

Data File : VW005518.D
Acq On : 19 Sep 2018 16:41
Operator : SY/AP
Sample : VSTD05094
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05094

Quant Time: Sep 19 17:21:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 17:19:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	431402	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	405523	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	209328	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	309132	62.09	ug/L	0.00
7) Chloroethane-d5	2.89	69	238398	67.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	652123	73.35	ug/L	0.00
20) 2-Butanone-d5	7.08	46	221683	118.21	ug/L	0.00
24) Chloroform-d	7.65	84	615213	76.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	368782	71.67	ug/L	0.00
29) Benzene-d6	8.28	84	1254566	77.06	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	386538	83.18	ug/L	0.00
37) Toluene-d8	10.33	98	1183416	71.75	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	181092	77.88	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	182233	125.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	333625	68.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	424641	67.59	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	320584	36.049	ug/L	93
3) Chloromethane	2.22	50	316161	38.608	ug/L	99
5) Vinyl chloride	2.37	62	317823	40.737	ug/L	99
6) Bromomethane	2.78	94	186325	46.097	ug/L	99
8) Chloroethane	2.93	64	183997	44.402	ug/L	97
9) Trichlorofluoromethane	3.26	101	268393	26.413	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	283987	51.159	ug/L	98
12) 1,1-Dichloroethene	4.04	96	266007	56.659	ug/L	88
13) Acetone	4.12	43	142432	80.899	ug/L	98
14) Carbon disulfide	4.38	76	861409	46.735	ug/L	98
15) Methyl Acetate	4.67	43	173535	44.677	ug/L	99
16) Methylene chloride	4.92	84	285426	34.840	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	440219	33.777	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	282280	53.846	ug/L	97
19) 1,1-Dichloroethane	6.21	63	545891	56.984	ug/L	98
21) 2-Butanone	7.18	43	224935	83.365	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	317574	56.760	ug/L	98
23) Bromochloromethane	7.52	128	137838	52.864	ug/L	98
25) Chloroform	7.68	83	550563	54.651	ug/L	100
27) 1,2-Dichloroethane	8.40	62	397856	50.877	ug/L	100
30) Cyclohexane	7.96	56	552804	60.373	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	458852	49.767	ug/L	99
32) Carbon tetrachloride	8.07	117	440831	51.537	ug/L	100
34) Benzene	8.33	78	1223054	54.136	ug/L	100
35) Trichloroethene	9.09	95	314656	52.474	ug/L	99
36) Methylcyclohexane	9.34	83	587264	56.426	ug/L	100
40) 1,2-Dichloropropane	9.37	63	321617	57.665	ug/L	99
41) Bromodichloromethane	9.65	83	399875	55.930	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	499905	60.682	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	497085	93.220	ug/L	99

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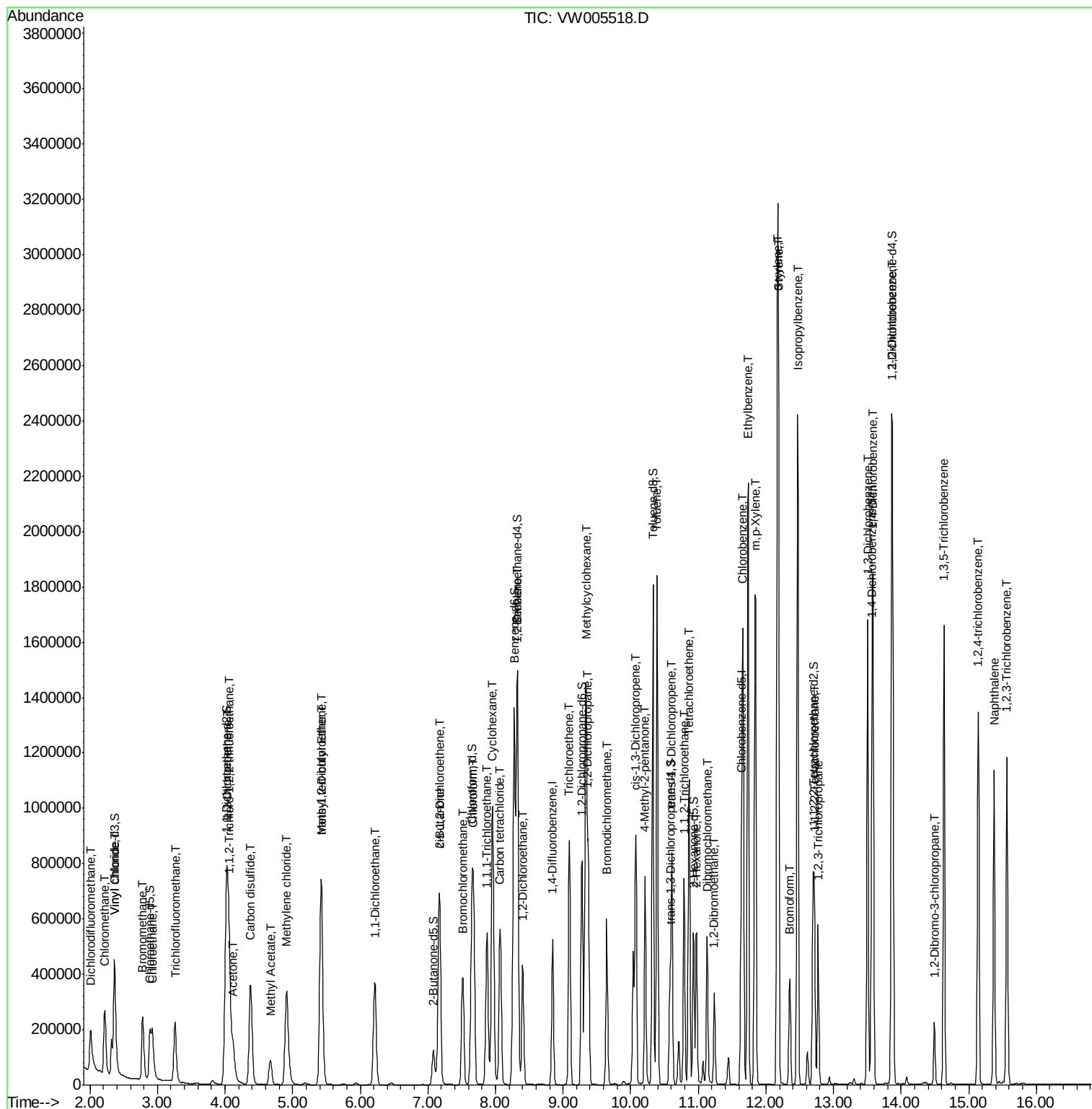
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1305508	50.432	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	446903	57.901	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	232672	53.147	ug/L	99
47) Tetrachloroethene	10.87	164	252639	46.533	ug/L	96
49) 2-Hexanone	10.97	43	355836	90.771	ug/L	96
50) Dibromochloromethane	11.13	129	283886	54.281	ug/L	98
51) 1,2-Dibromoethane	11.24	107	220206	51.247	ug/L	96
52) Chlorobenzene	11.66	112	829586	49.112	ug/L	97
53) Ethylbenzene	11.74	91	1518730	50.444	ug/L	98
54) m,p-Xylene	11.85	106	560490	49.721	ug/L	98
55) o-xylene	12.17	106	539308	50.947	ug/L	99
56) Styrene	12.19	104	945071	51.725	ug/L	99
57) Isopropylbenzene	12.47	105	1515044	51.526	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	308590	51.265	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	241076	46.857	ug/L	99
62) Bromoform	12.35	173	180609	51.492	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	664510	49.924	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	676853	49.270	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	627499	49.243	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	57994	41.942	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	518347	49.181	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	431915	49.582	ug/L	100
69) Naphthalene	15.38	128	934832	48.981	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	403951	49.338	ug/L	99

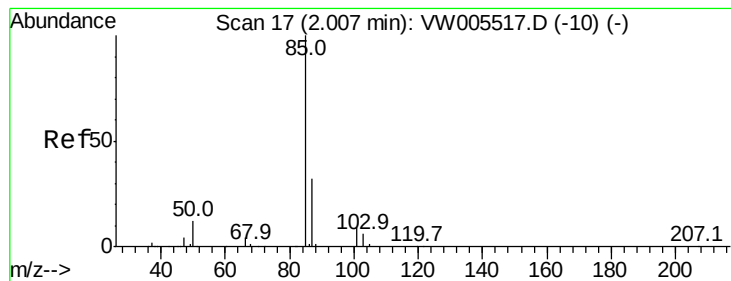
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 36.049 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

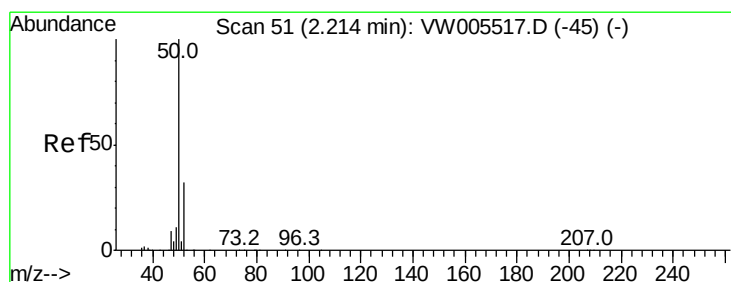
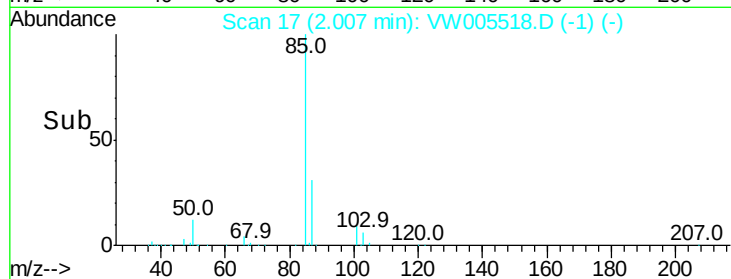
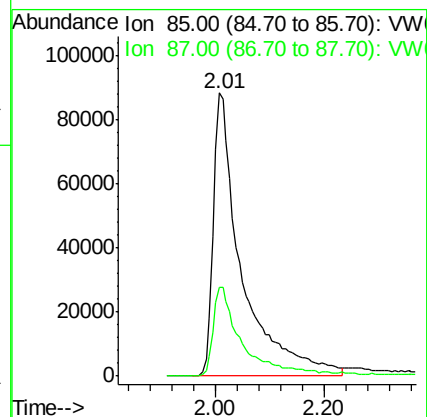
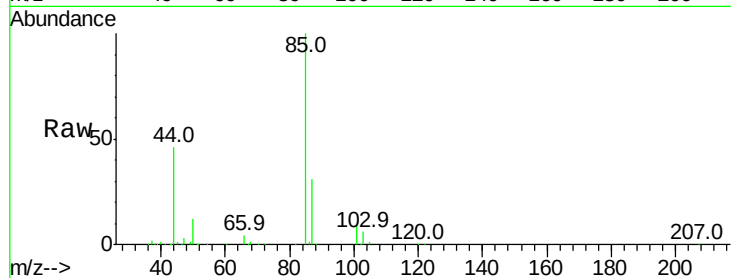
VSTD05094

Tgt Ion: 85 Resp: 320584

Ion Ratio Lower Upper

85 100

87 26.6 21.2 39.4



#3

Chloromethane

Concen: 38.608 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005518.D

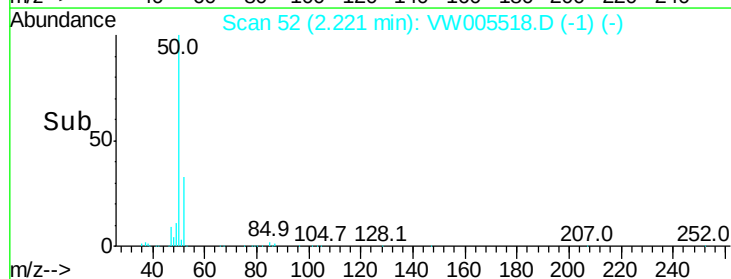
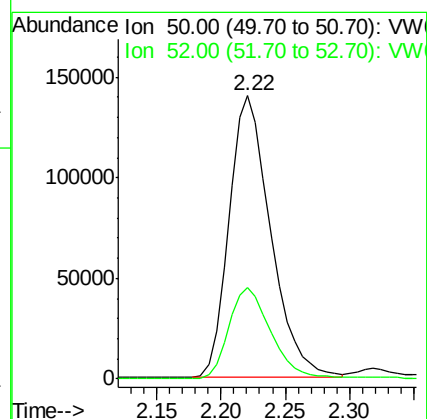
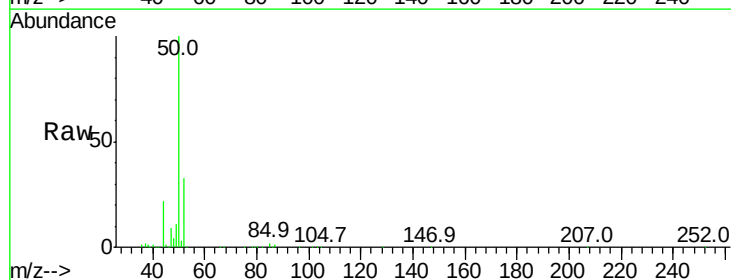
Acq: 19 Sep 2018 16:41

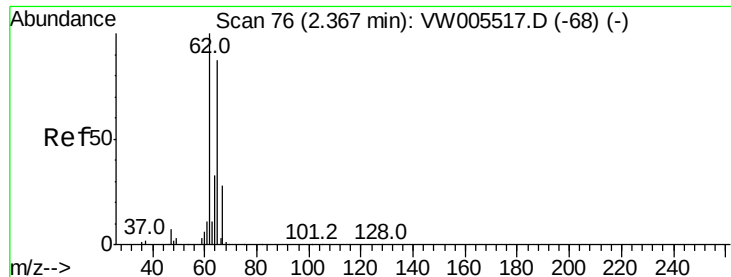
Tgt Ion: 50 Resp: 316161

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6





#5

Vinyl chloride

Concen: 40.737 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

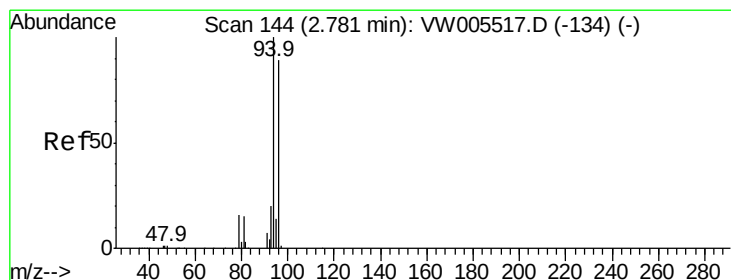
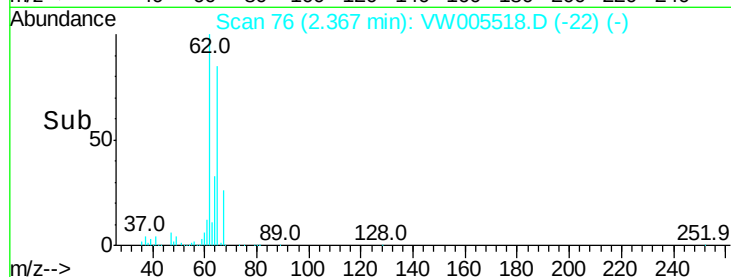
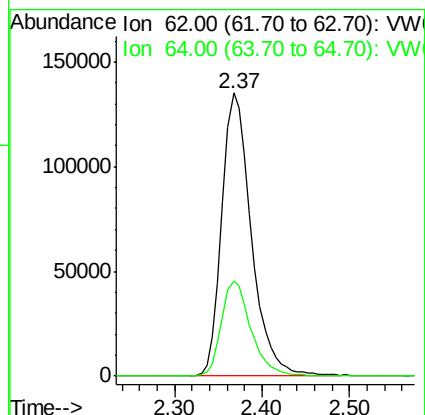
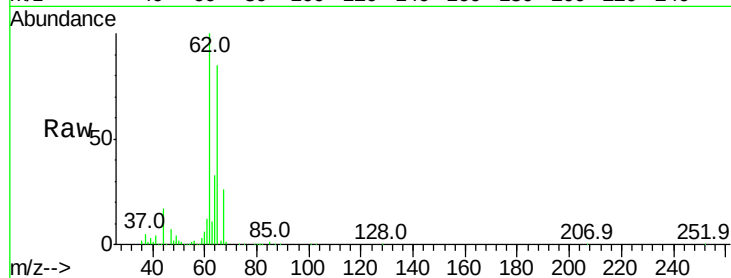
VSTD05094

Tgt Ion: 62 Resp: 317823

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#6

Bromomethane

Concen: 46.097 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005518.D

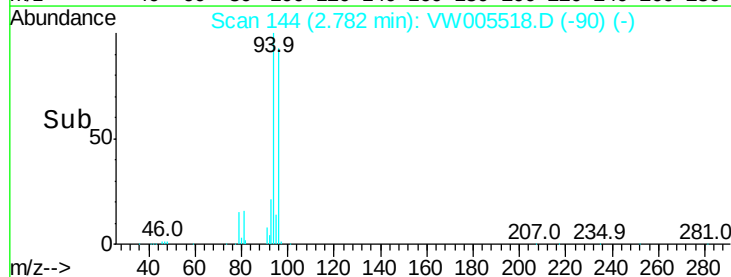
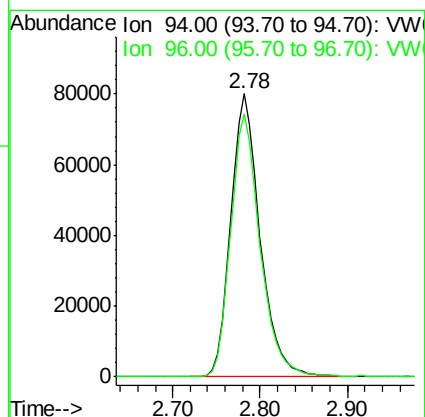
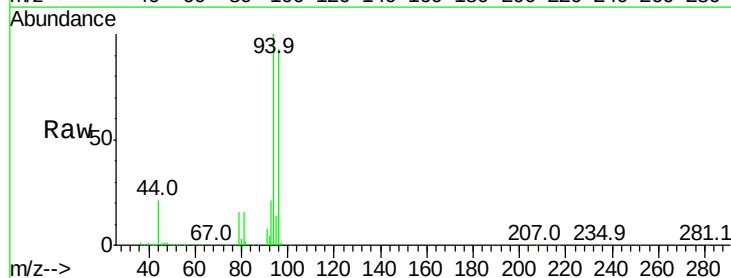
Acq: 19 Sep 2018 16:41

