

Data File : VW015754.D
Acq On : 29 Jun 2020 10:54
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

Quant Time: Jun 29 11:53:46 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	358453	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335117	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	170766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	247378	75.31	ug/L	0.00
7) Chloroethane-d5	2.89	69	200568	61.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	455524	56.91	ug/L	0.00
20) 2-Butanone-d5	7.09	46	117195	109.28	ug/L	0.00
24) Chloroform-d	7.65	84	434761	52.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	250439	54.31	ug/L	0.00
29) Benzene-d6	8.28	84	862662	52.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	253717	50.80	ug/L	0.00
37) Toluene-d8	10.32	98	819775	51.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	122297	52.93	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	96730	111.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	216446	57.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	291680	50.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	170336	53.790	ug/L	96
3) Chloromethane	2.21	50	168483	48.331	ug/L	98
5) Vinyl chloride	2.37	62	261602	49.901	ug/L	99
6) Bromomethane	2.78	94	170175	49.943	ug/L	99
8) Chloroethane	2.93	64	164554	51.565	ug/L	96
9) Trichlorofluoromethane	3.26	101	208315	55.837	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	210637	47.604	ug/L	99
12) 1,1-Dichloroethene	4.04	96	202805	47.449	ug/L	94
13) Acetone	4.14	43	96803	116.758	ug/L	98
14) Carbon disulfide	4.39	76	641859	45.014	ug/L	98
15) Methyl Acetate	4.68	43	95549	53.268	ug/L	100
16) Methylene chloride	4.92	84	207136	47.083	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	320647	47.274	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	220615	48.163	ug/L	98
19) 1,1-Dichloroethane	6.22	63	391402	47.507	ug/L	100
21) 2-Butanone	7.18	43	129575	101.737	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	229548	48.039	ug/L	97
23) Bromochloromethane	7.52	128	103251	50.109	ug/L	95
25) Chloroform	7.68	83	397831	47.955	ug/L	100
27) 1,2-Dichloroethane	8.40	62	282360	50.312	ug/L	99
30) Cyclohexane	7.96	56	374884	45.255	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	347595	46.364	ug/L	99
32) Carbon tetrachloride	8.07	117	319847	46.515	ug/L	100
34) Benzene	8.33	78	889601	47.469	ug/L	100
35) Trichloroethene	9.09	95	236350	46.951	ug/L	99
36) Methylcyclohexane	9.34	83	423565	47.177	ug/L	99
40) 1,2-Dichloropropane	9.37	63	217433	47.113	ug/L	99
41) Bromodichloromethane	9.65	83	293083	47.536	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	362349	49.063	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	281257	103.965	ug/L	99

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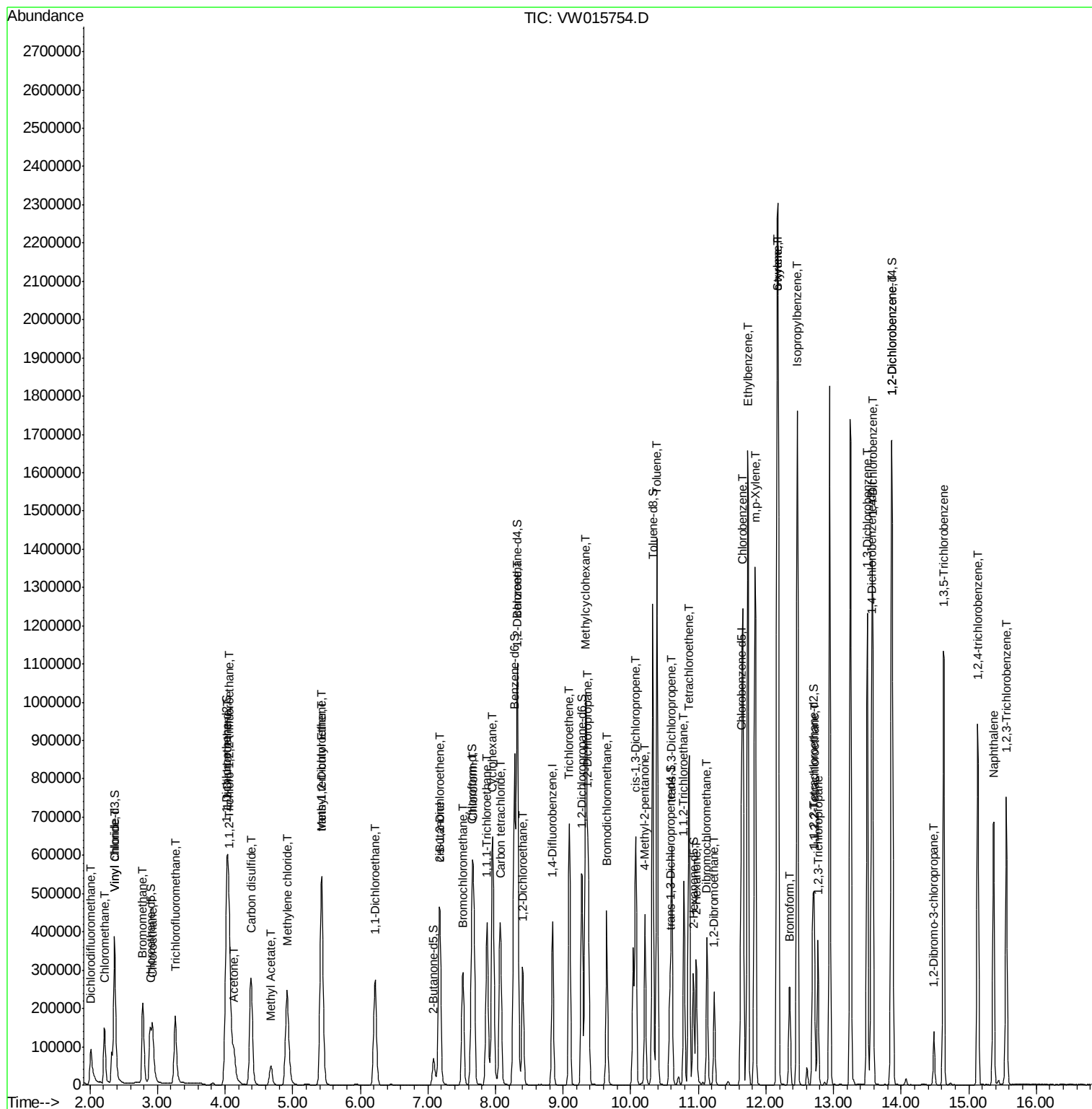
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1001210	49.036	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	323916	50.399	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	164941	51.085	ug/L	99
47) Tetrachloroethene	10.87	164	192666	48.282	ug/L	98
49) 2-Hexanone	10.97	43	201495	110.345	ug/L	99
50) Dibromochloromethane	11.13	129	198329	50.558	ug/L	96
51) 1,2-Dibromoethane	11.24	107	163739	52.824	ug/L	99
52) Chlorobenzene	11.66	112	627594	49.004	ug/L	99
53) Ethylbenzene	11.73	91	1147417	48.941	ug/L	99
54) m,p-Xylene	11.84	106	431336	49.029	ug/L	94
55) o-xylene	12.17	106	416600	49.888	ug/L	96
56) Styrene	12.18	104	721450	50.561	ug/L	100
57) Isopropylbenzene	12.46	105	1149372	49.410	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	204428	54.689	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	153931	54.310	ug/L	99
62) Bromoform	12.35	173	117216	49.265	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	490889	46.977	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	489091	47.768	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	442627	48.744	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34811	50.534	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	348219	48.133	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	287930	49.415	ug/L	99
69) Naphthalene	15.37	128	593882	56.133	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	257386	51.923	ug/L	98

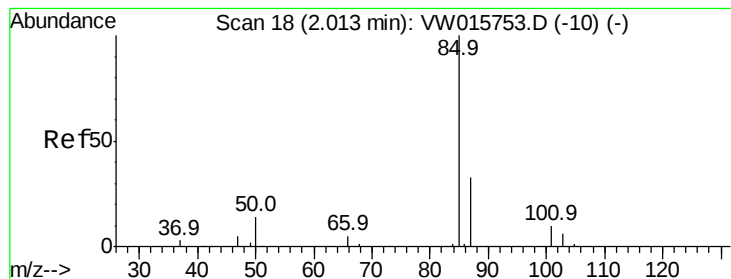
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 53.790 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

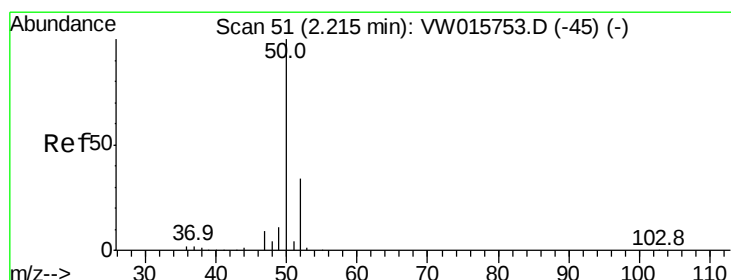
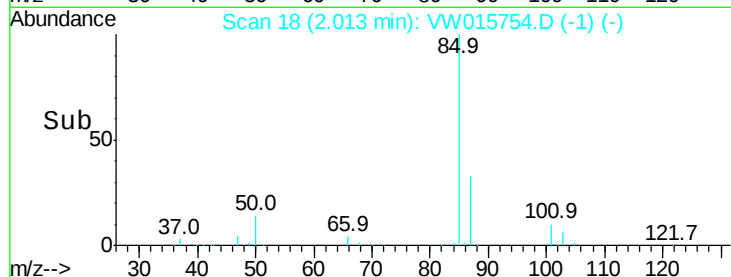
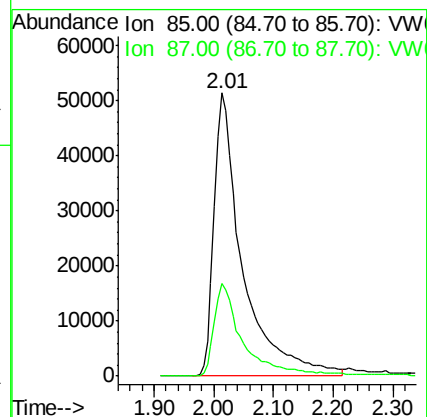
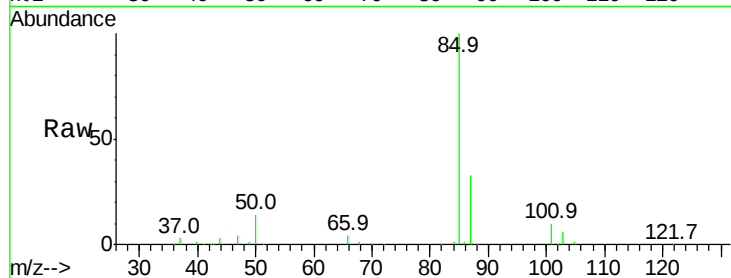
VSTD05001

