

Data File : VW013300.D
Acq On : 26 Sep 2019 10:53
Operator : SY/VA
Sample : VSTD02503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Sep 26 11:34:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 11:15:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	484972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	433943	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	221532	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	136895	28.07	ug/L	0.00
7) Chloroethane-d5	2.89	69	108247	26.98	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	275280	23.60	ug/L	0.00
20) 2-Butanone-d5	7.08	46	96165	52.73	ug/L	0.00
24) Chloroform-d	7.65	84	253801	20.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	136739	20.87	ug/L	0.00
29) Benzene-d6	8.27	84	544587	24.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	160004	21.89	ug/L	0.00
37) Toluene-d8	10.32	98	518145	24.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	71235	22.12	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	74560	54.06	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141881	25.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	182015	21.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	86433	23.087	ug/L	100
3) Chloromethane	2.21	50	104503	20.459	ug/L	100
5) Vinyl chloride	2.36	62	151559	22.977	ug/L	100
6) Bromomethane	2.78	94	90752	23.035	ug/L	100
8) Chloroethane	2.92	64	88782	22.322	ug/L	100
9) Trichlorofluoromethane	3.26	101	93537	23.654	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142908	24.678	ug/L	100
12) 1,1-Dichloroethene	4.04	96	140627	24.316	ug/L	100
13) Acetone	4.14	43	87209	55.487	ug/L	99
14) Carbon disulfide	4.39	76	409537	23.686	ug/L	100
15) Methyl Acetate	4.67	43	83770	28.538	ug/L	100
16) Methylene chloride	4.91	84	156823	23.685	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	241124	23.964	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	149211	24.056	ug/L	100
19) 1,1-Dichloroethane	6.21	63	261110	22.218	ug/L	100
21) 2-Butanone	7.17	43	122515	59.169	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	162840	24.749	ug/L	100
23) Bromochloromethane	7.51	128	72445	25.414	ug/L	100
25) Chloroform	7.68	83	253259	21.400	ug/L	100
27) 1,2-Dichloroethane	8.40	62	167760	20.976	ug/L	100
30) Cyclohexane	7.95	56	265912	22.991	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	208542	21.083	ug/L	100
32) Carbon tetrachloride	8.07	117	199114	21.559	ug/L	100
34) Benzene	8.32	78	611275	23.425	ug/L	100
35) Trichloroethene	9.09	95	158540	23.021	ug/L	100
36) Methylcyclohexane	9.34	83	284347	23.877	ug/L	100
40) 1,2-Dichloropropane	9.37	63	147215	22.428	ug/L	100
41) Bromodichloromethane	9.65	83	180928	21.637	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	237615	23.041	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	237387	56.850	ug/L	100

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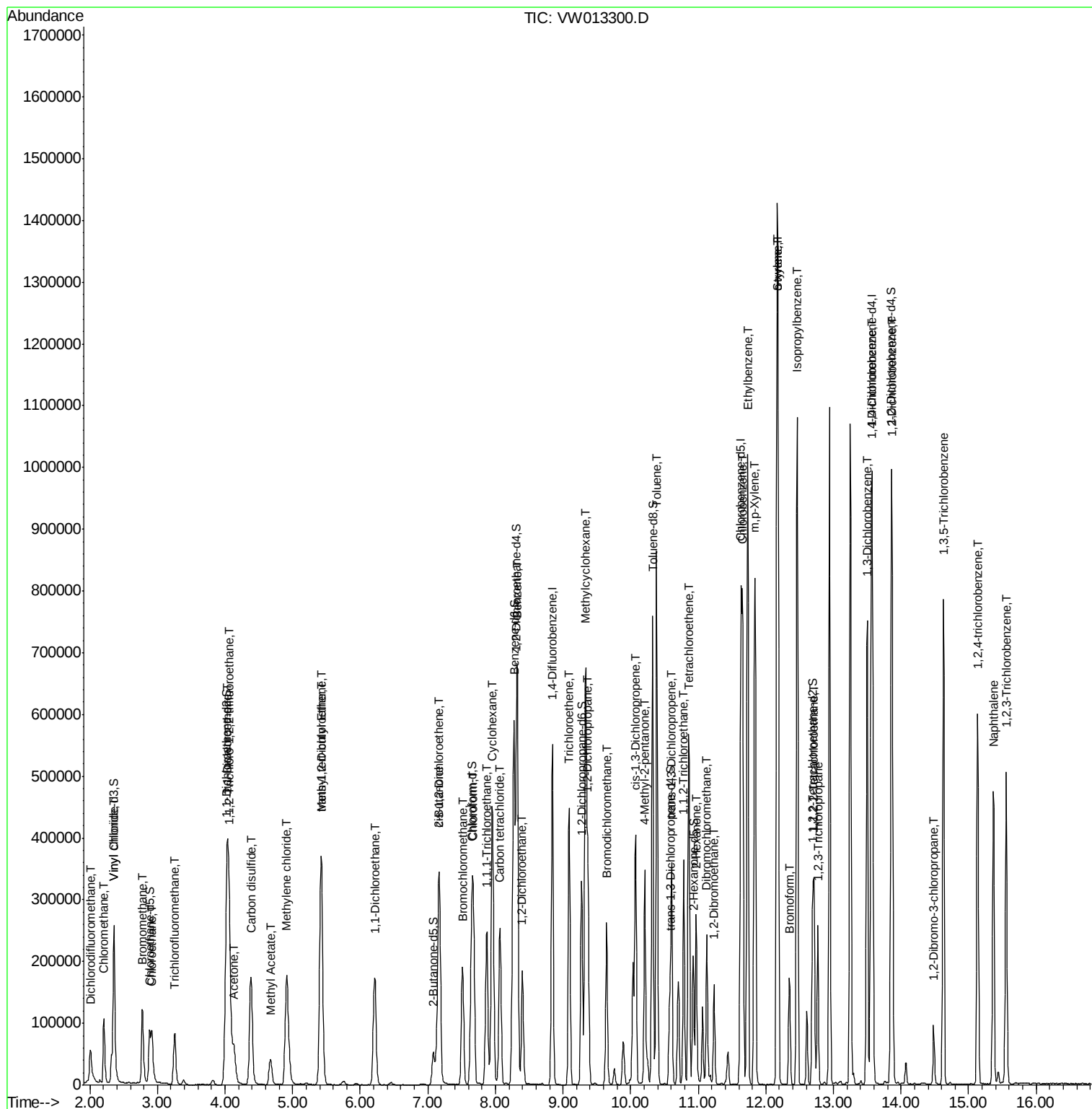
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	657342	23.542	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	193577	23.158	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	114750	25.997	ug/L	100
47) Tetrachloroethene	10.86	164	143432	24.187	ug/L	100
49) 2-Hexanone	10.97	43	175867	56.978	ug/L	100
50) Dibromochloromethane	11.13	129	133803	24.890	ug/L	100
51) 1,2-Dibromoethane	11.23	107	115175	27.126	ug/L	100
52) Chlorobenzene	11.66	112	408228	23.400	ug/L	100
53) Ethylbenzene	11.73	91	730279	23.045	ug/L	100
54) m,p-Xylene	11.84	106	281667	23.773	ug/L	100
55) o-xylene	12.16	106	264368	23.719	ug/L	100
56) Styrene	12.18	104	460097	24.259	ug/L	100
57) Isopropylbenzene	12.46	105	724597	23.674	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	147141	29.308	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	108922	28.154	ug/L	100
62) Bromoform	12.35	173	84899	26.816	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	331876	23.650	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	333173	23.799	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	303036	24.081	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	23742	27.223	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	260355	24.120	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	210780	24.633	ug/L	100
69) Naphthalene	15.36	128	425004	30.668	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	189510	25.101	ug/L	100

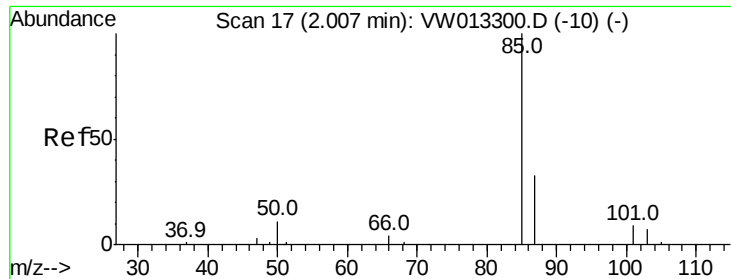
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.087 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

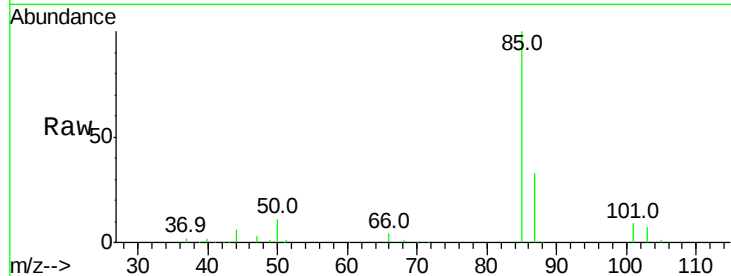
VSTD02503

Tgt Ion: 85 Resp: 86433

Ion Ratio Lower Upper

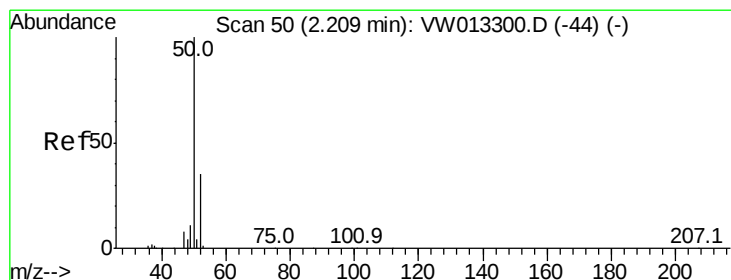
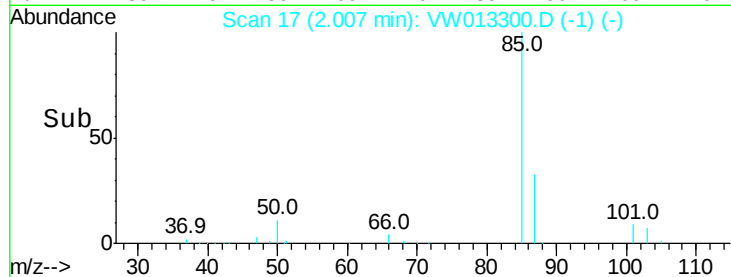
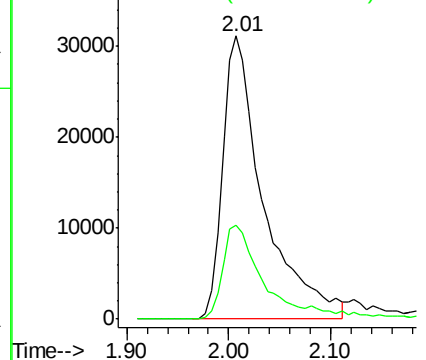
85 100

87 30.5 21.3 39.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.459 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013300.D

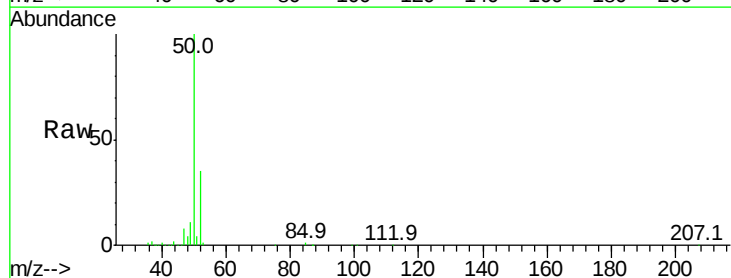
Acq: 26 Sep 2019 10:53

Tgt Ion: 50 Resp: 104503

Ion Ratio Lower Upper

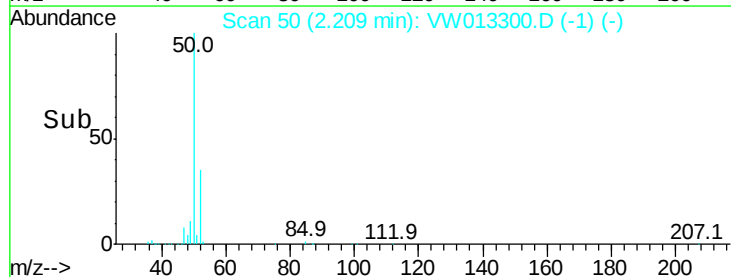
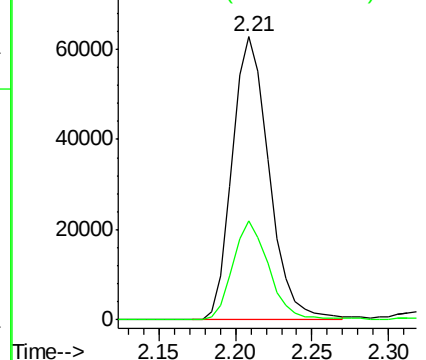
50 100

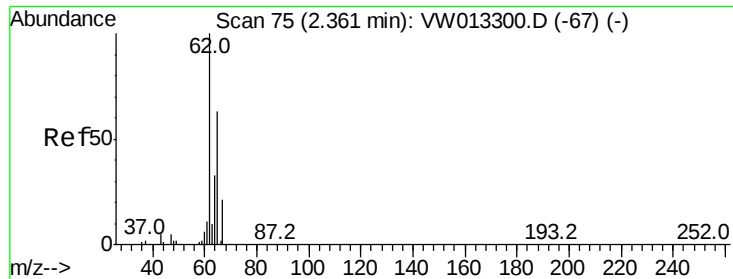
52 34.9 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.977 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

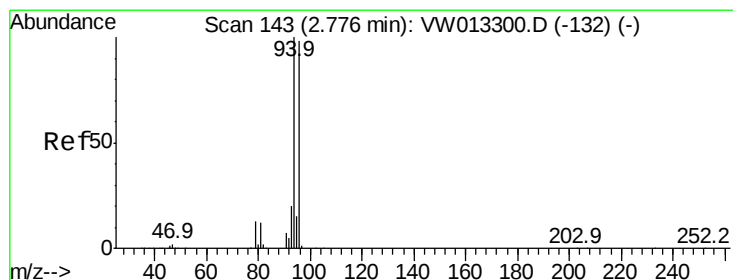
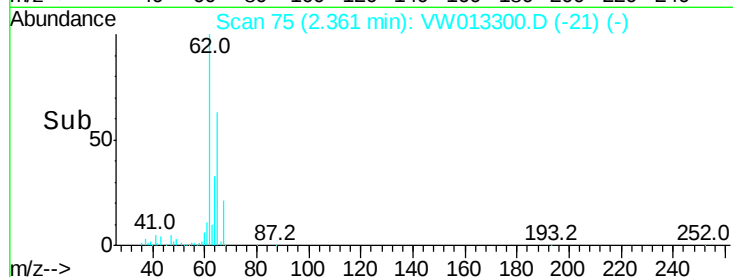
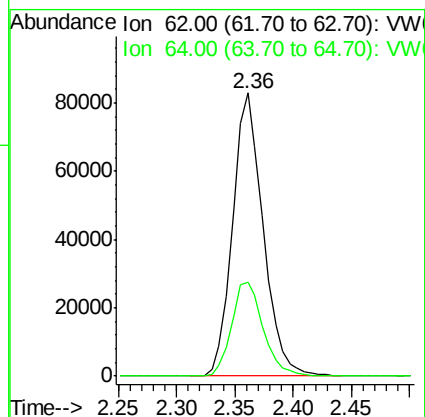
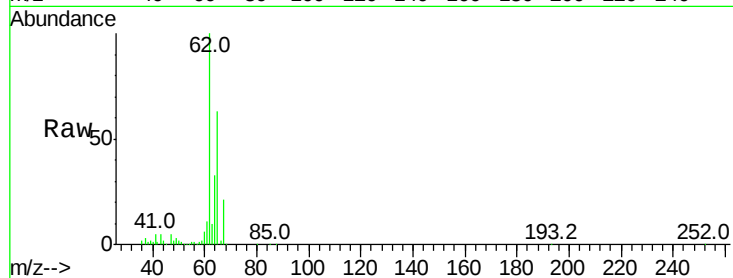
VSTD02503

Tgt Ion: 62 Resp: 151559

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 23.035 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013300.D

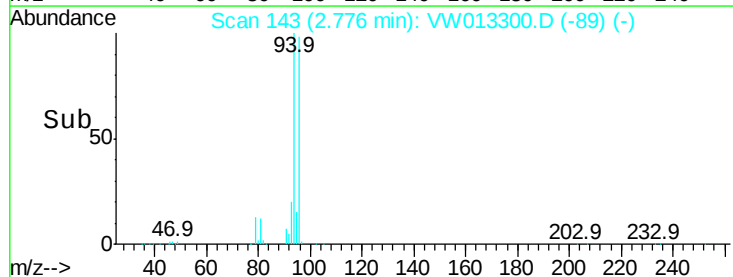
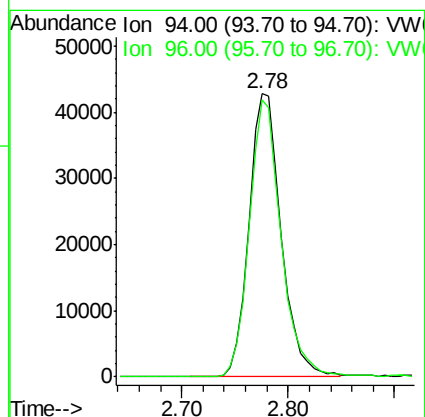
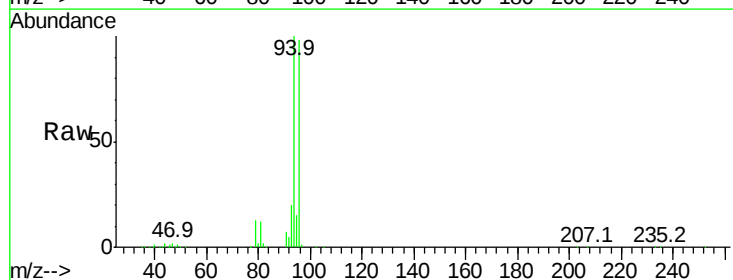
Acq: 26 Sep 2019 10:53