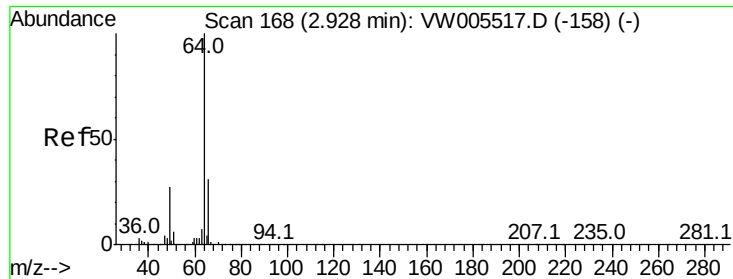
Tgt Ion: 94 Resp: 186325

Ion Ratio Lower Upper

94 100

96 93.5 9.4 178.6

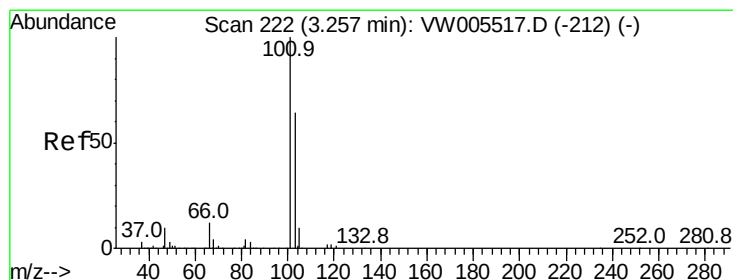
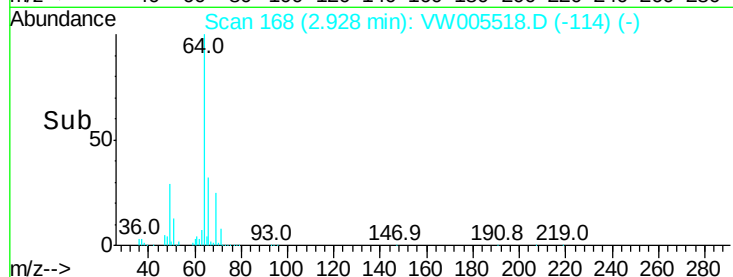
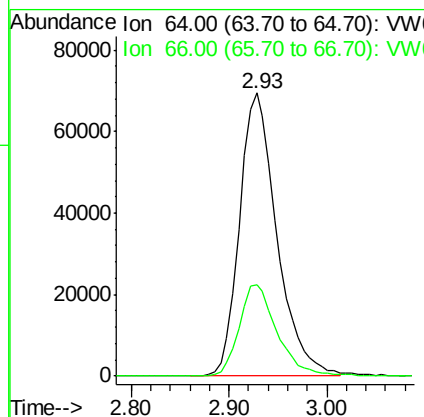
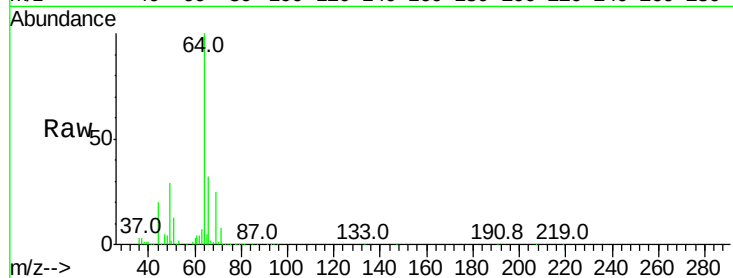




#8
Chloroethane
Concen: 44.402 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

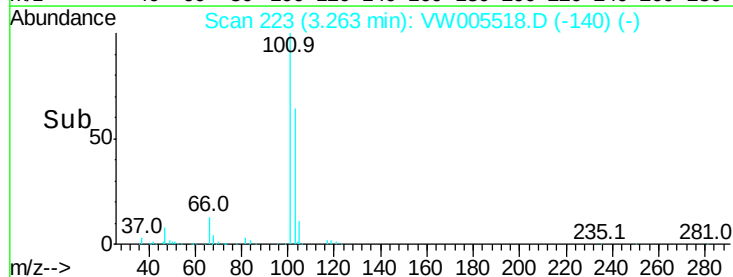
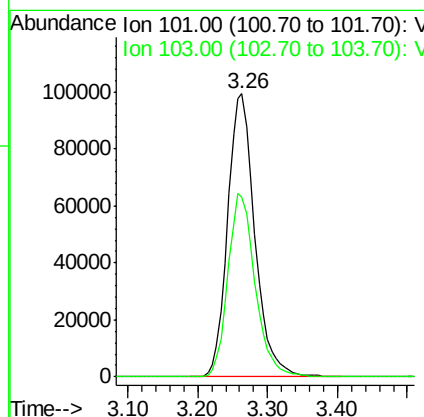
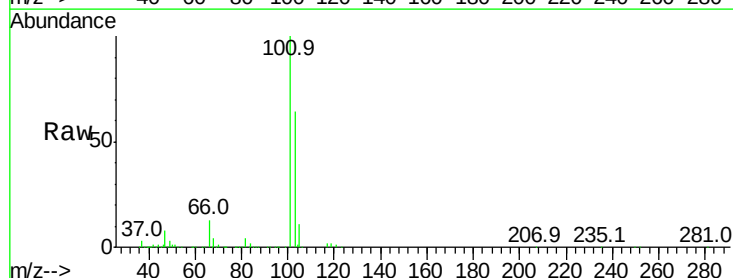
Instrument :
MSVOA_W
ClientSampleId :
VSTD05094

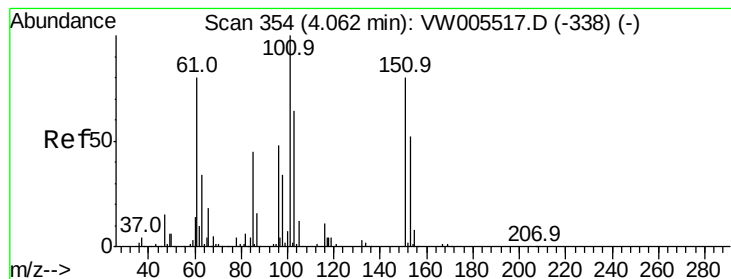
Tgt Ion: 64 Resp: 183997
Ion Ratio Lower Upper
64 100
66 32.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 26.413 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion: 101 Resp: 268393
Ion Ratio Lower Upper
101 100
103 64.8 45.3 84.1





#11

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

Concen: 51.159 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05094

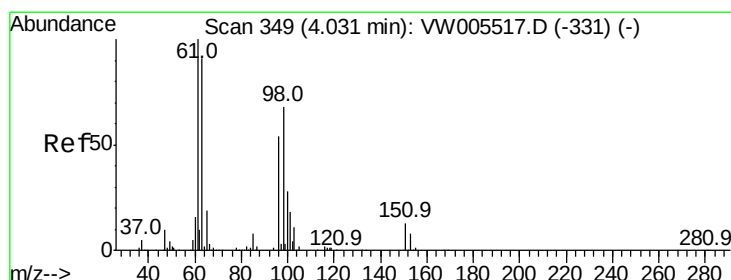
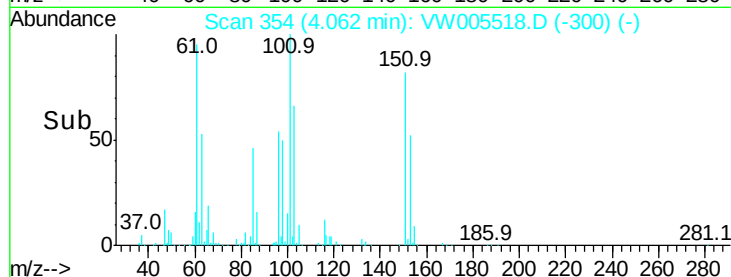
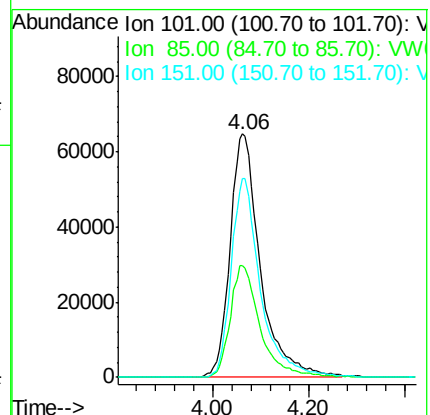
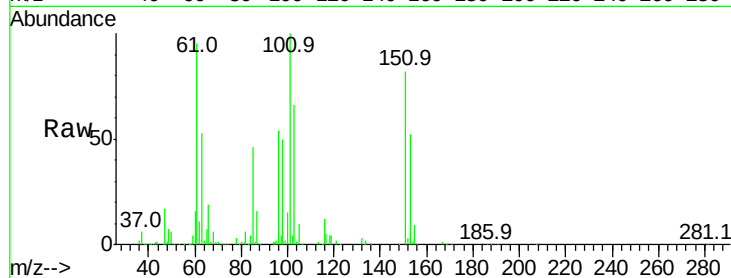
Tgt Ion:101 Resp: 283987

Ion Ratio Lower Upper

101 100

85 42.9 34.7 52.1

151 78.2 61.1 91.7



#12

1,1-Dichloroethene

Concen: 56.659 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

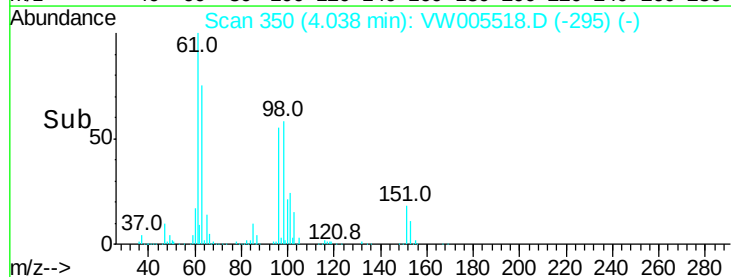
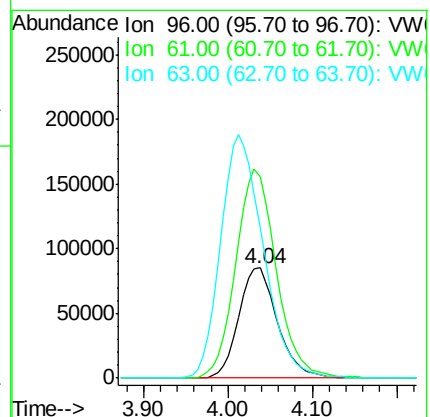
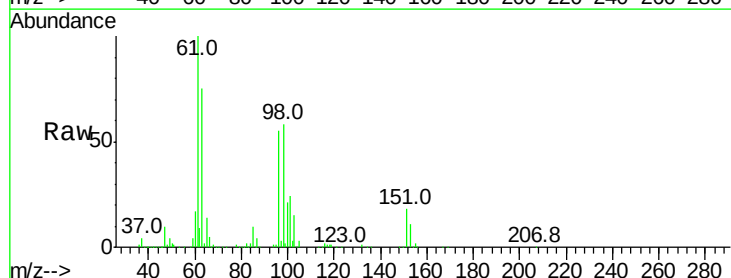
Tgt Ion: 96 Resp: 266007

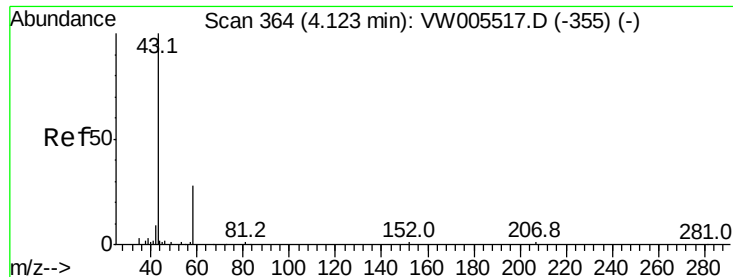
Ion Ratio Lower Upper

96 100

61 182.2 129.5 240.5

63 136.8 117.5 218.3





#13

Acetone

Concen: 80.899 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

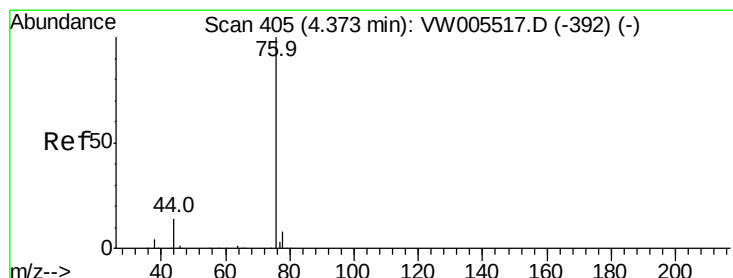
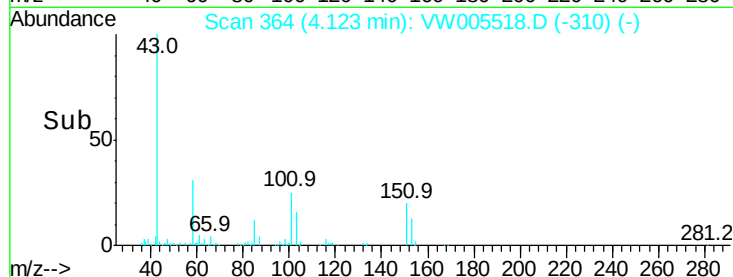
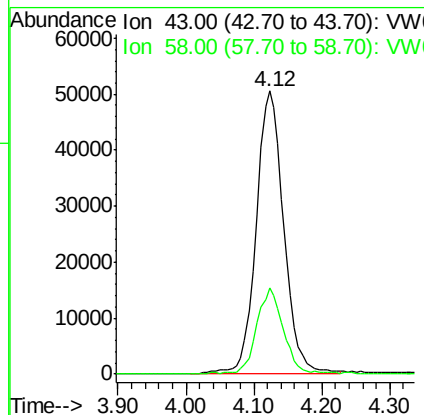
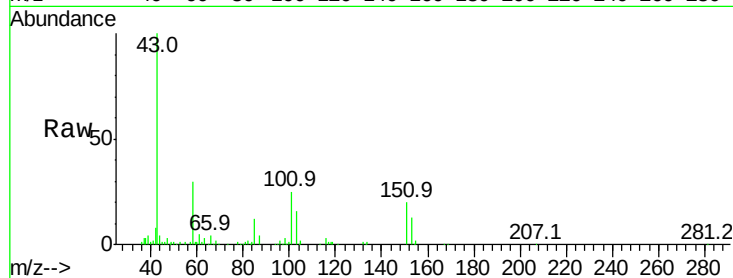
VSTD05094

Tgt Ion: 43 Resp: 142432

Ion Ratio Lower Upper

43 100

58 28.3 0.0 59.2



#14

Carbon disulfide

Concen: 46.735 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005518.D

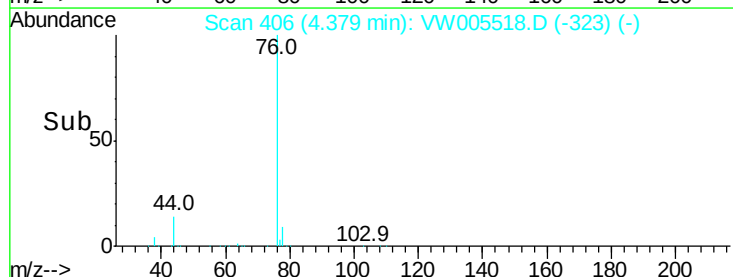
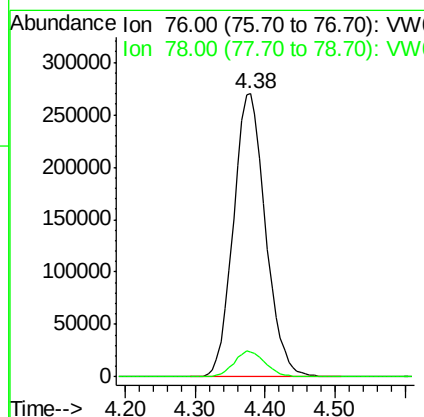
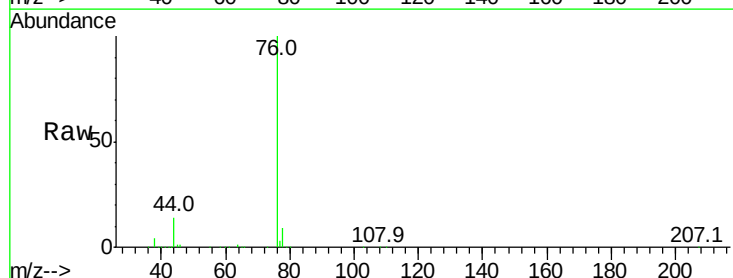
Acq: 19 Sep 2018 16:41

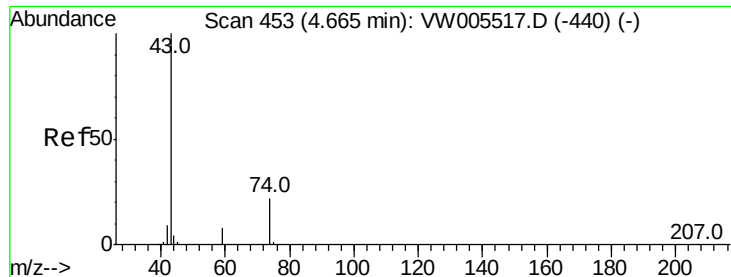
Tgt Ion: 76 Resp: 861409

Ion Ratio Lower Upper

76 100

78 9.0 6.7 10.1





#15

Methyl Acetate

Concen: 44.677 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

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ClientSampleId :

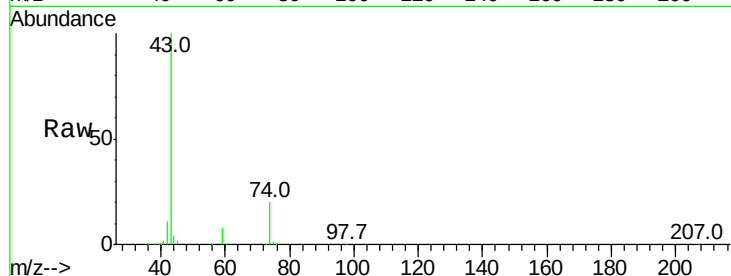
VSTD05094

Tgt Ion: 43 Resp: 173535

Ion Ratio Lower Upper

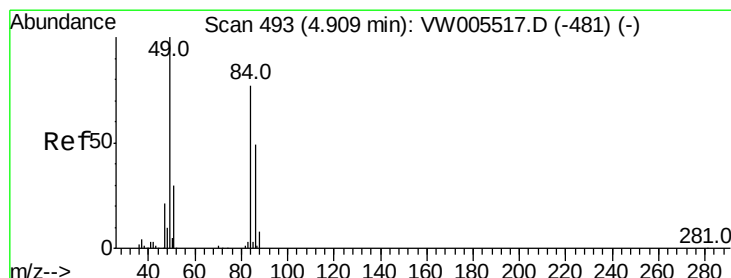
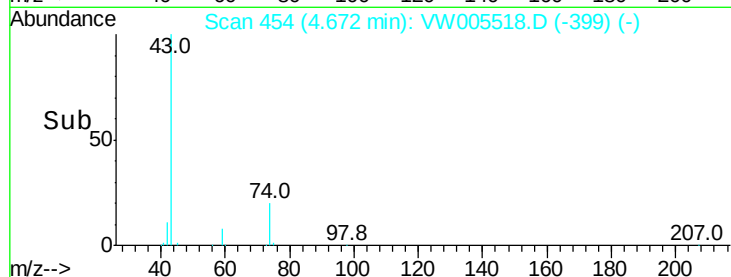
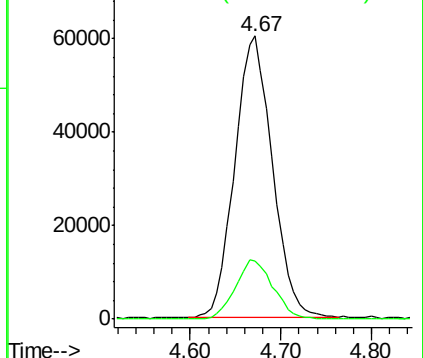
43 100