Tgt Ion: 85 Resp: 170336

Ion Ratio Lower Upper

85 100

87 32.1 21.1 39.1



#3

Chloromethane

Concen: 48.331 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015754.D

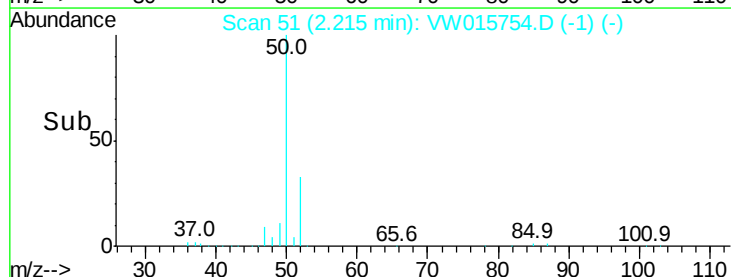
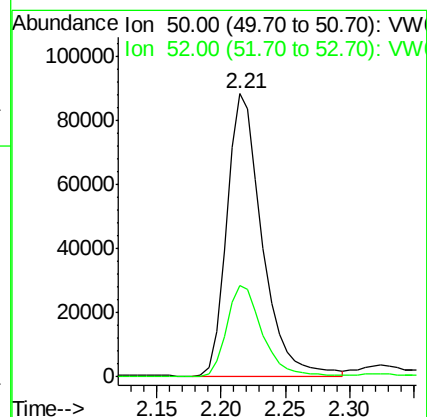
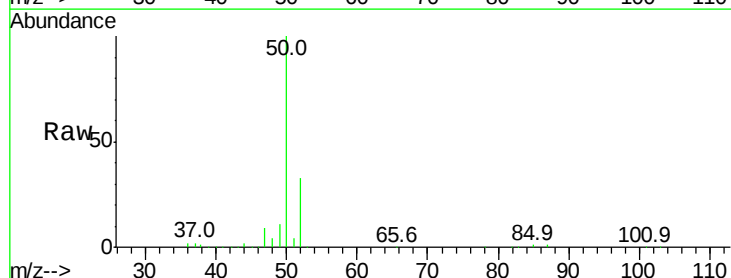
Acq: 29 Jun 2020 10:54

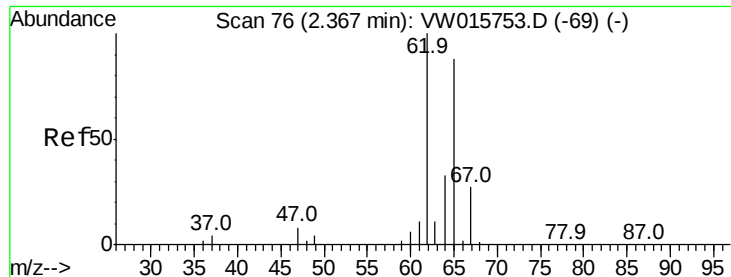
Tgt Ion: 50 Resp: 168483

Ion Ratio Lower Upper

50 100

52 32.5 23.7 44.1





#5

Vinyl chloride

Concen: 49.901 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

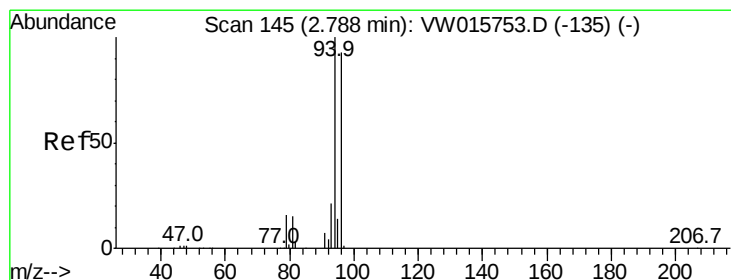
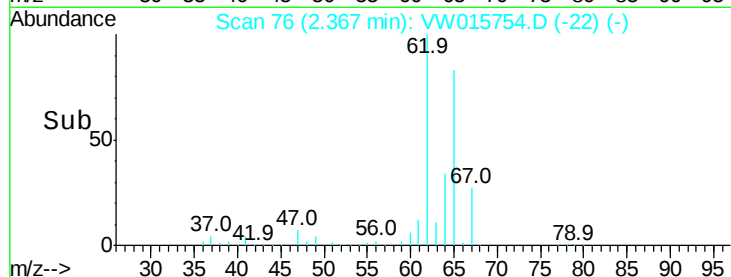
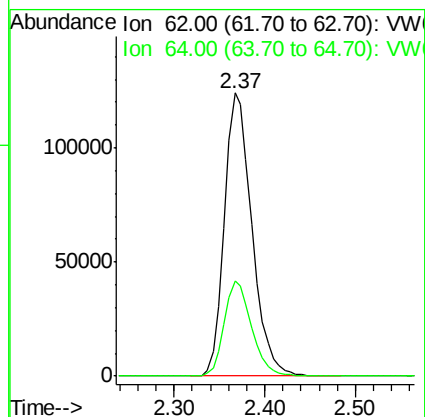
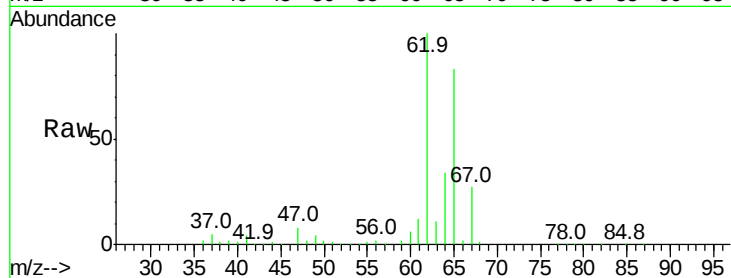
VSTD05001

Tgt Ion: 62 Resp: 261602

Ion Ratio Lower Upper

62 100

64 33.6 23.2 43.0



#6

Bromomethane

Concen: 49.943 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015754.D

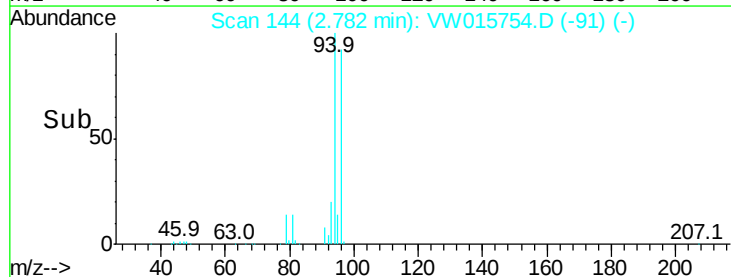
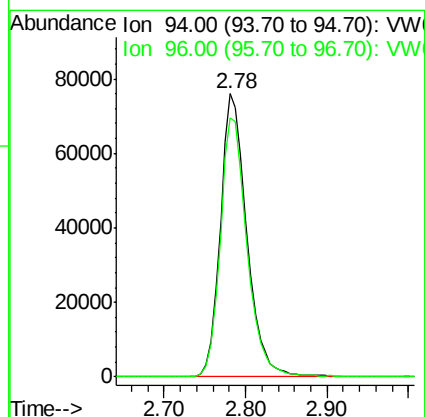
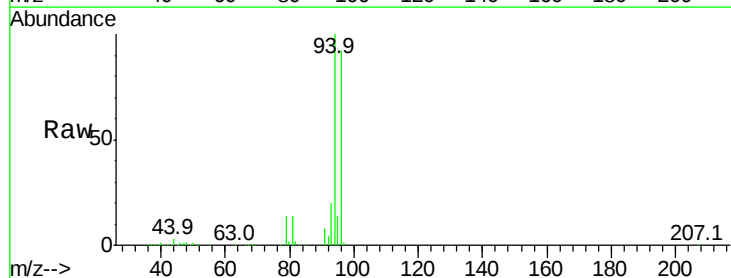
Acq: 29 Jun 2020 10:54

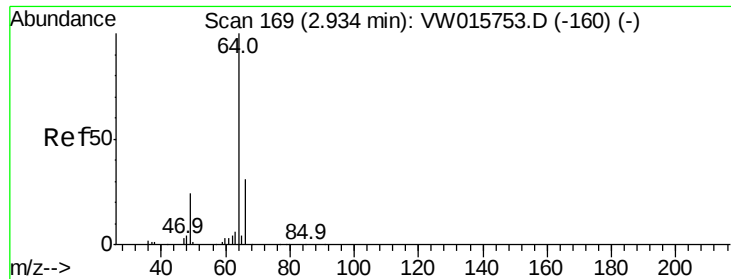
Tgt Ion: 94 Resp: 170175

Ion Ratio Lower Upper

94 100

96 93.1 9.4 179.2





#8

Chloroethane

Concen: 51.565 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

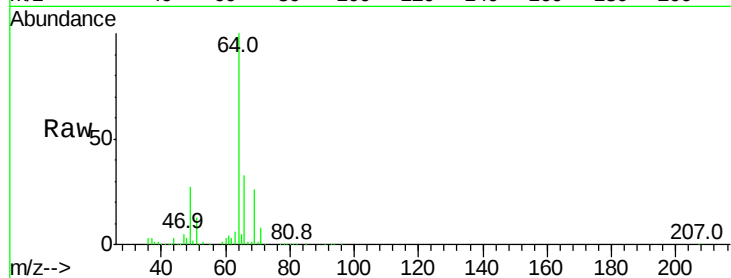
VSTD05001

Tgt Ion: 64 Resp: 164554

Ion Ratio Lower Upper

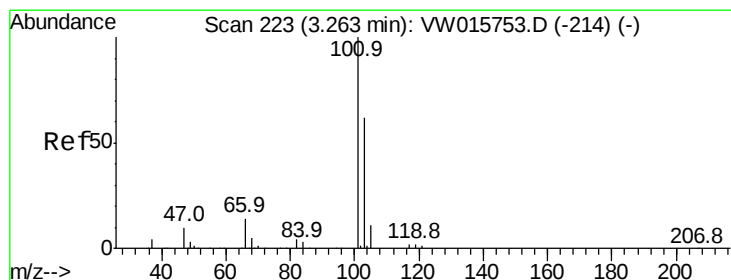
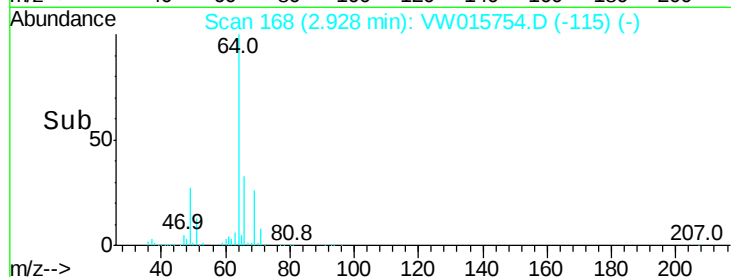
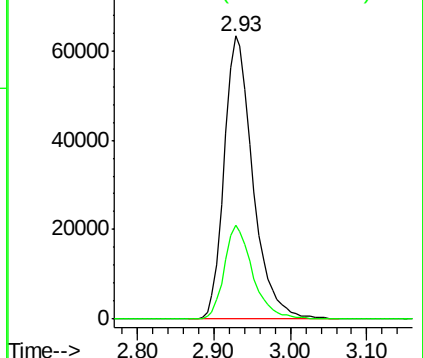
64 100

66 33.2 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 55.837 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015754.D

