

Data File : VW015464.D
Acq On : 26 May 2020 10:07
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Quant Time: May 26 11:58:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	409104	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	362249	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	165135	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	10008	1.96	ug/L	0.00
7) Chloroethane-d5	2.90	69	9459	1.92	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	23927	2.30	ug/L	0.00
20) 2-Butanone-d5	7.09	46	5352	3.91	ug/L	0.00
24) Chloroform-d	7.65	84	23466	2.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	12747	2.23	ug/L	0.00
29) Benzene-d6	8.27	84	45361	2.29	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	13524	2.25	ug/L	0.00
37) Toluene-d8	10.32	98	44188	2.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5965	2.18	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3888	3.50	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9390	2.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	13919	2.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	8406	2.341 ug/L	98
3) Chloromethane	2.22	50	11316	2.945 ug/L	98
5) Vinyl chloride	2.37	62	15641	2.620 ug/L	99
6) Bromomethane	2.79	94	9789	2.384 ug/L	97
8) Chloroethane	2.93	64	9465	2.372 ug/L	91
9) Trichlorofluoromethane	3.27	101	10557	2.426 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	12953	2.672 ug/L	# 82
12) 1,1-Dichloroethene	4.04	96	12671	2.582 ug/L	80
13) Acetone	4.12	43	4622	4.464 ug/L	92
14) Carbon disulfide	4.38	76	41275	2.708 ug/L	100
15) Methyl Acetate	4.68	43	4599	2.031 ug/L	97
16) Methylene chloride	4.92	84	13840	2.362 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	19752	2.476 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	12853	2.431 ug/L	95
19) 1,1-Dichloroethane	6.22	63	23716	2.381 ug/L	97
21) 2-Butanone	7.18	43	7938	5.100 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	13665	2.398 ug/L	97
23) Bromochloromethane	7.51	128	5757	2.424 ug/L	96
25) Chloroform	7.68	83	23630	2.400 ug/L	100
27) 1,2-Dichloroethane	8.40	62	15771	2.354 ug/L	99
30) Cyclohexane	7.96	56	23394	2.469 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	21011	2.584 ug/L	100
32) Carbon tetrachloride	8.07	117	18964	2.563 ug/L	99
34) Benzene	8.32	78	51904	2.449 ug/L	100
35) Trichloroethene	9.09	95	13835	2.436 ug/L	99
36) Methylcyclohexane	9.34	83	24890	2.468 ug/L	98
40) 1,2-Dichloropropane	9.37	63	12801	2.417 ug/L	# 93
41) Bromodichloromethane	9.65	83	16515	2.362 ug/L	# 96
42) cis-1,3-Dichloropropene	10.07	75	19078	2.231 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	14049	3.959 ug/L	98

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VSTD2.503

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Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	55558	2.399	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	16269	2.183	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	8550	2.303	ug/L	93
47) Tetrachloroethene	10.87	164	11355	2.665	ug/L	96
49) 2-Hexanone	10.97	43	8814	3.942	ug/L	99
50) Dibromochloromethane	11.13	129	9629	2.144	ug/L	92
51) 1,2-Dibromoethane	11.24	107	7949	2.243	ug/L	99
52) Chlorobenzene	11.66	112	34697	2.374	ug/L	98
53) Ethylbenzene	11.73	91	63631	2.356	ug/L	98
54) m,p-Xylene	11.84	106	23281	2.307	ug/L	96
55) o-xylene	12.16	106	21848	2.250	ug/L	96
56) Styrene	12.18	104	36433	2.198	ug/L	97
57) Isopropylbenzene	12.46	105	62490	2.330	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	9598	2.173	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	7255	2.163	ug/L	98
62) Bromoform	12.35	173	5208	2.135	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	25725	2.450	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26131	2.500	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	22152	2.398	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1630	2.189	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	17441	2.416	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	13293	2.230	ug/L	99
69) Naphthalene	15.37	128	21692	1.939	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	11110	2.163	ug/L	99

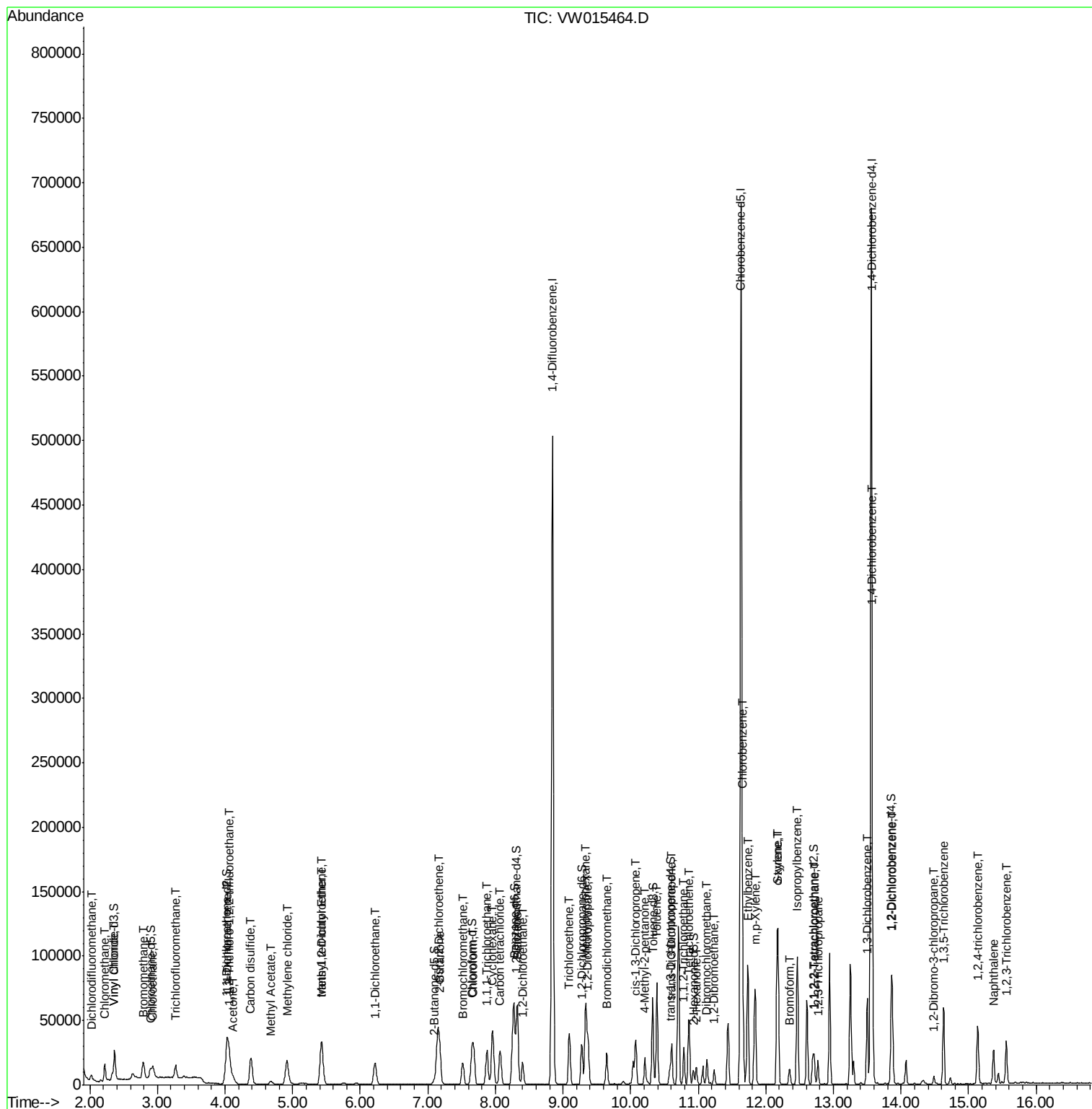
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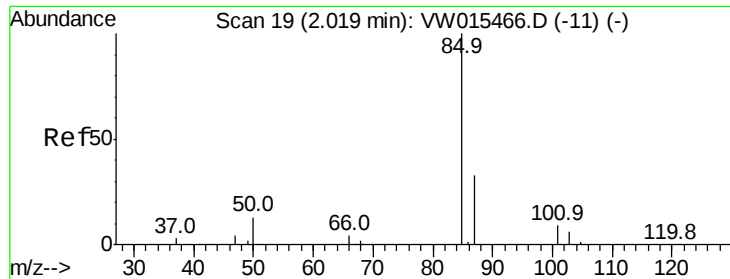
Data File : VW015464.D

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Instrument :
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Quant Time: May 26 11:58:28 2020
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#2

Dichlorodifluoromethane

Concen: 2.341 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

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Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

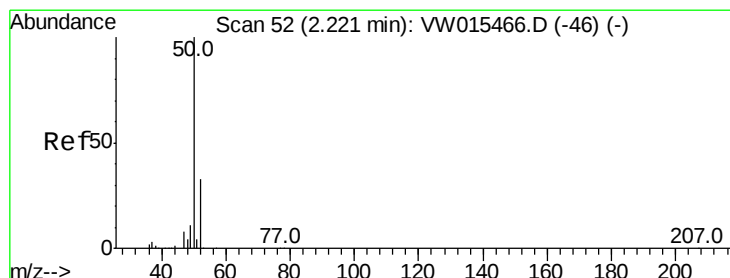
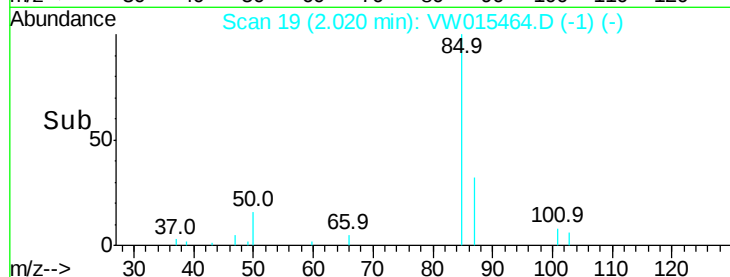
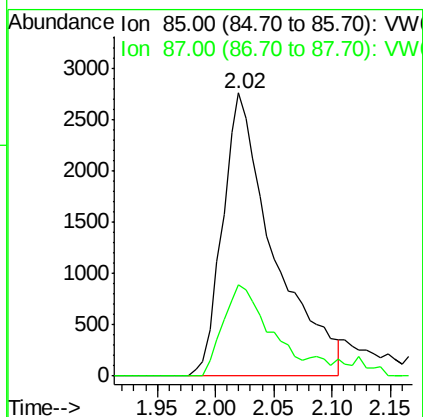
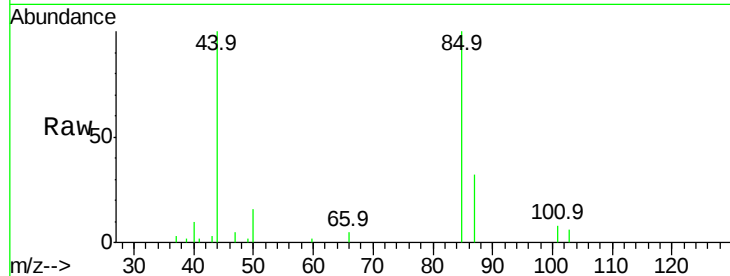
VSTD2.503

Tgt Ion: 85 Resp: 8406

Ion Ratio Lower Upper

85 100

87 29.3 21.1 39.1



#3

Chloromethane

Concen: 2.945 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015464.D

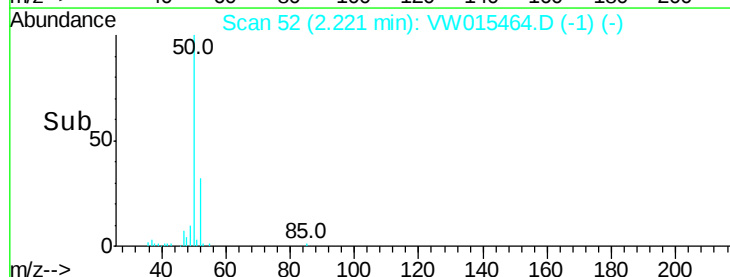
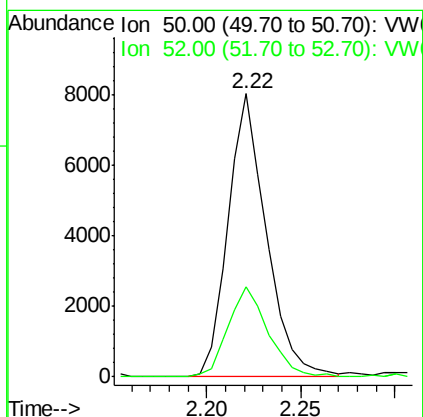
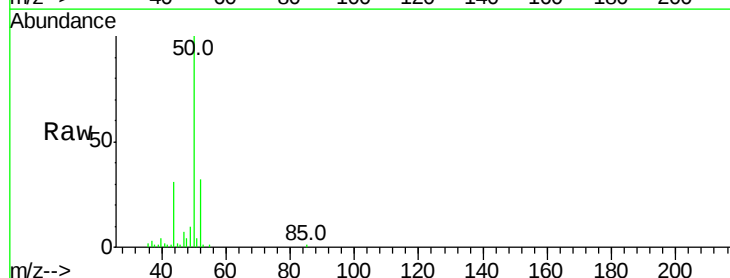
Acq: 26 May 2020 10:07

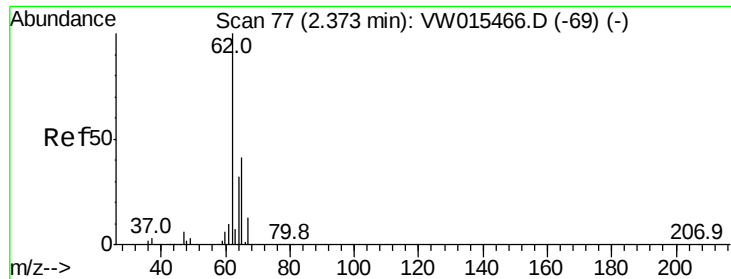
Tgt Ion: 50 Resp: 11316

Ion Ratio Lower Upper

50 100

52 32.0 23.3 43.3





#5

Vinyl chloride

Concen: 2.620 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

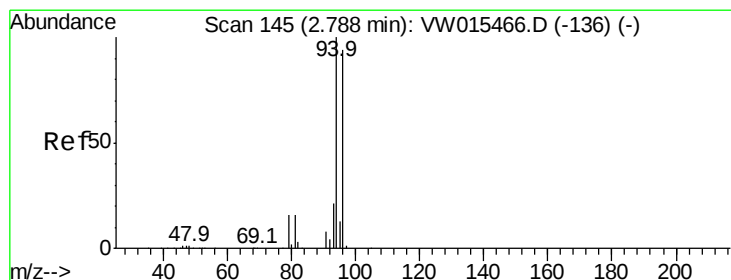
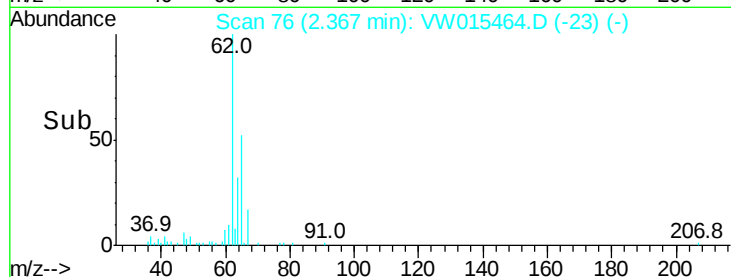
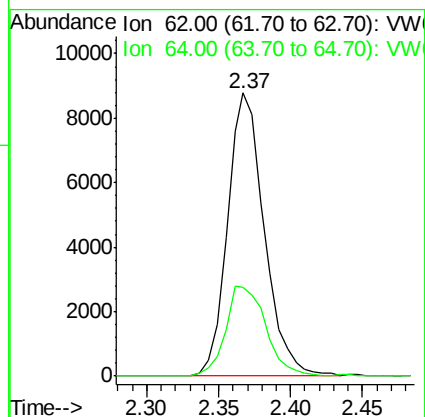
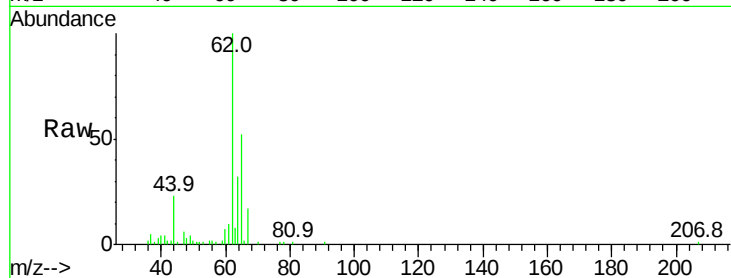
VSTD2.503

Tgt Ion: 62 Resp: 15641

Ion Ratio Lower Upper

62 100

64 31.6 22.6 42.0



#6

Bromomethane

Concen: 2.384 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW015464.D

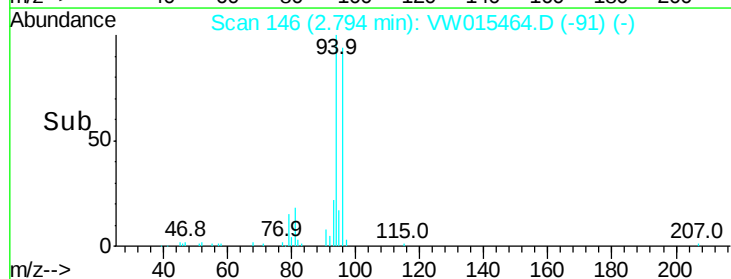
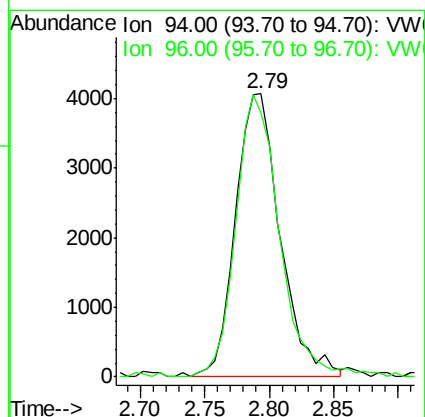
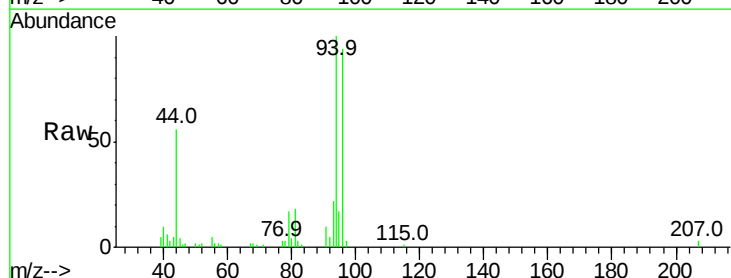
Acq: 26 May 2020 10:07

