

Data File : VW015755.D
Acq On : 29 Jun 2020 11:18
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Quant Time: Jun 29 11:55:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 29 11:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	350224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331631	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	157066	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	509052	158.61	ug/L	0.00
7) Chloroethane-d5	2.89	69	417944	130.94	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	955478	122.18	ug/L	0.00
20) 2-Butanone-d5	7.09	46	226082	215.76	ug/L	0.00
24) Chloroform-d	7.65	84	934634	115.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	512068	113.65	ug/L	0.00
29) Benzene-d6	8.28	84	1832212	112.66	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	538276	108.91	ug/L	0.00
37) Toluene-d8	10.32	98	1748643	110.59	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	261514	114.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	187704	219.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	410923	110.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	580070	110.20	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	373103	120.589	ug/L	96
3) Chloromethane	2.22	50	390502	114.652	ug/L	98
5) Vinyl chloride	2.37	62	551412	107.654	ug/L	98
6) Bromomethane	2.78	94	367831	110.488	ug/L	99
8) Chloroethane	2.93	64	347358	111.406	ug/L	98
9) Trichlorofluoromethane	3.26	101	451506	123.866	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	444973	102.927	ug/L	98
12) 1,1-Dichloroethene	4.04	96	436390	104.499	ug/L	94
13) Acetone	4.13	43	181035	223.484	ug/L	98
14) Carbon disulfide	4.39	76	1383994	99.342	ug/L	99
15) Methyl Acetate	4.67	43	182562	104.169	ug/L	100
16) Methylene chloride	4.92	84	441124	102.627	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	656991	99.138	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	484538	108.267	ug/L	100
19) 1,1-Dichloroethane	6.22	63	859124	106.727	ug/L	99
21) 2-Butanone	7.18	43	251672	202.245	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	510931	109.438	ug/L	98
23) Bromochloromethane	7.52	128	216808	107.692	ug/L	96
25) Chloroform	7.68	83	876838	108.179	ug/L	100
27) 1,2-Dichloroethane	8.40	62	584320	106.562	ug/L	99
30) Cyclohexane	7.96	56	815810	99.518	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	756981	102.032	ug/L	99
32) Carbon tetrachloride	8.07	117	694327	102.036	ug/L	99
34) Benzene	8.33	78	1940971	104.658	ug/L	100
35) Trichloroethene	9.09	95	515920	103.564	ug/L	100
36) Methylcyclohexane	9.34	83	912389	102.691	ug/L	99
40) 1,2-Dichloropropane	9.37	63	467368	102.334	ug/L	99
41) Bromodichloromethane	9.65	83	632164	103.610	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	789390	108.010	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	554301	207.048	ug/L	98

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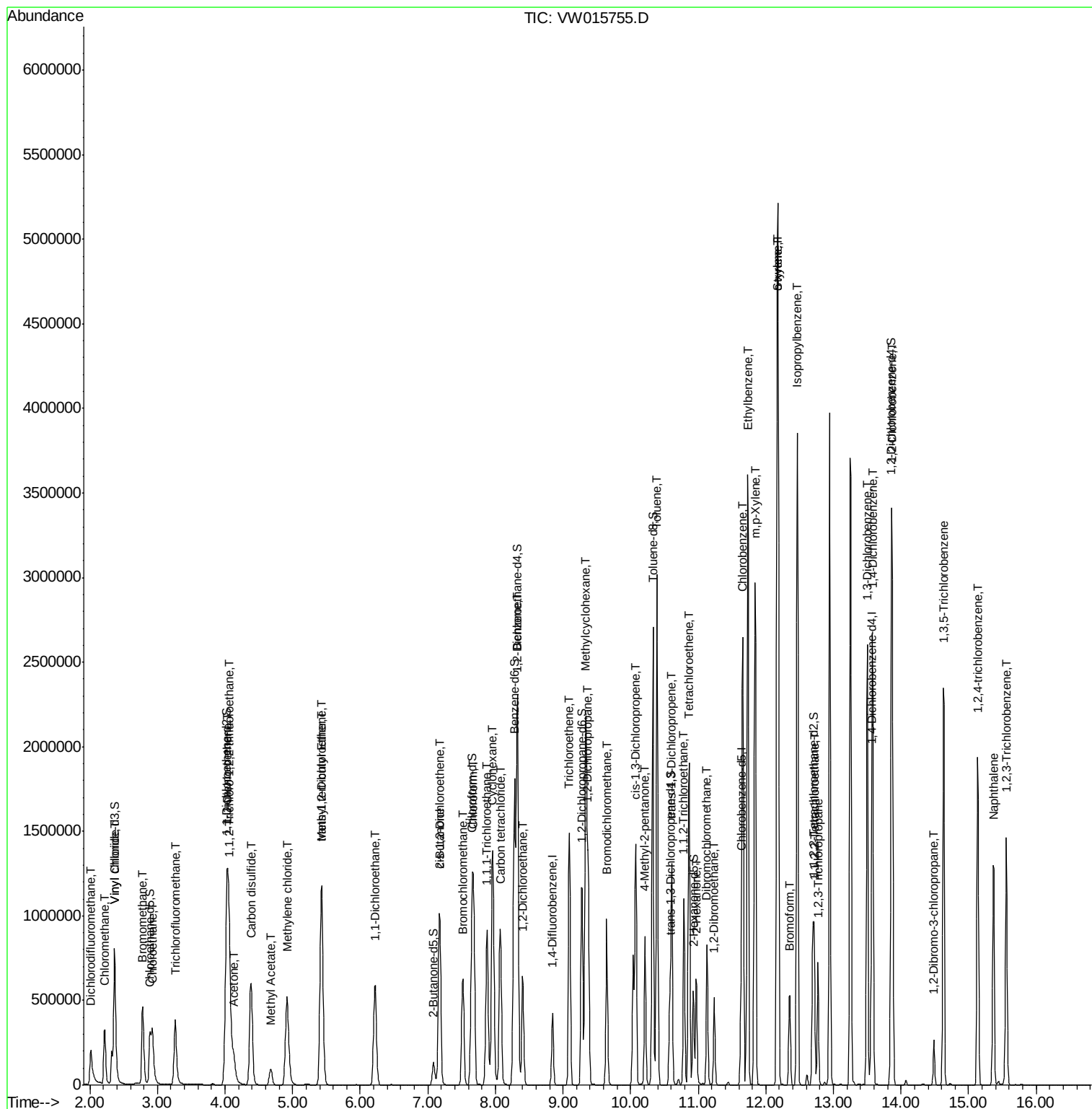
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2168364	107.316	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	696100	109.447	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	345340	108.082	ug/L	98
47) Tetrachloroethene	10.87	164	414581	104.986	ug/L	96
49) 2-Hexanone	10.97	43	390132	215.895	ug/L	100
50) Dibromochloromethane	11.13	129	423300	109.043	ug/L	93
51) 1,2-Dibromoethane	11.24	107	333789	108.816	ug/L	96
52) Chlorobenzene	11.66	112	1347966	106.359	ug/L	97
53) Ethylbenzene	11.73	91	2486161	107.157	ug/L	98
54) m,p-Xylene	11.84	106	943334	108.355	ug/L	95
55) o-xylene	12.17	106	917999	111.087	ug/L	99
56) Styrene	12.18	104	1585537	112.287	ug/L	99
57) Isopropylbenzene	12.46	105	2507164	108.912	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	400923	108.383	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	297070	105.914	ug/L	99
62) Bromoform	12.35	173	241367	110.292	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1037168	107.913	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1013950	107.668	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	907574	108.664	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	65441	103.286	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	715323	107.502	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	595893	111.189	ug/L	99
69) Naphthalene	15.37	128	1123173	115.421	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	508022	111.424	ug/L	99

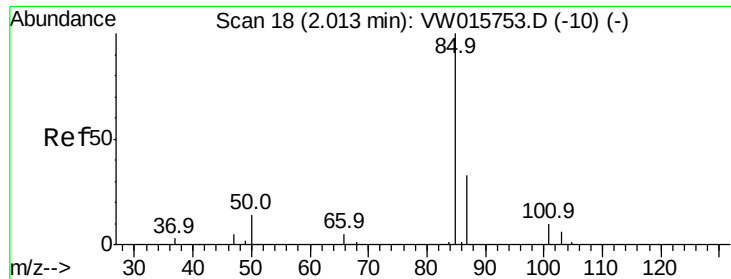
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 120.589 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

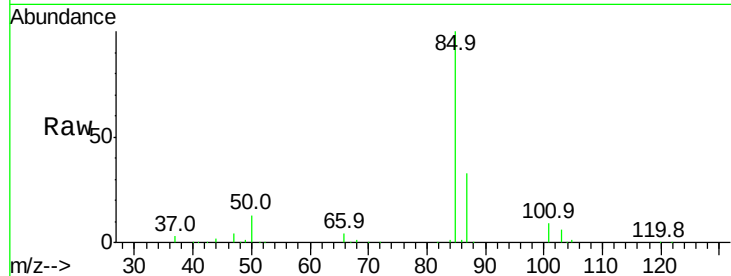
VSTD10002

Tgt Ion: 85 Resp: 373103

Ion Ratio Lower Upper

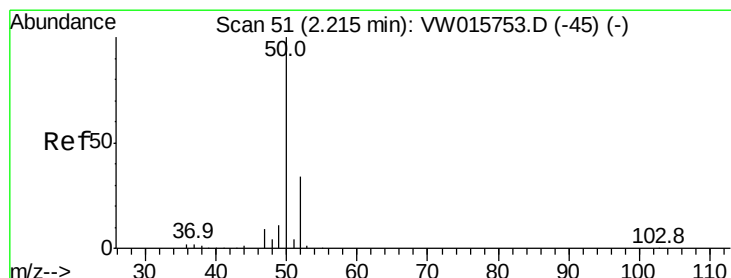
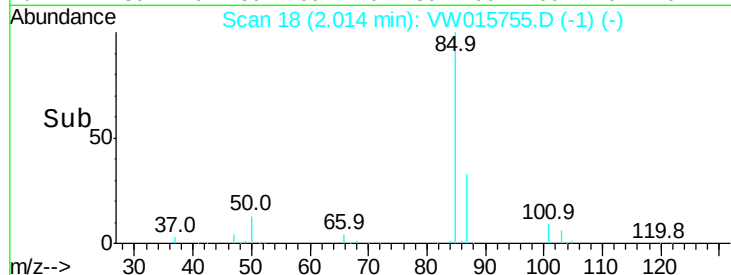
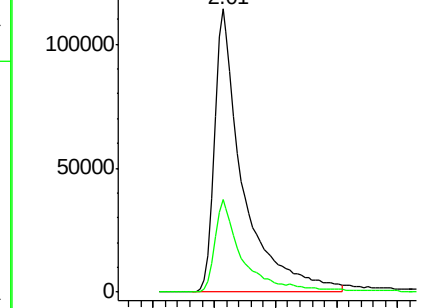
85 100

87 32.3 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 114.652 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015755.D

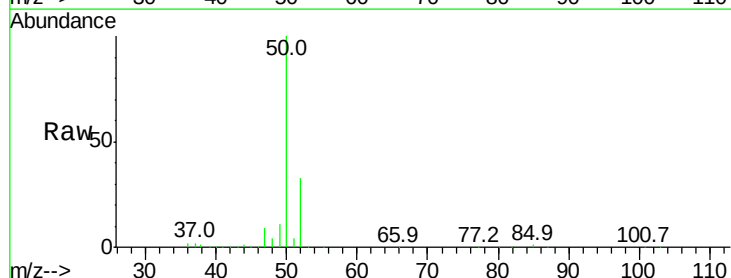
Acq: 29 Jun 2020 11:18

Tgt Ion: 50 Resp: 390502

Ion Ratio Lower Upper

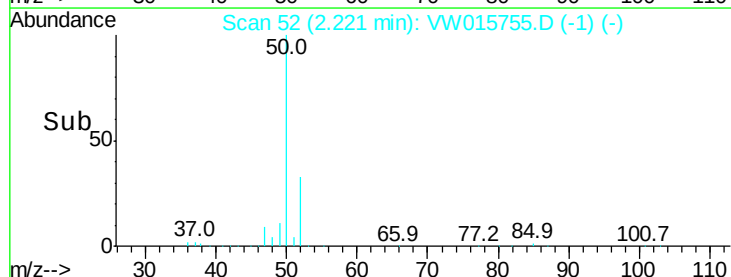
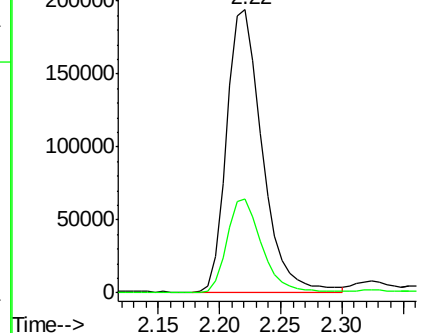
50 100

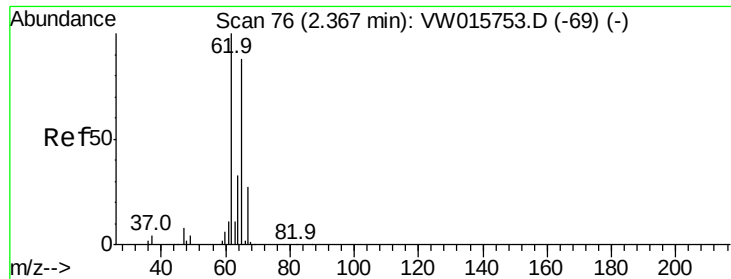
52 33.0 23.7 44.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 107.654 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

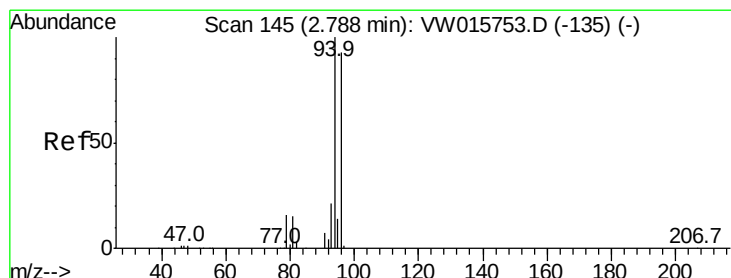
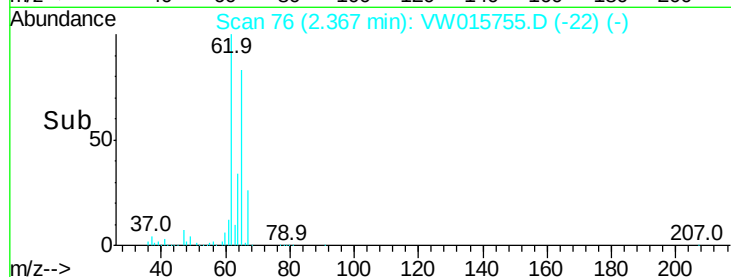
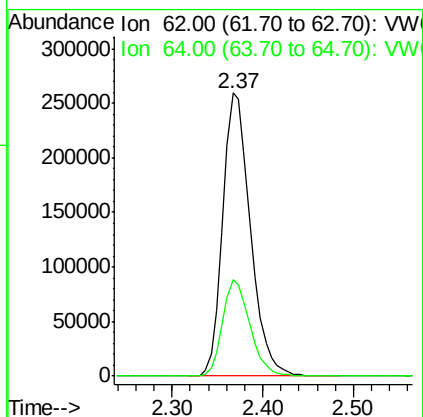
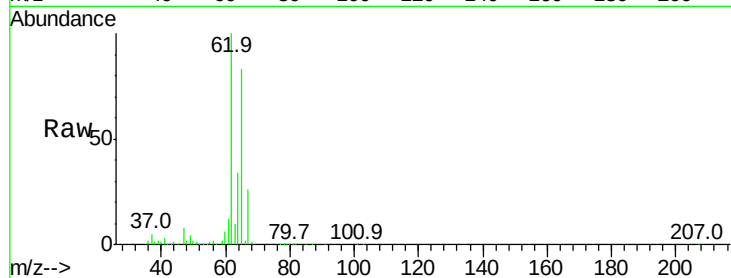
VSTD10002

Tgt Ion: 62 Resp: 551412

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 110.488 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015755.D

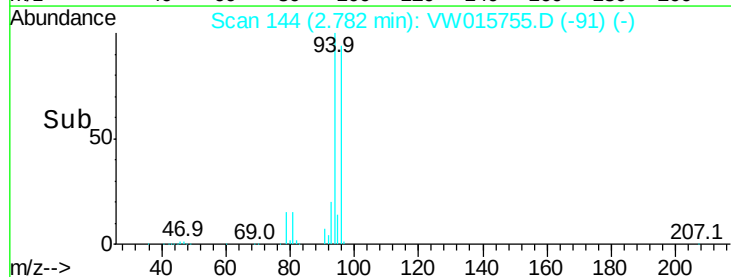
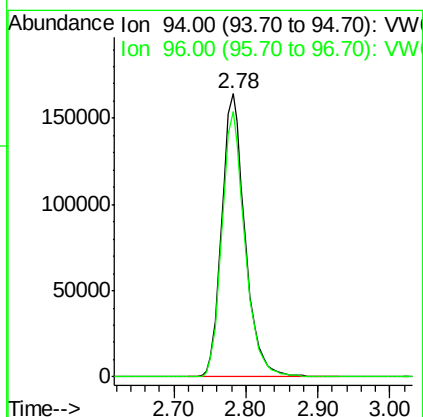
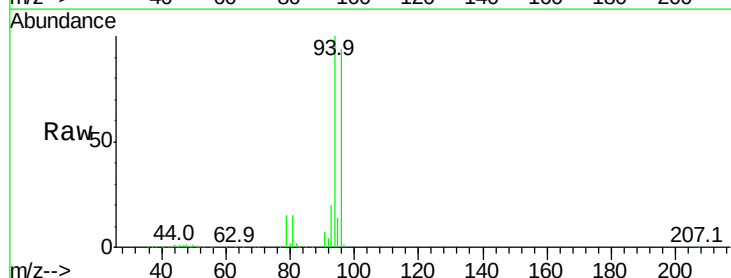
Acq: 29 Jun 2020 11:18