74 21.0 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 34.840 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

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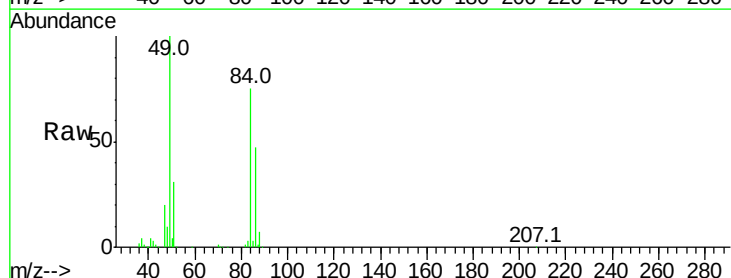
Tgt Ion: 84 Resp: 285426

Ion Ratio Lower Upper

84 100

49 133.9 91.5 169.9

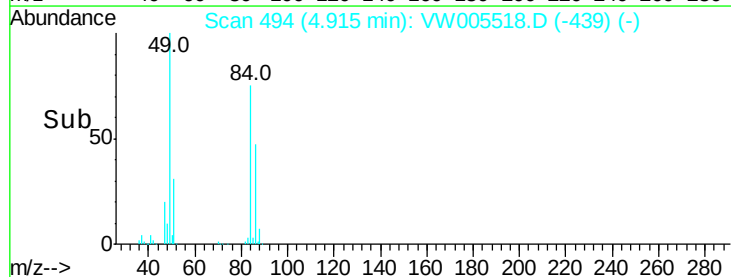
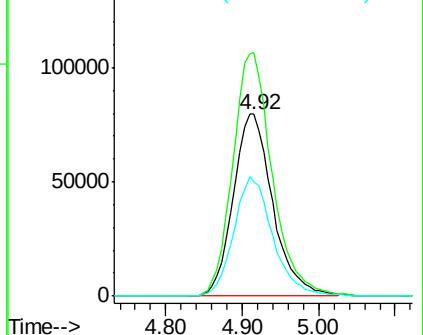
86 63.2 44.8 83.2

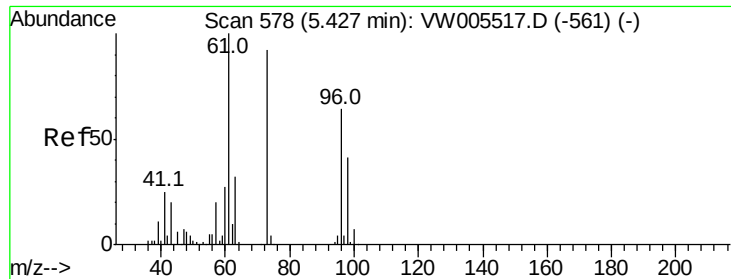


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

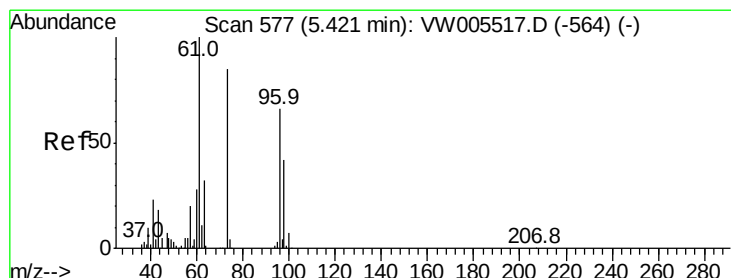
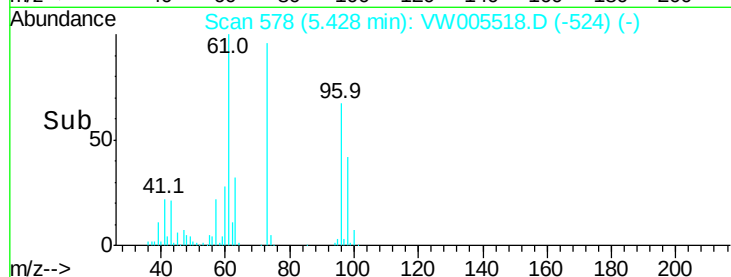
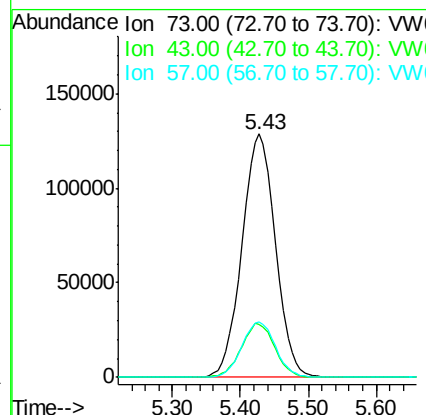
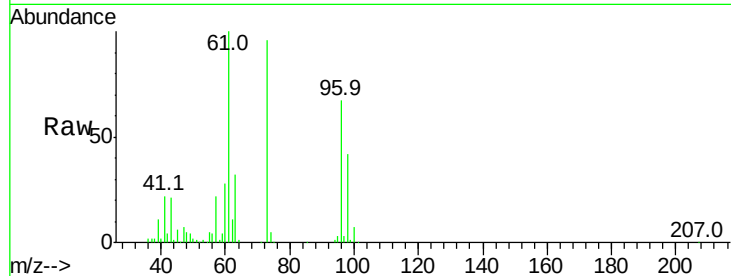




#17
Methyl tert-butyl Ether
Concen: 33.777 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

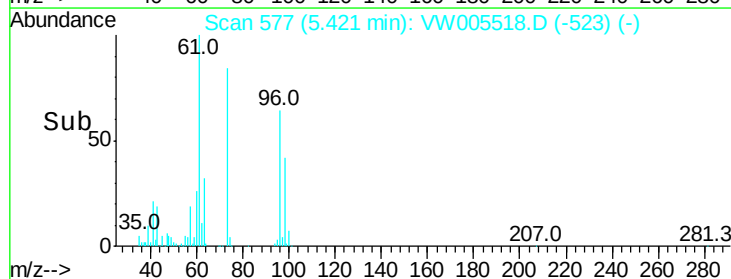
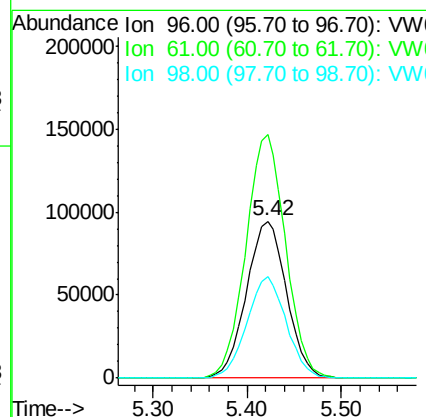
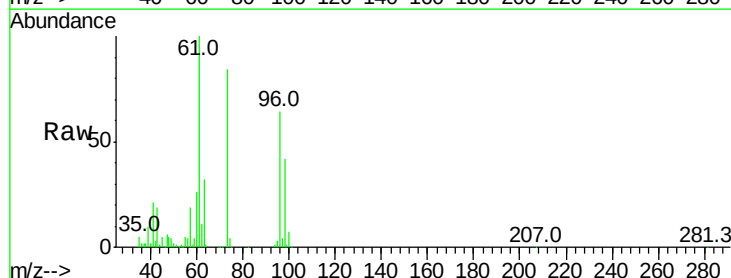
Instrument :
MSVOA_W
ClientSampled :
VSTD05094

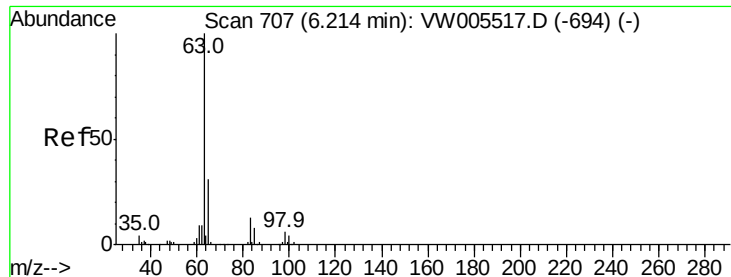
Tgt Ion: 73 Resp: 440219
Ion Ratio Lower Upper
73 100
43 22.1 17.6 26.4
57 23.0 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 53.846 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion: 96 Resp: 282280
Ion Ratio Lower Upper
96 100
61 155.4 105.4 195.8
98 65.0 44.1 81.9





#19

1,1-Dichloroethane

Concen: 56.984 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05094

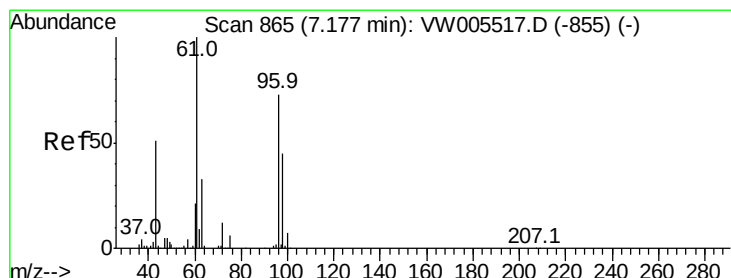
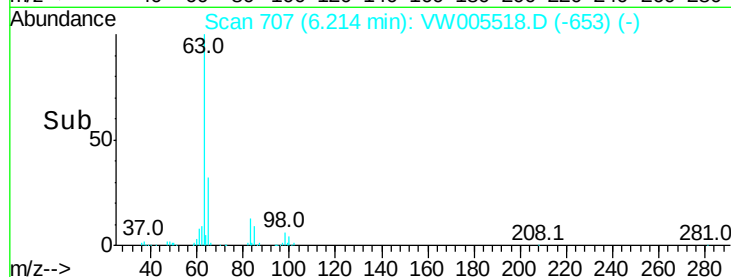
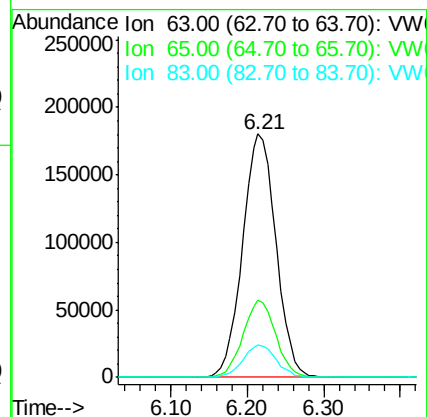
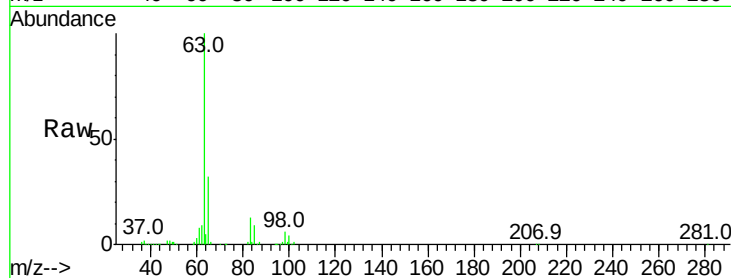
Tgt Ion: 63 Resp: 545891

Ion Ratio Lower Upper

63 100

65 31.6 21.4 39.8

83 13.2 8.9 16.5



#21

2-Butanone

Concen: 83.365 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005518.D

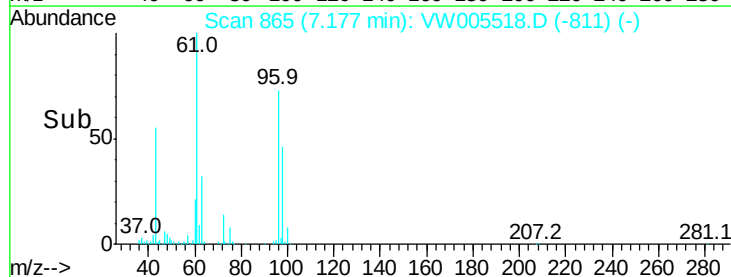
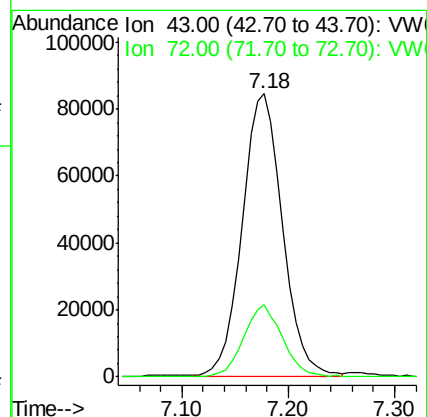
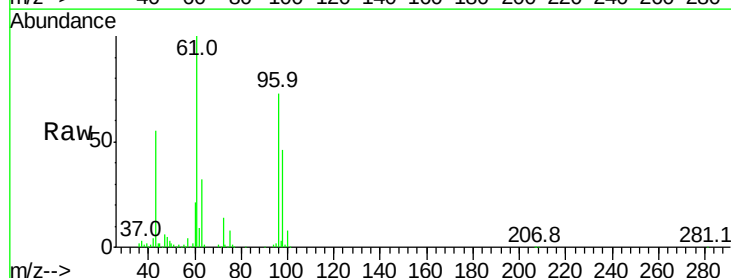
Acq: 19 Sep 2018 16:41

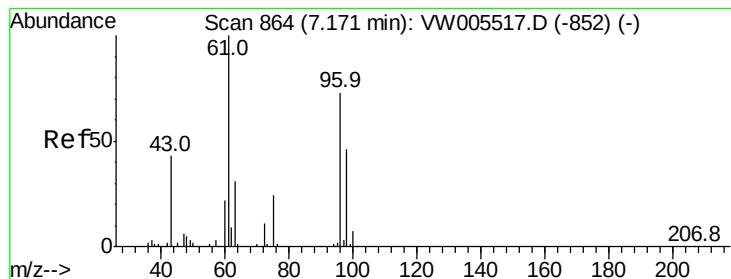
Tgt Ion: 43 Resp: 224935

Ion Ratio Lower Upper

43 100

72 24.5 12.6 37.6



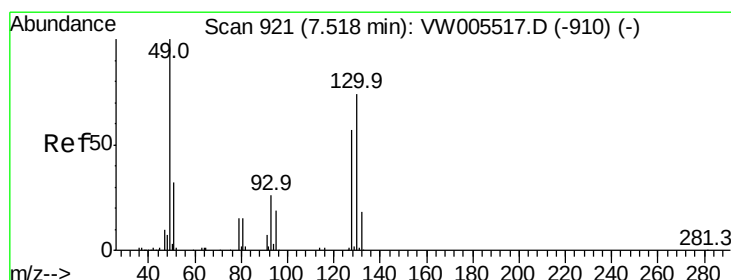
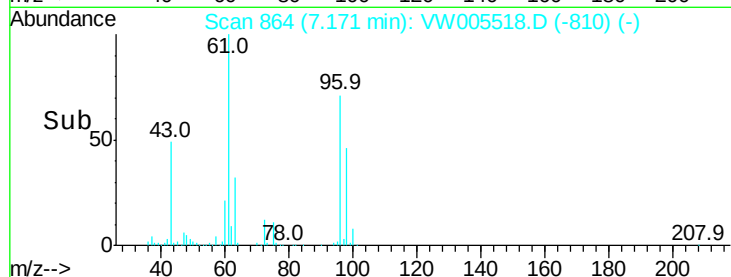
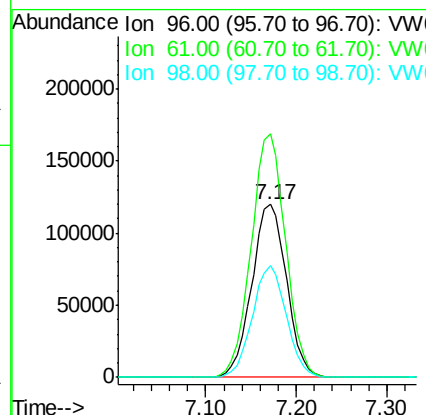
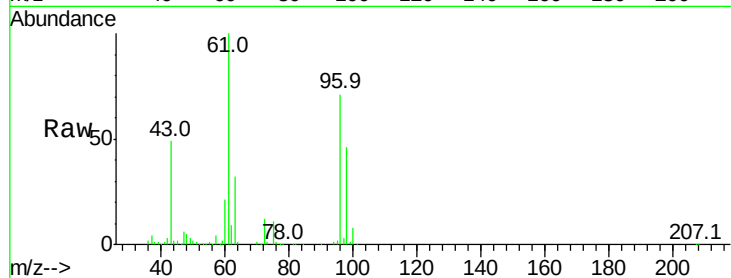


#22

cis-1,2-Dichloroethene
Concen: 56.760 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Instrument :
MSVOA_W
ClientSampled :
VSTD05094

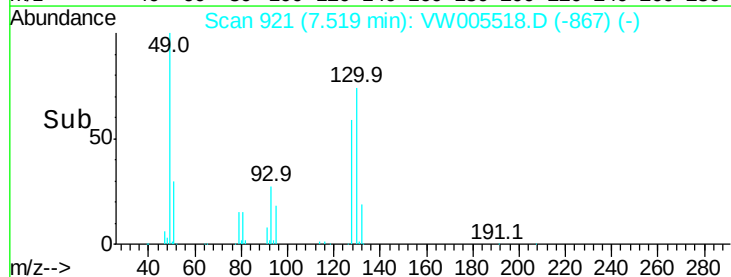
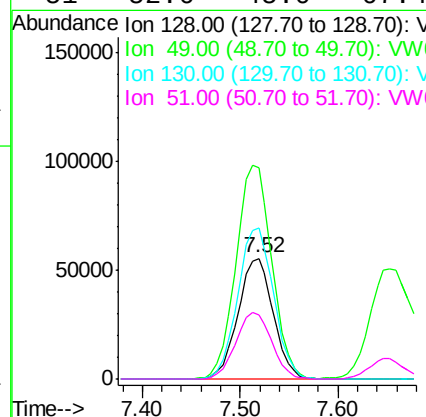
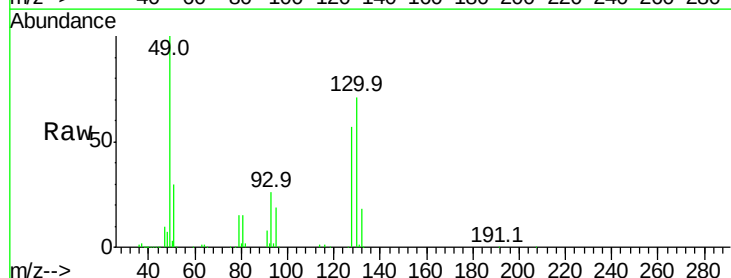
Tgt Ion: 96 Resp: 317574
Ion Ratio Lower Upper
96 100
61 140.7 96.5 179.1
98 64.9 44.1 81.9