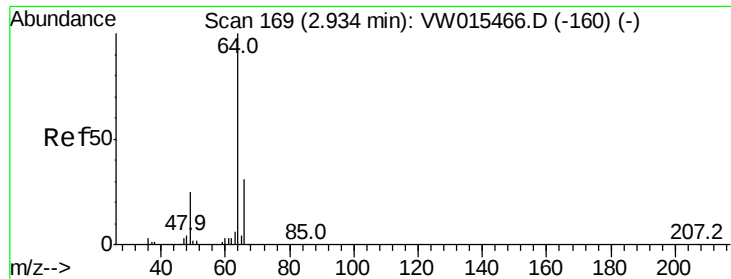
Tgt Ion: 94 Resp: 9789

Ion Ratio Lower Upper

94 100

96 95.9 9.3 177.5





#8

Chloroethane

Concen: 2.372 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

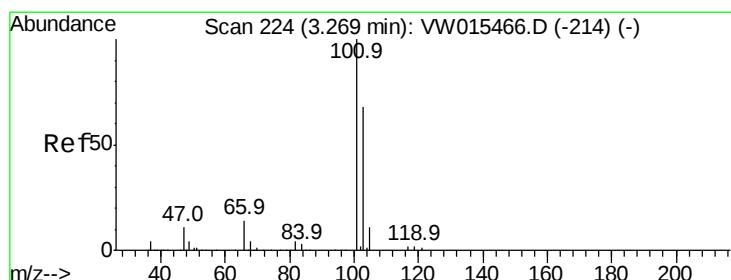
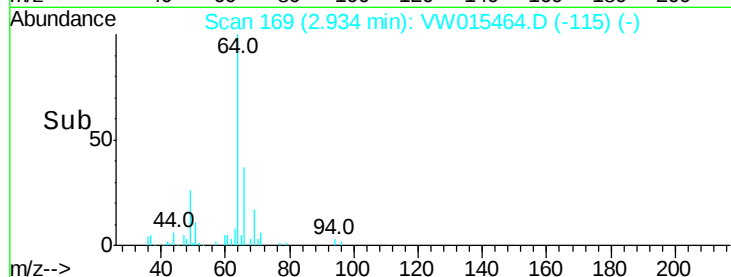
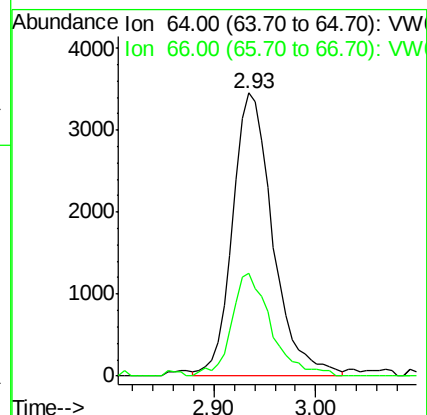
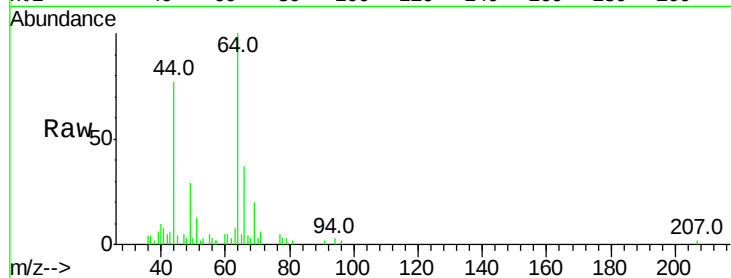
VSTD2.503

Tgt Ion: 64 Resp: 9465

Ion Ratio Lower Upper

64 100

66 36.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 2.426 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW015464.D

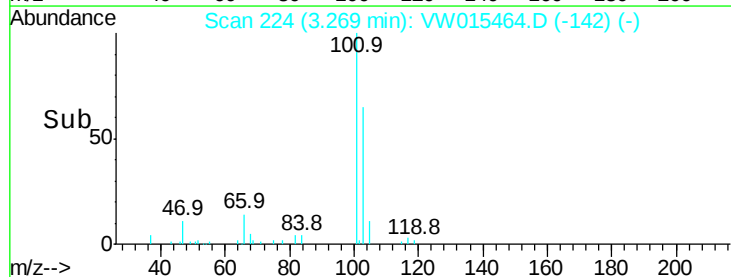
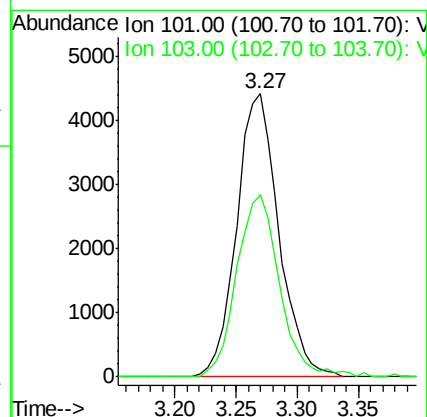
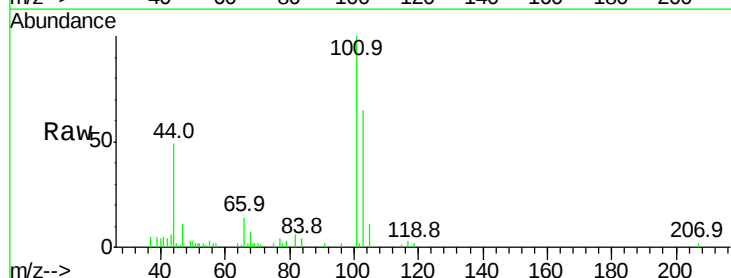
Acq: 26 May 2020 10:07

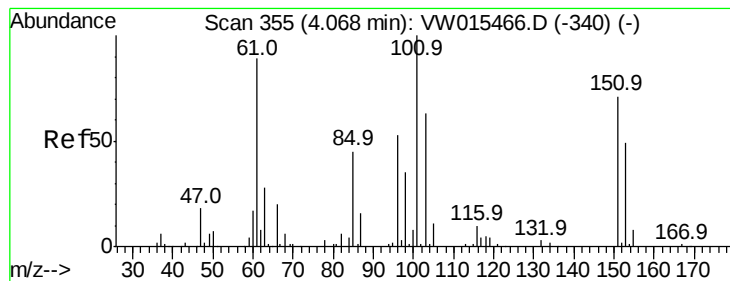
Tgt Ion: 101 Resp: 10557

Ion Ratio Lower Upper

101 100

103 65.0 46.6 86.6





#11

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

Concen: 2.672 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

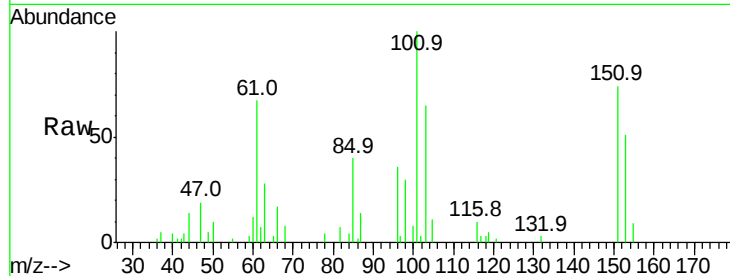
Tgt Ion:101 Resp: 12953

Ion Ratio Lower Upper

101 100

85 20.9 35.1 52.7#

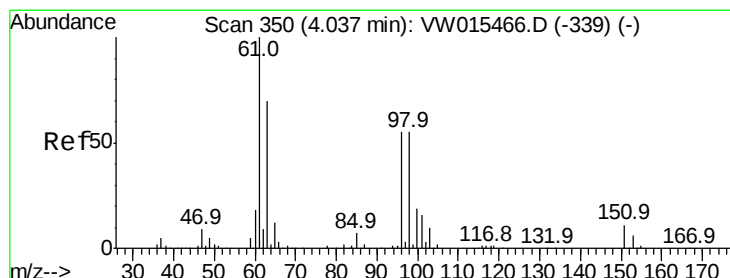
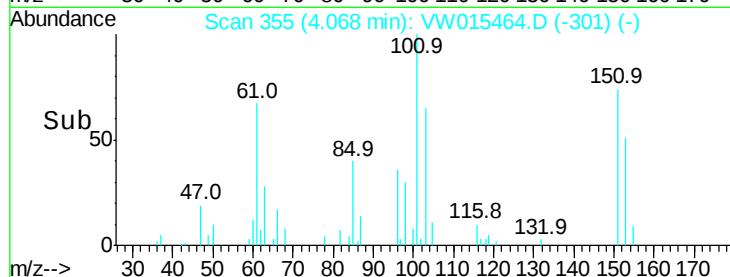
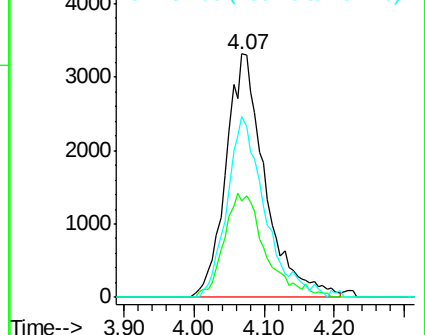
151 66.9 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.582 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

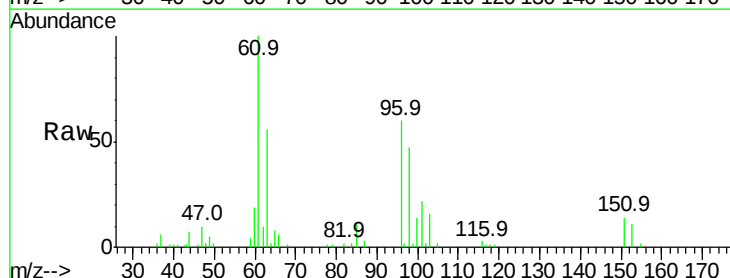
Tgt Ion: 96 Resp: 12671

Ion Ratio Lower Upper

96 100

61 166.6 127.7 237.1

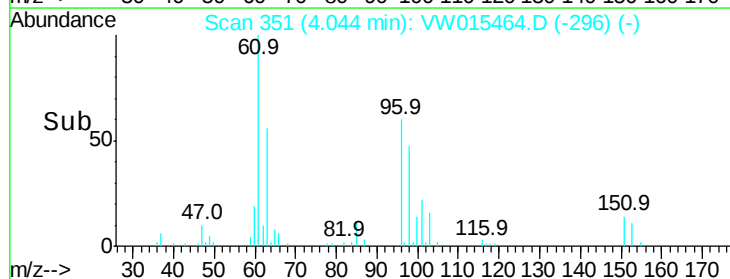
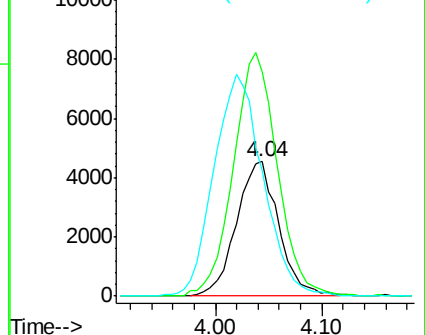
63 93.6 92.3 171.5

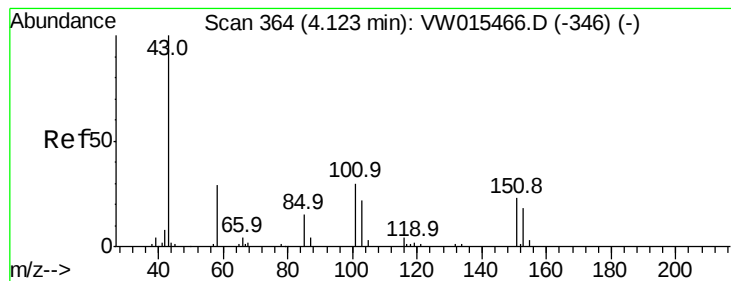


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.464 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

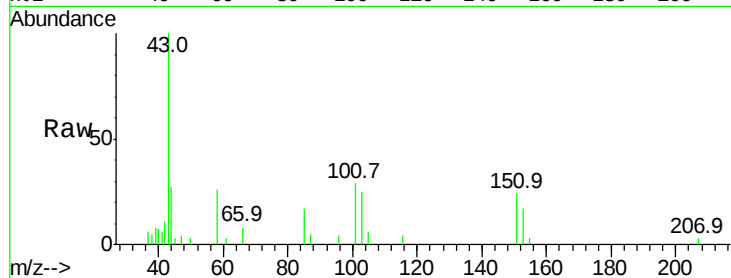
VSTD2.503

Tgt Ion: 43 Resp: 4622

Ion Ratio Lower Upper

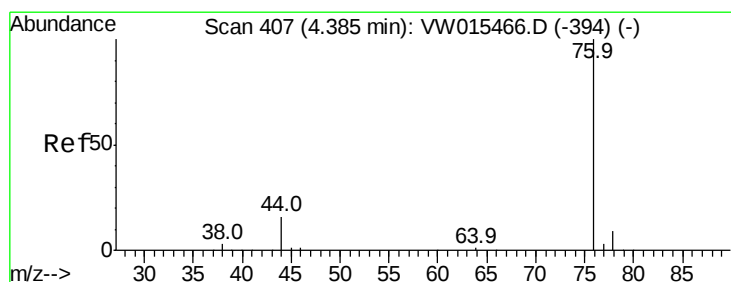
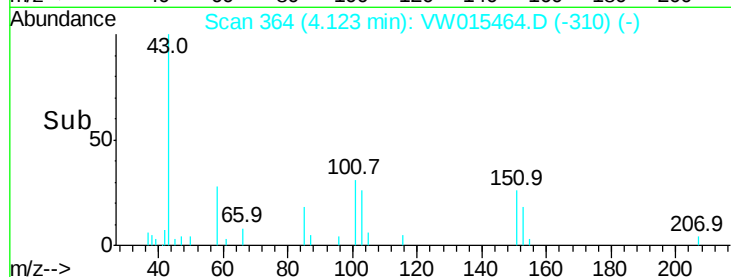
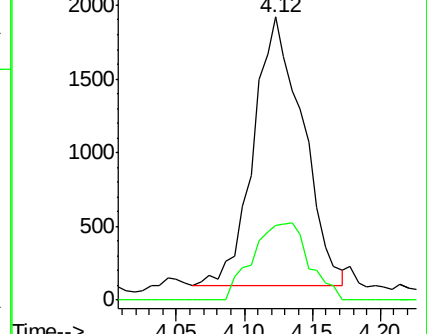
43 100

58 32.5 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.708 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015464.D

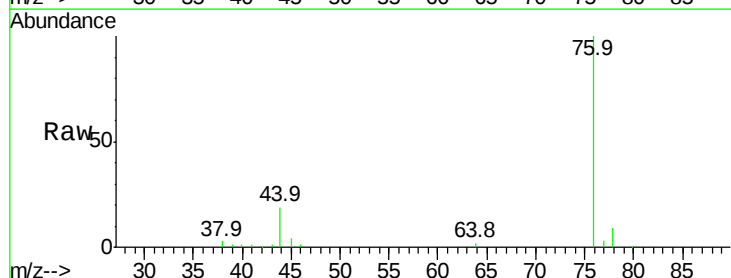
Acq: 26 May 2020 10:07

Tgt Ion: 76 Resp: 41275

Ion Ratio Lower Upper

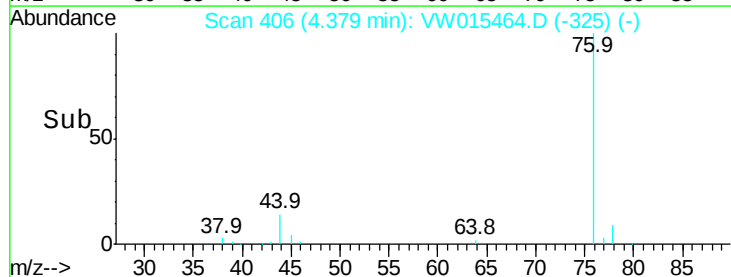
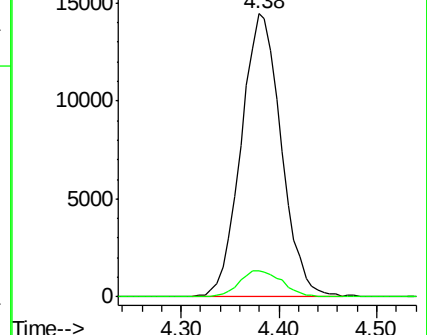
76 100

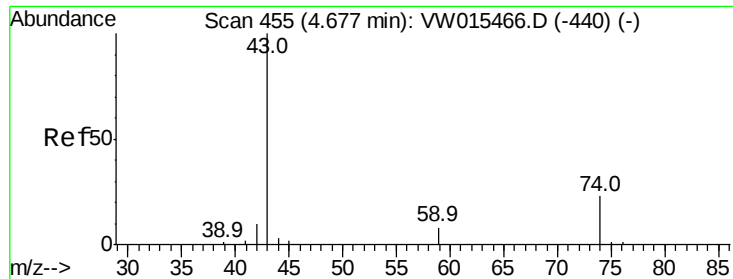
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

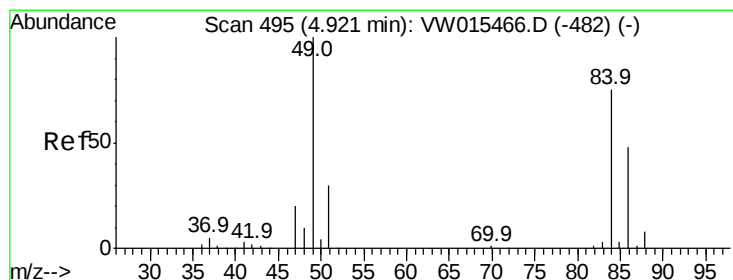
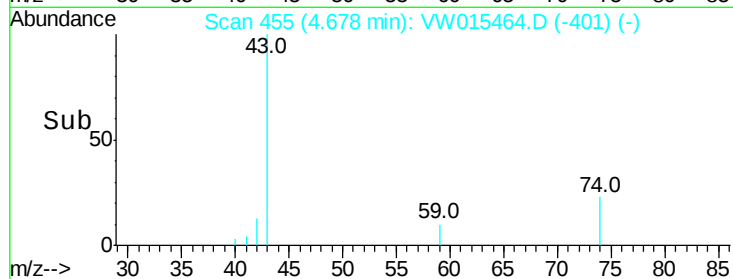
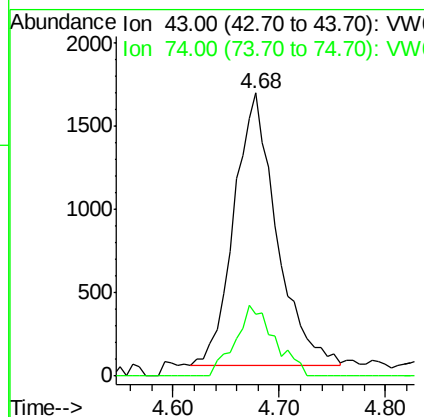
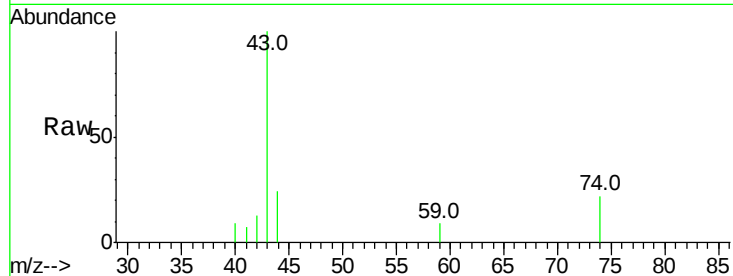