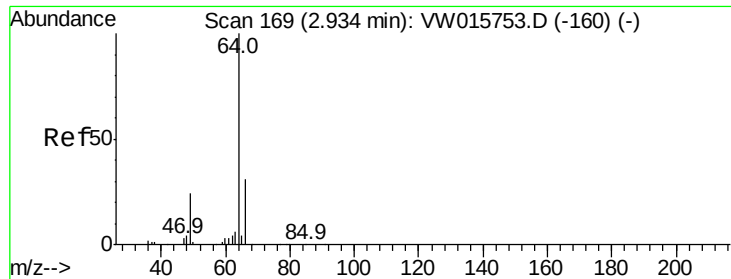
Tgt Ion: 94 Resp: 367831

Ion Ratio Lower Upper

94 100

96 93.3 9.4 179.2





#8

Chloroethane

Concen: 111.406 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

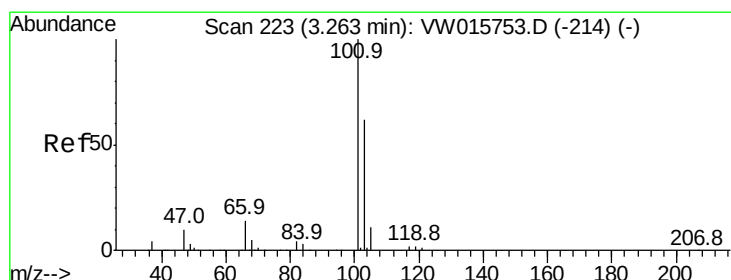
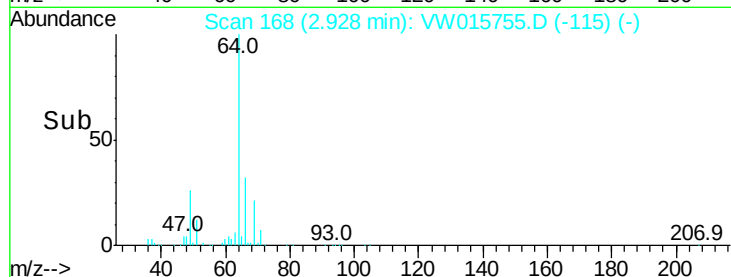
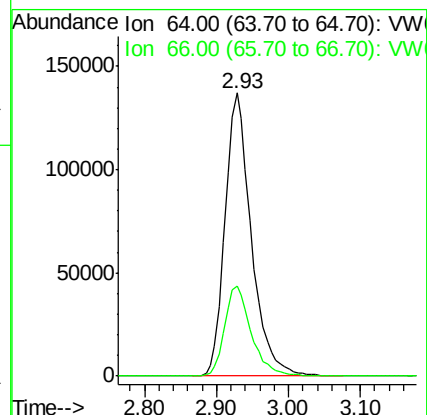
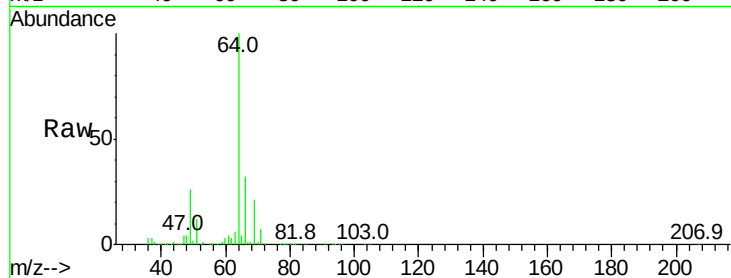
VSTD10002

Tgt Ion: 64 Resp: 347358

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.2



#9

Trichlorofluoromethane

Concen: 123.866 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015755.D

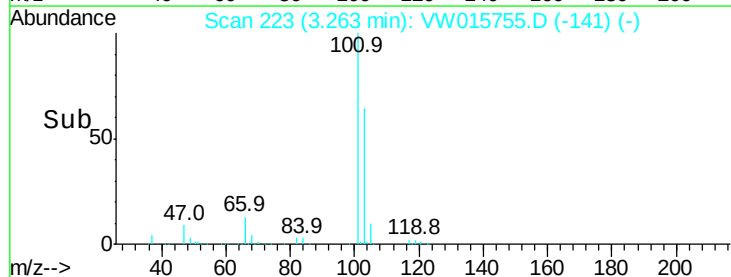
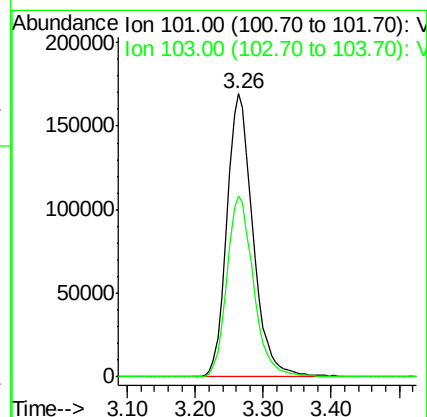
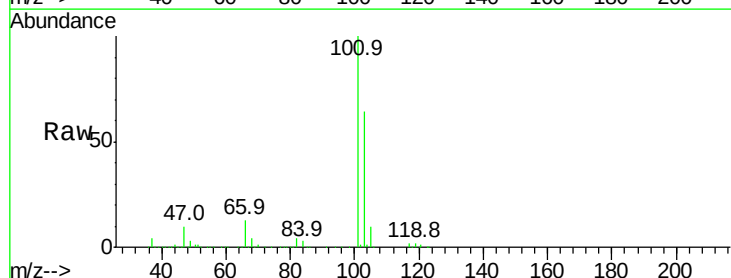
Acq: 29 Jun 2020 11:18

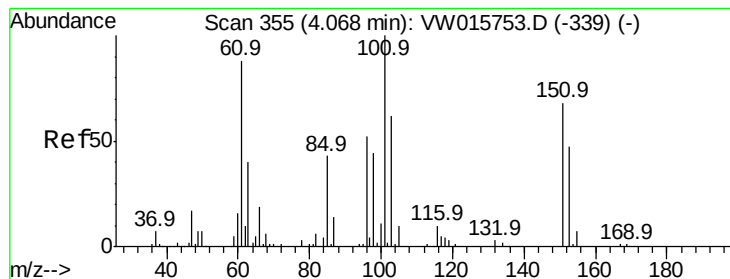
Tgt Ion: 101 Resp: 451506

Ion Ratio Lower Upper

101 100

103 65.1 44.4 82.4





#11

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

Concen: 102.927 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

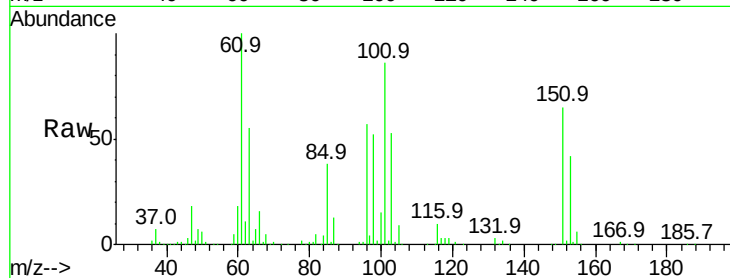
Tgt Ion: 101 Resp: 444973

Ion Ratio Lower Upper

101 100

85 44.3 34.4 51.6

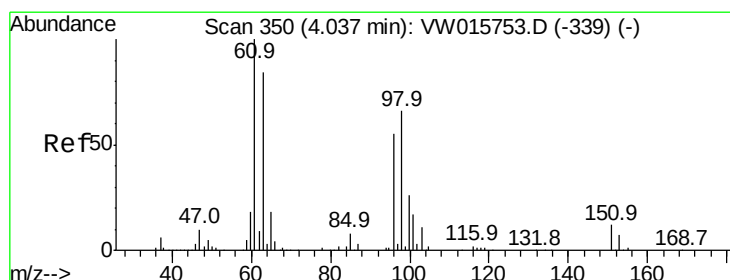
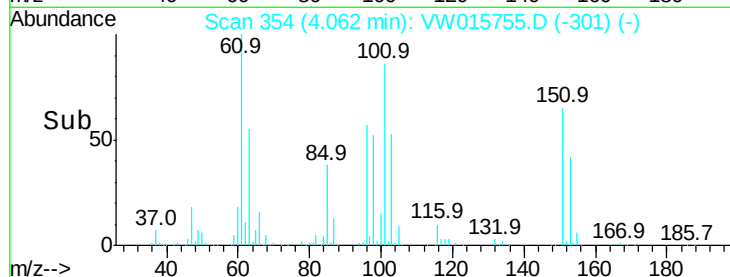
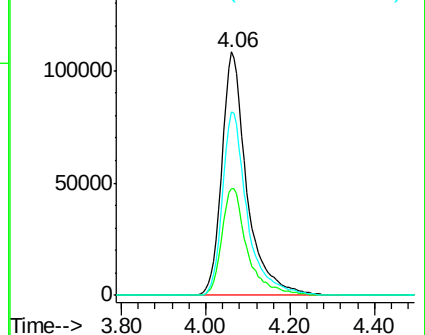
151 74.6 58.6 88.0



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: 104.499 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

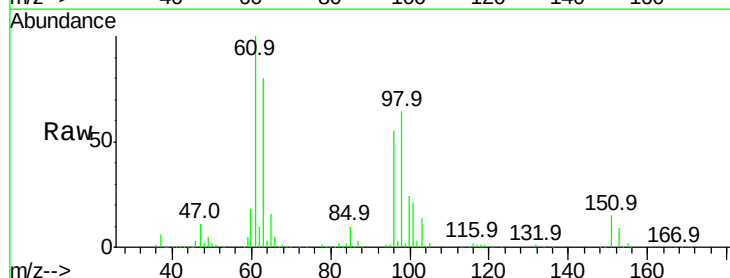
Tgt Ion: 96 Resp: 436390

Ion Ratio Lower Upper

96 100

61 182.4 128.0 237.6

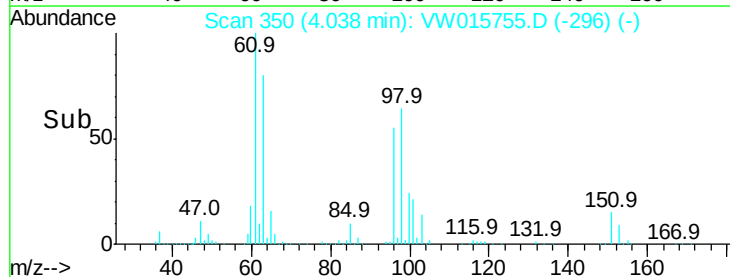
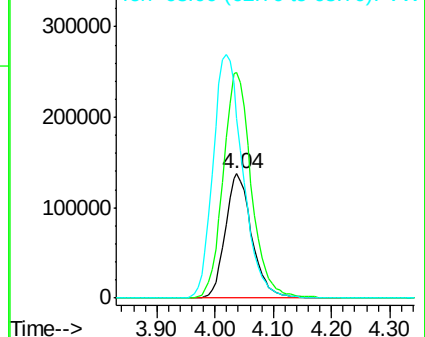
63 145.3 112.3 208.7

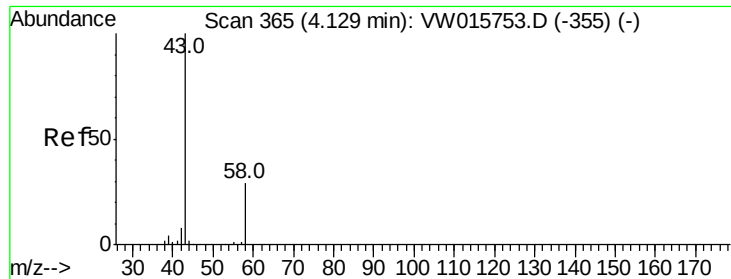


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 223.484 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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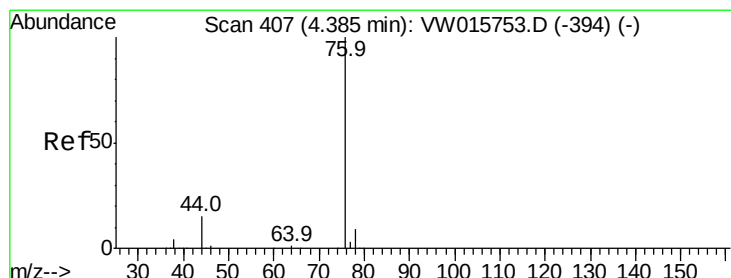
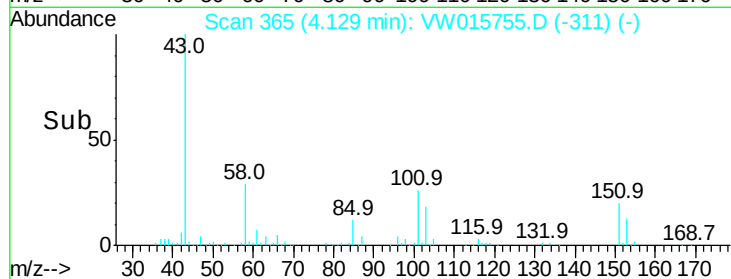
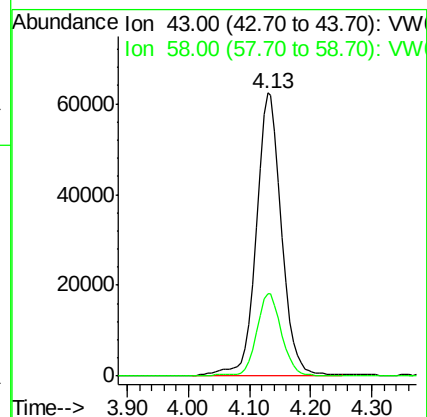
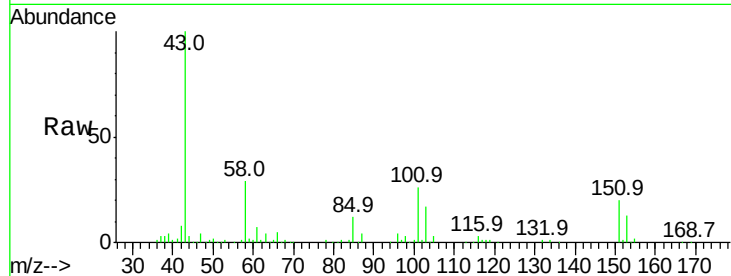
VSTD10002

Tgt Ion: 43 Resp: 181035

Ion Ratio Lower Upper

43 100

58 28.5 0.0 59.4



#14

Carbon disulfide

Concen: 99.342 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015755.D

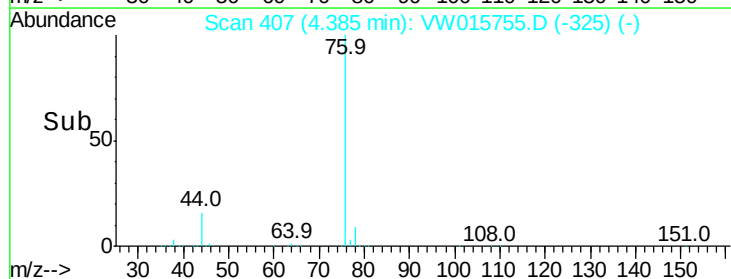
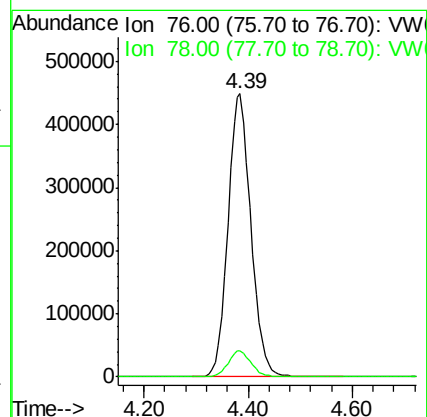
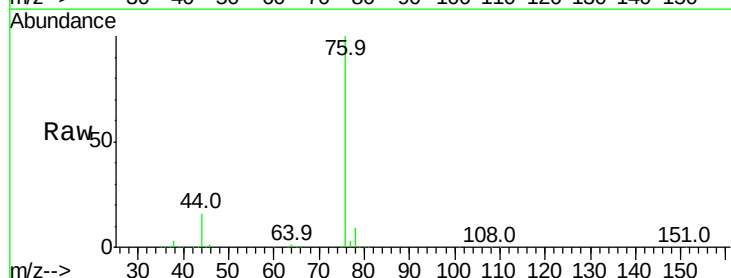
Acq: 29 Jun 2020 11:18

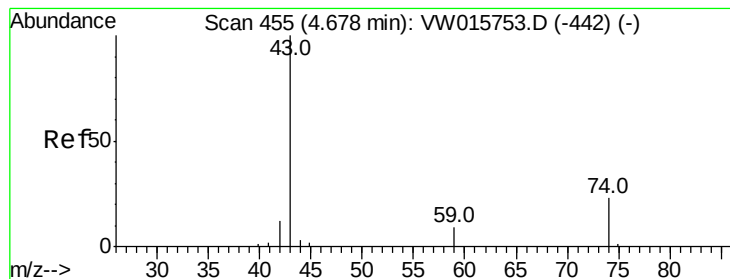
Tgt Ion: 76 Resp: 1383994

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3





#15

Methyl Acetate

Concen: 104.169 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

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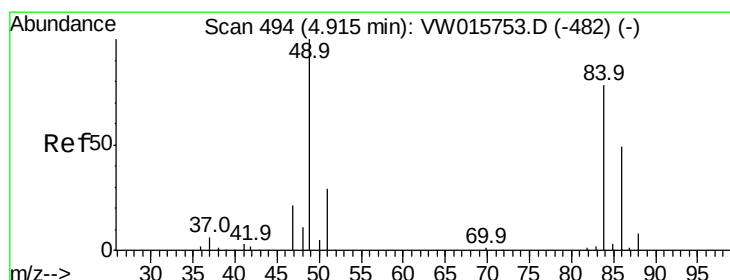
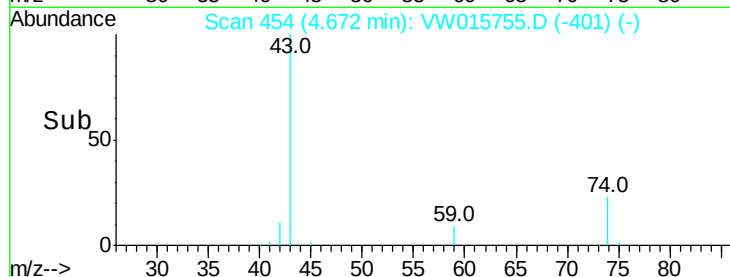
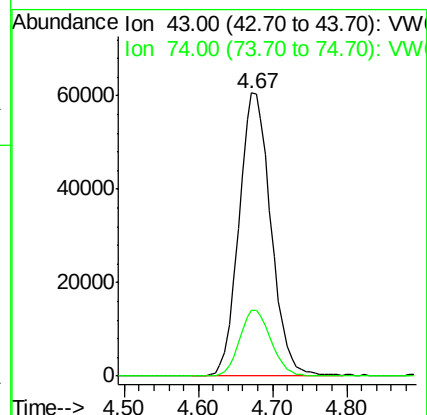
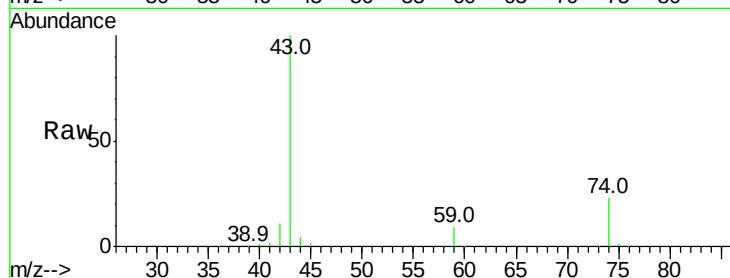
VSTD10002

