

Data File : VW010912.D
Acq On : 22 Jun 2019 00:17
Operator : SY/VA
Sample : VSTD00507
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00507

Quant Time: Jun 22 05:37:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	355646	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	329265	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160294	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	21114	4.17	ug/L	0.00
7) Chloroethane-d5	2.88	69	16328	4.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	47616	4.46	ug/L	0.00
20) 2-Butanone-d5	7.08	46	21696	10.09	ug/L	0.00
24) Chloroform-d	7.65	84	46772	6.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30547	5.04	ug/L	0.00
29) Benzene-d6	8.27	84	95734	4.86	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	32838	5.16	ug/L	0.00
37) Toluene-d8	10.32	98	85154	4.81	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	12123	4.29	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	14531	9.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26643	4.91	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	30728	5.03	ug/L	0.00

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	24344	3.957	ug/L	95
5) Vinyl chloride	2.36	62	25682	4.401	ug/L	99
6) Bromomethane	2.76	94	14983	5.526	ug/L	97
8) Chloroethane	2.92	64	14504	4.293	ug/L	97
9) Trichlorofluoromethane	3.25	101	6620	1.016	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	21952	4.805	ug/L	98
12) 1,1-Dichloroethene	4.04	96	21157	4.961	ug/L	88
13) Acetone	4.12	43	18592	8.779	ug/L	99
14) Carbon disulfide	4.39	76	54985	4.373	ug/L	99
15) Methyl Acetate	4.67	43	17164	4.690	ug/L	100
16) Methylene chloride	4.92	84	28461	5.636	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	37046	2.928	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	23209	4.930	ug/L	96
19) 1,1-Dichloroethane	6.21	63	47337	4.852	ug/L	98
21) 2-Butanone	7.17	43	27474	9.124	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	25578	4.807	ug/L	96
23) Bromochloromethane	7.51	128	11245	5.075	ug/L	99
25) Chloroform	7.67	83	45784	4.209	ug/L	98
27) 1,2-Dichloroethane	8.40	62	36046	4.969	ug/L	97
30) Cyclohexane	7.95	56	45383	4.571	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	30281	3.971	ug/L	99
32) Carbon tetrachloride	8.07	117	27000	4.168	ug/L	98
34) Benzene	8.32	78	101207	4.921	ug/L	100
35) Trichloroethene	9.09	95	24895	4.742	ug/L	99
36) Methylcyclohexane	9.34	83	43036	4.619	ug/L	99
40) 1,2-Dichloropropane	9.37	63	28336	4.949	ug/L	99
41) Bromodichloromethane	9.64	83	30852	4.601	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	38473	4.398	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	49134	8.850	ug/L	99
44) Toluene	10.39	91	104212	4.837	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
Response via : Initial Calibration

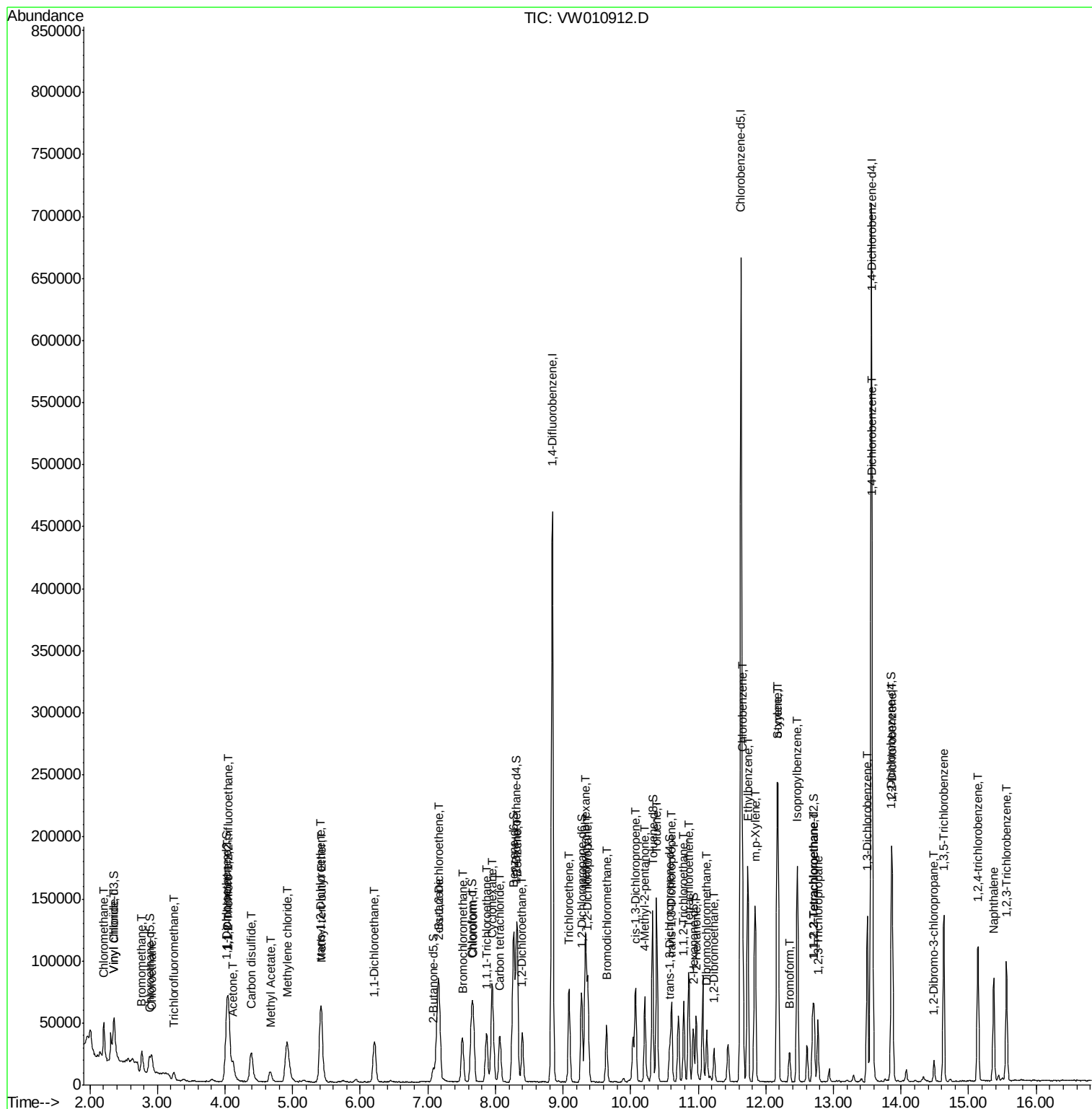
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	30920	4.211	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	19630	4.818	ug/L	97
47) Tetrachloroethene	10.86	164	18644	4.760	ug/L	96
49) 2-Hexanone	10.97	43	35565	8.817	ug/L	98
50) Dibromochloromethane	11.13	129	19003	4.235	ug/L	95
51) 1,2-Dibromoethane	11.23	107	18313	4.649	ug/L	98
52) Chlorobenzene	11.66	112	64518	4.836	ug/L	99
53) Ethylbenzene	11.73	91	116394	4.750	ug/L	100
54) m,p-Xylene	11.84	106	42102	4.748	ug/L	91
55) o-xylene	12.16	106	40919	4.760	ug/L	97
56) Styrene	12.18	104	70013	4.680	ug/L	100
57) Isopropylbenzene	12.46	105	107712	4.610	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	24821	4.548	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	20188	4.684	ug/L	100
62) Bromoform	12.35	173	10309	3.846	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	49231	4.773	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	50447	4.809	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	47160	4.854	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4008	3.907	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	37606	4.798	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	32684	4.992	ug/L	99
69) Naphthalene	15.37	128	66757	4.749	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	30372	5.123	ug/L	99

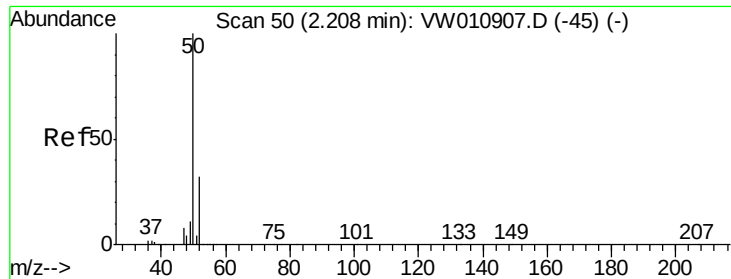
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.957 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

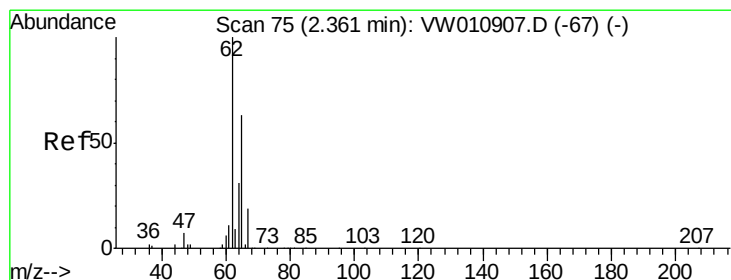
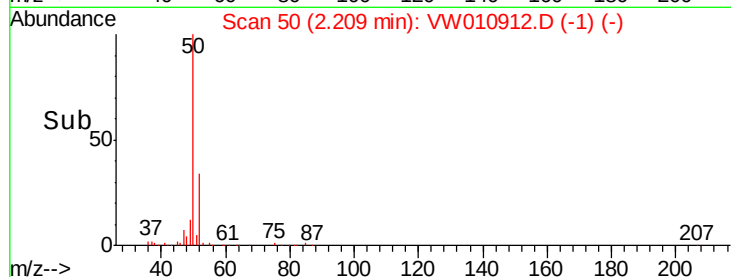
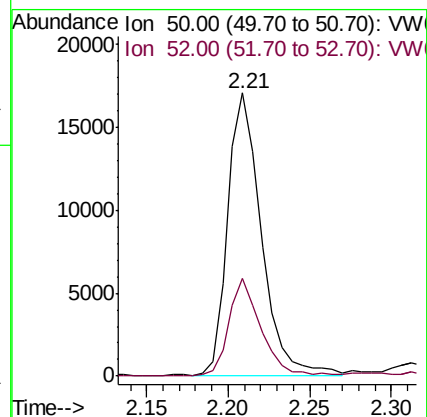
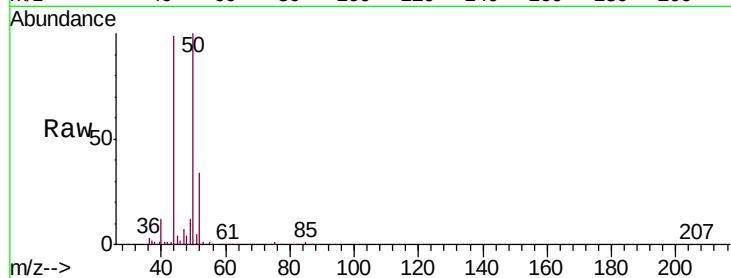
VSTD00507

Tgt Ion: 50 Resp: 24344

Ion Ratio Lower Upper

50 100

52 34.5 22.2 41.2



#5

Vinyl chloride

Concen: 4.401 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010912.D

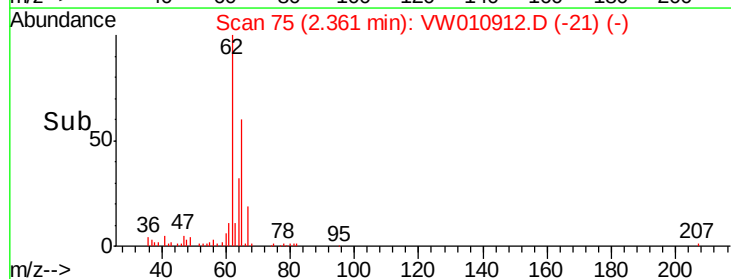
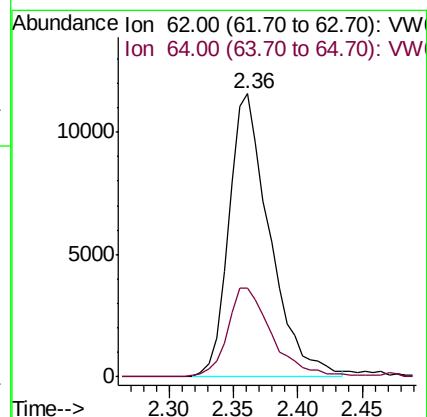
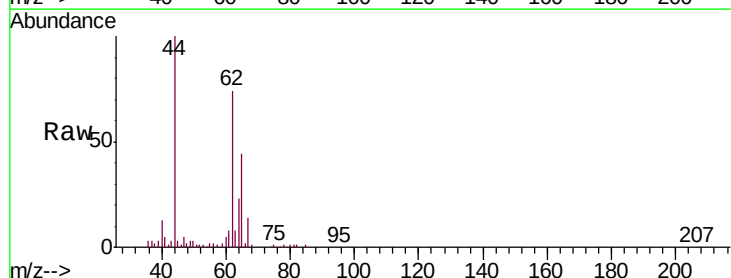
Acq: 22 Jun 2019 00:17

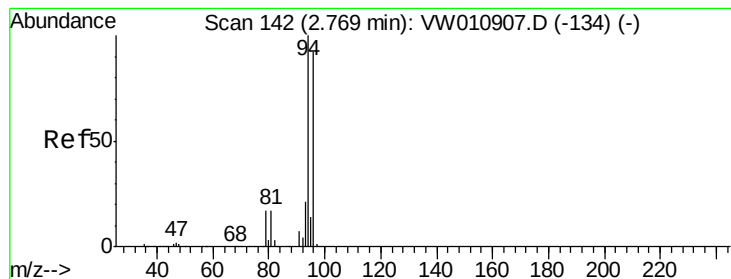
Tgt Ion: 62 Resp: 25682

Ion Ratio Lower Upper

62 100

64 31.6 21.8 40.6





#6

Bromomethane

Concen: 5.526 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

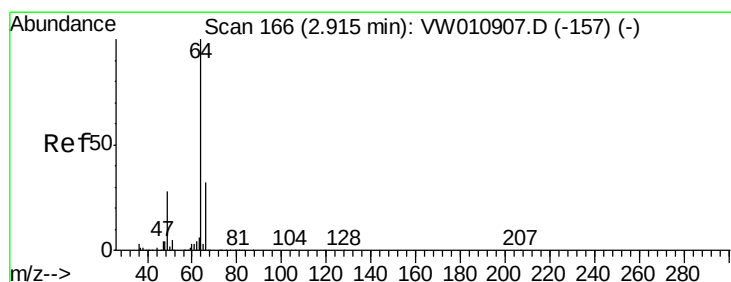
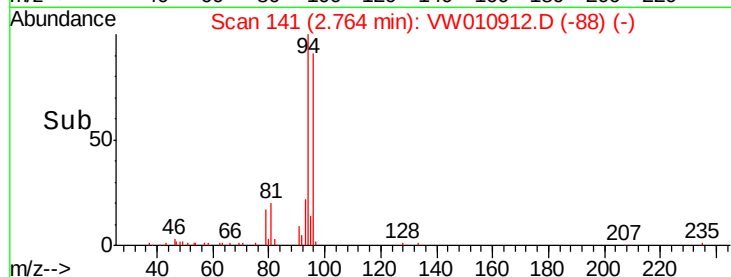
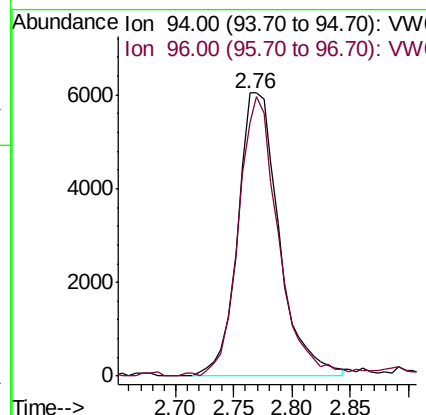
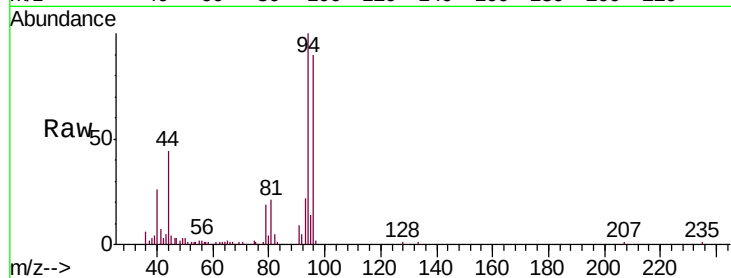
VSTD00507

Tgt Ion: 94 Resp: 14983

Ion Ratio Lower Upper

94 100

96 95.0 9.2 175.6



#8

Chloroethane

Concen: 4.293 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010912.D

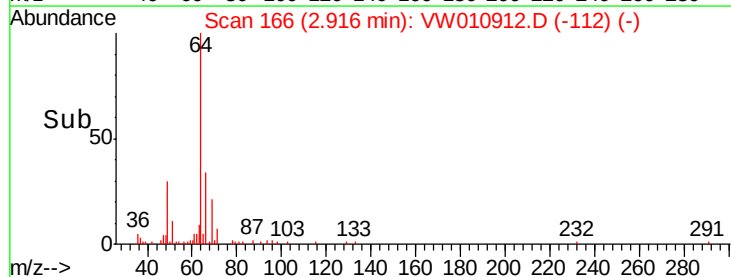
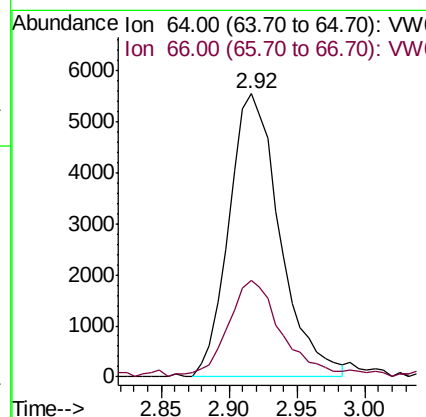
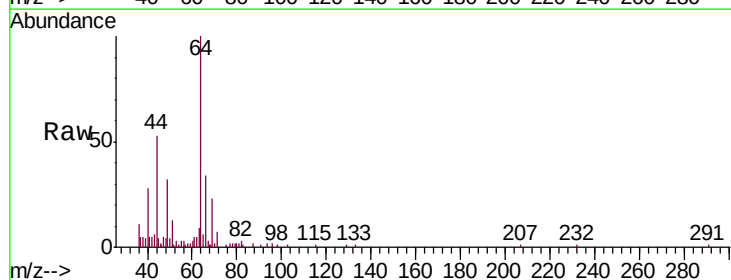
Acq: 22 Jun 2019 00:17