#15
Methyl Acetate
Concen: 2.031 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

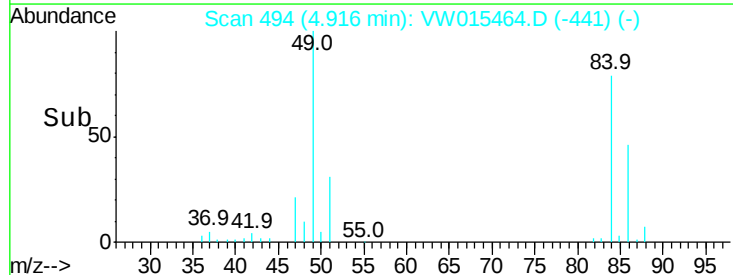
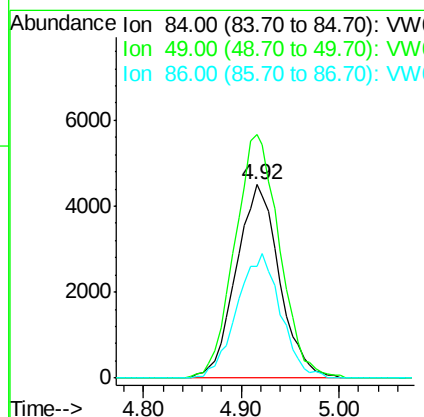
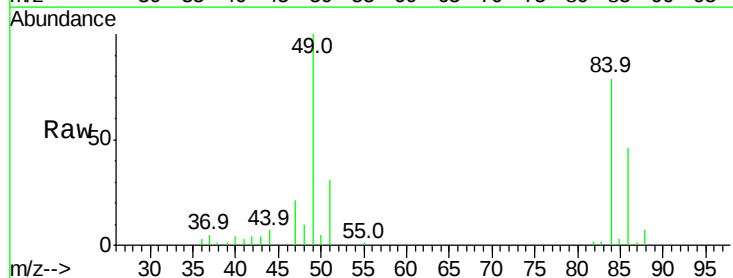
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

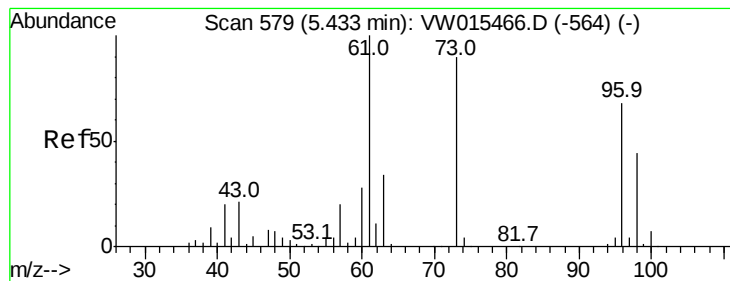
Tgt Ion: 43 Resp: 4599
Ion Ratio Lower Upper
43 100
74 21.2 18.2 27.2



#16
Methylene chloride
Concen: 2.362 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Tgt Ion: 84 Resp: 13840
Ion Ratio Lower Upper
84 100
49 126.0 93.0 172.8
86 57.6 44.7 83.1





#17

Methyl tert-butyl Ether

Concen: 2.476 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

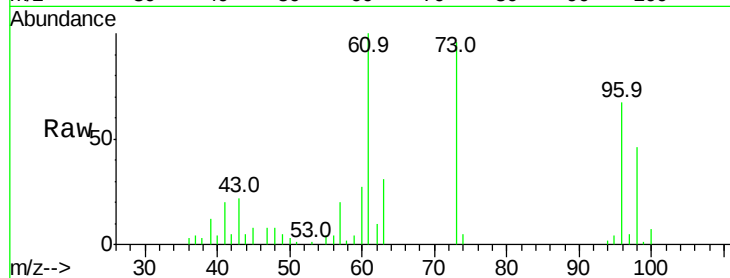
Tgt Ion: 73 Resp: 19752

Ion Ratio Lower Upper

73 100

43 25.5 19.6 29.4

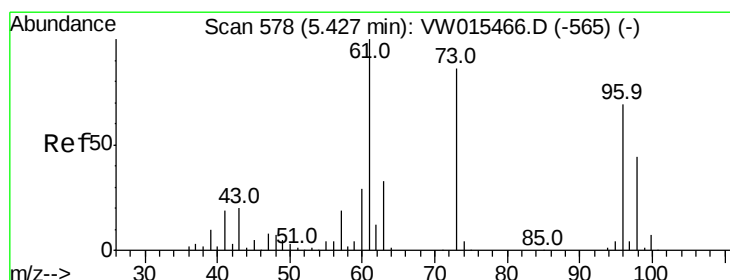
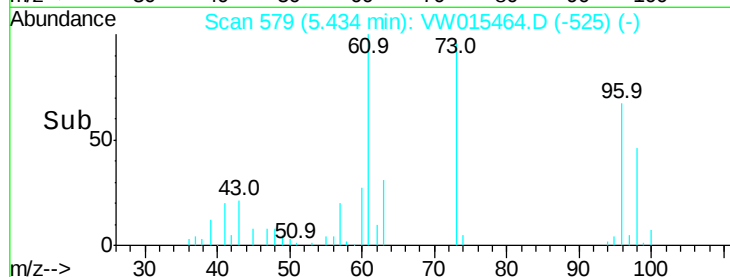
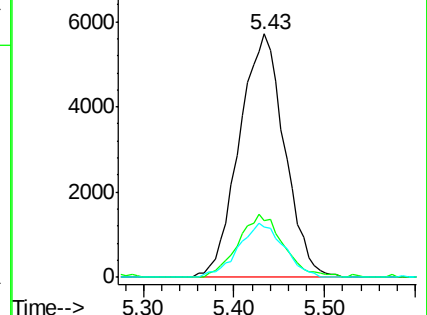
57 22.2 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 2.431 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

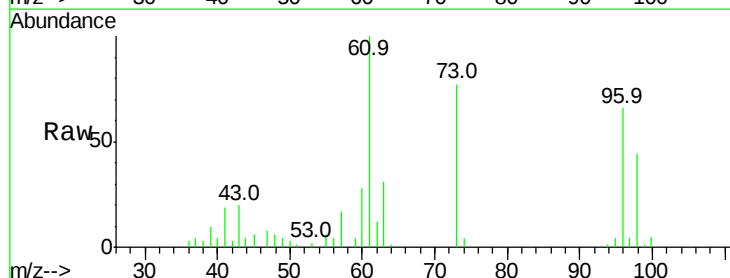
Tgt Ion: 96 Resp: 12853

Ion Ratio Lower Upper

96 100

61 151.8 101.9 189.3

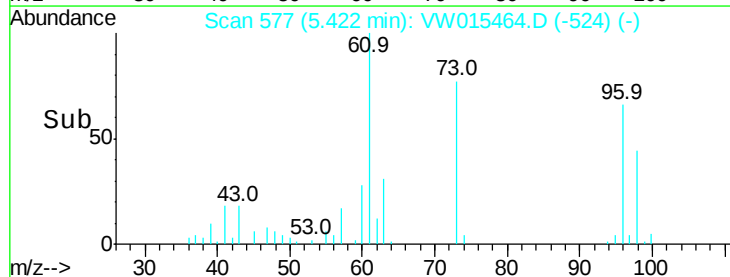
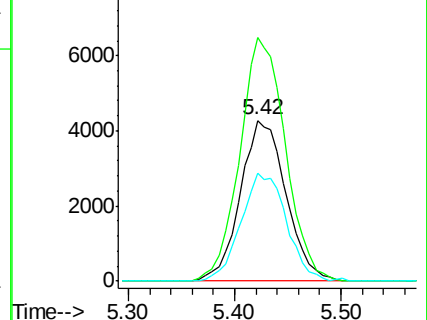
98 67.0 44.9 83.5

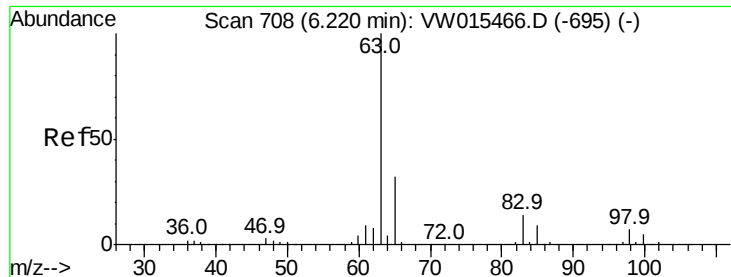


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

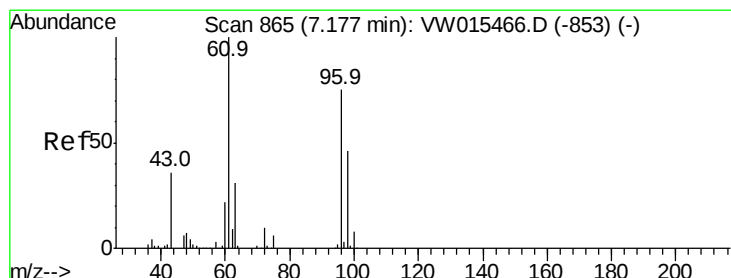
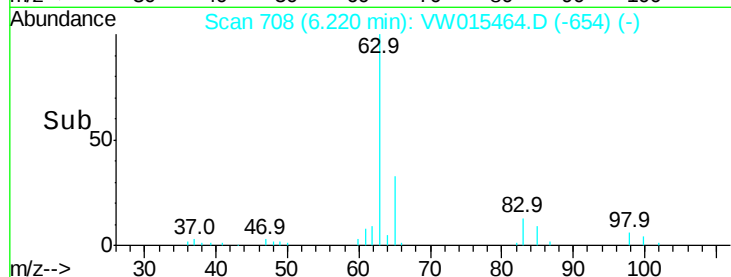
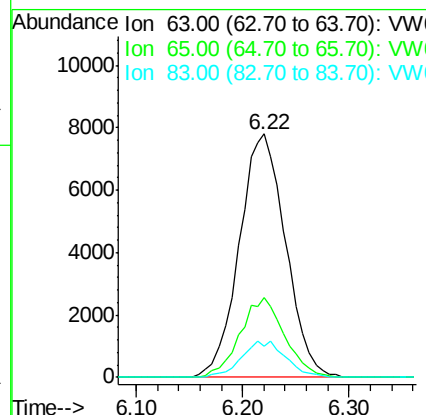
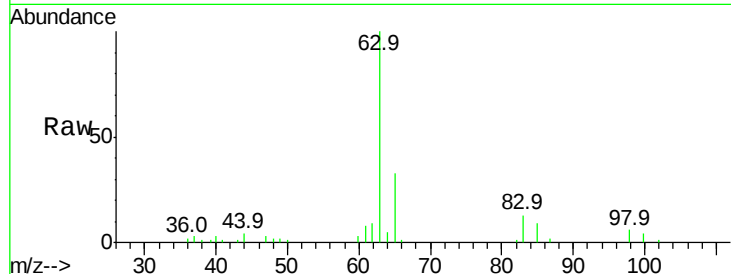




#19
 1,1-Dichloroethane
 Concen: 2.381 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

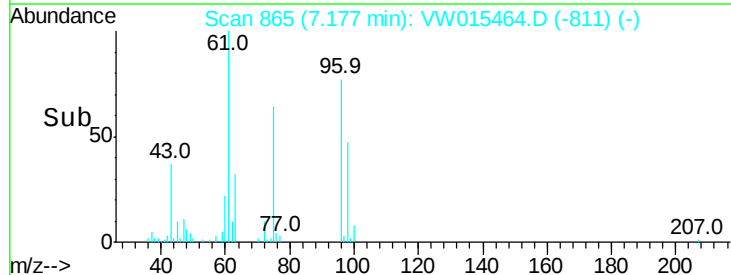
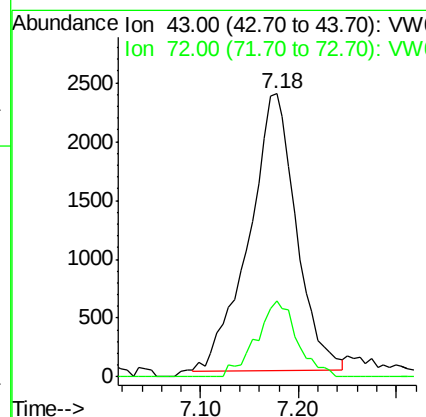
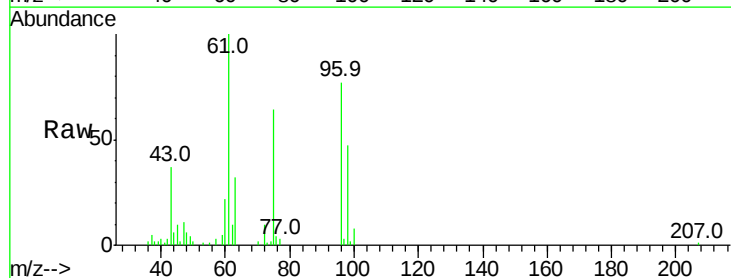
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

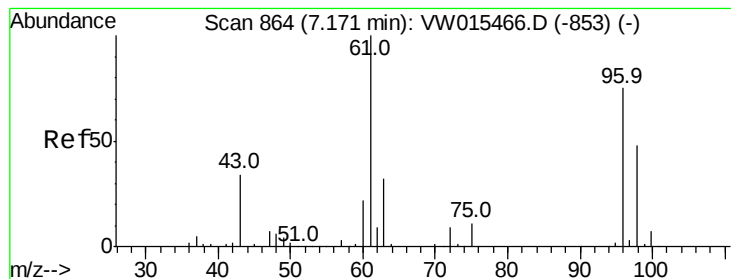
Tgt Ion: 63 Resp: 23716
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.1 41.1
 83 12.6 9.7 17.9



#21
 2-Butanone
 Concen: 5.100 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

Tgt Ion: 43 Resp: 7938
 Ion Ratio Lower Upper
 43 100
 72 22.6 13.3 39.9



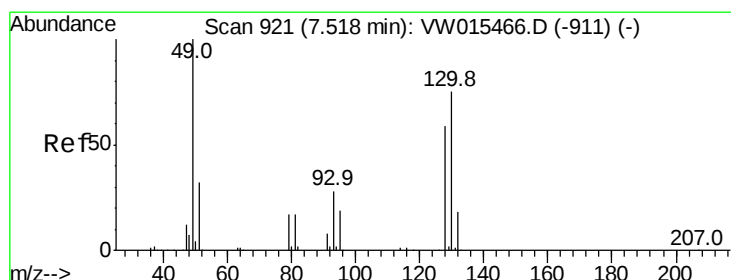
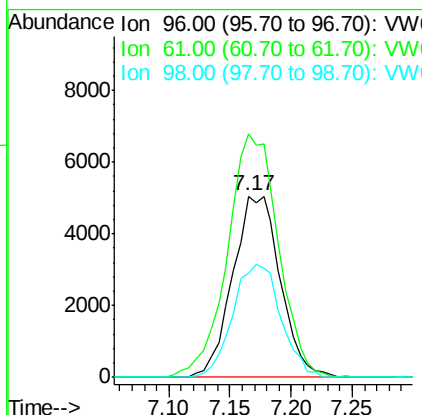
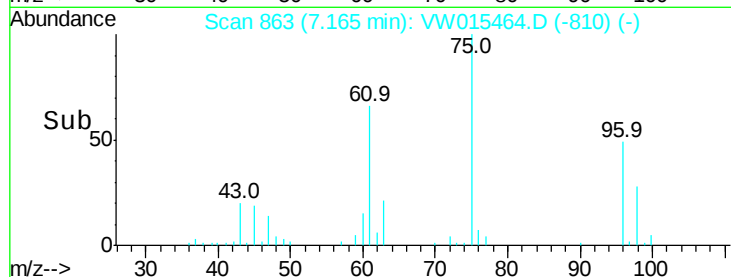
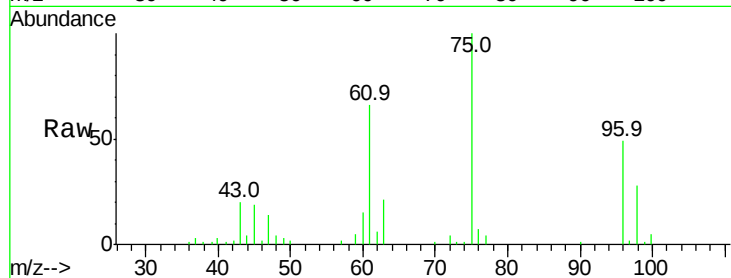


#22

cis-1,2-Dichloroethene
Concen: 2.398 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

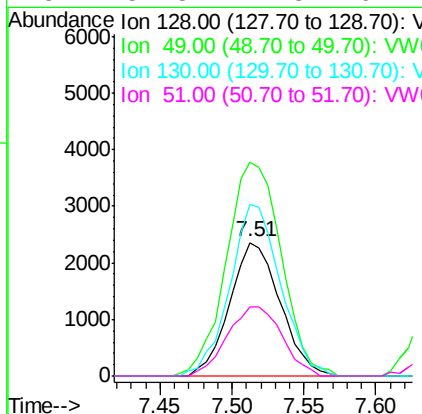
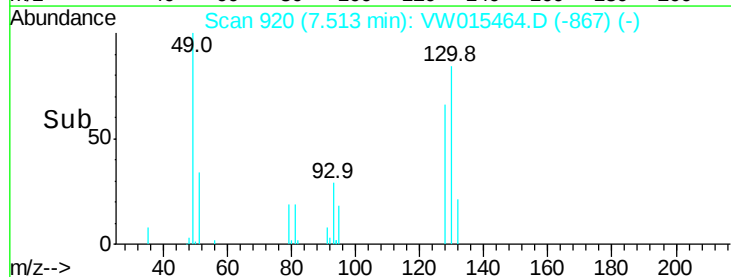
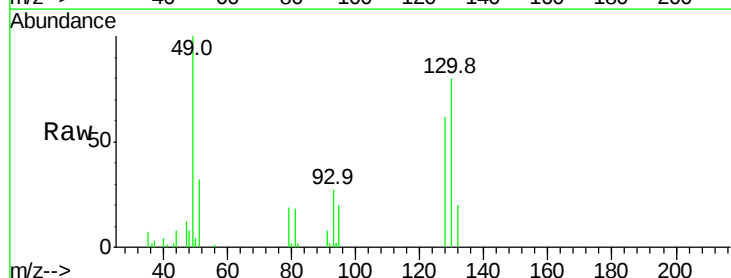
Tgt Ion: 96 Resp: 13665
Ion Ratio Lower Upper
96 100
61 134.4 93.7 173.9
98 57.4 45.1 83.9