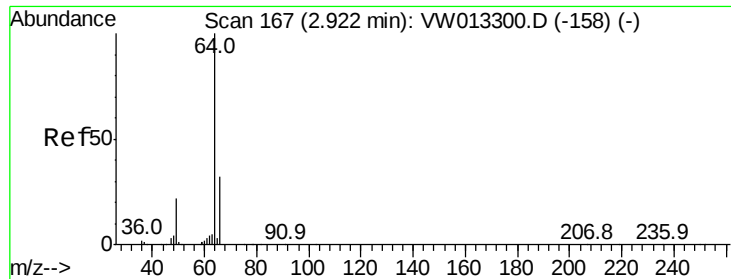
Tgt Ion: 94 Resp: 90752

Ion Ratio Lower Upper

94 100

96 97.0 9.7 184.3





#8

Chloroethane

Concen: 22.322 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

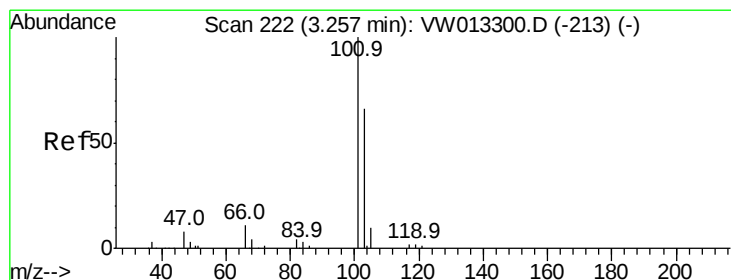
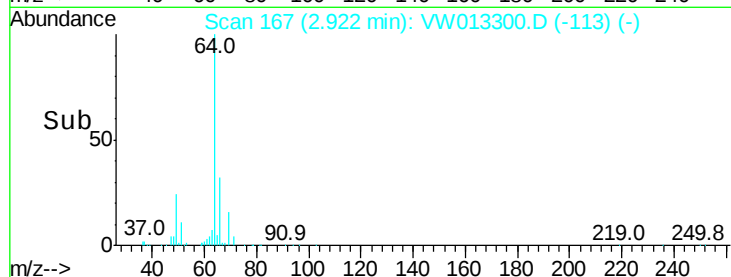
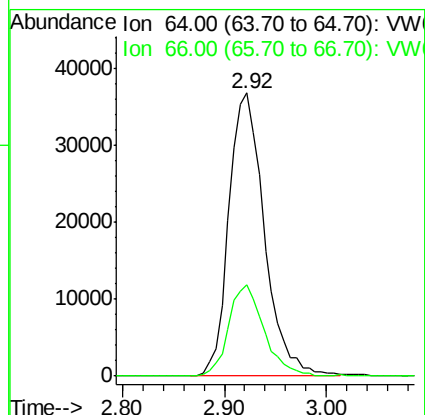
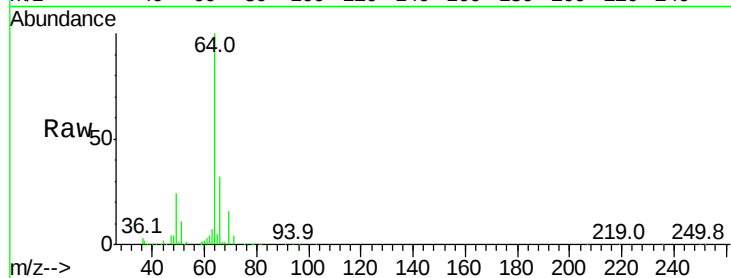
VSTD02503

Tgt Ion: 64 Resp: 88782

Ion Ratio Lower Upper

64 100

66 32.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 23.654 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013300.D

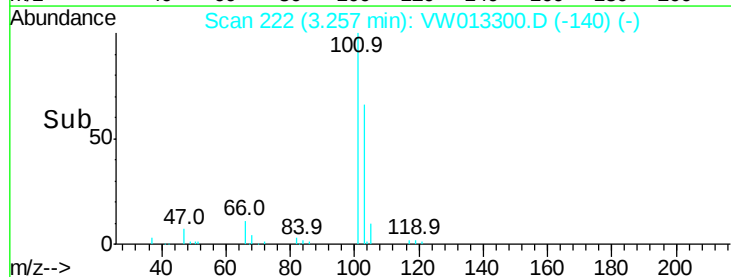
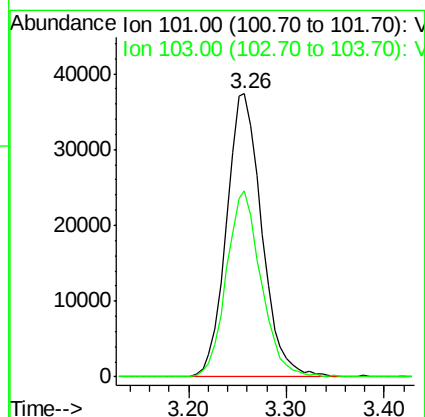
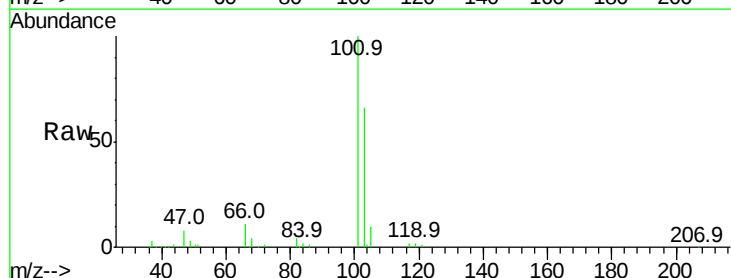
Acq: 26 Sep 2019 10:53

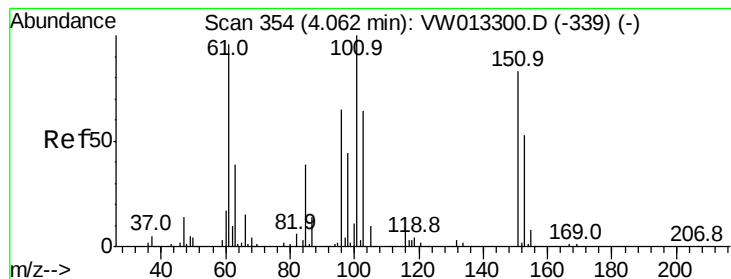
Tgt Ion: 101 Resp: 93537

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 24.678 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

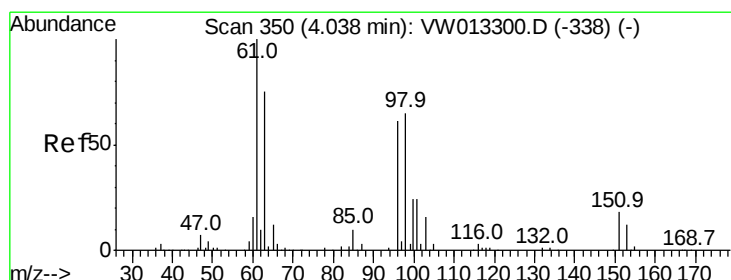
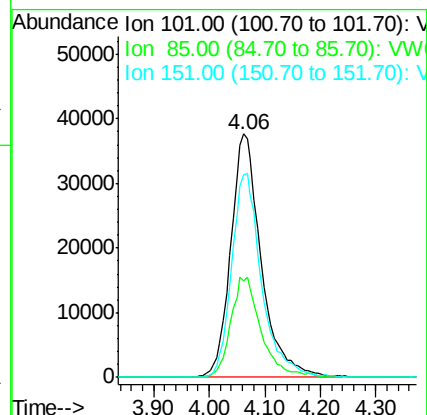
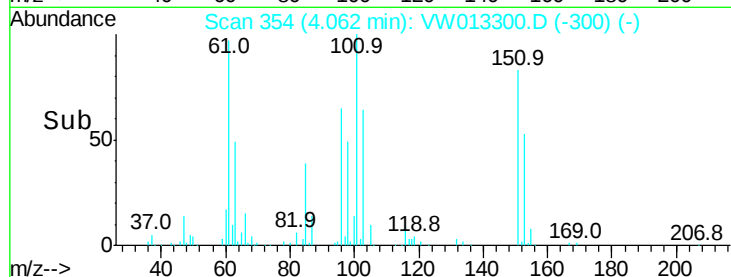
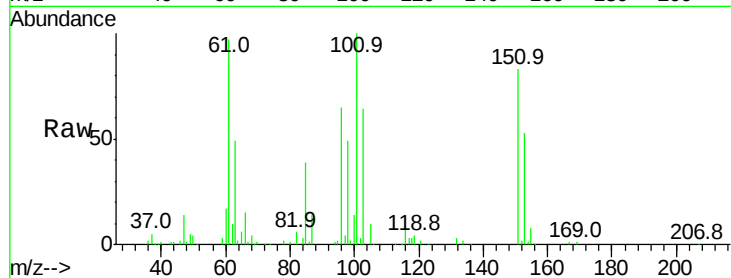
Tgt Ion:101 Resp: 142908

Ion Ratio Lower Upper

101 100

85 39.8 31.8 47.8

151 81.7 65.4 98.0



#12

1,1-Dichloroethene

Concen: 24.316 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

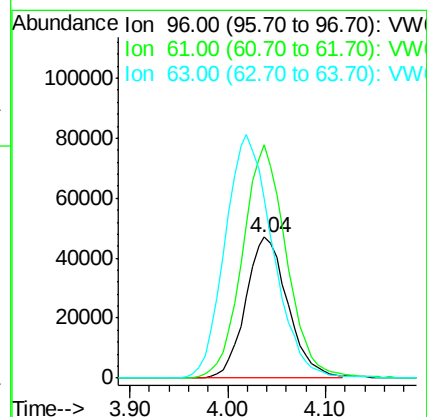
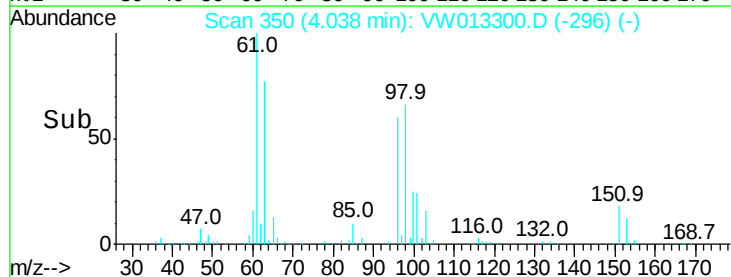
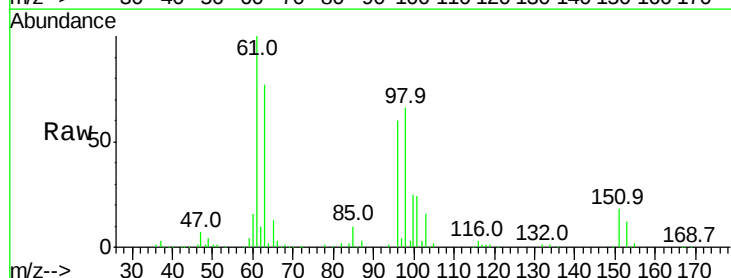
Tgt Ion: 96 Resp: 140627

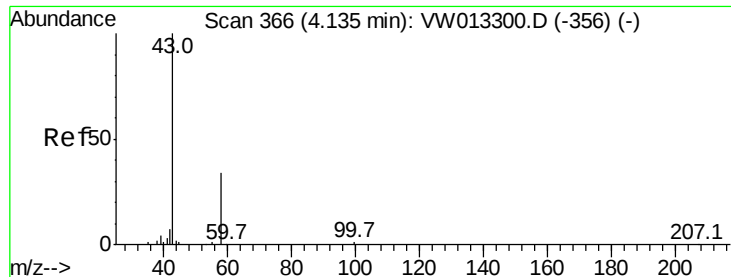
Ion Ratio Lower Upper

96 100

61 165.6 115.9 215.3

63 127.0 88.9 165.1





#13

Acetone

Concen: 55.487 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

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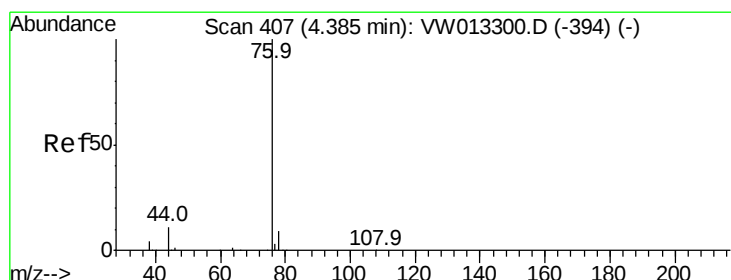
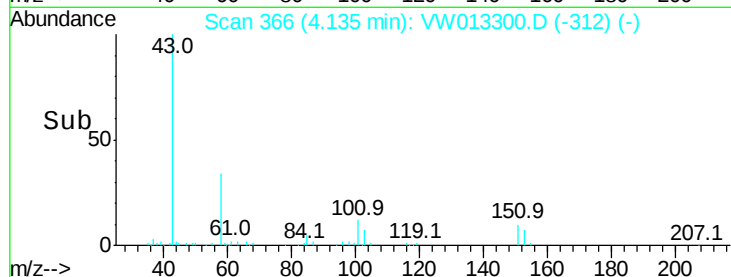
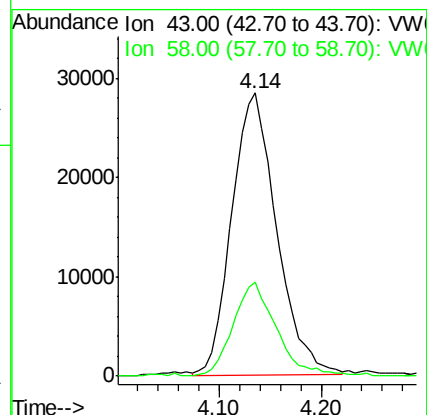
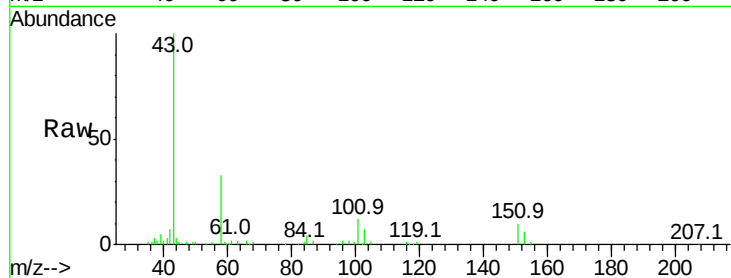
VSTD02503

Tgt Ion: 43 Resp: 87209

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.2



#14

Carbon disulfide

Concen: 23.686 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013300.D

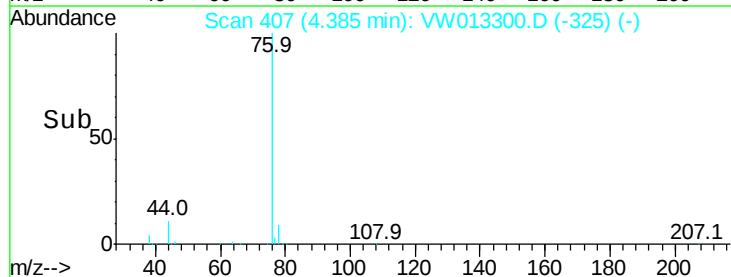
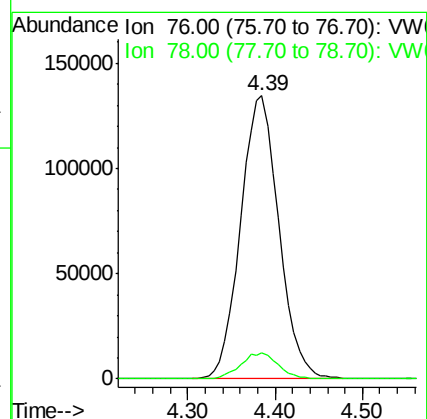
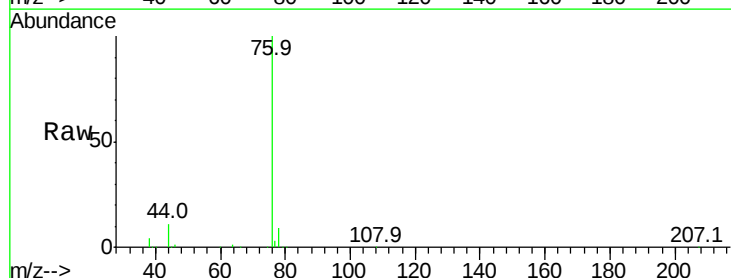
Acq: 26 Sep 2019 10:53

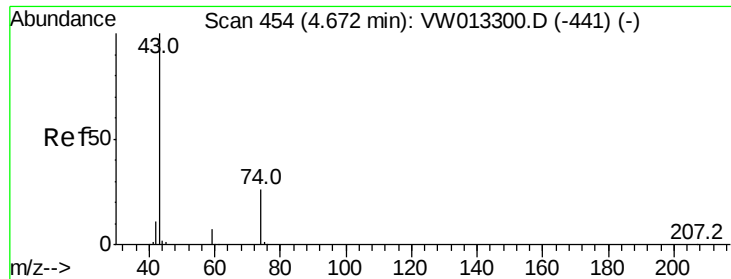
Tgt Ion: 76 Resp: 409537

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

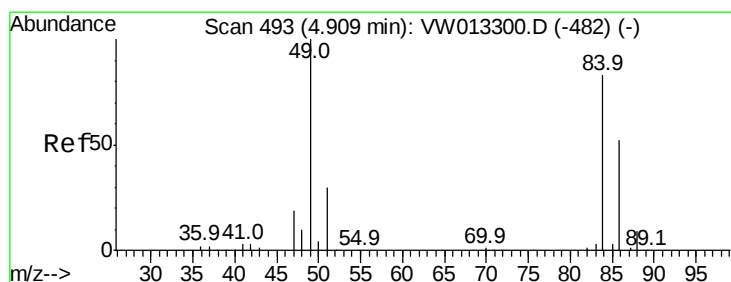
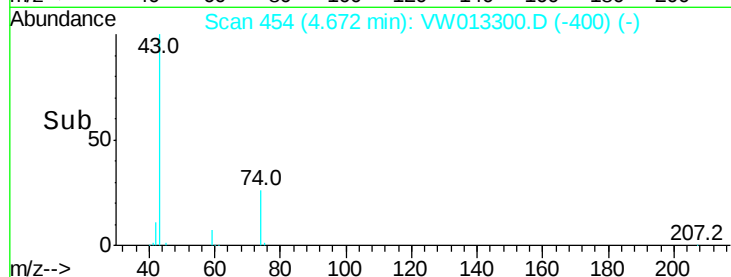
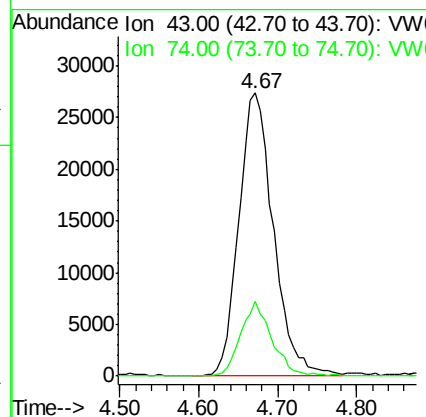
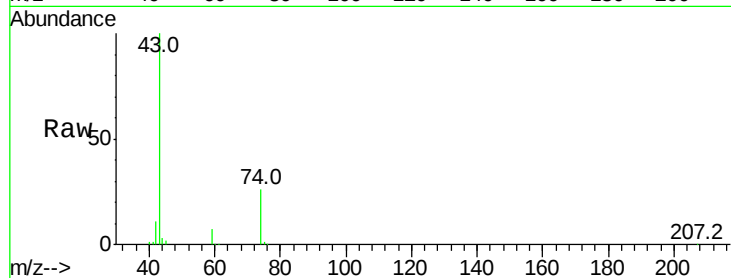




#15
Methyl Acetate
Concen: 28.538 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