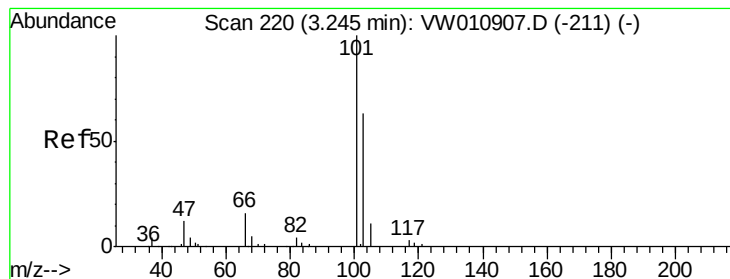
Tgt Ion: 64 Resp: 14504

Ion Ratio Lower Upper

64 100

66 34.1 22.6 42.0



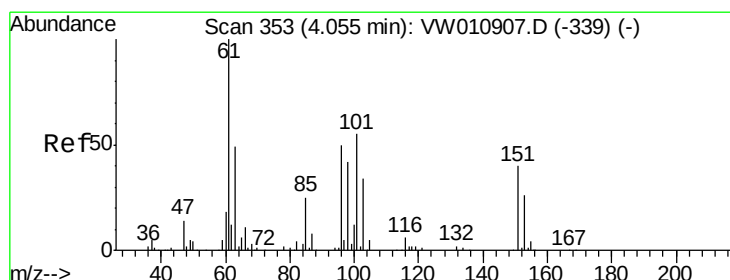
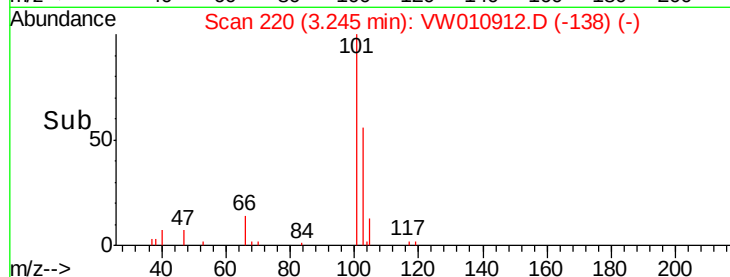
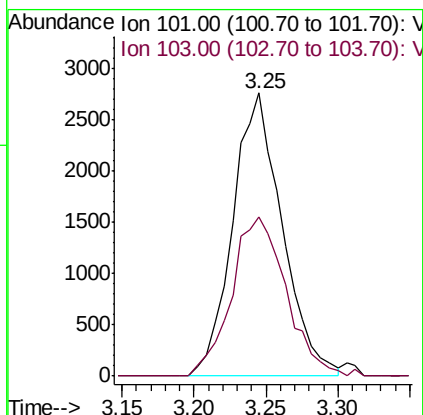
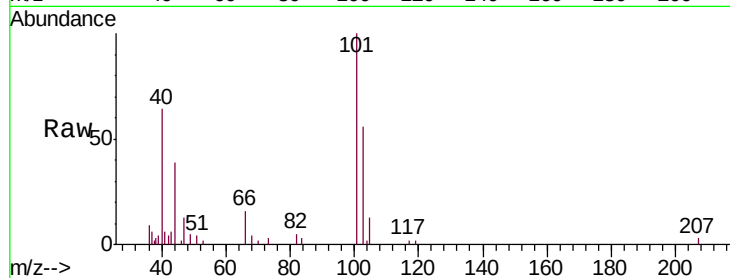


#9

Trichlorofluoromethane
 Concen: 1.016 ug/L
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

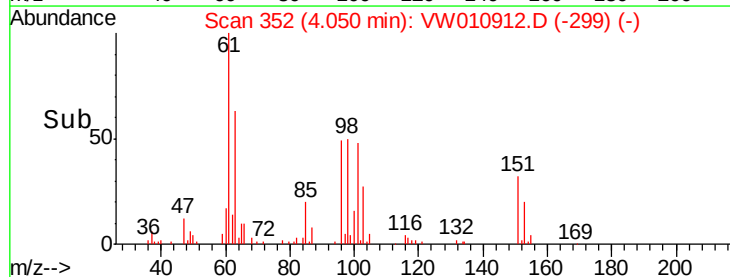
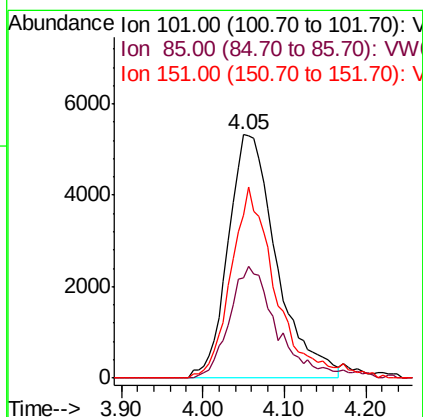
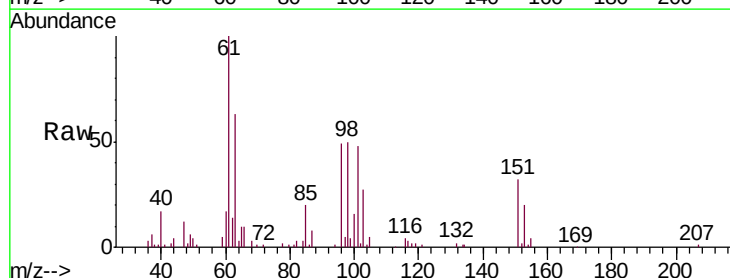
Tgt Ion:101 Resp: 6620
 Ion Ratio Lower Upper
 101 100
 103 61.7 46.1 85.5

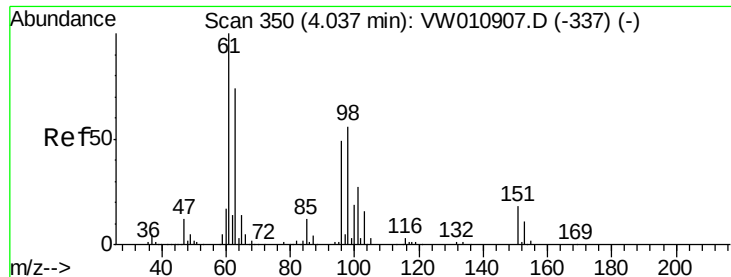


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.805 ug/L
 RT: 4.05 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion:101 Resp: 21952
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.5 54.7
 151 71.2 58.6 88.0





#12

1,1-Dichloroethene

Concen: 4.961 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

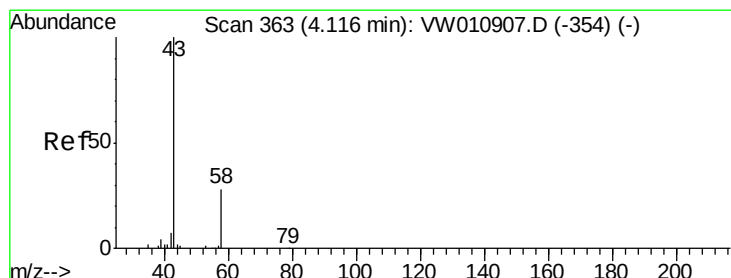
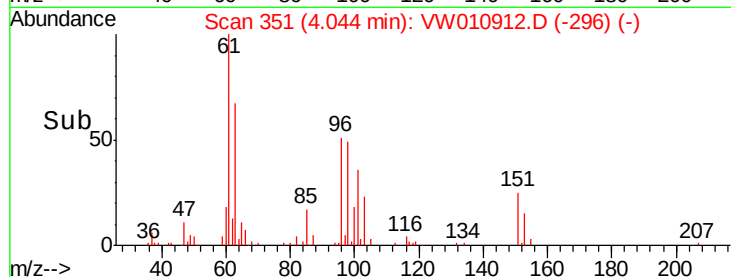
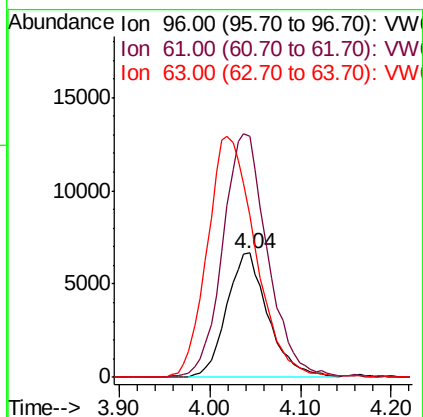
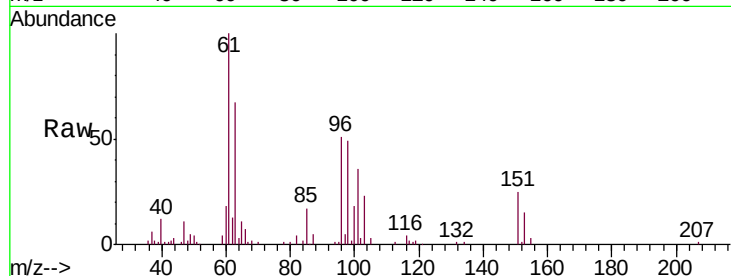
Tgt Ion: 96 Resp: 21157

Ion Ratio Lower Upper

96 100

61 194.9 144.3 267.9

63 130.6 108.4 201.2



#13

Acetone

Concen: 8.779 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010912.D

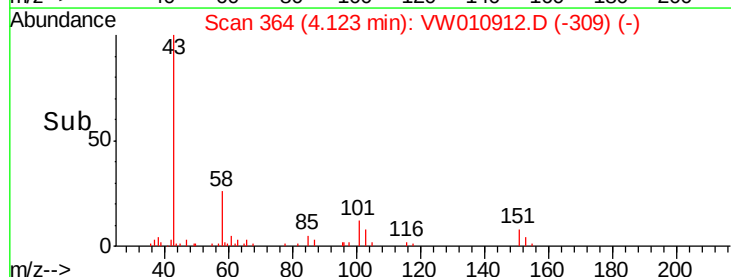
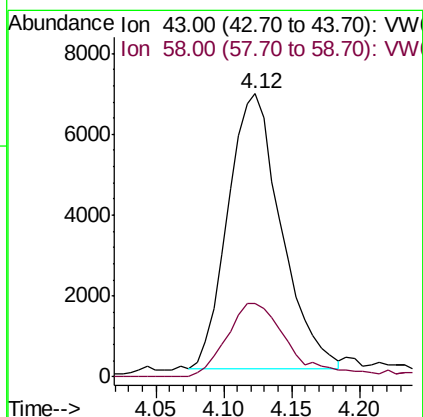
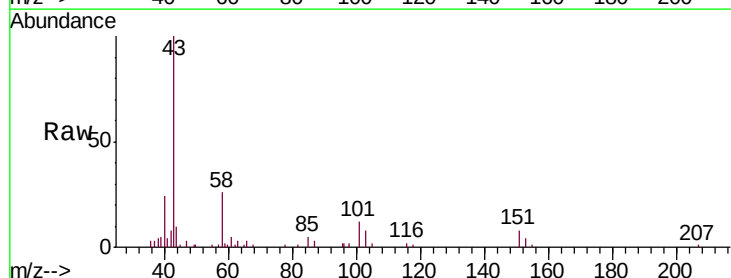
Acq: 22 Jun 2019 00:17

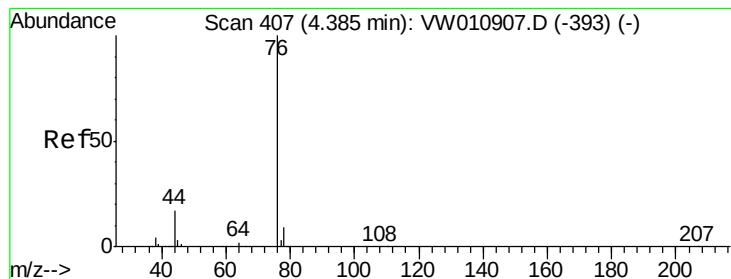
Tgt Ion: 43 Resp: 18592

Ion Ratio Lower Upper

43 100

58 27.6 0.0 54.0





#14

Carbon disulfide

Concen: 4.373 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

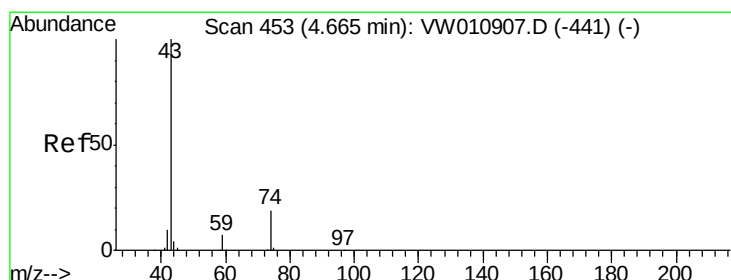
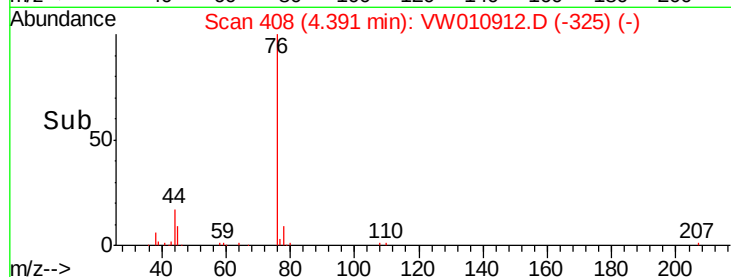
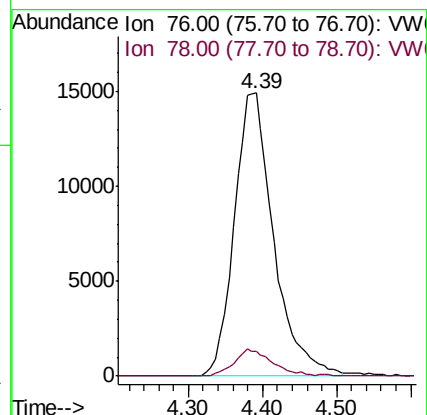
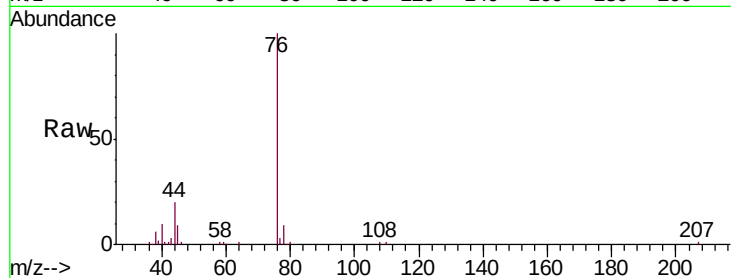
VSTD00507

Tgt Ion: 76 Resp: 54985

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



#15

Methyl Acetate

Concen: 4.690 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010912.D

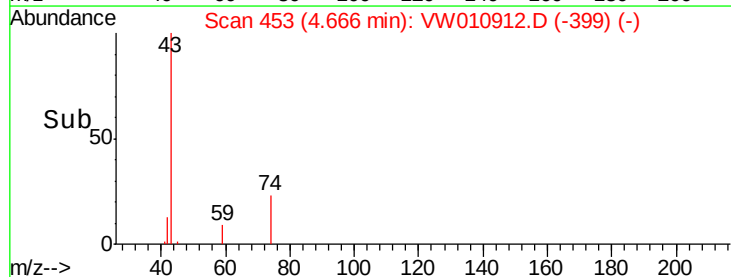
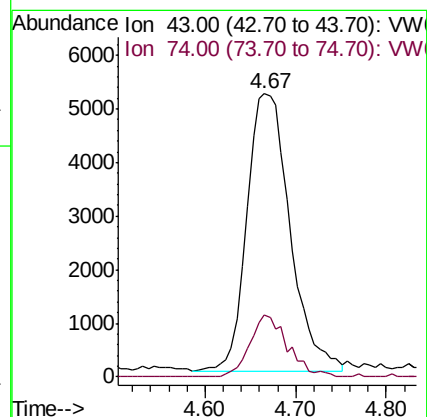
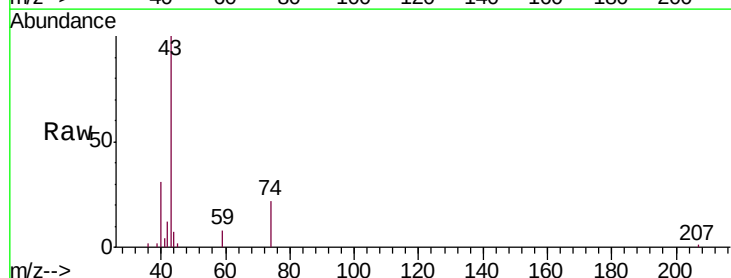
Acq: 22 Jun 2019 00:17

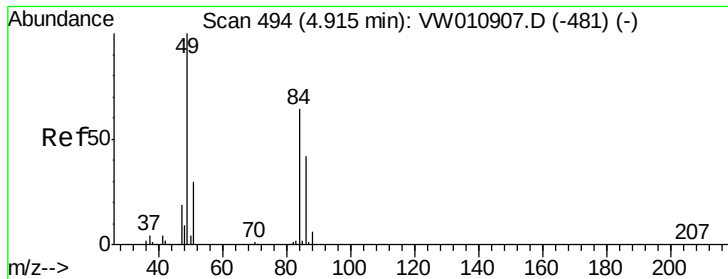
Tgt Ion: 43 Resp: 17164

Ion Ratio Lower Upper

43 100

74 19.0 15.3 22.9

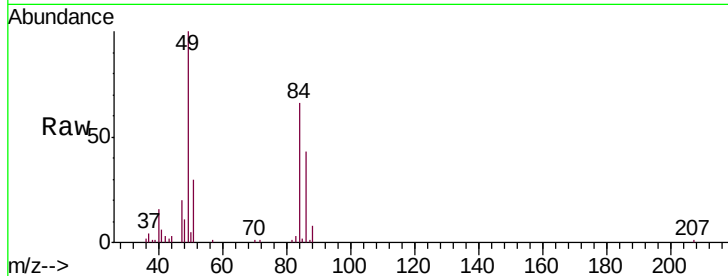




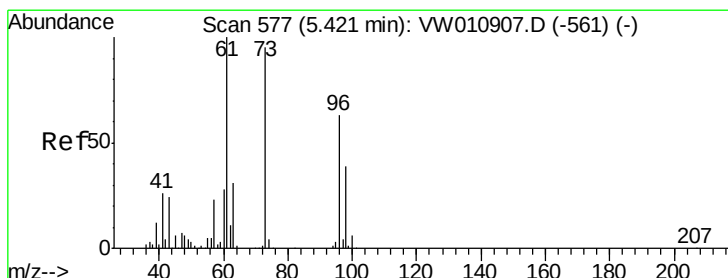
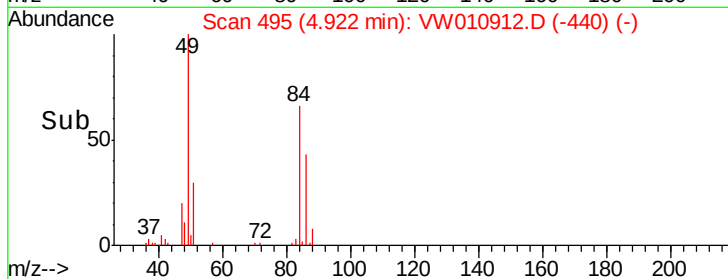
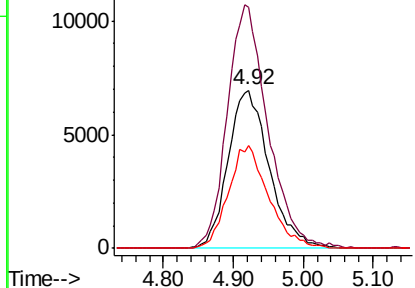
#16
Methylene chloride
Concen: 5.636 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