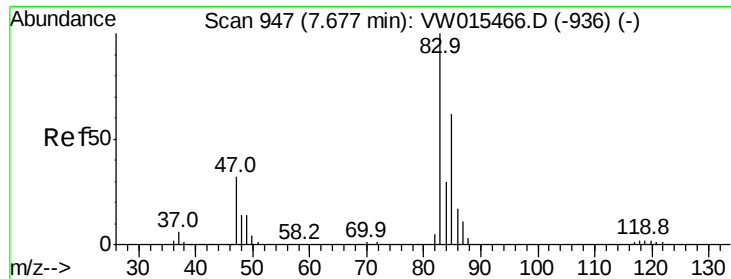


#23

Bromochloromethane
Concen: 2.424 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Tgt Ion: 128 Resp: 5757
Ion Ratio Lower Upper
128 100
49 160.2 118.1 219.3
130 128.3 88.5 164.3
51 51.8 42.8 64.2

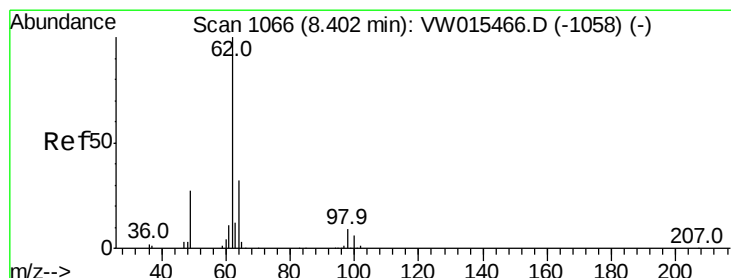
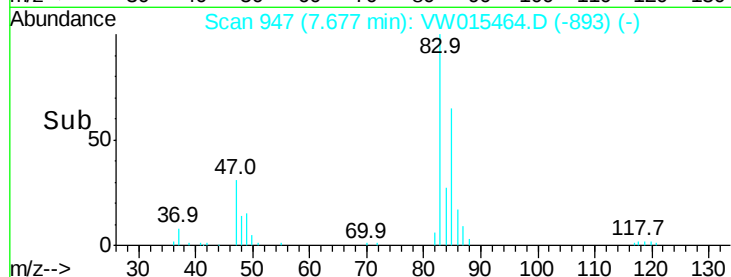
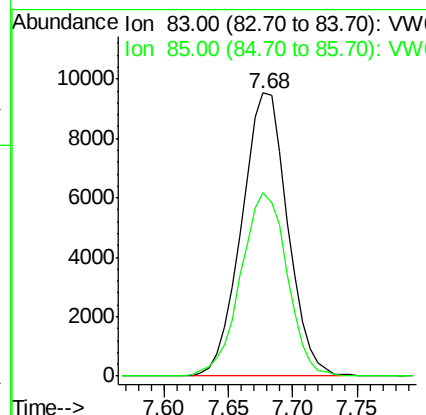
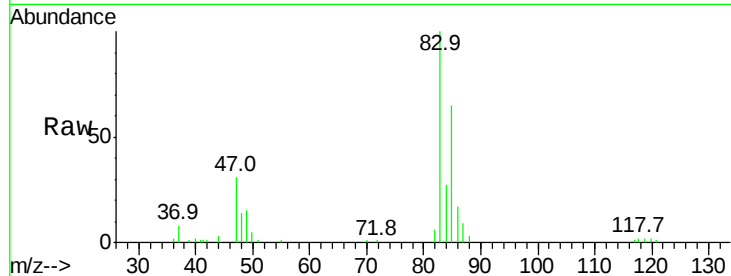




#25
Chloroform
Concen: 2.400 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

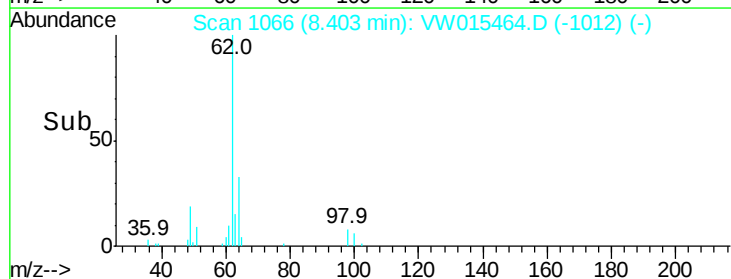
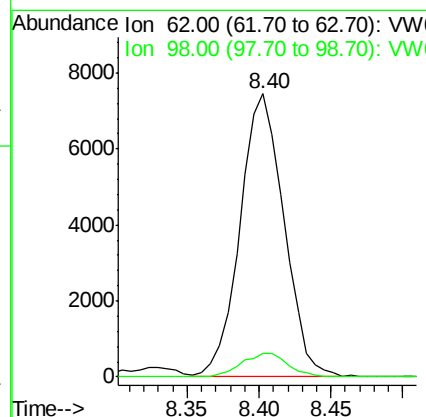
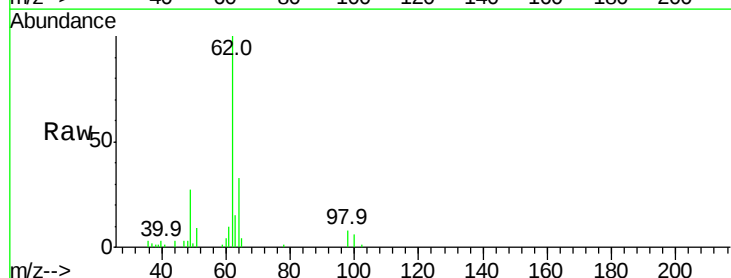
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

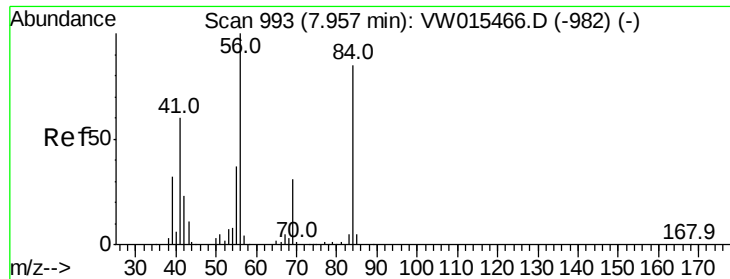
Tgt Ion: 83 Resp: 23630
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.354 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Tgt Ion: 62 Resp: 15771
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4

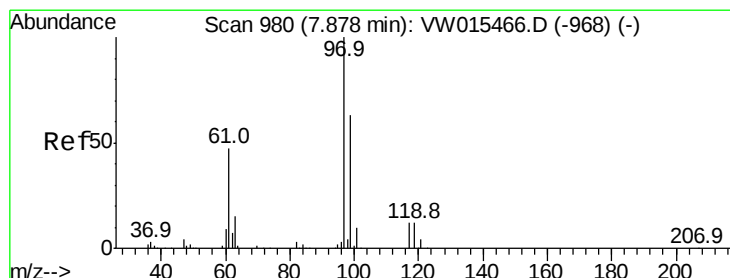
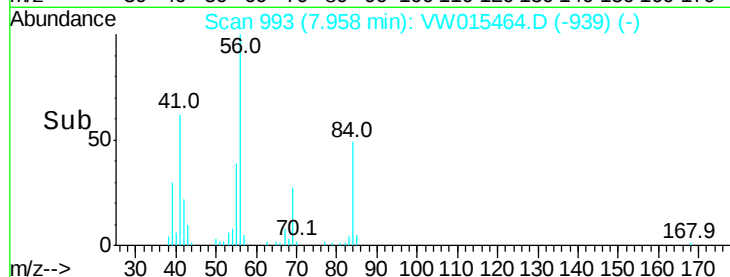
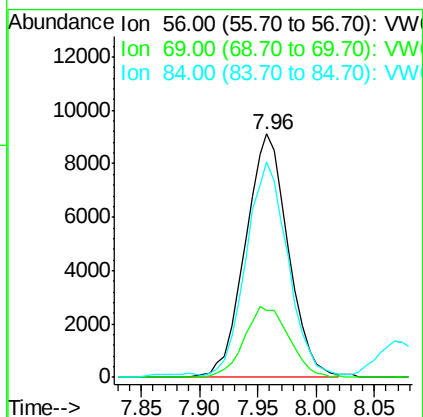
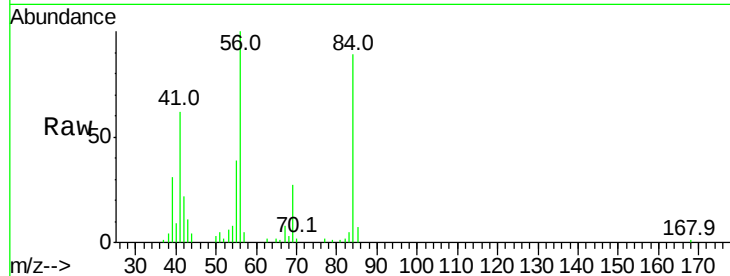




#30
Cyclohexane
Concen: 2.469 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

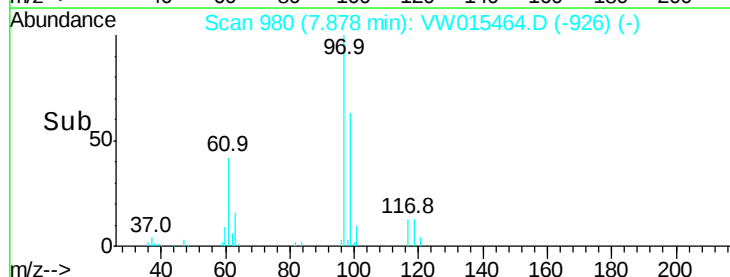
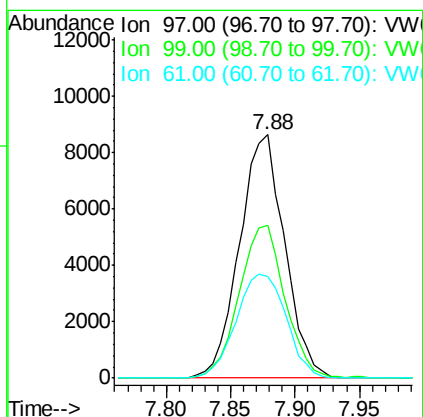
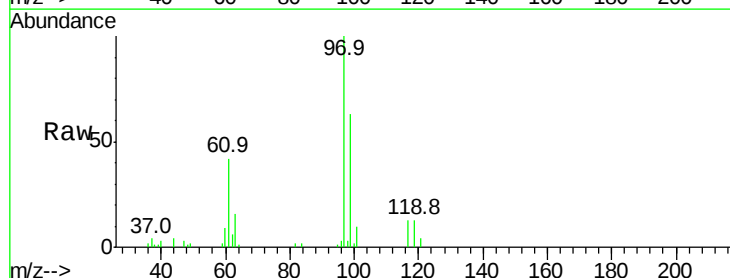
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

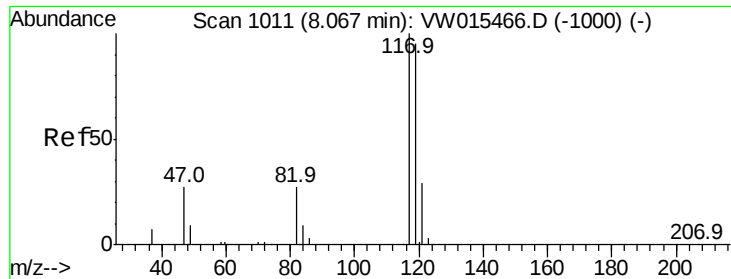
Tgt Ion: 56 Resp: 23394
Ion Ratio Lower Upper
56 100
69 30.2 24.6 37.0
84 87.5 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 2.584 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Tgt Ion: 97 Resp: 21011
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 47.5 38.1 57.1





#32

Carbon tetrachloride

Concen: 2.563 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

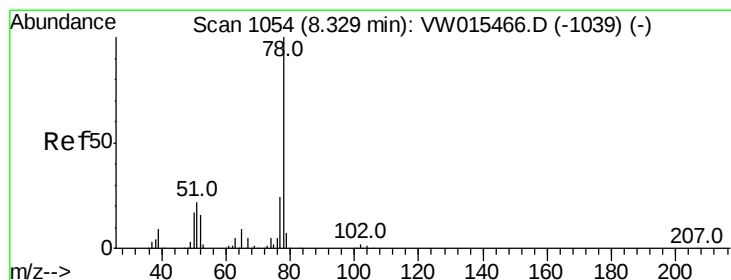
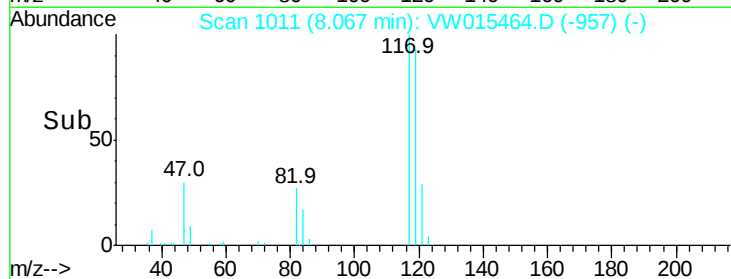
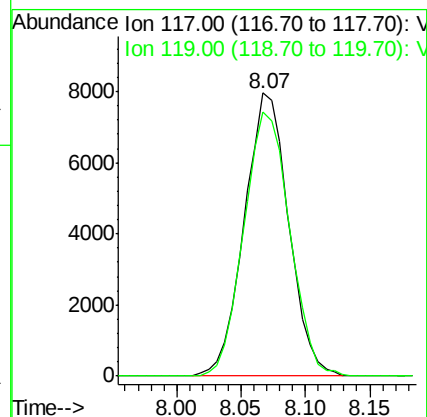
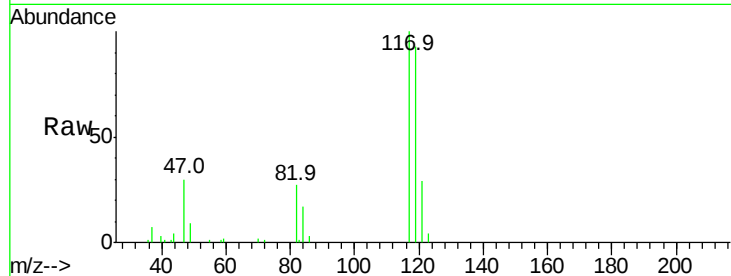
VSTD2.503

Tgt Ion:117 Resp: 18964

Ion Ratio Lower Upper

117 100

119 96.9 76.4 114.6



#34

Benzene

Concen: 2.449 ug/L

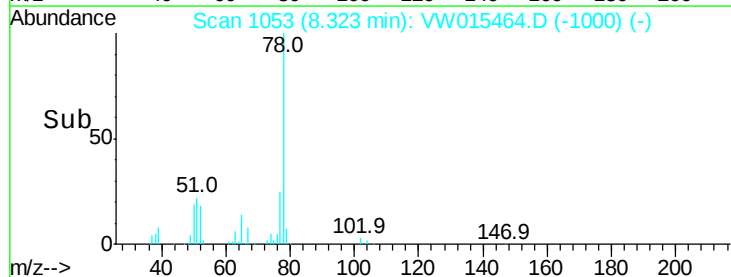
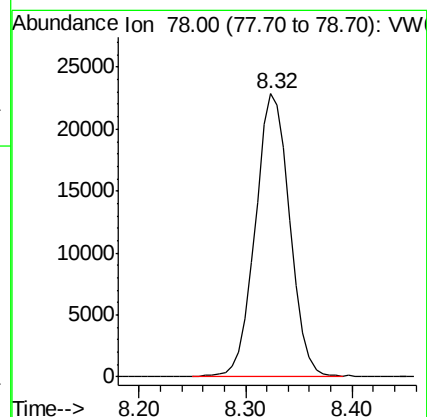
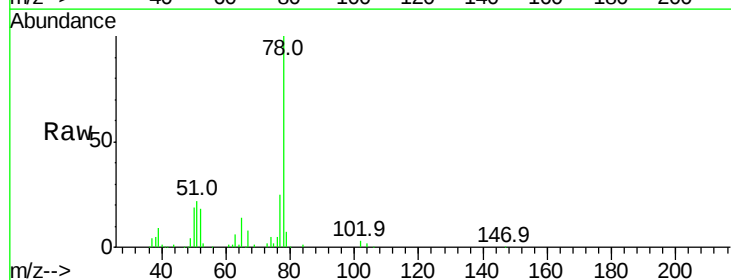
RT: 8.32 min Scan# 1053

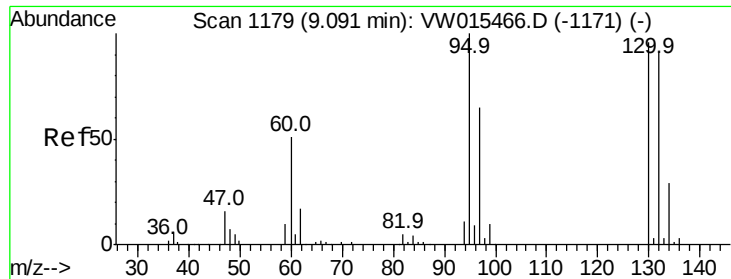
Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Tgt Ion: 78 Resp: 51904





#35

Trichloroethene

Concen: 2.436 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 95 Resp: 13835

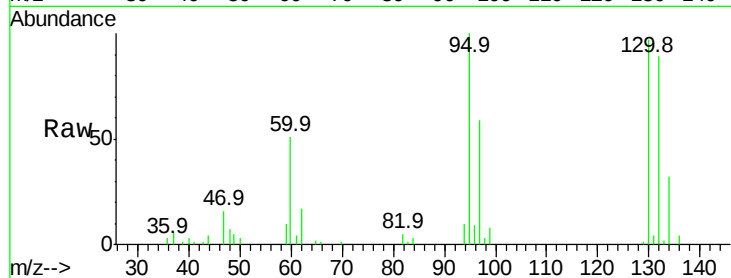
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.2

132 97.1 67.1 124.7

130 100.3 69.4 128.8

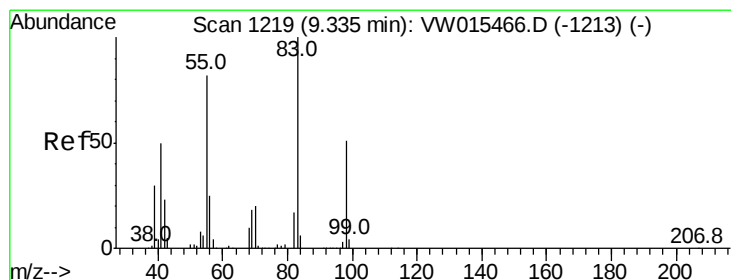
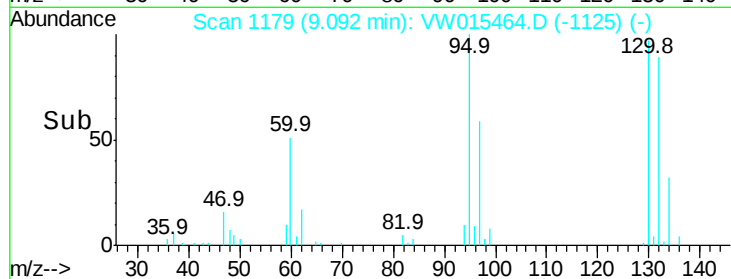
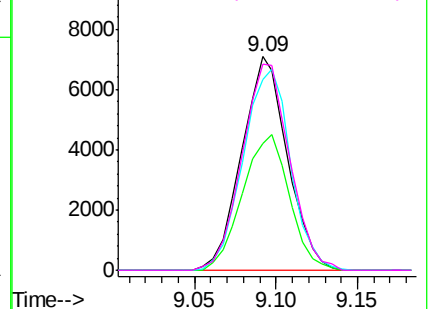


