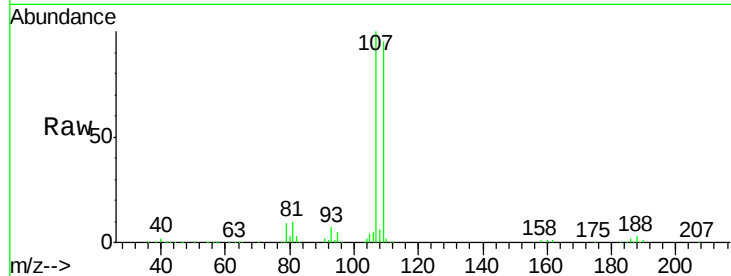




#51
 1,2-Dibromoethane
 Concen: 25.803 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

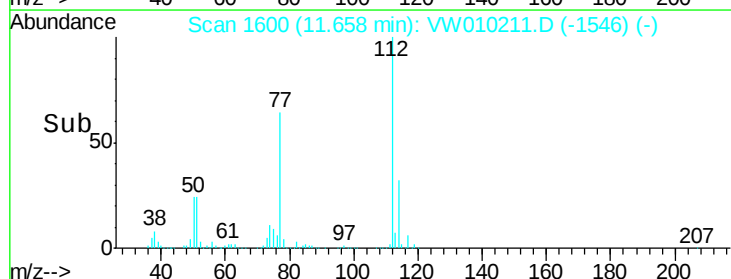
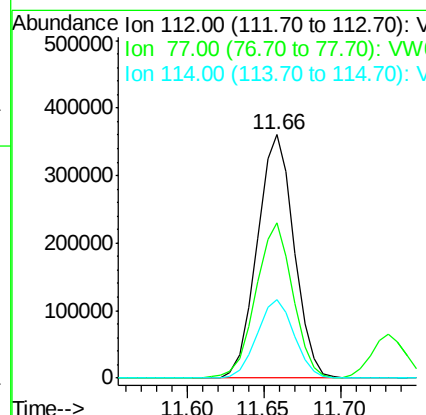
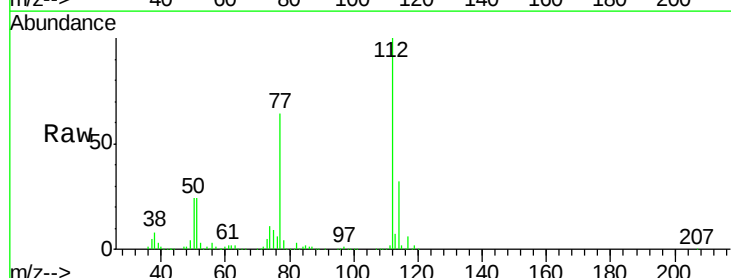
Instrument :
 MSVOA_W
 ClientSampleId :

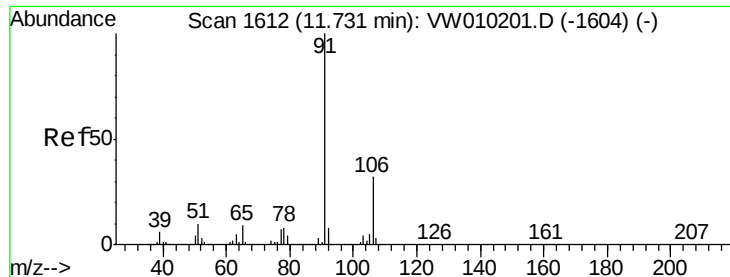
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	68.3	126.9
188	3.3	3.3	4.9#



#52
 Chlorobenzene
 Concen: 25.867 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.0	48.2	72.2
114	32.1	22.2	41.2

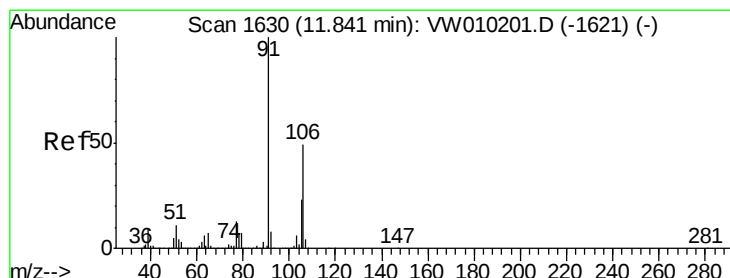
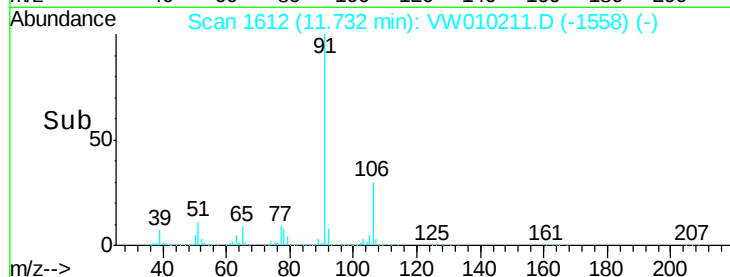
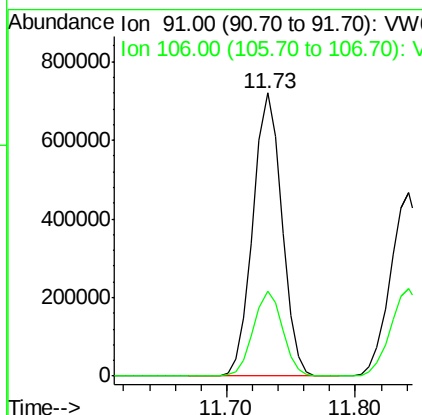
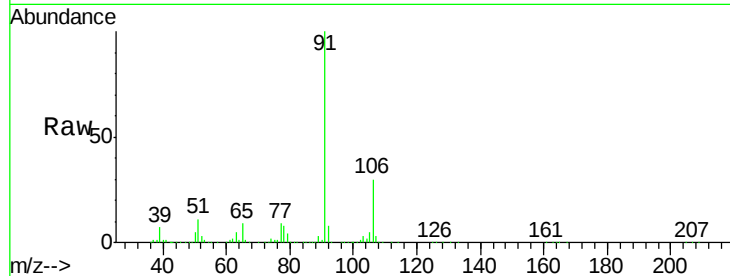