Instrument :
MSVOA_W
ClientSampled :
VSTD00507

Tgt Ion: 84 Resp: 28461
Ion Ratio Lower Upper
84 100
49 152.6 109.8 203.8
86 64.9 46.5 86.5

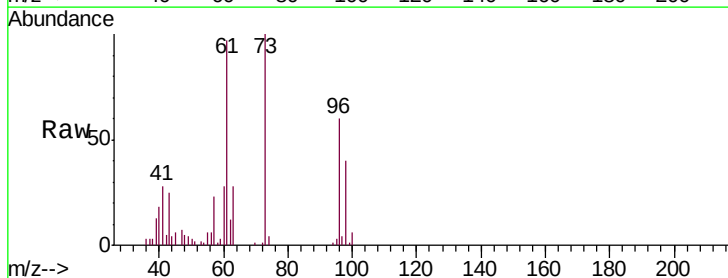


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

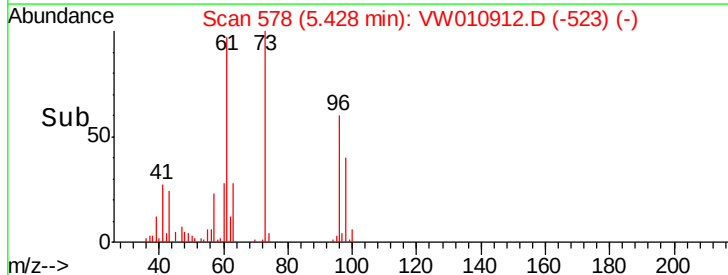
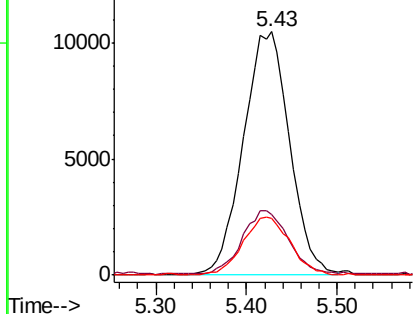


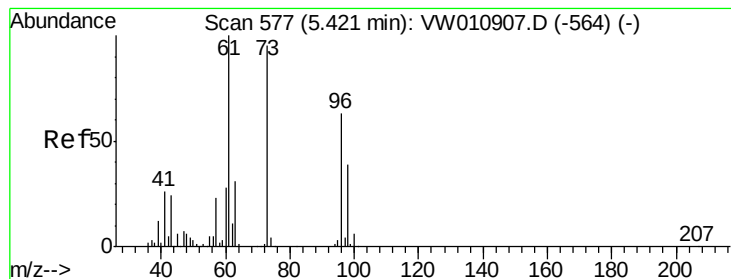
#17
Methyl tert-butyl Ether
Concen: 2.928 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

Tgt Ion: 73 Resp: 37046
Ion Ratio Lower Upper
73 100
43 25.9 20.4 30.6
57 23.9 19.5 29.3



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW





#18

trans-1,2-Dichloroethene

Concen: 4.930 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

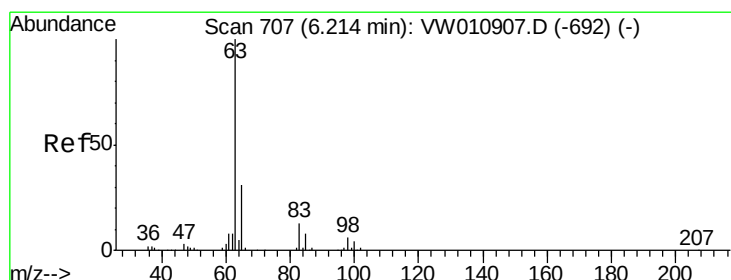
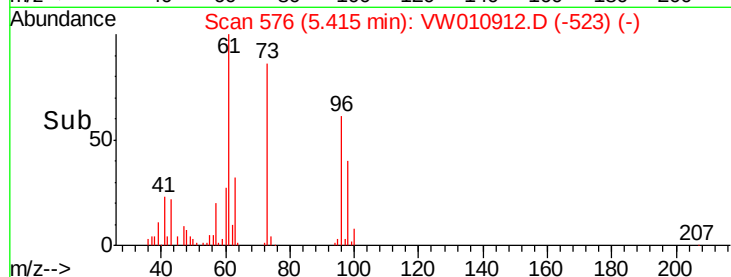
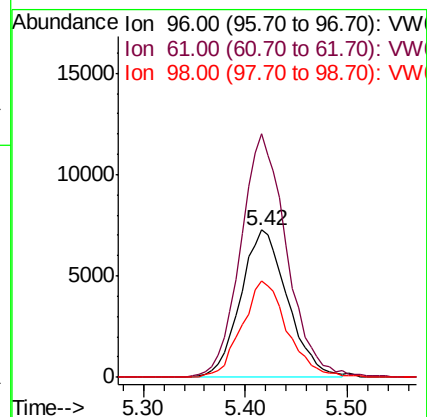
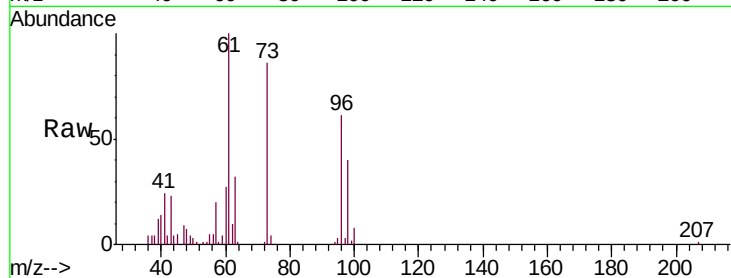
Tgt Ion: 96 Resp: 23209

Ion Ratio Lower Upper

96 100

61 165.0 111.7 207.5

98 65.3 43.5 80.9



#19

1,1-Dichloroethane

Concen: 4.852 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

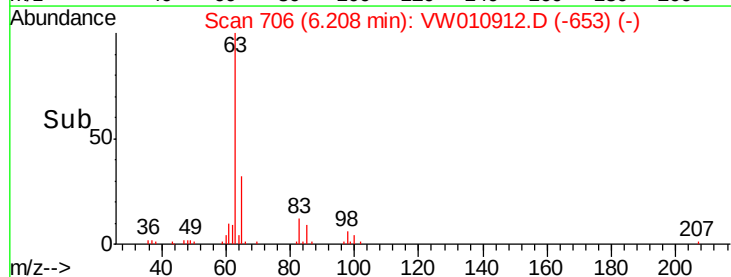
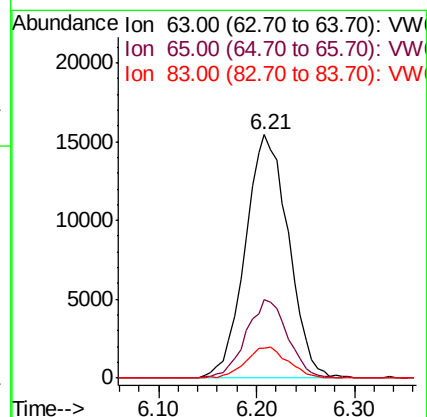
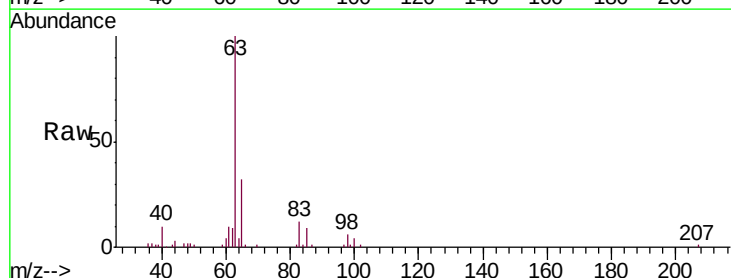
Tgt Ion: 63 Resp: 47337

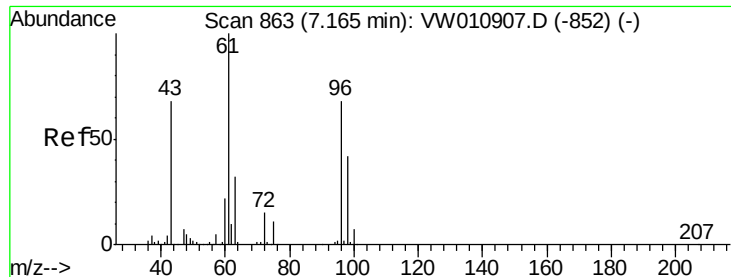
Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.4

83 12.2 8.8 16.4

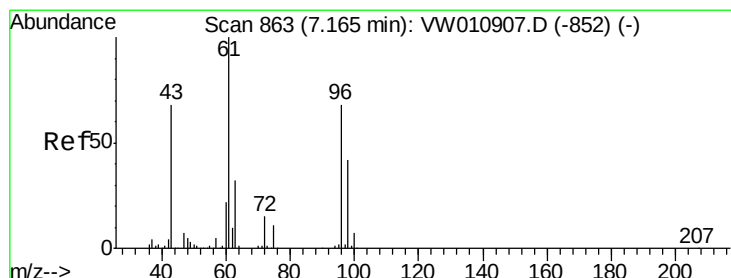
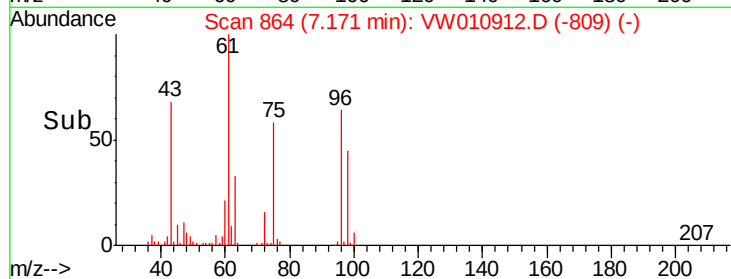
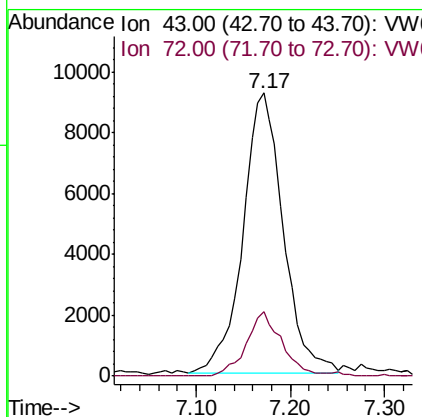
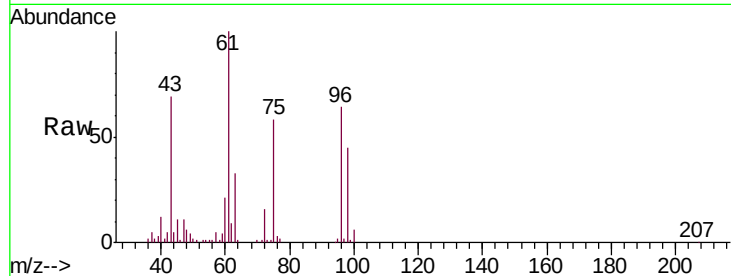




#21
 2-Butanone
 Concen: 9.124 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

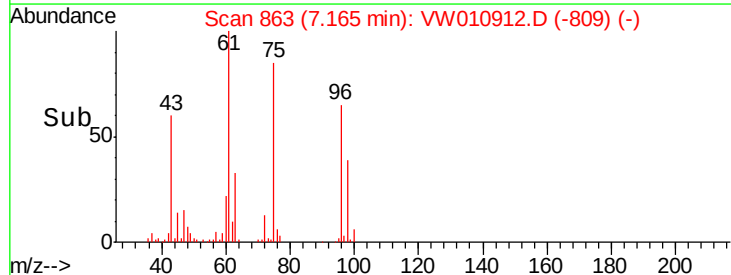
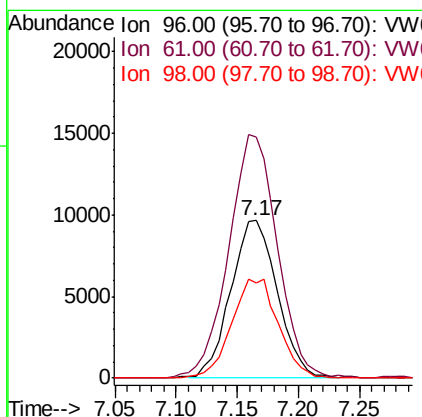
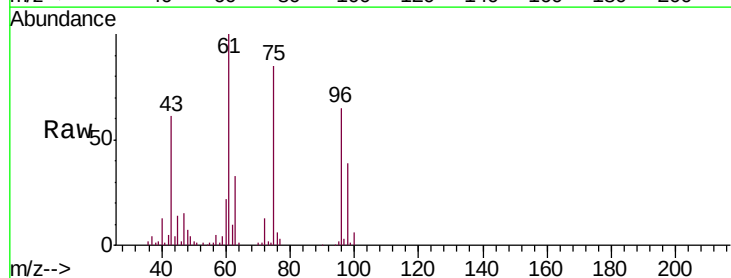
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00507

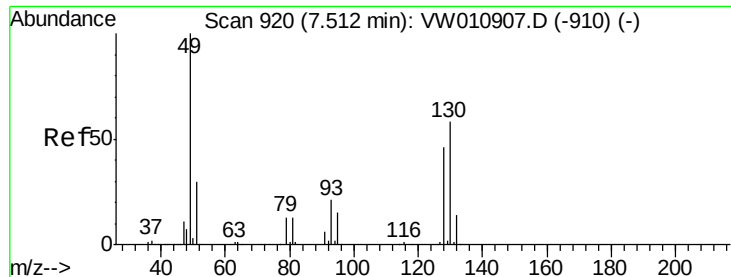
Tgt Ion: 43 Resp: 27474
 Ion Ratio Lower Upper
 43 100
 72 20.3 11.1 33.1



#22
 cis-1,2-Dichloroethene
 Concen: 4.807 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion: 96 Resp: 25578
 Ion Ratio Lower Upper
 96 100
 61 153.0 103.0 191.2
 98 60.3 43.5 80.9





#23

Bromochloromethane

Concen: 5.075 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

Tgt Ion:128 Resp: 11245

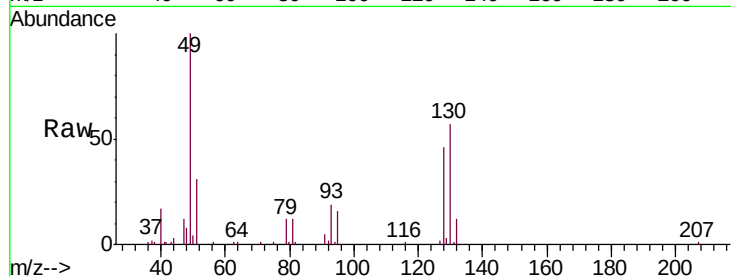
Ion Ratio Lower Upper

128 100

49 216.4 151.2 280.8

130 123.5 87.8 163.0

51 66.4 52.6 78.8

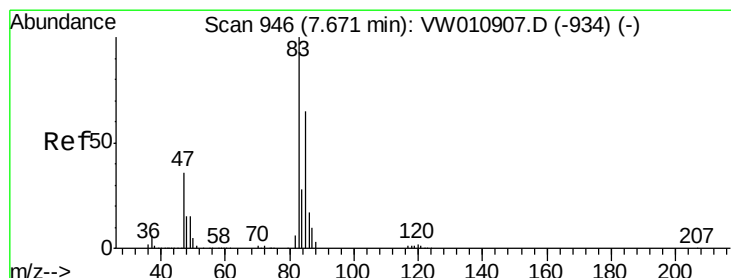
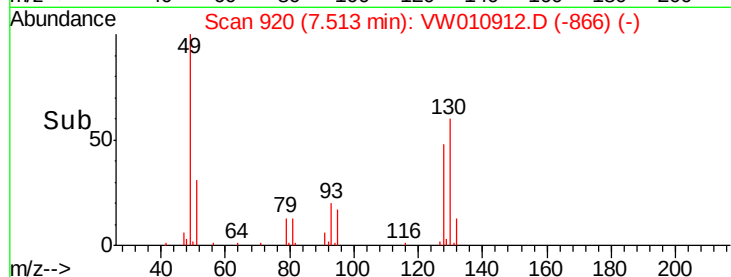
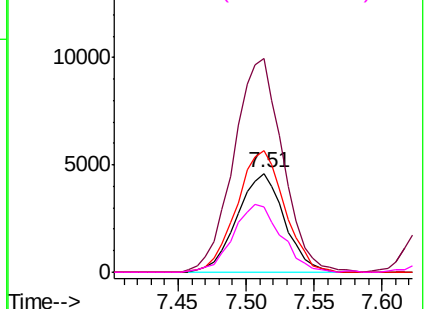


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 4.209 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010912.D

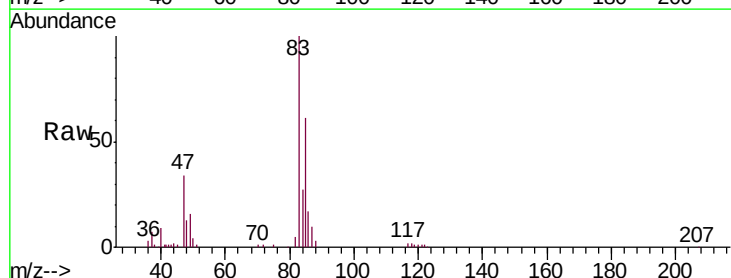
Acq: 22 Jun 2019 00:17

Tgt Ion: 83 Resp: 45784

Ion Ratio Lower Upper

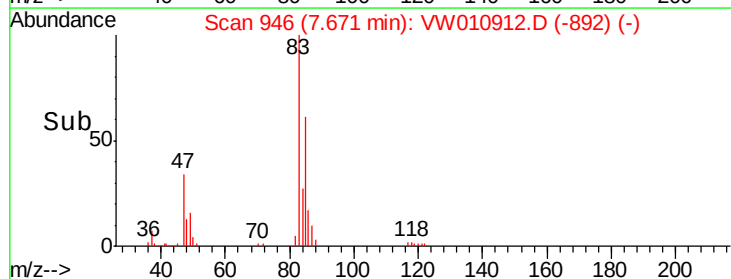
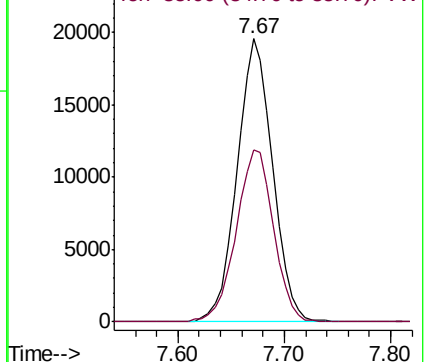
83 100