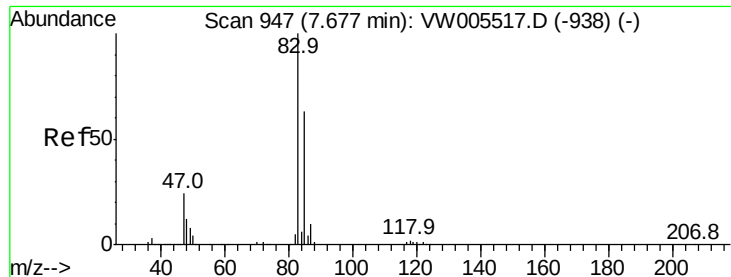


#23

Bromochloromethane
Concen: 52.864 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion: 128 Resp: 137838
Ion Ratio Lower Upper
128 100
49 174.9 122.0 226.6
130 124.8 89.9 167.0
51 52.6 45.0 67.4

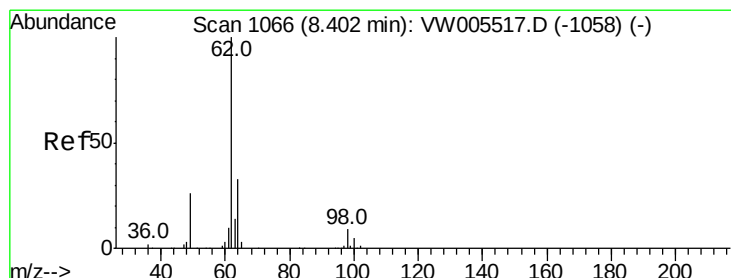
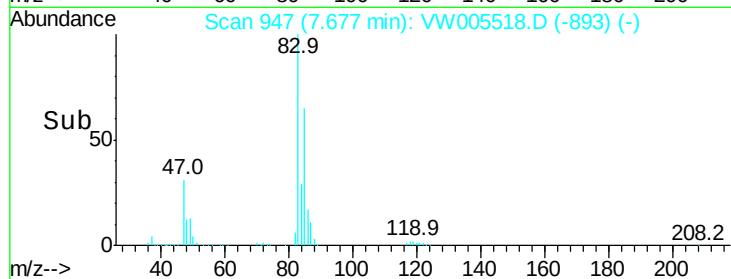
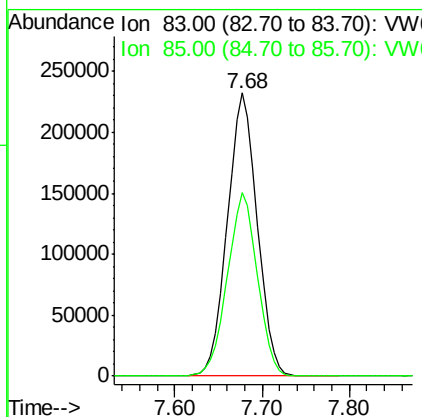
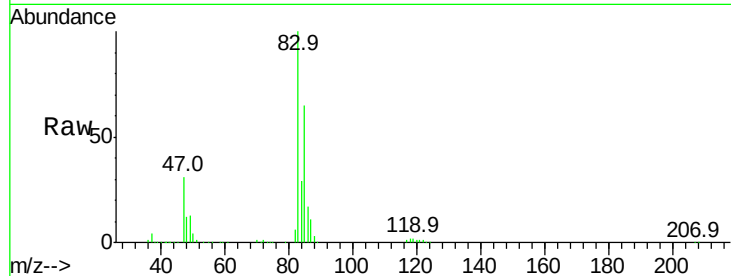




#25
Chloroform
Concen: 54.651 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

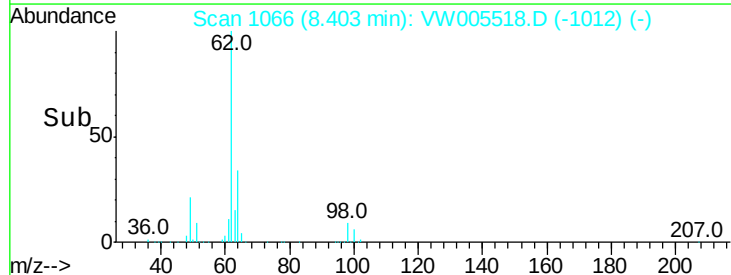
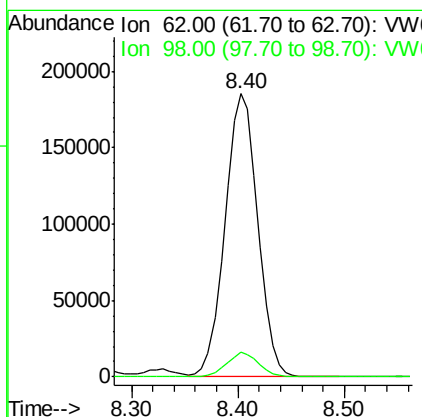
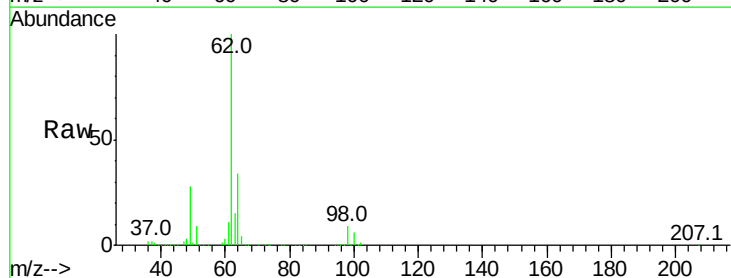
Instrument :
MSVOA_W
ClientSampleId :
VSTD05094

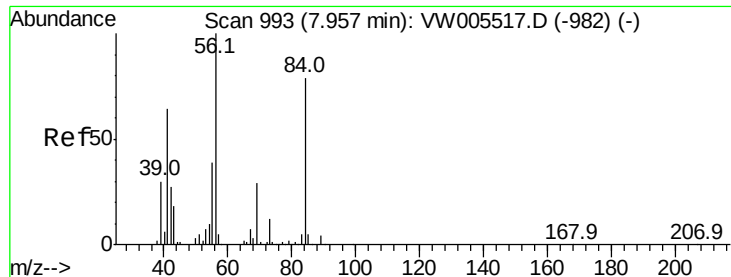
Tgt Ion: 83 Resp: 550563
Ion Ratio Lower Upper
83 100
85 65.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 50.877 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion: 62 Resp: 397856
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2

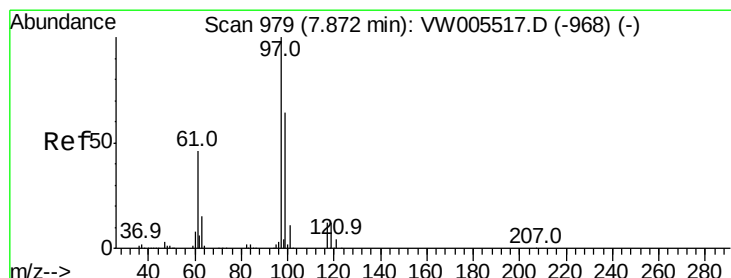
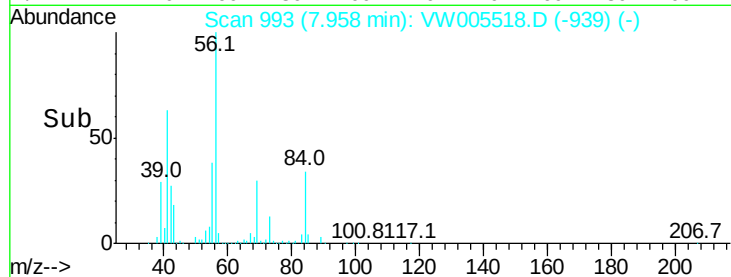
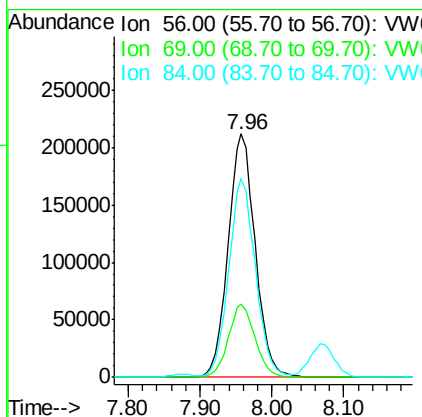
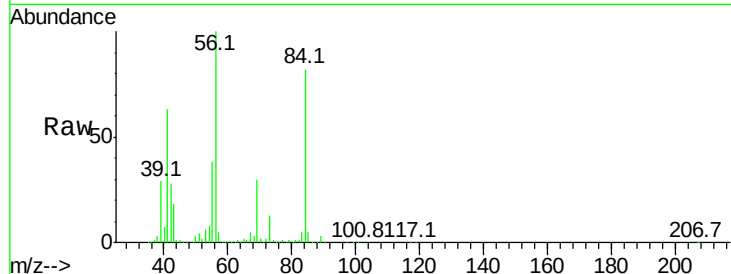




#30
Cyclohexane
Concen: 60.373 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

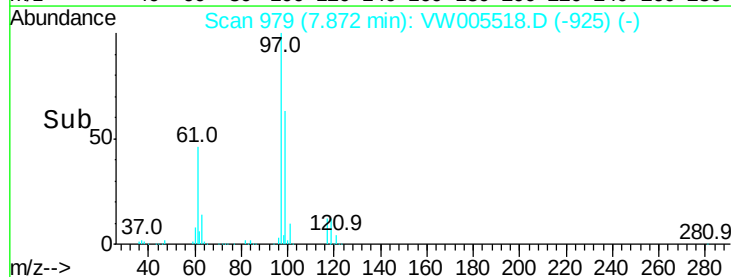
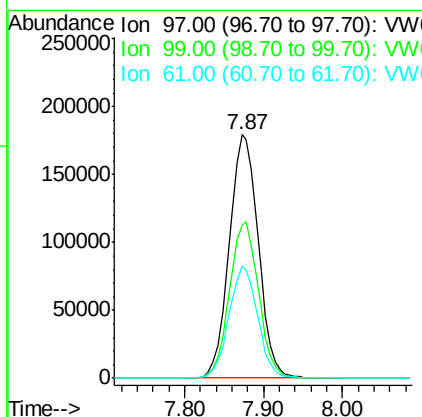
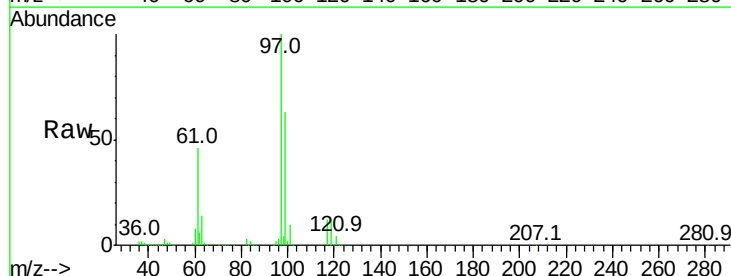
Instrument :
MSVOA_W
ClientSampled :
VSTD05094

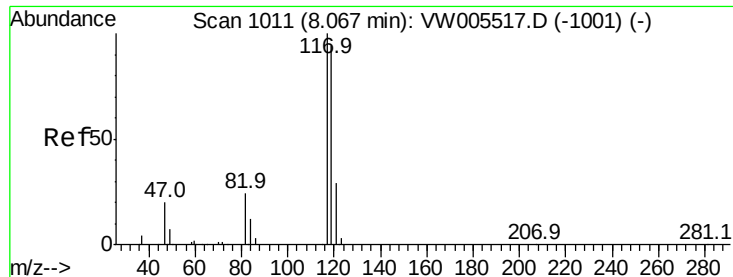
Tgt Ion: 56 Resp: 552804
Ion Ratio Lower Upper
56 100
69 29.5 23.6 35.4
84 80.6 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 49.767 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion: 97 Resp: 458852
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 45.5 37.0 55.4





#32

Carbon tetrachloride

Concen: 51.537 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

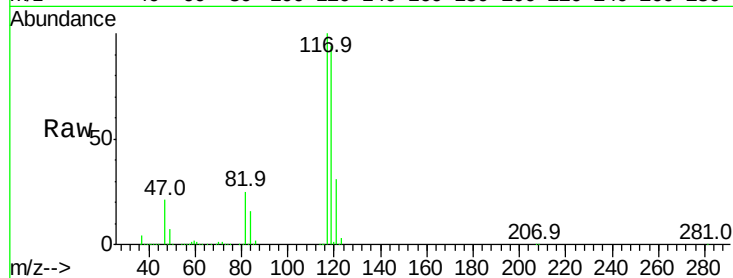
VSTD05094

Tgt Ion:117 Resp: 440831

Ion Ratio Lower Upper

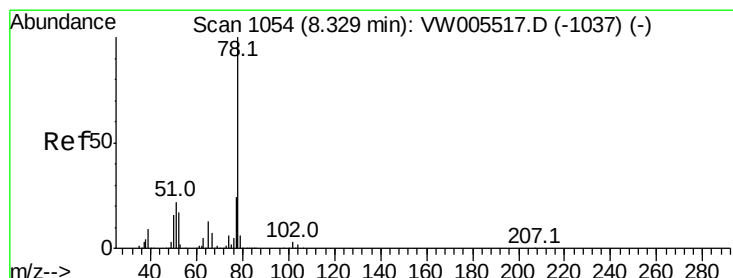
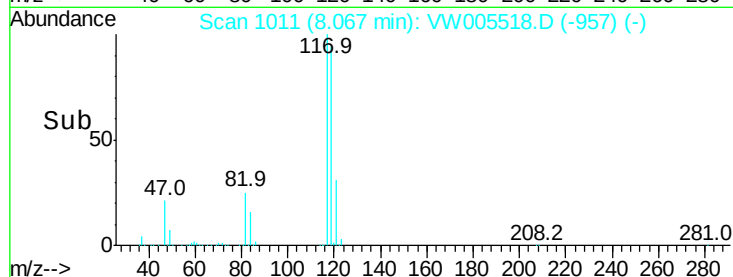
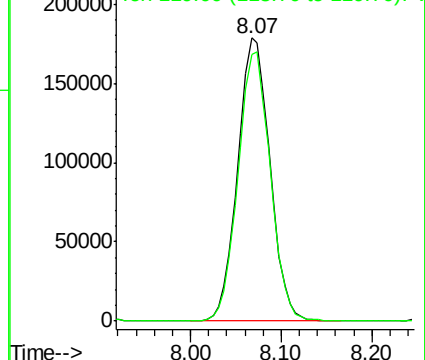
117 100

119 95.0 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 54.136 ug/L

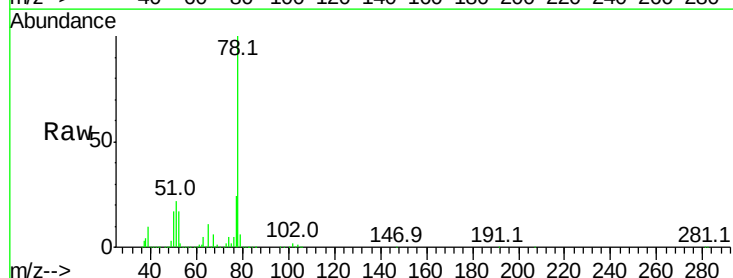
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

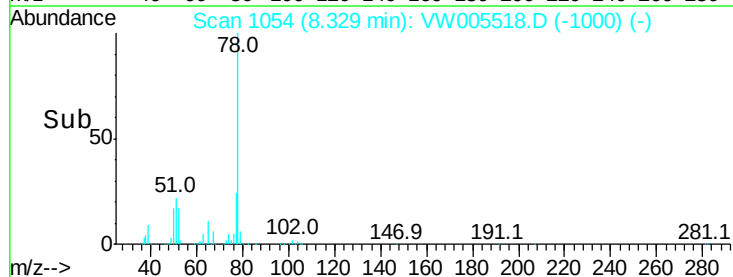
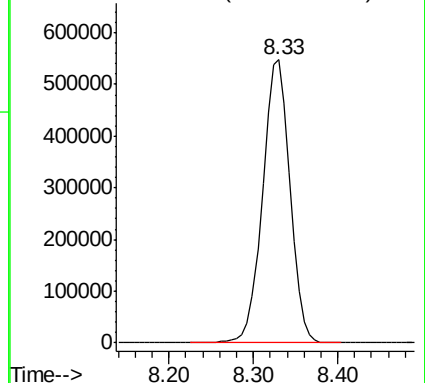
Lab File: VW005518.D

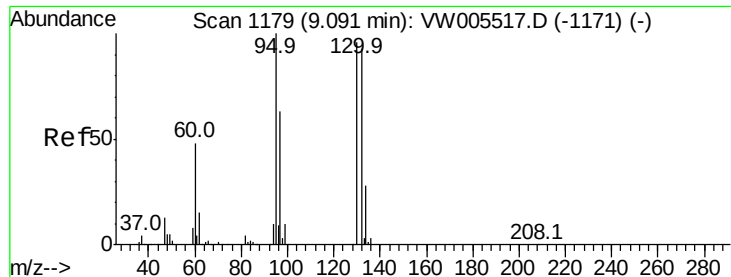
Acq: 19 Sep 2018 16:41

Tgt Ion: 78 Resp: 1223054



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 52.474 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

VSTD05094

Tgt Ion: 95 Resp: 314656

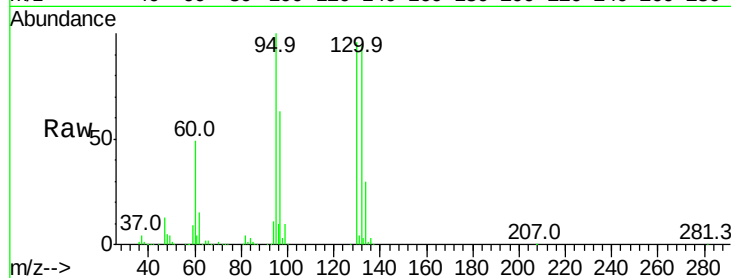
Ion Ratio Lower Upper

95 100

97 63.8 45.0 83.6

132 93.9 66.4 123.2

130 98.3 68.6 127.4

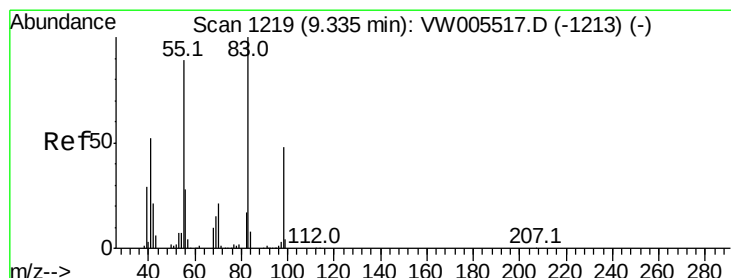
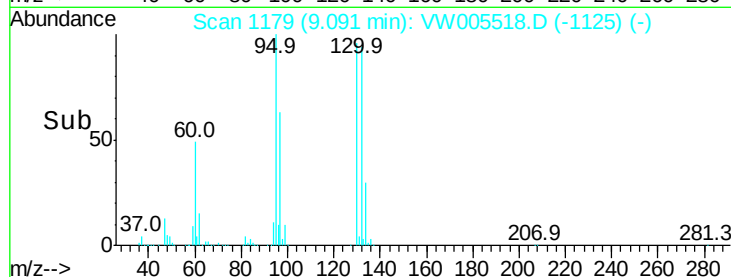
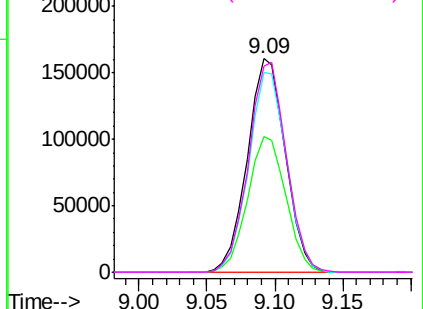