#53
Ethylbenzene
Concen: 27.684 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

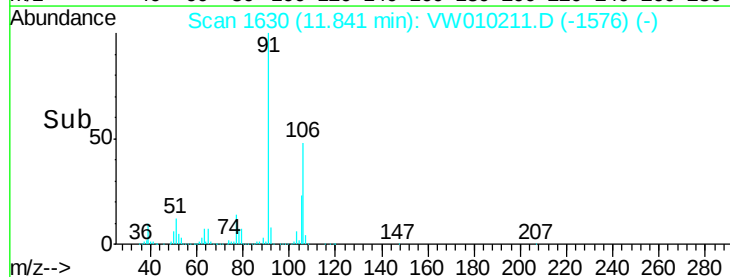
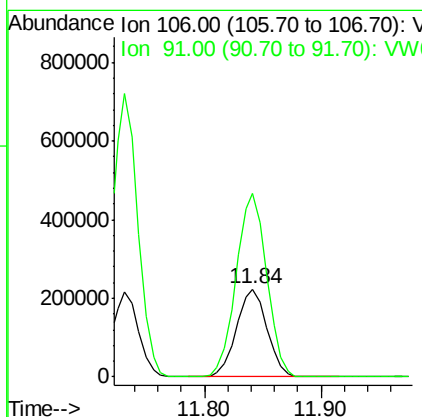
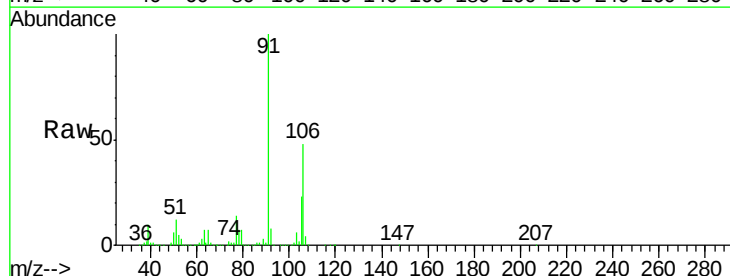
Instrument :
MSVOA_W
ClientSampled :

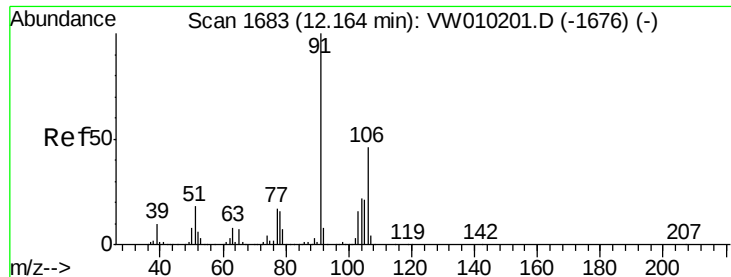
Tot Ion: 91 Resp: 1116363
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.6



#54
m,p-Xylene
Concen: 26.980 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Tgt Ion: 106 Resp: 409460
Ion Ratio Lower Upper
106 100
91 208.2 143.8 267.0





#55

o-xylene

Concen: 26.809 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

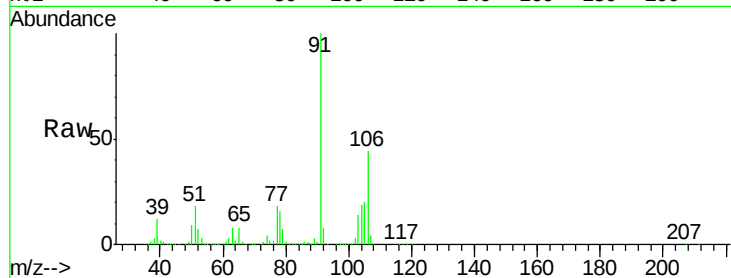
ClientSampled :

Tot Ion:106 Resp: 384608

Ion Ratio Lower Upper

106 100

91 225.5 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

500000

400000

300000

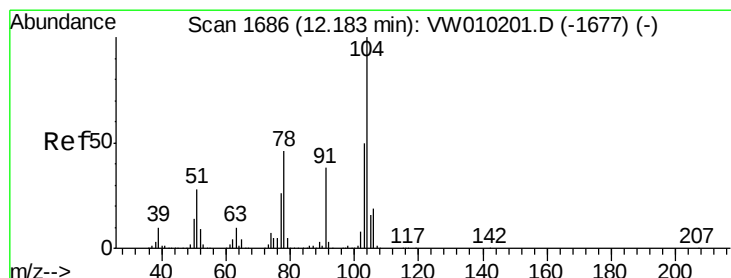
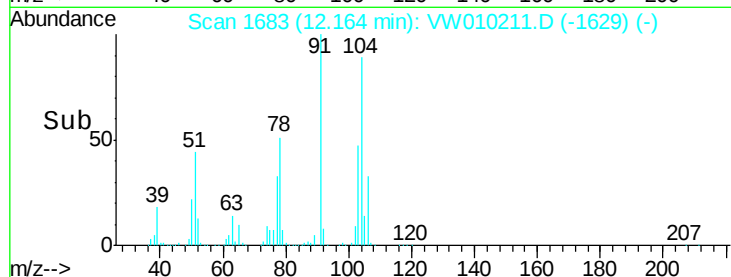
200000