Tgt Ion: 43 Resp: 182562

Ion Ratio Lower Upper

43 100

74 23.1 18.4 27.6



#16

Methylene chloride

Concen: 102.627 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

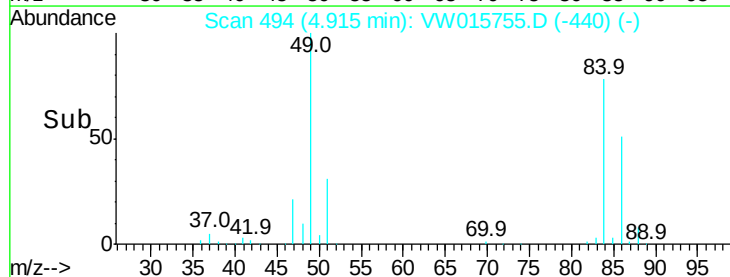
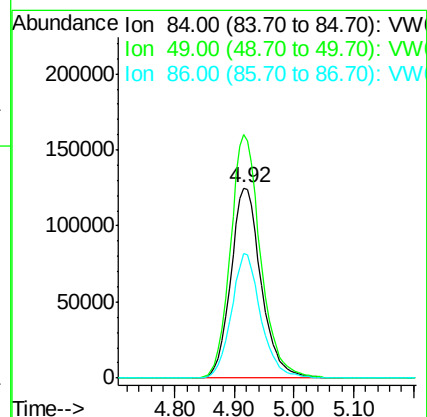
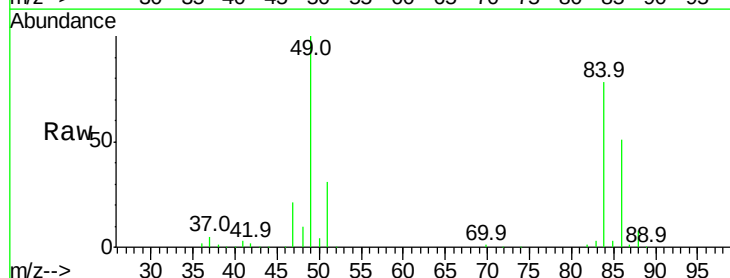
Tgt Ion: 84 Resp: 441124

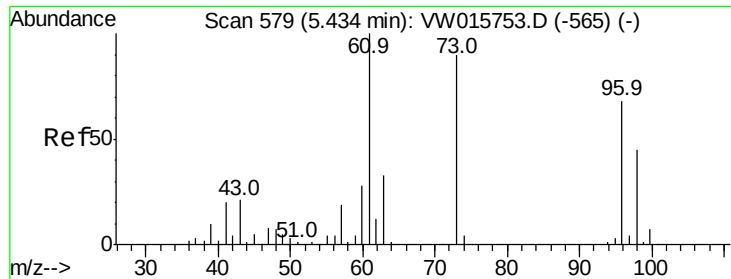
Ion Ratio Lower Upper

84 100

49 127.9 90.0 167.2

86 65.2 44.0 81.8

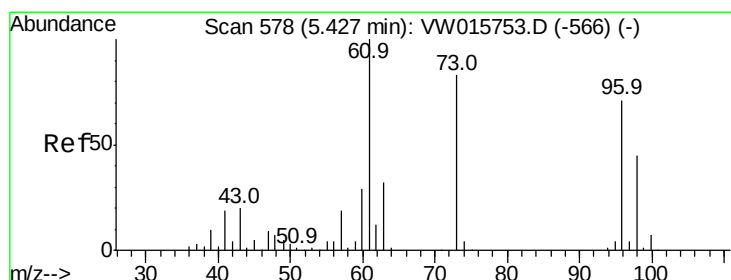
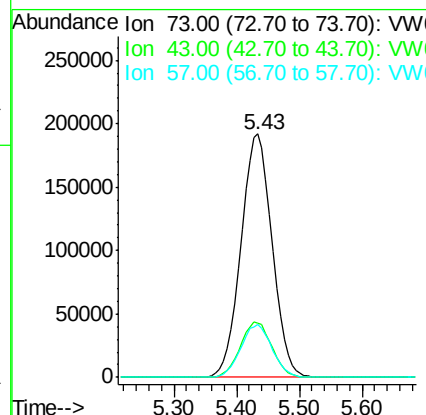
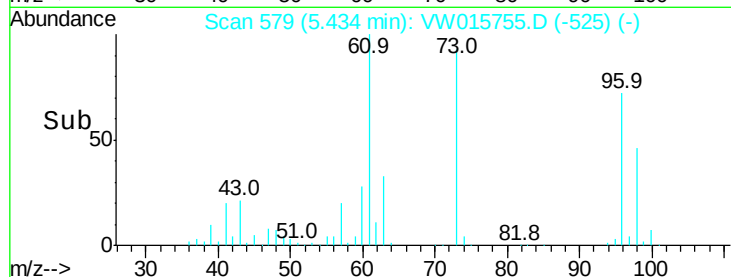
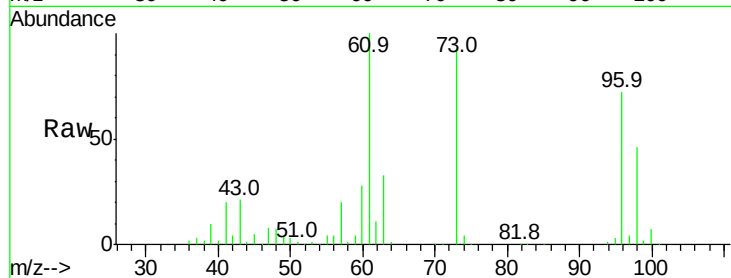




#17
Methyl tert-butyl Ether
Concen: 99.138 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

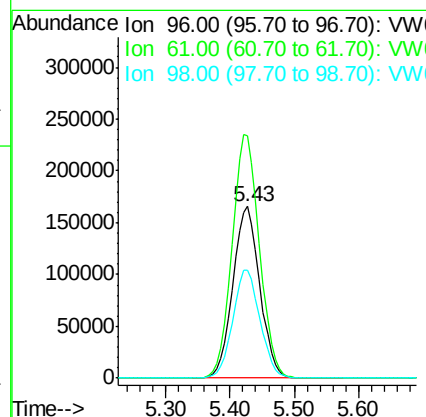
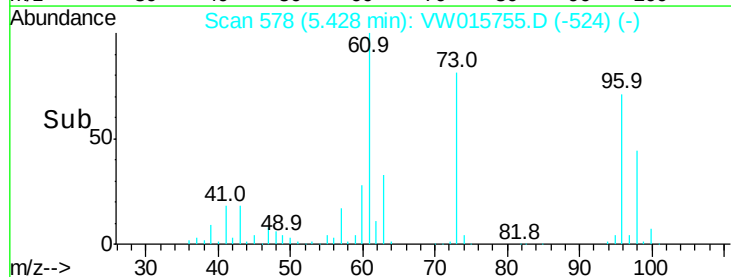
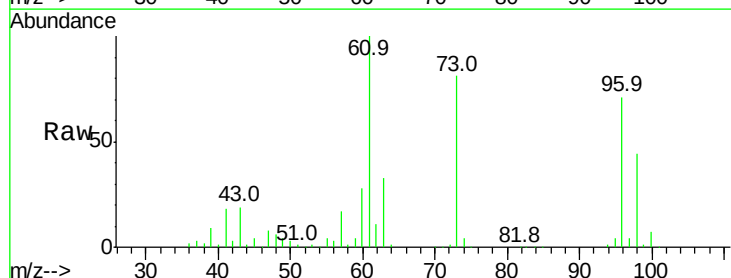
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

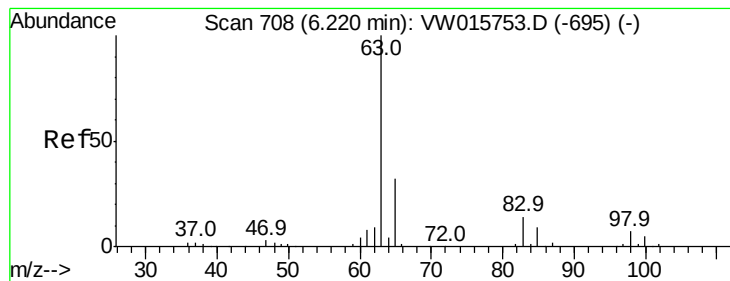
Tgt Ion: 73 Resp: 656991
Ion Ratio Lower Upper
73 100
43 23.1 19.0 28.4
57 21.8 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 108.267 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Tgt Ion: 96 Resp: 484538
Ion Ratio Lower Upper
96 100
61 140.9 98.5 182.9
98 62.5 44.4 82.4





#19

1,1-Dichloroethane

Concen: 106.727 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

VSTD10002

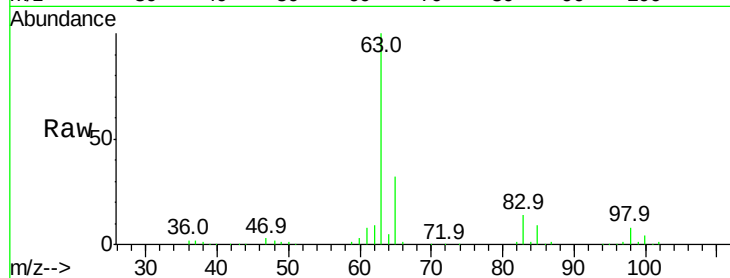
Tgt Ion: 63 Resp: 859124

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

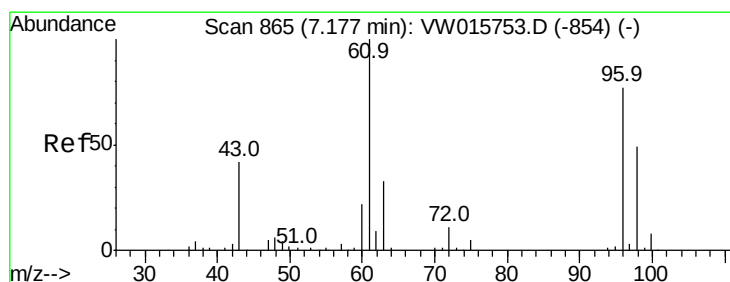
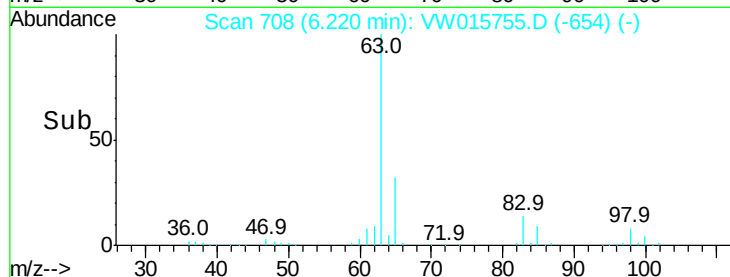
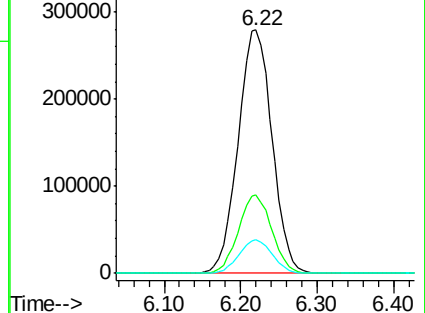
83 13.9 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 202.245 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015755.D

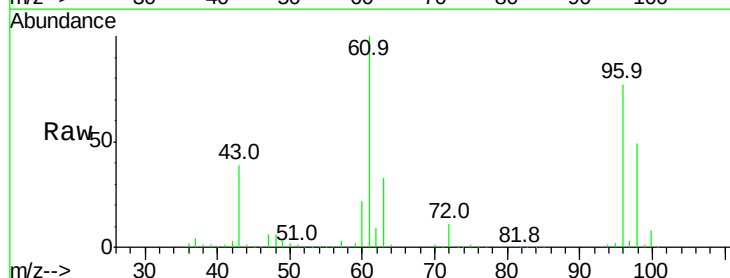
Acq: 29 Jun 2020 11:18

Tgt Ion: 43 Resp: 251672

Ion Ratio Lower Upper

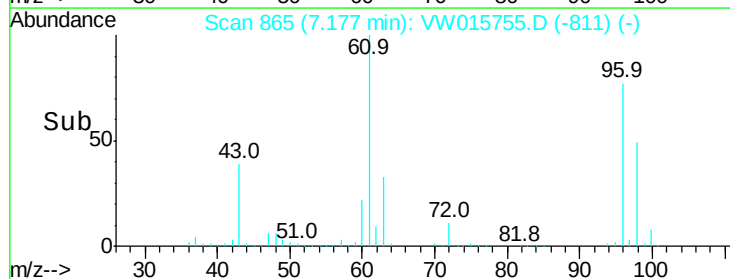
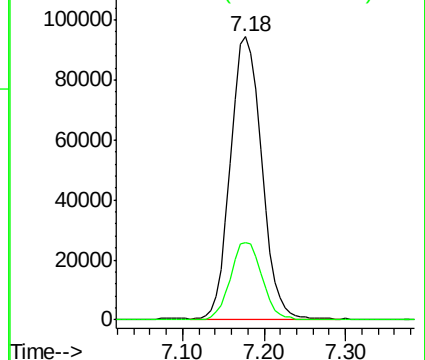
43 100

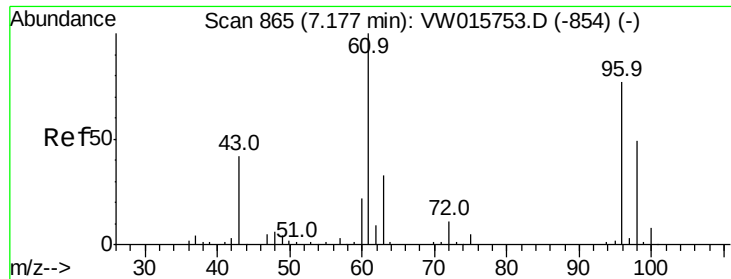
72 27.6 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



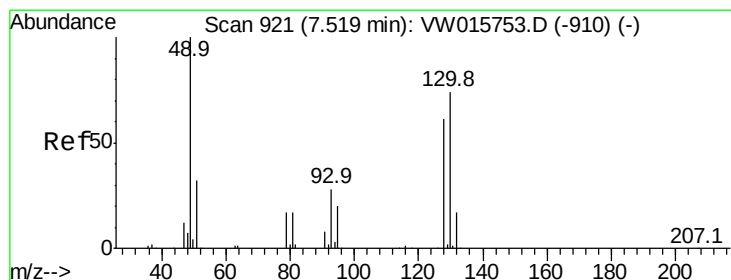
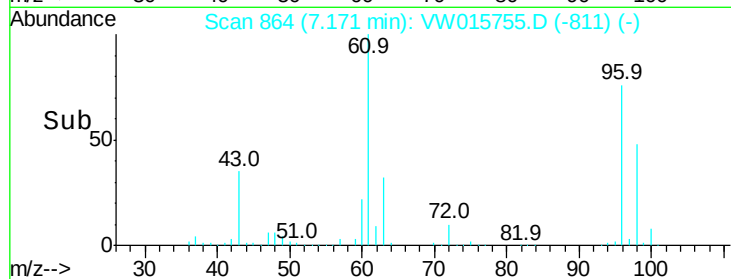
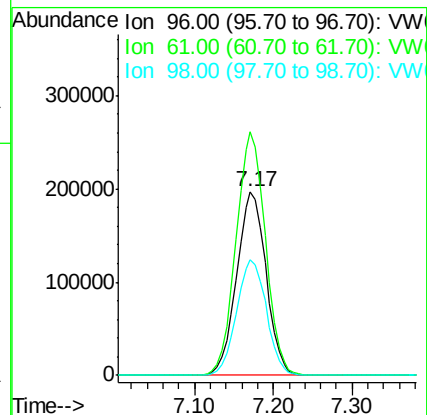
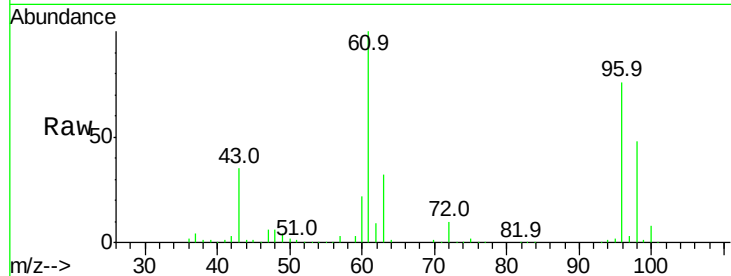


#22

cis-1,2-Dichloroethene
Concen: 109.438 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

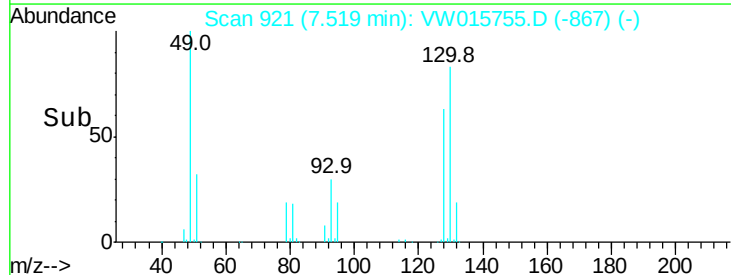
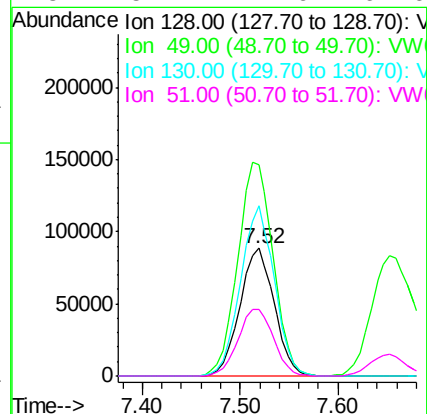
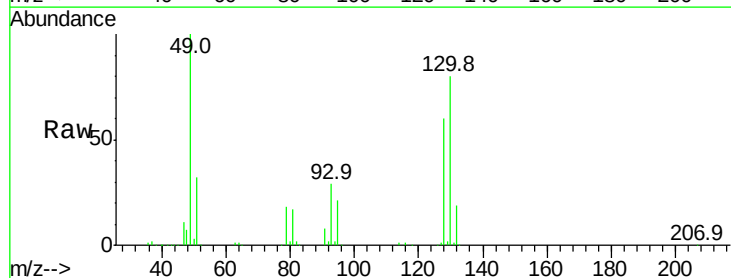
Tgt Ion: 96 Resp: 510931
Ion Ratio Lower Upper
96 100
61 132.4 90.8 168.6
98 62.9 44.1 81.9