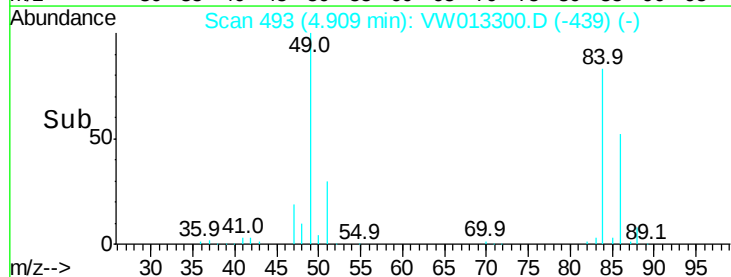
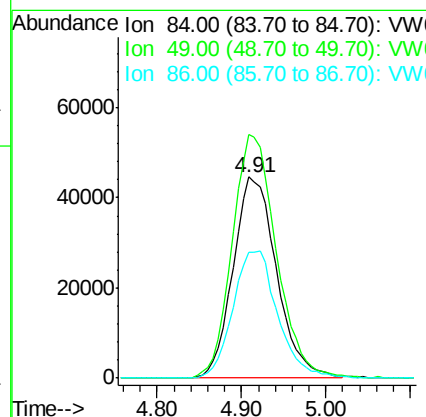
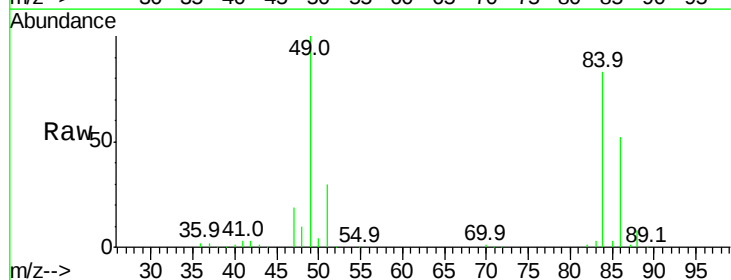
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

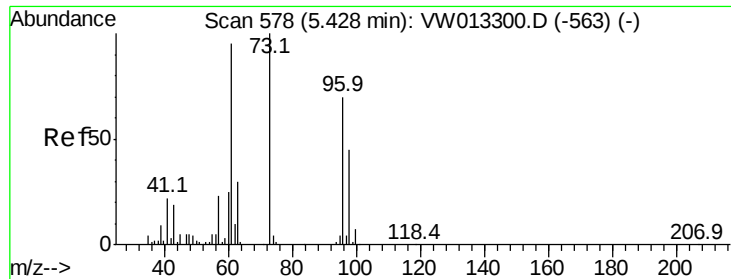
Tgt Ion: 43 Resp: 83770
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 23.685 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion: 84 Resp: 156823
Ion Ratio Lower Upper
84 100
49 121.1 84.8 157.4
86 62.8 44.0 81.6

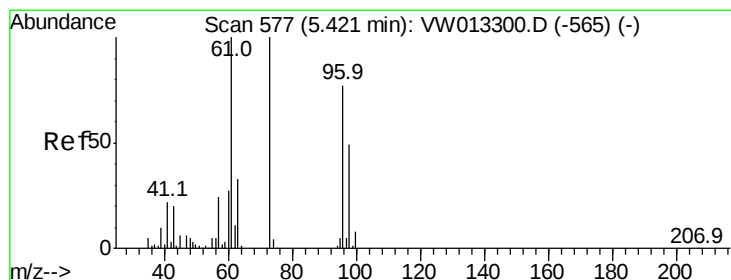
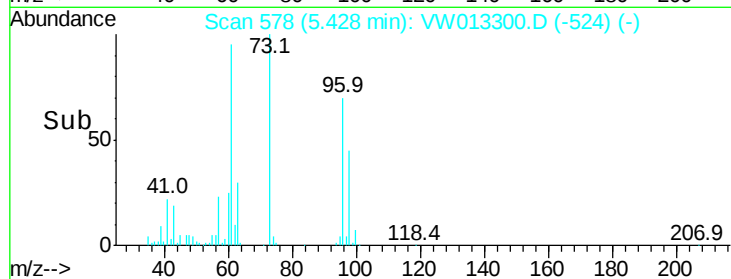
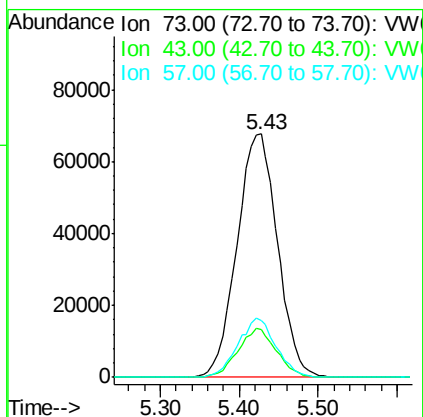
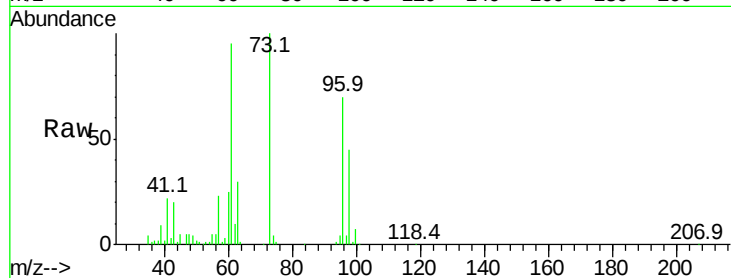




#17
Methyl tert-butyl Ether
Concen: 23.964 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

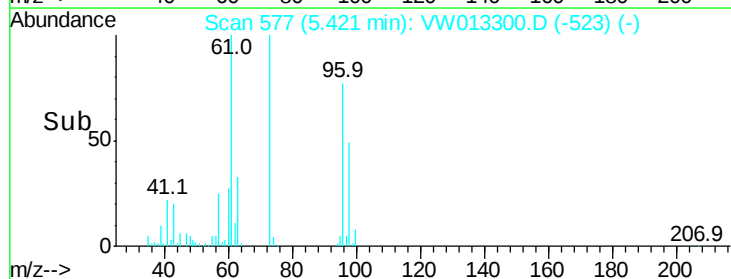
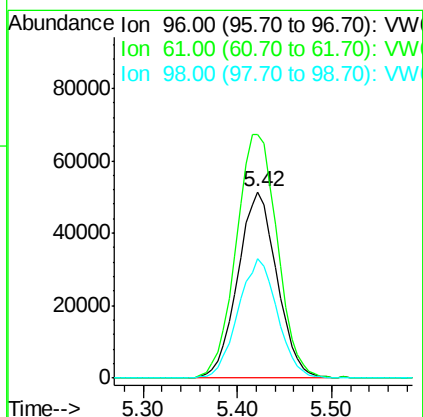
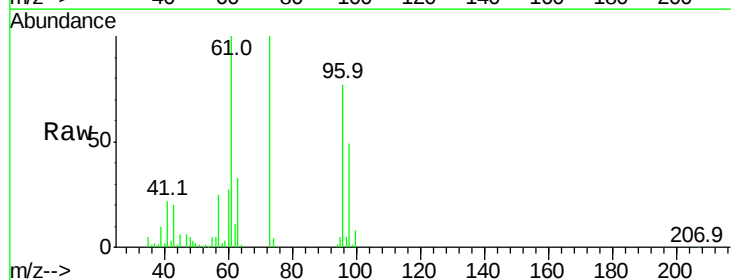
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

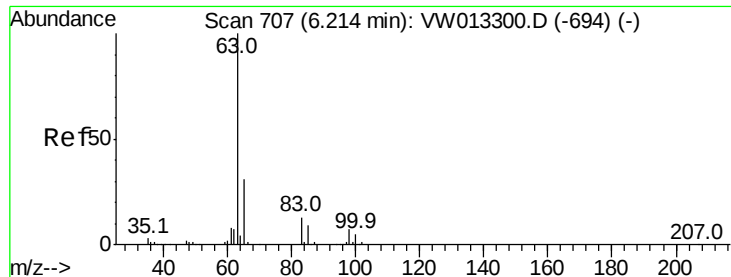
Tgt Ion: 73 Resp: 241124
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.056 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion: 96 Resp: 149211
Ion Ratio Lower Upper
96 100
61 130.3 91.2 169.4
98 63.8 44.7 82.9

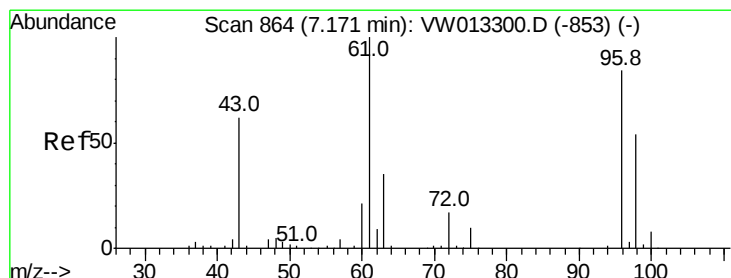
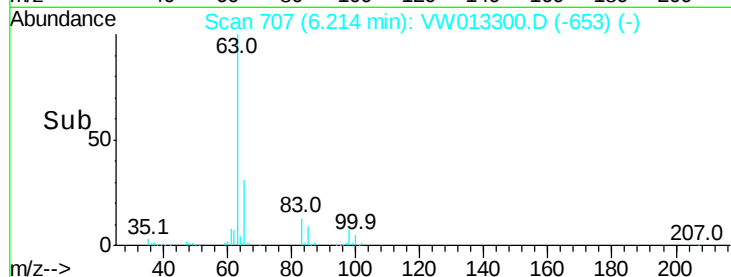
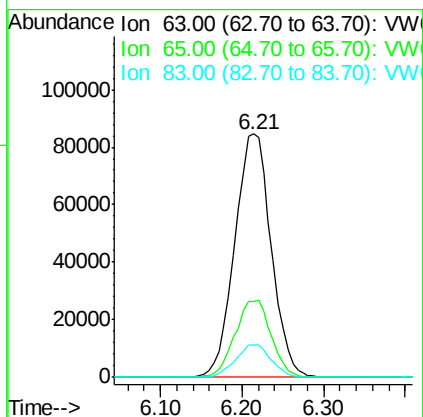
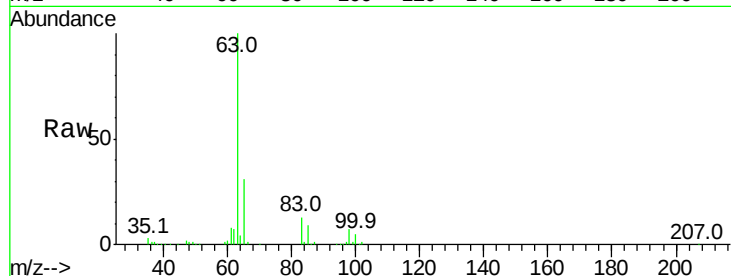




#19
 1,1-Dichloroethane
 Concen: 22.218 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

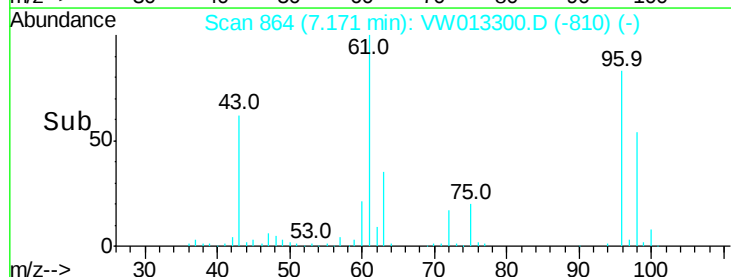
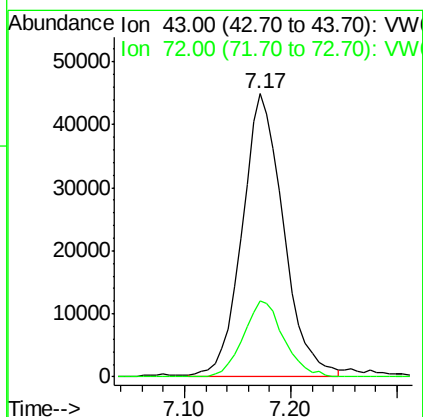
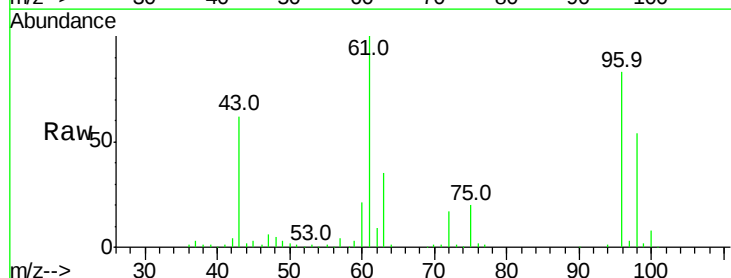
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

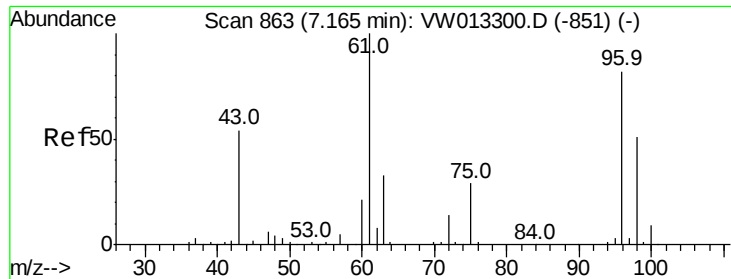
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.8	40.4
83	13.3	9.3	17.3



#21
 2-Butanone
 Concen: 59.169 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	13.2	39.6



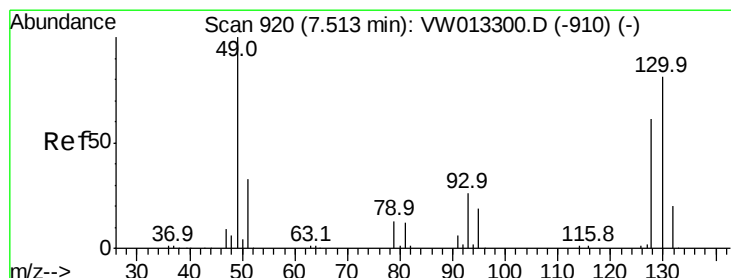
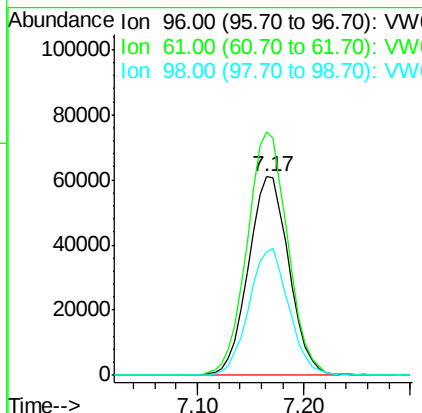
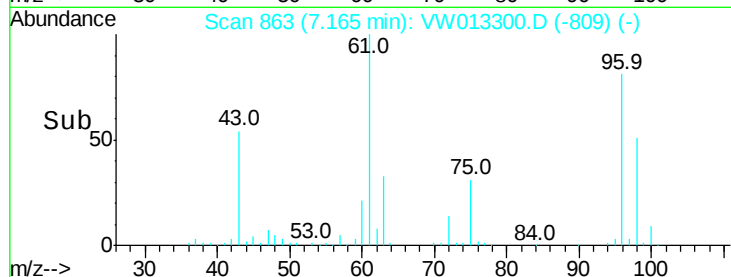
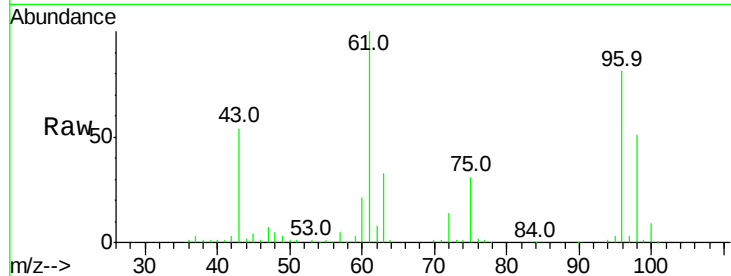


#22

cis-1,2-Dichloroethene
Concen: 24.749 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

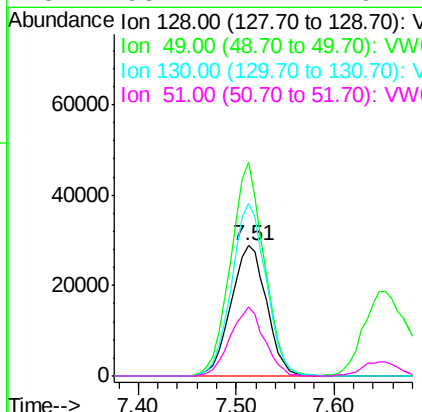
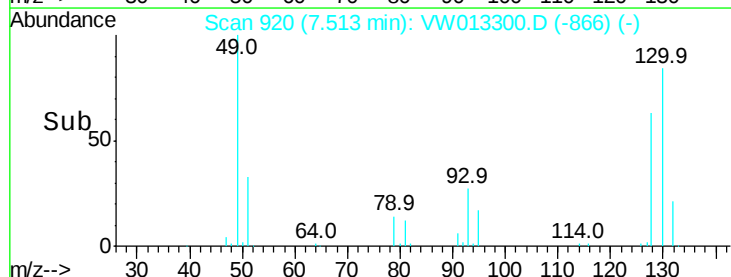
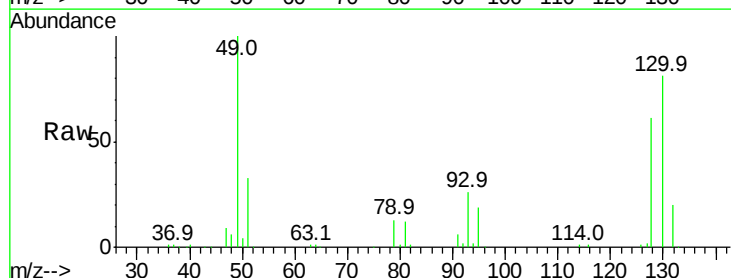
Tgt Ion: 96 Resp: 162840
Ion Ratio Lower Upper
96 100
61 122.8 86.0 159.6
98 62.2 43.5 80.9

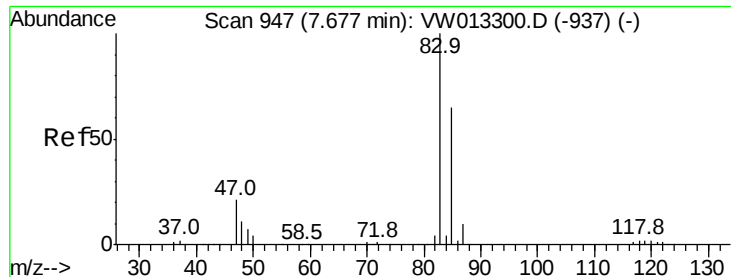


#23

Bromochloromethane
Concen: 25.414 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion: 128 Resp: 72445
Ion Ratio Lower Upper
128 100
49 163.7 114.6 212.8
130 132.3 92.6 172.0
51 53.4 42.7 64.1