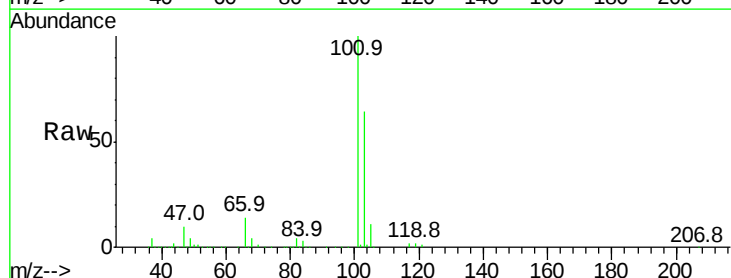
Acq: 29 Jun 2020 10:54

Tgt Ion: 101 Resp: 208315

Ion Ratio Lower Upper

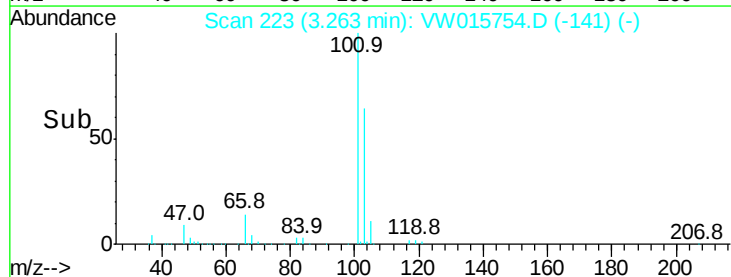
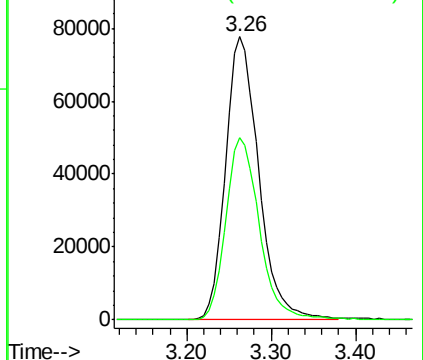
101 100

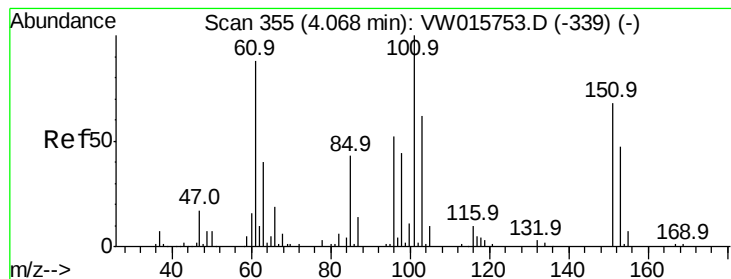
103 64.3 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 47.604 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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ClientSampleId :

VSTD05001

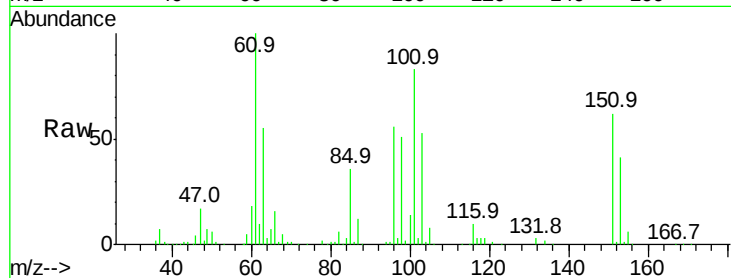
Tgt Ion: 101 Resp: 210637

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

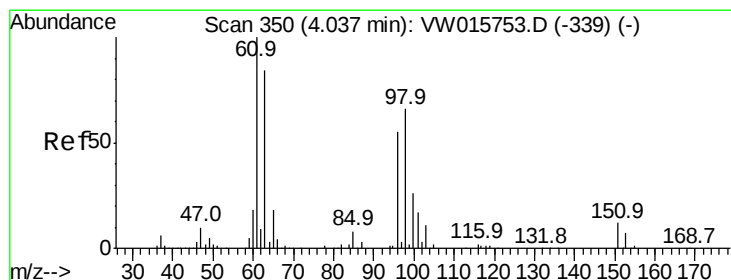
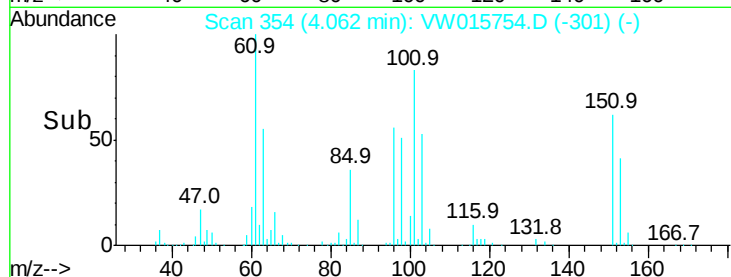
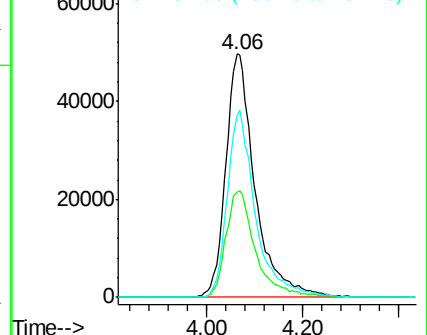
151 73.8 58.6 88.0



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: 47.449 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

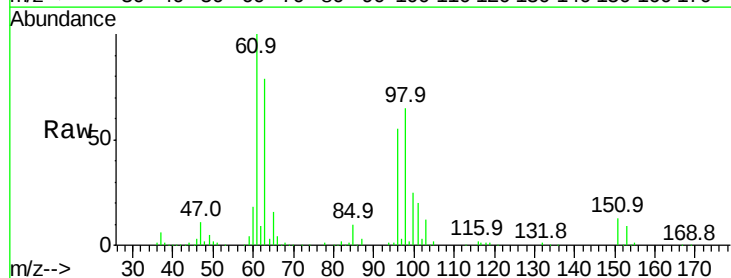
Tgt Ion: 96 Resp: 202805

Ion Ratio Lower Upper

96 100

61 183.0 128.0 237.6

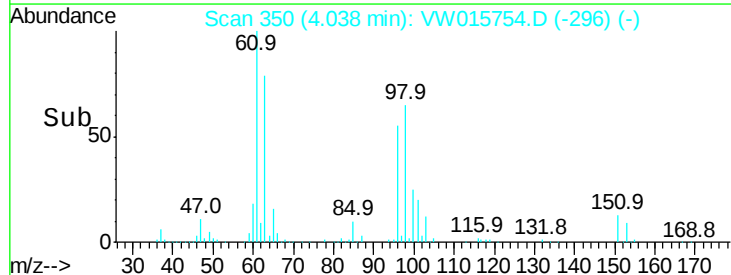
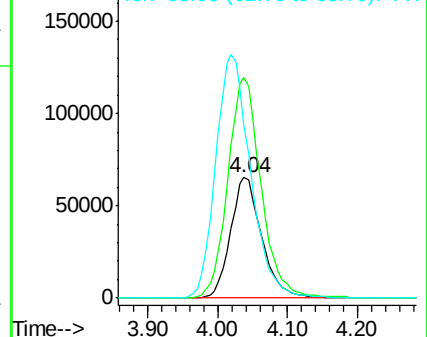
63 144.5 112.3 208.7

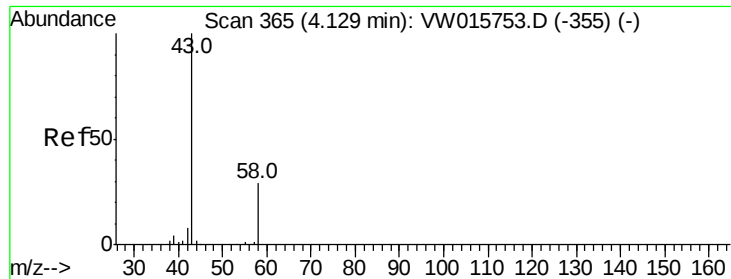


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 116.758 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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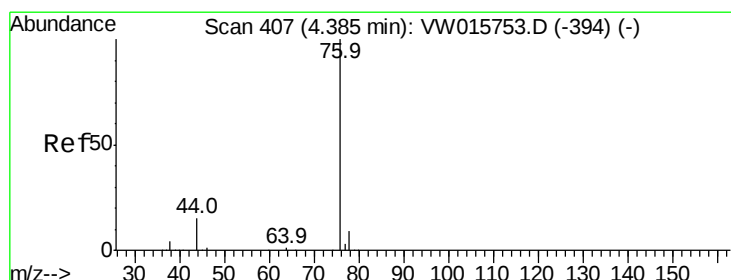
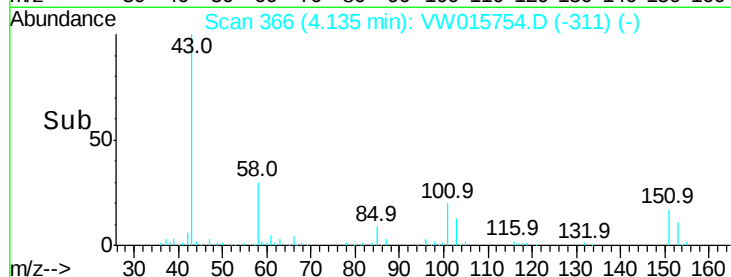
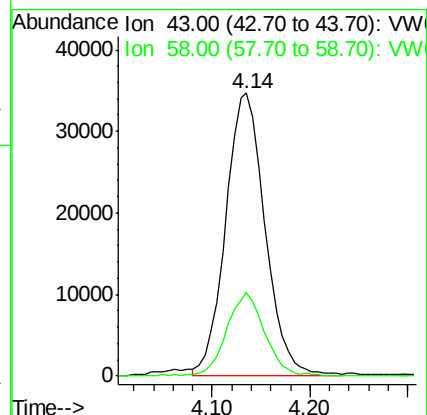
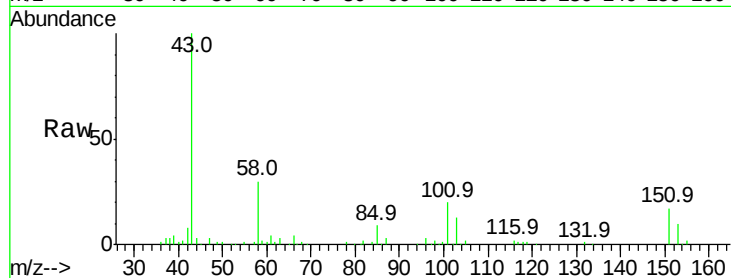
VSTD05001

Tgt Ion: 43 Resp: 96803

Ion Ratio Lower Upper

43 100

58 28.6 0.0 59.4



#14

Carbon disulfide

Concen: 45.014 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015754.D

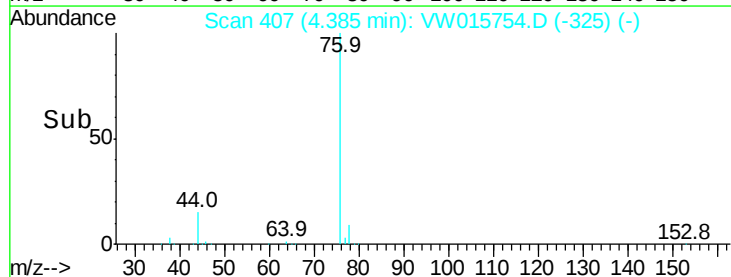
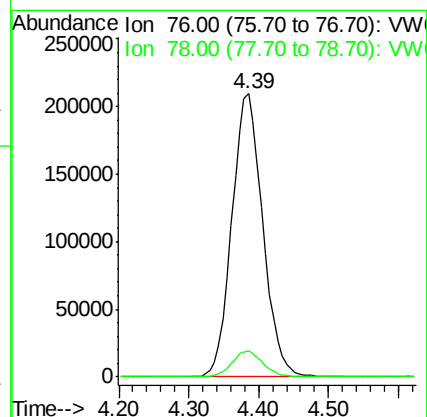
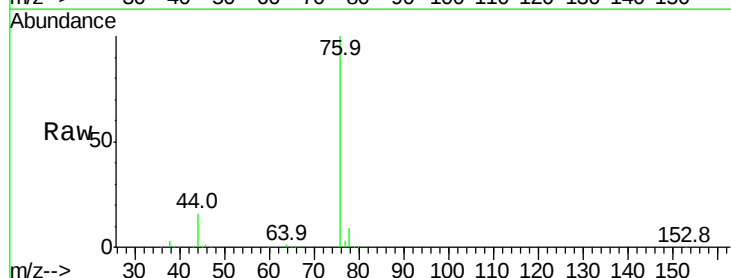
Acq: 29 Jun 2020 10:54