100000

0

12.16

Time-->



#56

Styrene

Concen: 27.355 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010211.D

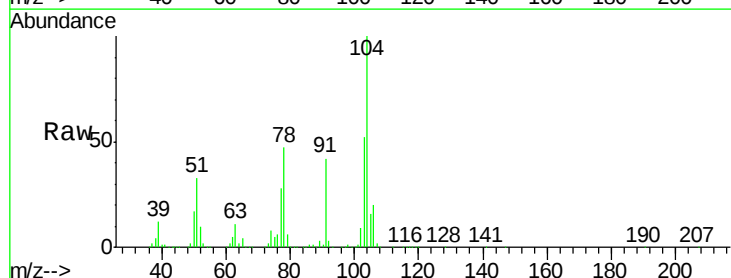
Acq: 30 Apr 2019 09:44

Tgt Ion:104 Resp: 679633

Ion Ratio Lower Upper

104 100

78 47.4 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

500000

400000

300000

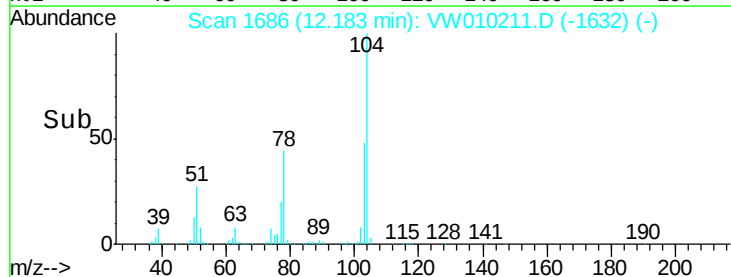
200000

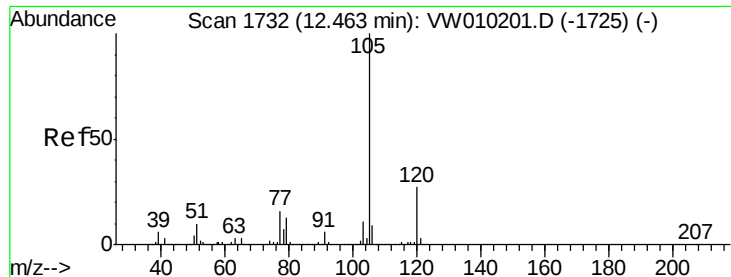
100000

0

12.18

Time-->





#57

Isopropylbenzene

Concen: 27.479 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

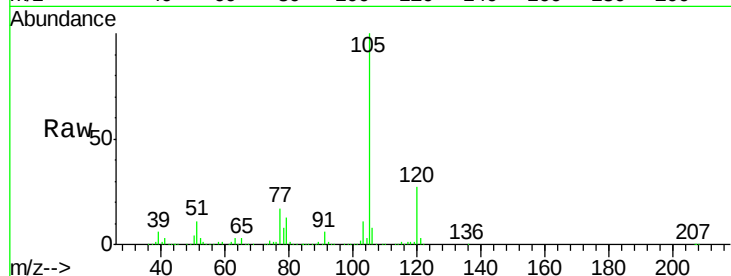
Tot Ion:105 Resp: 1072752

Ion Ratio Lower Upper

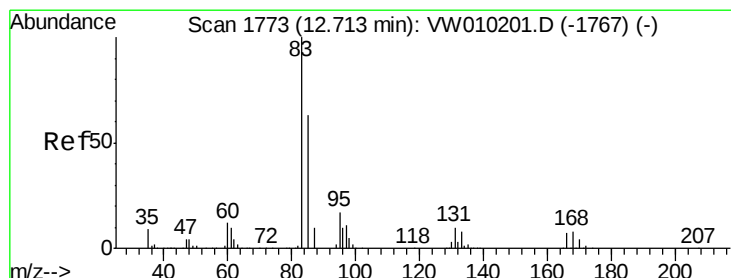
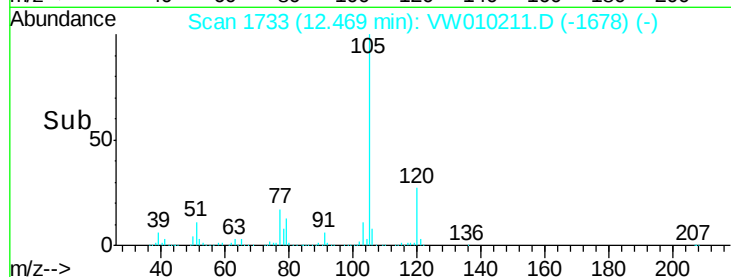
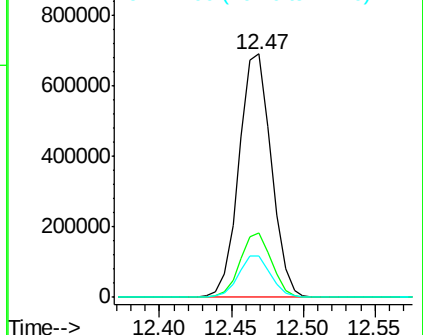
105 100

120 25.9 20.9 31.3

77 17.1 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.031 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