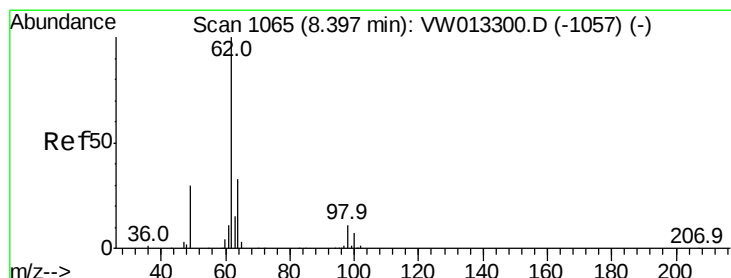
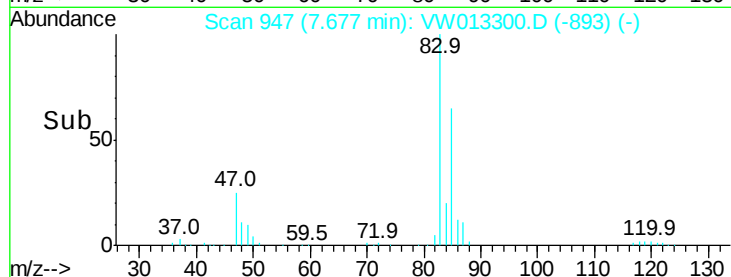
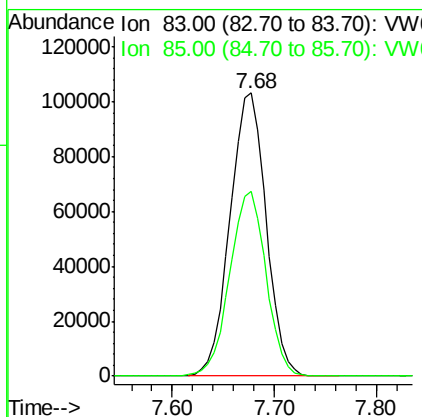
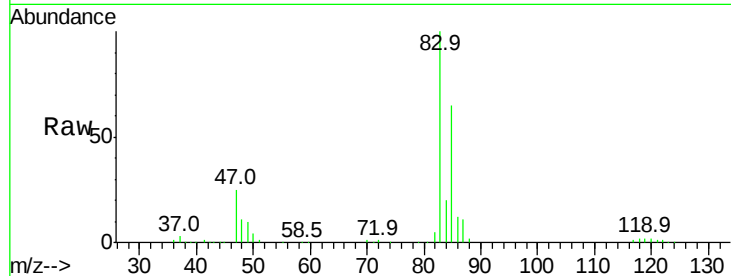




#25
Chloroform
Concen: 21.400 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

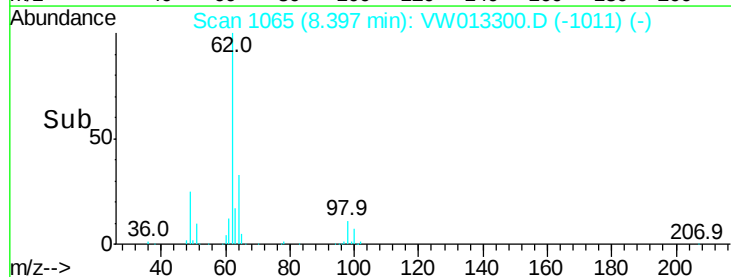
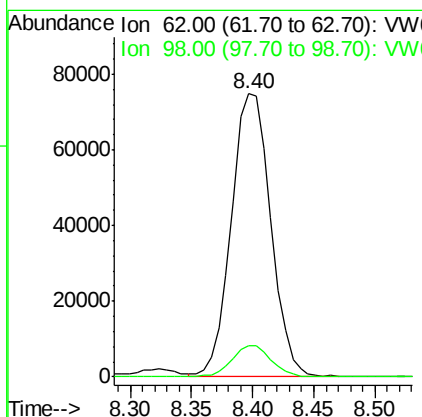
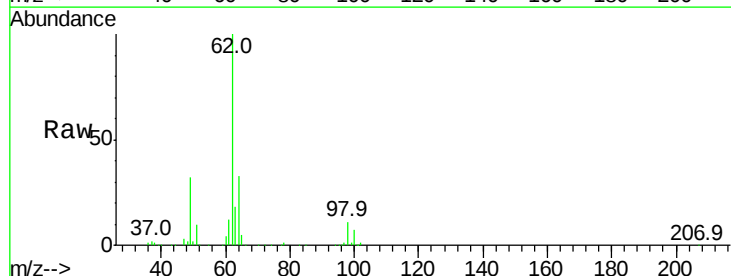
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

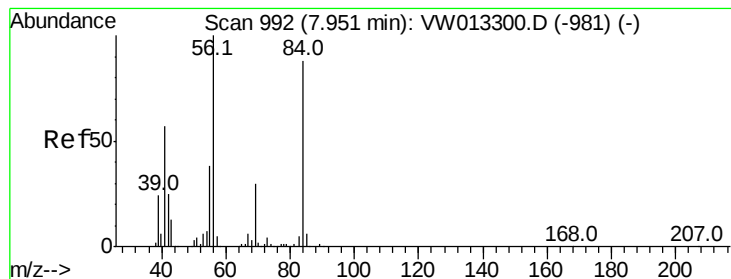
Tgt Ion: 83 Resp: 253259
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 20.976 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion: 62 Resp: 167760
Ion Ratio Lower Upper
62 100
98 11.3 9.0 13.6





#30

Cyclohexane

Concen: 22.991 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

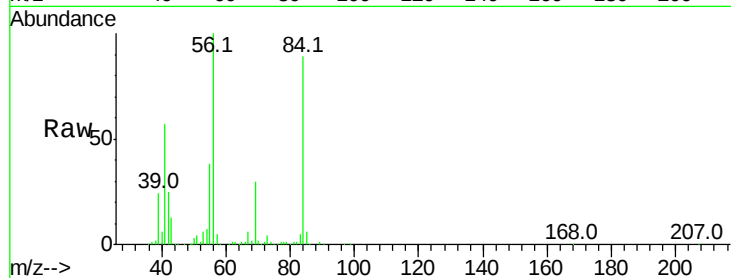
Tgt Ion: 56 Resp: 265912

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

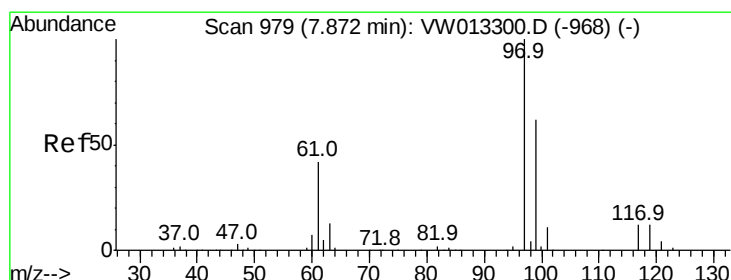
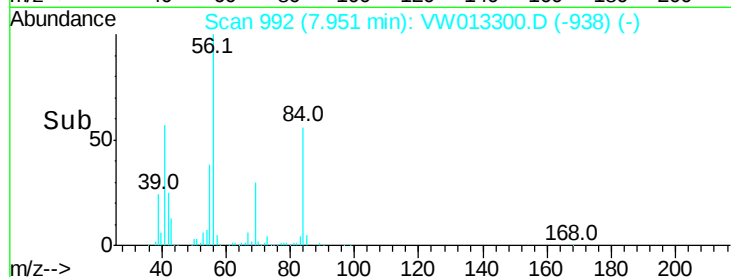
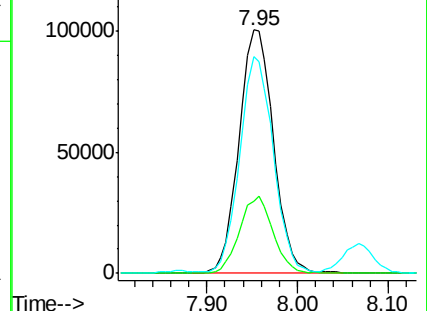
84 86.9 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 21.083 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

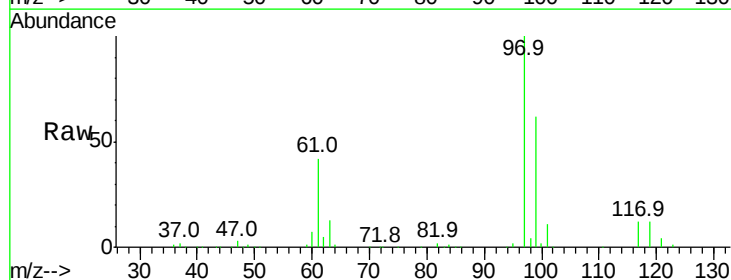
Tgt Ion: 97 Resp: 208542

Ion Ratio Lower Upper

97 100

99 63.2 50.6 75.8

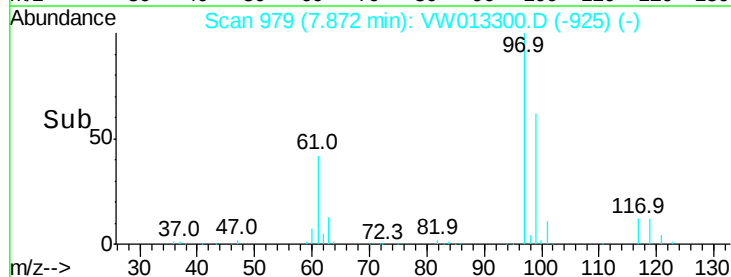
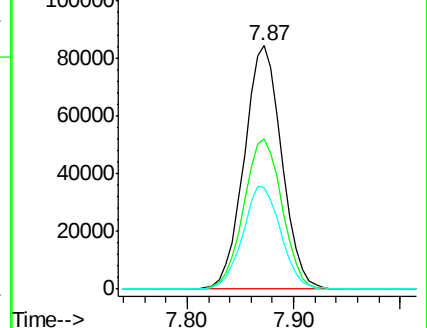
61 42.7 34.2 51.2

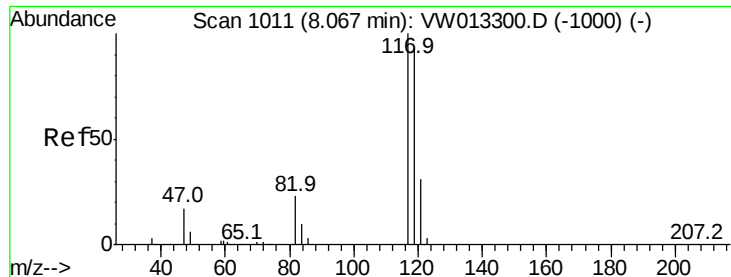


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 21.559 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

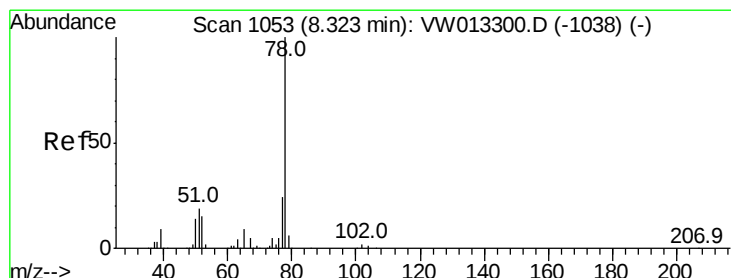
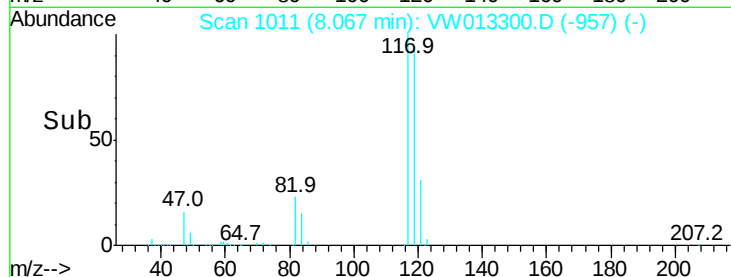
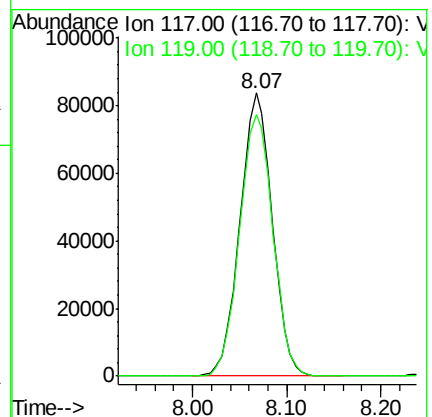
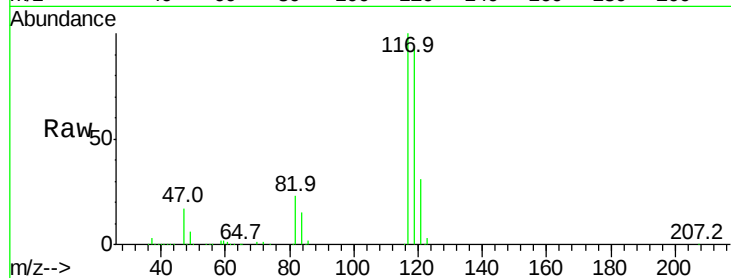
VSTD02503

Tgt Ion:117 Resp: 199114

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



#34

Benzene

Concen: 23.425 ug/L

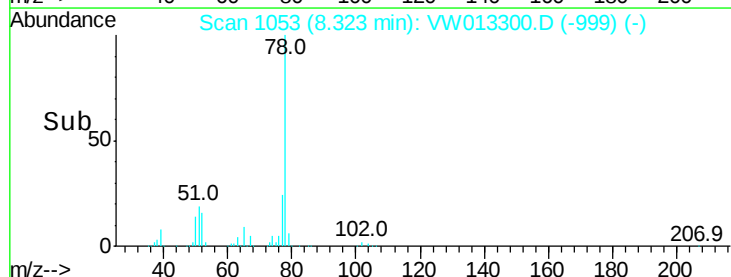
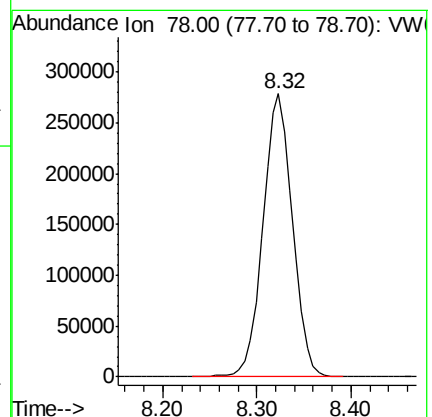
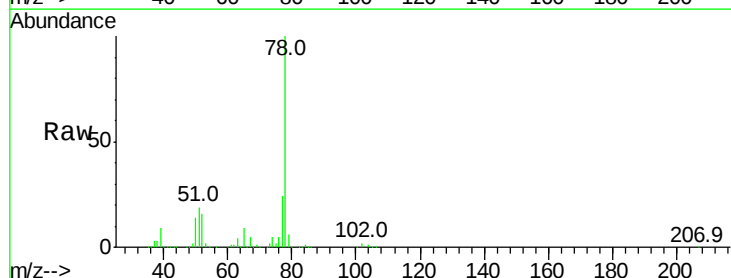
RT: 8.32 min Scan# 1053

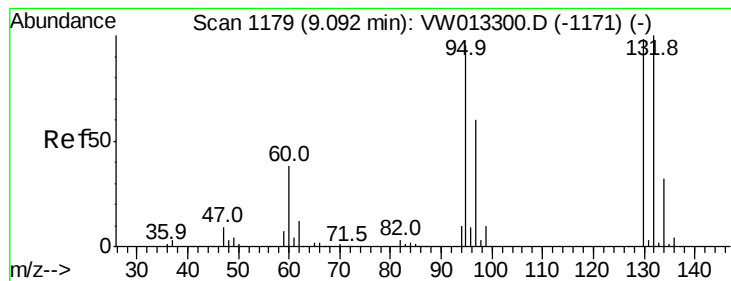
Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Tgt Ion: 78 Resp: 611275





#35

Trichloroethene

Concen: 23.021 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 95 Resp: 158540

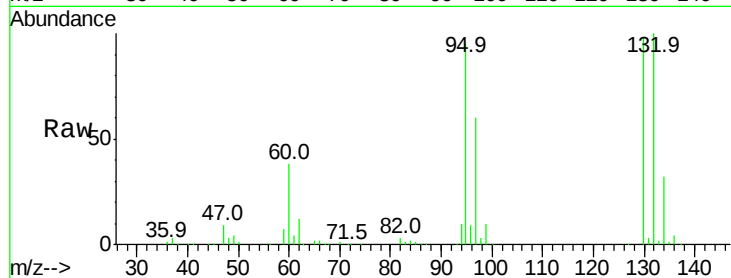
Ion Ratio Lower Upper

95 100

97 63.3 44.3 82.3

132 102.5 71.7 133.3

130 105.9 74.1 137.7

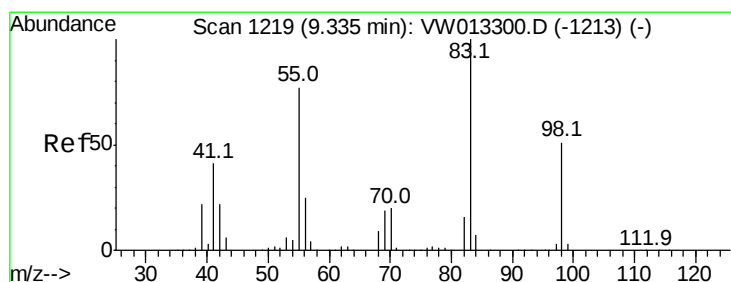
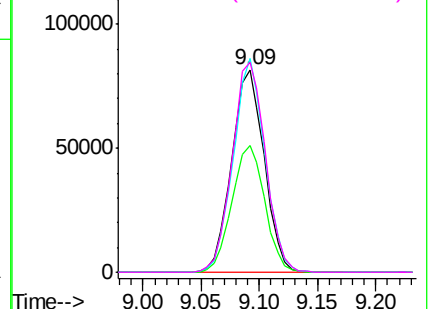
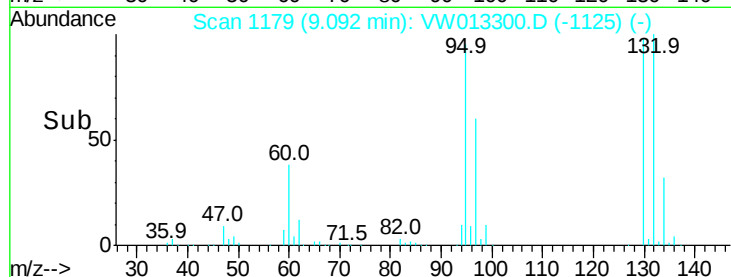


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.877 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