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 56.426 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

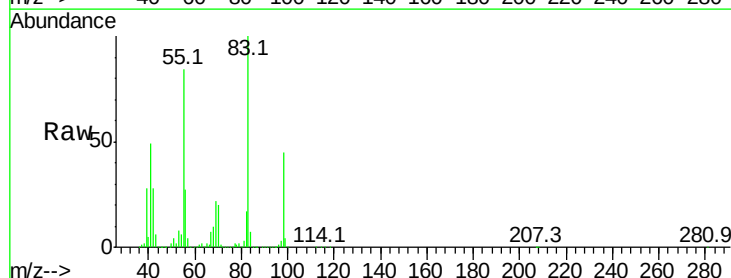
Tgt Ion: 83 Resp: 587264

Ion Ratio Lower Upper

83 100

55 82.9 66.4 99.6

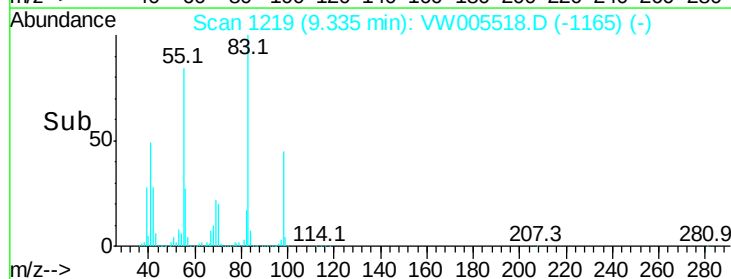
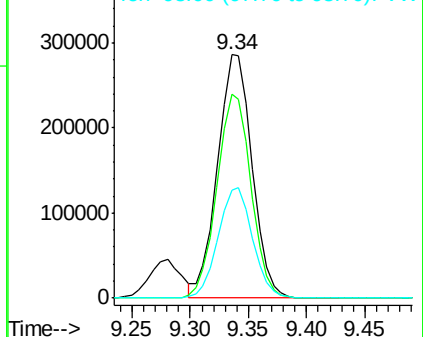
98 45.1 36.3 54.5

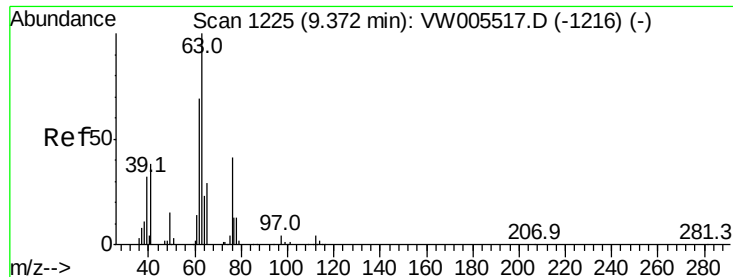


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 57.665 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

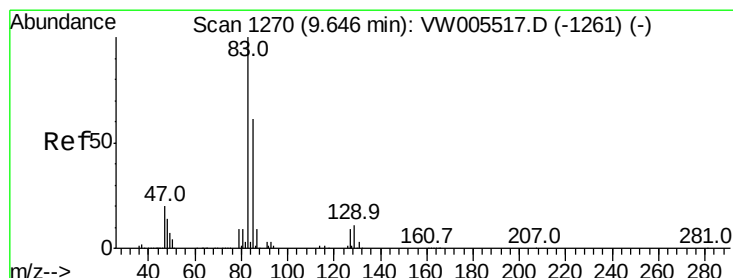
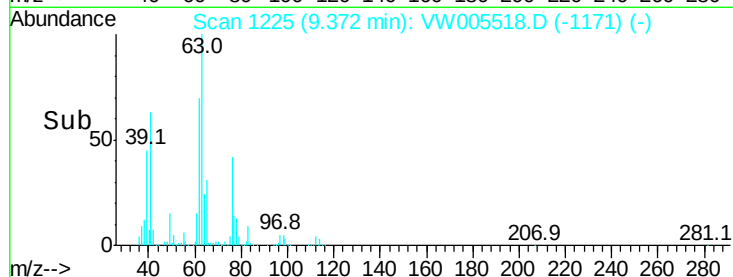
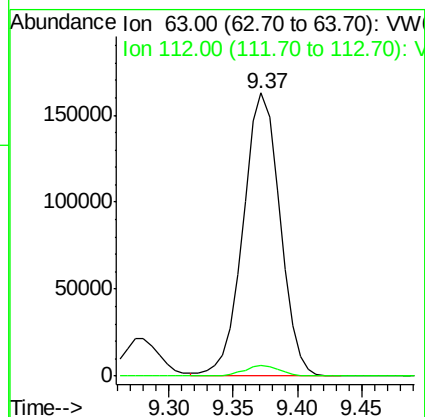
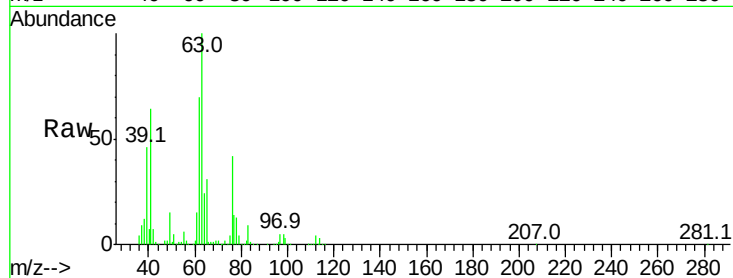
VSTD05094

Tgt Ion: 63 Resp: 321617

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#41

Bromodichloromethane

Concen: 55.930 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

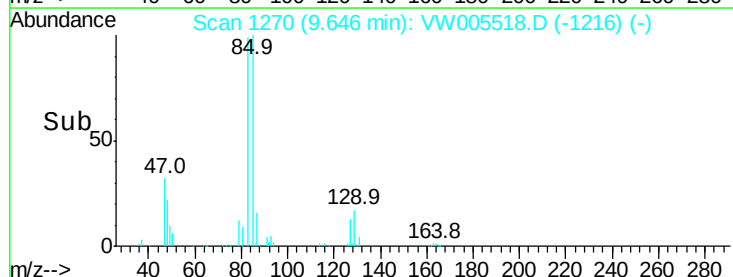
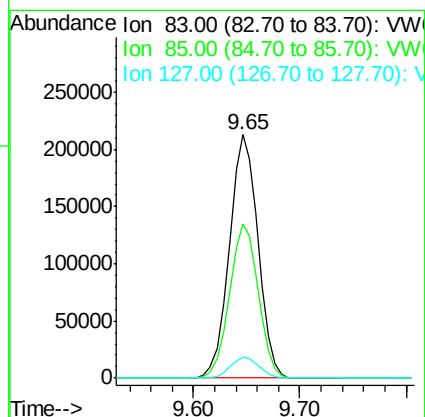
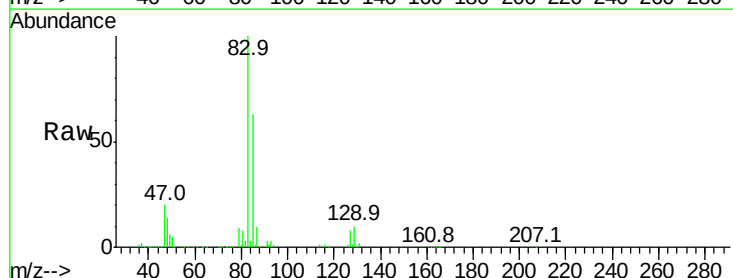
Tgt Ion: 83 Resp: 399875

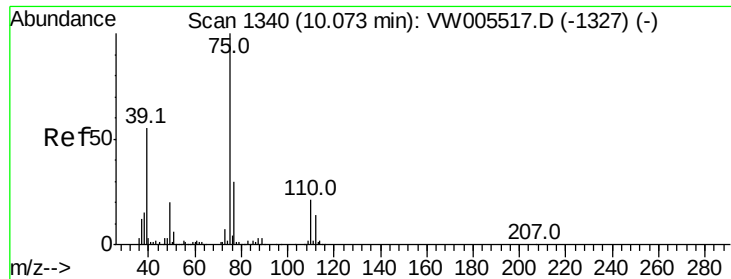
Ion Ratio Lower Upper

83 100

85 63.2 43.0 80.0

127 8.4 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 60.682 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

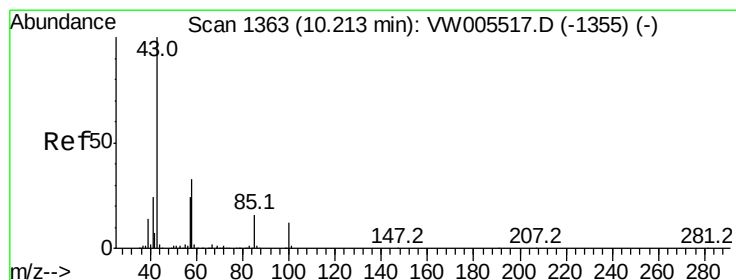
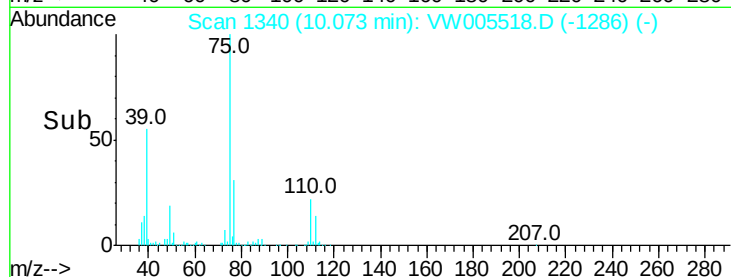
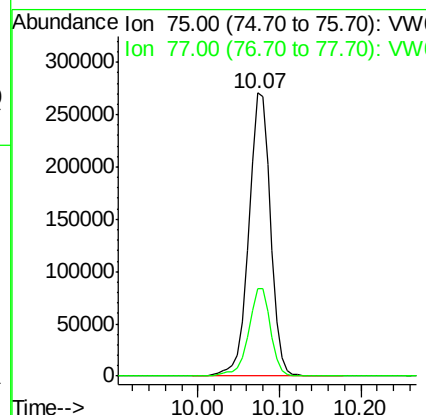
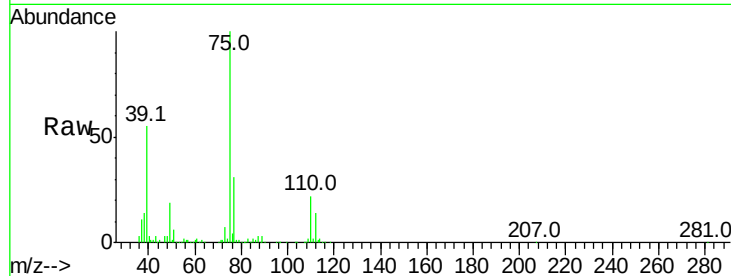
VSTD05094

Tgt Ion: 75 Resp: 499905

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 93.220 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

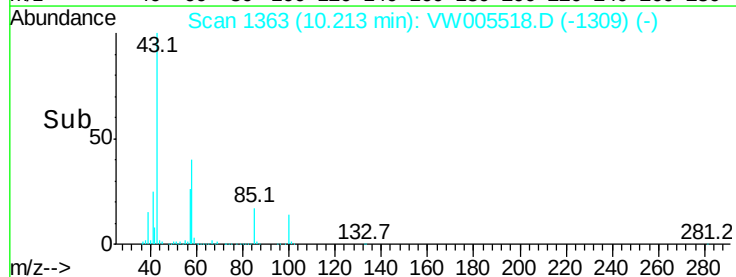
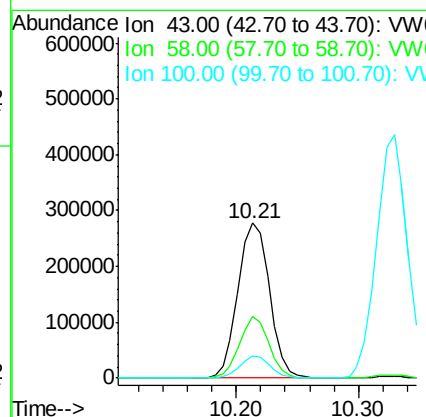
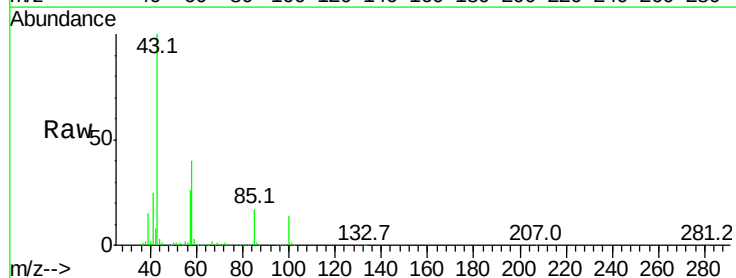
Tgt Ion: 43 Resp: 497085

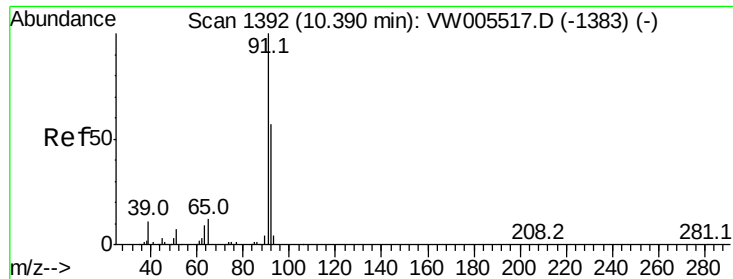
Ion Ratio Lower Upper

43 100

58 37.1 29.2 43.8

100 13.5 10.8 16.2





#44

Toluene

Concen: 50.432 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

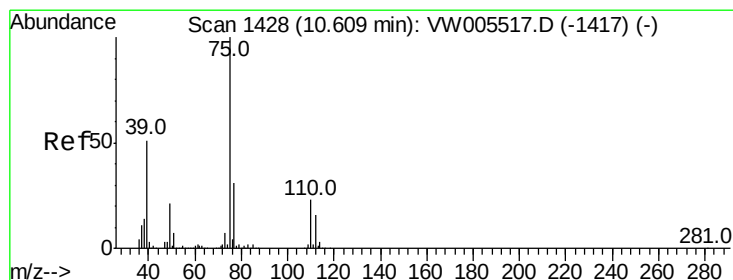
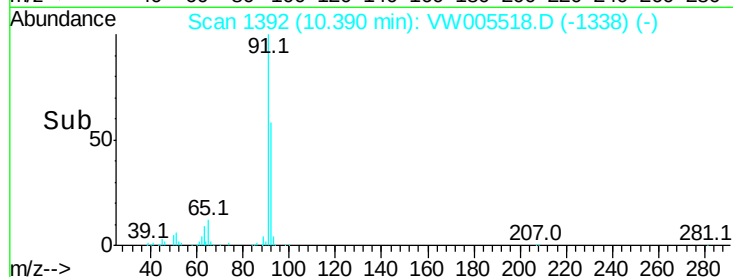
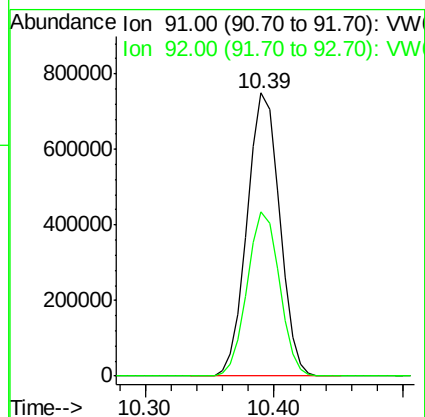
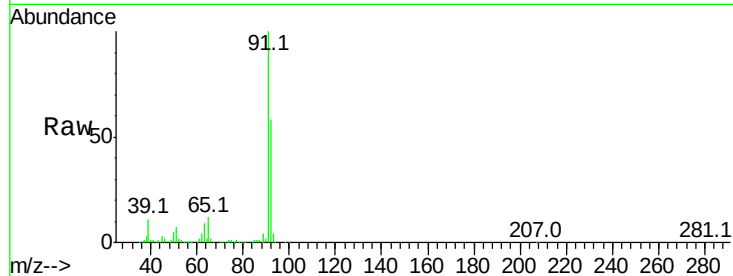
VSTD05094

Tgt Ion: 91 Resp: 1305508

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 57.901 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005518.D

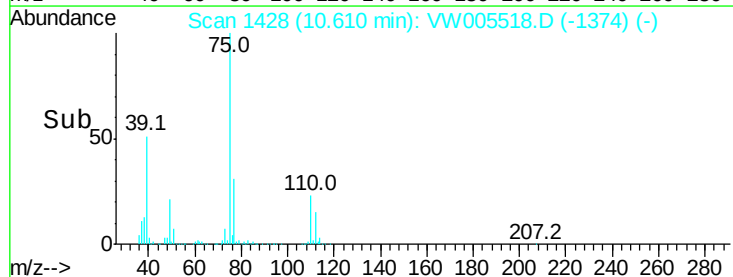
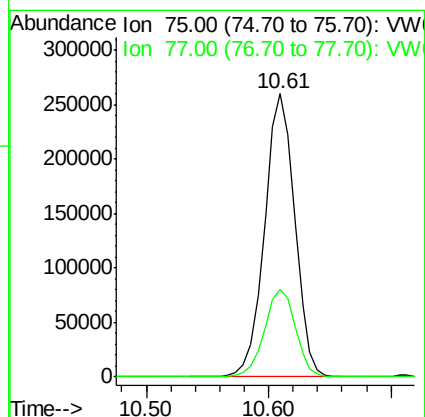
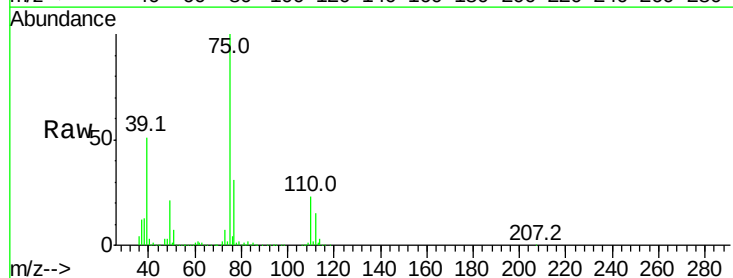
Acq: 19 Sep 2018 16:41

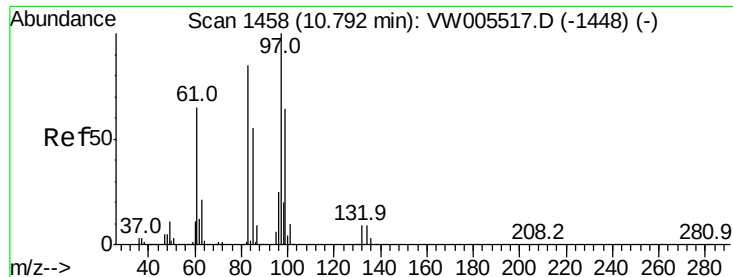
Tgt Ion: 75 Resp: 446903

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 53.147 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05094