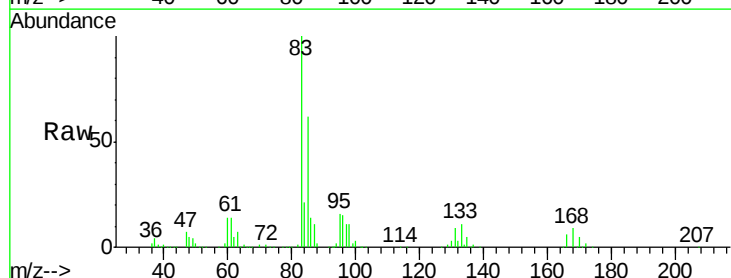
Tgt Ion: 83 Resp: 217283

Ion Ratio Lower Upper

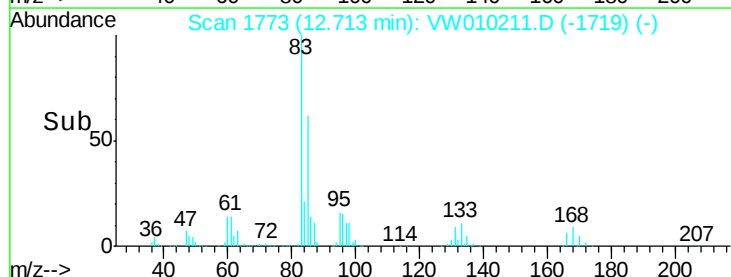
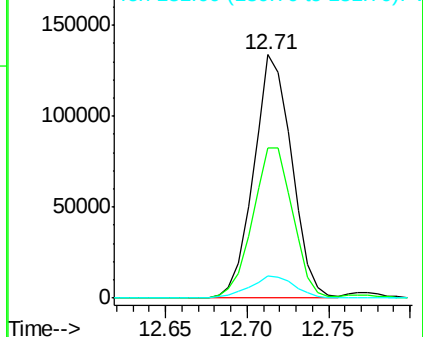
83 100

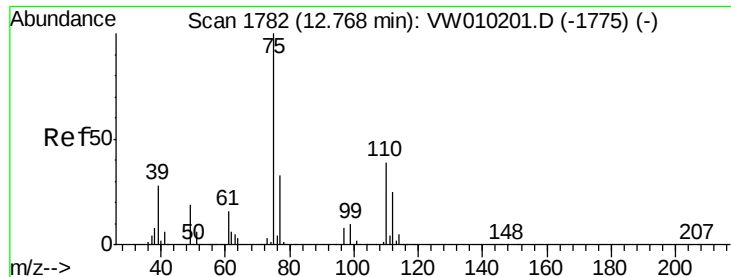
85 61.6 46.5 86.5

131 8.9 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.652 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

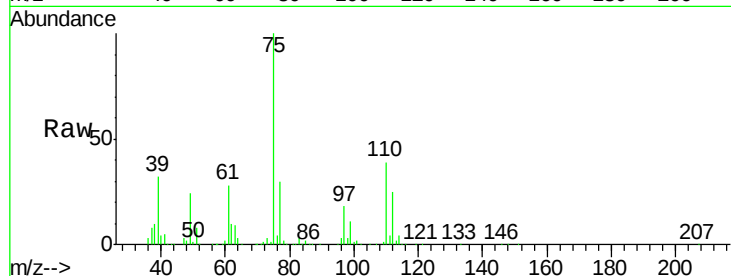
ClientSampleId :

Tot Ion: 75 Resp: 159706

Ion Ratio Lower Upper

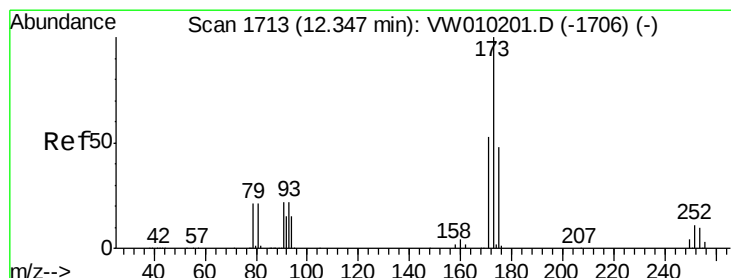
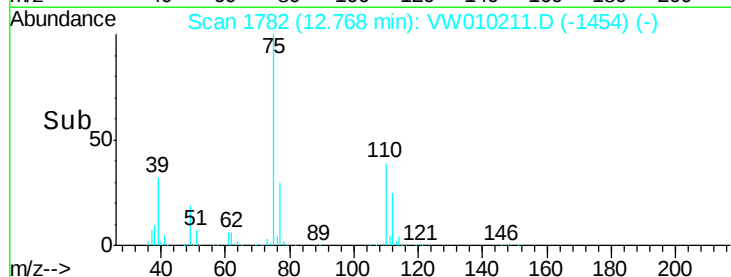
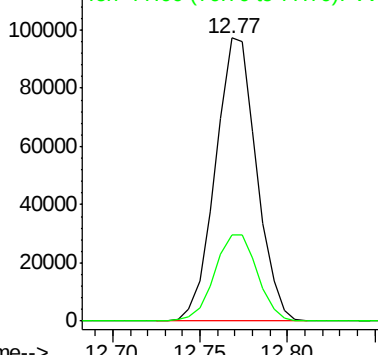
75 100

77 31.9 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 24.259 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