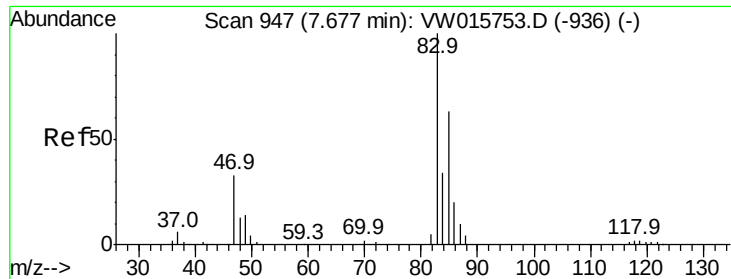


#23

Bromochloromethane
Concen: 107.692 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Tgt Ion: 128 Resp: 216808
Ion Ratio Lower Upper
128 100
49 165.3 115.0 213.6
130 132.7 85.1 158.1
51 52.4 42.6 64.0

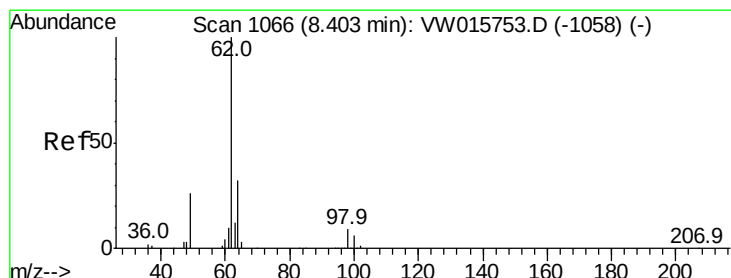
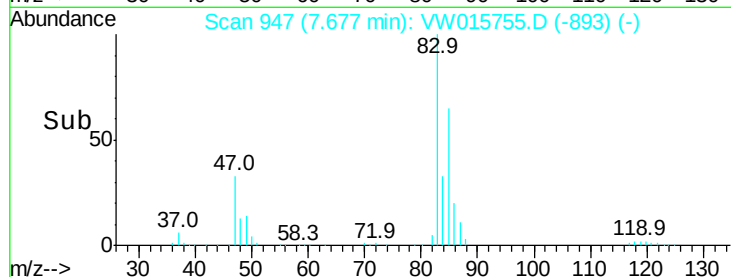
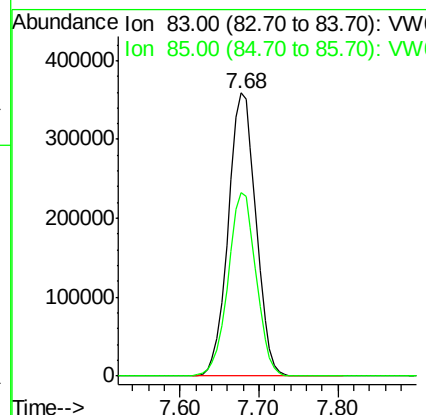
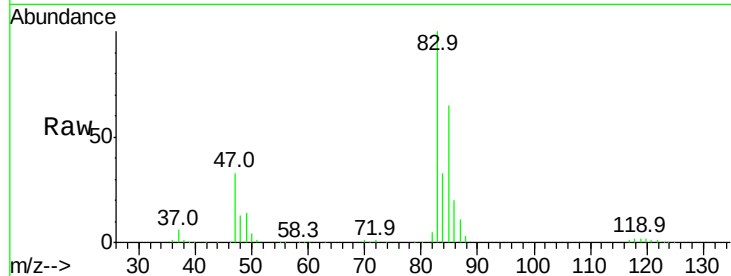




#25
Chloroform
Concen: 108.179 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

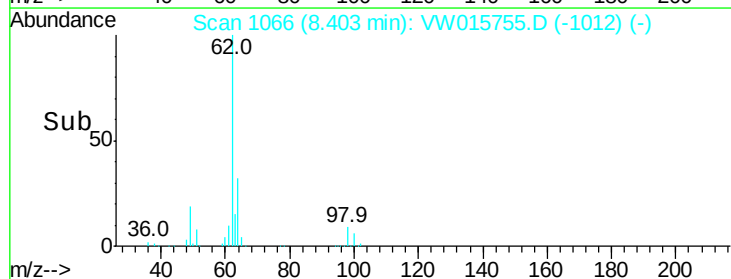
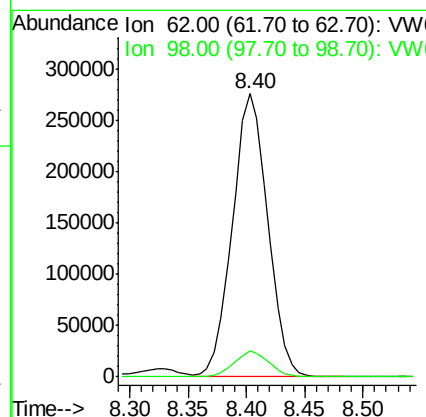
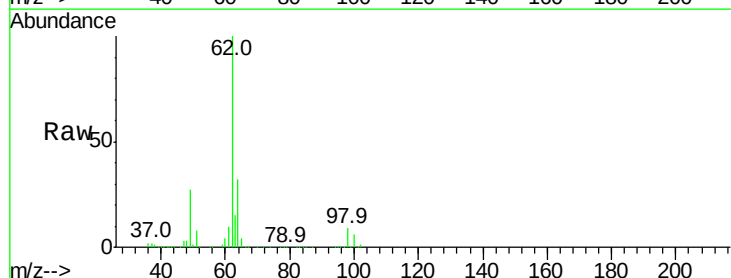
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

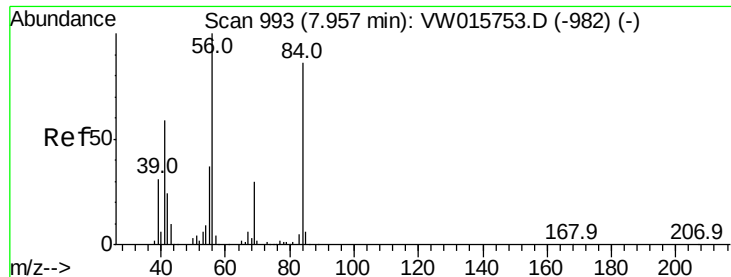
Tgt Ion: 83 Resp: 876838
Ion Ratio Lower Upper
83 100
85 65.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 106.562 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Tgt Ion: 62 Resp: 584320
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

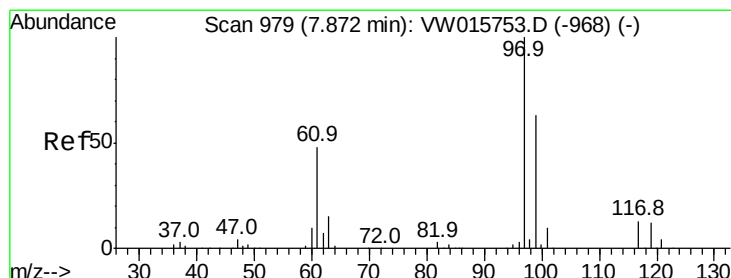
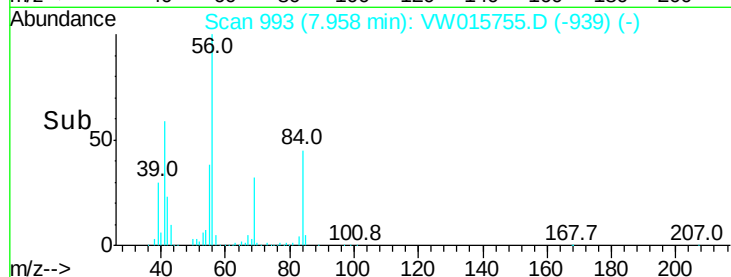
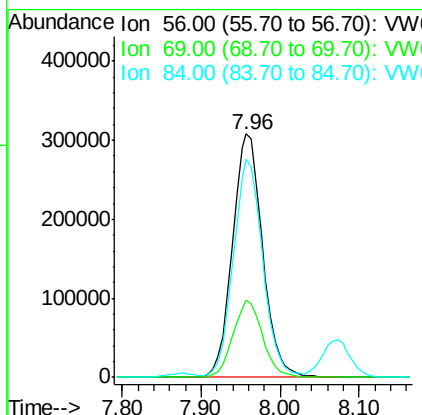
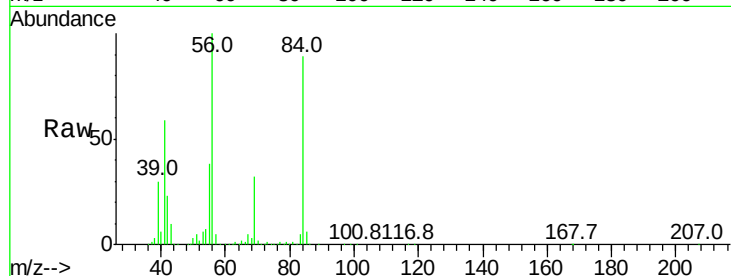




#30
Cyclohexane
Concen: 99.518 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

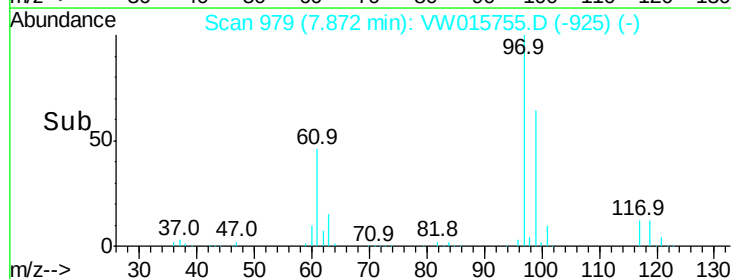
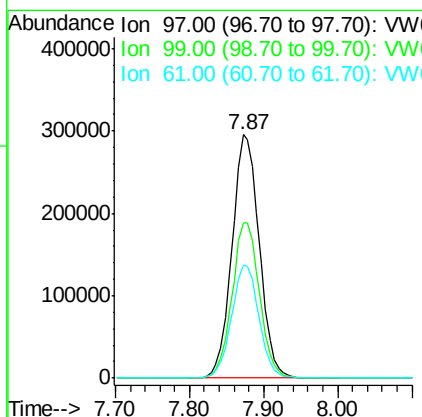
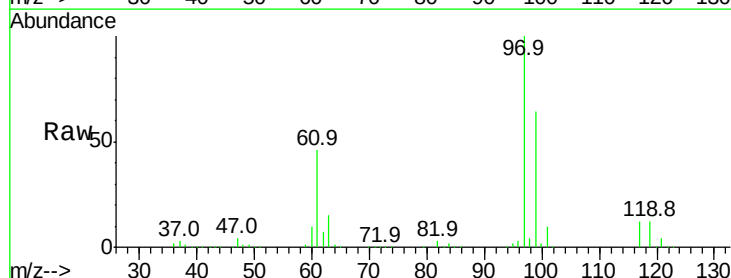
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

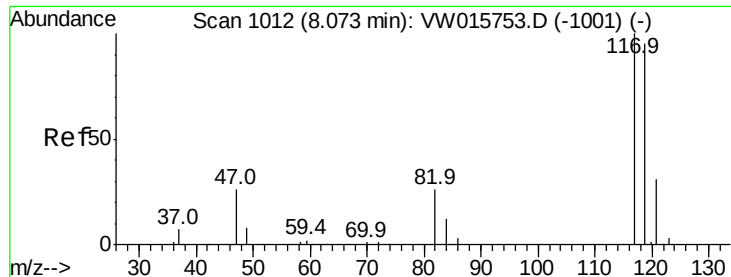
Tgt Ion: 56 Resp: 815810
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 88.0 71.1 106.7



#31
1,1,1-Trichloroethane
Concen: 102.032 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Tgt Ion: 97 Resp: 756981
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 46.8 37.9 56.9





#32

Carbon tetrachloride

Concen: 102.036 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

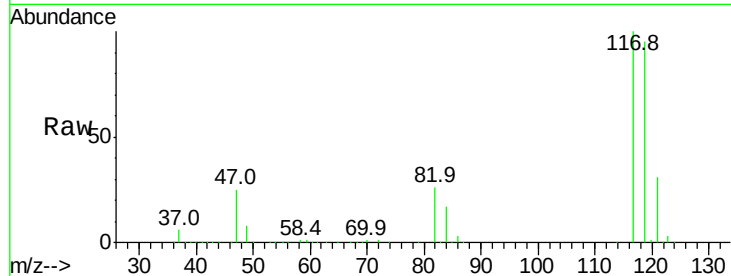
VSTD10002

Tgt Ion:117 Resp: 694327

Ion Ratio Lower Upper

117 100

119 97.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

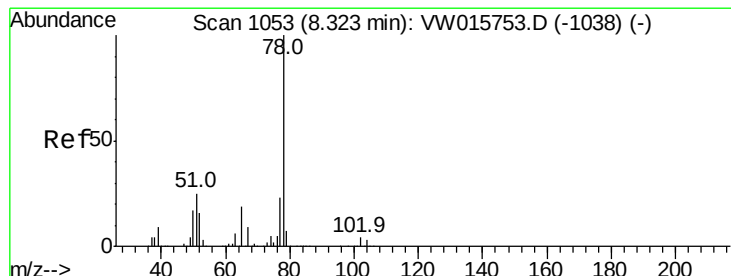
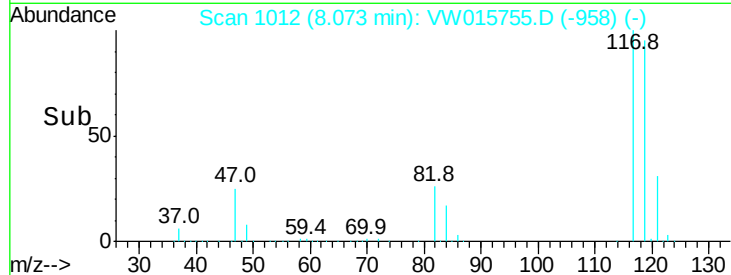
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 104.658 ug/L

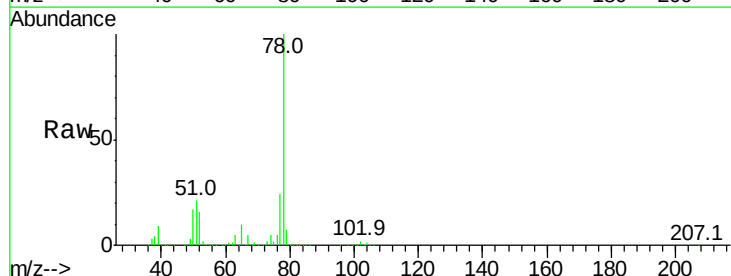
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Tgt Ion: 78 Resp: 1940971



Abundance Ion 78.00 (77.70 to 78.70): VW

1000000

800000

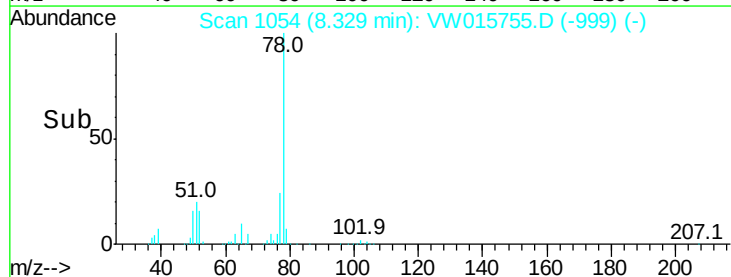
600000

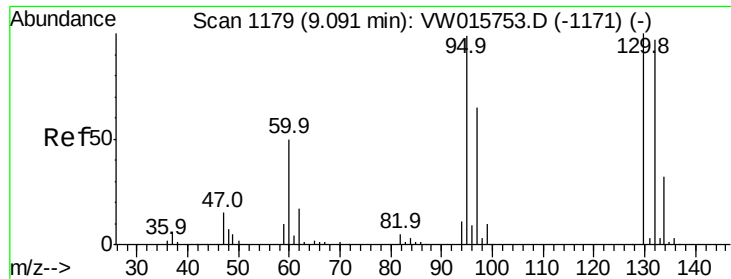
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 103.564 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 95 Resp: 515920

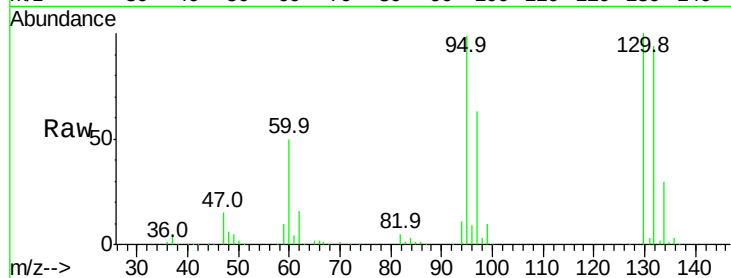
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.3

132 96.8 67.8 126.0

130 101.0 70.1 130.1



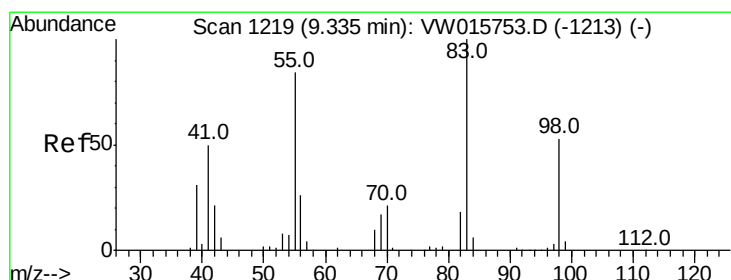
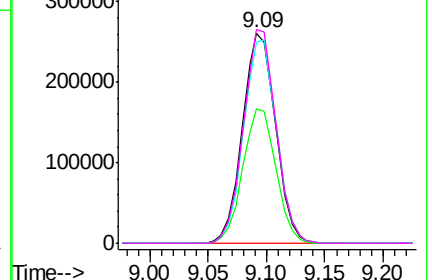
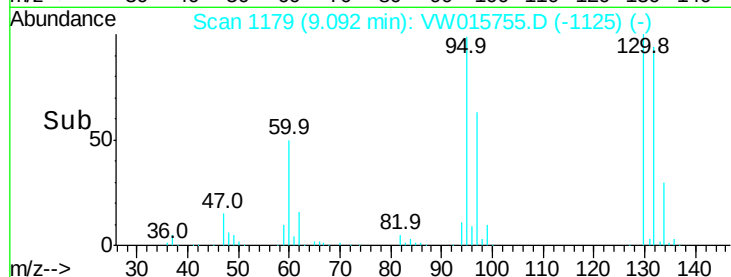
Abundance

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: 102.691 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