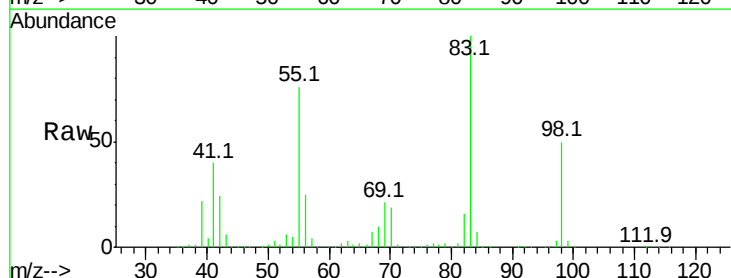
Tgt Ion: 83 Resp: 284347

Ion Ratio Lower Upper

83 100

55 77.2 61.8 92.6

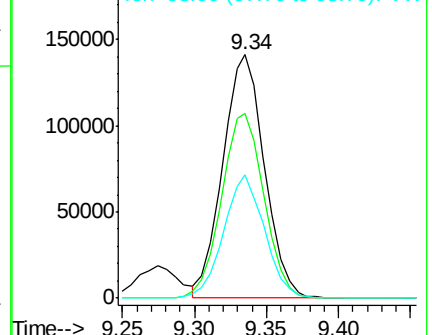
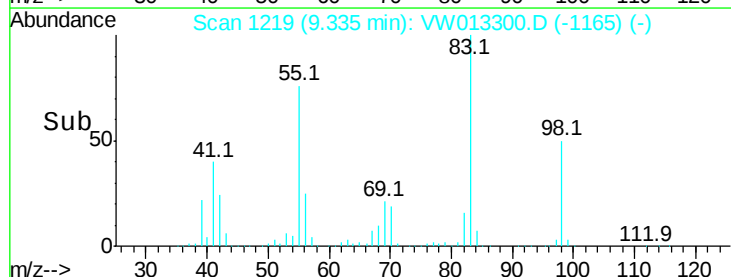
98 49.5 39.6 59.4

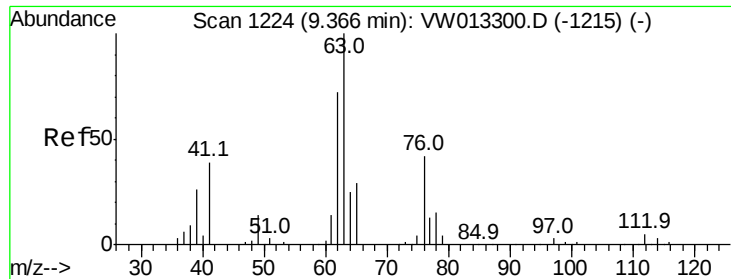


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

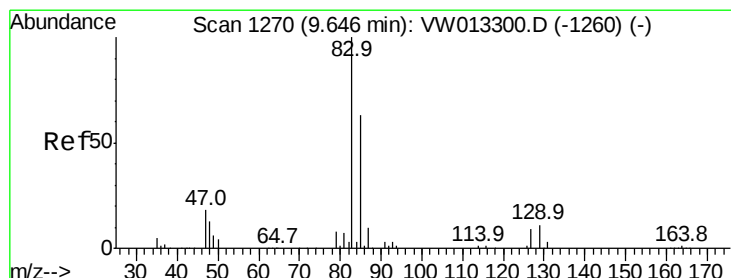
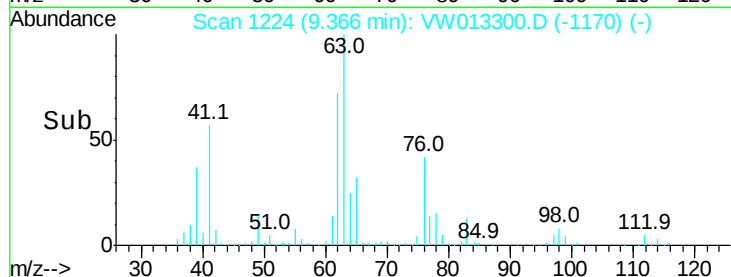
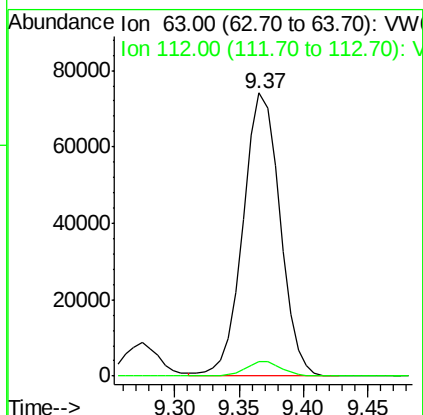
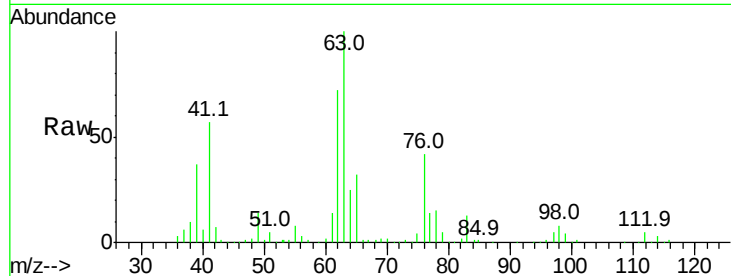




#40
 1,2-Dichloropropane
 Concen: 22.428 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

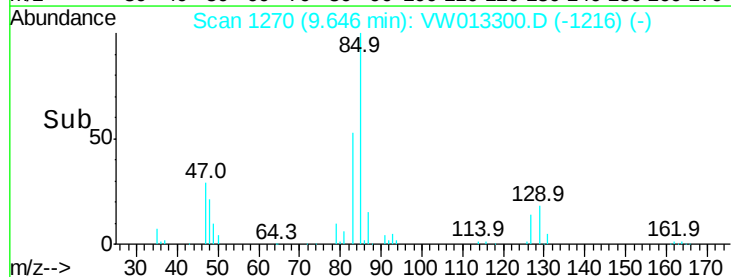
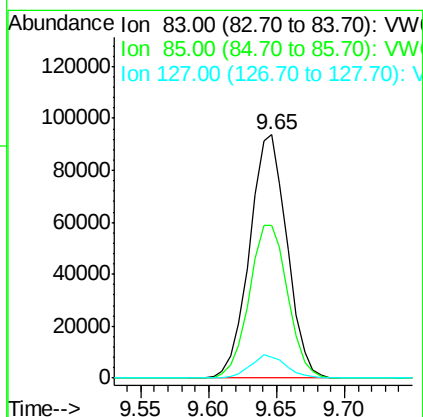
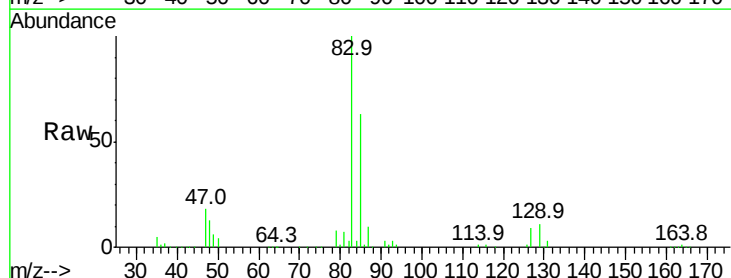
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

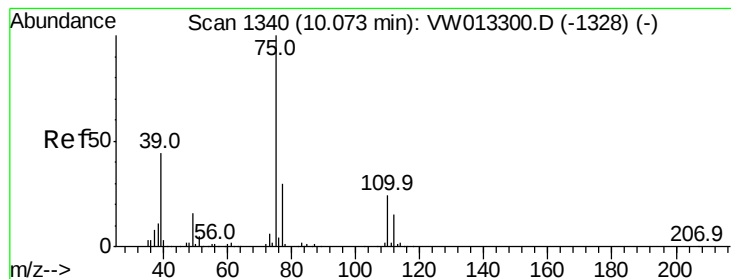
Tgt Ion: 63 Resp: 147215
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#41
 Bromodichloromethane
 Concen: 21.637 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion: 83 Resp: 180928
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.8 81.4
 127 8.8 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 23.041 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampled :

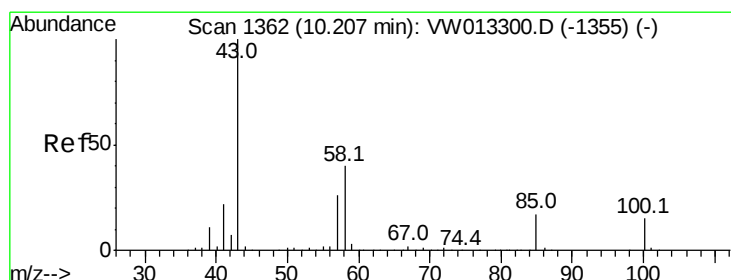
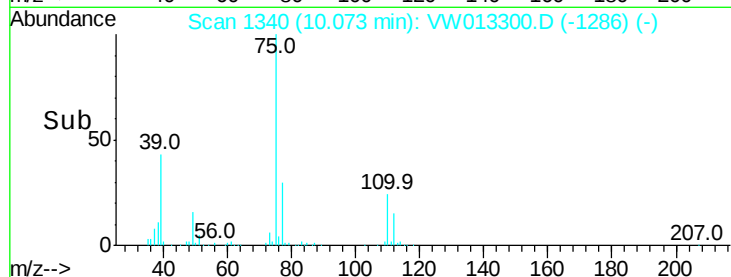
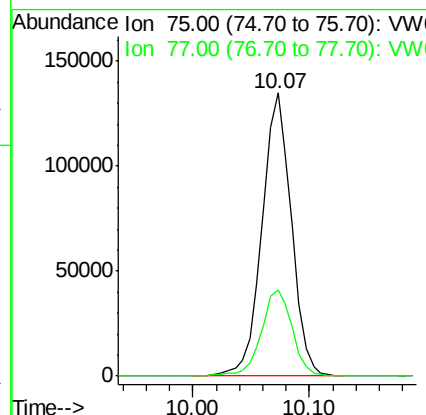
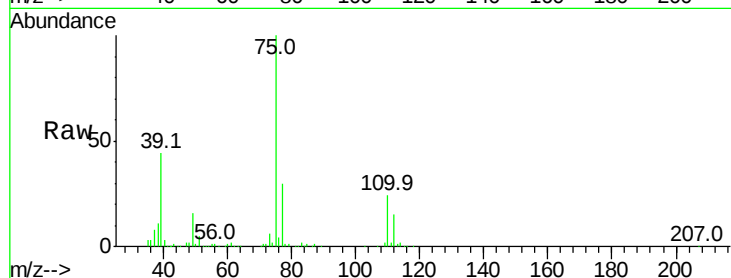
VSTD02503

Tgt Ion: 75 Resp: 237615

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 56.850 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

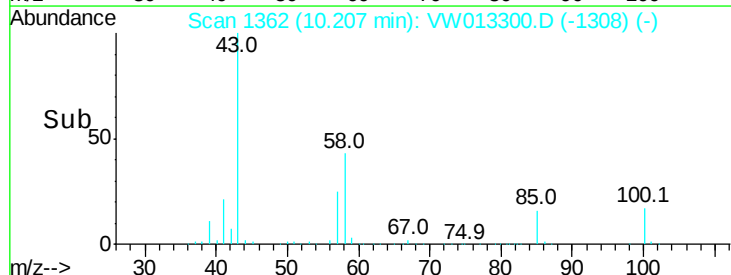
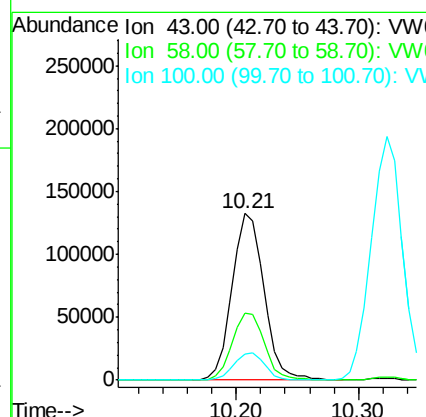
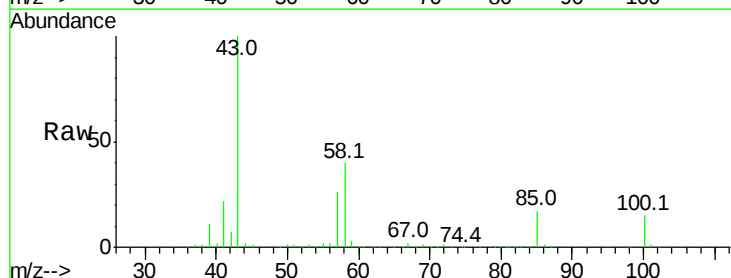
Tgt Ion: 43 Resp: 237387

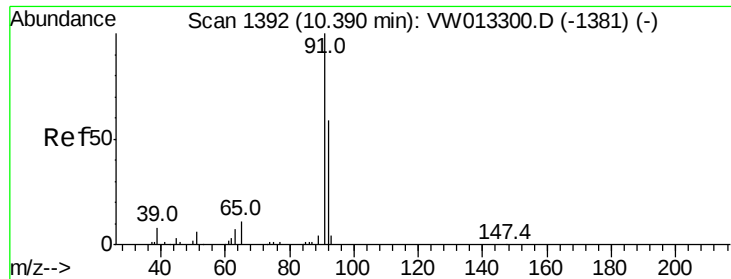
Ion Ratio Lower Upper

43 100

58 40.9 32.7 49.1

100 16.1 12.9 19.3





#44

Toluene

Concen: 23.542 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

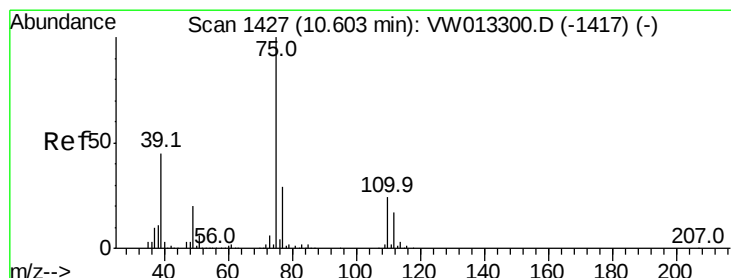
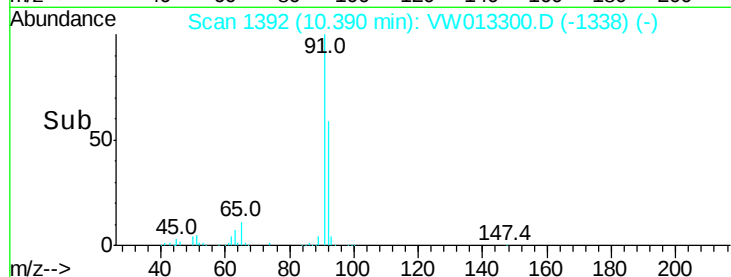
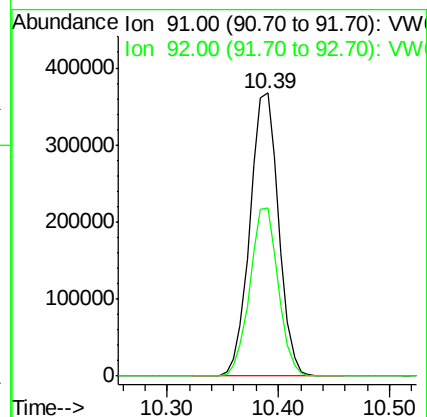
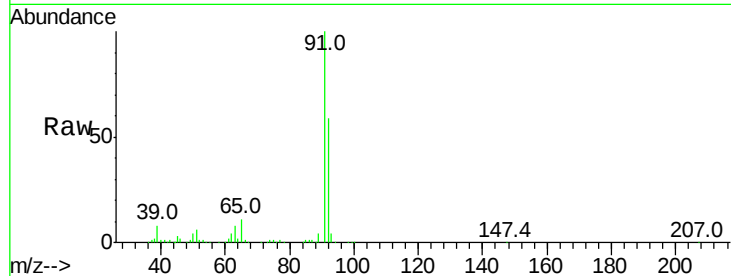
VSTD02503

Tgt Ion: 91 Resp: 657342

Ion Ratio Lower Upper

91 100

92 59.3 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 23.158 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013300.D

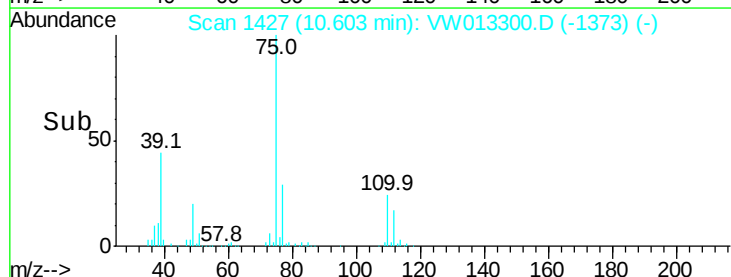
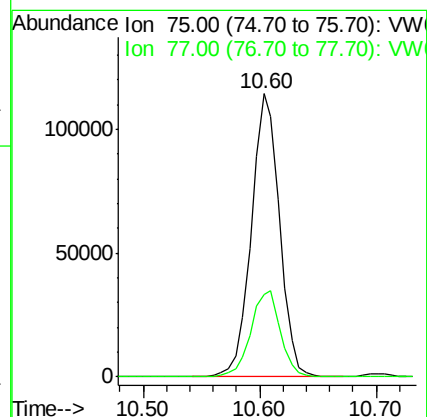
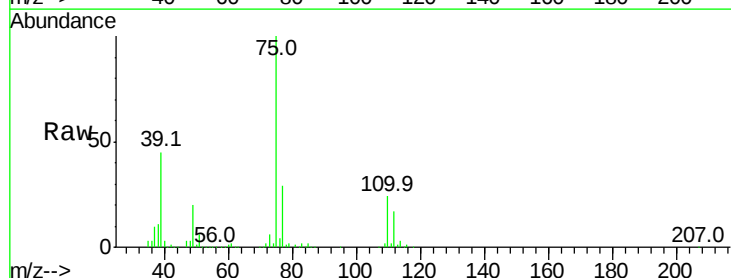
Acq: 26 Sep 2019 10:53

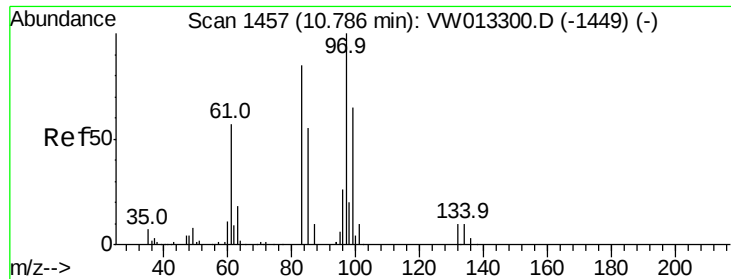
Tgt Ion: 75 Resp: 193577

Ion Ratio Lower Upper

75 100

77 29.3 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 25.997 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 114750