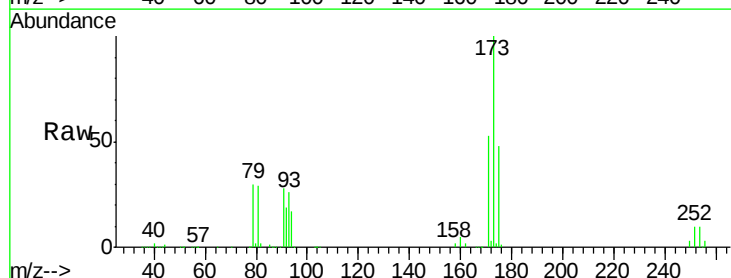
Tgt Ion:173 Resp: 114065

Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

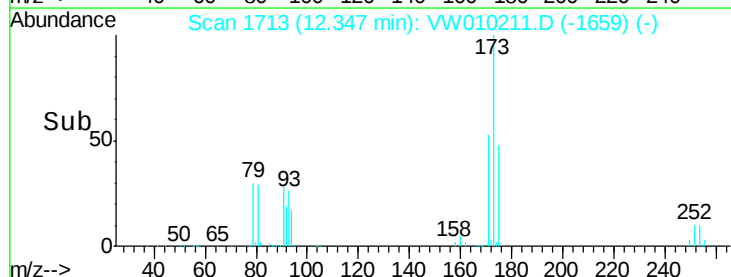
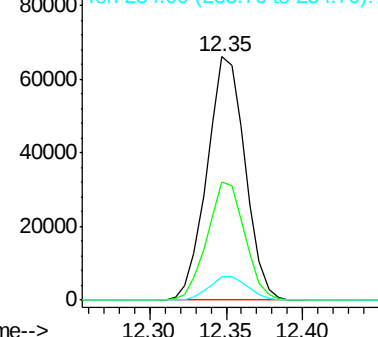
254 9.9 8.0 12.0

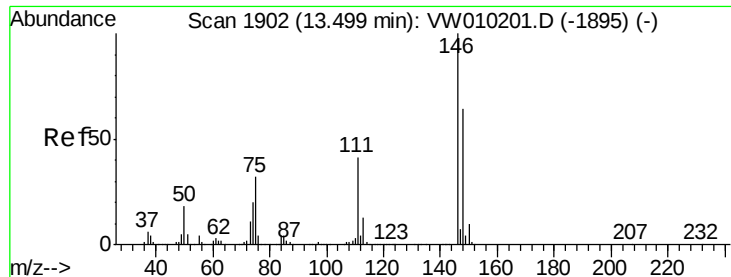


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 25.210 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010211.D

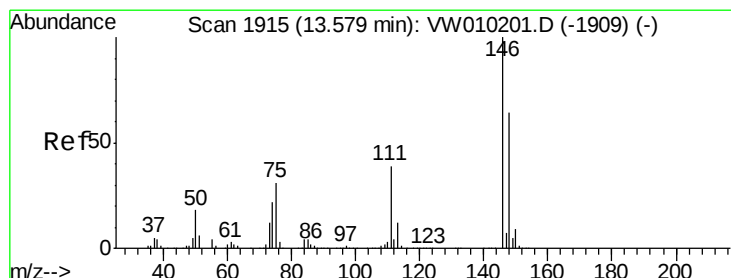
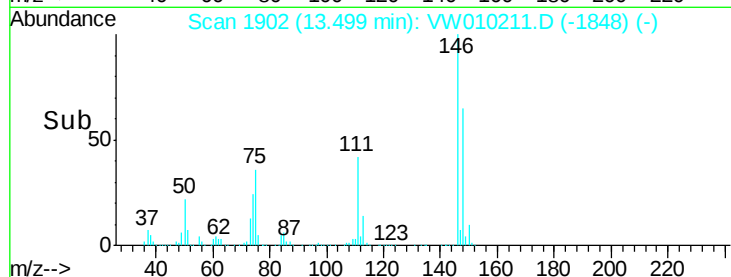
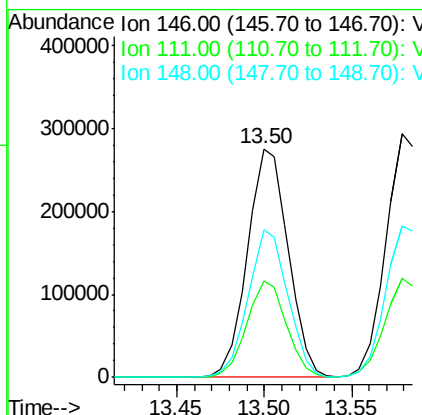
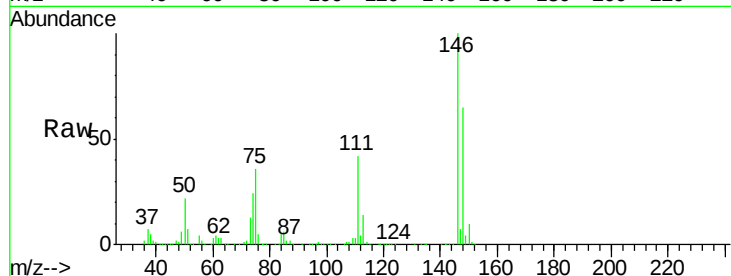
Acq: 30 Apr 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	445531
Ion Ratio	Lower	Upper
146	100	
111	41.9	29.3 54.5
148	64.5	44.3 82.3