Tgt Ion: 97 Resp: 232672

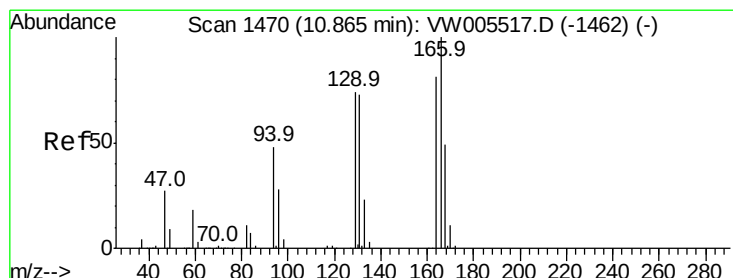
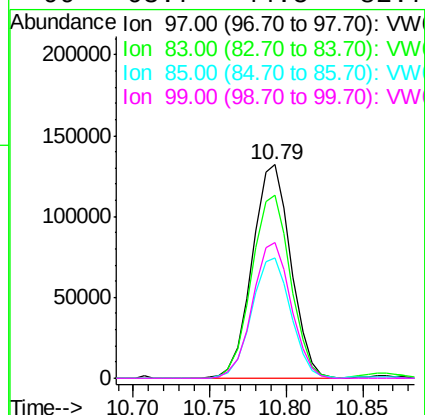
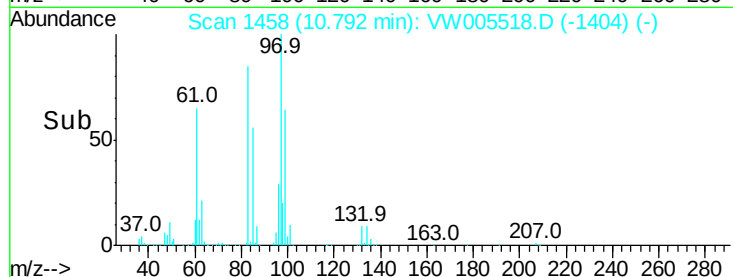
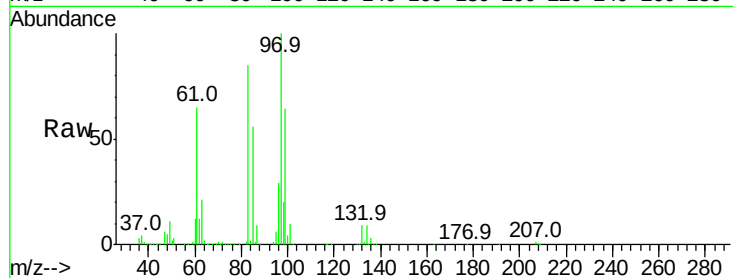
Ion Ratio Lower Upper

97 100

83 85.5 59.5 110.5

85 56.4 38.4 71.2

99 63.7 44.5 82.7



#47

Tetrachloroethene

Concen: 46.533 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Tgt Ion: 164 Resp: 252639

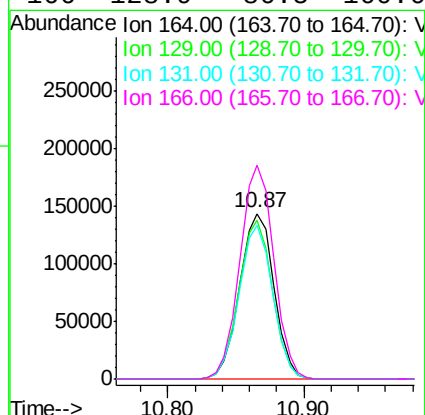
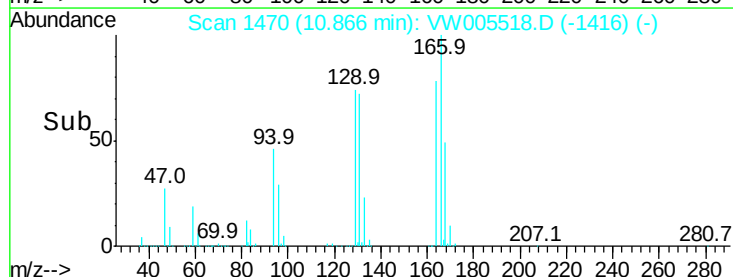
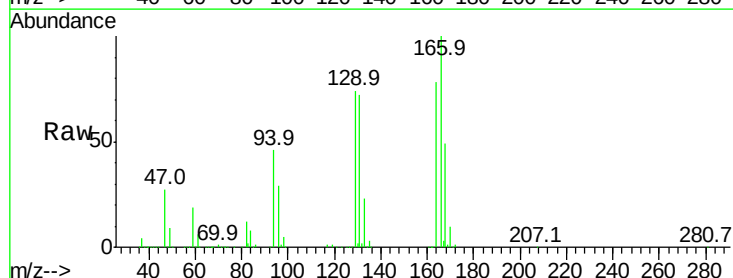
Ion Ratio Lower Upper

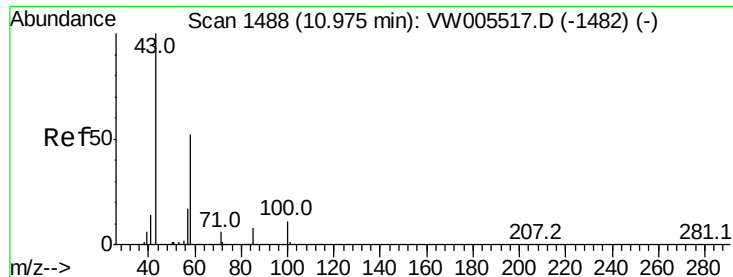
164 100

129 95.9 63.7 118.3

131 92.9 63.3 117.5

166 128.9 86.5 160.6

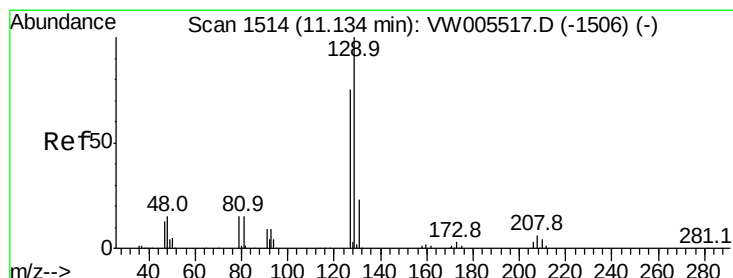
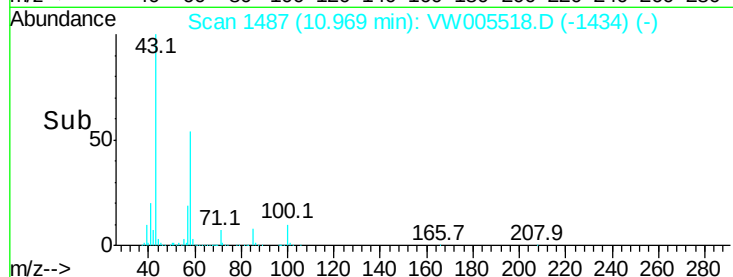
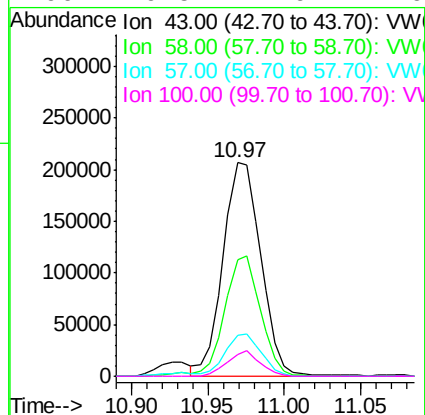
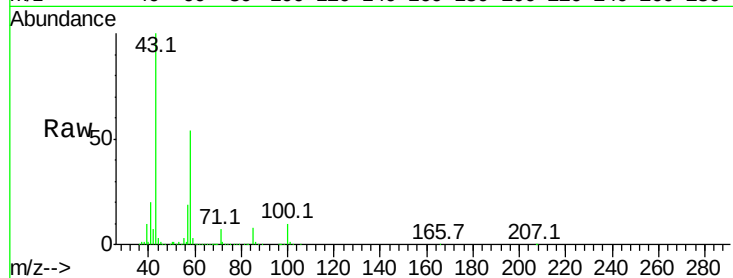




#49
2-Hexanone
Concen: 90.771 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

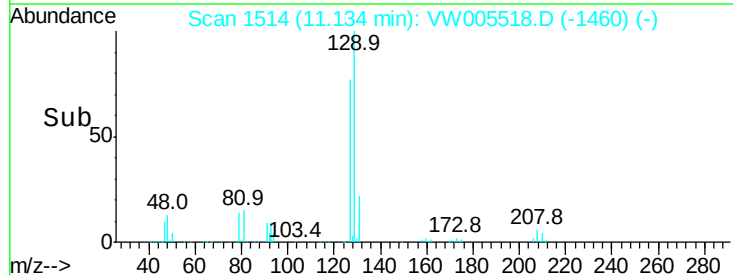
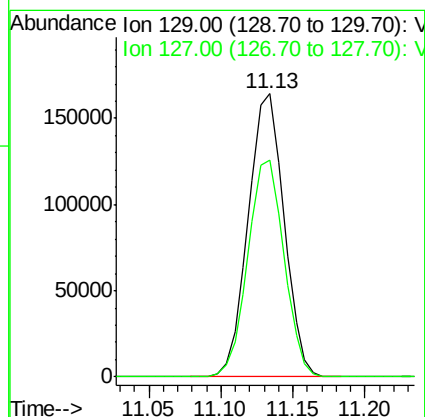
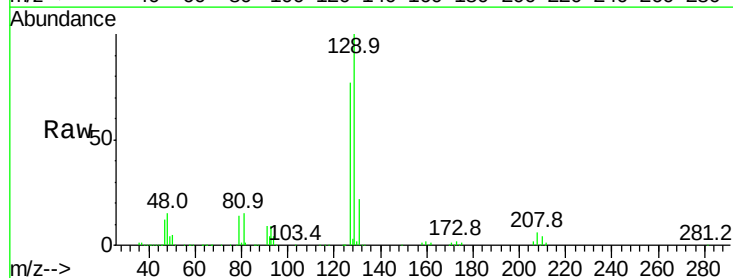
Instrument :
MSVOA_W
ClientSampleId :
VSTD05094

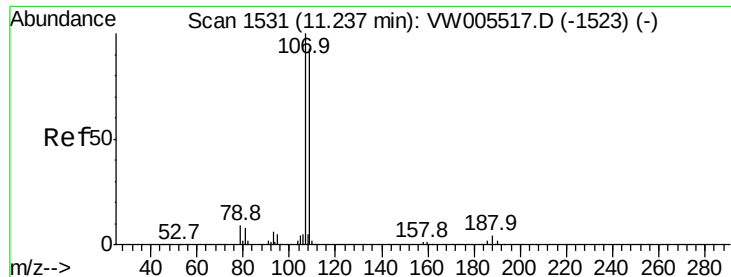
Tgt Ion:	43	Resp:	355836
Ion	Ratio	Lower	Upper
43	100		
58	52.8	40.1	60.1
57	19.2	14.1	21.1
100	10.5	7.9	11.9



#50
Dibromochloromethane
Concen: 54.281 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005518.D
Acq: 19 Sep 2018 16:41

Tgt Ion:	129	Resp:	283886
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5

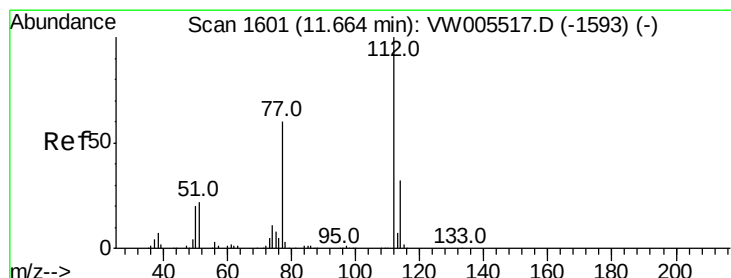
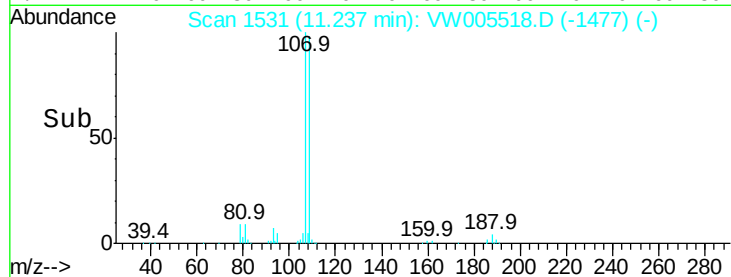
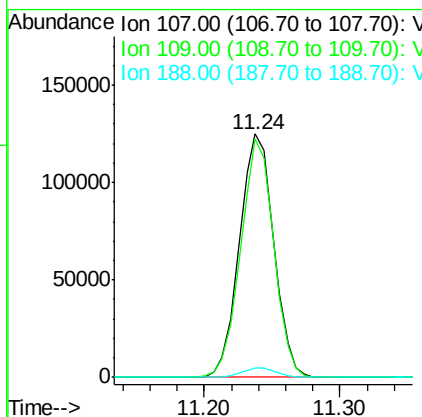
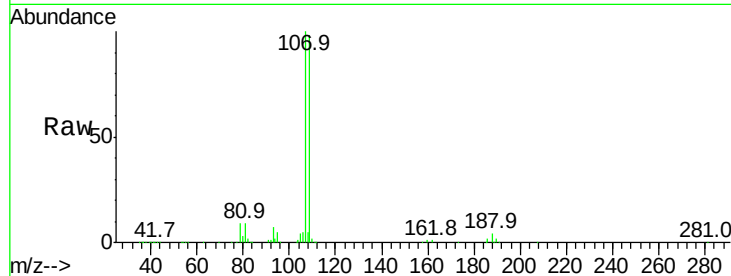




#51
 1,2-Dibromoethane
 Concen: 51.247 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

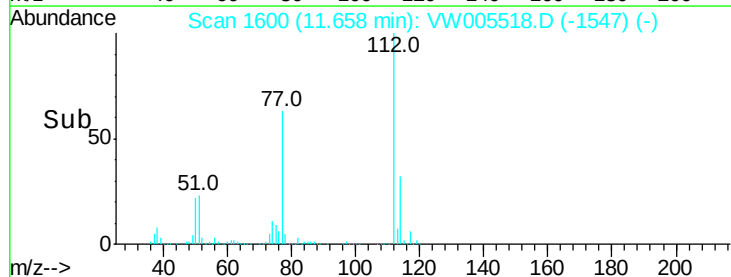
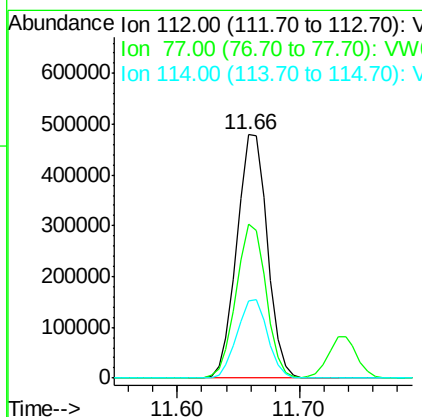
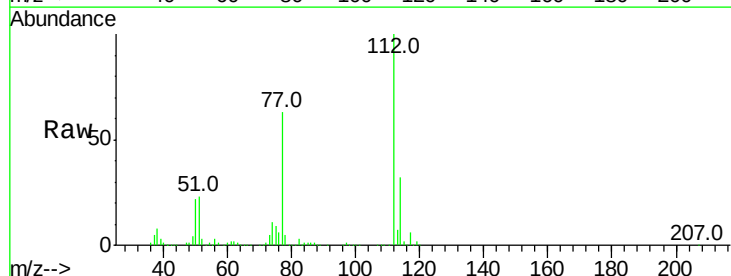
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05094

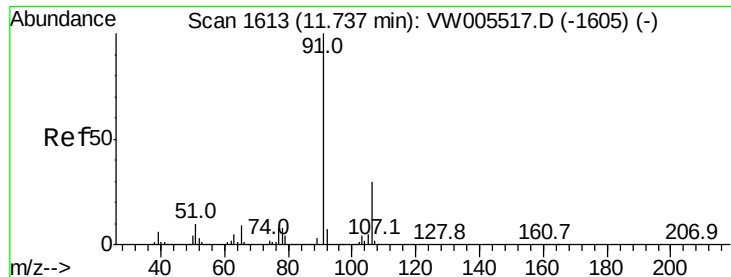
Tgt Ion:107 Resp: 220206
 Ion Ratio Lower Upper
 107 100
 109 97.8 65.4 121.4
 188 3.9 2.9 4.3



#52
 Chlorobenzene
 Concen: 49.112 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

Tgt Ion:112 Resp: 829586
 Ion Ratio Lower Upper
 112 100
 77 63.4 48.5 72.7
 114 31.5 22.5 41.7





#53

Ethylbenzene

Concen: 50.444 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

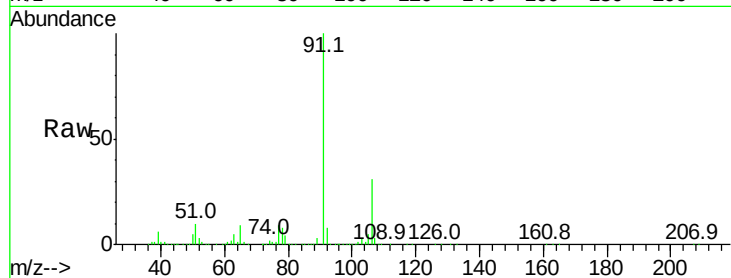
VSTD05094

Tgt Ion: 91 Resp: 1518730

Ion Ratio Lower Upper

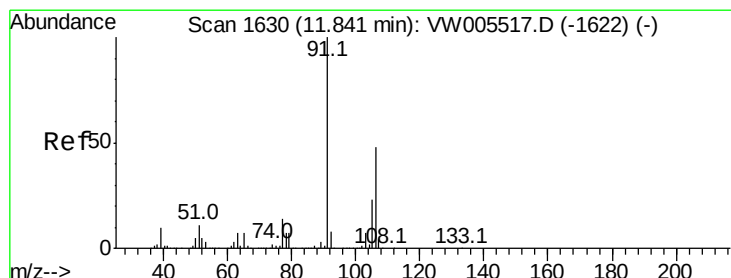
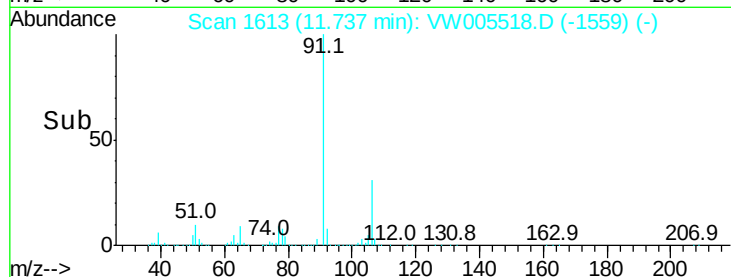
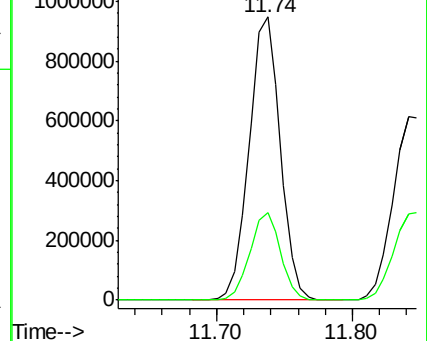
91 100