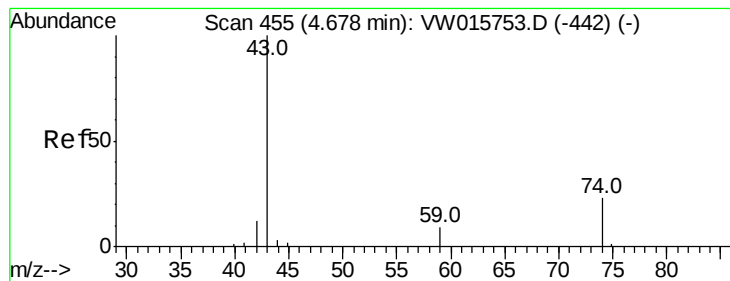
Tgt Ion: 76 Resp: 641859

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3





#15

Methyl Acetate

Concen: 53.268 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

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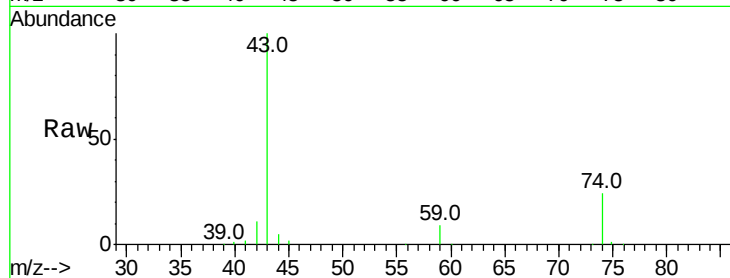
VSTD05001

Tgt Ion: 43 Resp: 95549

Ion Ratio Lower Upper

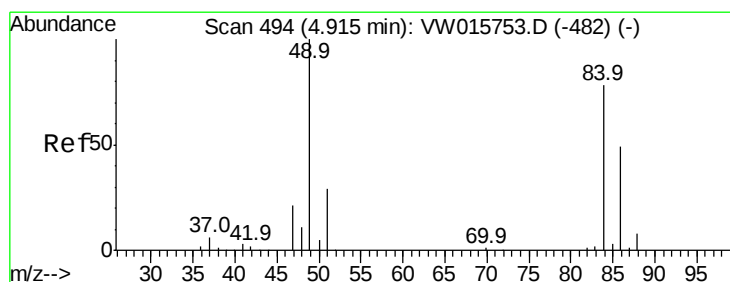
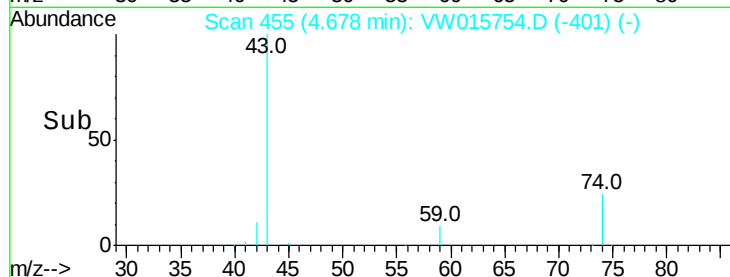
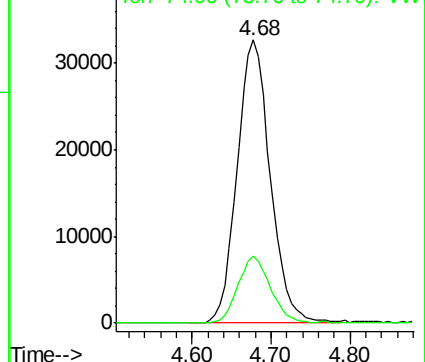
43 100

74 23.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 47.083 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

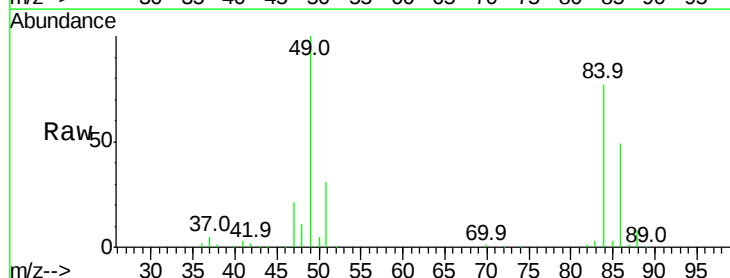
Tgt Ion: 84 Resp: 207136

Ion Ratio Lower Upper

84 100

49 130.4 90.0 167.2

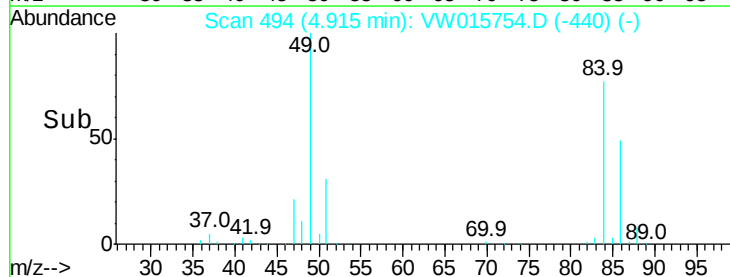
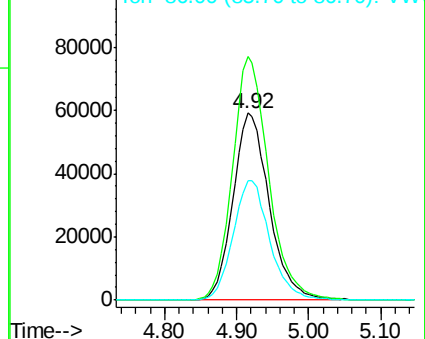
86 63.8 44.0 81.8

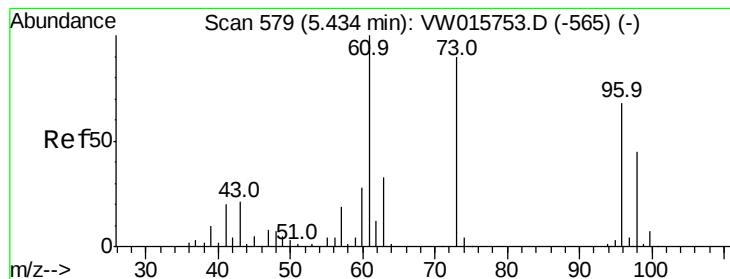


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 47.274 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

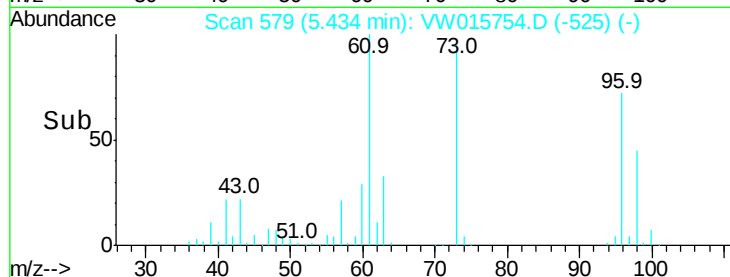
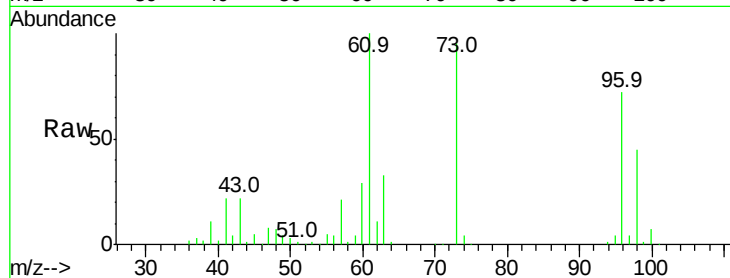
Tgt Ion: 73 Resp: 320647

Ion Ratio Lower Upper

73 100

43 23.1 19.0 28.4

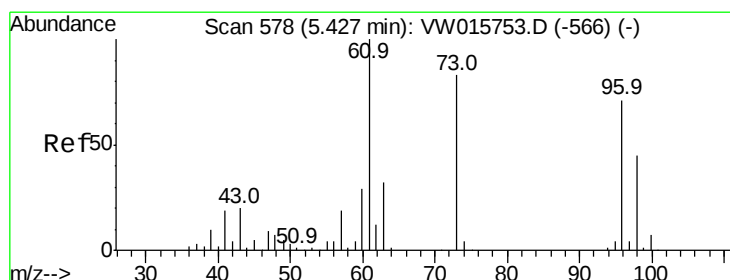
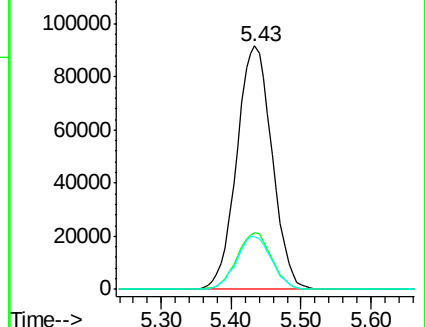
57 21.8 17.3 25.9



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: 48.163 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

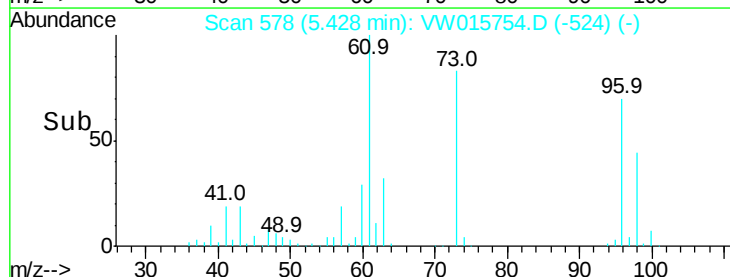
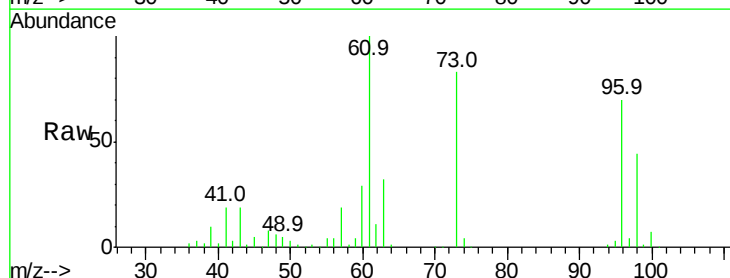
Tgt Ion: 96 Resp: 220615