#64

1,4-Dichlorobenzene

Concen: 25.224 ug/L

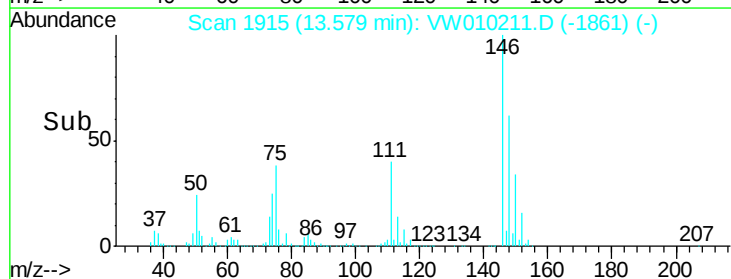
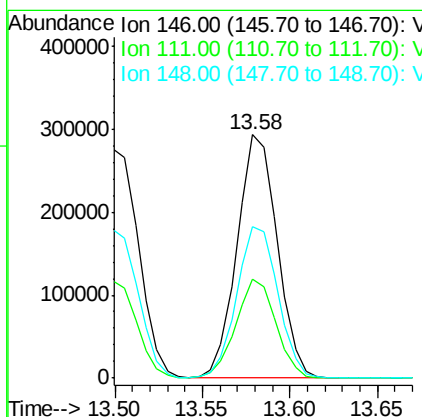
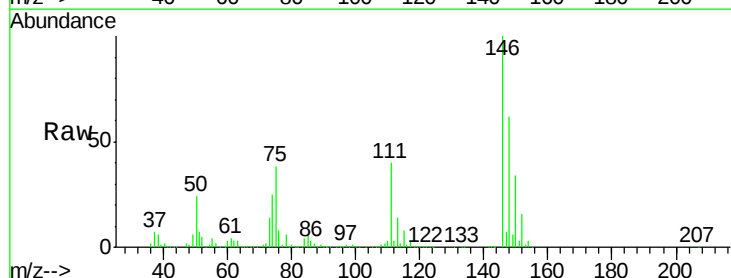
RT: 13.58 min Scan# 1915

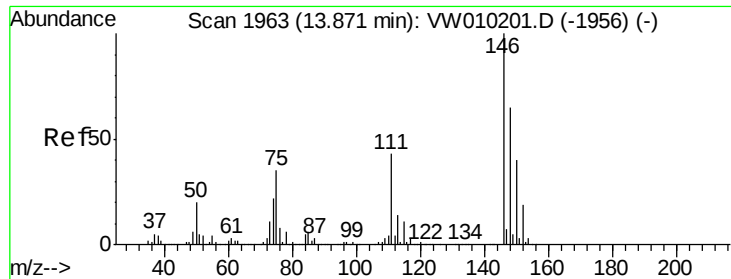
Delta R.T. 0.00 min

Lab File: VW010211.D

Acq: 30 Apr 2019 09:44

Tgt Ion:146	Resp:	468670
Ion Ratio	Lower	Upper
146	100	
111	40.4	26.5 49.1
148	62.4	43.9 81.5

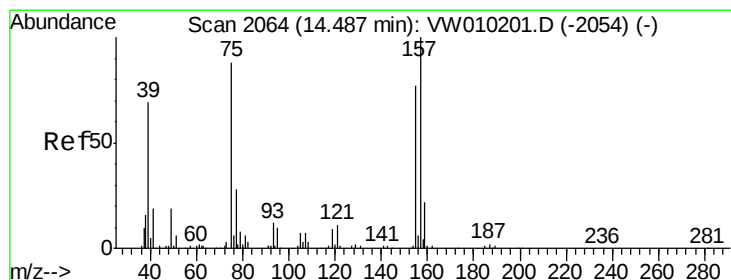
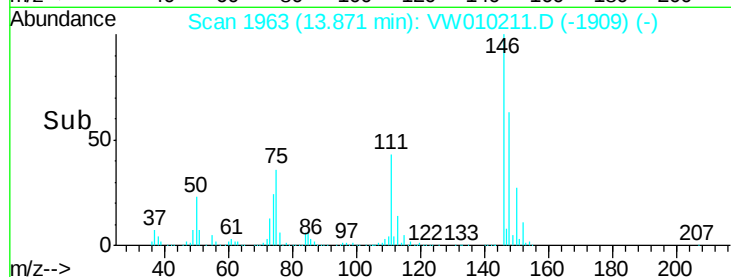
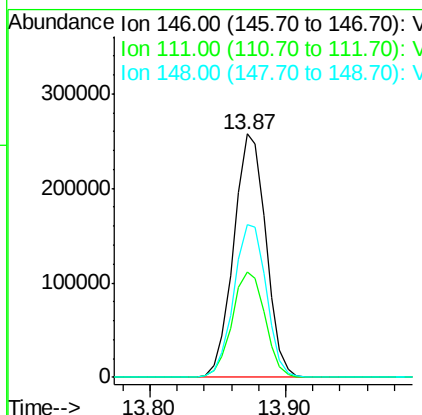
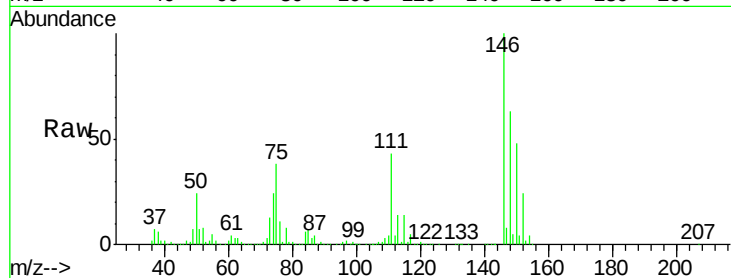




#65
 1,2-Dichlorobenzene
 Concen: 25.496 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