106 30.7 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 49.721 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005518.D

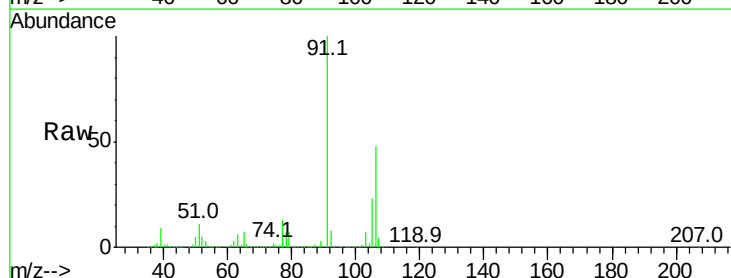
Acq: 19 Sep 2018 16:41

Tgt Ion: 106 Resp: 560490

Ion Ratio Lower Upper

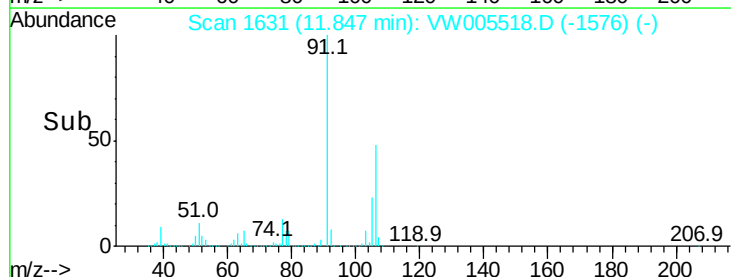
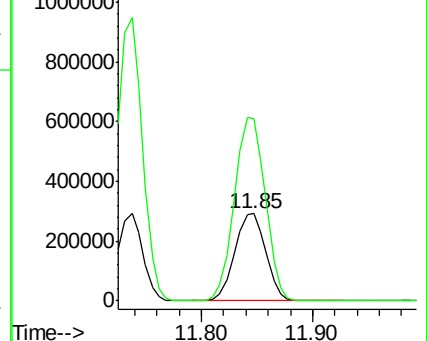
106 100

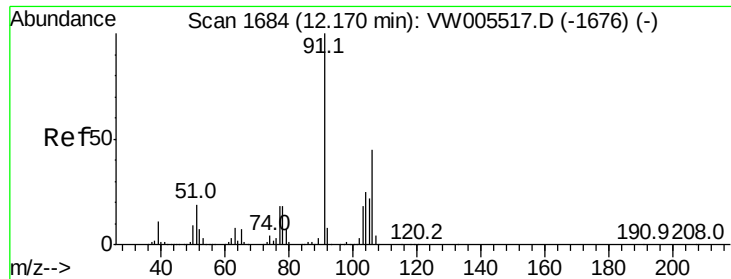
91 209.2 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 50.947 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

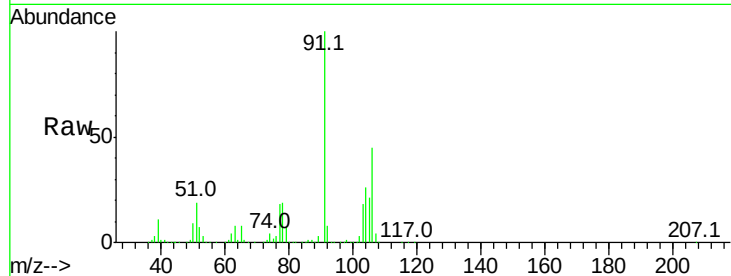
VSTD05094

Tgt Ion:106 Resp: 539308

Ion Ratio Lower Upper

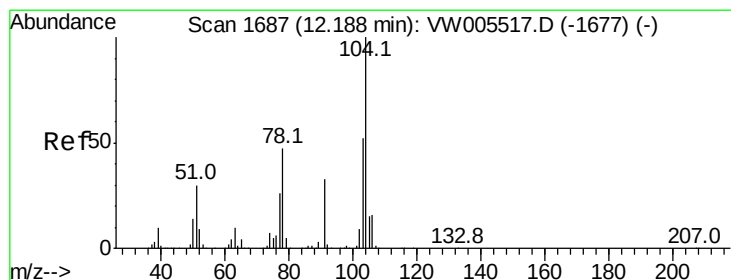
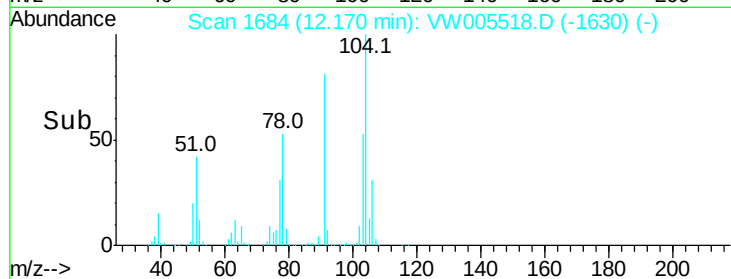
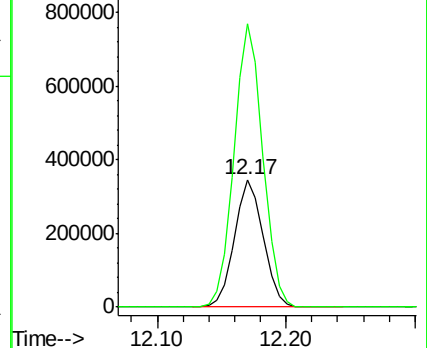
106 100

91 221.7 156.3 290.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 51.725 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005518.D

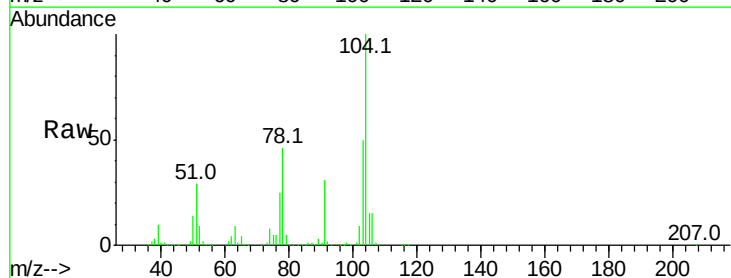
Acq: 19 Sep 2018 16:41

Tgt Ion:104 Resp: 945071

Ion Ratio Lower Upper

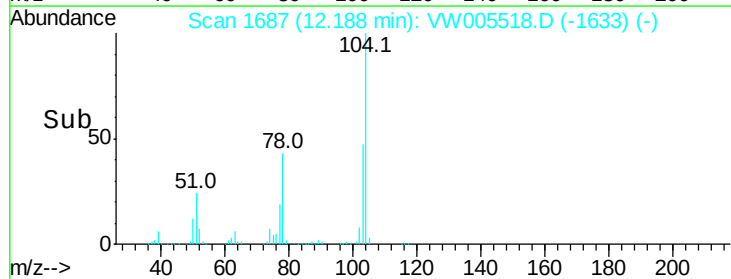
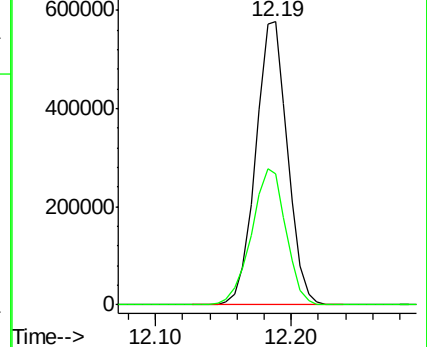
104 100

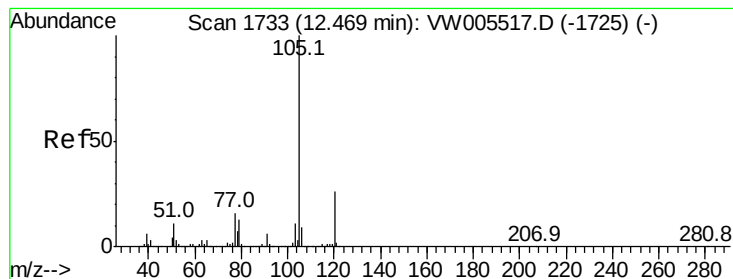
78 46.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 51.526 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05094

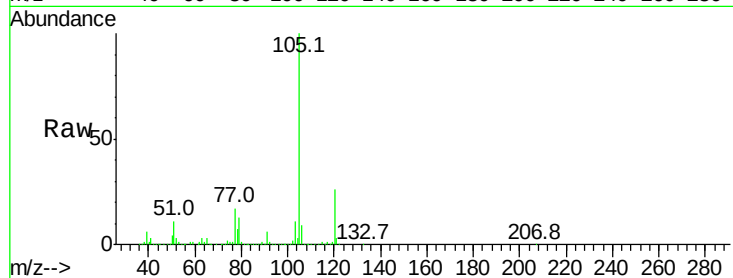
Tgt Ion:105 Resp: 1515044

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

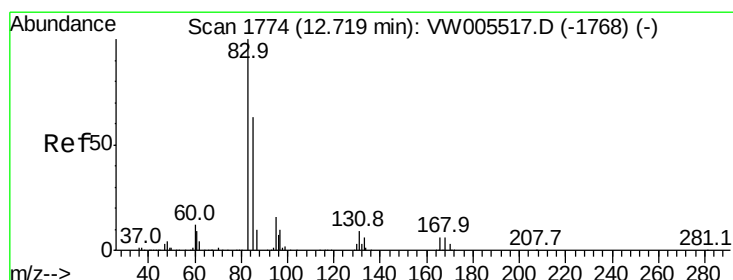
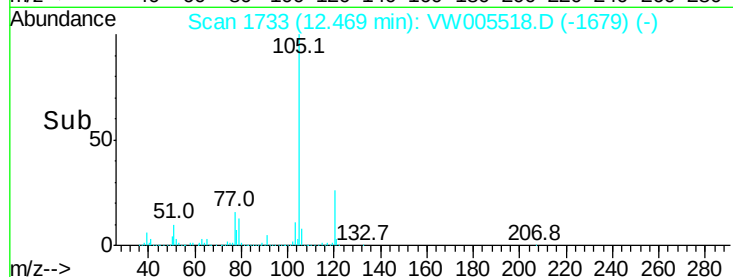
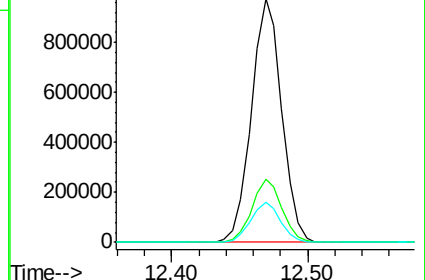
77 16.3 13.0 19.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.265 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

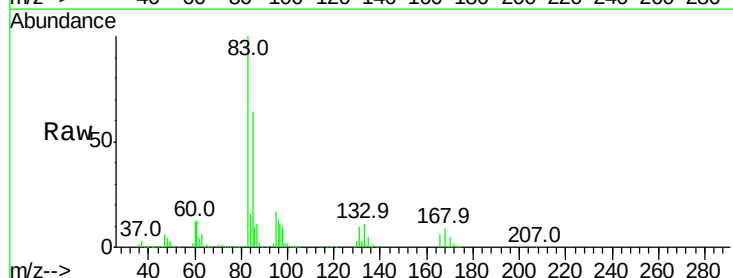
Tgt Ion: 83 Resp: 308590

Ion Ratio Lower Upper

83 100

85 63.7 43.9 81.5

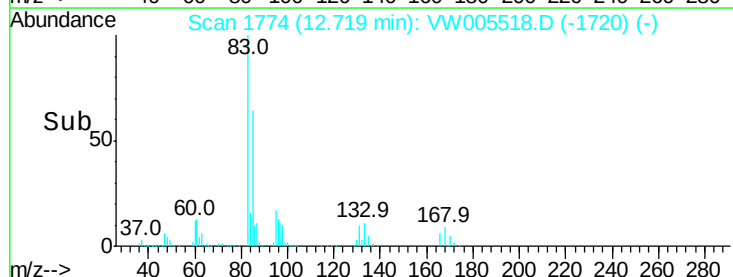
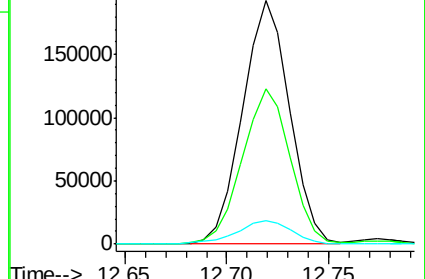
131 9.6 7.9 11.9

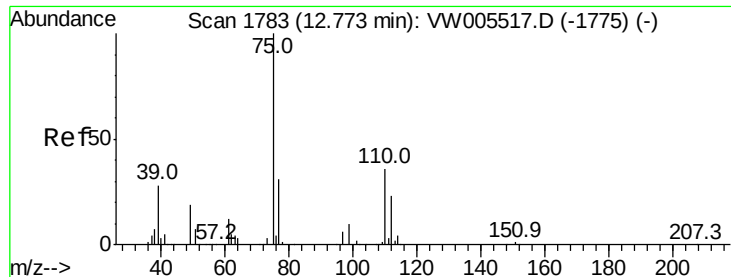


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.857 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampleId :

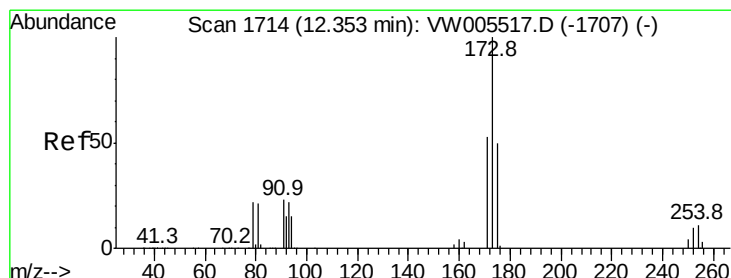
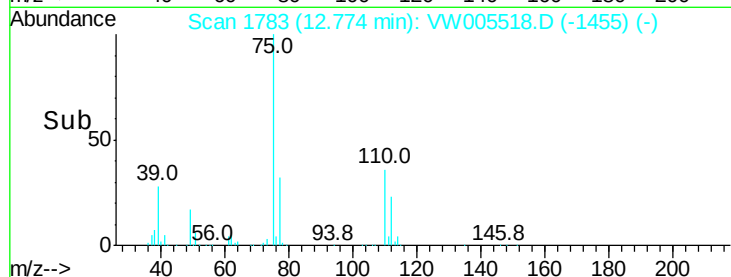
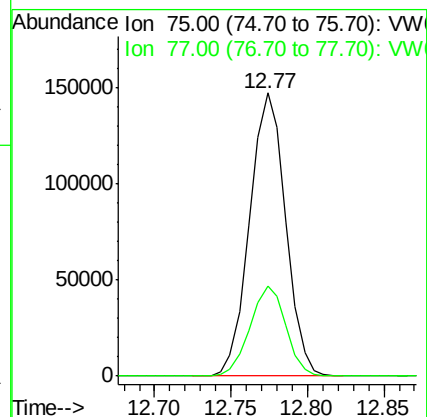
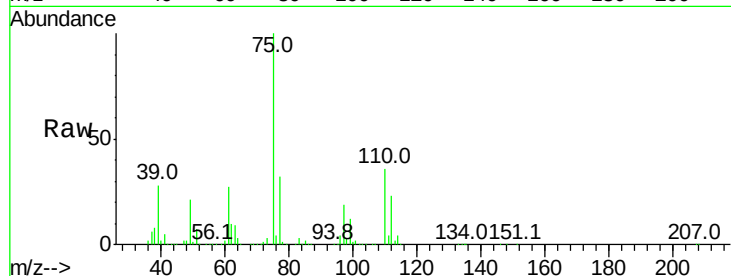
VSTD05094

Tgt Ion: 75 Resp: 241076

Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9



#62

Bromoform

Concen: 51.492 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

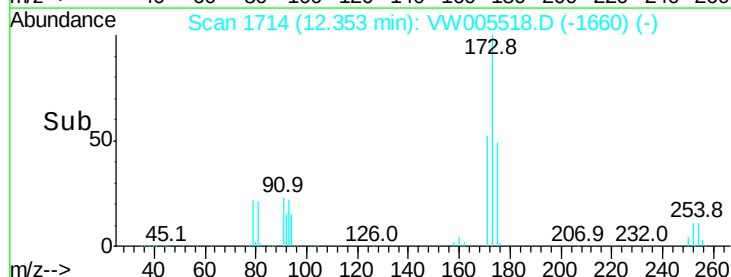
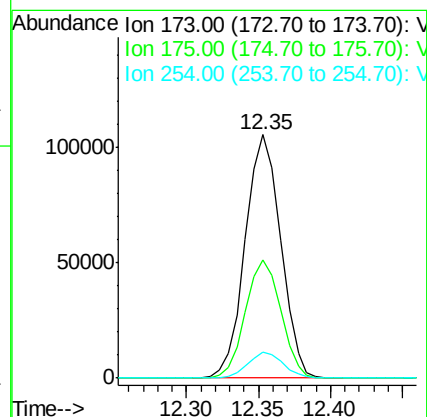
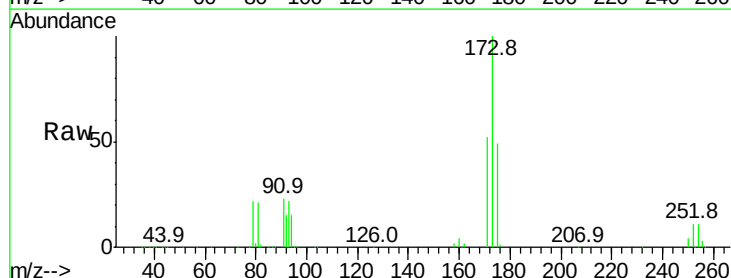
Tgt Ion: 173 Resp: 180609

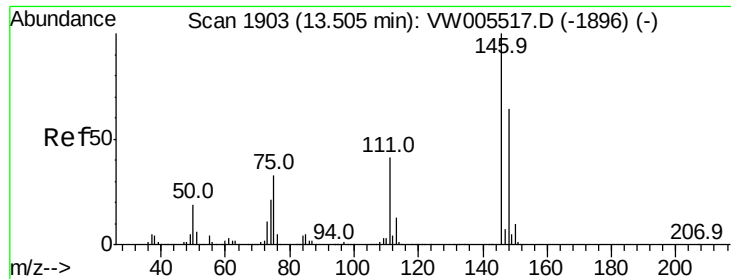
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 10.5 8.8 13.2