Ion Ratio Lower Upper

96 100

61 143.0 98.5 182.9

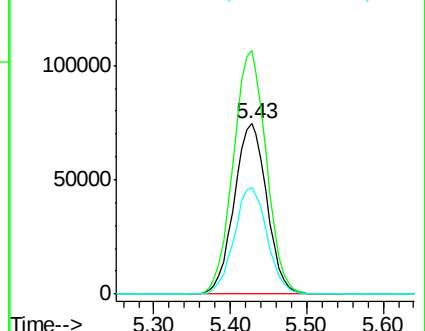
98 62.4 44.4 82.4

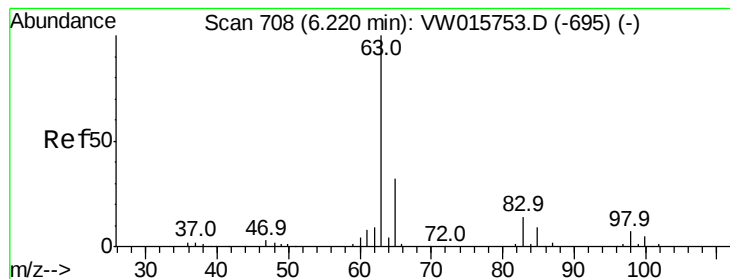


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 47.507 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

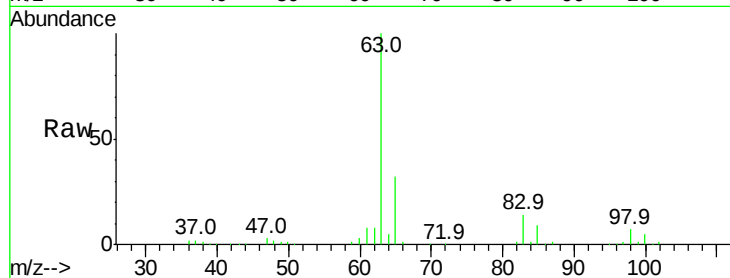
Tgt Ion: 63 Resp: 391402

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.3

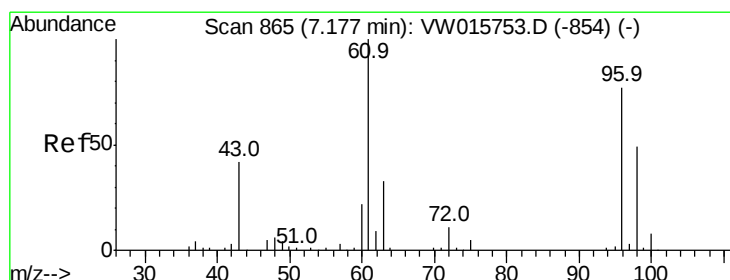
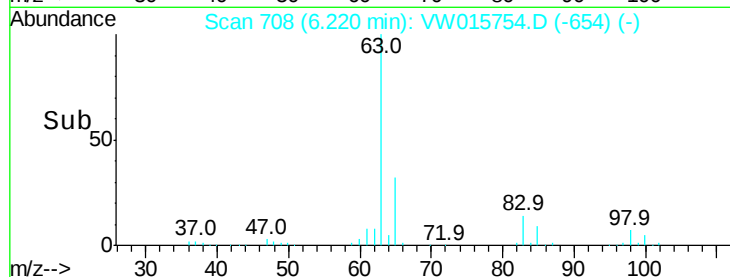
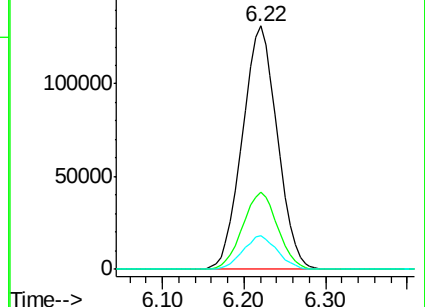
83 13.7 9.5 17.7



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: 101.737 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015754.D

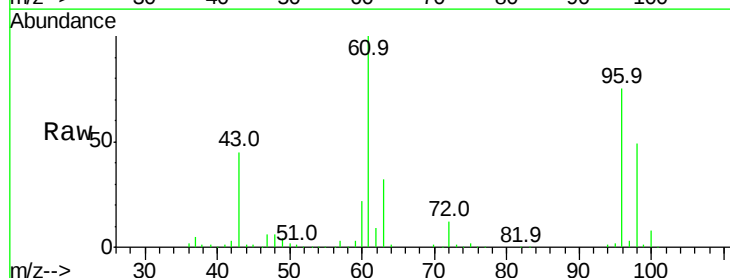
Acq: 29 Jun 2020 10:54

Tgt Ion: 43 Resp: 129575

Ion Ratio Lower Upper

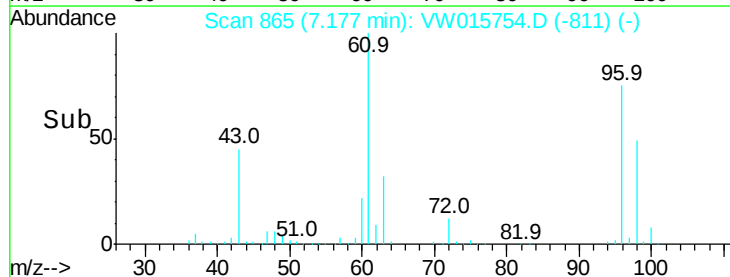
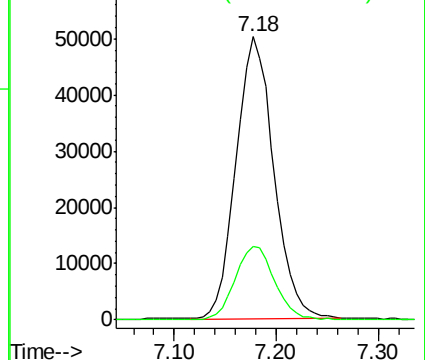
43 100

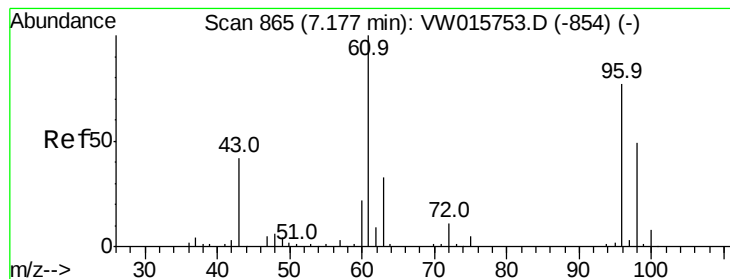
72 27.2 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



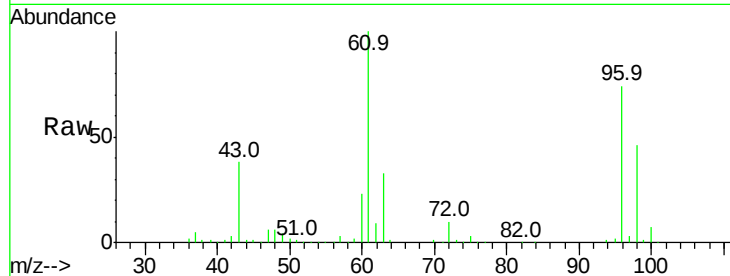


#22

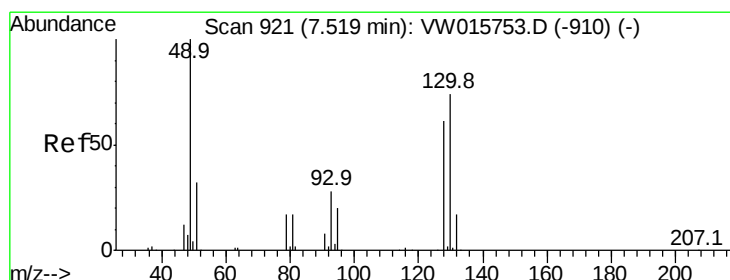
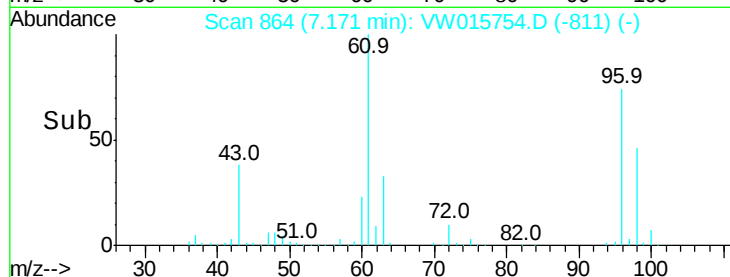
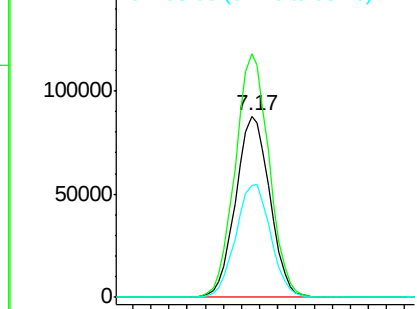
cis-1,2-Dichloroethene
Concen: 48.039 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

Tgt Ion: 96 Resp: 229548
Ion Ratio Lower Upper
96 100
61 134.6 90.8 168.6
98 62.0 44.1 81.9



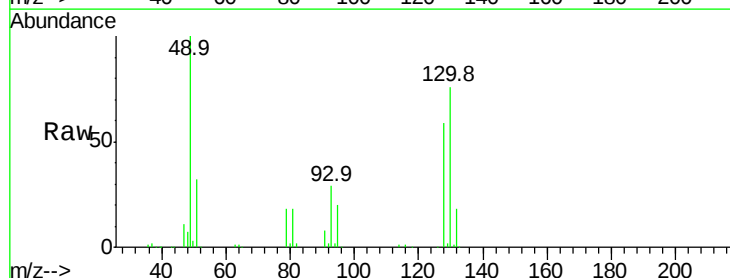
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



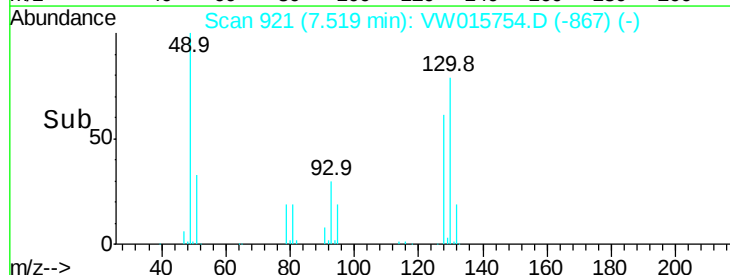
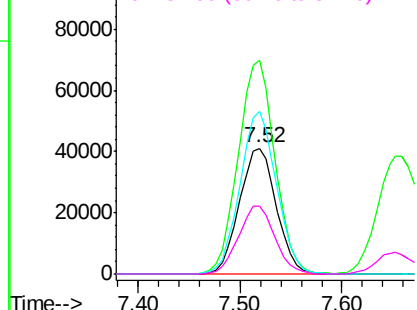
#23