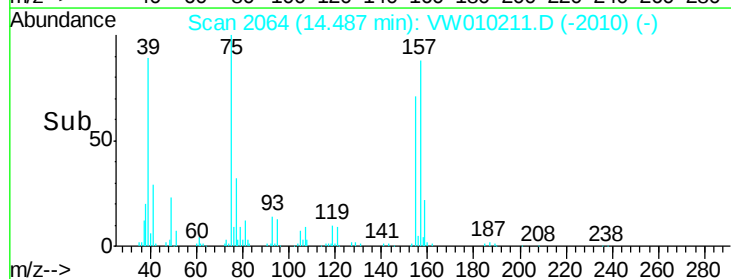
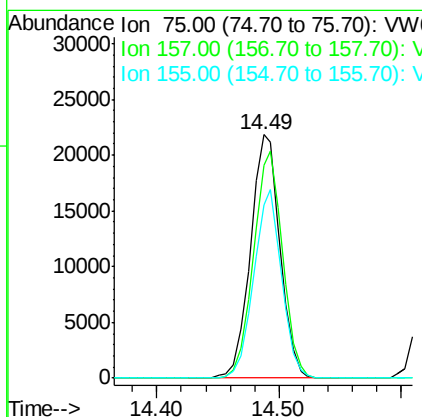
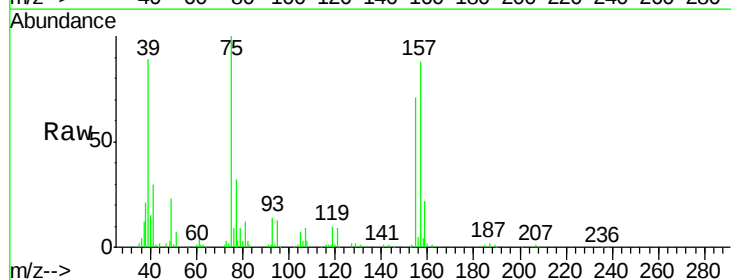
Instrument :
 MSVOA_W
 ClientSampleId :

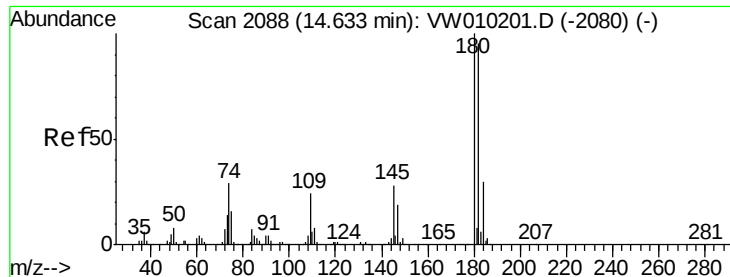
Tot Ion:146 Resp: 424413
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.0 52.4
 148 62.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.412 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion: 75 Resp: 36505
 Ion Ratio Lower Upper
 75 100
 157 87.6 85.7 128.5
 155 71.3 70.8 106.2

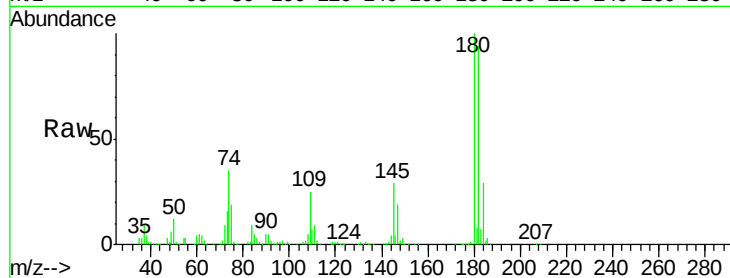




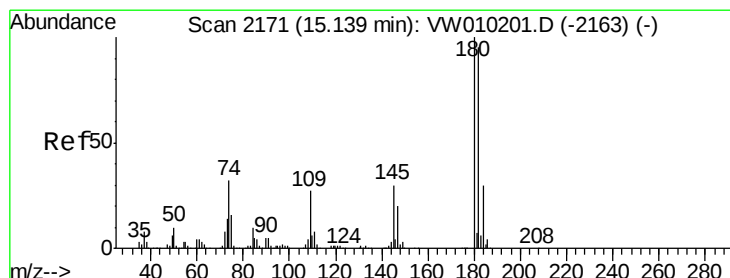
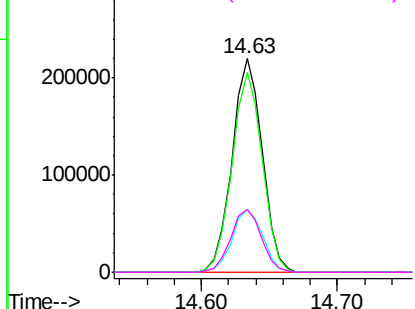
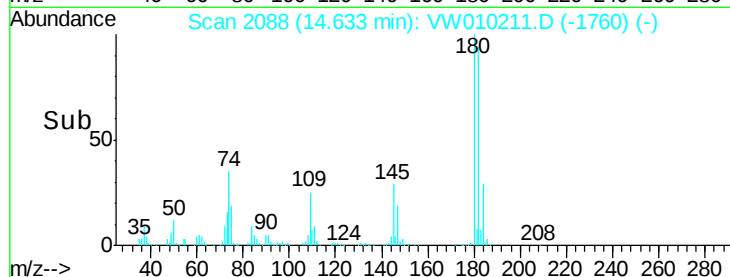
#67
 1,3,5-Trichlorobenzene
 Concen: 24.848 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 337874
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.7 113.5
 184 29.9 23.8 35.6
 145 29.8 23.8 35.8