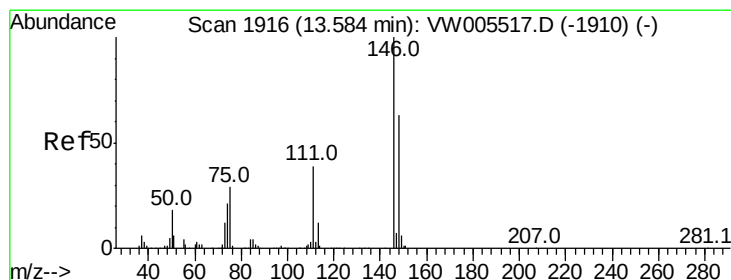
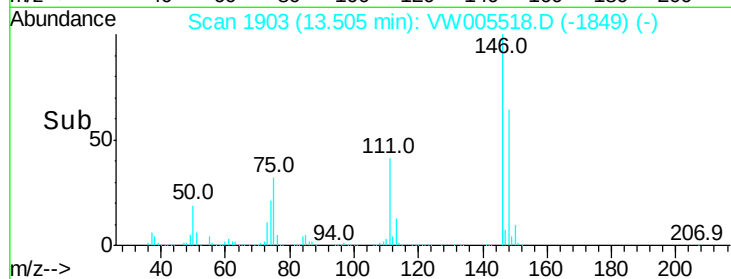
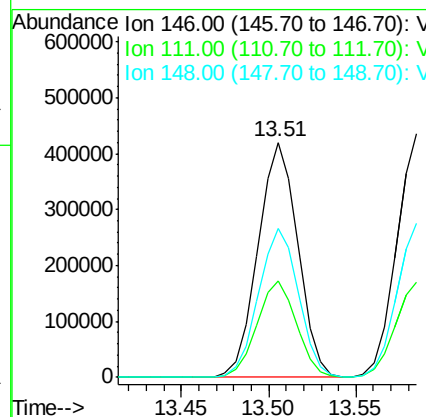
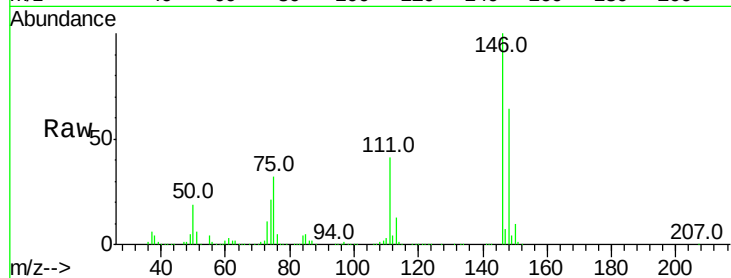




#63
 1,3-Dichlorobenzene
 Concen: 49.924 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

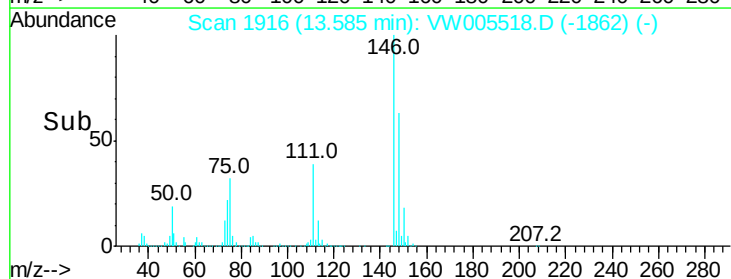
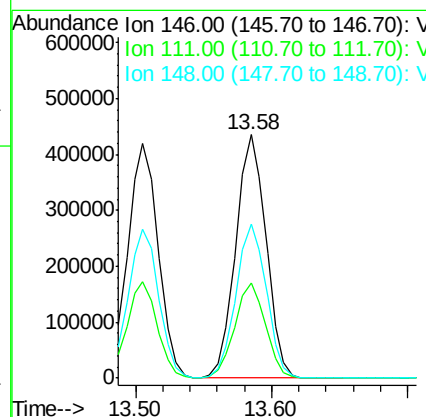
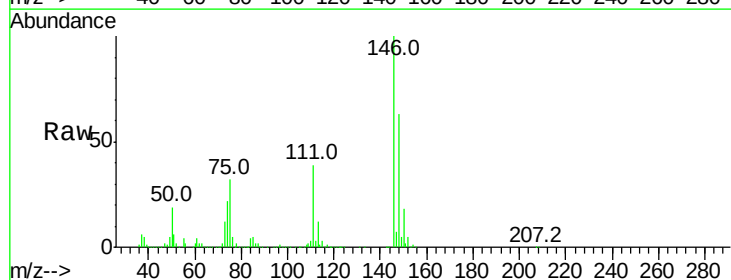
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05094

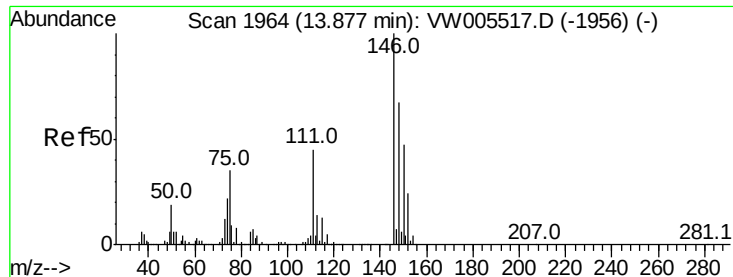
Tgt Ion:146 Resp: 664510
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.6 53.0
 148 63.5 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 49.270 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

Tgt Ion:146 Resp: 676853
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 63.3 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 49.243 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

VSTD05094

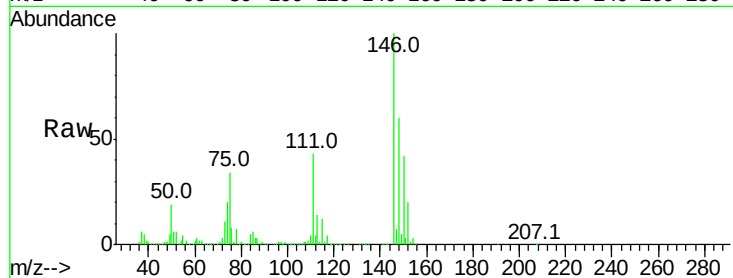
Tgt Ion:146 Resp: 627499

Ion Ratio Lower Upper

146 100

111 42.7 35.9 53.9

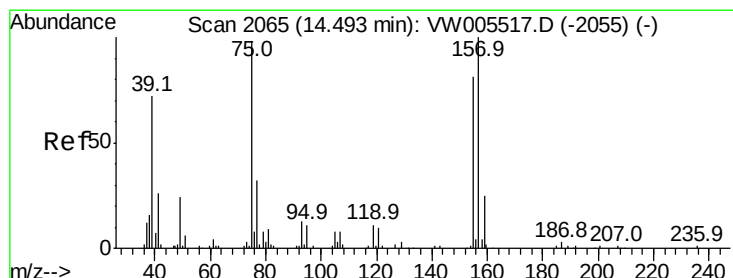
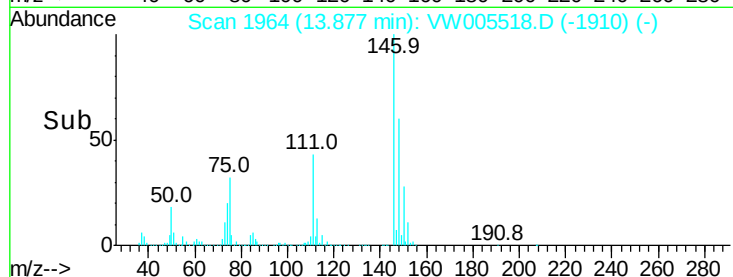
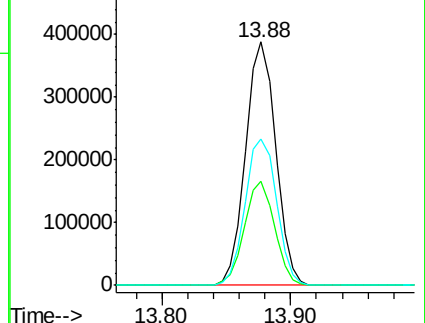
148 60.2 53.5 80.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 41.942 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

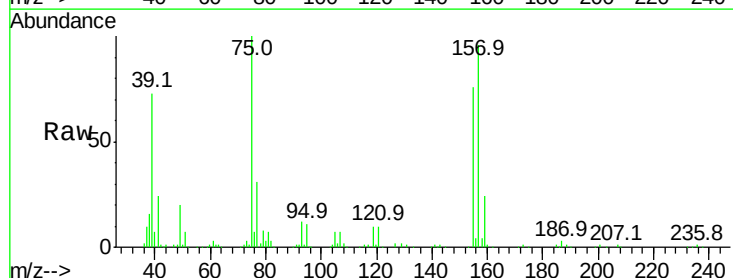
Tgt Ion: 75 Resp: 57994

Ion Ratio Lower Upper

75 100

157 96.0 81.5 122.3

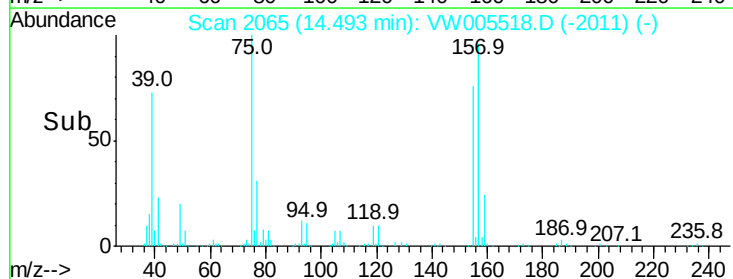
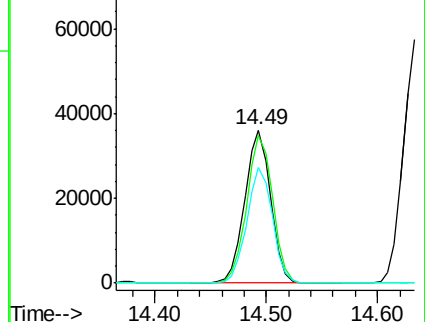
155 75.7 66.2 99.2

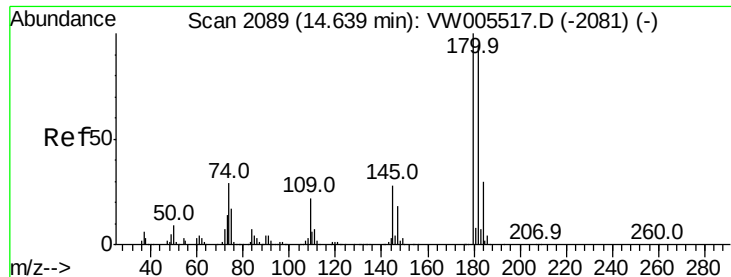


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

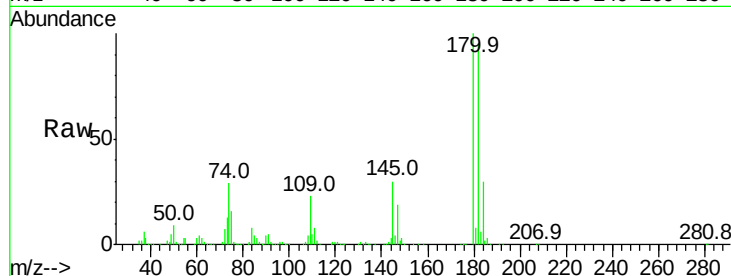




#67
 1,3,5-Trichlorobenzene
 Concen: 49.181 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05094

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	518347		
182	95.1	76.2	114.4	
184	30.2	24.1	36.1	
145	30.1	23.5	35.3	

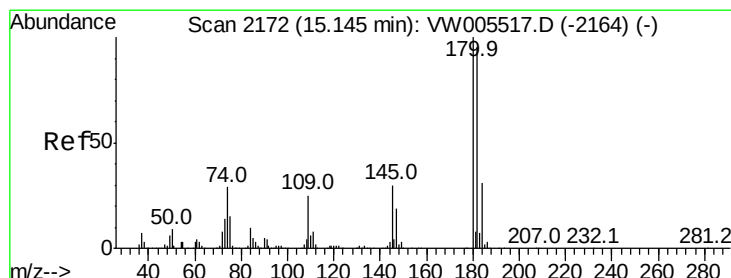
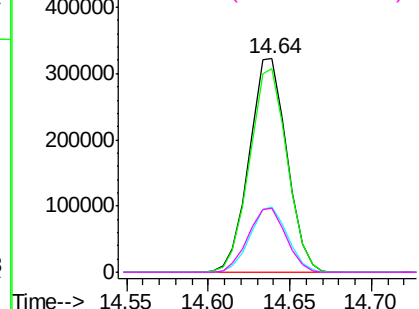
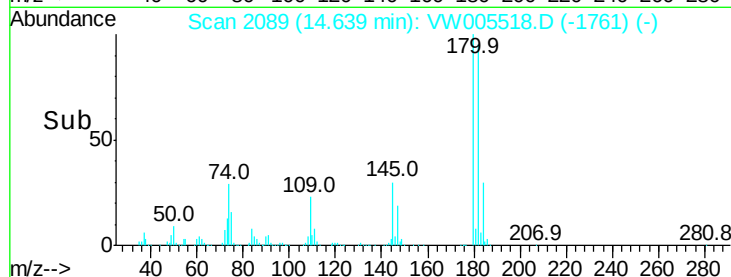


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

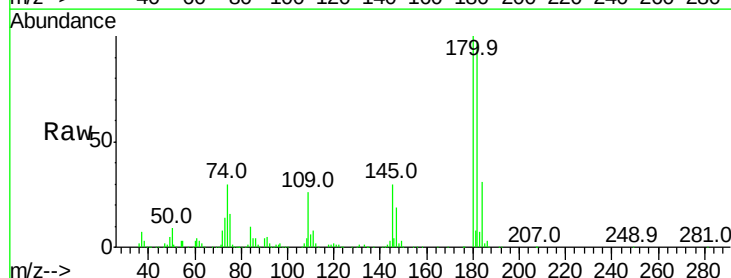
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.582 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005518.D
 Acq: 19 Sep 2018 16:41

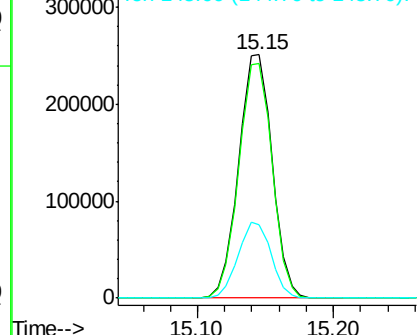
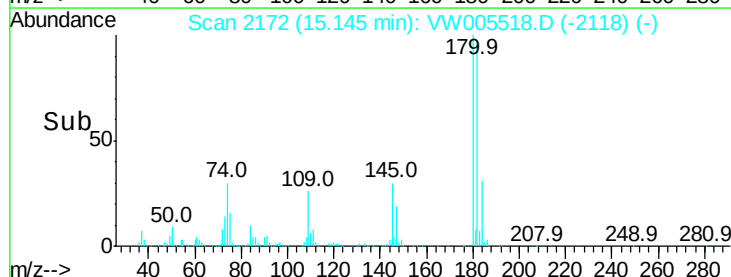
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	431915		
182	96.1	76.7	115.1	
145	30.8	24.6	37.0	

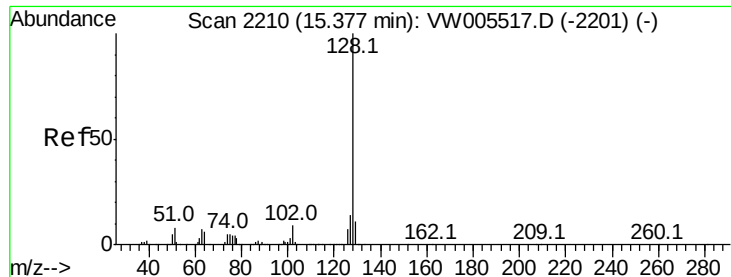


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.981 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

Instrument :

MSVOA_W

ClientSampled :

VSTD05094

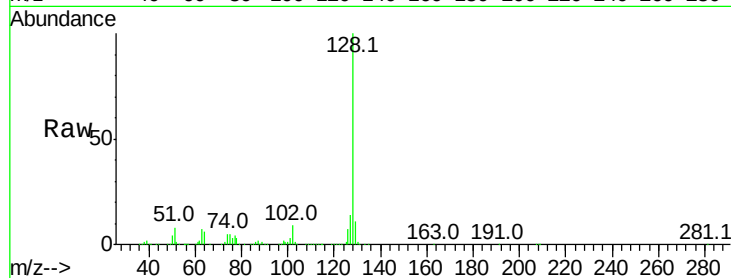
Tgt Ion:128 Resp: 934832

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

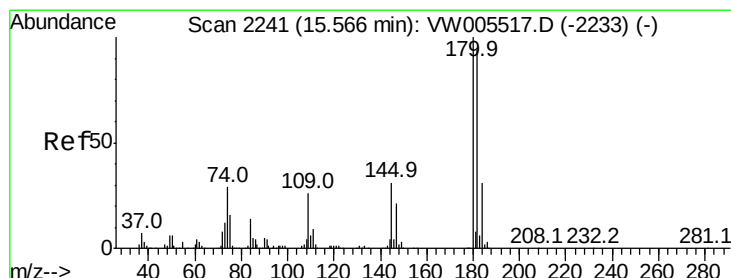
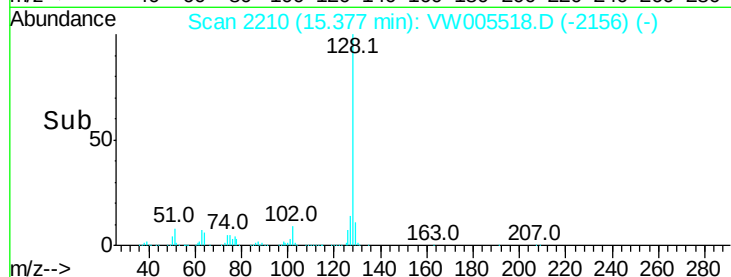
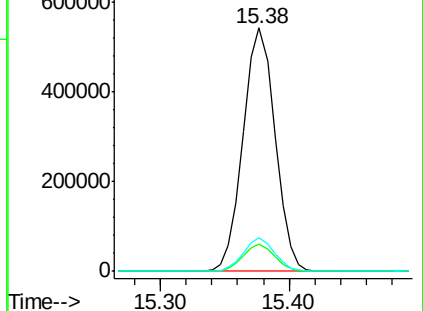
127 13.4 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.338 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005518.D

Acq: 19 Sep 2018 16:41

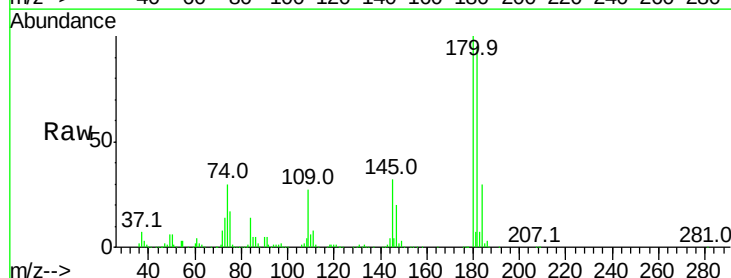
Tgt Ion:180 Resp: 403951

Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

145 32.0 25.9 38.9



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