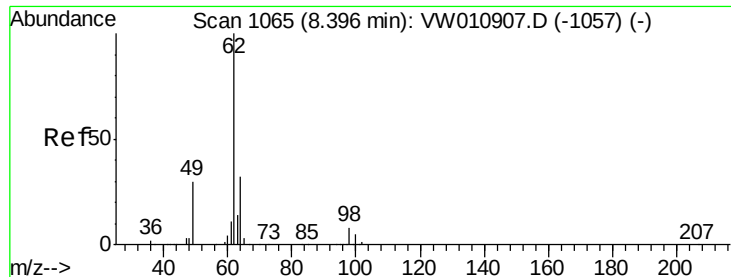
85 64.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

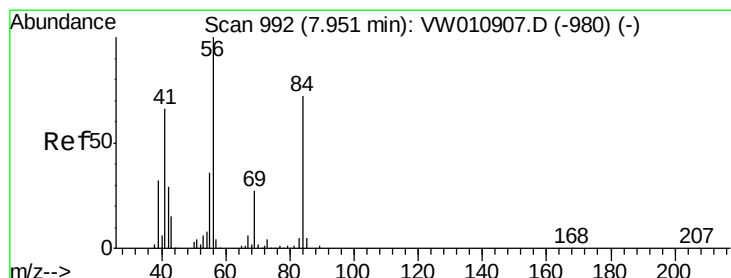
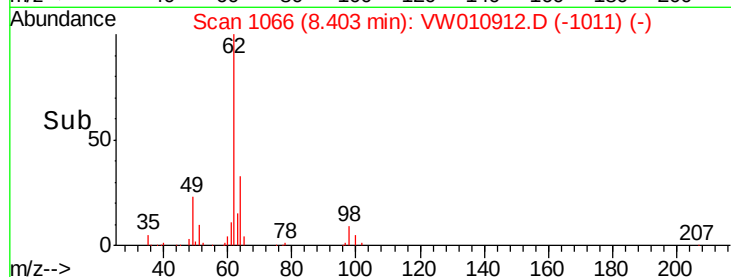
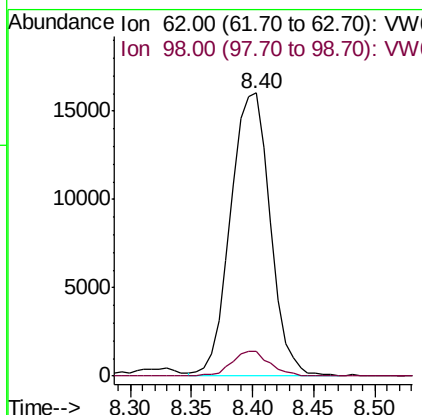
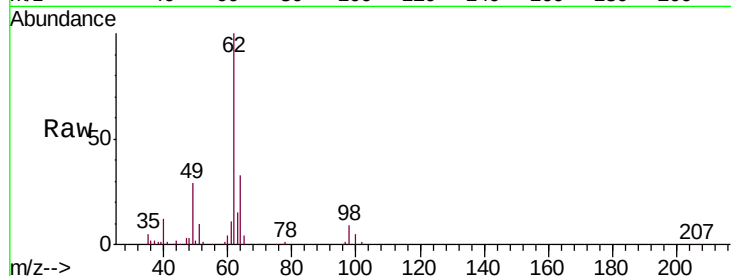




#27
 1,2-Dichloroethane
 Concen: 4.969 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

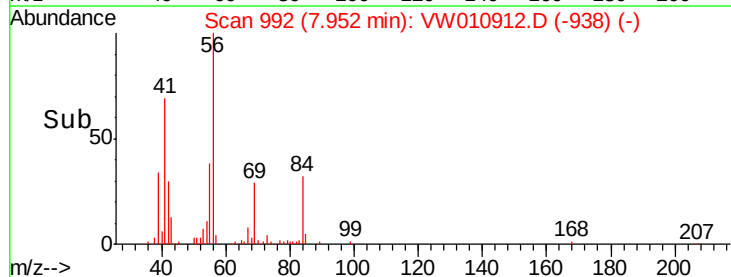
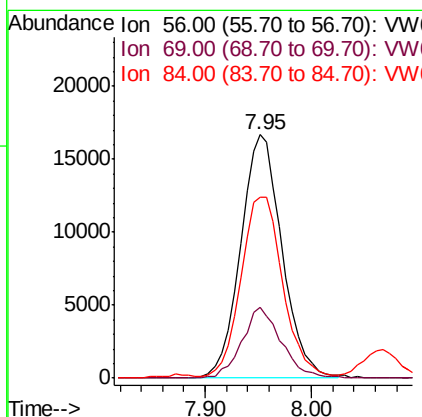
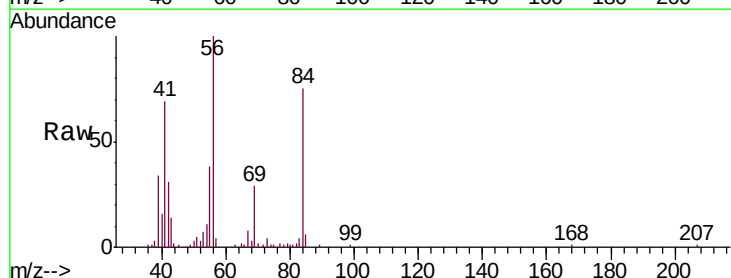
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

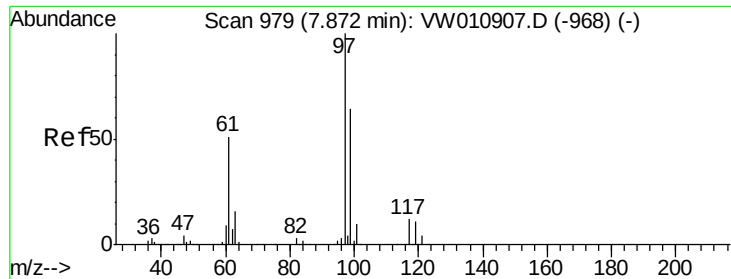
Tgt Ion: 62 Resp: 36046
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.3 9.5



#30
 Cyclohexane
 Concen: 4.571 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion: 56 Resp: 45383
 Ion Ratio Lower Upper
 56 100
 69 27.5 22.3 33.5
 84 76.1 60.3 90.5





#31

1,1,1-Trichloroethane

Concen: 3.971 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

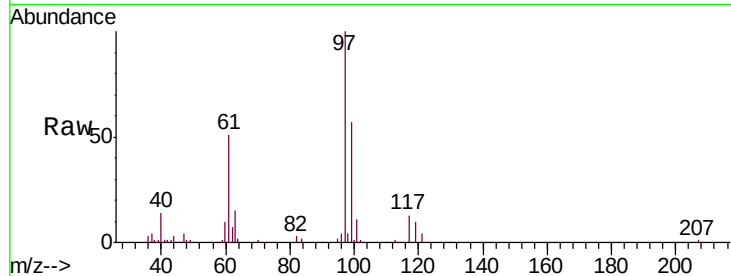
Tgt Ion: 97 Resp: 30281

Ion Ratio Lower Upper

97 100

99 62.8 51.0 76.6

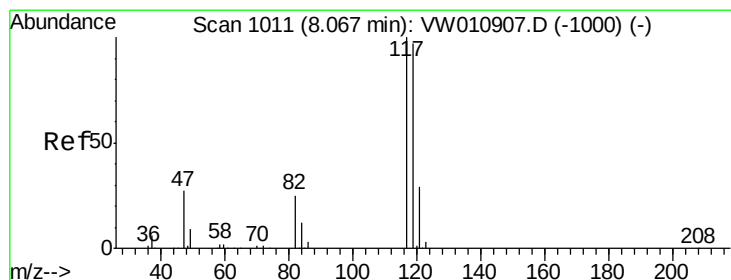
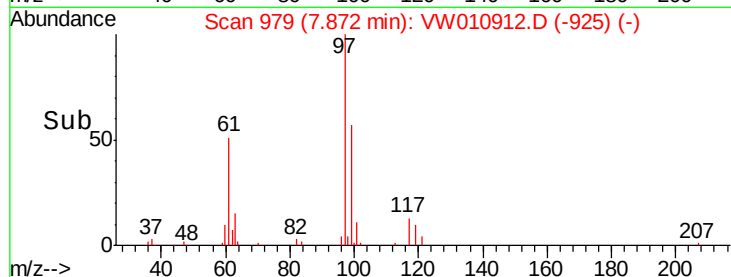
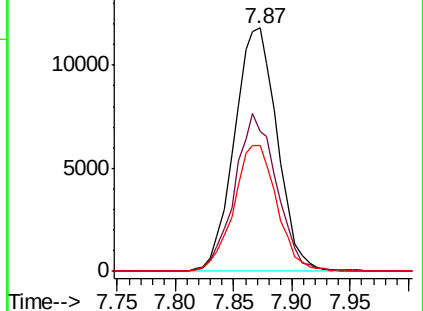
61 52.0 41.6 62.4



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 4.168 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010912.D

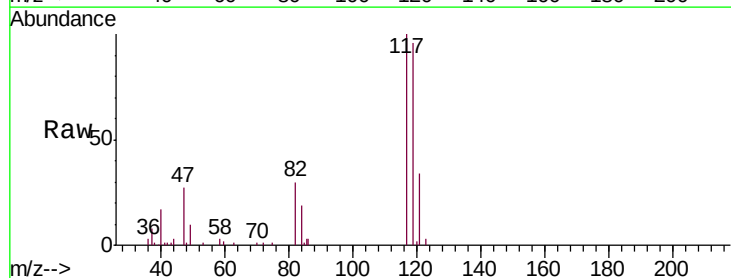
Acq: 22 Jun 2019 00:17

Tgt Ion: 117 Resp: 27000

Ion Ratio Lower Upper

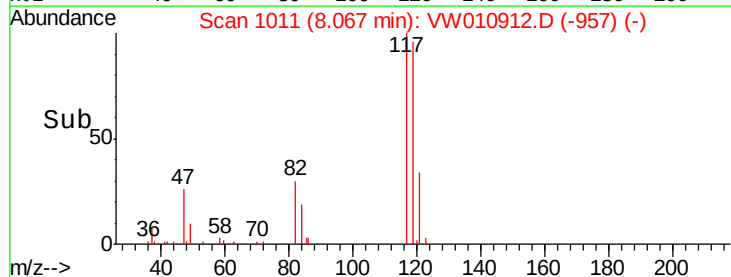
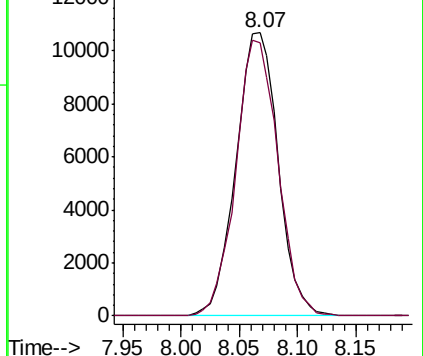
117 100

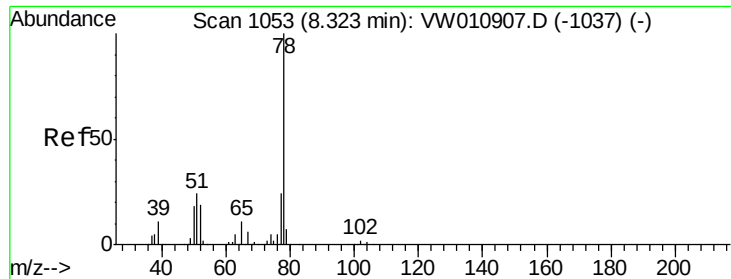
119 97.1 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 4.921 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

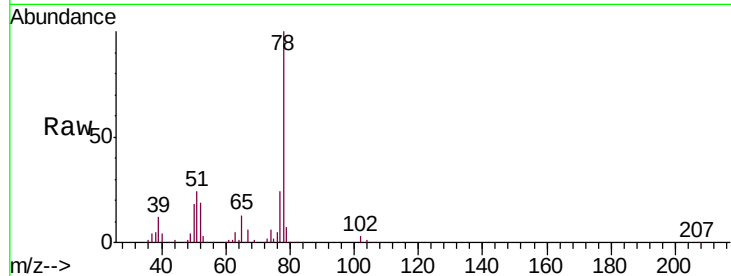
Instrument :

MSVOA_W

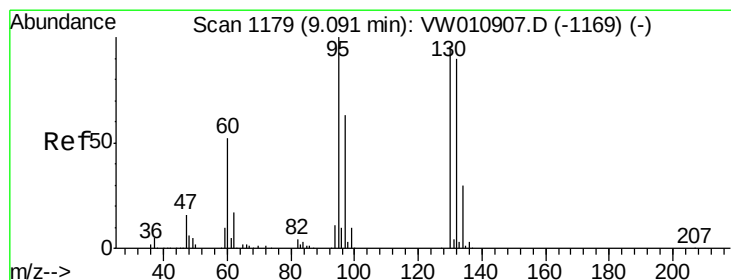
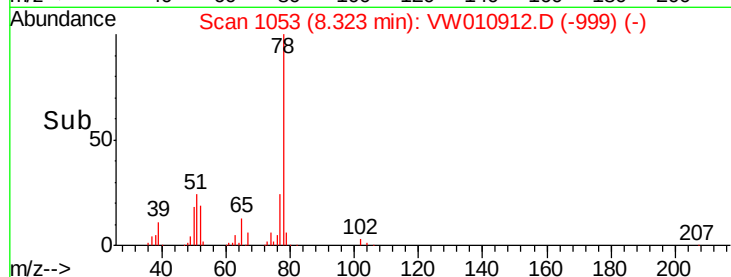
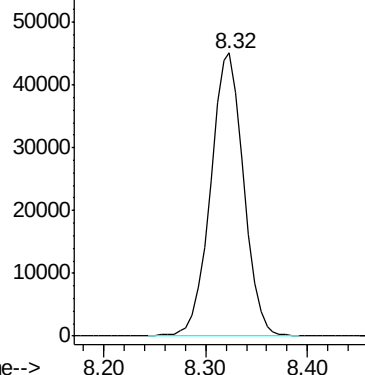
ClientSampleId :

VSTD00507

Tgt Ion: 78 Resp: 101207



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.742 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Tgt Ion: 95 Resp: 24895

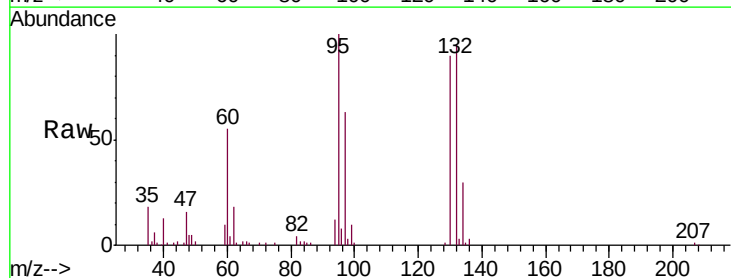
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.5	82.7
132	91.0	63.6	118.2
130	95.3	66.8	124.0

95 100

97 65.1 44.5 82.7

132 91.0 63.6 118.2

130 95.3 66.8 124.0

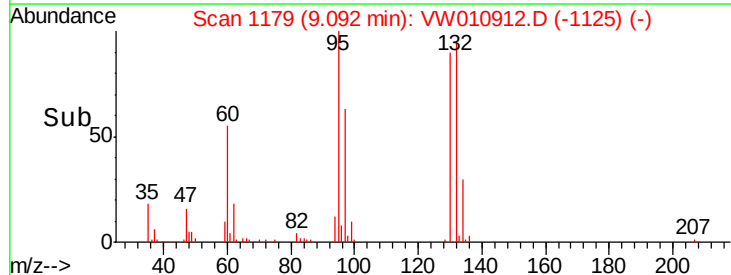
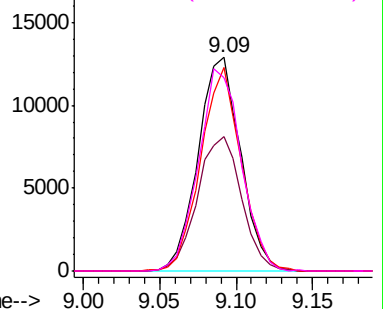


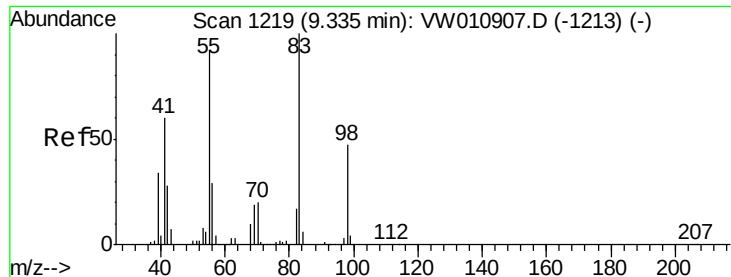
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

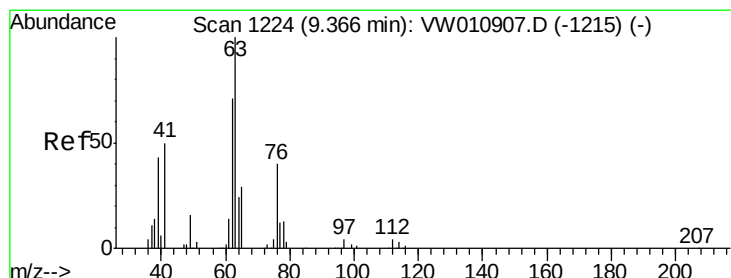
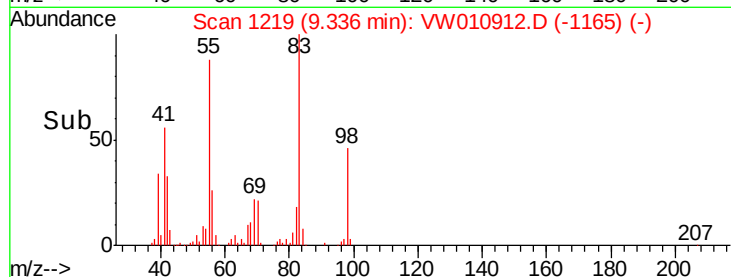
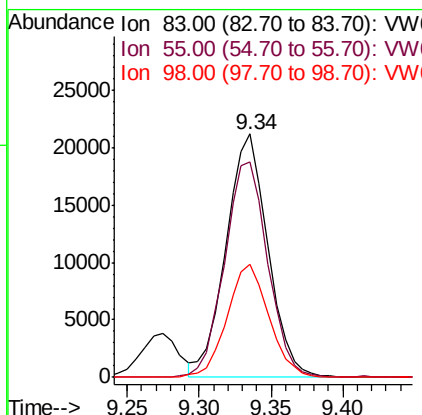
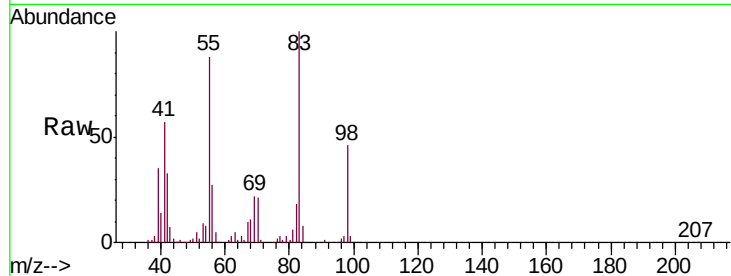