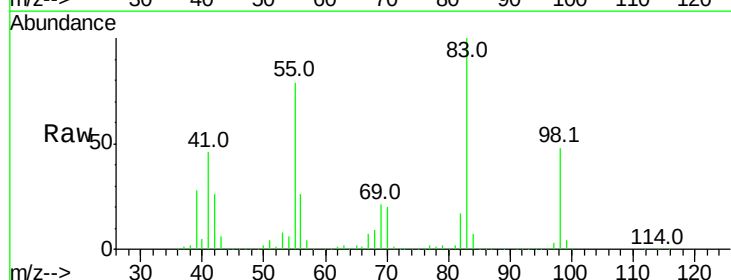
Tgt Ion: 83 Resp: 912389

Ion Ratio Lower Upper

83 100

55 77.1 62.7 94.1

98 48.8 39.4 59.2

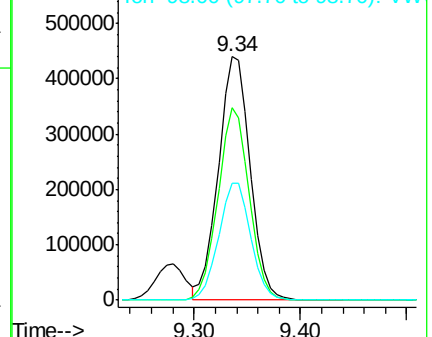
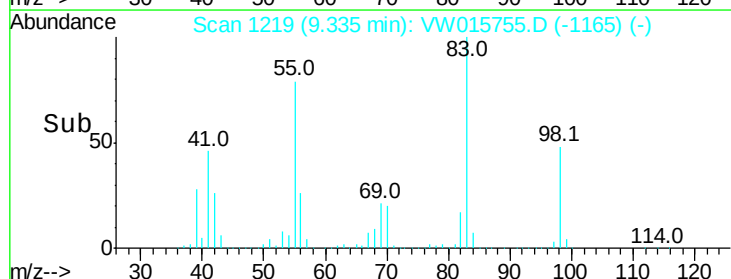


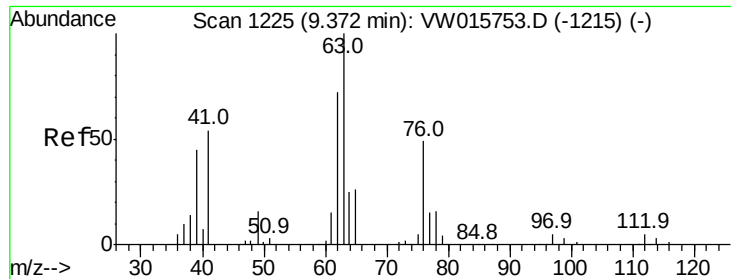
Abundance

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

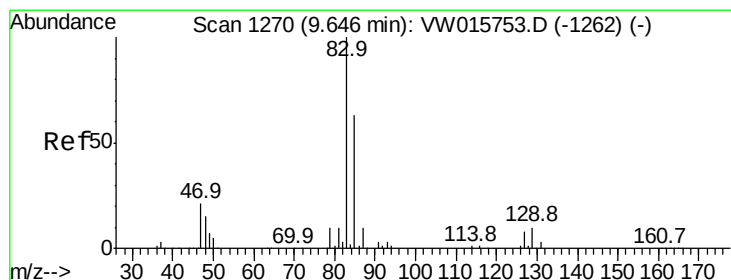
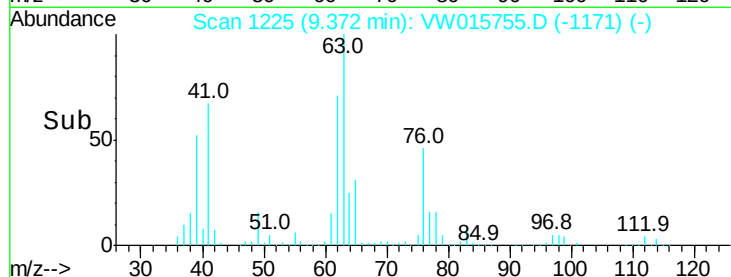
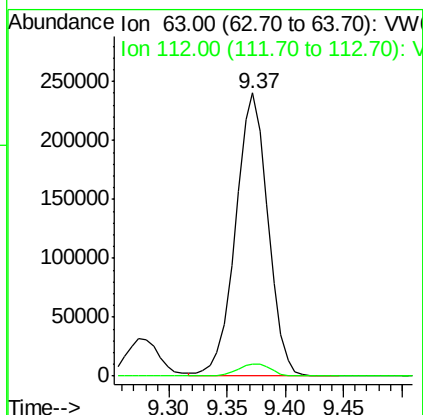
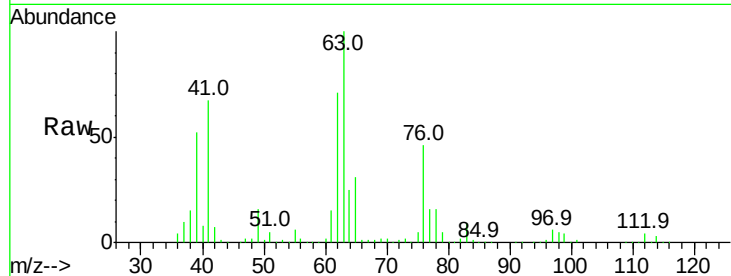




#40
 1,2-Dichloropropane
 Concen: 102.334 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

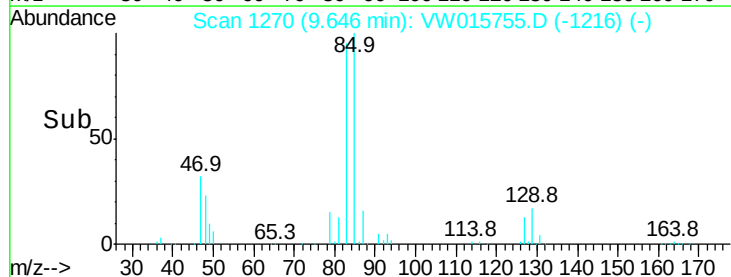
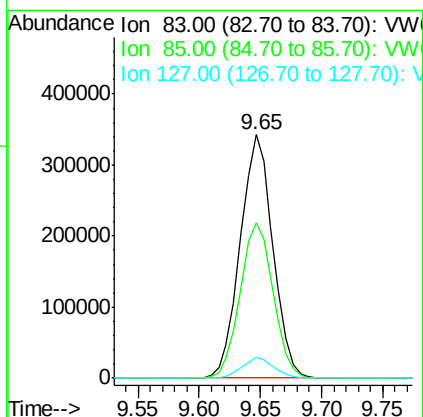
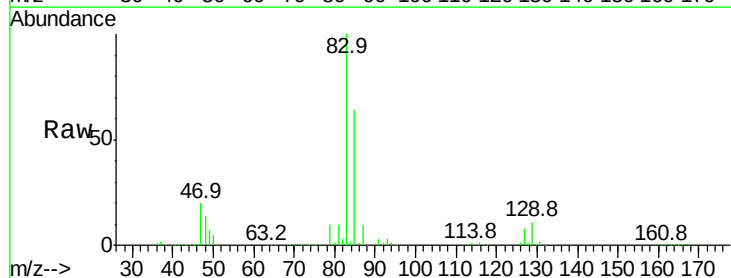
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

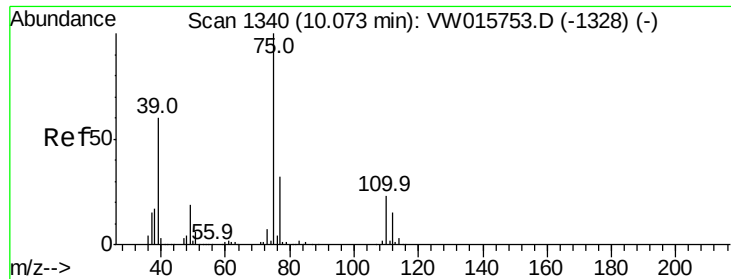
Tgt Ion: 63 Resp: 467368
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 103.610 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

Tgt Ion: 83 Resp: 632164
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.1 81.9
 127 8.4 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 108.010 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

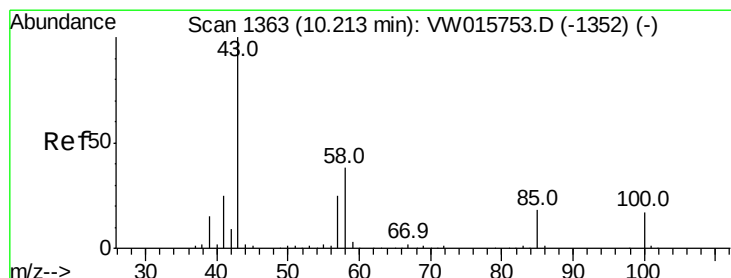
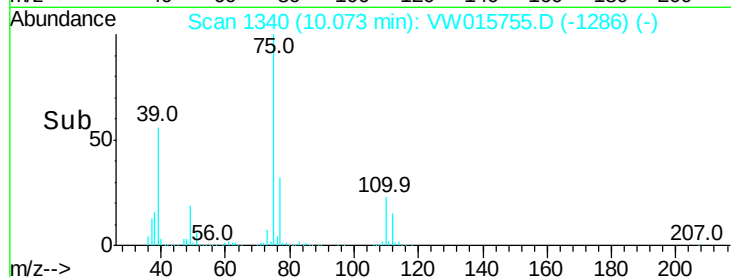
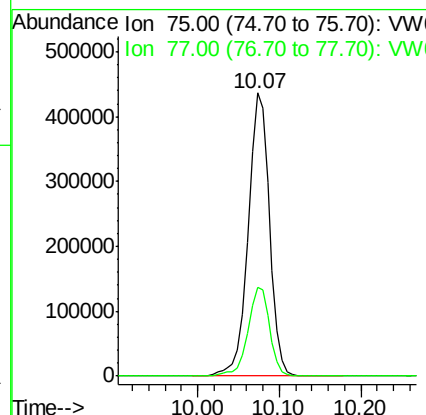
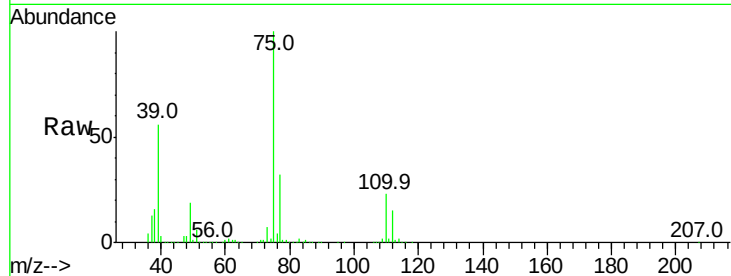
VSTD10002

Tgt Ion: 75 Resp: 789390

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 207.048 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

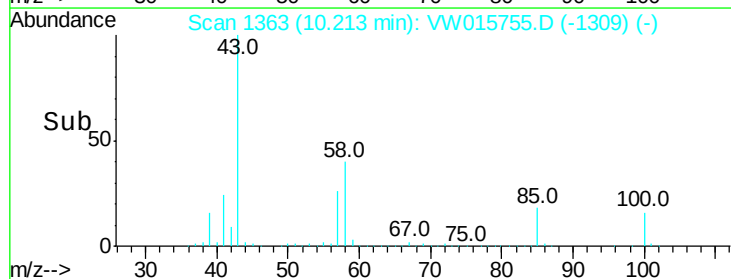
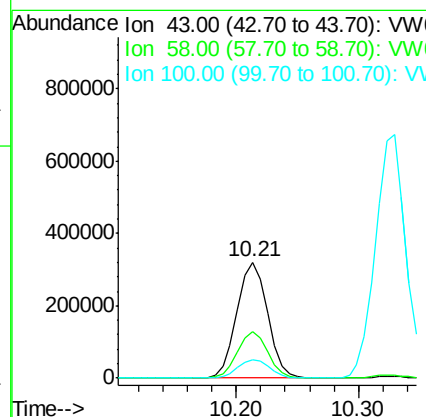
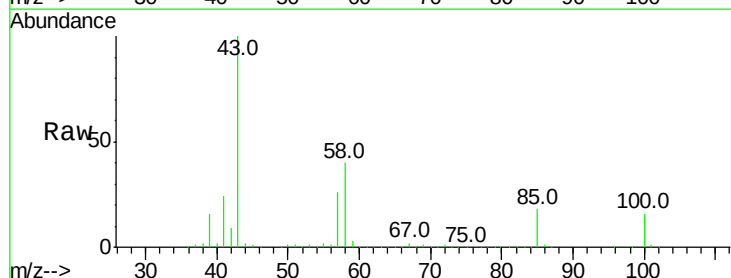
Tgt Ion: 43 Resp: 554301

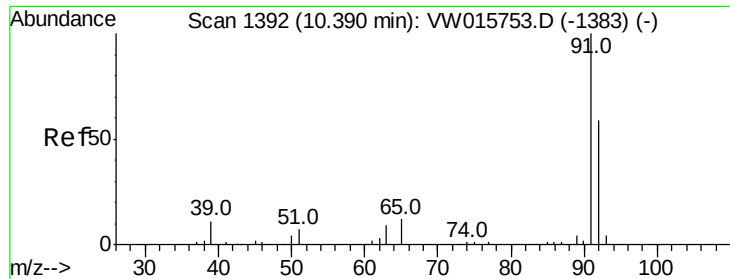
Ion Ratio Lower Upper

43 100

58 39.7 30.3 45.5

100 16.3 12.8 19.2





#44

Toluene

Concen: 107.316 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

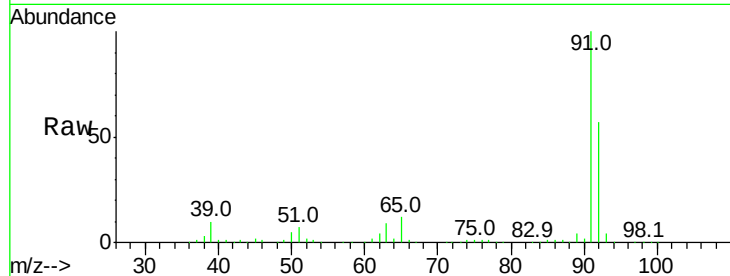
VSTD10002

Tgt Ion: 91 Resp: 2168364

Ion Ratio Lower Upper

91 100

92 56.6 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

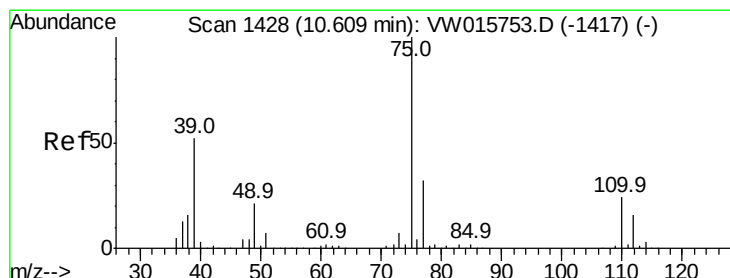
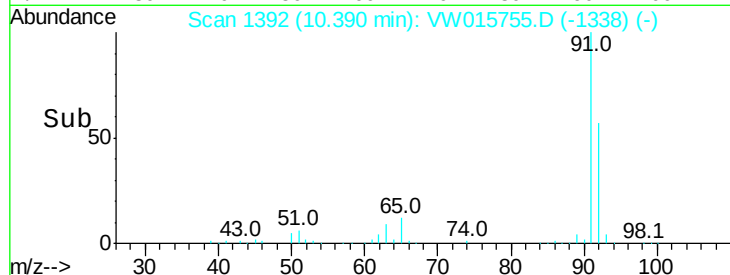
1500000

1000000

500000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 109.447 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015755.D

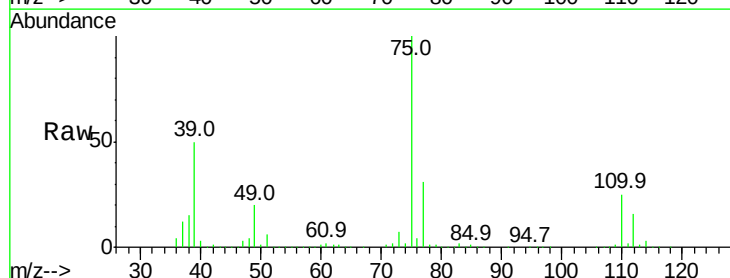
Acq: 29 Jun 2020 11:18

Tgt Ion: 75 Resp: 696100

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

400000

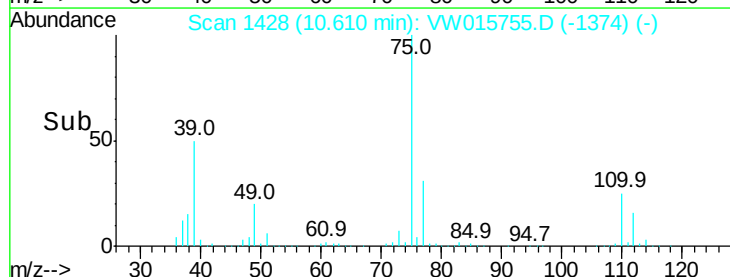
300000

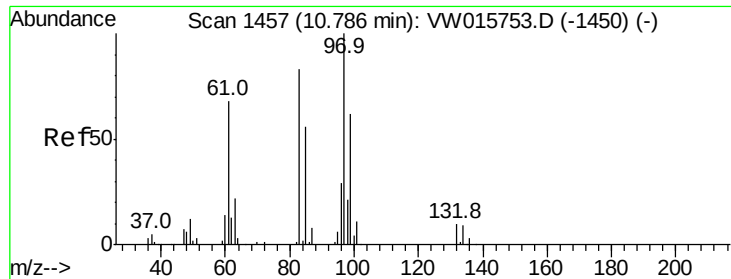
200000

100000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 108.082 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 97 Resp: 345340