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.468 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

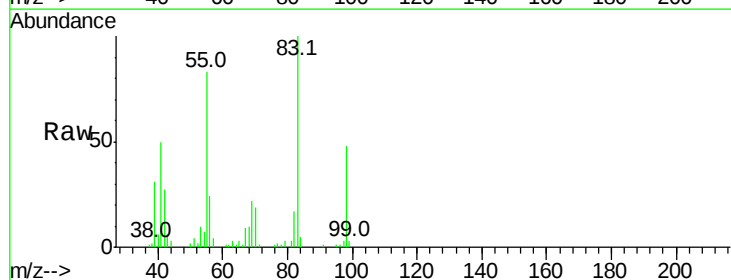
Tgt Ion: 83 Resp: 24890

Ion Ratio Lower Upper

83 100

55 81.4 62.8 94.2

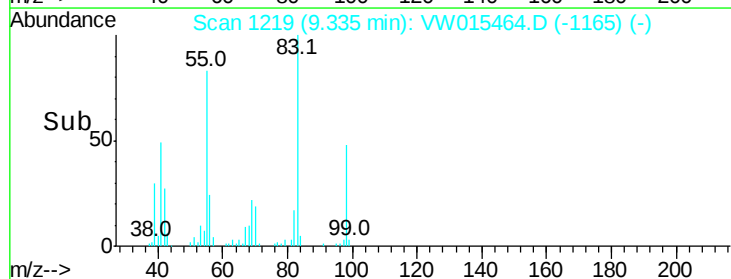
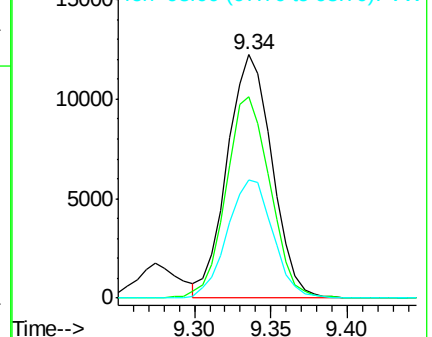
98 49.4 39.2 58.8

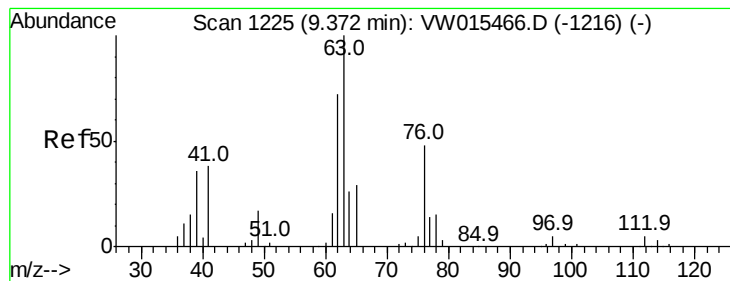


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.417 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

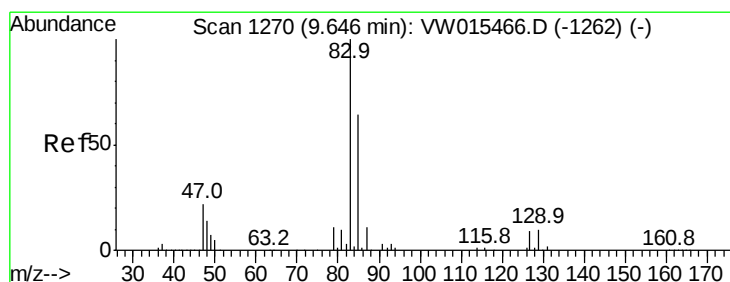
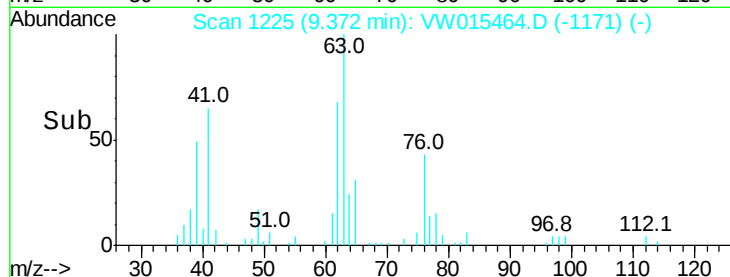
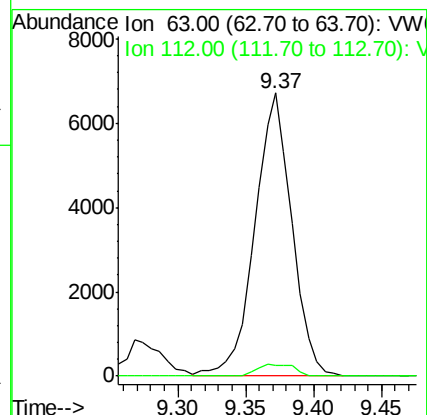
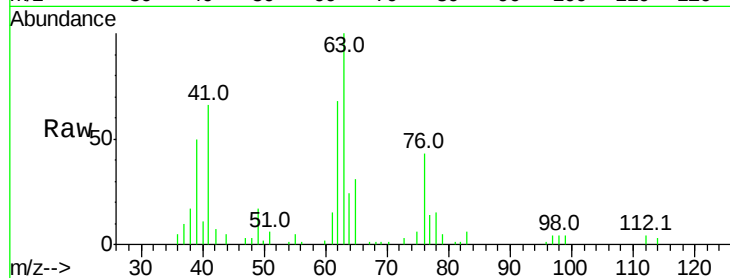
VSTD2.503

Tgt Ion: 63 Resp: 12801

Ion Ratio Lower Upper

63 100

112 2.4 3.8 5.8#



#41

Bromodichloromethane

Concen: 2.362 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

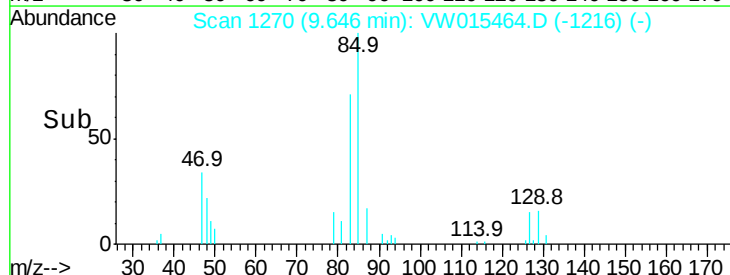
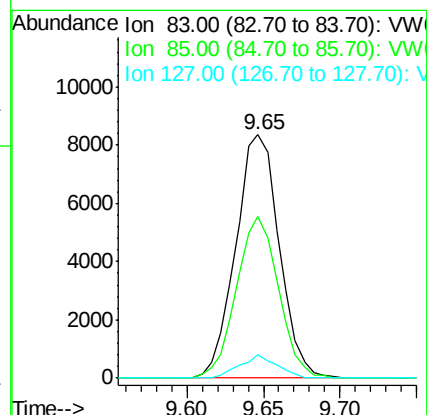
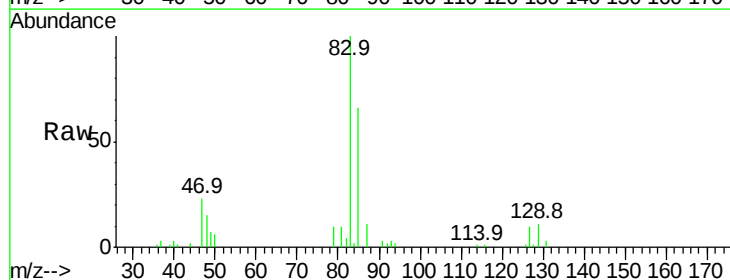
Tgt Ion: 83 Resp: 16515

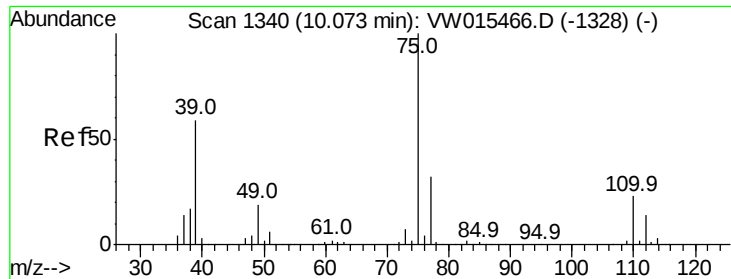
Ion Ratio Lower Upper

83 100

85 66.5 44.8 83.2

127 11.1 7.0 10.6#





#42

cis-1,3-Dichloropropene

Concen: 2.231 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

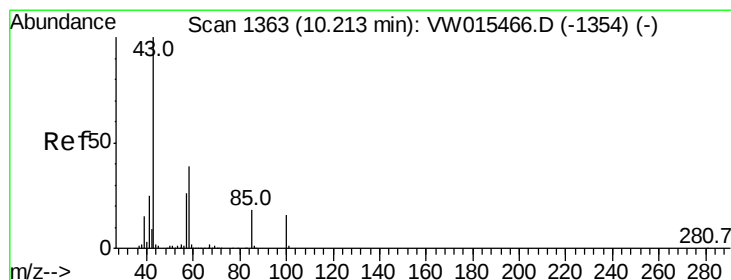
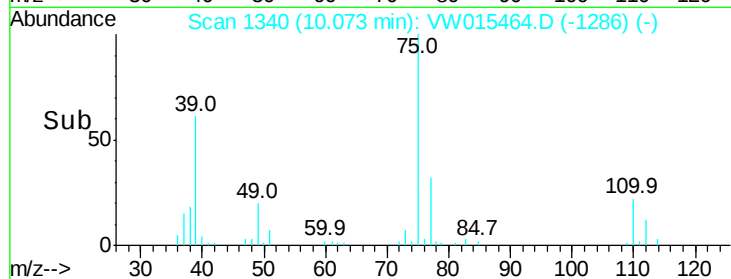
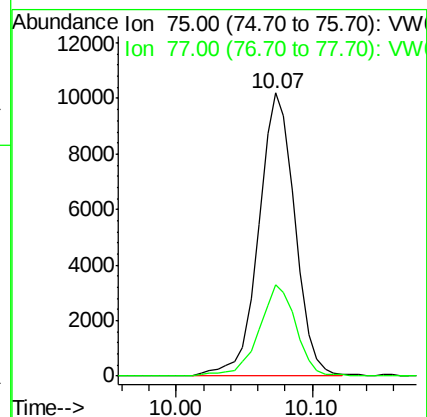
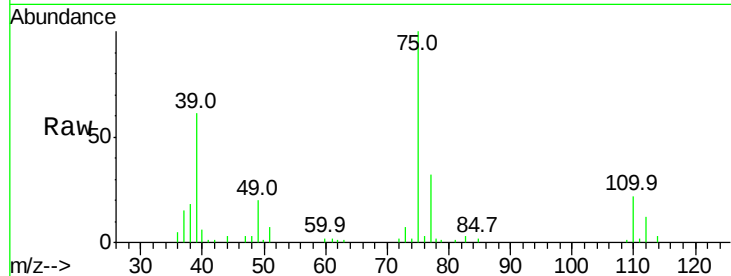
VSTD2.503

Tgt Ion: 75 Resp: 19078

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 3.959 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

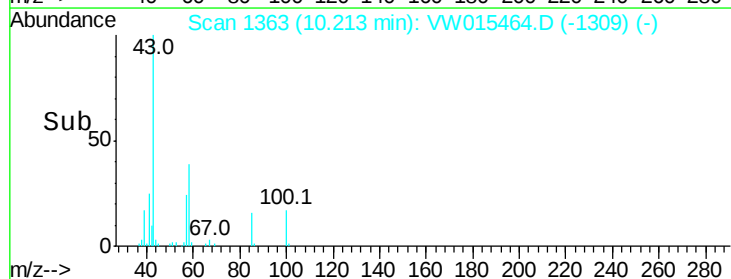
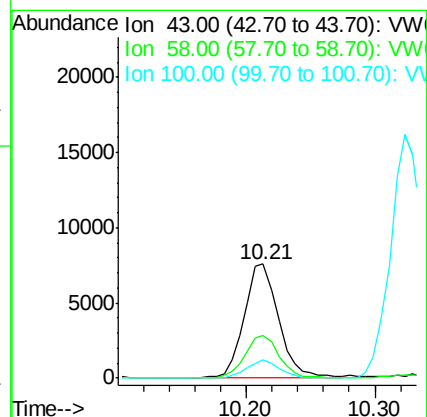
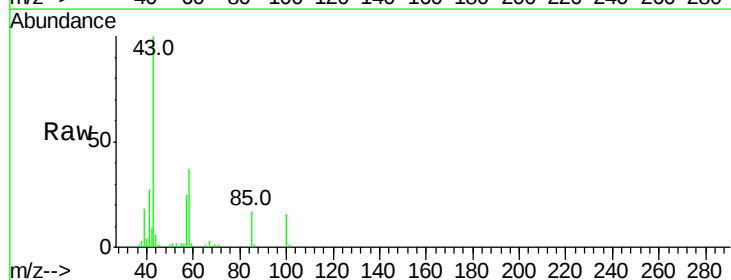
Tgt Ion: 43 Resp: 14049

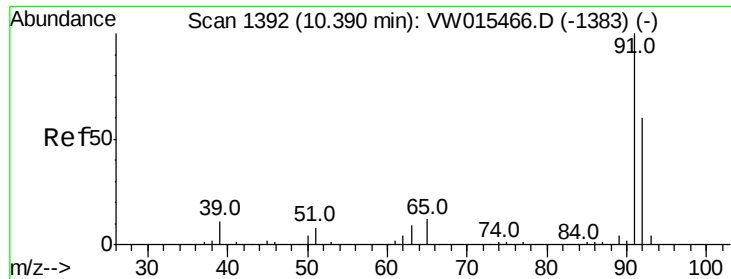
Ion Ratio Lower Upper

43 100

58 36.9 30.6 46.0

100 14.7 12.5 18.7





#44

Toluene

Concen: 2.399 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampled :

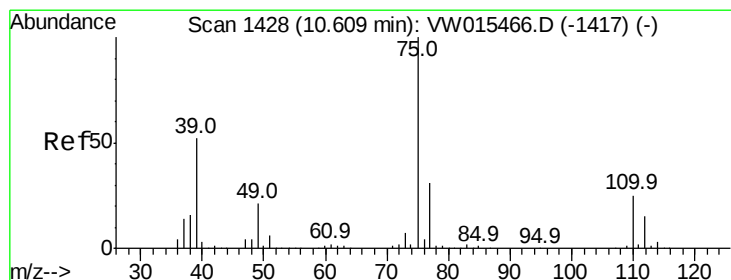
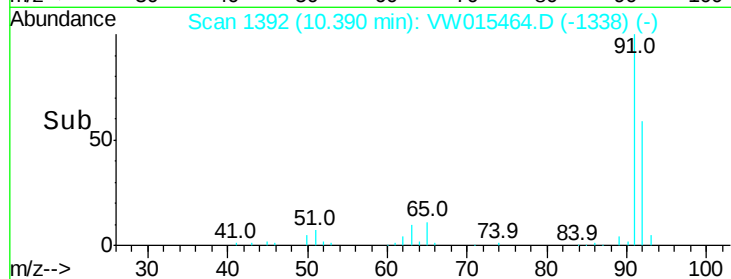
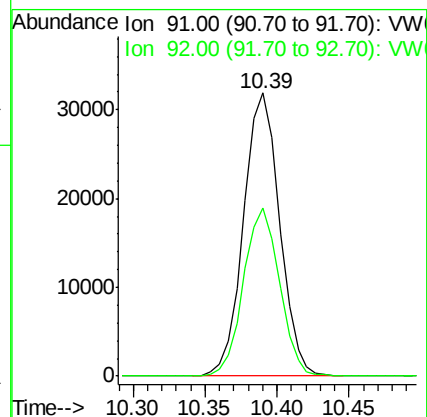
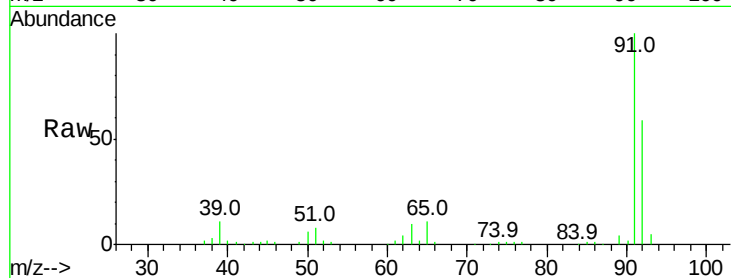
VSTD2.503

Tgt Ion: 91 Resp: 55558

Ion Ratio Lower Upper

91 100

92 59.4 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 2.183 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015464.D

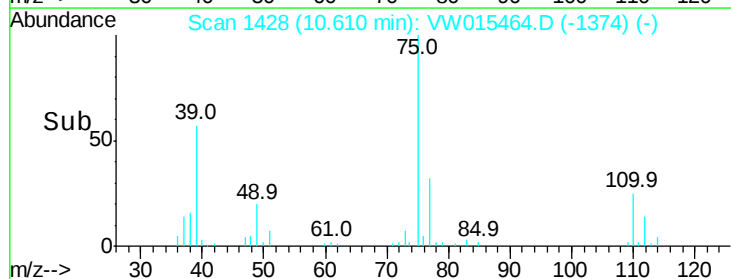
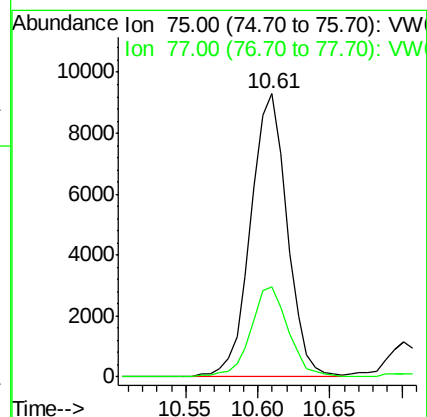
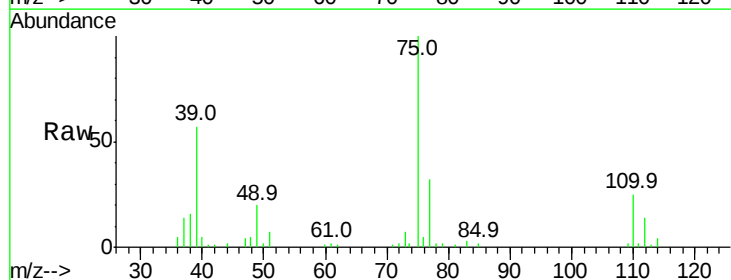
Acq: 26 May 2020 10:07