#36
Methylcyclohexane
Concen: 4.619 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

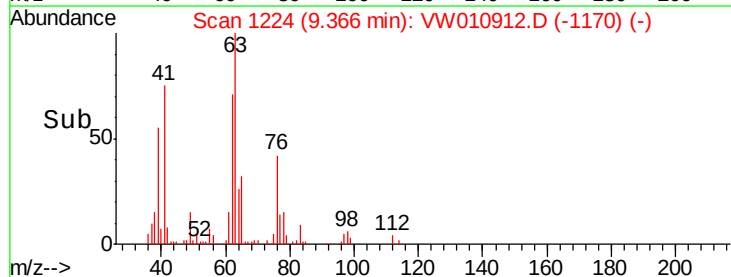
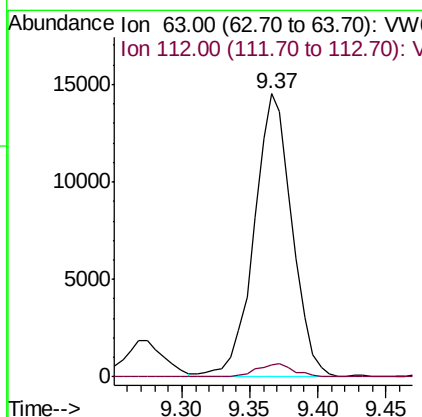
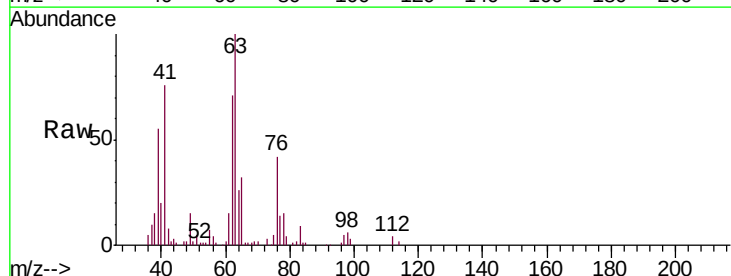
Instrument :
MSVOA_W
ClientSampled :
VSTD00507

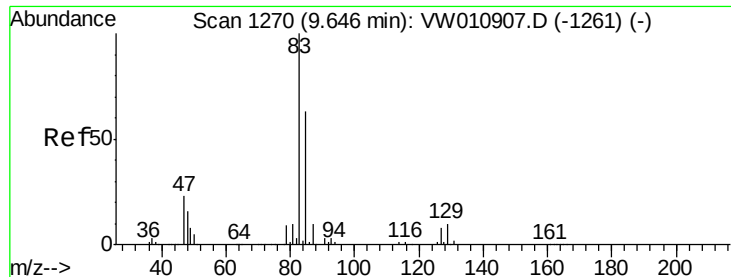
Tgt Ion: 83 Resp: 43036
Ion Ratio Lower Upper
83 100
55 91.2 72.6 109.0
98 46.5 37.9 56.9



#40
1,2-Dichloropropane
Concen: 4.949 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

Tgt Ion: 63 Resp: 28336
Ion Ratio Lower Upper
63 100
112 4.5 3.2 4.8





#41

Bromodichloromethane

Concen: 4.601 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

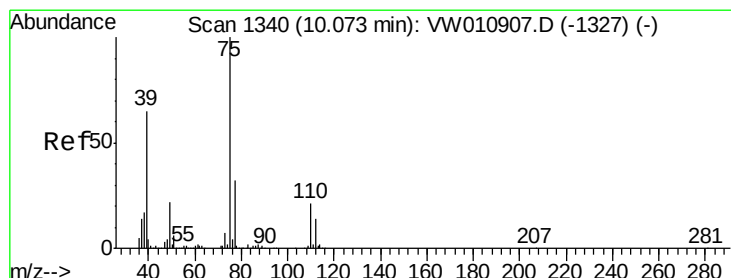
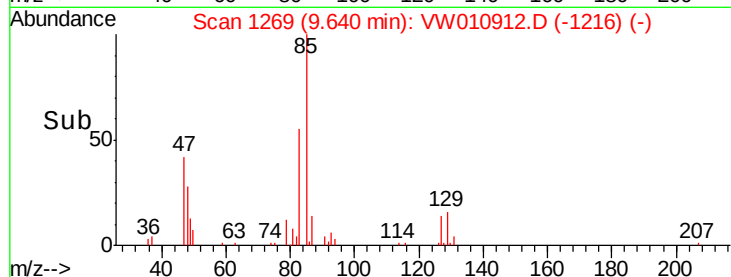
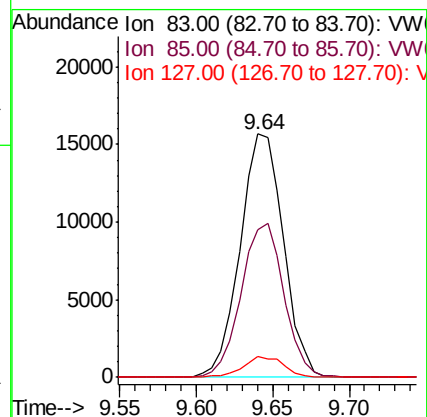
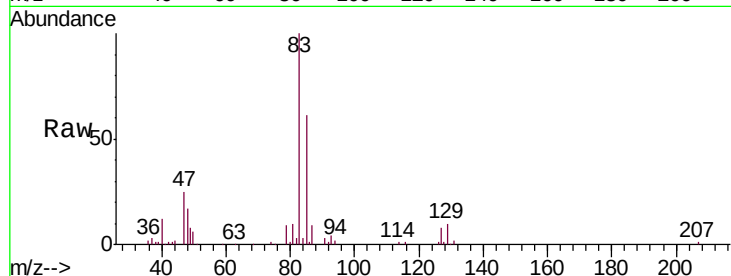
Tgt Ion: 83 Resp: 30852

Ion Ratio Lower Upper

83 100

85 60.9 43.8 81.4

127 9.3 6.2 9.4



#42

cis-1,3-Dichloropropene

Concen: 4.398 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010912.D

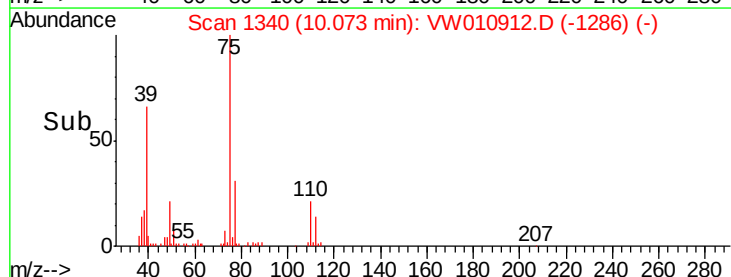
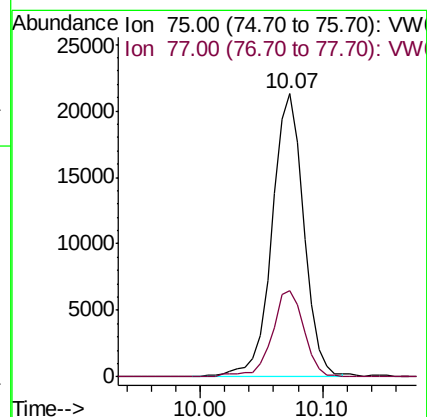
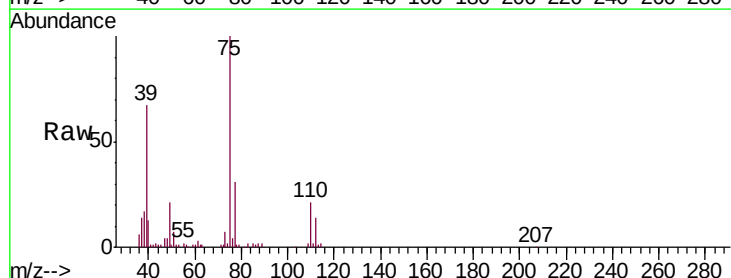
Acq: 22 Jun 2019 00:17

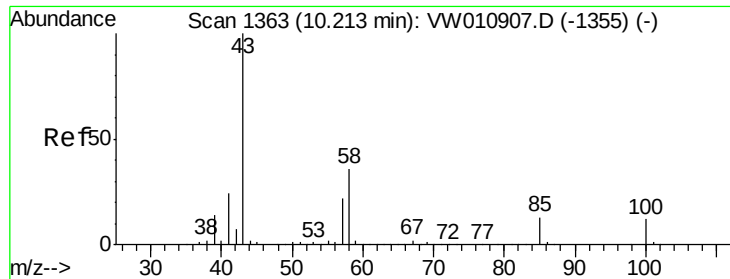
Tgt Ion: 75 Resp: 38473

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.5

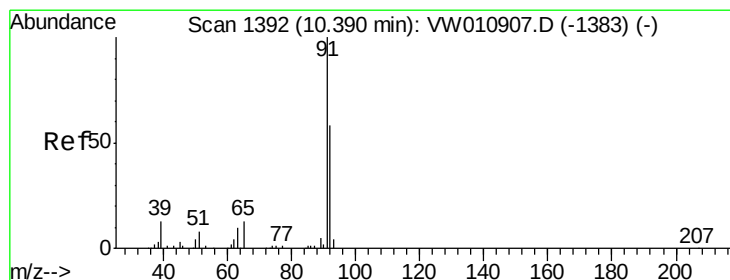
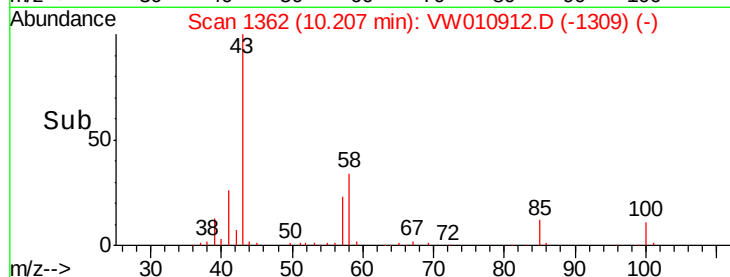
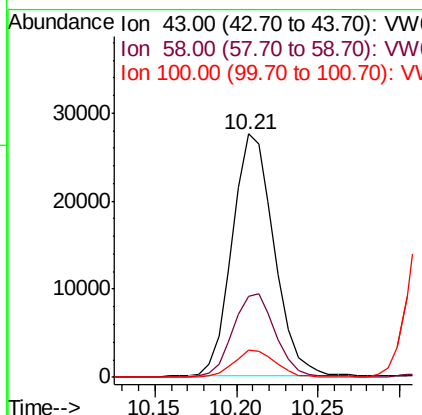
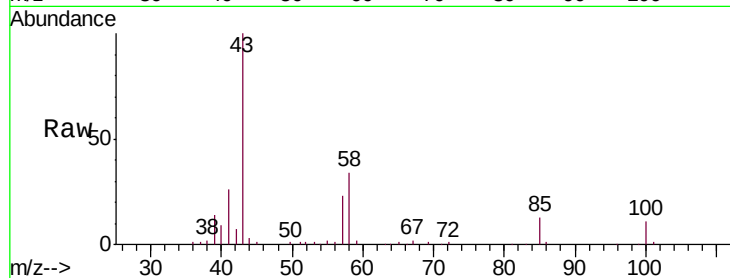




#43
4-Methyl-2-pentanone
Concen: 8.850 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

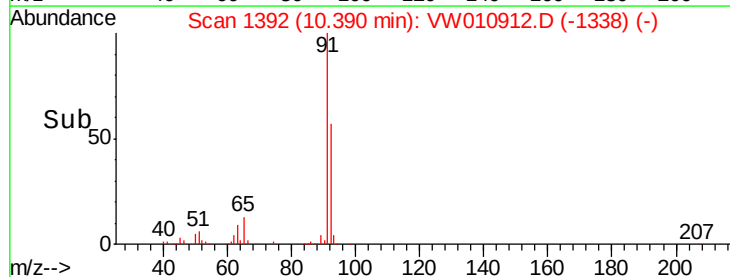
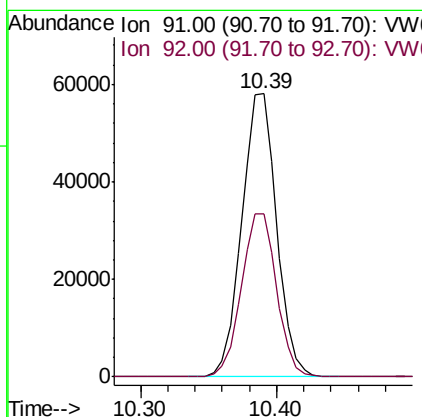
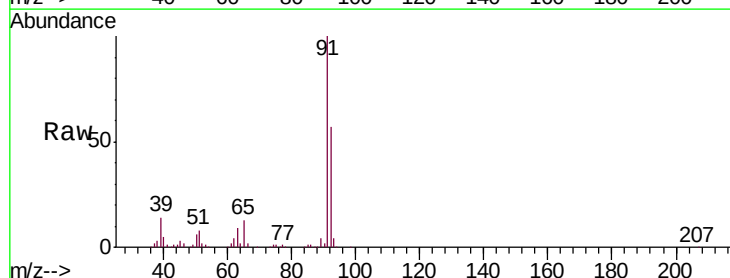
Instrument :
MSVOA_W
ClientSampleId :
VSTD00507

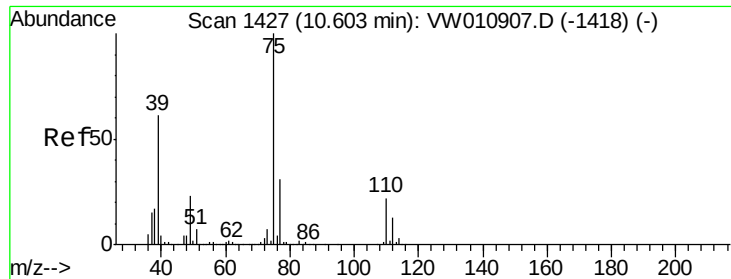
Tgt Ion: 43 Resp: 49134
Ion Ratio Lower Upper
43 100
58 35.2 27.9 41.9
100 11.3 9.4 14.2



#44
Toluene
Concen: 4.837 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

Tgt Ion: 91 Resp: 104212
Ion Ratio Lower Upper
91 100
92 57.4 40.5 75.3





#45

trans-1,3-Dichloropropene

Concen: 4.211 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

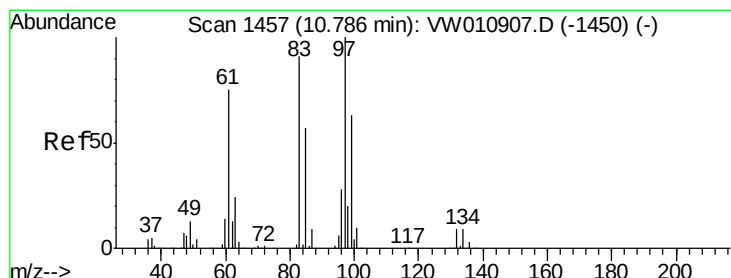
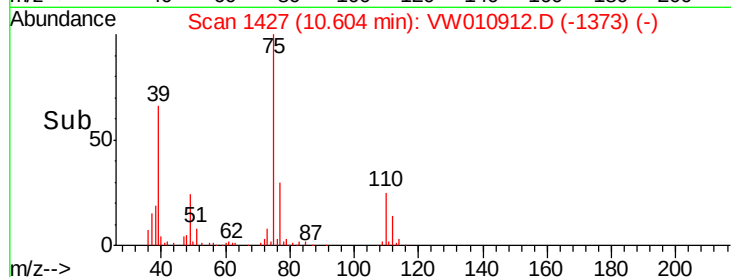
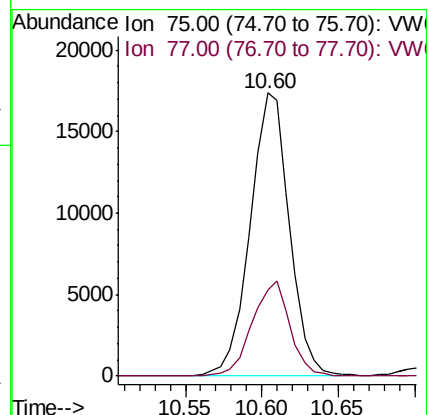
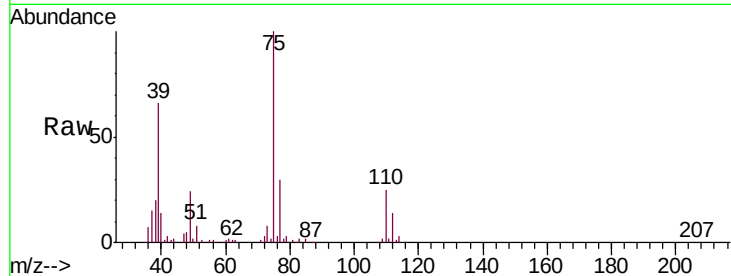
VSTD00507

Tgt Ion: 75 Resp: 30920

Ion Ratio Lower Upper

75 100

77 30.3 21.5 39.9



#46

1,1,2-Trichloroethane

Concen: 4.818 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Tgt Ion: 97 Resp: 19630