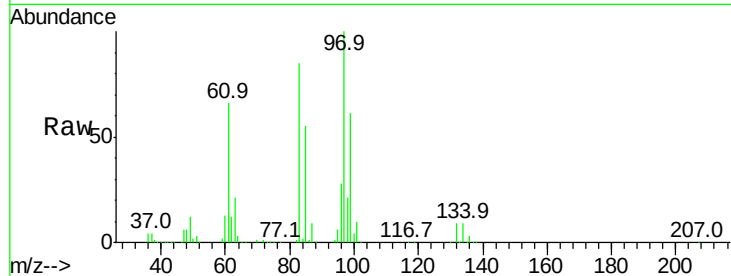
Ion Ratio Lower Upper

97 100

83 85.4 58.4 108.4

85 55.0 39.2 72.8

99 61.1 43.5 80.7



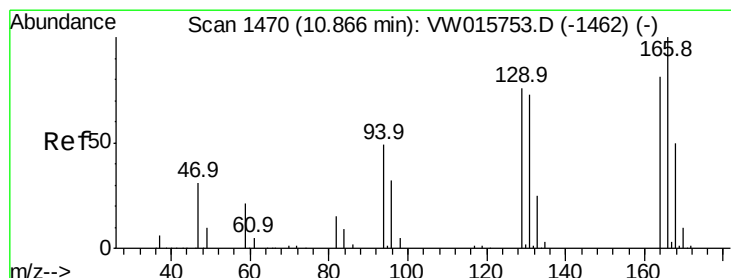
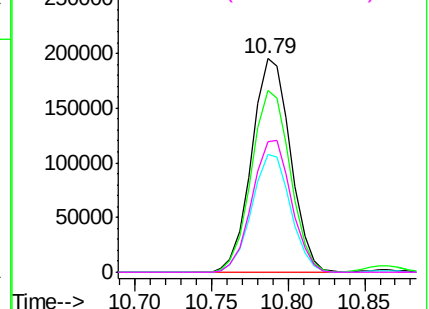
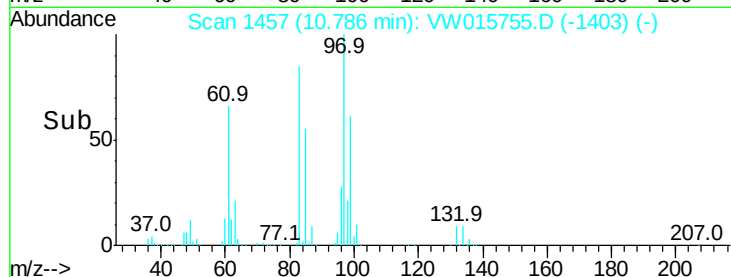
Abundance

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: 104.986 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Tgt Ion: 164 Resp: 414581

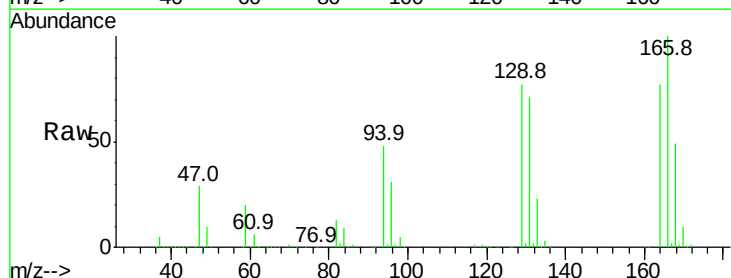
Ion Ratio Lower Upper

164 100

129 99.4 66.1 122.8

131 91.9 63.6 118.0

166 130.0 86.9 161.3



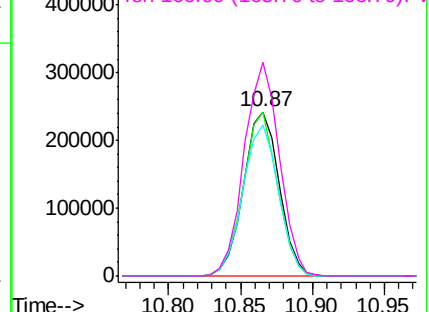
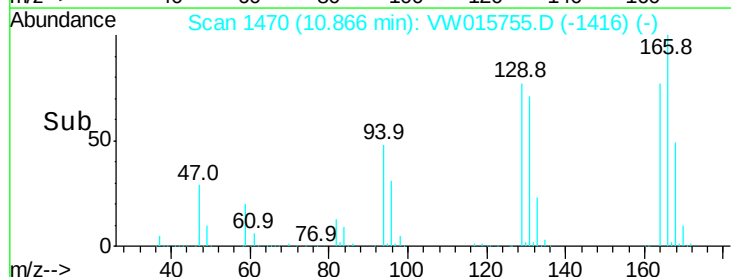
Abundance

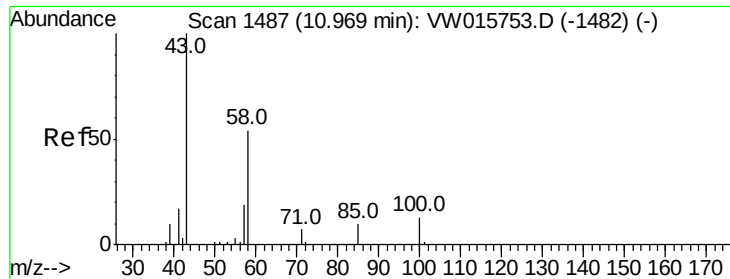
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 215.895 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 43 Resp: 390132

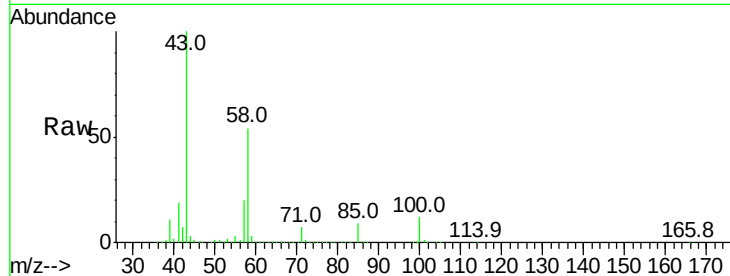
Ion Ratio Lower Upper

43 100

58 54.2 43.5 65.3

57 19.5 15.4 23.0

100 12.7 10.0 15.0

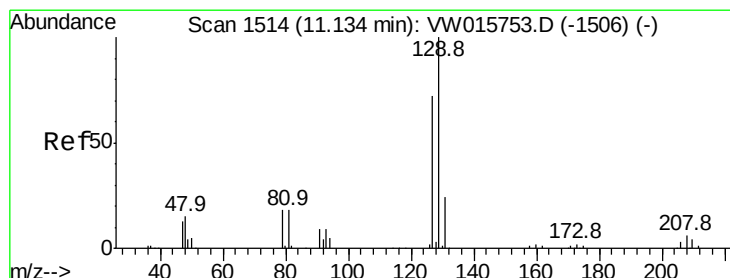
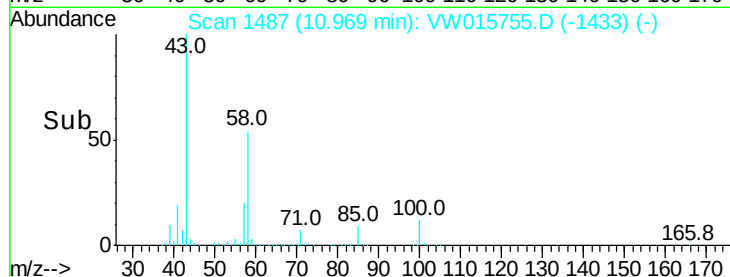
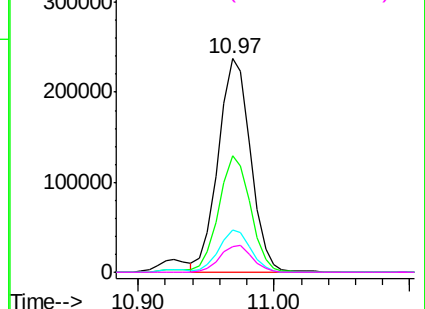


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 109.043 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015755.D

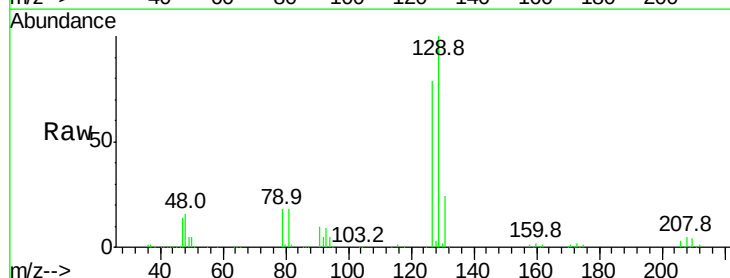
Acq: 29 Jun 2020 11:18

Tgt Ion: 129 Resp: 423300

Ion Ratio Lower Upper

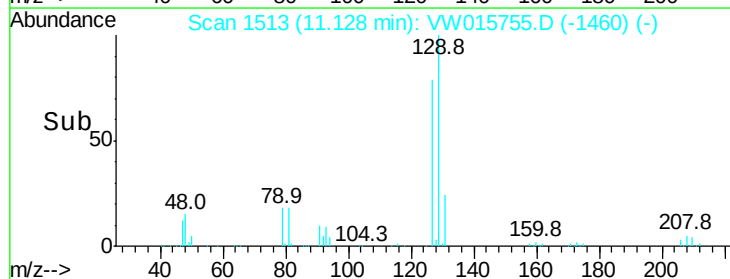
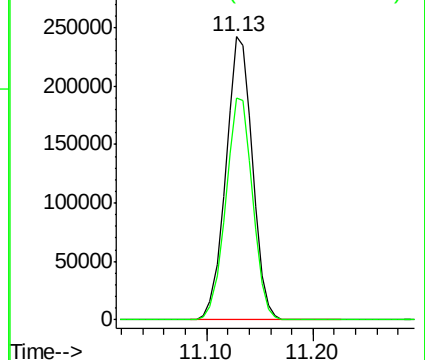
129 100

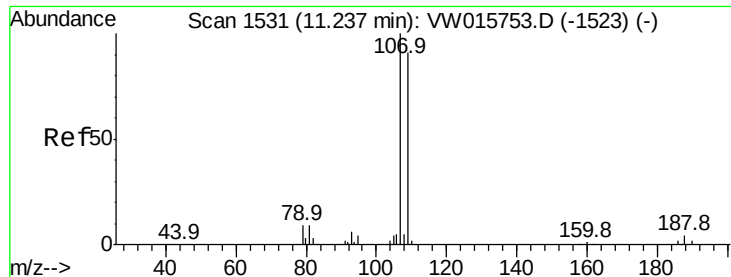
127 78.6 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

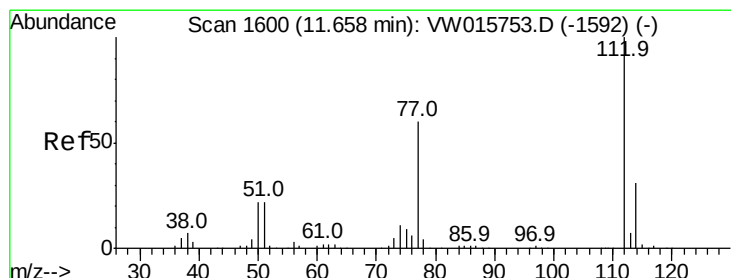
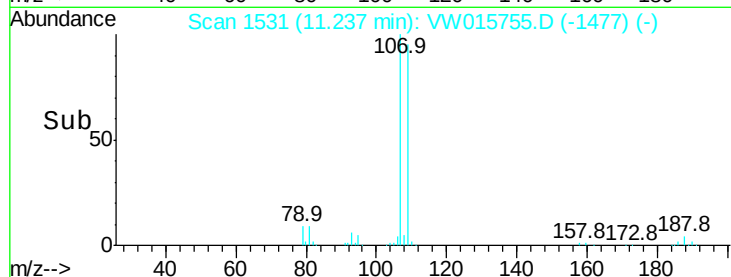
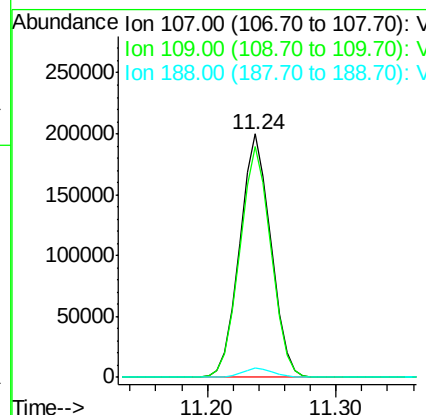
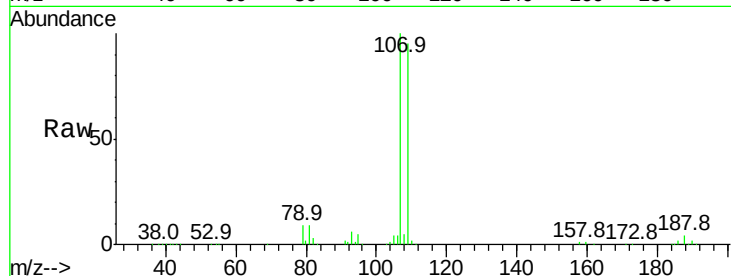




#51
 1,2-Dibromoethane
 Concen: 108.816 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

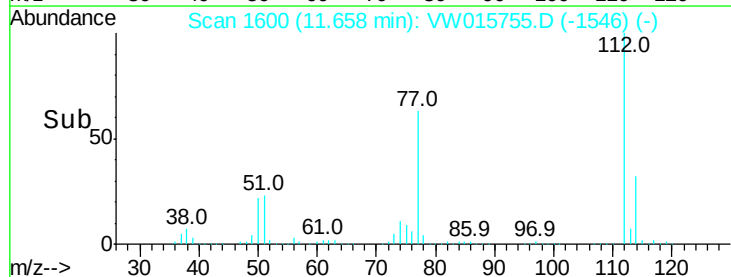
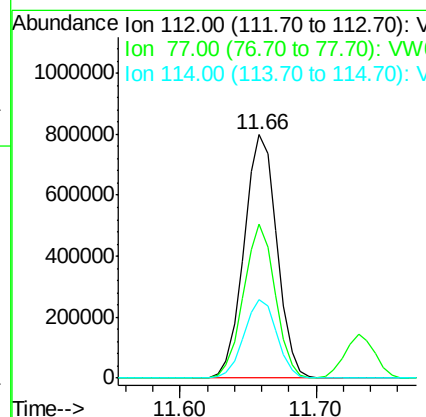
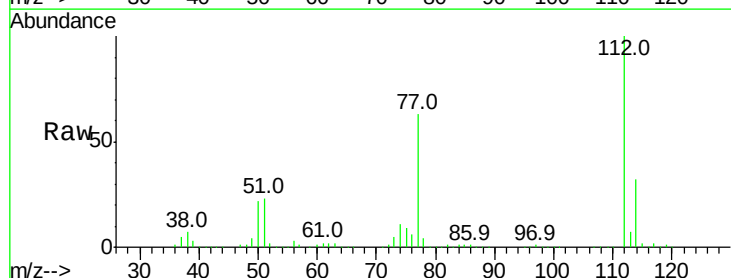
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

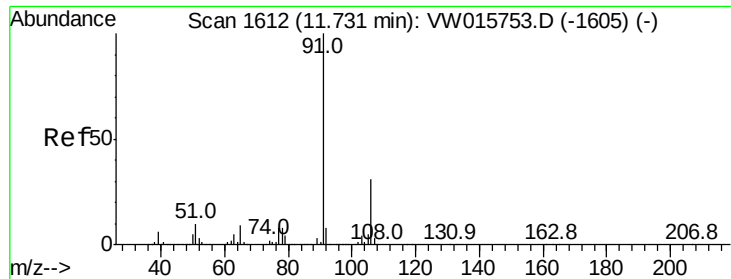
Tgt Ion:107 Resp: 333789
 Ion Ratio Lower Upper
 107 100
 109 95.0 64.0 118.8
 188 3.6 3.1 4.7



#52
 Chlorobenzene
 Concen: 106.359 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

Tgt Ion:112 Resp: 1347966
 Ion Ratio Lower Upper
 112 100
 77 63.1 48.4 72.6
 114 32.2 21.8 40.4





#53

Ethylbenzene

Concen: 107.157 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

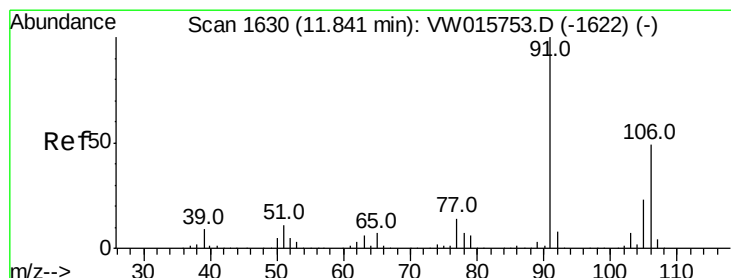
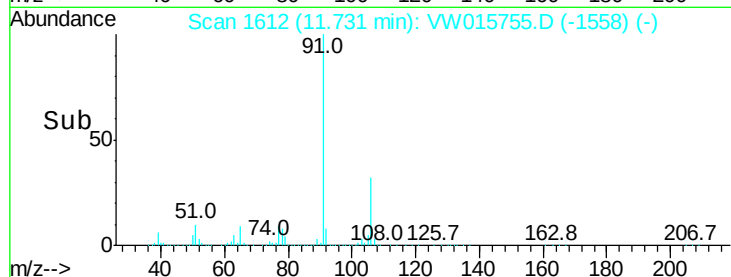
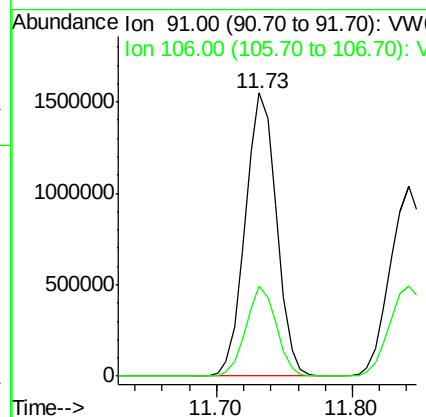
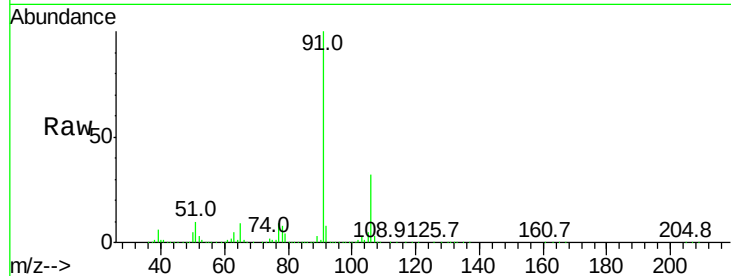
VSTD10002