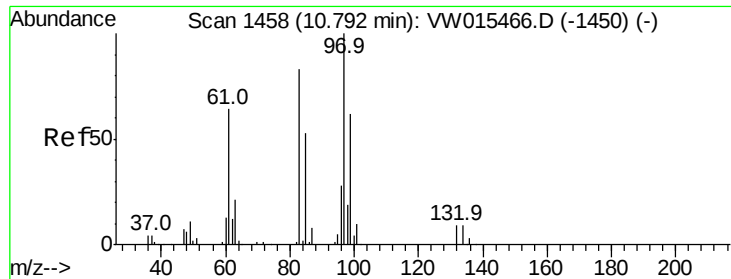
Tgt Ion: 75 Resp: 16269

Ion Ratio Lower Upper

75 100

77 31.8 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 2.303 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 97 Resp: 8550

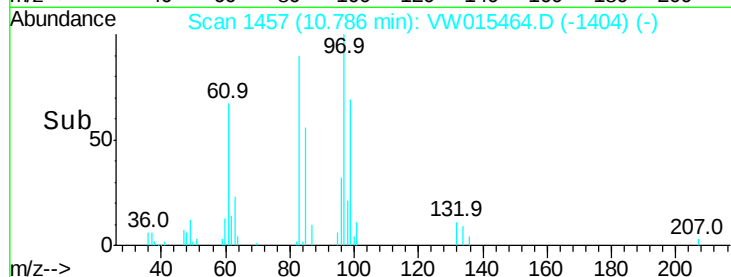
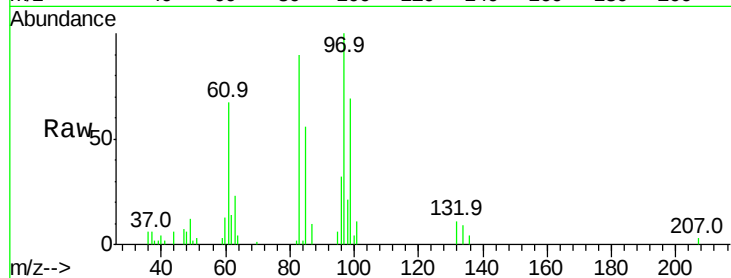
Ion Ratio Lower Upper

97 100

83 89.9 58.2 108.2

85 56.1 37.4 69.4

99 69.0 43.7 81.1

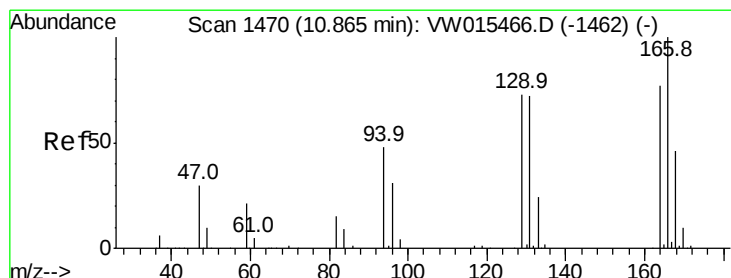
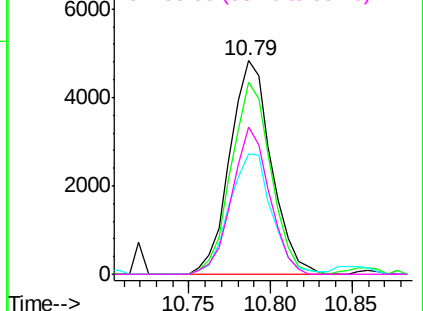


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.665 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Tgt Ion: 164 Resp: 11355

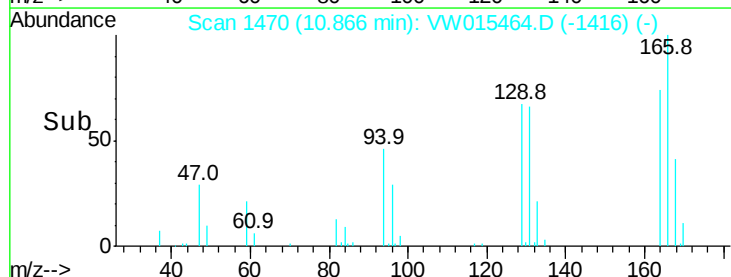
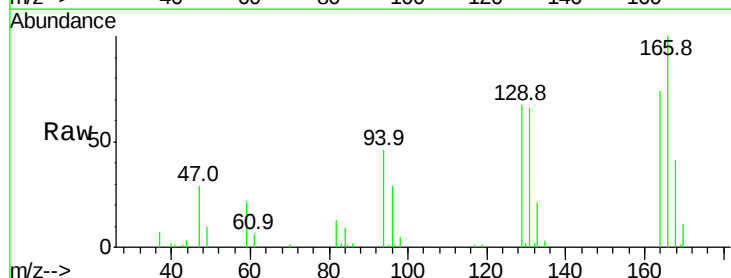
Ion Ratio Lower Upper

164 100

129 90.1 66.3 123.1

131 89.2 65.1 120.9

166 134.9 90.8 168.6

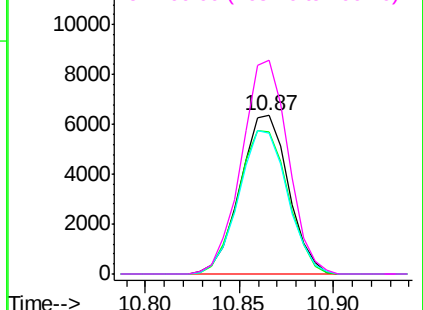


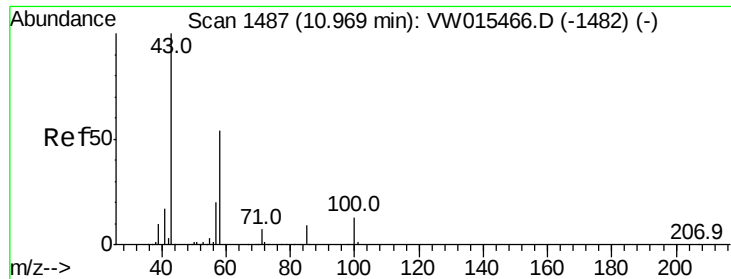
Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.942 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 43 Resp: 8814

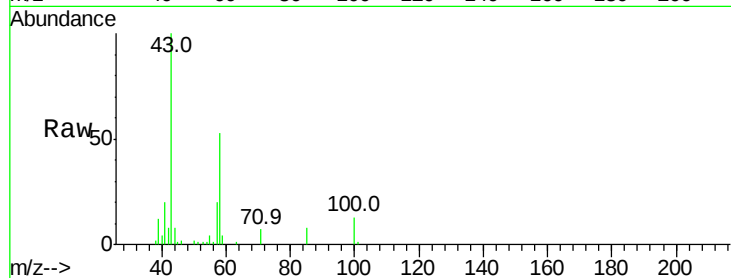
Ion Ratio Lower Upper

43 100

58 52.9 42.6 64.0

57 19.1 15.5 23.3

100 12.2 10.3 15.5

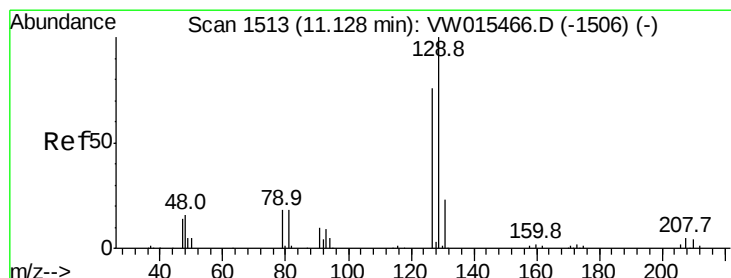
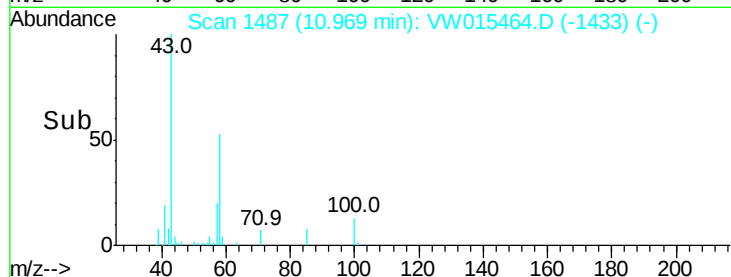
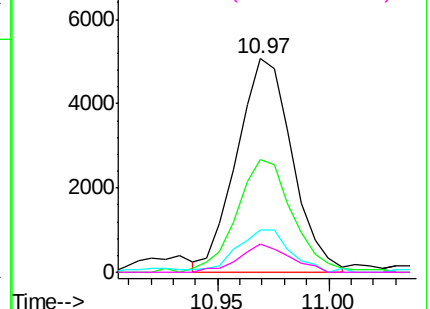


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 2.144 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015464.D

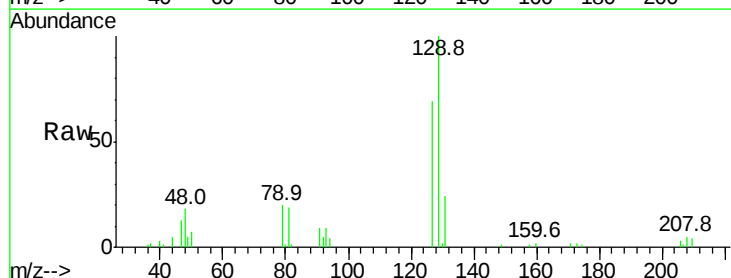
Acq: 26 May 2020 10:07

Tgt Ion: 129 Resp: 9629

Ion Ratio Lower Upper

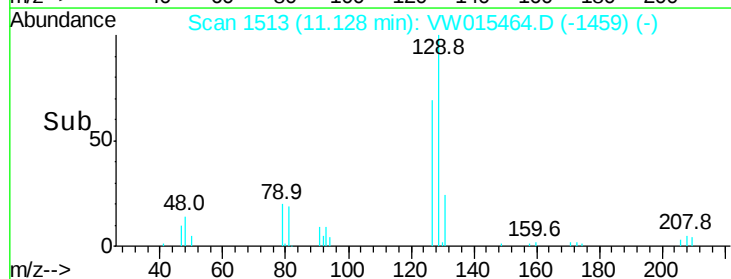
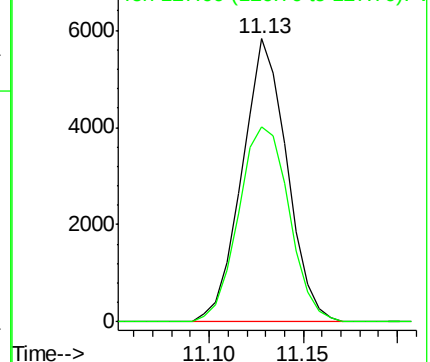
129 100

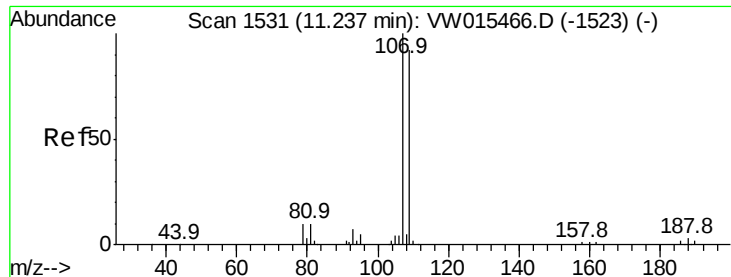
127 69.1 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

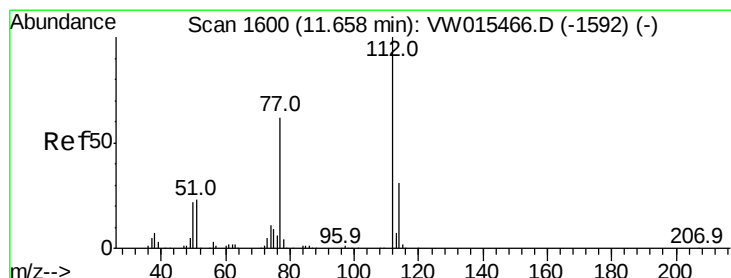
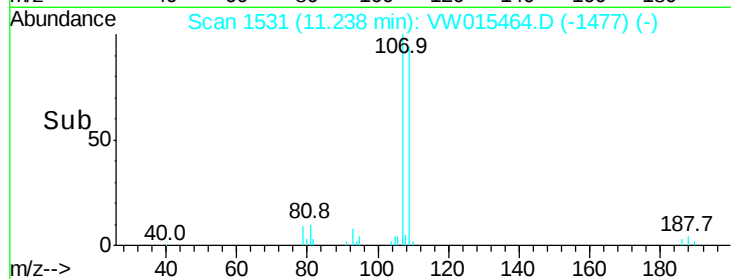
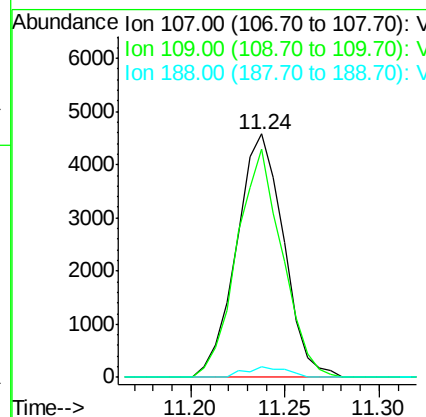
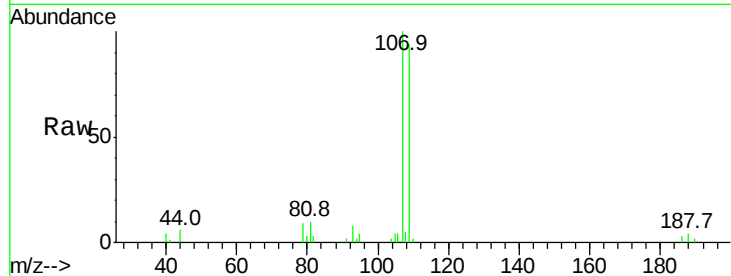




#51
 1,2-Dibromoethane
 Concen: 2.243 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

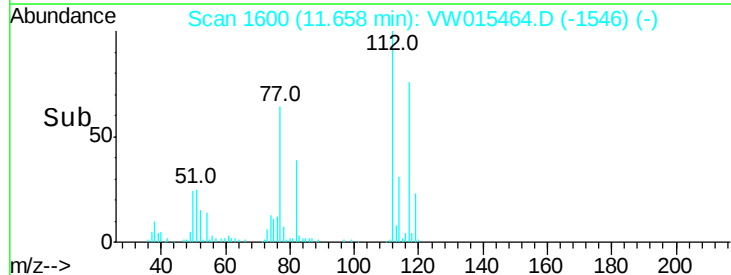
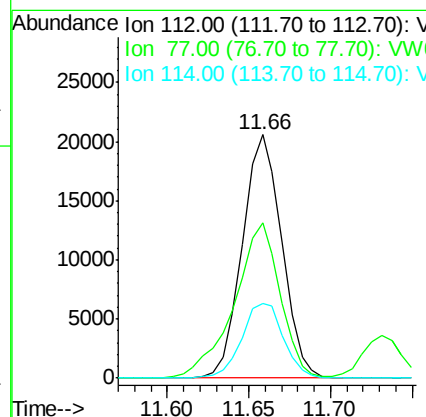
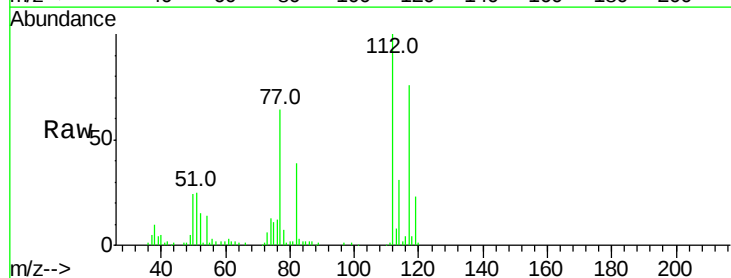
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

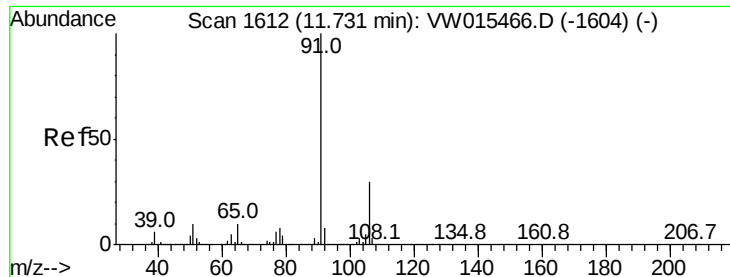
Tgt Ion:107 Resp: 7949
 Ion Ratio Lower Upper
 107 100
 109 93.7 64.6 120.0
 188 4.1 2.8 4.2



#52
 Chlorobenzene
 Concen: 2.374 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

Tgt Ion:112 Resp: 34697
 Ion Ratio Lower Upper
 112 100
 77 63.8 49.7 74.5
 114 30.9 21.8 40.6





#53

Ethylbenzene

Concen: 2.356 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

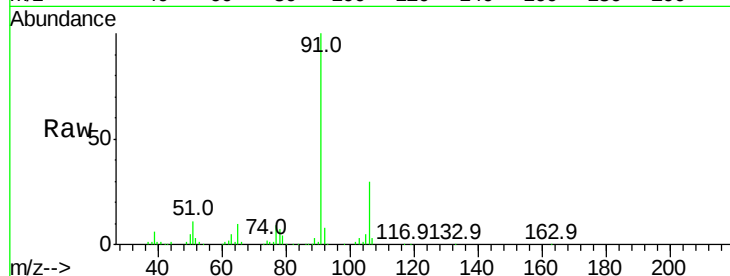
VSTD2.503

Tgt Ion: 91 Resp: 63631

Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

40000

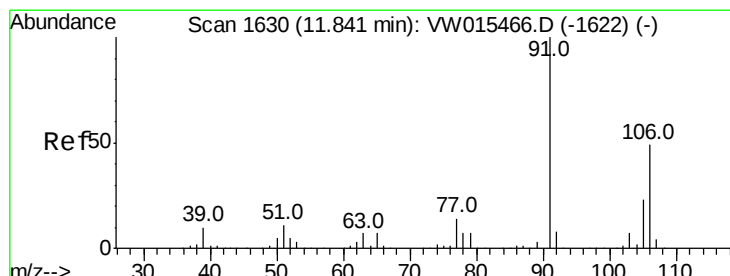
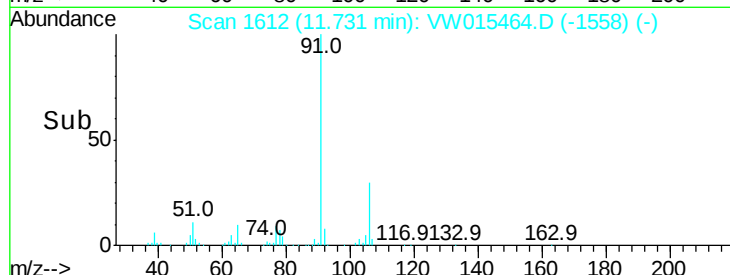
30000