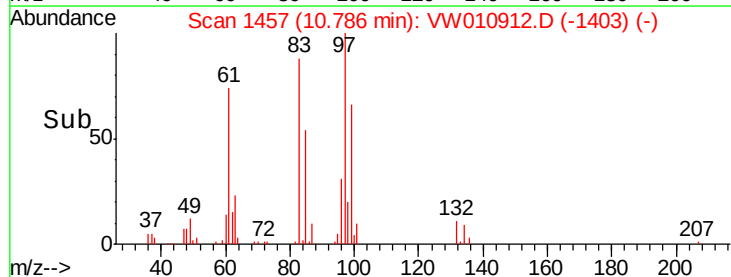
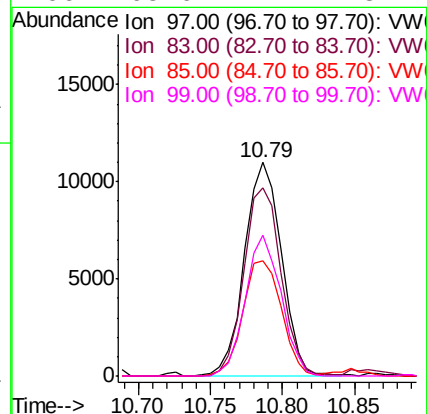
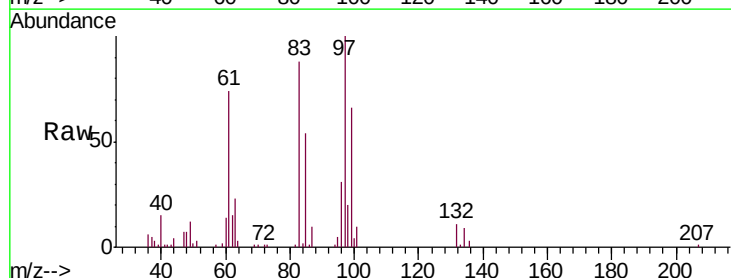
Ion Ratio Lower Upper

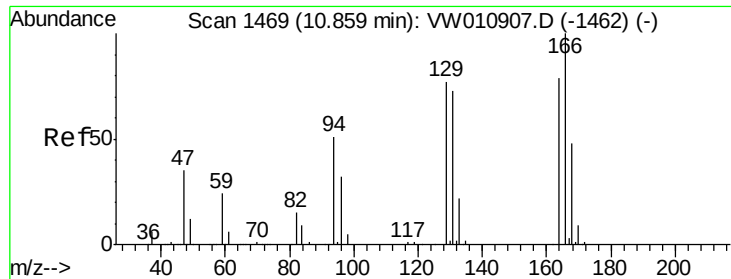
97 100

83 87.9 63.5 117.9

85 54.2 39.9 74.1

99 65.6 44.4 82.4





#47

Tetrachloroethene

Concen: 4.760 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

Tgt Ion:164 Resp: 18644

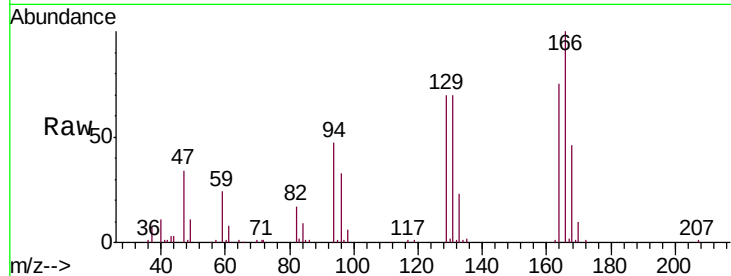
Ion Ratio Lower Upper

164 100

129 93.2 68.5 127.3

131 92.5 65.3 121.3

166 132.8 88.9 165.1

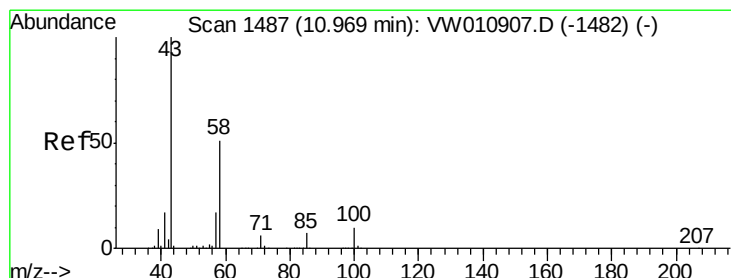
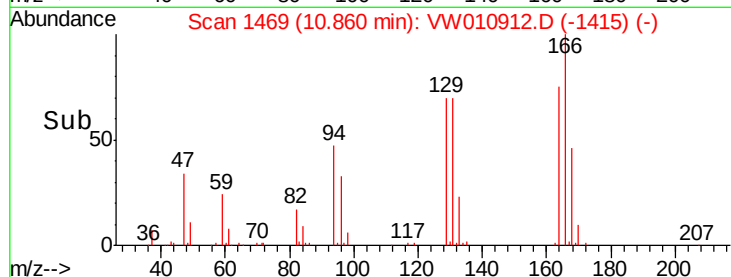
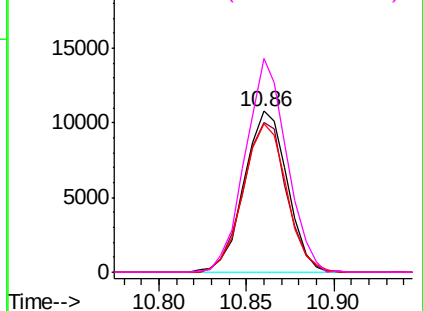


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.817 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Tgt Ion: 43 Resp: 35565

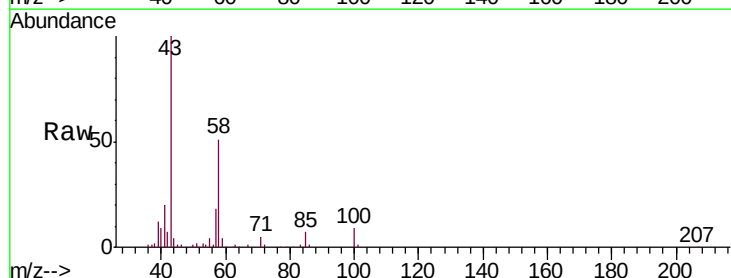
Ion Ratio Lower Upper

43 100

58 49.4 38.2 57.2

57 17.9 13.5 20.3

100 9.6 7.4 11.0

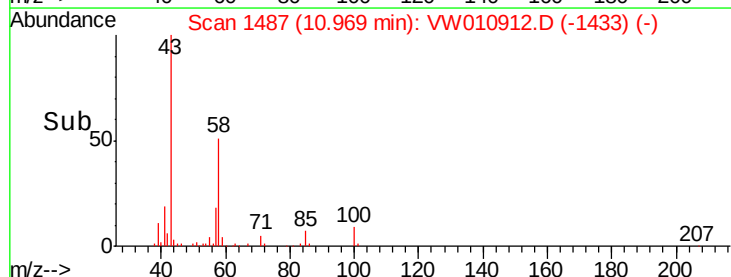
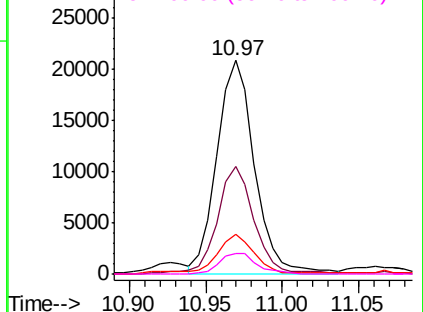


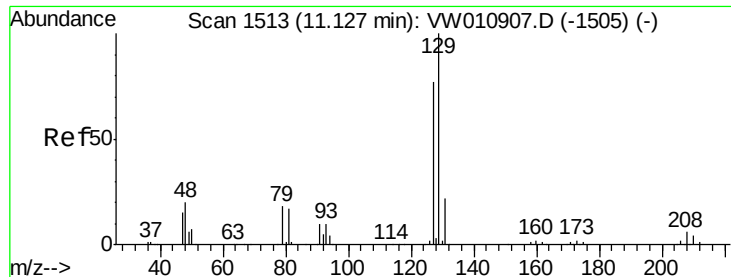
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 4.235 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

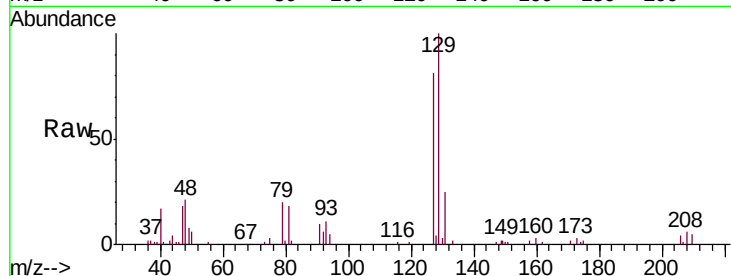
VSTD00507

Tgt Ion:129 Resp: 19003

Ion Ratio Lower Upper

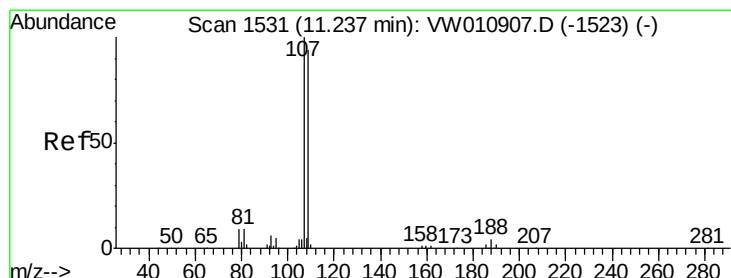
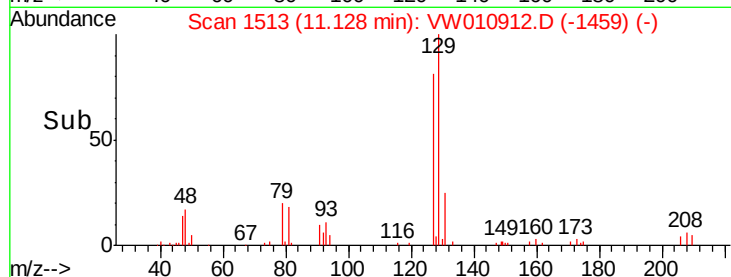
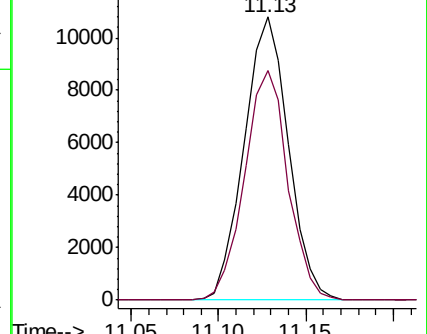
129 100

127 81.1 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.649 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

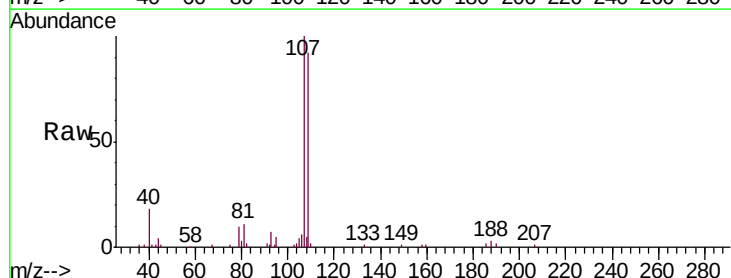
Tgt Ion:107 Resp: 18313

Ion Ratio Lower Upper

107 100

109 91.8 65.7 121.9

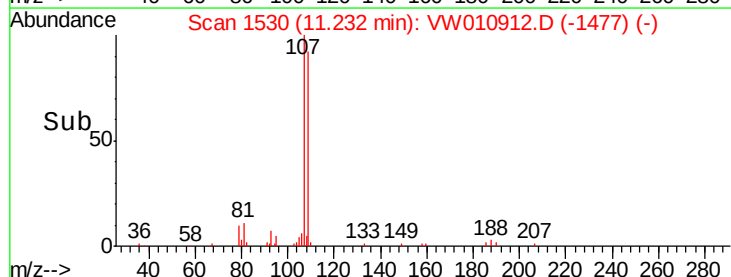
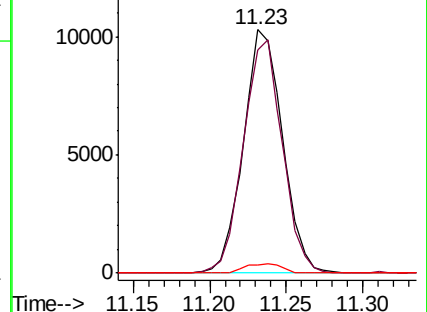
188 3.4 3.0 4.4

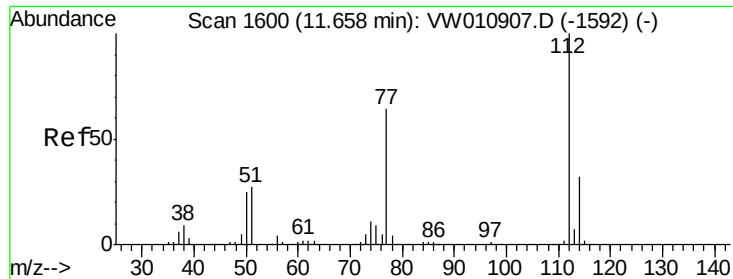


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

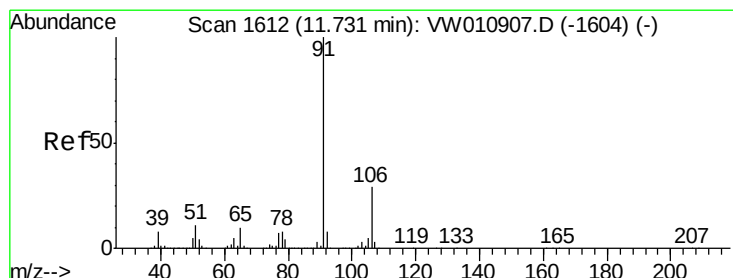
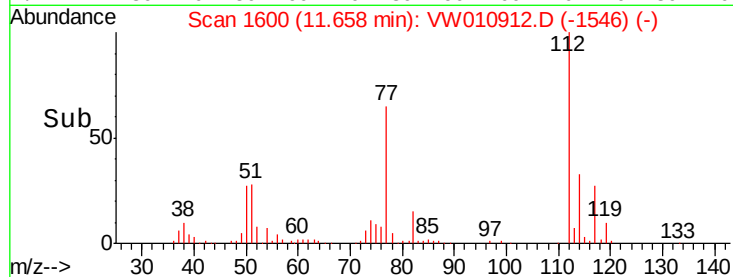
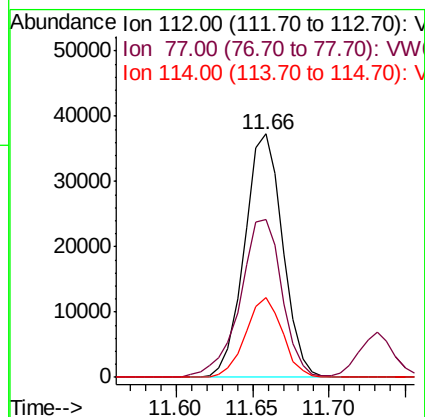
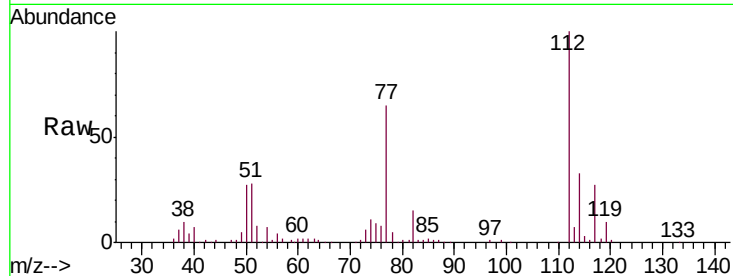




#52
Chlorobenzene
Concen: 4.836 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

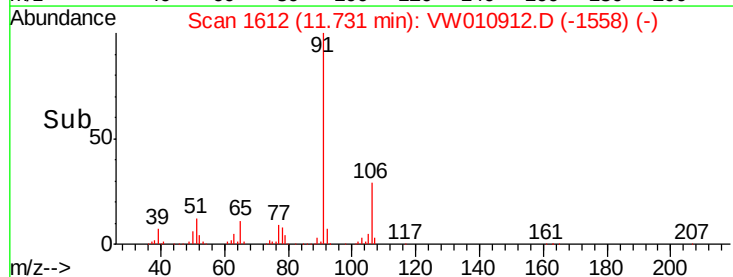
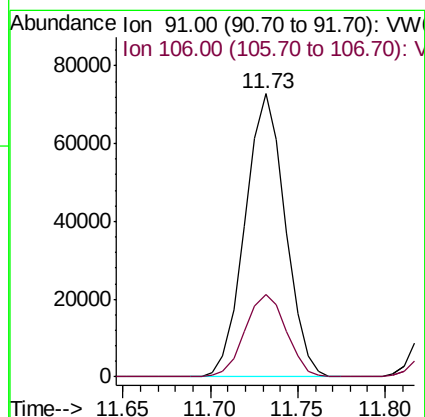
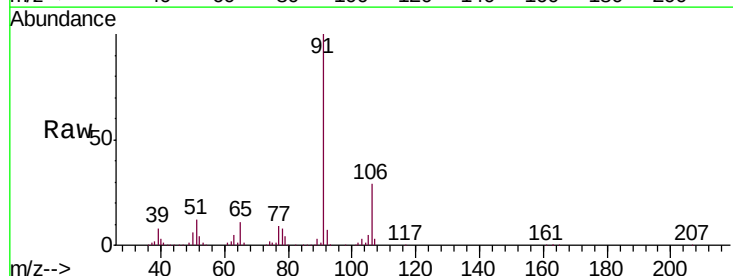
Instrument :
MSVOA_W
ClientSampleId :
VSTD00507

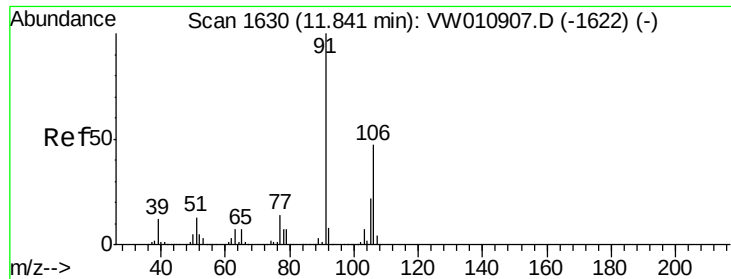
Tgt Ion: 112 Resp: 64518
Ion Ratio Lower Upper
112 100
77 65.1 51.4 77.0
114 33.0 22.5 41.9



#53
Ethylbenzene
Concen: 4.750 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010912.D
Acq: 22 Jun 2019 00:17

Tgt Ion: 91 Resp: 116394
Ion Ratio Lower Upper
91 100
106 29.2 20.6 38.2





#54

m,p-Xylene

Concen: 4.748 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampled :

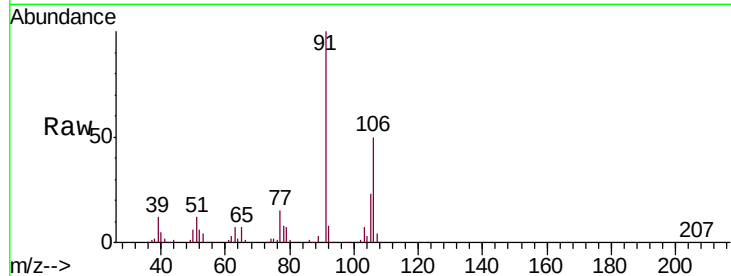
VSTD00507

Tgt Ion:106 Resp: 42102

Ion Ratio Lower Upper

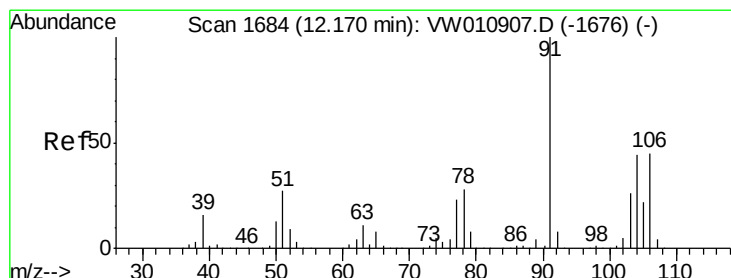
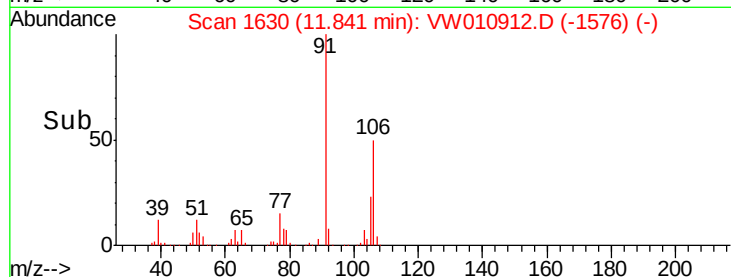
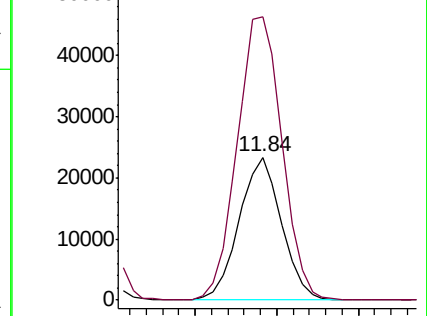
106 100

91 198.2 148.3 275.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.760 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010912.D

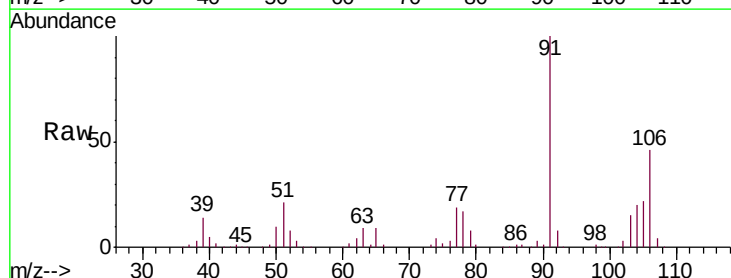
Acq: 22 Jun 2019 00:17

Tgt Ion:106 Resp: 40919

Ion Ratio Lower Upper

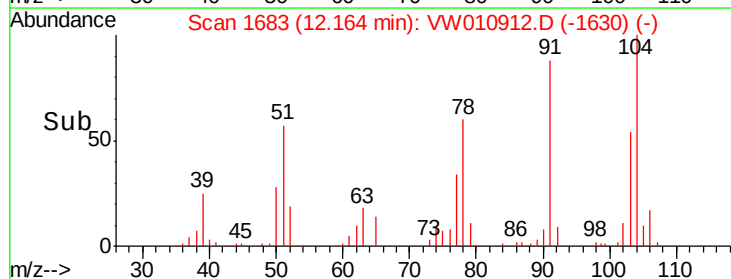
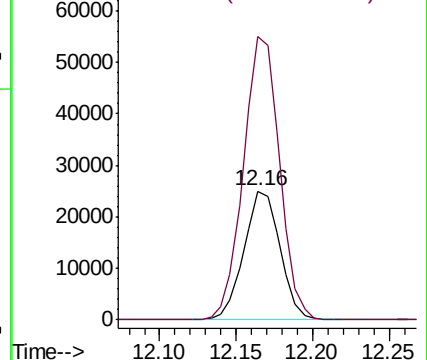
106 100

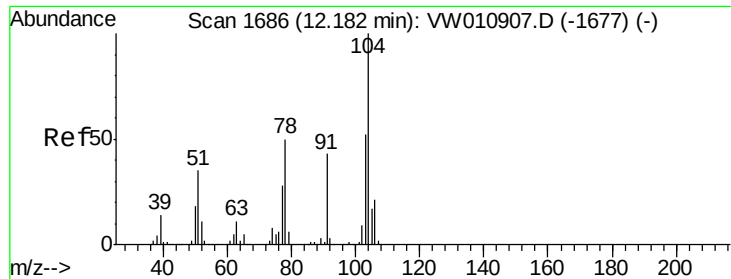
91 219.5 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.680 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

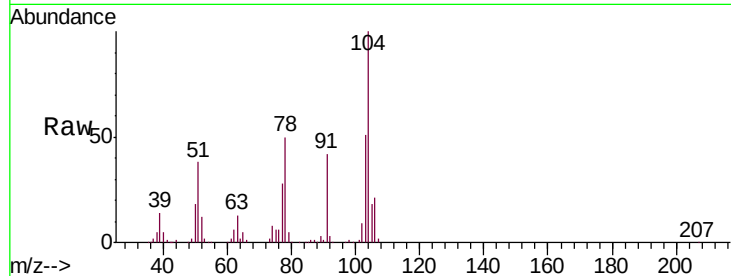
VSTD00507

Tgt Ion:104 Resp: 70013

Ion Ratio Lower Upper

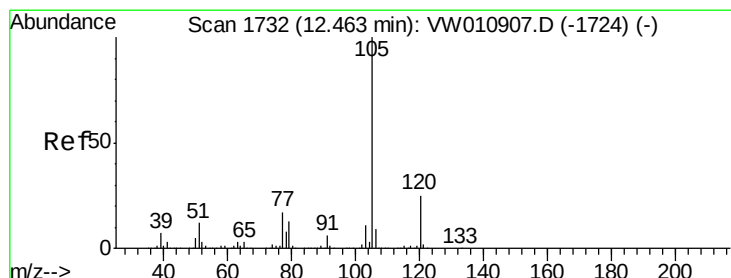
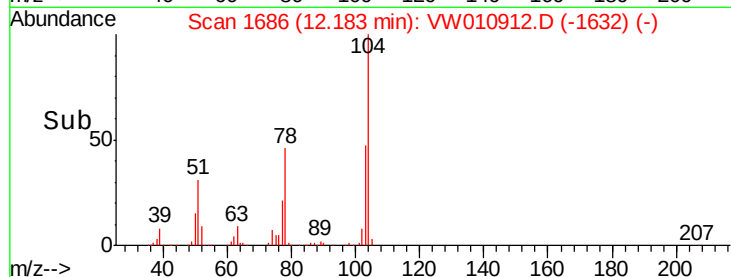
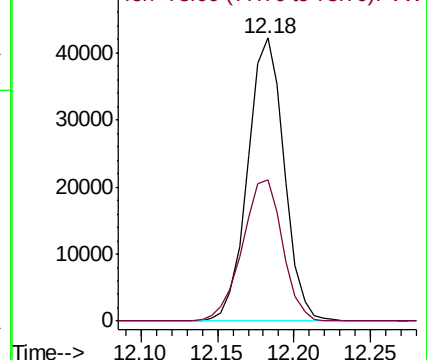
104 100

78 49.7 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 4.610 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

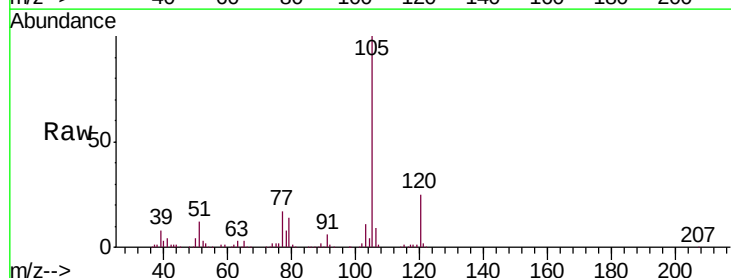
Tgt Ion:105 Resp: 107712

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

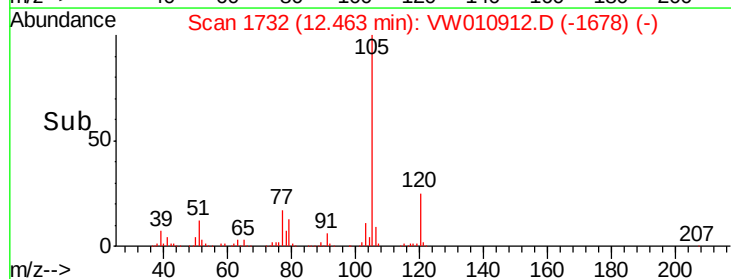
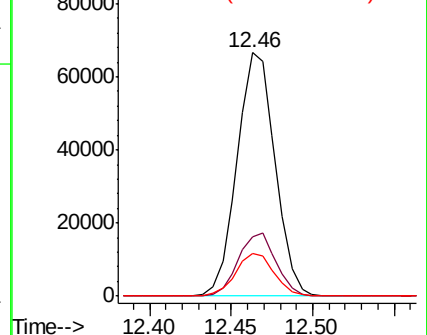
77 17.6 13.6 20.4

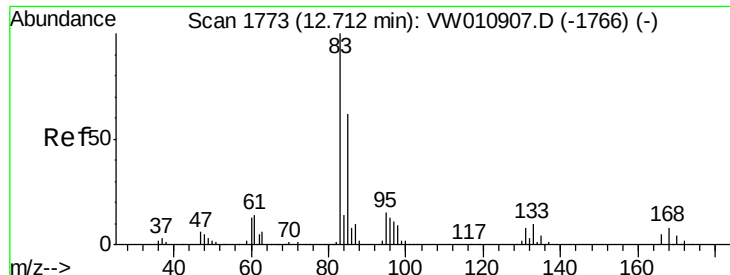


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

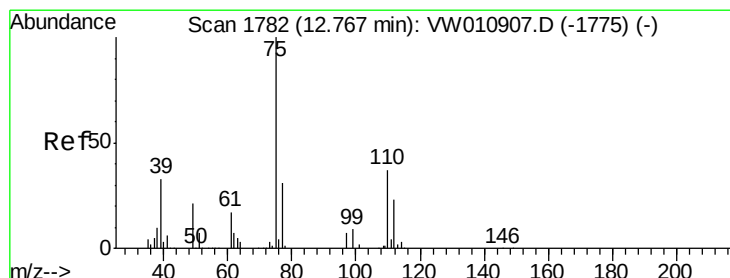
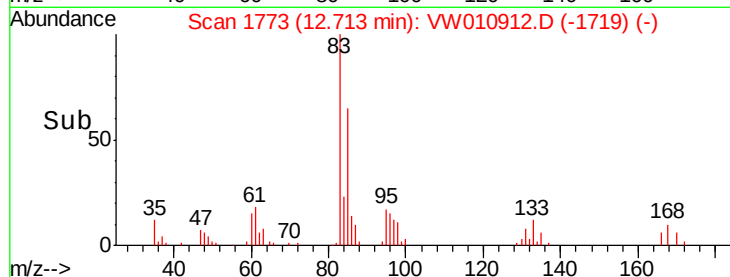
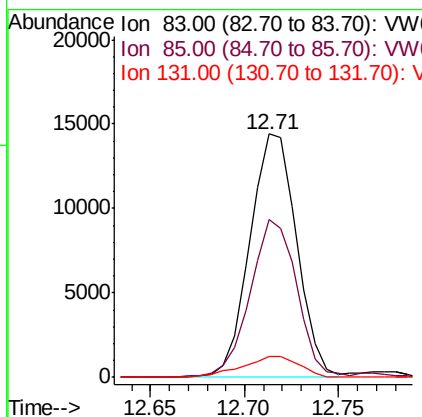
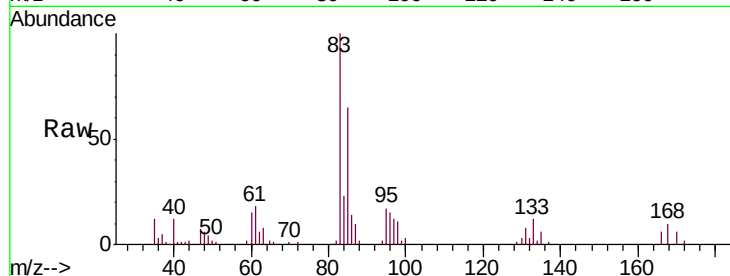




#58
 1,1,2,2-Tetrachloroethane
 Concen: 4.548 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

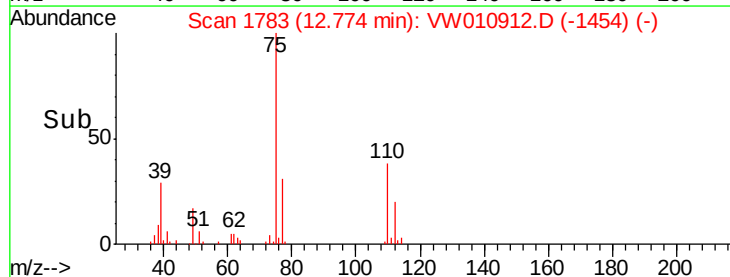
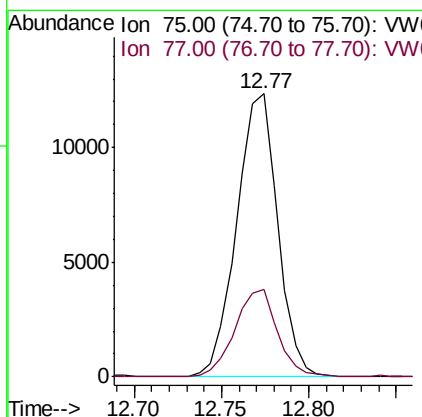
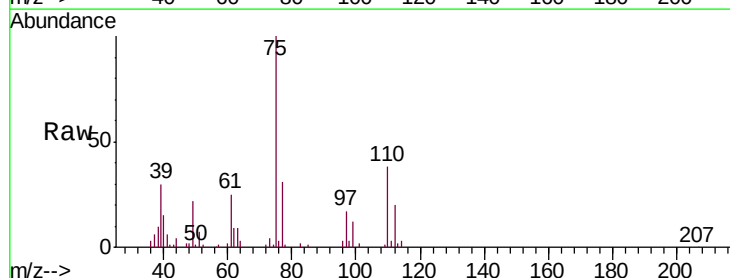
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

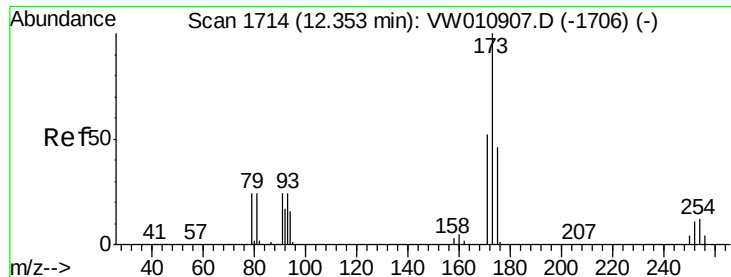
Tgt Ion: 83 Resp: 24821
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.8 81.3
 131 8.4 6.9 10.3



#59
 1,2,3-Trichloropropane
 Concen: 4.684 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion: 75 Resp: 20188
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2





#62

Bromoform

Concen: 3.846 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00507

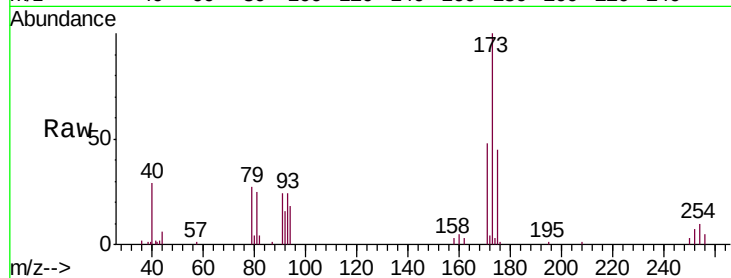
Tgt Ion:173 Resp: 10309

Ion Ratio Lower Upper

173 100

175 50.2 38.2 57.2

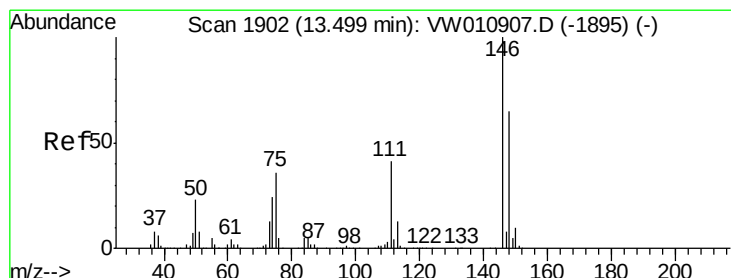
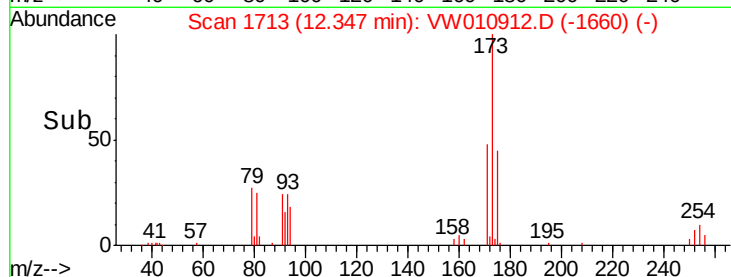
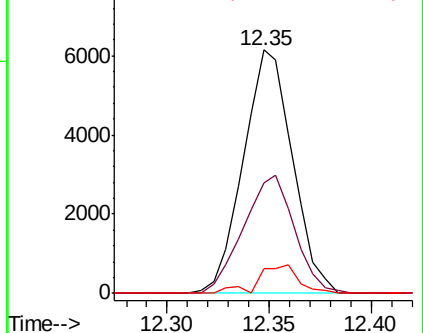
254 8.4 8.5 12.7#



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: 4.773 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010912.D