Tgt Ion: 91 Resp: 2486161

Ion Ratio Lower Upper

91 100

106 31.6 21.4 39.8



#54

m,p-Xylene

Concen: 108.355 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015755.D

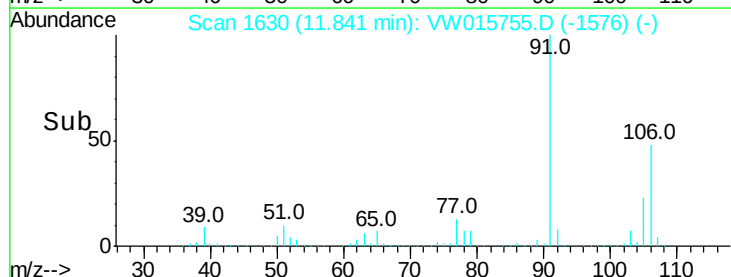
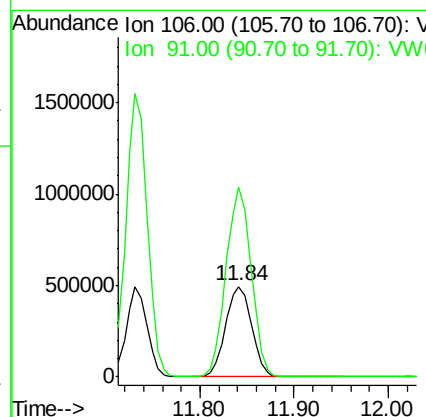
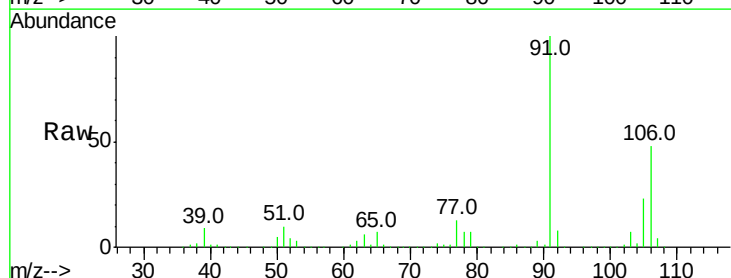
Acq: 29 Jun 2020 11:18

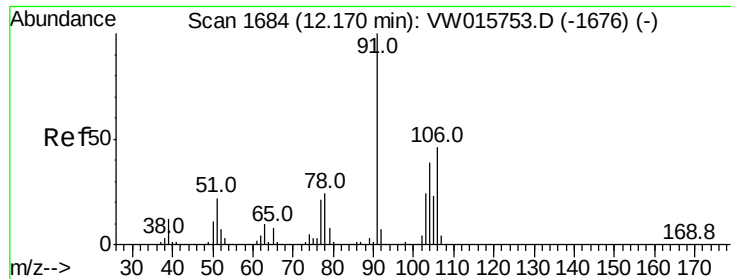
Tgt Ion: 106 Resp: 943334

Ion Ratio Lower Upper

106 100

91 210.2 141.5 262.9

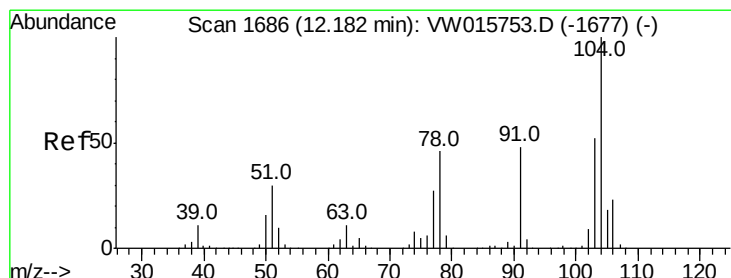
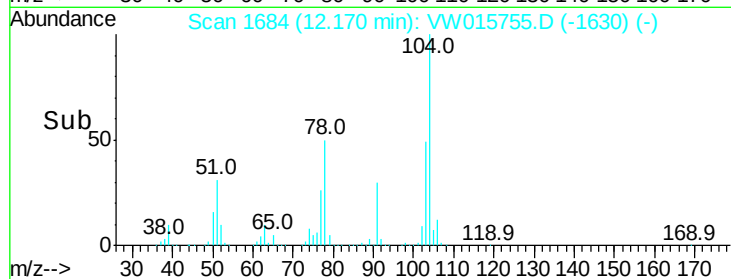
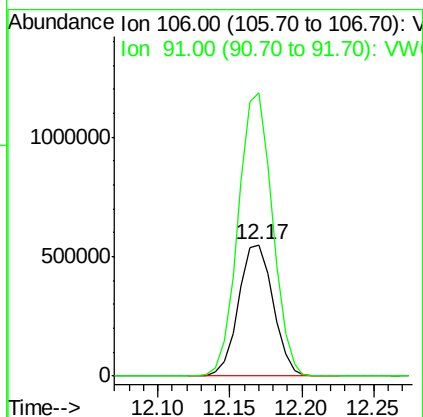
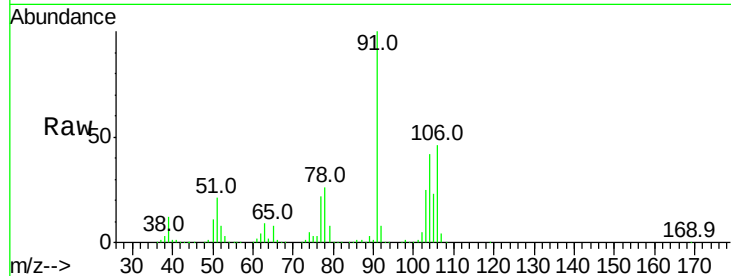




#55
o-xylene
Concen: 111.087 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

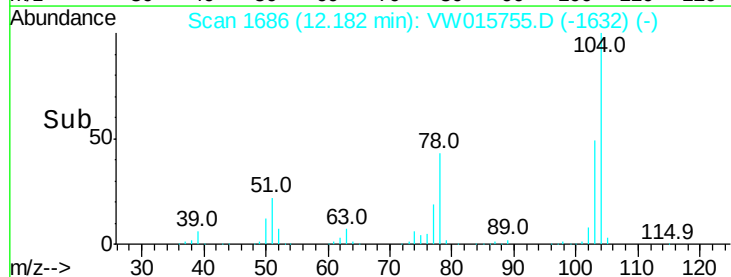
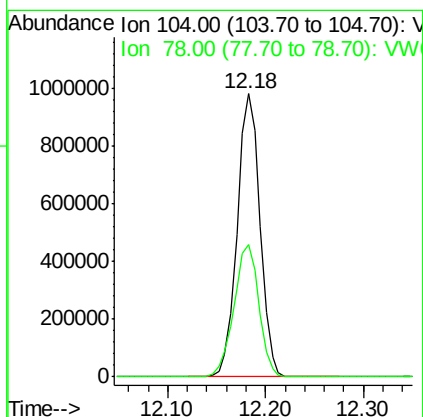
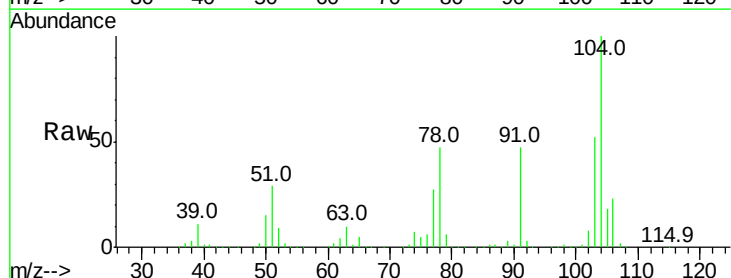
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

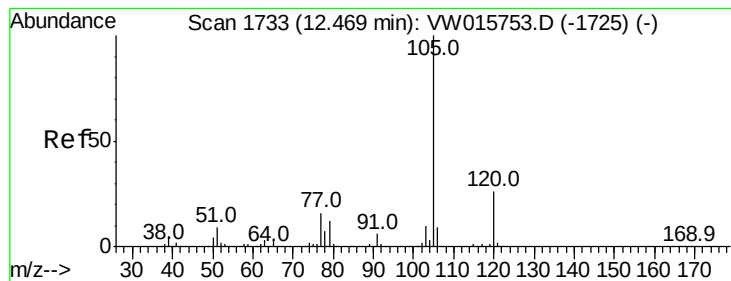
Tgt Ion:106 Resp: 917999
Ion Ratio Lower Upper
106 100
91 215.2 151.3 280.9



#56
Styrene
Concen: 112.287 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015755.D
Acq: 29 Jun 2020 11:18

Tgt Ion:104 Resp: 1585537
Ion Ratio Lower Upper
104 100
78 46.8 32.4 60.2





#57

Isopropylbenzene

Concen: 108.912 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

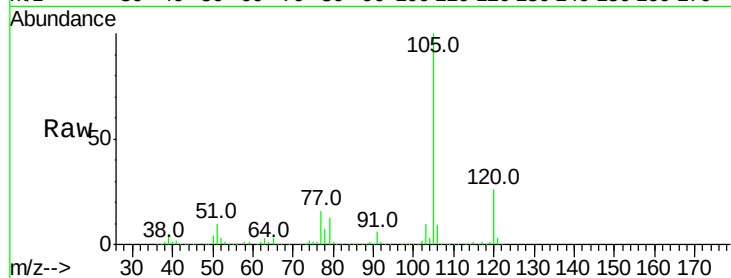
Tgt Ion:105 Resp: 2507164

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

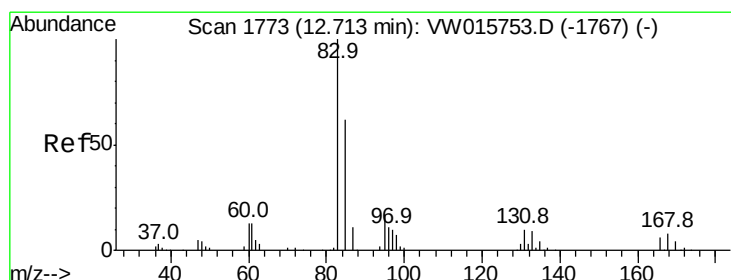
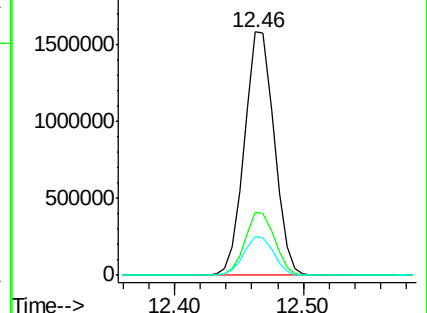
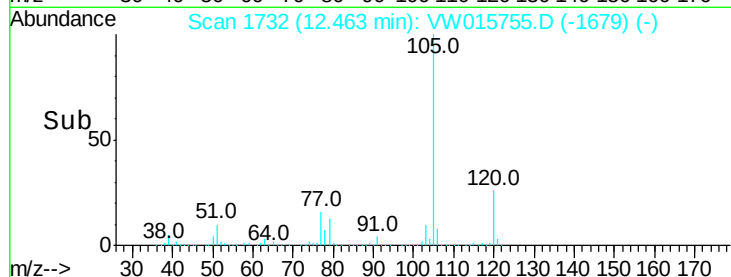
77 16.0 12.9 19.3



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: 108.383 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

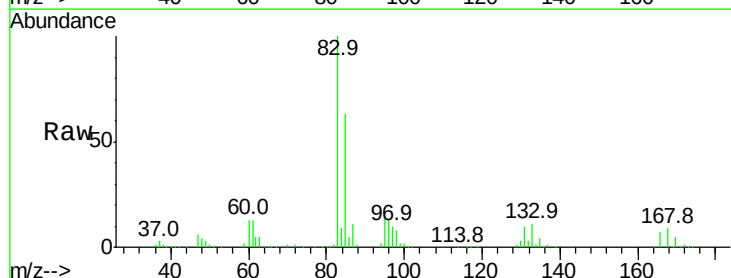
Tgt Ion: 83 Resp: 400923

Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.9

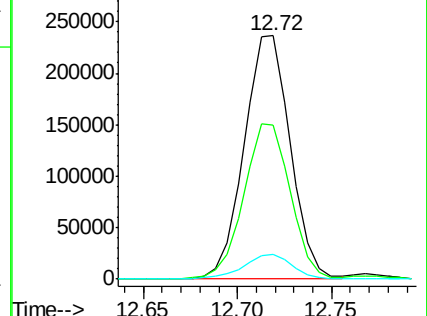
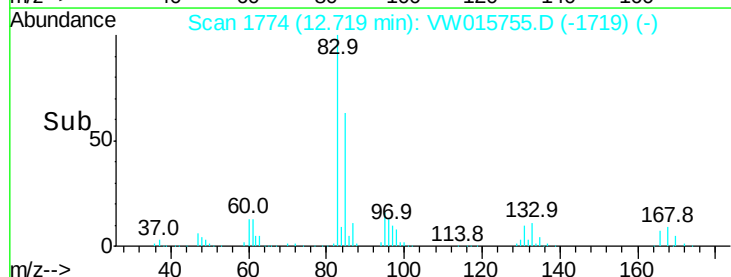
131 10.3 8.2 12.4

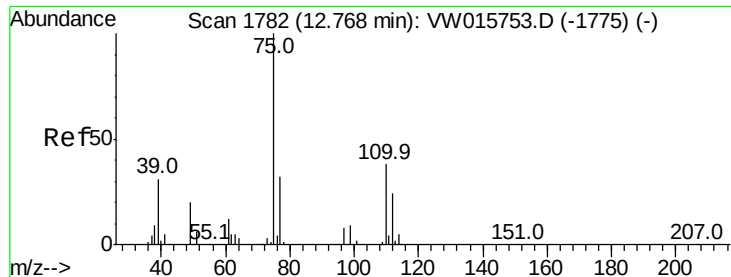


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 105.914 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

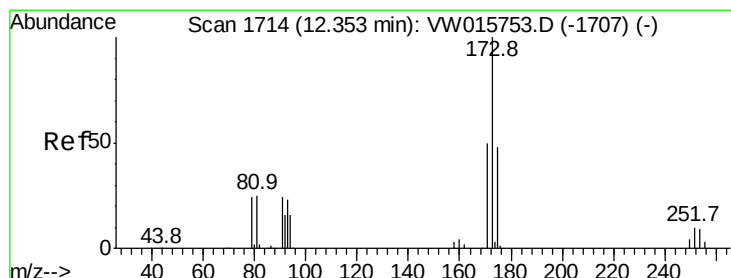
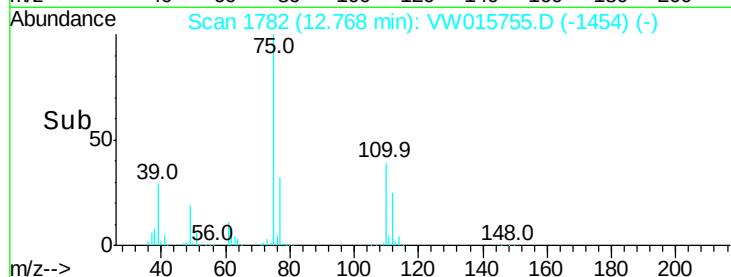
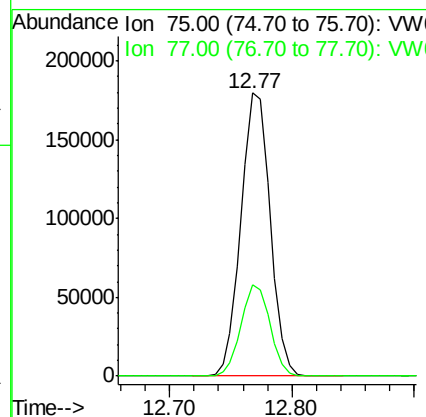
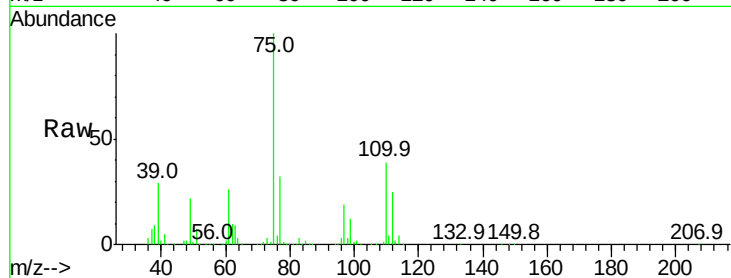
VSTD10002

Tgt Ion: 75 Resp: 297070

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1



#62

Bromoform

Concen: 110.292 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

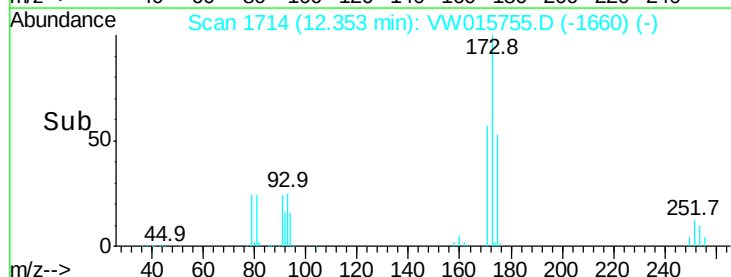
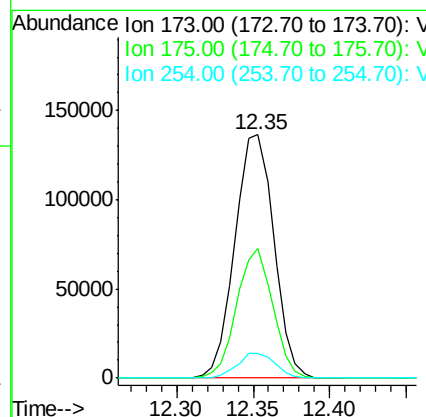
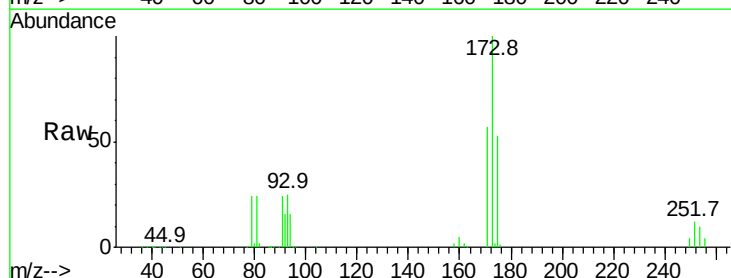
Tgt Ion: 173 Resp: 241367

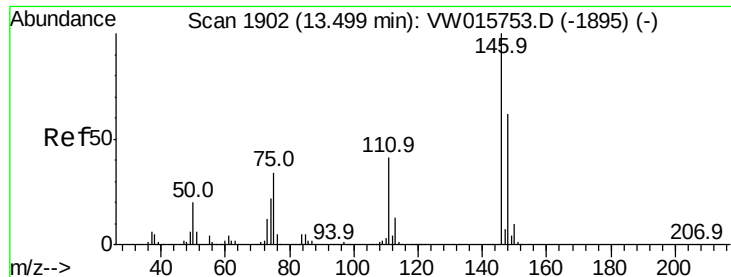
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