20000

10000

0

Time--> 11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 2.307 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015464.D

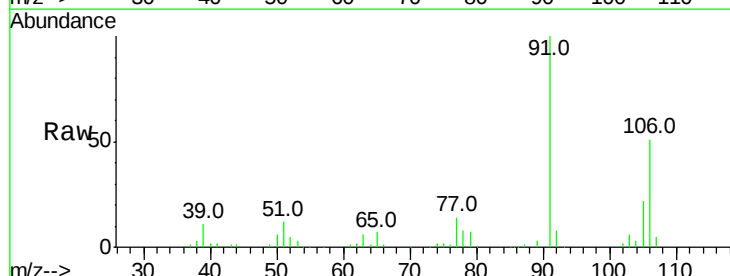
Acq: 26 May 2020 10:07

Tgt Ion: 106 Resp: 23281

Ion Ratio Lower Upper

106 100

91 197.8 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

25000

20000

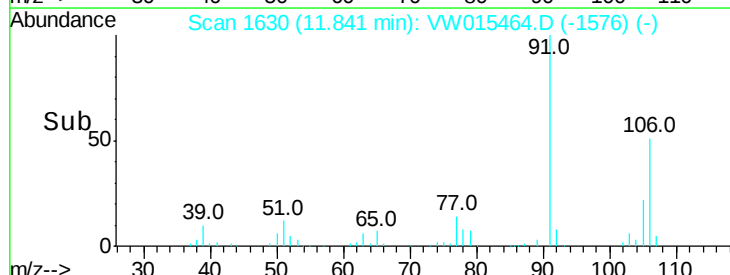
15000

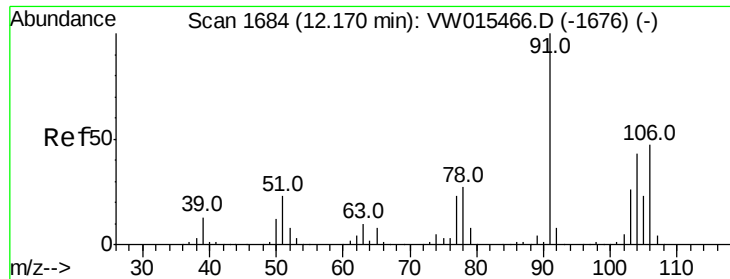
10000

5000

0

Time--> 11.75 11.80 11.85 11.90

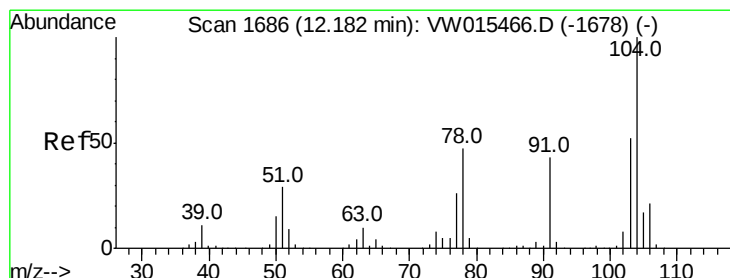
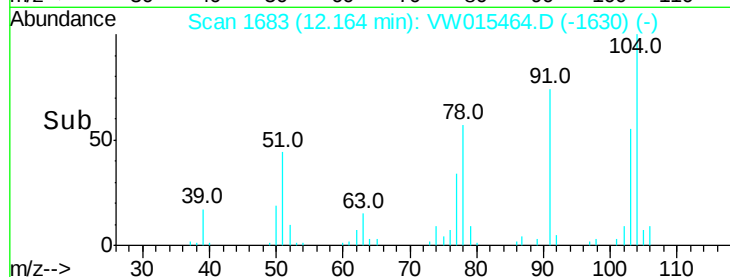
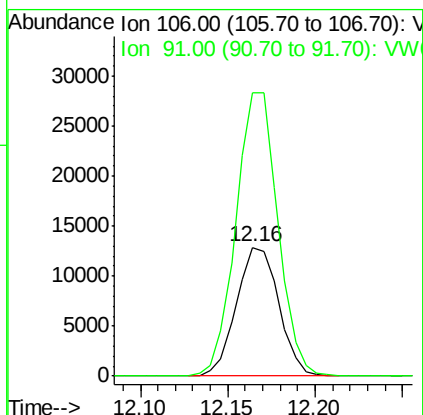
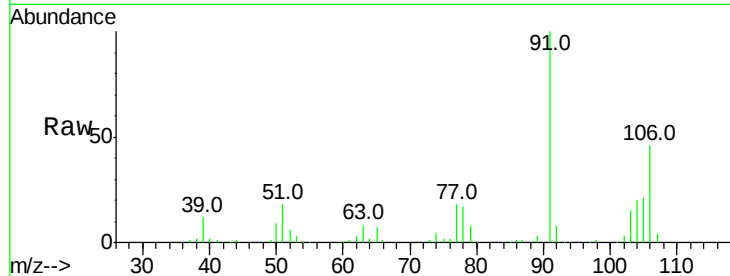




#55
o-xylene
Concen: 2.250 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

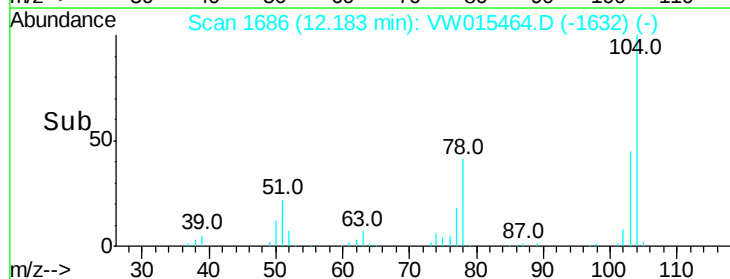
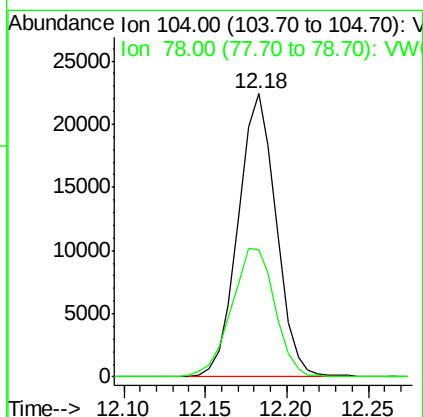
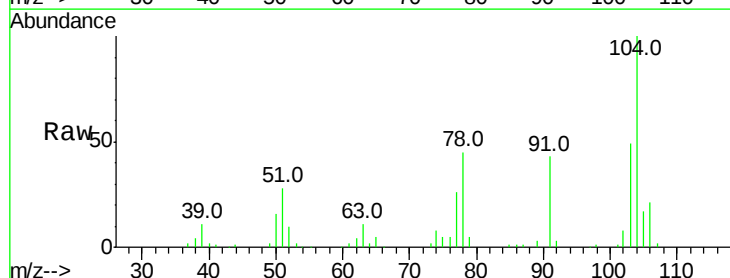
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

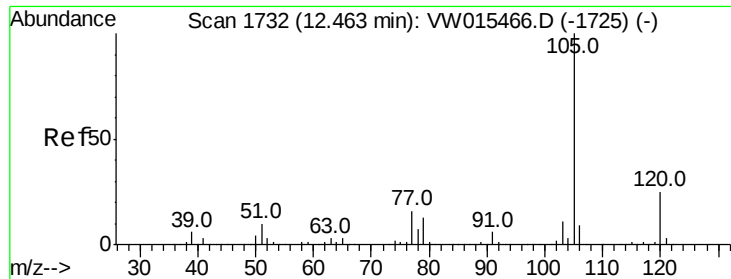
Tgt Ion:106 Resp: 21848
Ion Ratio Lower Upper
106 100
91 219.6 149.0 276.6



#56
Styrene
Concen: 2.198 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015464.D
Acq: 26 May 2020 10:07

Tgt Ion:104 Resp: 36433
Ion Ratio Lower Upper
104 100
78 45.2 32.9 61.1





#57

Isopropylbenzene

Concen: 2.330 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

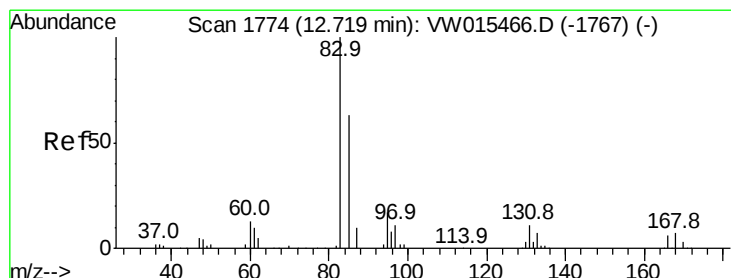
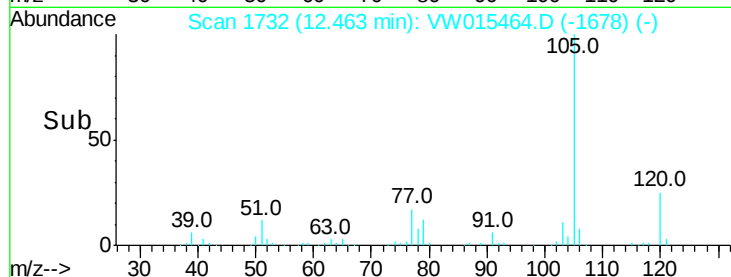
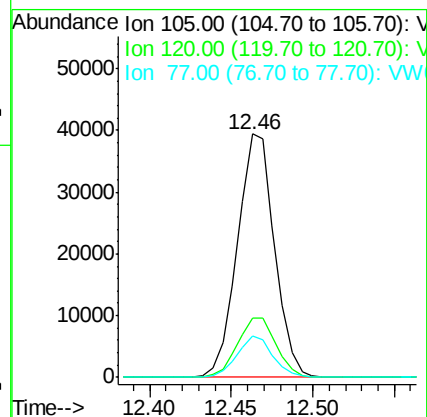
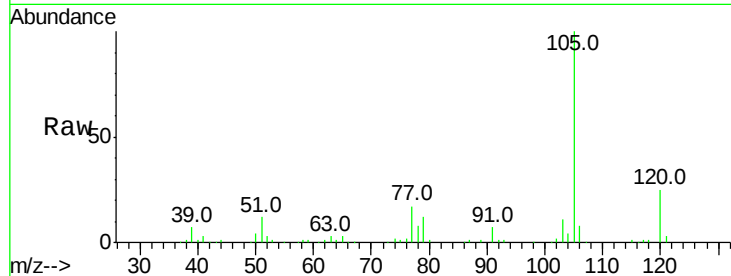
Tgt Ion:105 Resp: 62490

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

77 16.4 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 2.173 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

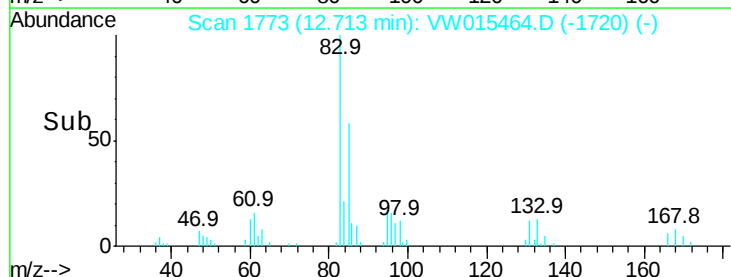
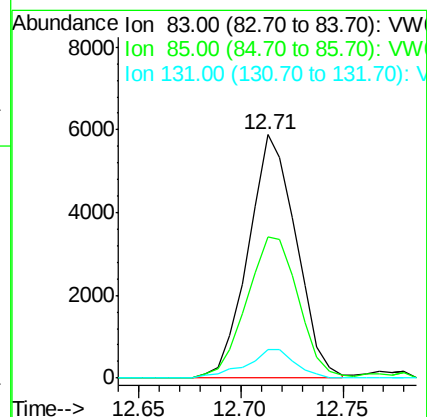
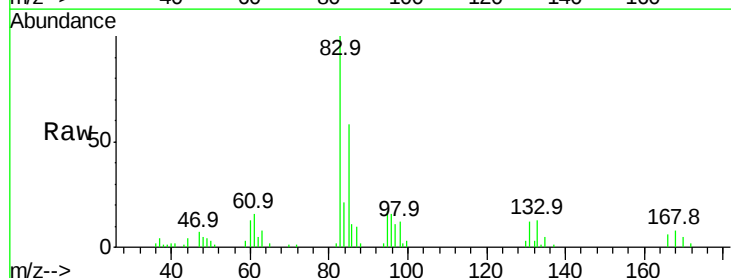
Tgt Ion: 83 Resp: 9598

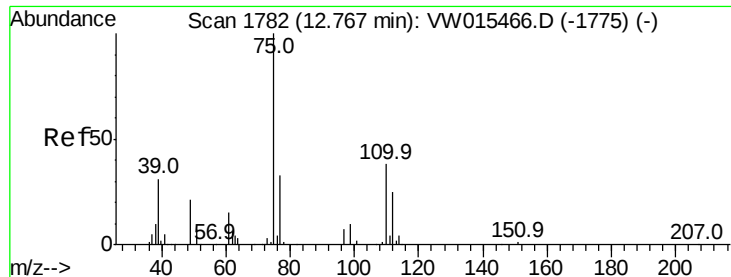
Ion Ratio Lower Upper

83 100

85 58.0 44.7 82.9

131 11.5 9.1 13.7





#59

1,2,3-Trichloropropane

Concen: 2.163 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

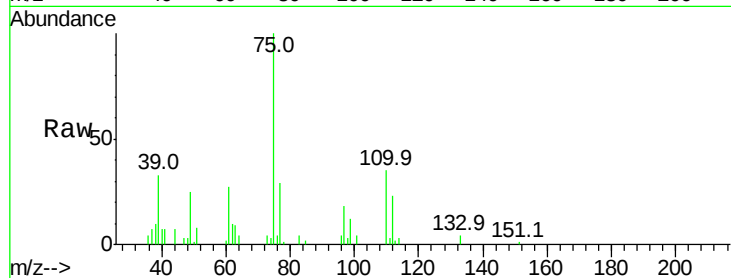
VSTD2.503

Tgt Ion: 75 Resp: 7255

Ion Ratio Lower Upper

75 100

77 33.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

5000

4000

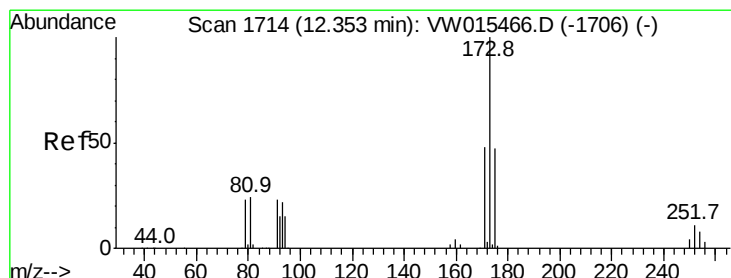
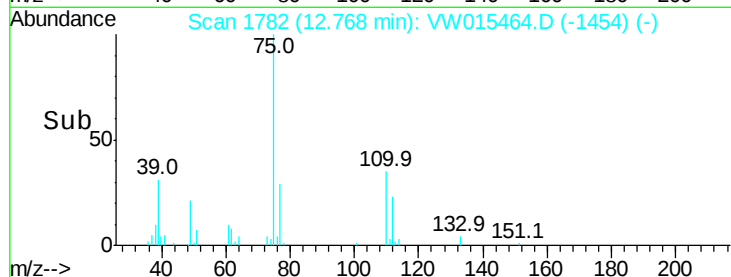
3000

2000

1000

0

Time--> 12.70 12.75 12.80



#62

Bromoform

Concen: 2.135 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

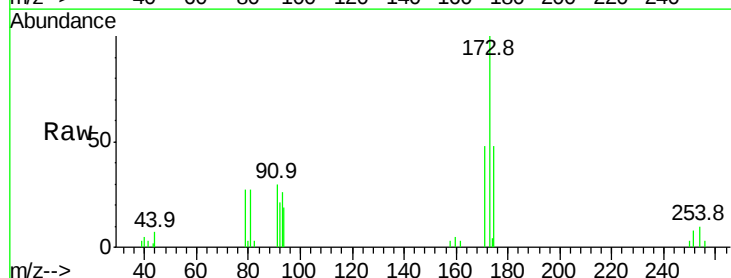
Tgt Ion: 173 Resp: 5208

Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 6.4 6.8 10.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

4000

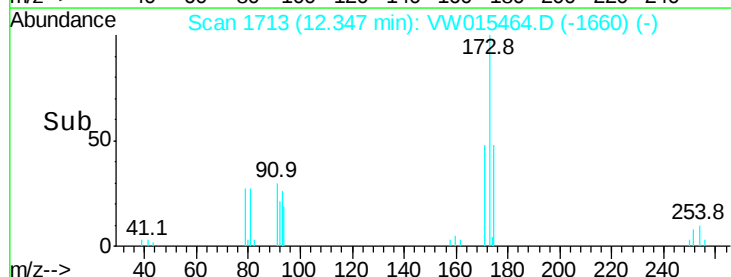
3000

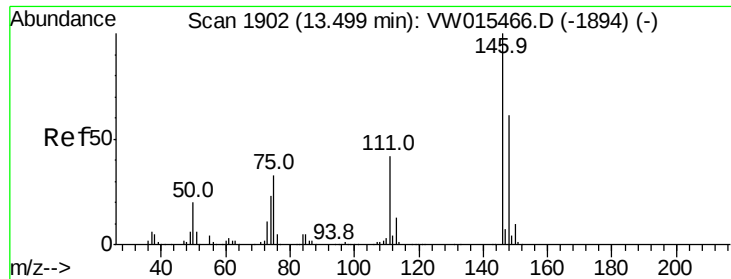
2000

1000

0

Time--> 12.30 12.35 12.40

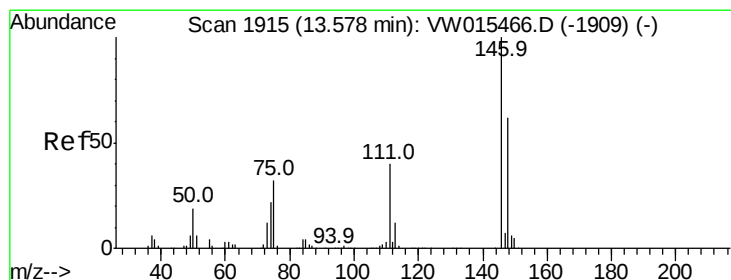
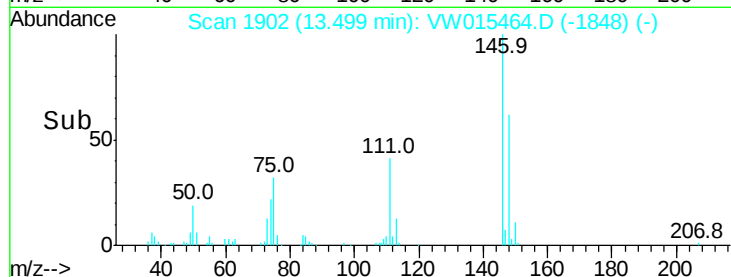
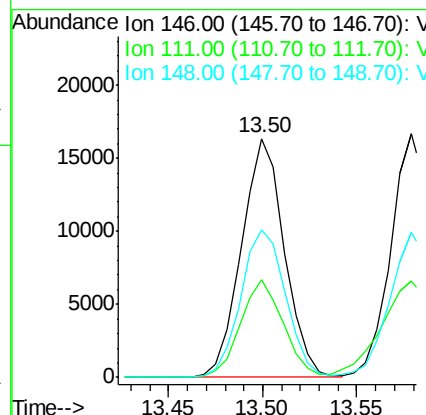
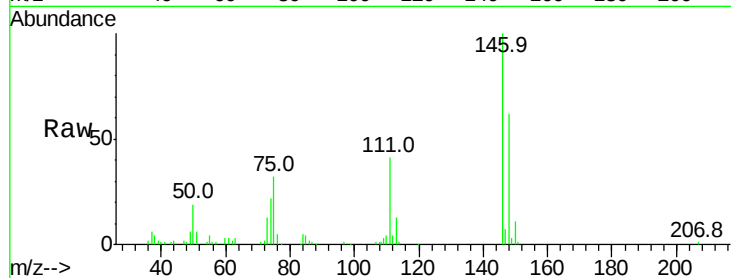