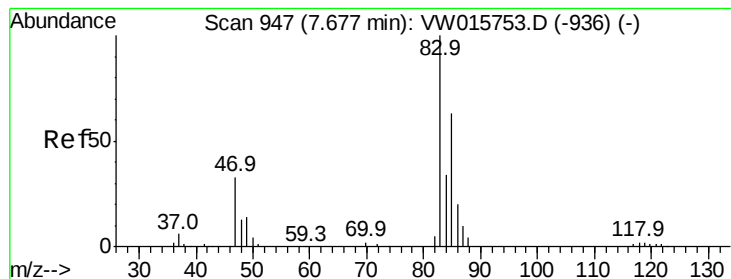
Bromochloromethane
Concen: 50.109 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

Tgt Ion: 128 Resp: 103251
Ion Ratio Lower Upper
128 100
49 170.0 115.0 213.6
130 129.5 85.1 158.1
51 54.3 42.6 64.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 47.955 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

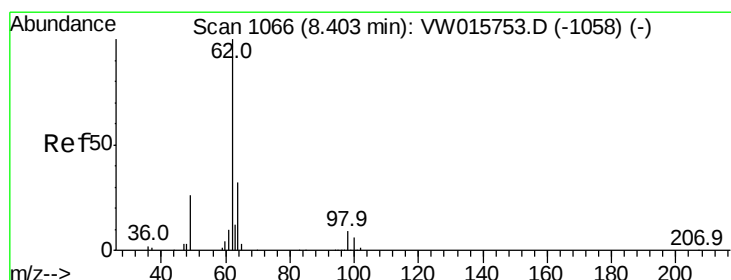
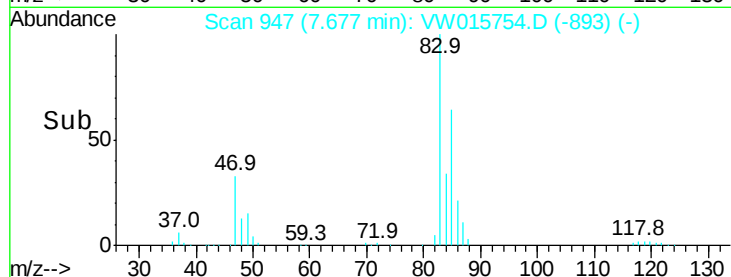
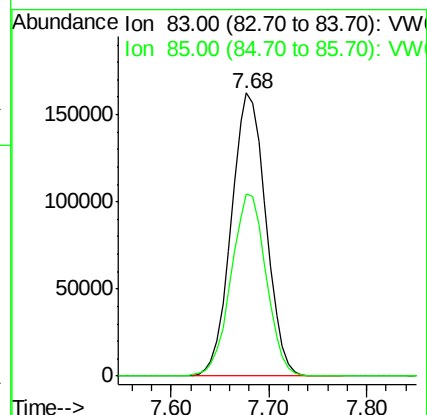
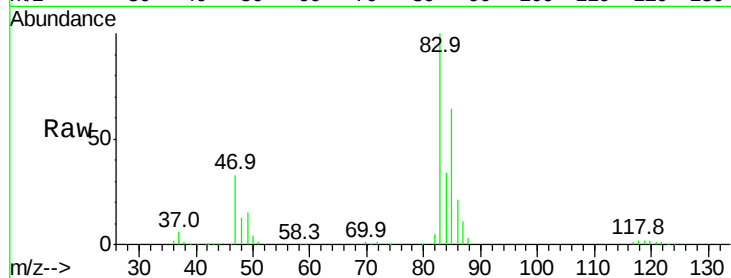
VSTD05001

Tgt Ion: 83 Resp: 397831

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.312 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015754.D

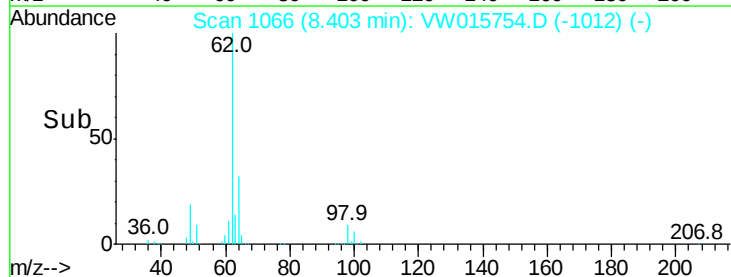
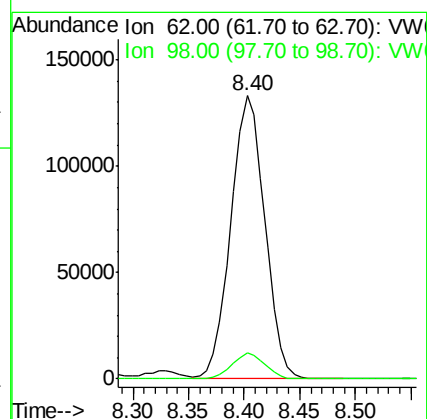
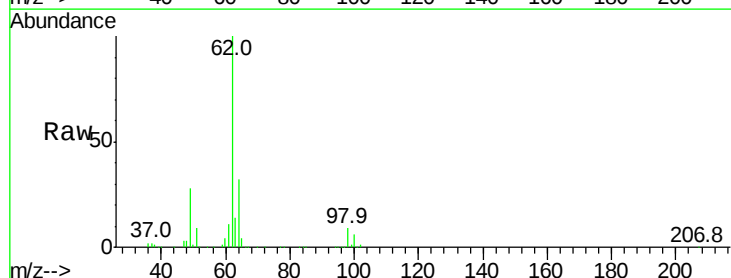
Acq: 29 Jun 2020 10:54

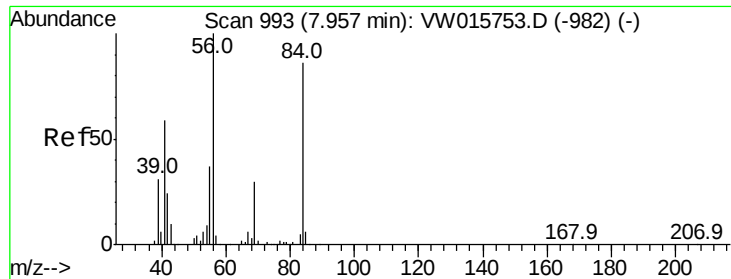
Tgt Ion: 62 Resp: 282360

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.4

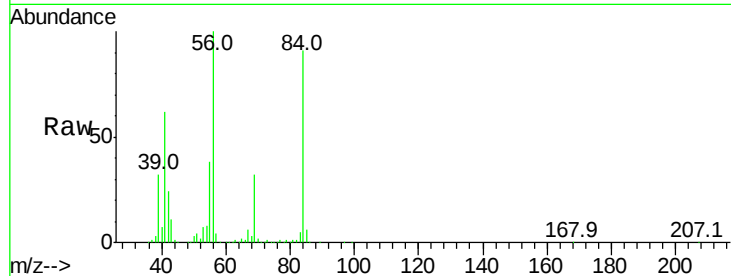




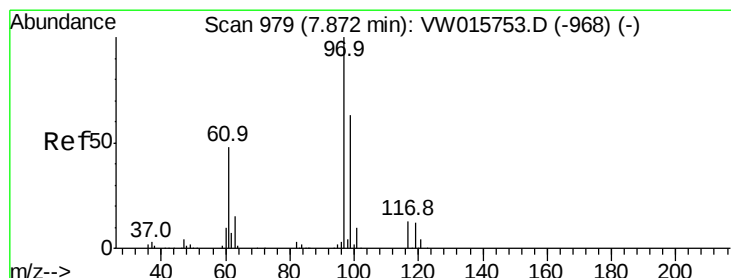
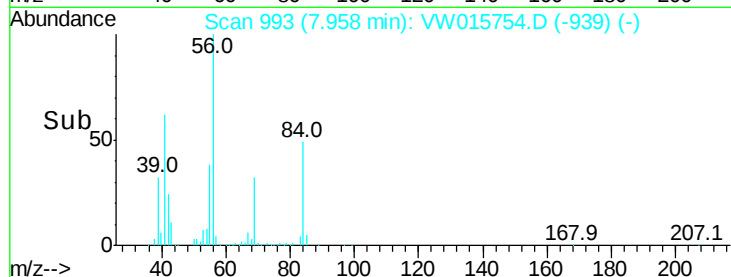
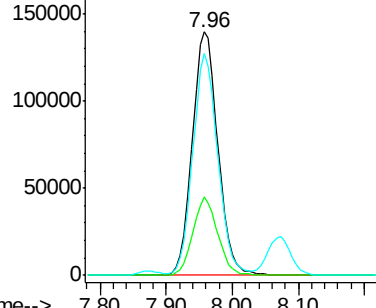
#30
Cyclohexane
Concen: 45.255 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

Instrument :
MSVOA_W
ClientSampled :
VSTD05001

Tgt Ion: 56 Resp: 374884
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 88.9 71.1 106.7

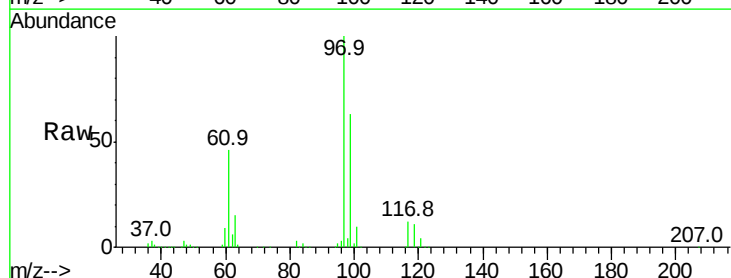


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

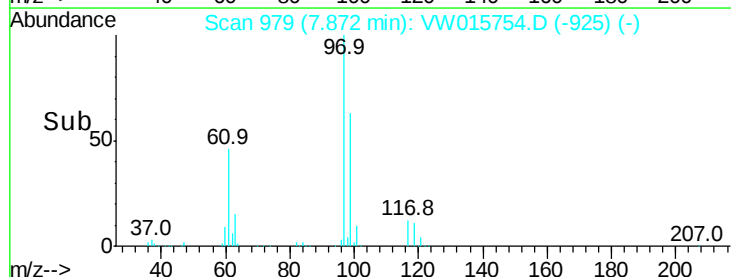
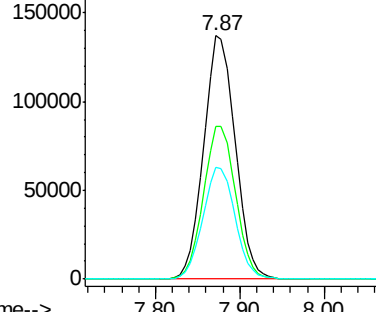


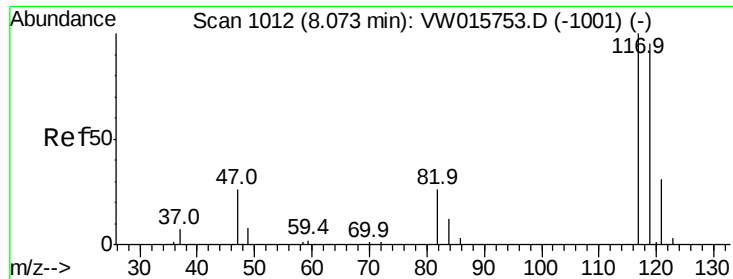
#31
1,1,1-Trichloroethane
Concen: 46.364 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

Tgt Ion: 97 Resp: 347595
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 47.0 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 46.515 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampled :