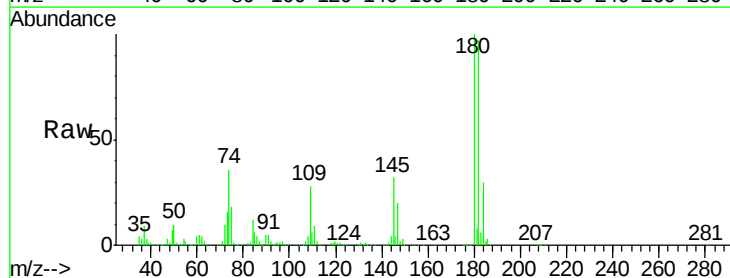


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

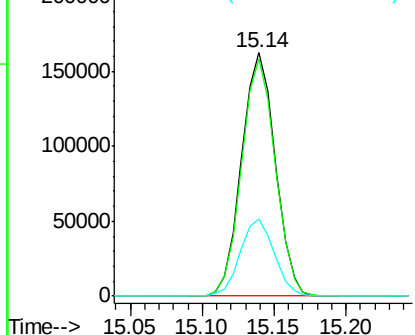
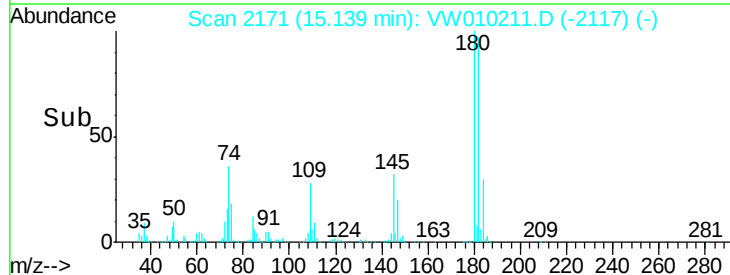


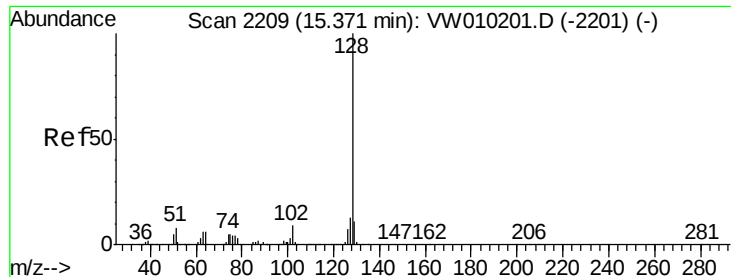
#68
 1,2,4-trichlorobenzene
 Concen: 23.983 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010211.D
 Acq: 30 Apr 2019 09:44

Tgt Ion:180 Resp: 264081
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.2 114.4
 145 31.8 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

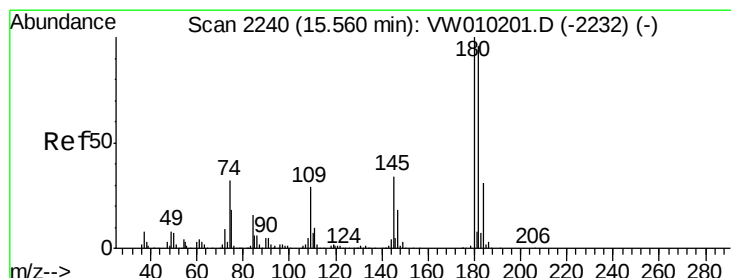
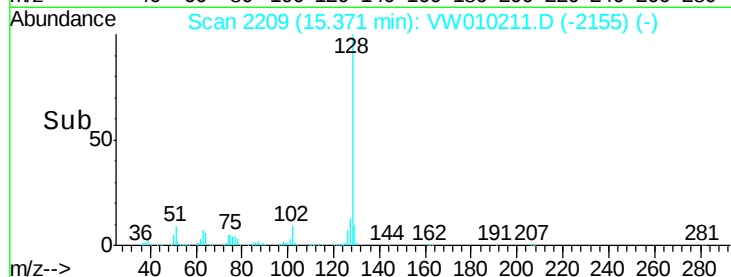
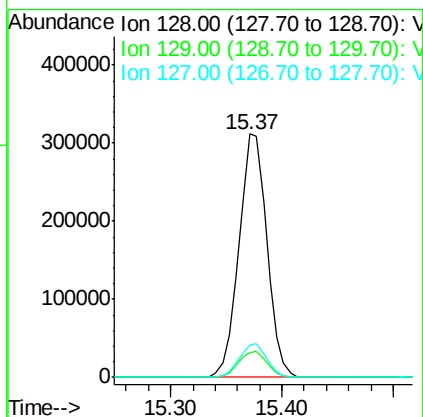
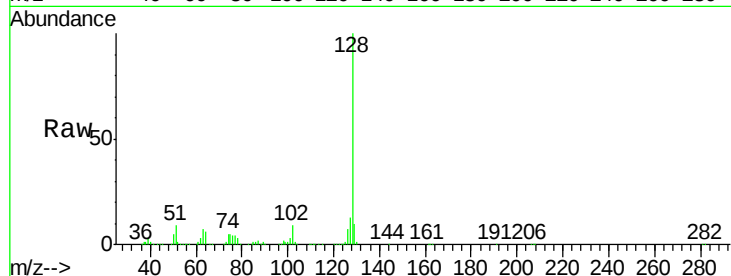




#69
Naphthalene
Concen: 24.107 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 543559
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.6 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 23.995 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010211.D
Acq: 30 Apr 2019 09:44

Tgt Ion:180 Resp: 249687
Ion Ratio Lower Upper
180 100
182 94.5 76.2 114.4
145 33.2 26.0 39.0