#63
 1,3-Dichlorobenzene
 Concen: 2.450 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

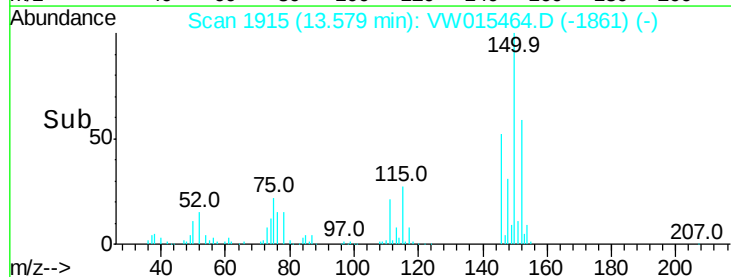
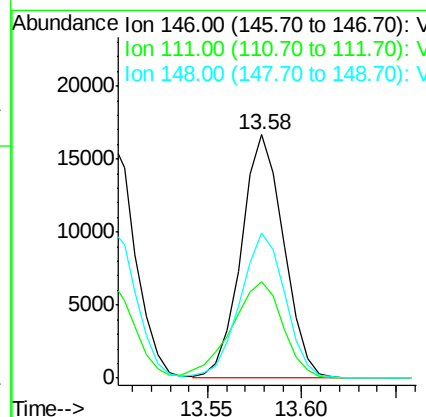
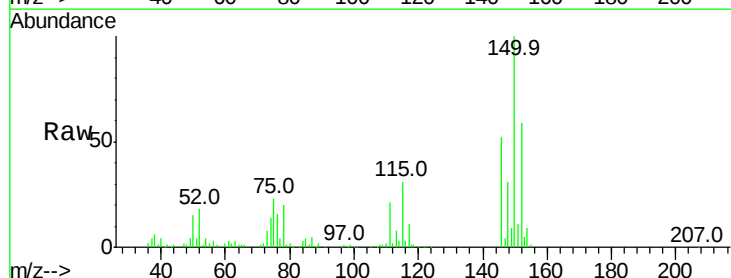
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

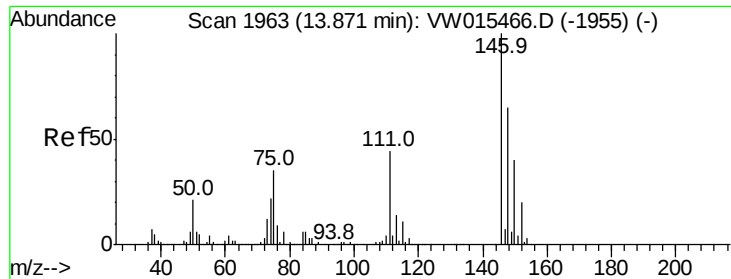
Tgt Ion:146 Resp: 25725
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.3 54.5
 148 61.7 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 2.500 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

Tgt Ion:146 Resp: 26131
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.1 52.1
 148 59.4 43.3 80.3

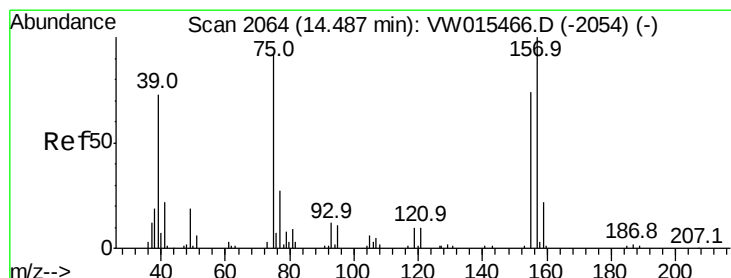
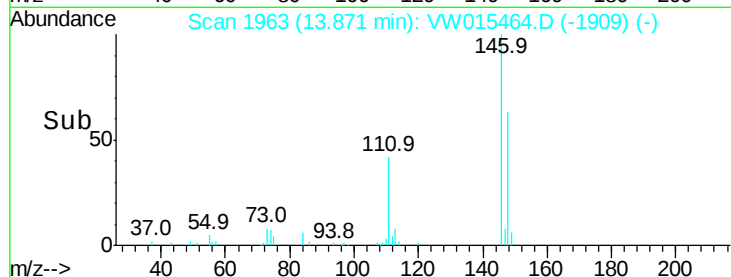
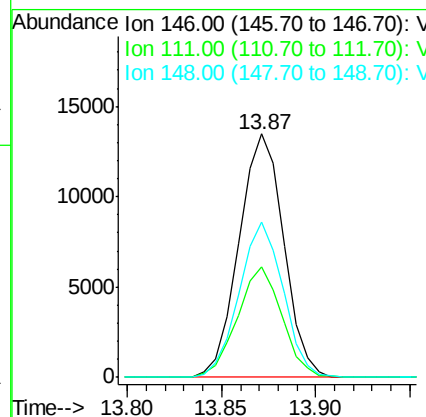
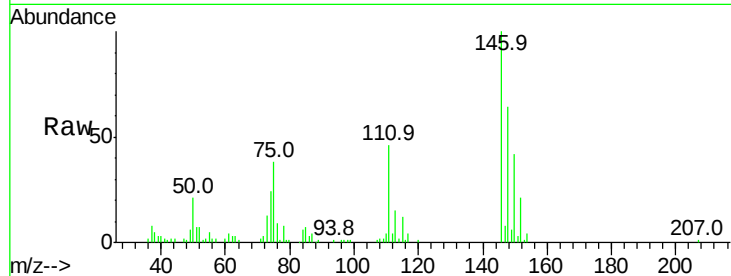




#65
 1,2-Dichlorobenzene
 Concen: 2.398 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

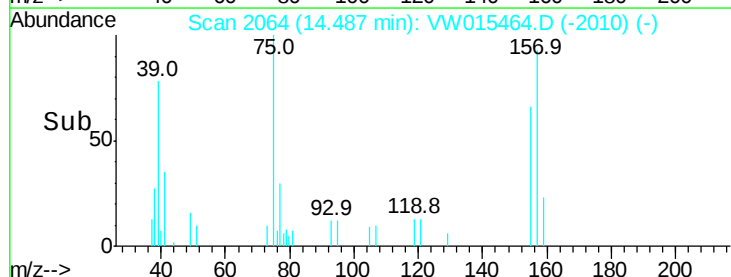
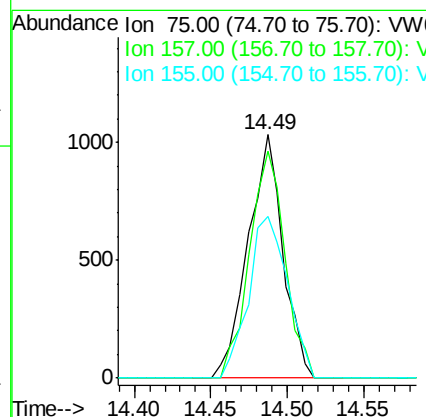
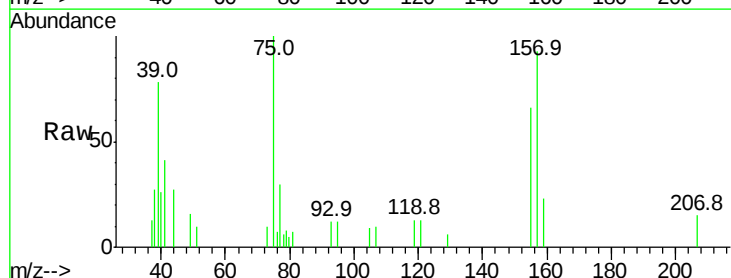
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

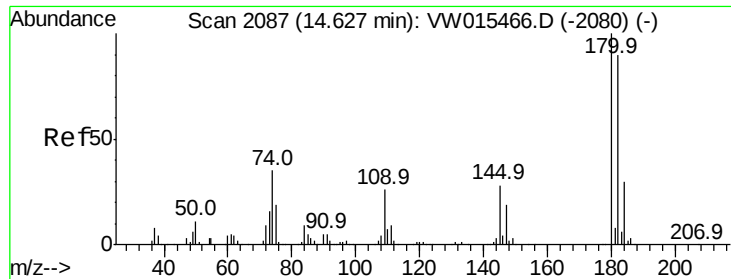
Tgt Ion: 146 Resp: 22152
 Ion Ratio Lower Upper
 146 100
 111 45.6 34.9 52.3
 148 63.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.189 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

Tgt Ion: 75 Resp: 1630
 Ion Ratio Lower Upper
 75 100
 157 93.4 87.4 131.0
 155 66.3 64.6 96.8

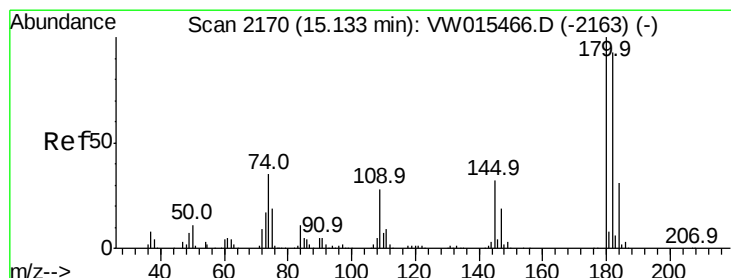
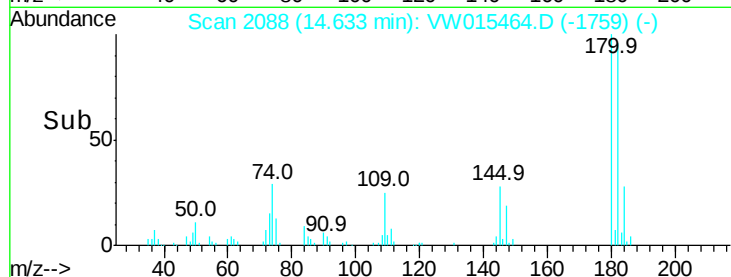
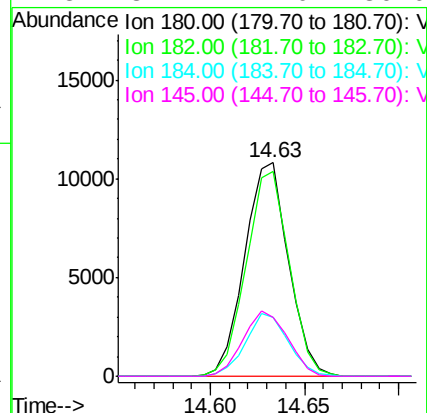
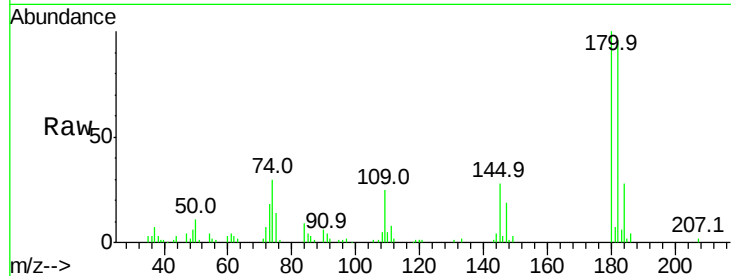




#67
 1,3,5-Trichlorobenzene
 Concen: 2.416 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

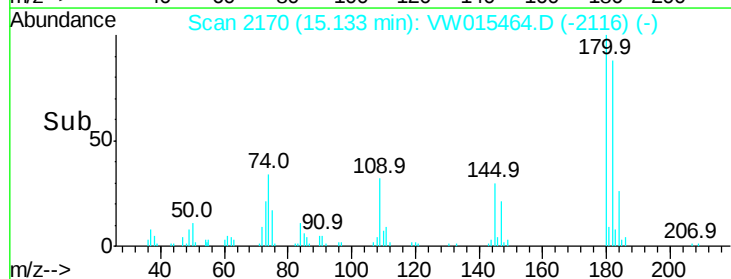
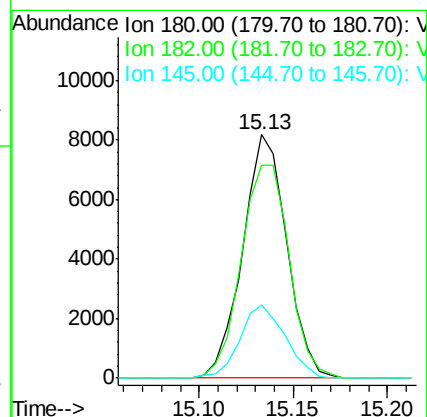
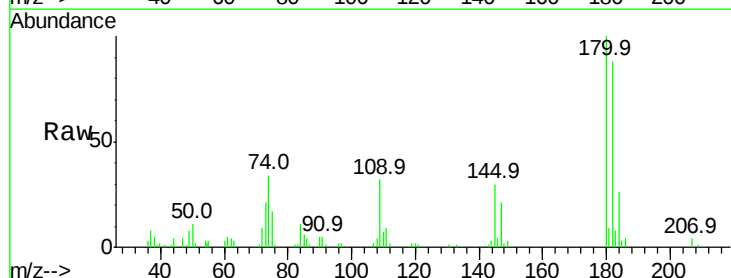
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

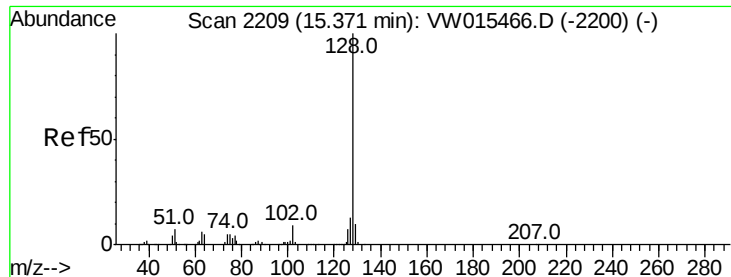
Tgt Ion:180 Resp: 17441
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 114.8
 184 29.0 24.4 36.6
 145 31.2 24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 2.230 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015464.D
 Acq: 26 May 2020 10:07

Tgt Ion:180 Resp: 13293
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 145 30.8 25.2 37.8





#69

Naphthalene

Concen: 1.939 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

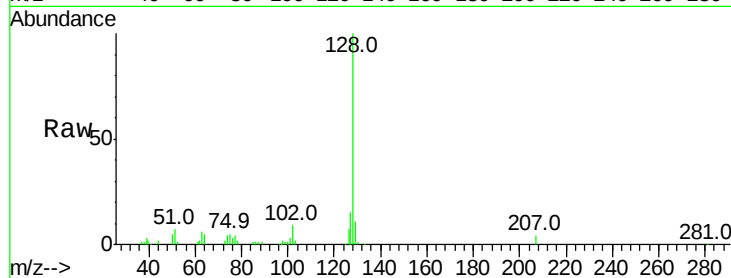
Tgt Ion:128 Resp: 21692

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

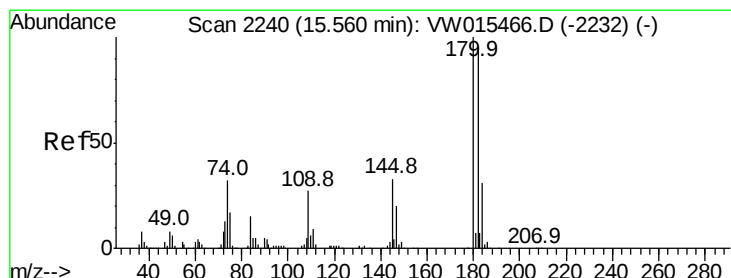
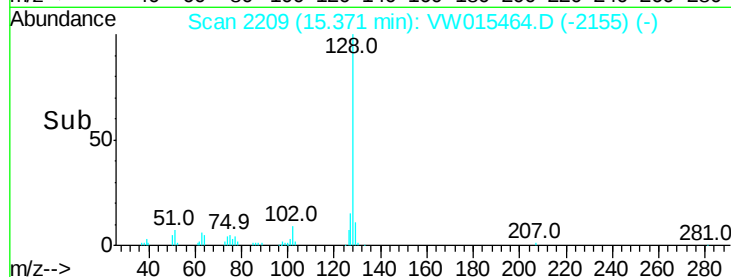
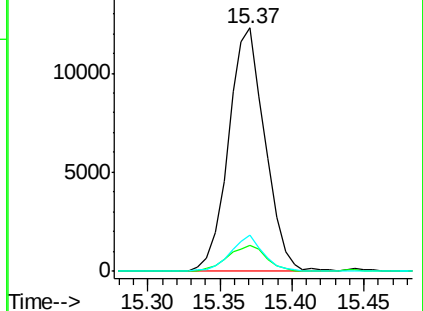
127 13.4 10.6 15.8



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: 2.163 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015464.D

Acq: 26 May 2020 10:07

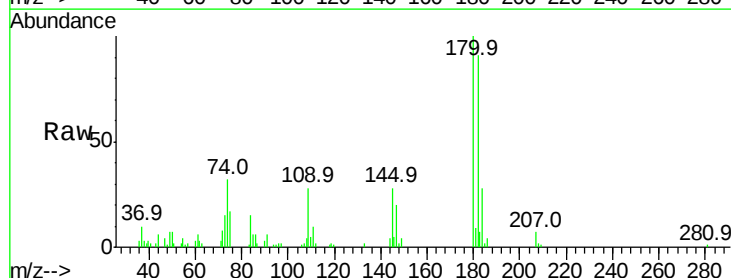
Tgt Ion:180 Resp: 11110

Ion Ratio Lower Upper

180 100

182 93.6 75.4 113.2

145 32.6 26.7 40.1



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