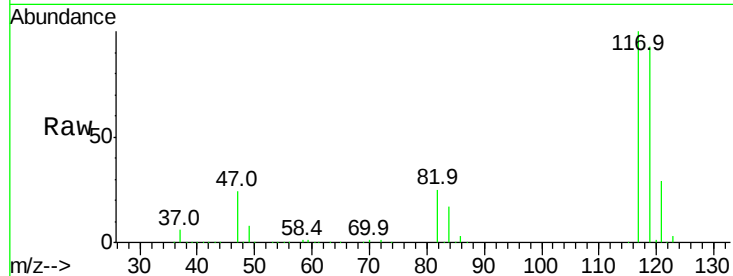
VSTD05001

Tgt Ion:117 Resp: 319847

Ion Ratio Lower Upper

117 100

119 96.4 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

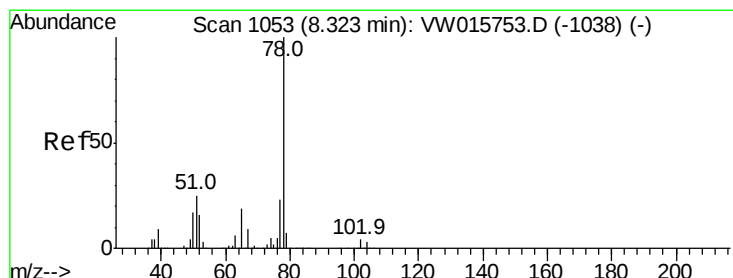
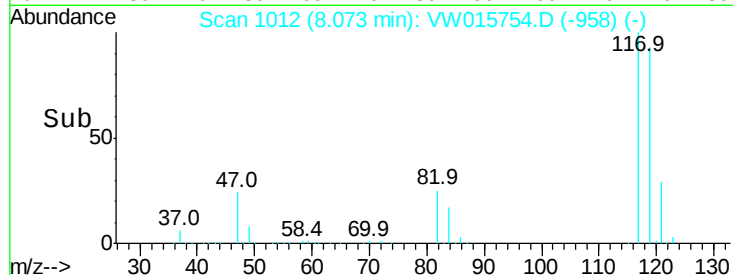
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 47.469 ug/L

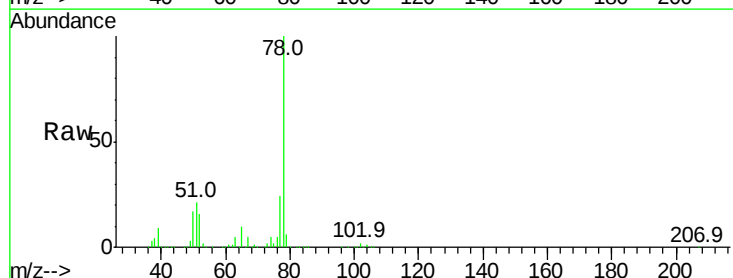
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Tgt Ion: 78 Resp: 889601



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

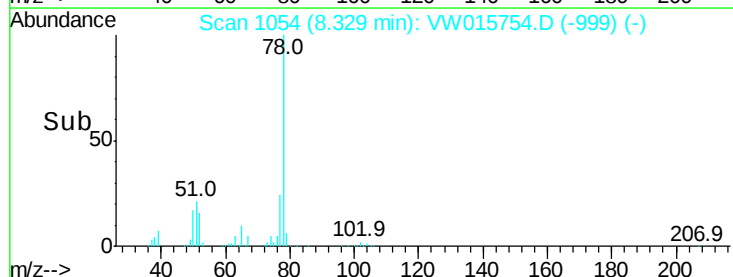
300000

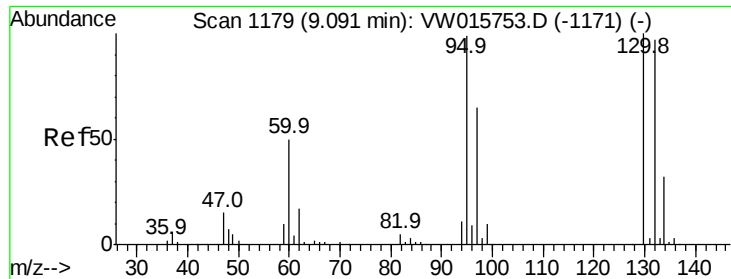
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 46.951 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tgt Ion: 95 Resp: 236350

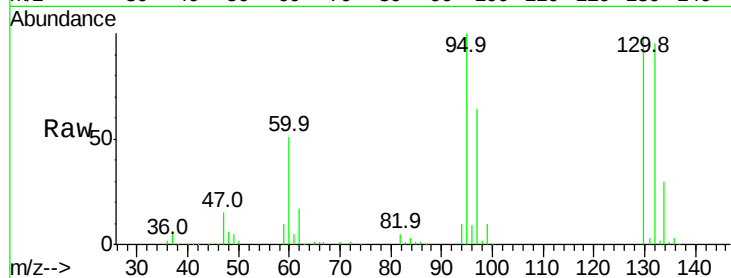
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.3

132 96.1 67.8 126.0

130 100.8 70.1 130.1

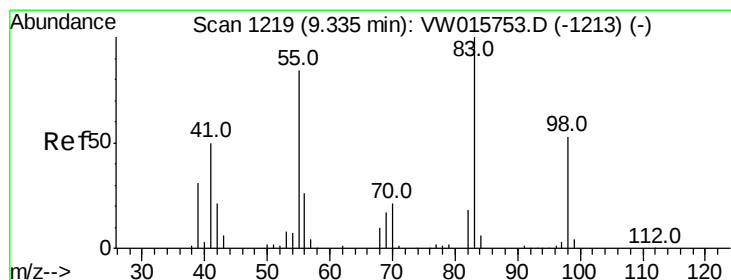
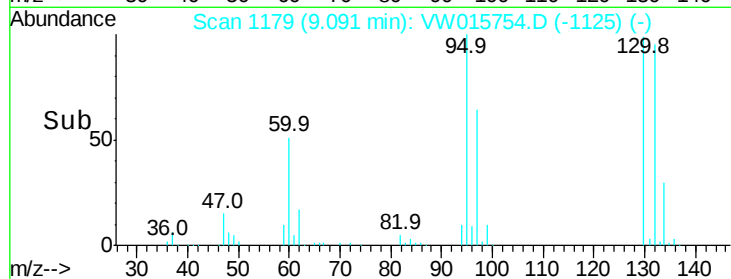
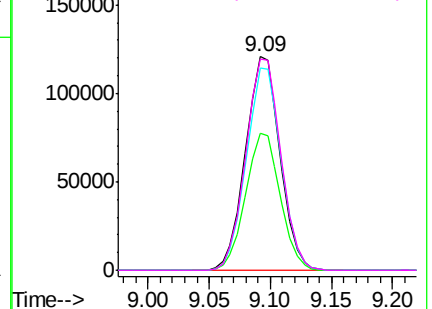


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 47.177 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

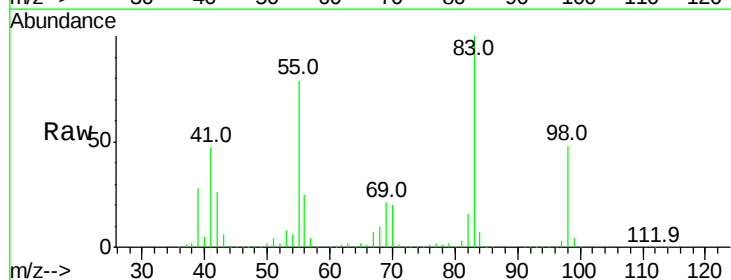
Tgt Ion: 83 Resp: 423565

Ion Ratio Lower Upper

83 100

55 77.4 62.7 94.1

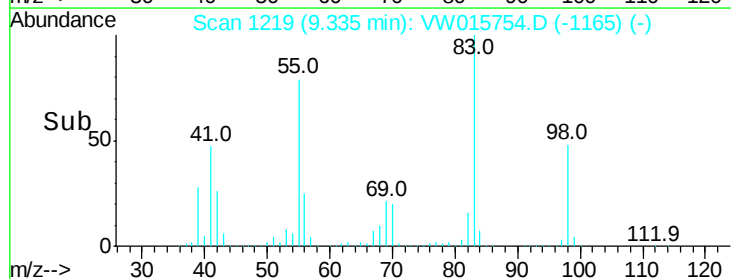
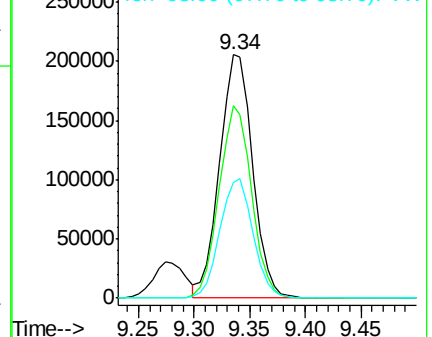
98 49.1 39.4 59.2

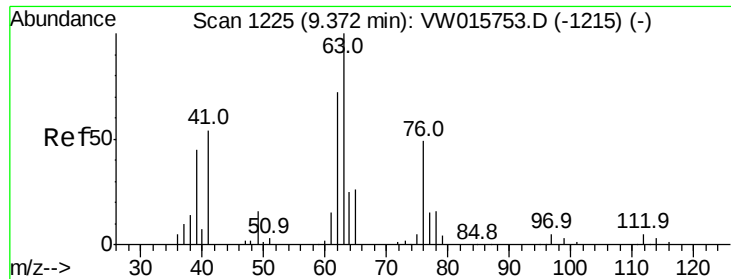


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

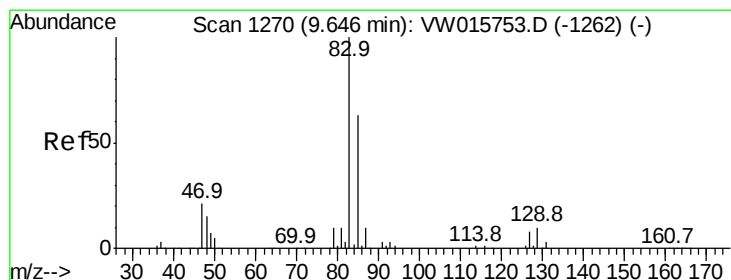
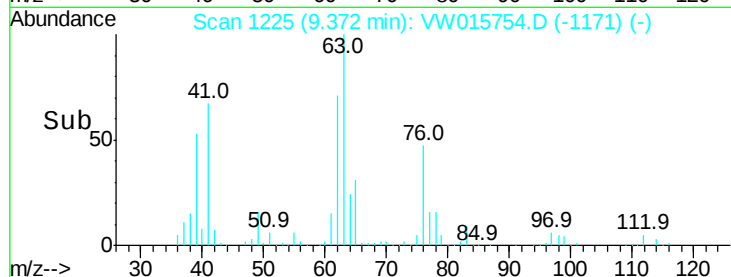
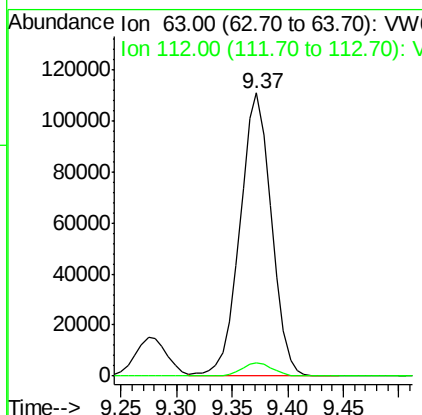
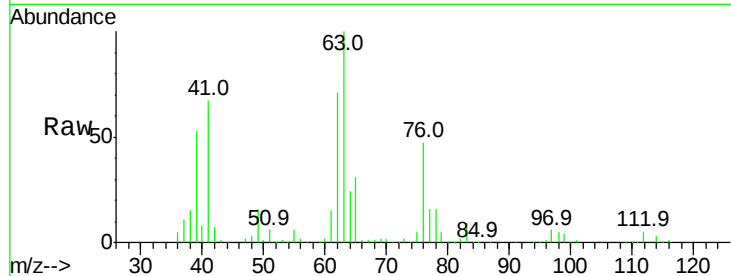