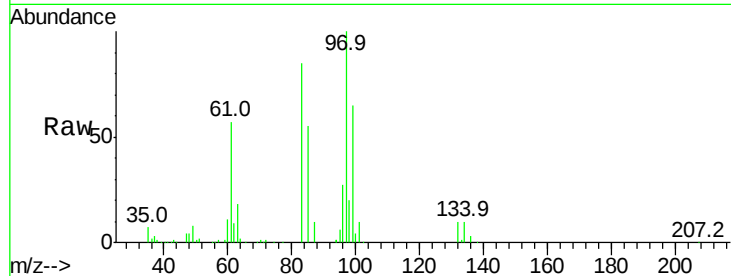
Ion Ratio Lower Upper

97 100

83 84.8 59.4 110.2

85 55.3 38.7 71.9

99 65.4 45.8 85.0

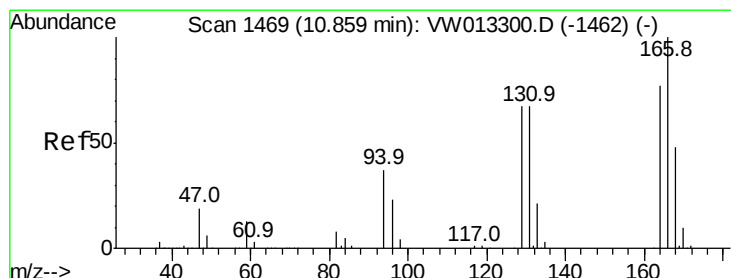
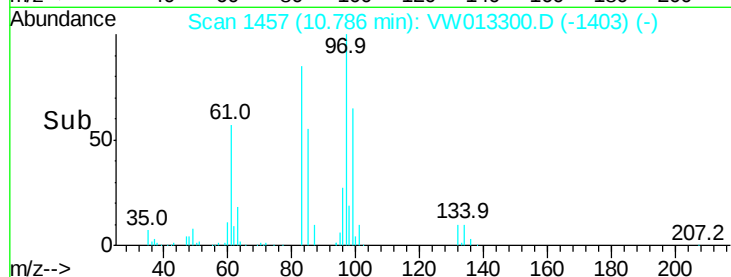
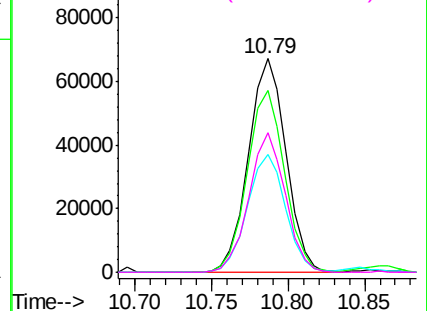


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.187 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Tgt Ion: 164 Resp: 143432

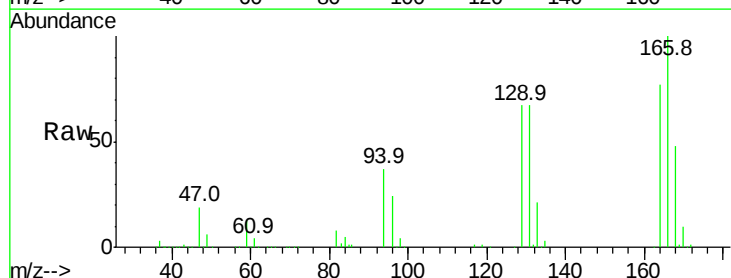
Ion Ratio Lower Upper

164 100

129 86.5 60.5 112.5

131 86.6 60.6 112.6

166 129.4 90.6 168.2

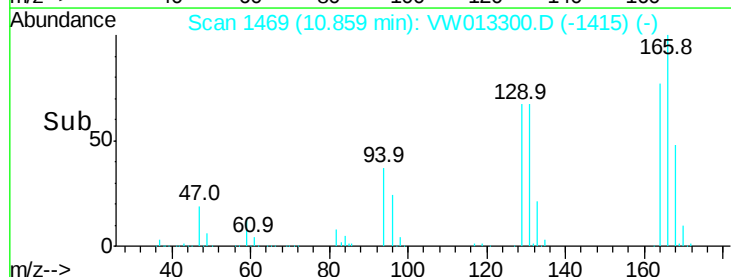
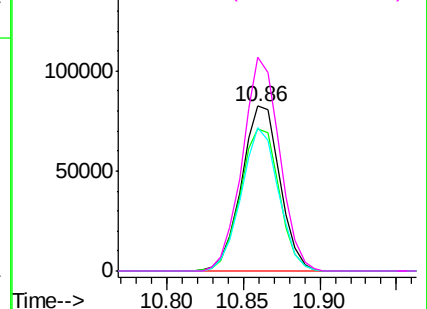


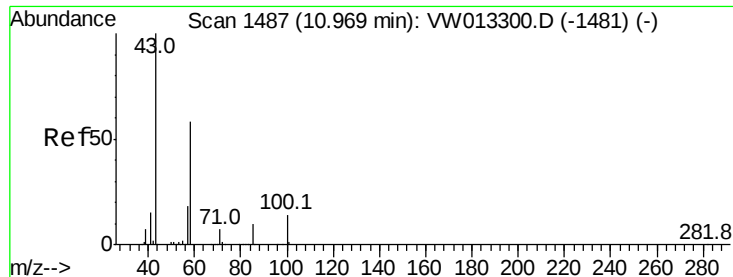
Abundance Ion 164.00 (163.70 to 164.70): V

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

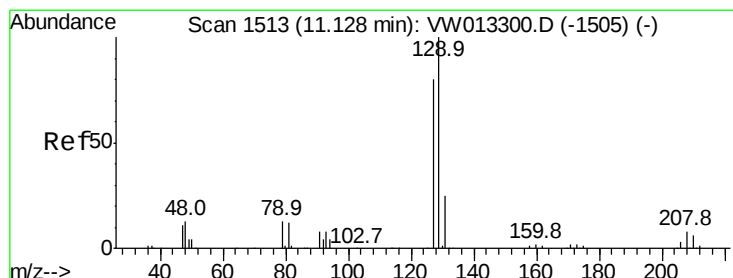
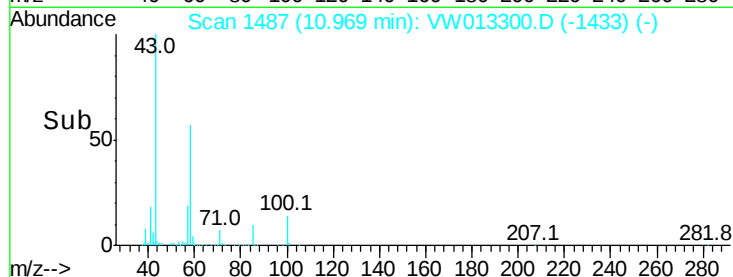
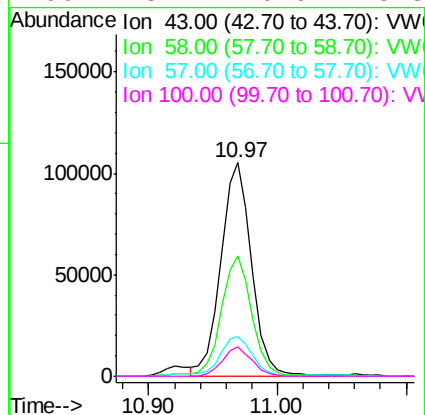
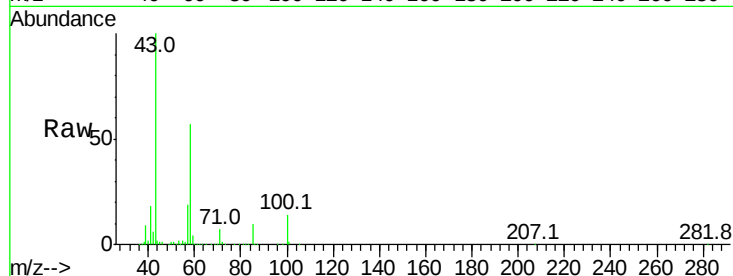




#49
2-Hexanone
Concen: 56.978 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

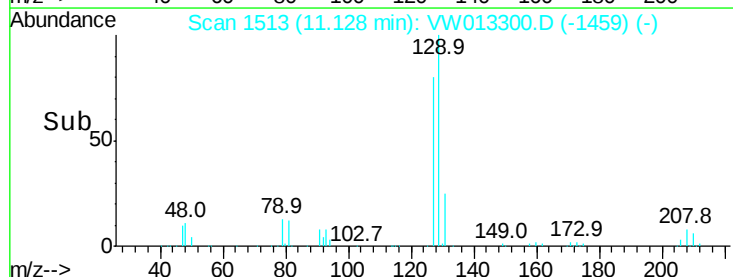
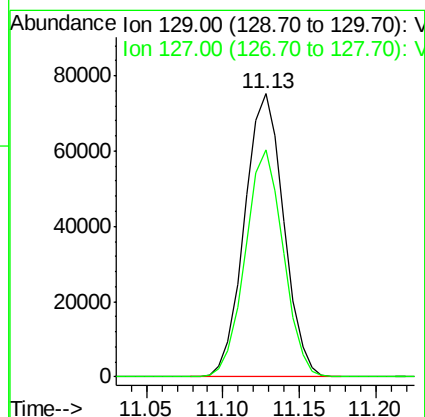
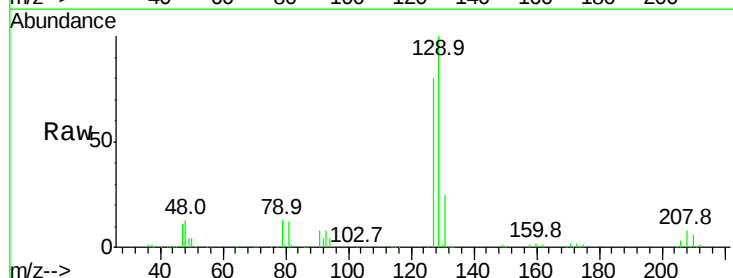
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

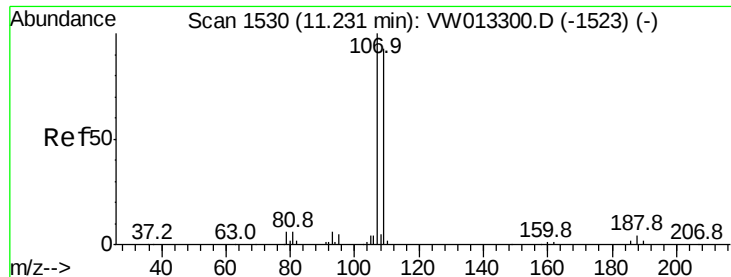
Tgt Ion:	43	Resp:	175867
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.3	66.5
57	19.1	15.3	22.9
100	13.2	10.6	15.8



#50
Dibromochloromethane
Concen: 24.890 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion:	129	Resp:	133803
Ion	Ratio	Lower	Upper
129	100		
127	80.1	56.1	104.1

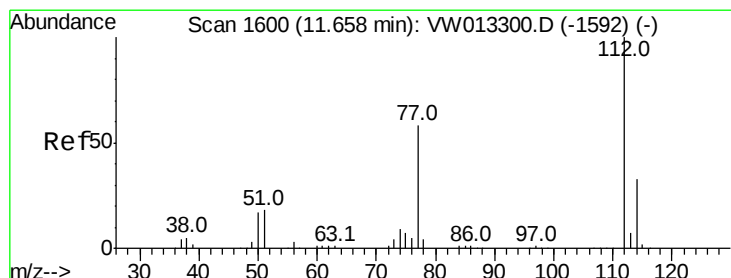
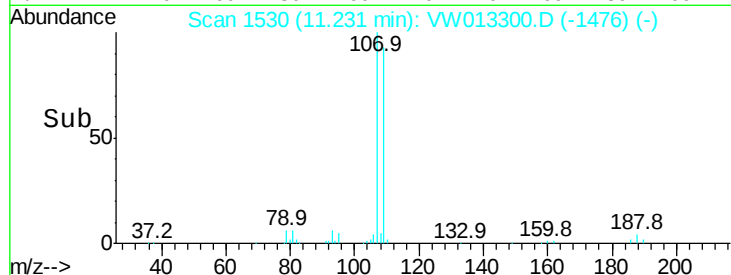
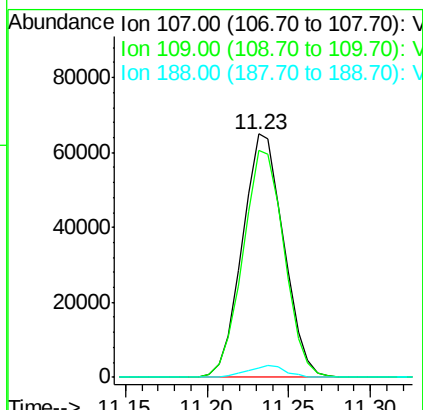
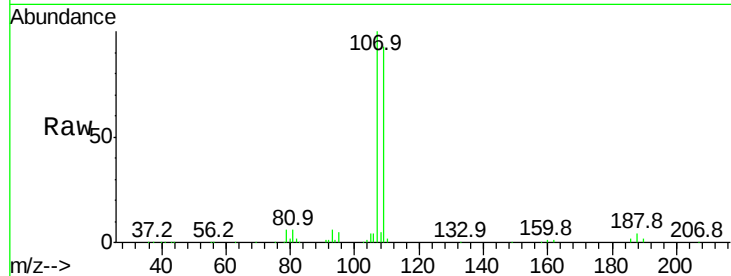




#51
1,2-Dibromoethane
Concen: 27.126 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

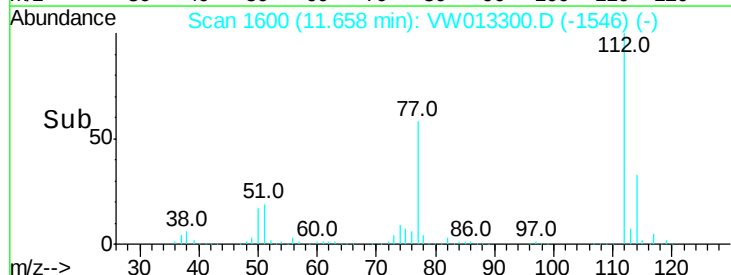
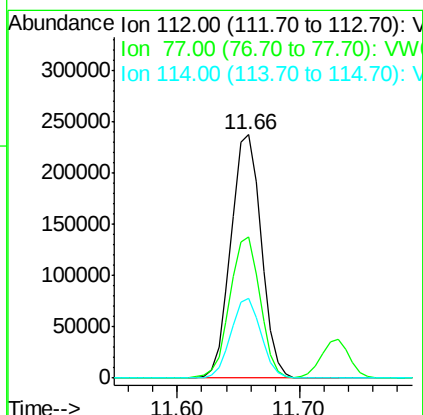
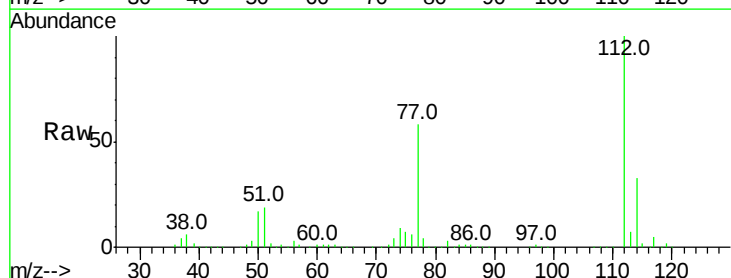
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

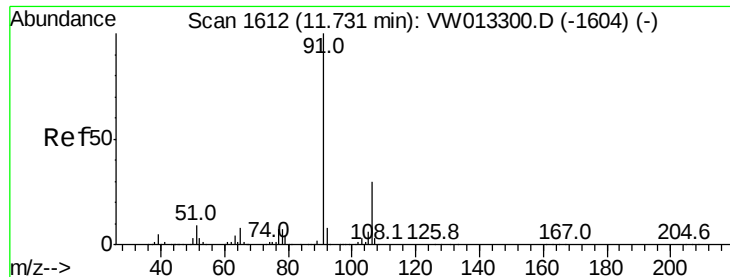
Tgt Ion:107 Resp: 115175
Ion Ratio Lower Upper
107 100
109 93.5 65.5 121.6
188 3.8 3.0 4.6



#52
Chlorobenzene
Concen: 23.400 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion:112 Resp: 408228
Ion Ratio Lower Upper
112 100
77 58.1 46.5 69.7
114 32.9 23.0 42.8

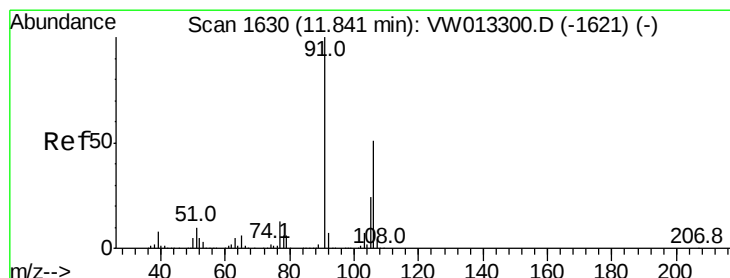
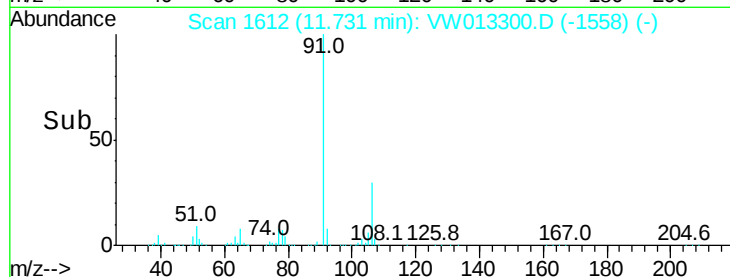
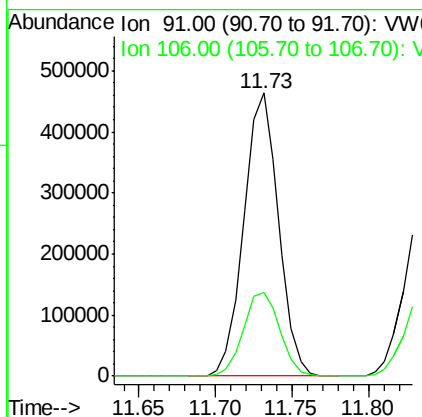
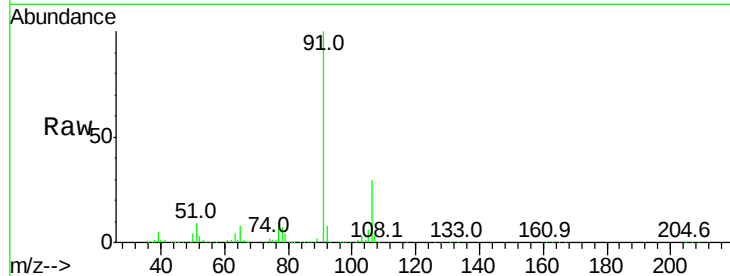




#53
 Ethylbenzene
 Concen: 23.045 ug/L
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