Acq: 22 Jun 2019 00:17

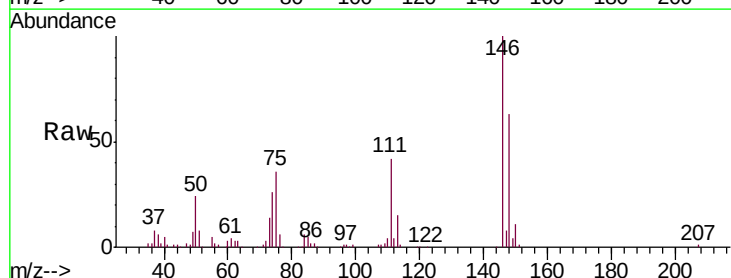
Tgt Ion:146 Resp: 49231

Ion Ratio Lower Upper

146 100

111 42.2 28.8 53.6

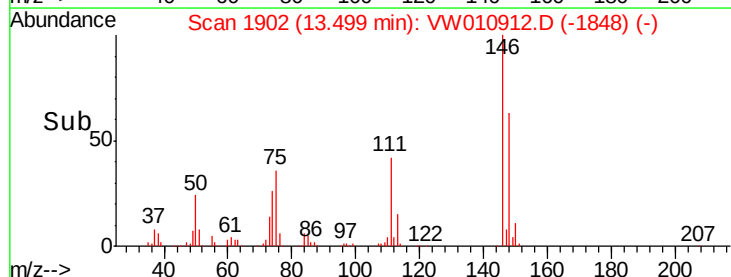
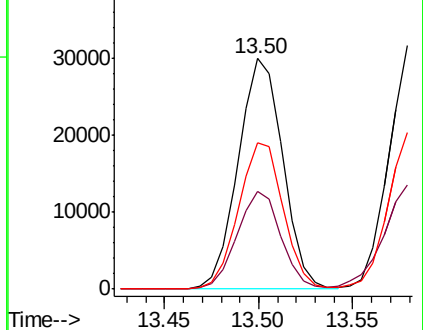
148 63.3 45.4 84.4

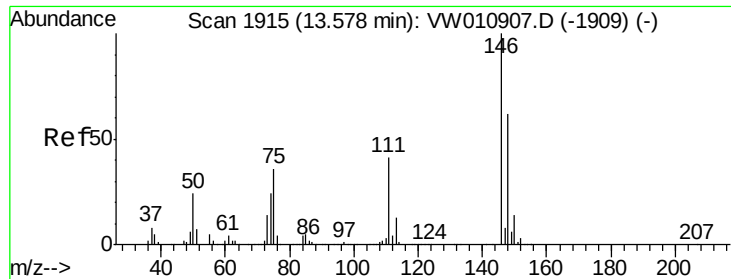


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

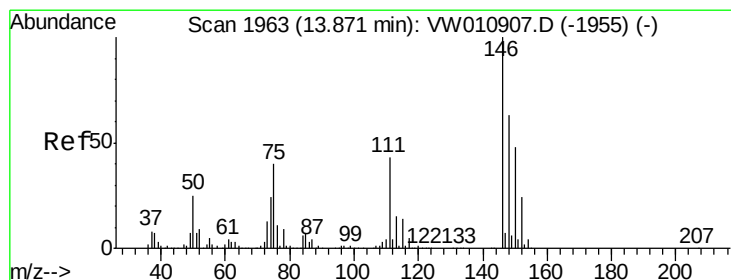
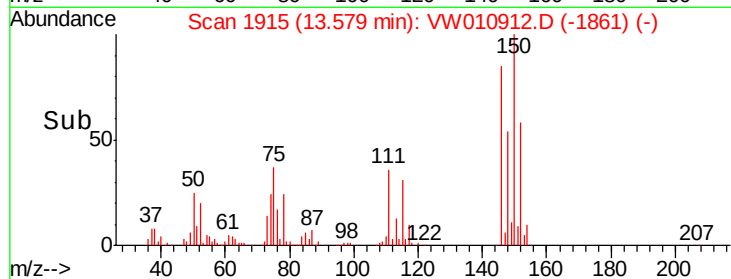
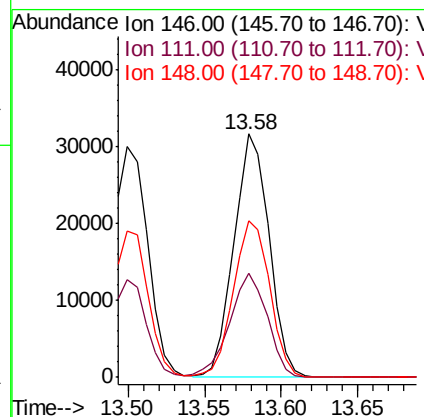
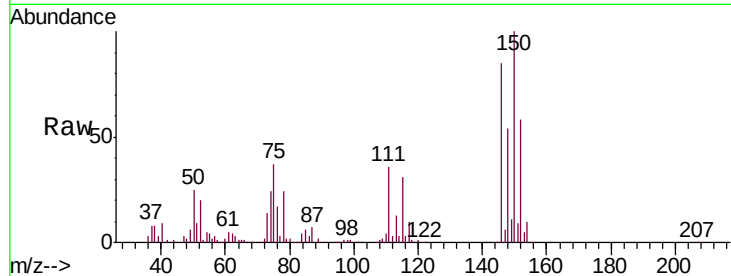




#64
 1,4-Dichlorobenzene
 Concen: 4.809 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

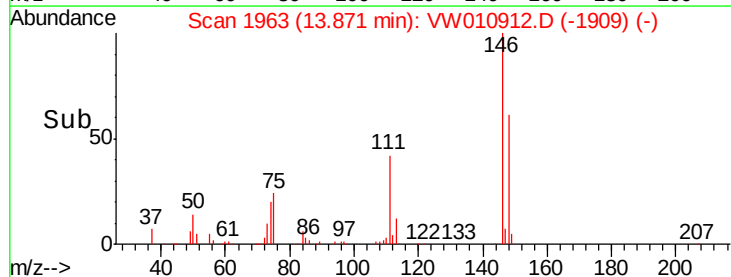
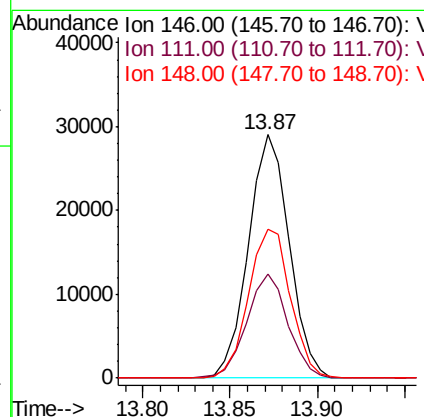
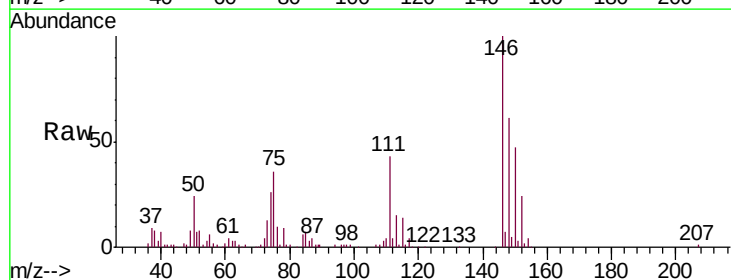
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

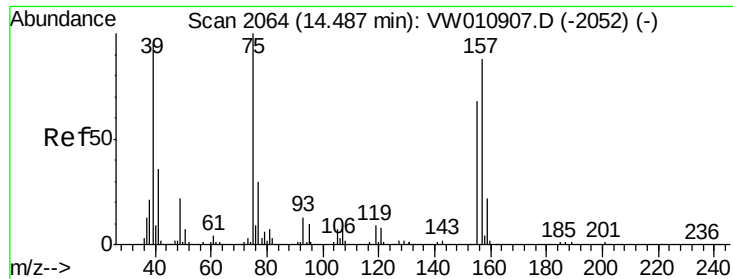
Tgt Ion:146 Resp: 50447
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.7 53.3
 148 64.1 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion:146 Resp: 47160
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.6 51.8
 148 60.9 50.6 76.0

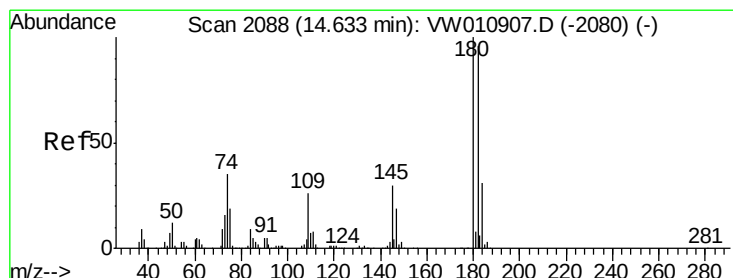
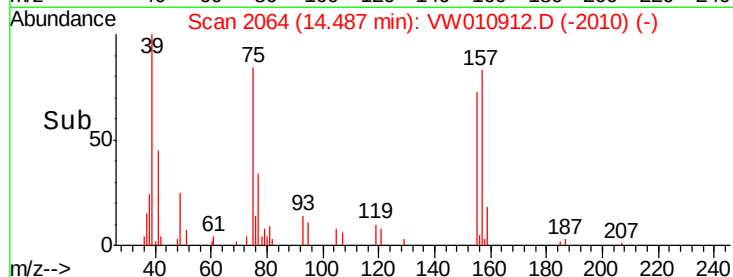
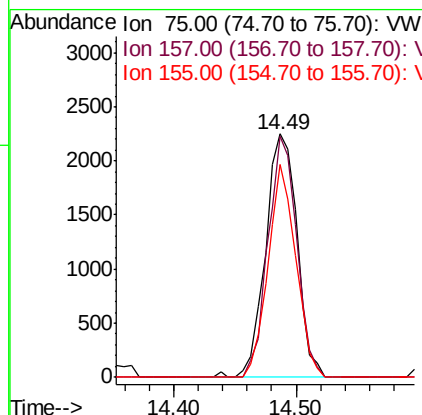
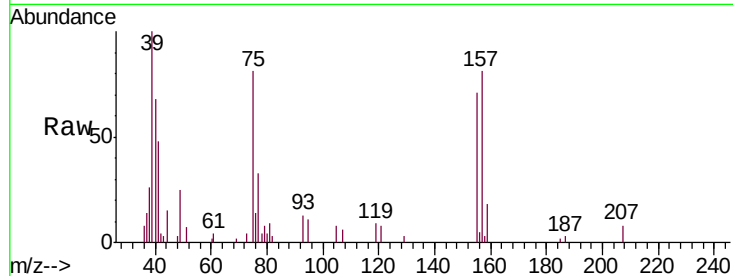




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.907 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

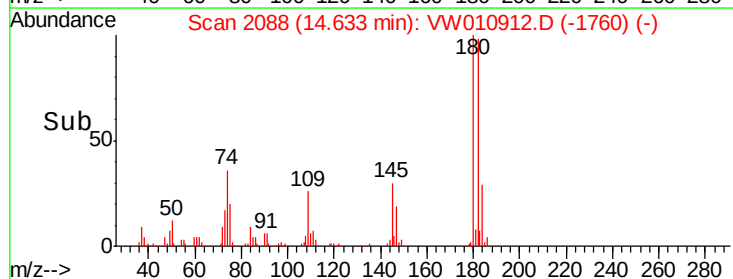
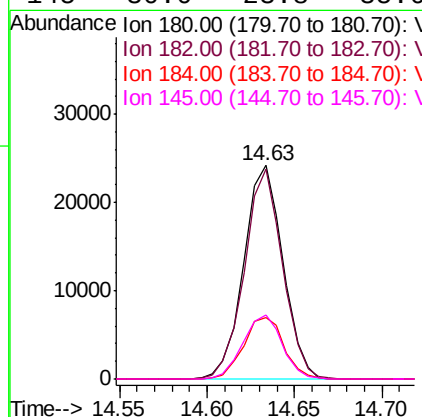
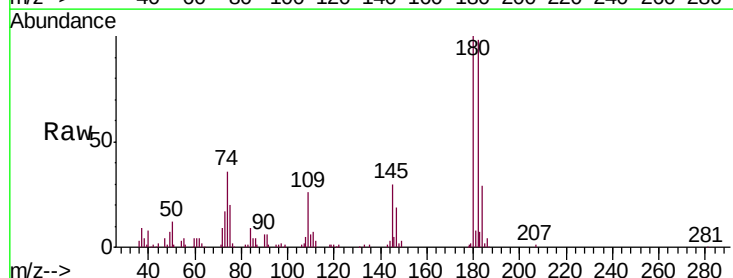
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

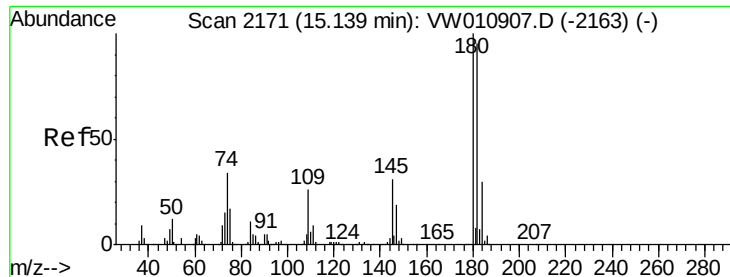
Tgt Ion: 75 Resp: 4008
 Ion Ratio Lower Upper
 75 100
 157 99.2 70.1 105.1
 155 87.2 54.5 81.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.798 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion: 180 Resp: 37606
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.8
 184 30.2 24.2 36.2
 145 30.0 23.8 35.6

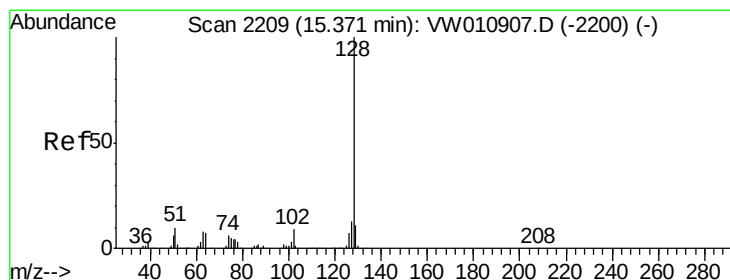
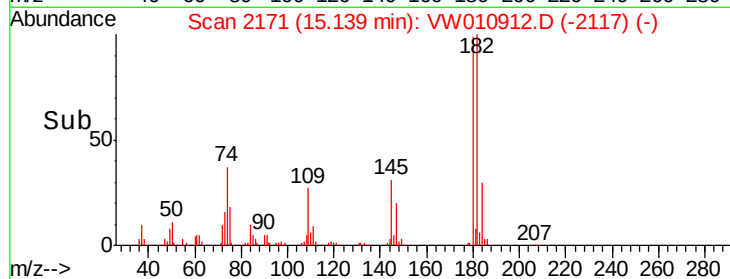
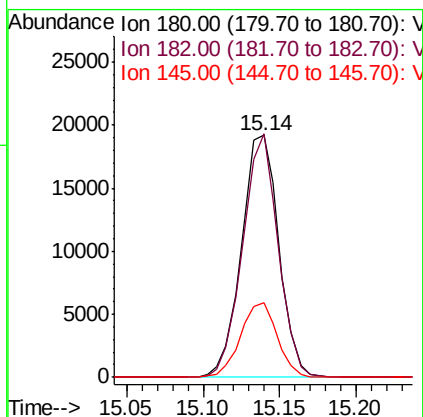
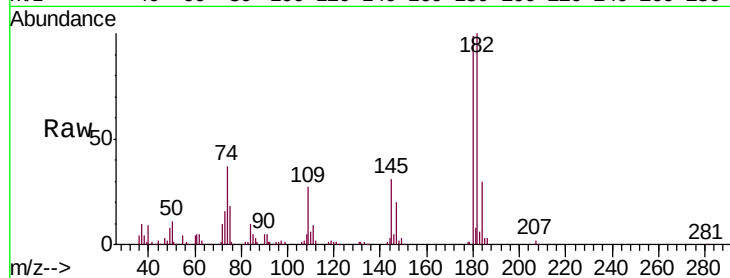




#68
 1,2,4-trichlorobenzene
 Concen: 4.992 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

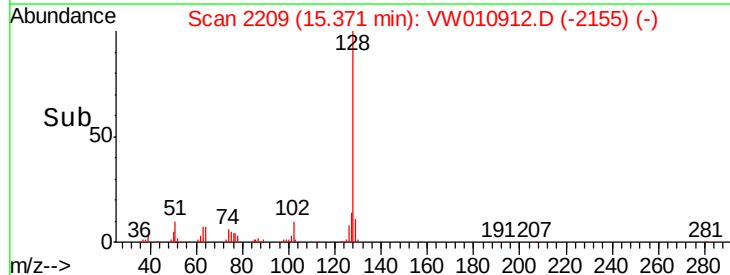
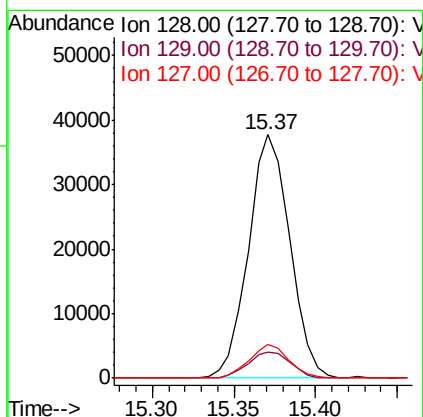
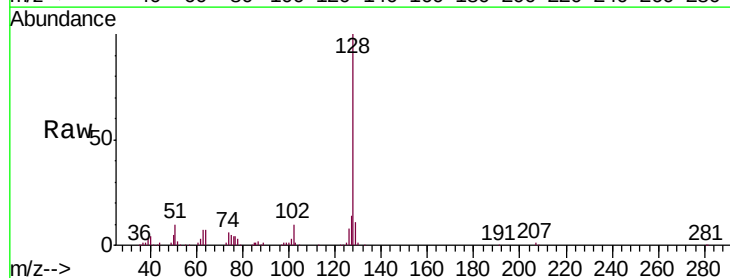
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

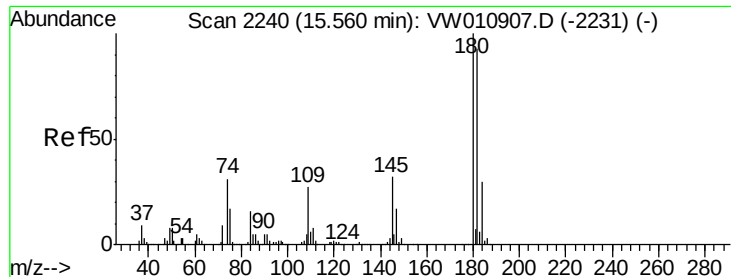
Tgt Ion:180 Resp: 32684
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.6 114.8
 145 30.3 24.4 36.6



#69
 Naphthalene
 Concen: 4.749 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Tgt Ion:128 Resp: 66757
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 13.3 10.6 15.8

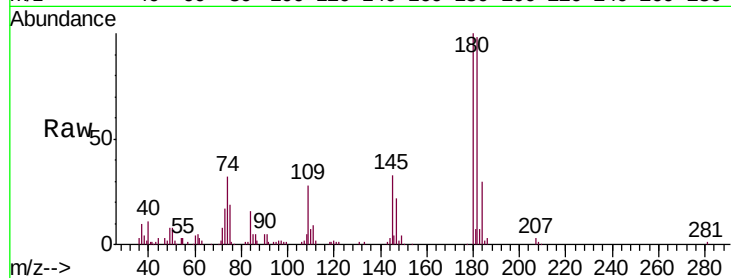




#70
 1,2,3-Trichlorobenzene
 Concen: 5.123 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW010912.D
 Acq: 22 Jun 2019 00:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	32.2	26.1	39.1



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