254 10.1 8.2 12.2

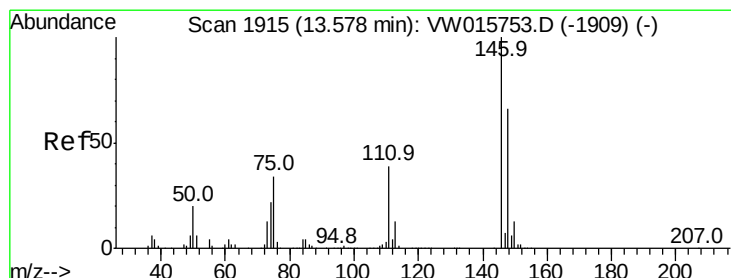
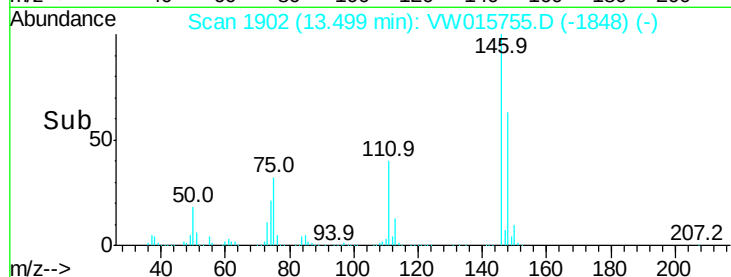
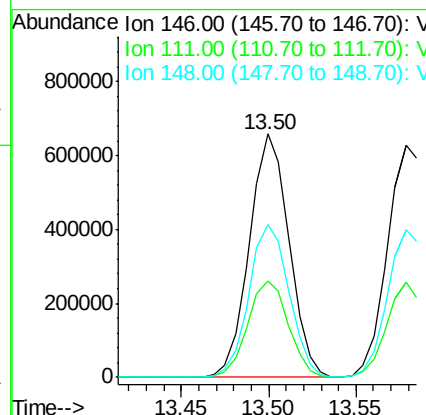
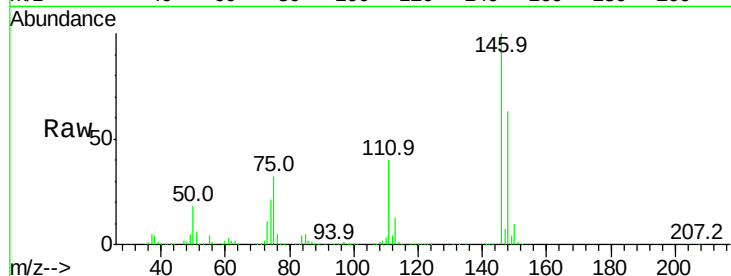




#63
 1,3-Dichlorobenzene
 Concen: 107.913 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

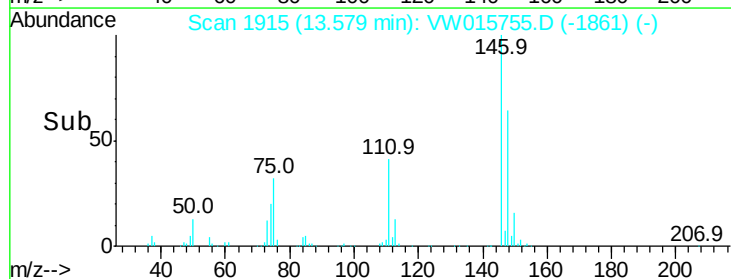
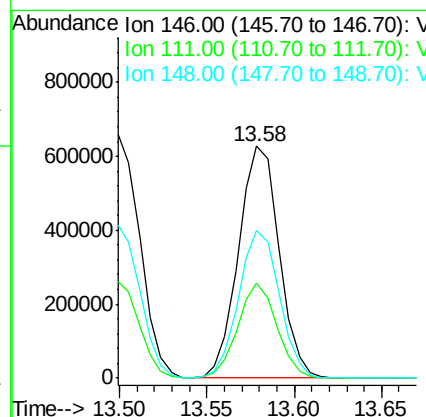
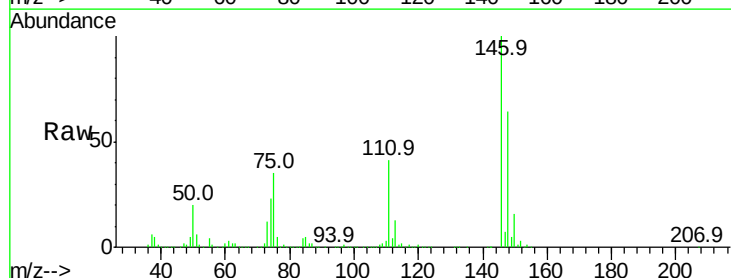
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

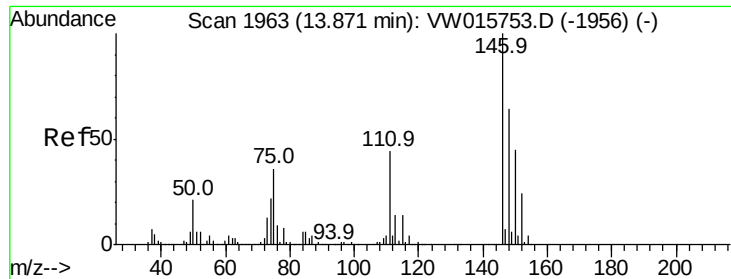
Tgt Ion:146 Resp: 1037168
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.8 53.6
 148 62.8 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 107.668 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

Tgt Ion:146 Resp: 1013950
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.8 51.6
 148 63.6 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 108.664 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

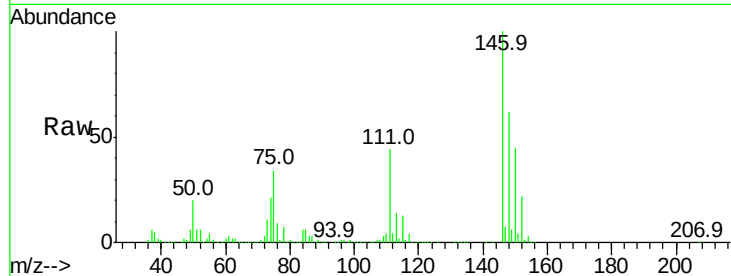
Tgt Ion:146 Resp: 907574

Ion Ratio Lower Upper

146 100

111 43.6 35.5 53.3

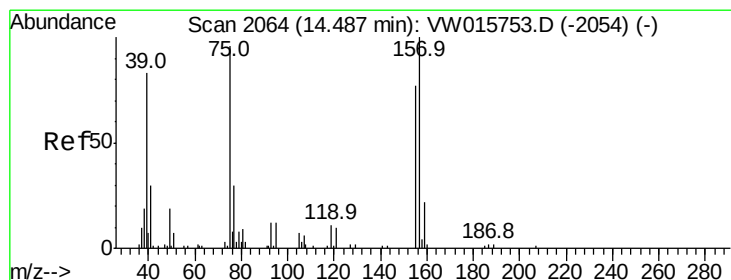
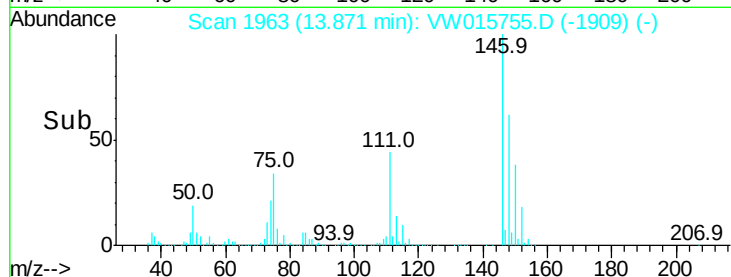
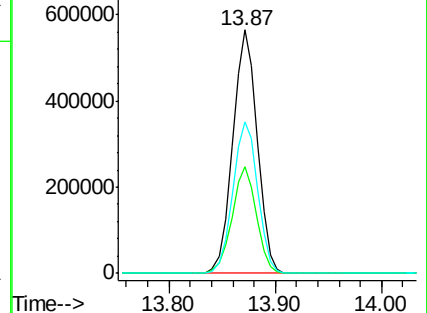
148 62.3 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 103.286 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

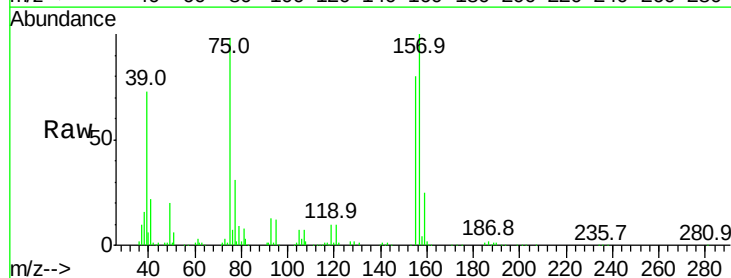
Tgt Ion: 75 Resp: 65441

Ion Ratio Lower Upper

75 100

157 102.3 83.2 124.8

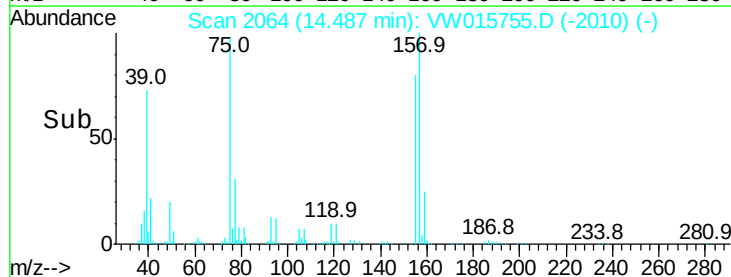
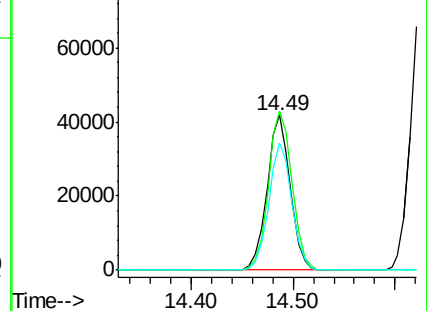
155 81.7 64.2 96.4

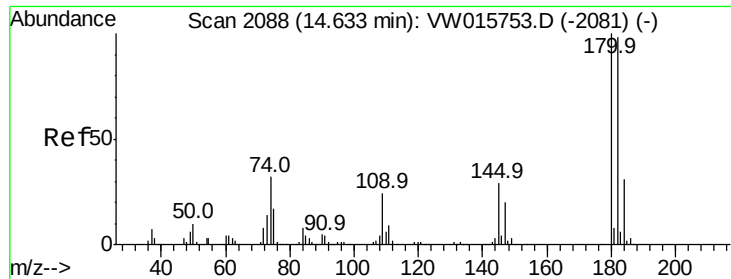


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

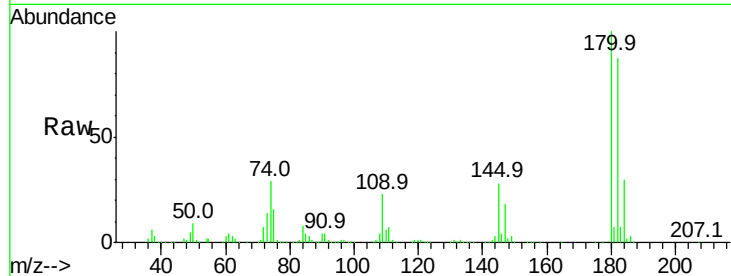




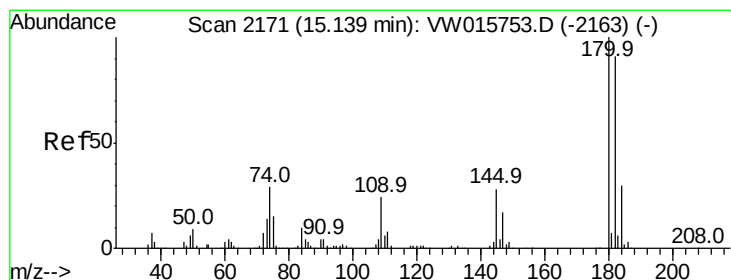
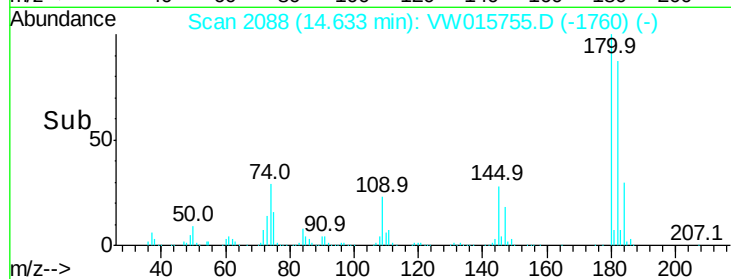
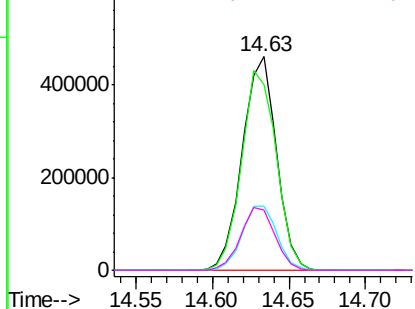
#67
 1,3,5-Trichlorobenzene
 Concen: 107.502 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tgt Ion:180 Resp: 715323
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 184 31.1 24.2 36.2
 145 29.5 23.8 35.6

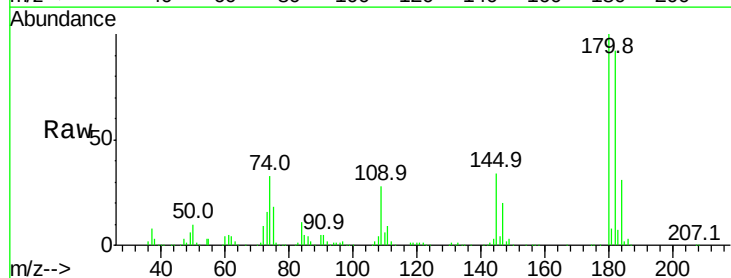


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

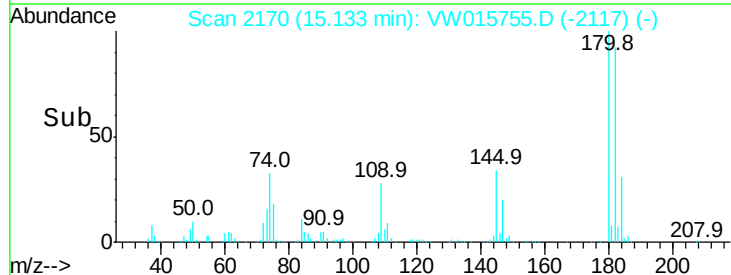
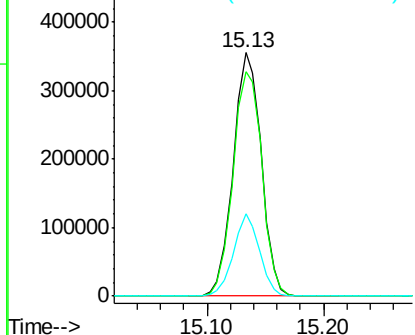


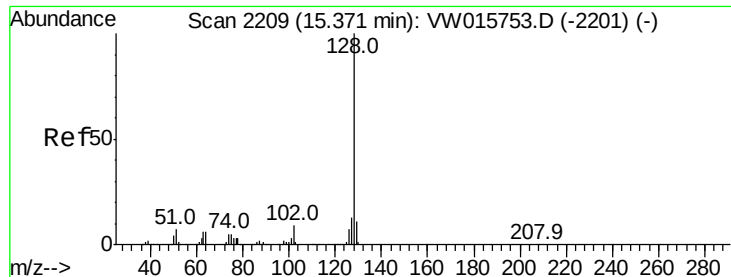
#68
 1,2,4-trichlorobenzene
 Concen: 111.189 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015755.D
 Acq: 29 Jun 2020 11:18

Tgt Ion:180 Resp: 595893
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 145 31.3 24.6 37.0



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





#69

Naphthalene

Concen: 115.421 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

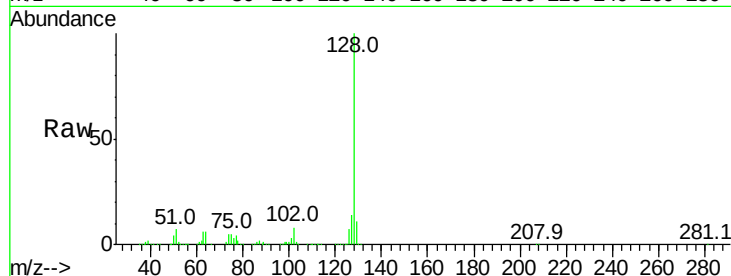
Tgt Ion:128 Resp: 1123173

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

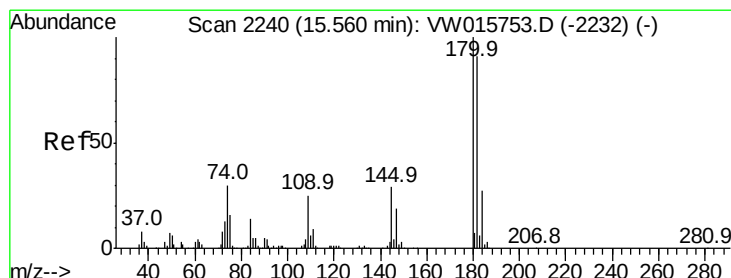
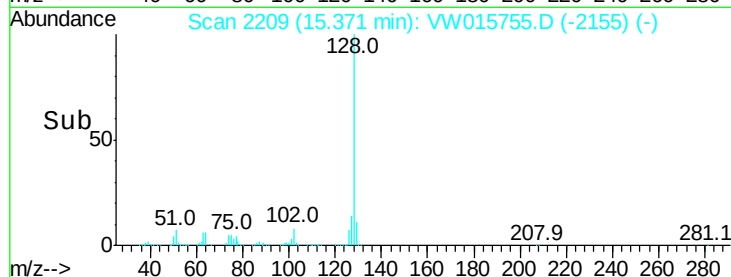
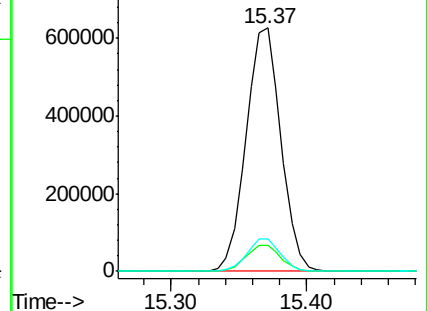
127 13.0 10.6 16.0



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: 111.424 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015755.D

Acq: 29 Jun 2020 11:18

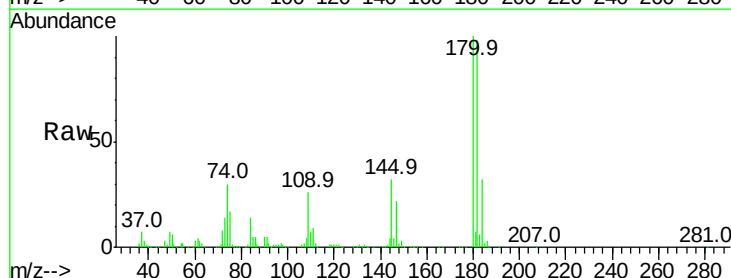
Tgt Ion:180 Resp: 508022

Ion Ratio Lower Upper

180 100

182 93.9 75.5 113.3

145 33.3 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