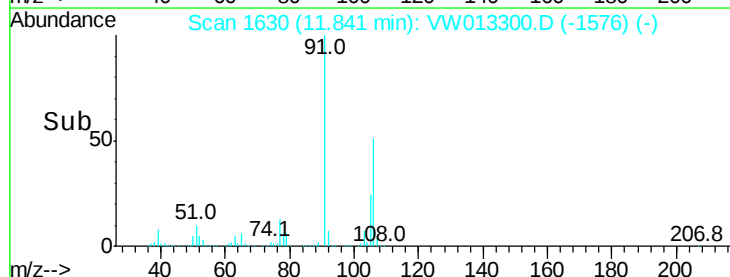
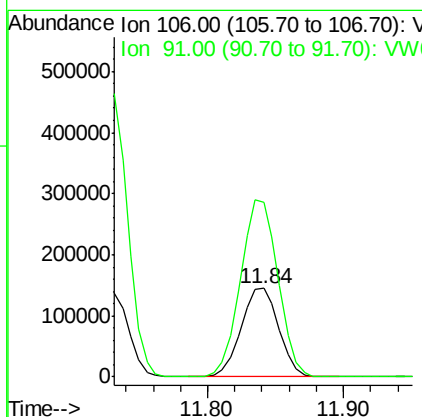
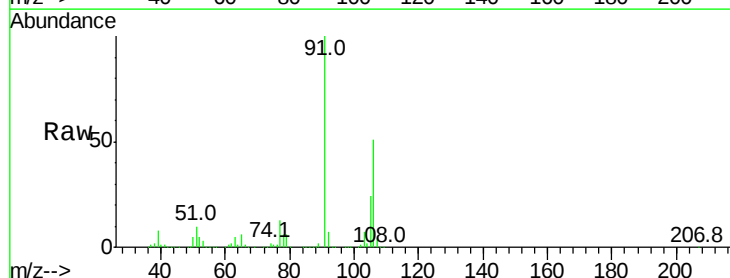
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

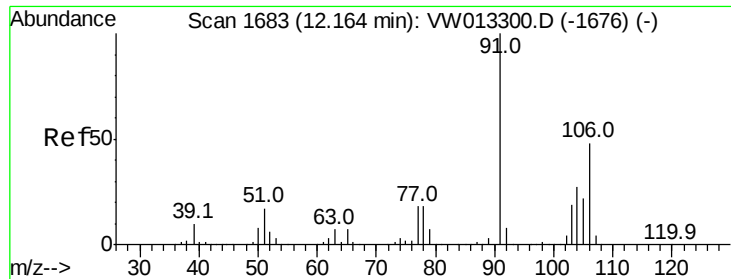
Tgt Ion: 91 Resp: 730279
 Ion Ratio Lower Upper
 91 100
 106 29.7 20.8 38.6



#54
 m,p-Xylene
 Concen: 23.773 ug/L
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion: 106 Resp: 281667
 Ion Ratio Lower Upper
 106 100
 91 197.6 138.3 256.9

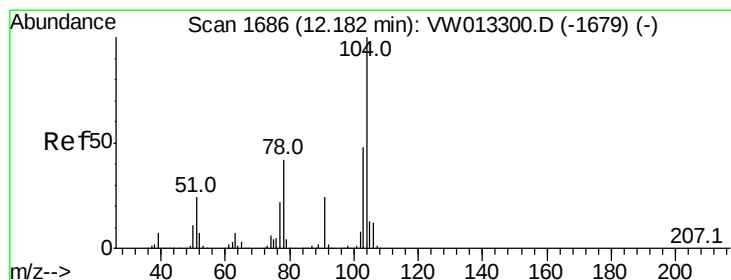
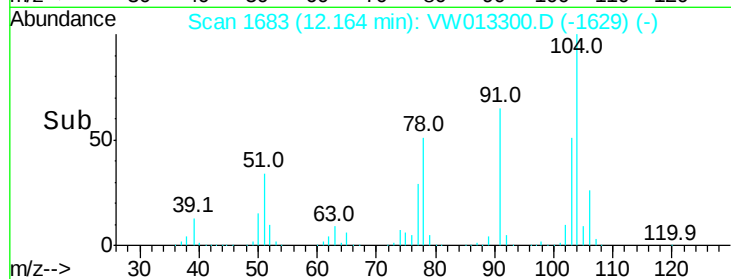
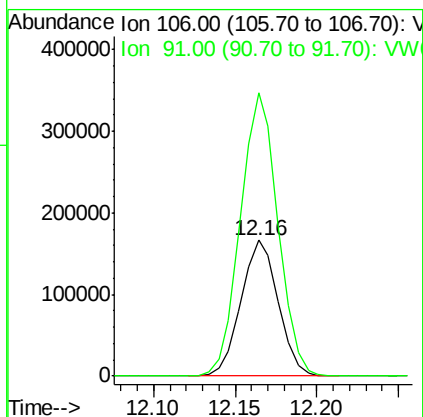
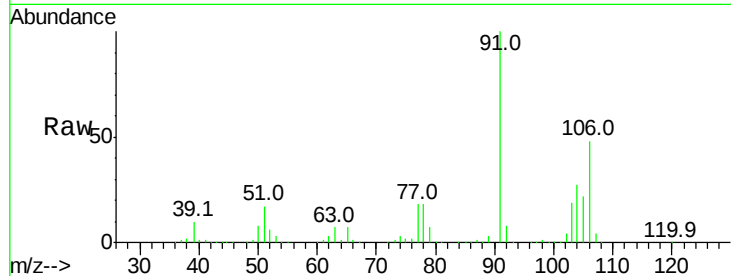




#55
o-xylene
Concen: 23.719 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

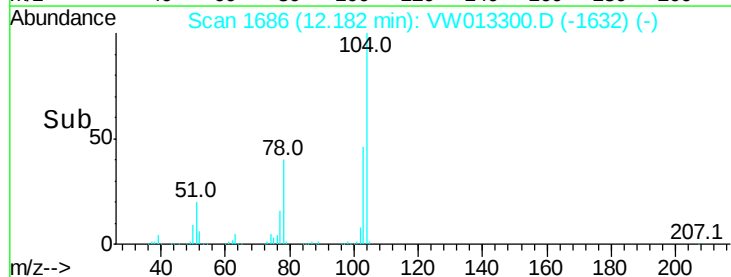
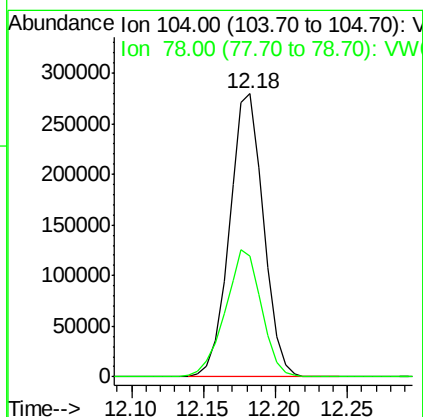
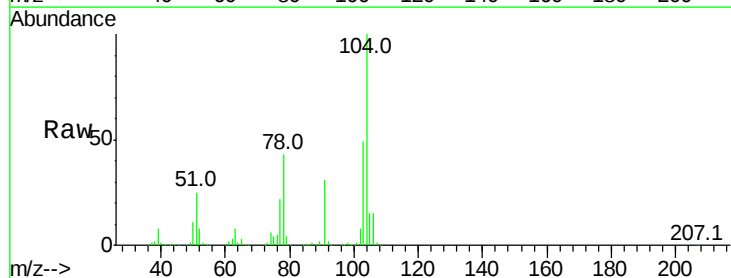
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

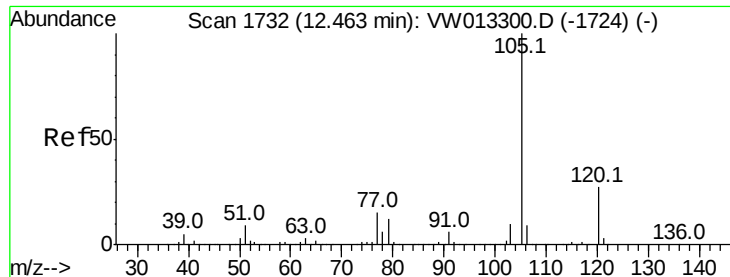
Tgt Ion:106 Resp: 264368
Ion Ratio Lower Upper
106 100
91 208.5 145.9 271.1



#56
Styrene
Concen: 24.259 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013300.D
Acq: 26 Sep 2019 10:53

Tgt Ion:104 Resp: 460097
Ion Ratio Lower Upper
104 100
78 42.6 29.8 55.4





#57

Isopropylbenzene

Concen: 23.674 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

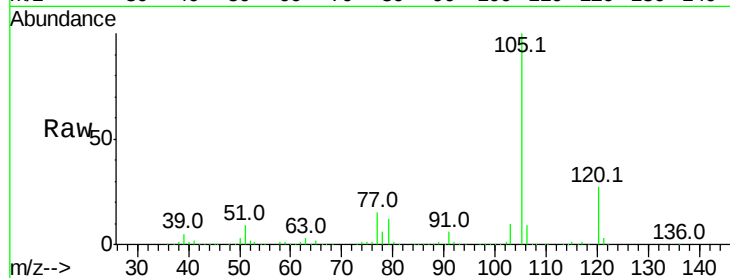
Tgt Ion: 105 Resp: 724597

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

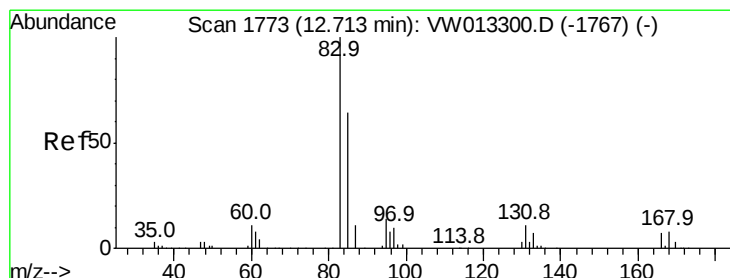
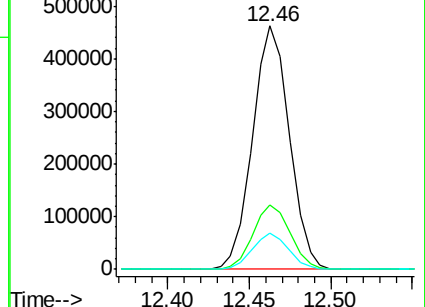
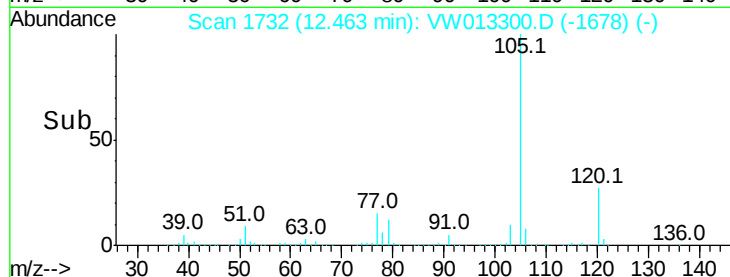
77 14.7 11.8 17.6



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: 29.308 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

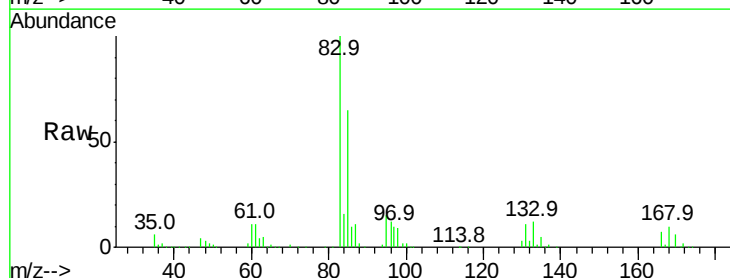
Tgt Ion: 83 Resp: 147141

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

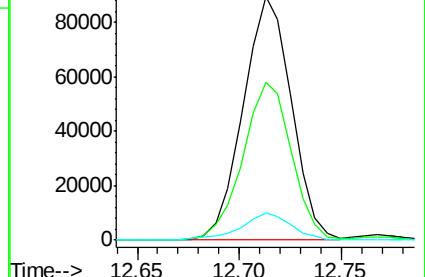
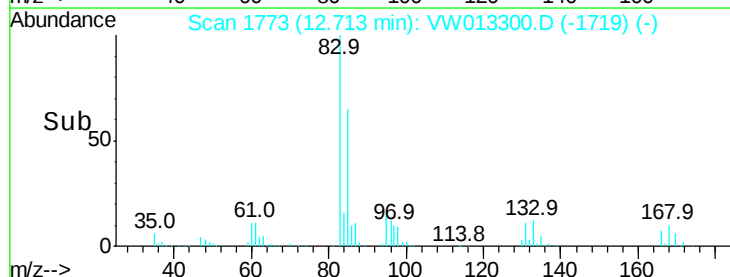
131 11.1 8.9 13.3

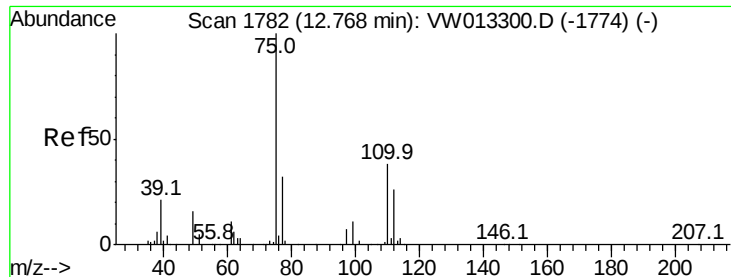


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.154 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

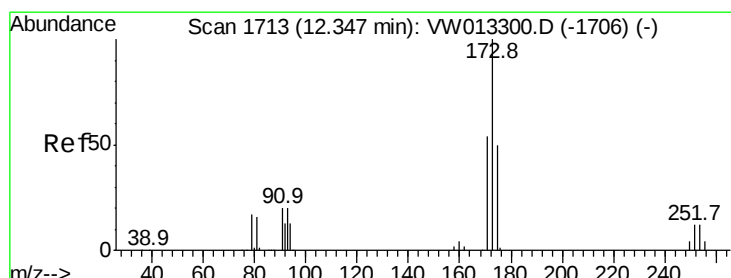
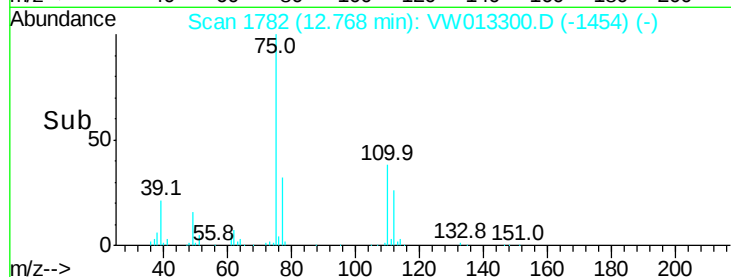
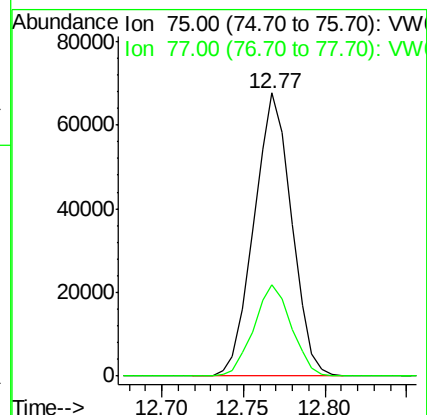
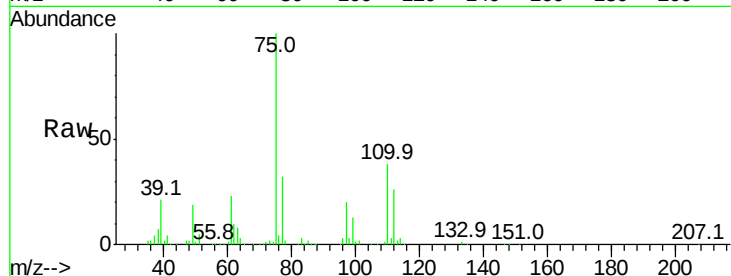
VSTD02503

Tgt Ion: 75 Resp: 108922

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#62

Bromoform

Concen: 26.816 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

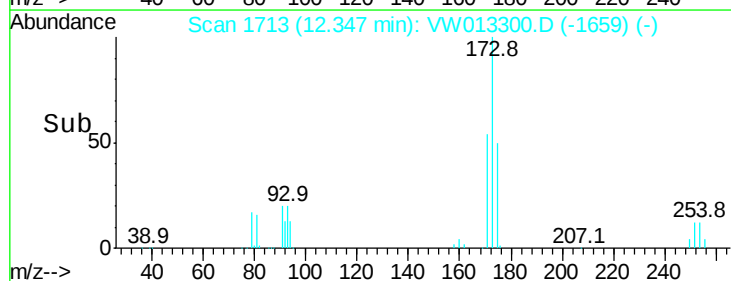
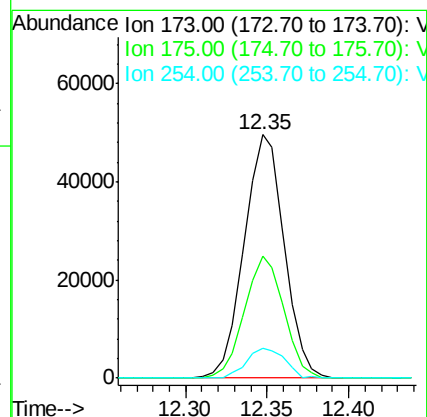
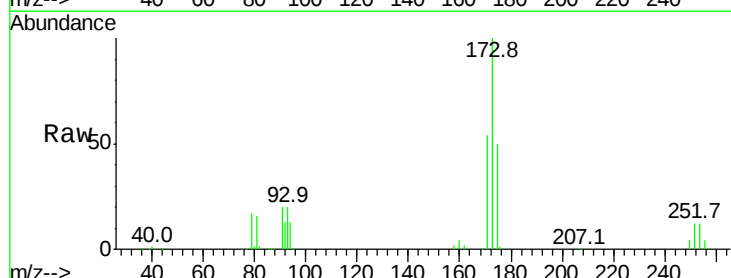
Tgt Ion: 173 Resp: 84899

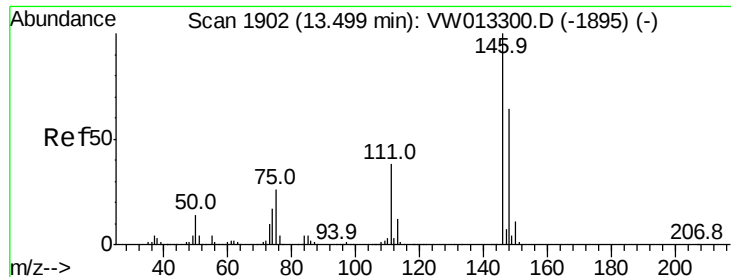
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 11.4 9.1 13.7

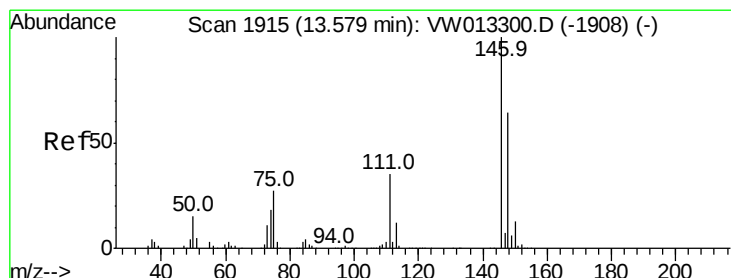
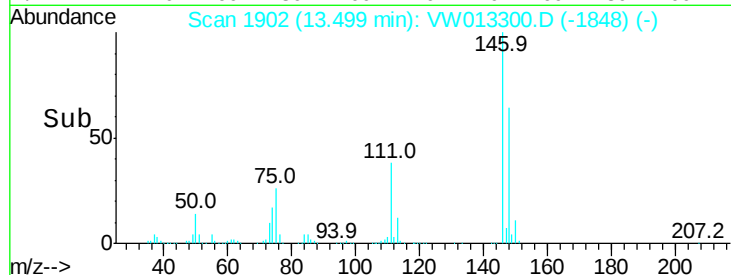
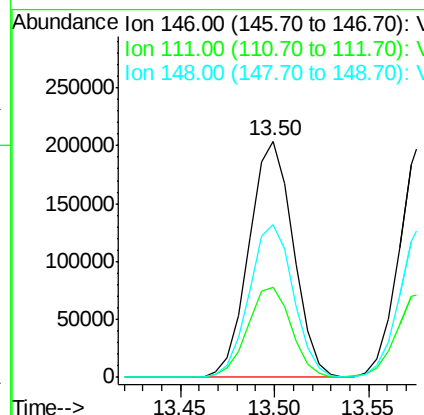
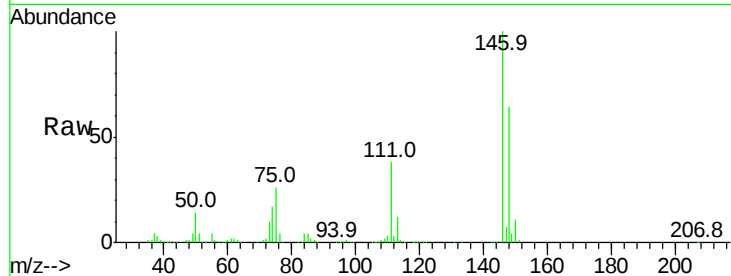




#63
 1,3-Dichlorobenzene
 Concen: 23.650 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

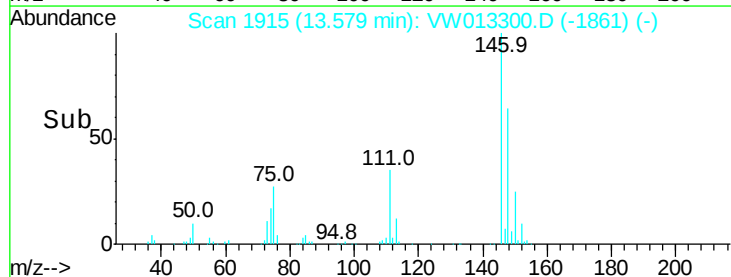
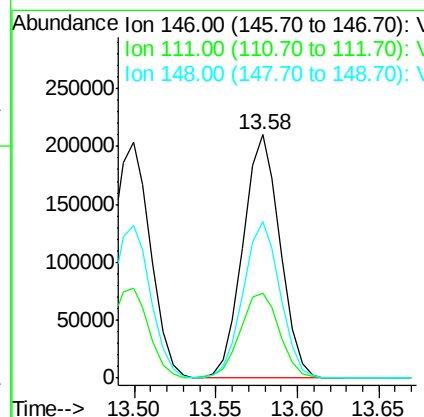
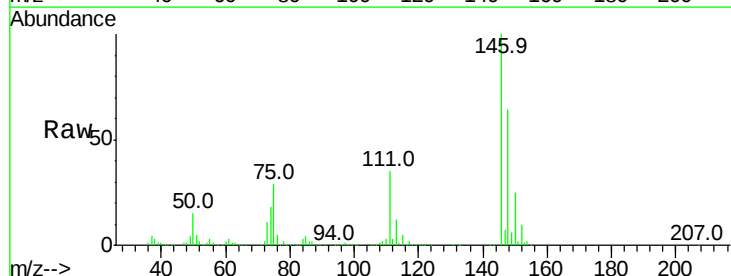
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

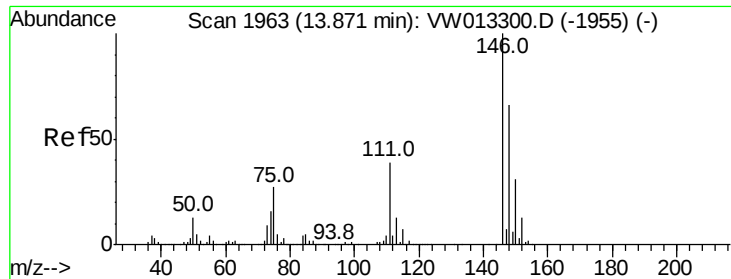
Tgt Ion:146 Resp: 331876
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.5
 148 64.3 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 23.799 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion:146 Resp: 333173
 Ion Ratio Lower Upper
 146 100
 111 34.6 24.2 45.0
 148 64.4 45.1 83.7

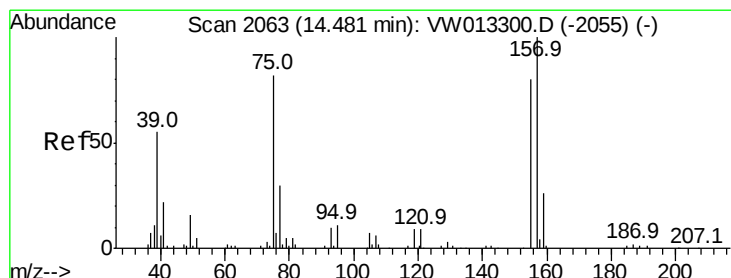
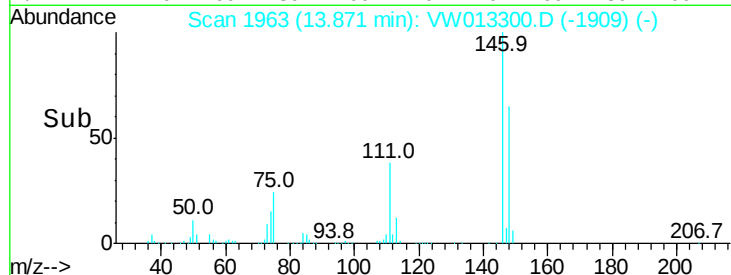
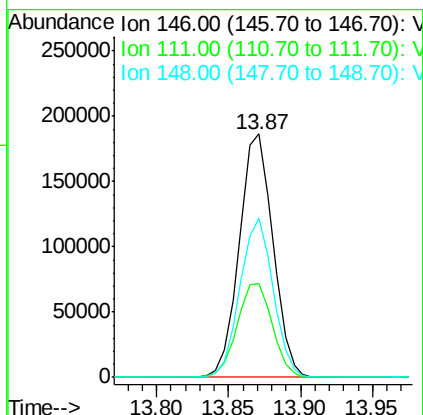
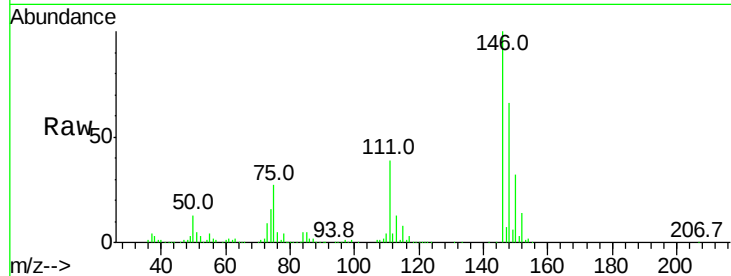




#65
 1,2-Dichlorobenzene
 Concen: 24.081 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

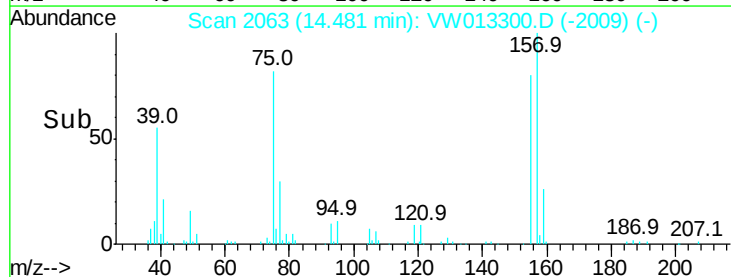
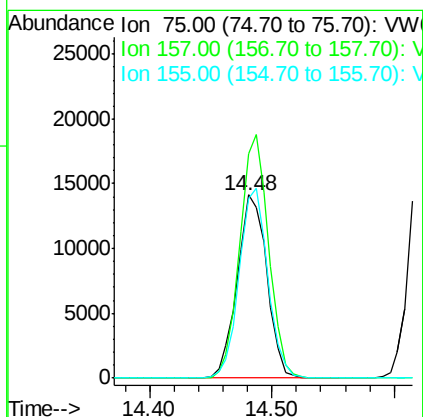
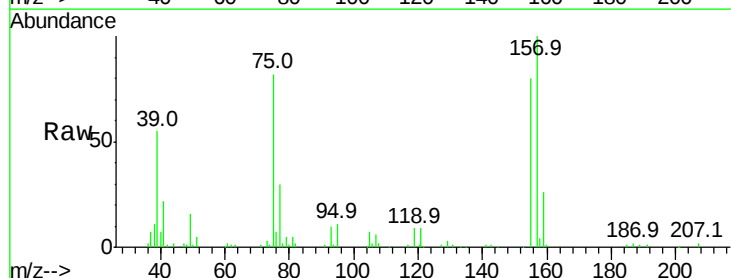
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

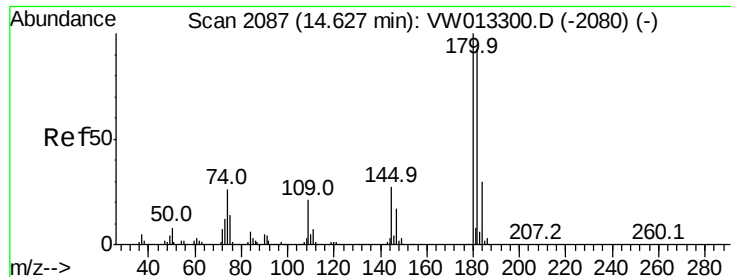
Tgt Ion:146 Resp: 303036
 Ion Ratio Lower Upper
 146 100
 111 38.5 30.8 46.2
 148 65.6 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.223 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion: 75 Resp: 23742
 Ion Ratio Lower Upper
 75 100
 157 122.3 97.8 146.8
 155 98.0 78.4 117.6

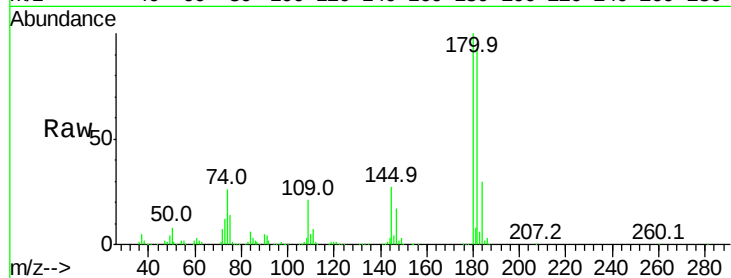




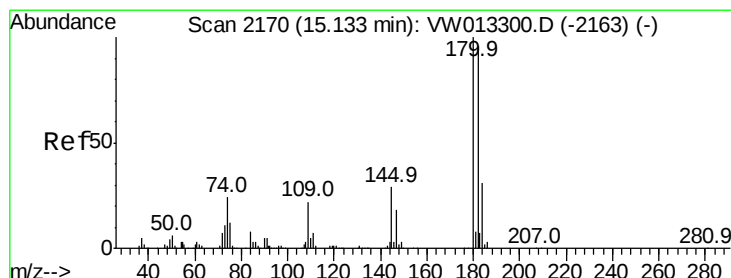
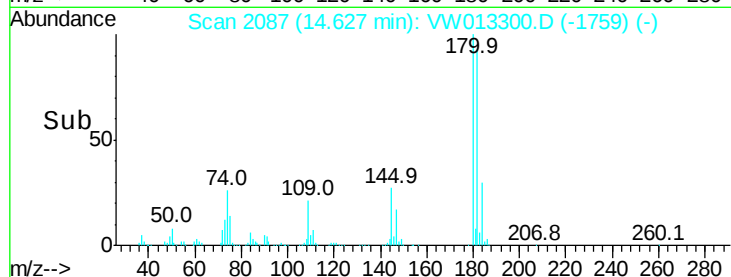
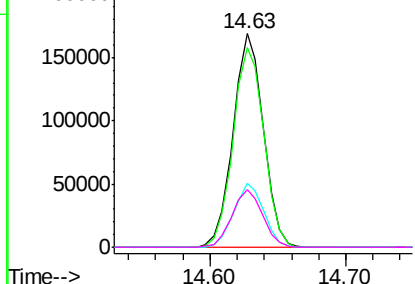
#67
 1,3,5-Trichlorobenzene
 Concen: 24.120 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:	180	Resp:	260355
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	29.9	23.9	35.9
145	27.1	21.7	32.5

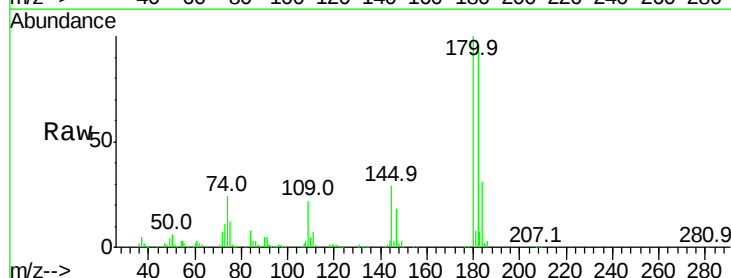


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

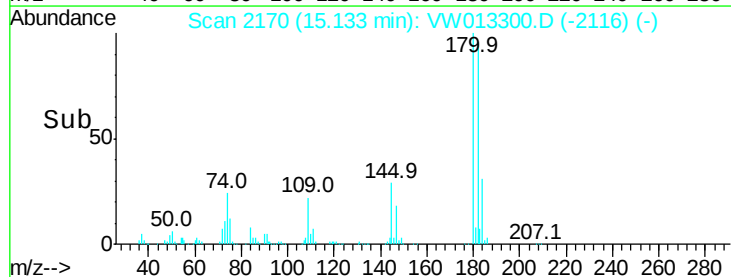
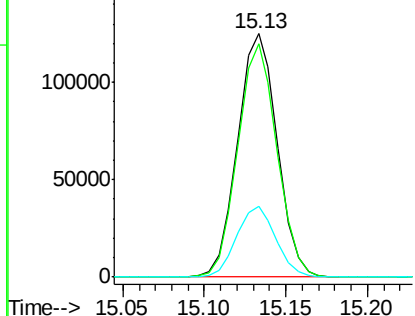


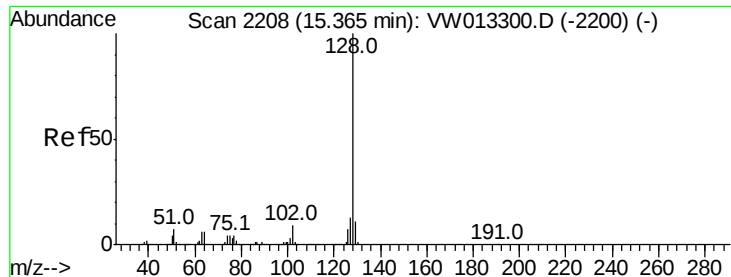
#68
 1,2,4-trichlorobenzene
 Concen: 24.633 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013300.D
 Acq: 26 Sep 2019 10:53

Tgt Ion:	180	Resp:	210780
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	28.7	23.0	34.4



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: 30.668 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

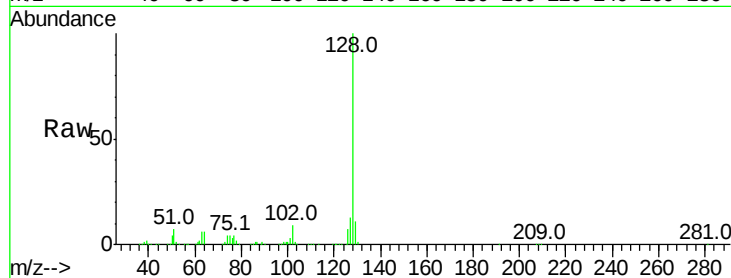
Tgt Ion:128 Resp: 425004

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

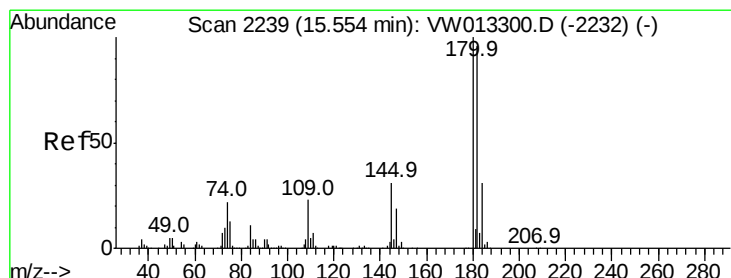
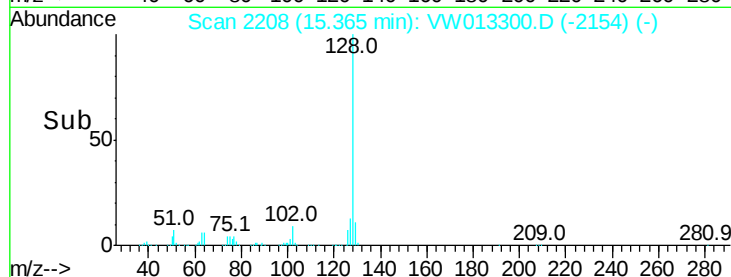
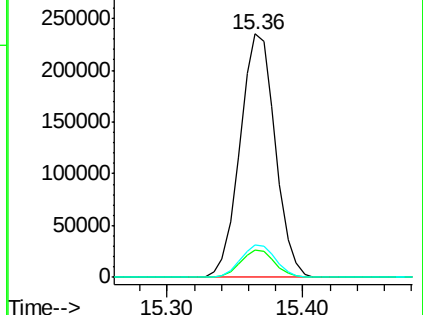
127 13.2 10.6 15.8



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: 25.101 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013300.D

Acq: 26 Sep 2019 10:53

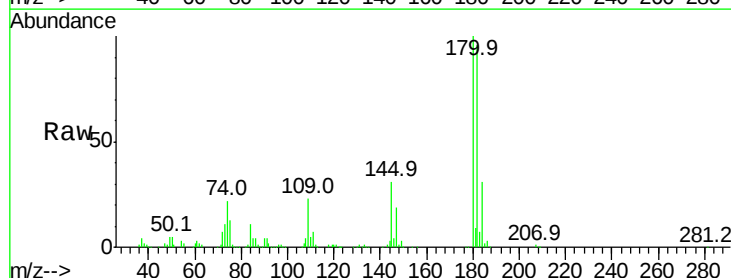
Tgt Ion:180 Resp: 189510

Ion Ratio Lower Upper

180 100

182 97.8 78.2 117.4

145 30.1 24.1 36.1



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