#40
 1,2-Dichloropropane
 Concen: 47.113 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

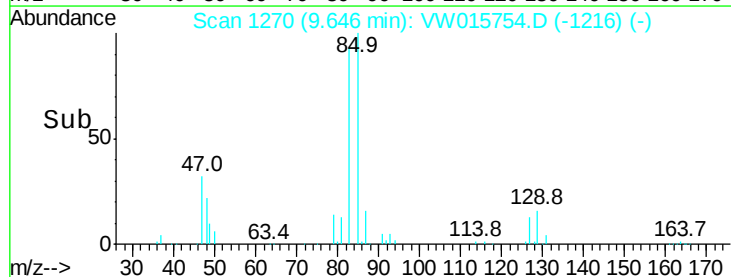
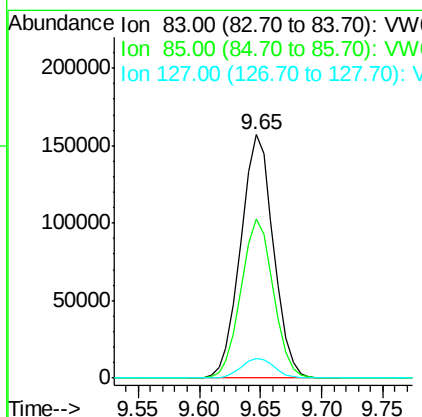
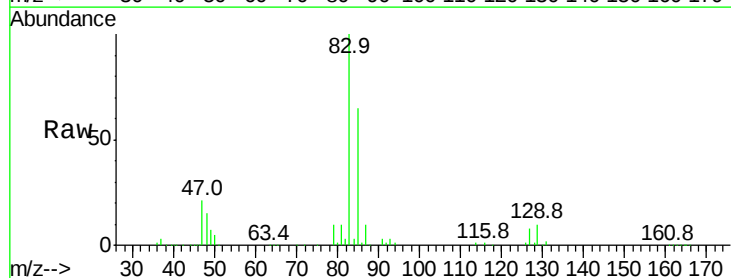
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

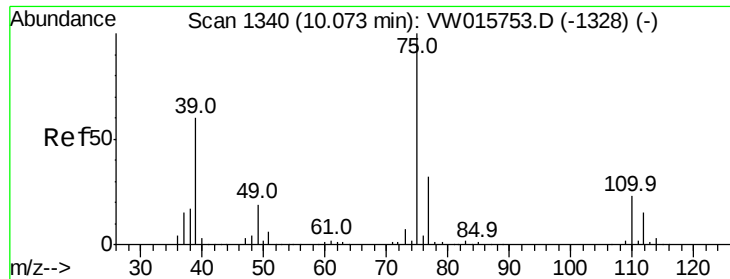
Tgt Ion: 63 Resp: 217433
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 47.536 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Tgt Ion: 83 Resp: 293083
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.1 81.9
 127 8.3 6.6 10.0

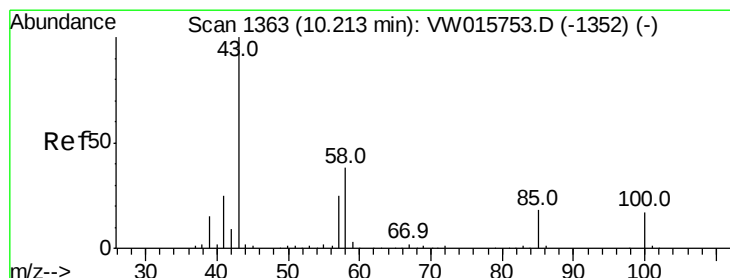
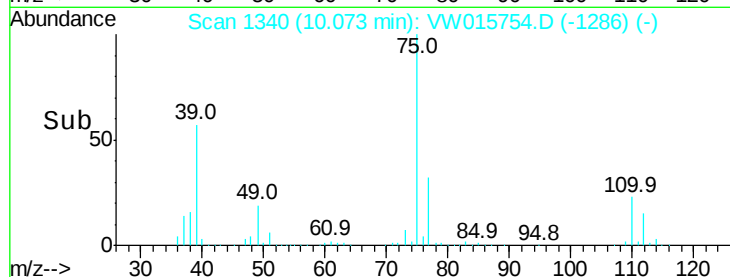
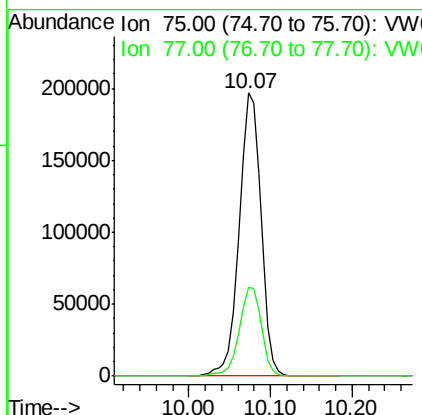
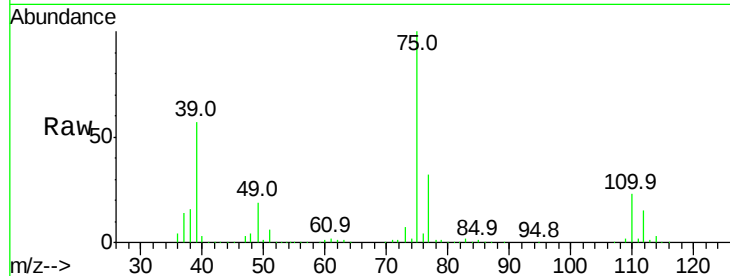




#42
 cis-1,3-Dichloropropene
 Concen: 49.063 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

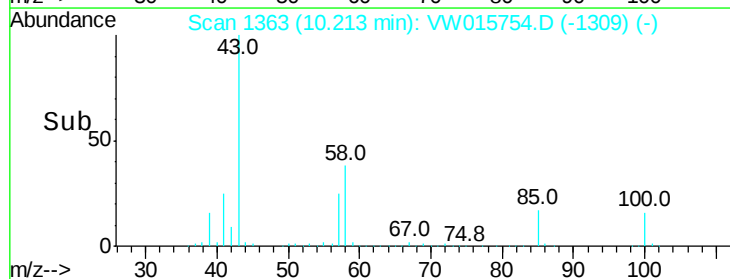
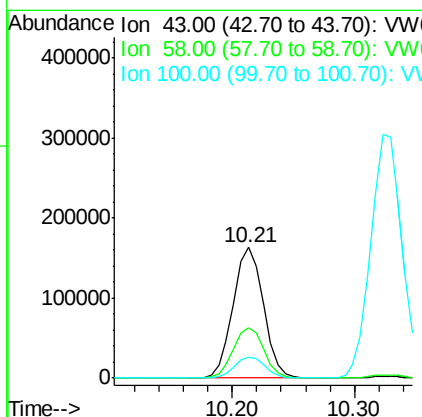
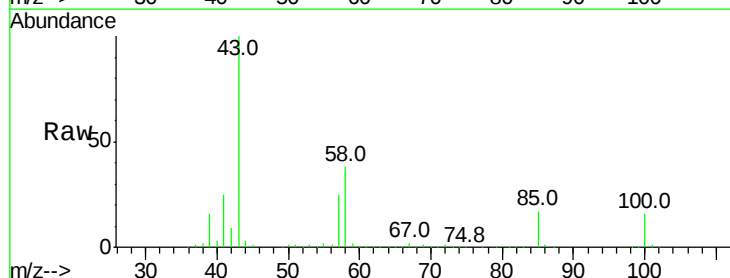
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

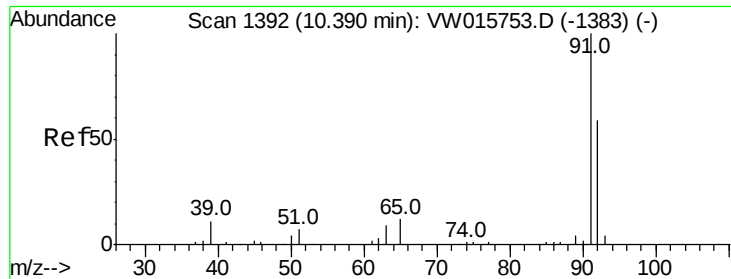
Tgt Ion: 75 Resp: 362349
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 103.965 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Tgt Ion: 43 Resp: 281257
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.3 45.5
 100 16.1 12.8 19.2





#44

Toluene

Concen: 49.036 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

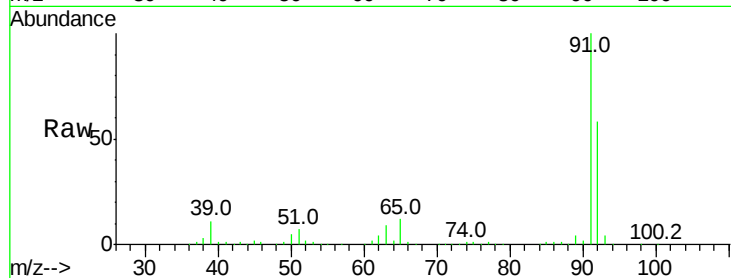
VSTD05001

Tgt Ion: 91 Resp: 1001210

Ion Ratio Lower Upper

91 100

92 58.1 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

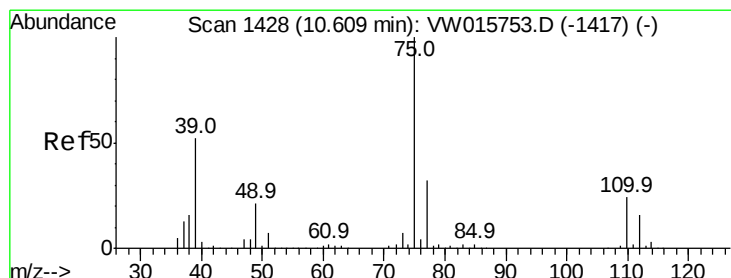
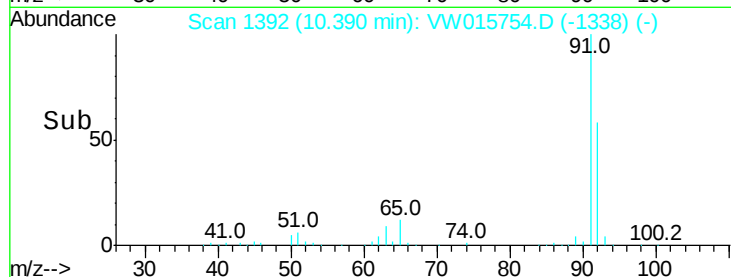
600000

400000

200000

0

Time--> 10.30 10.40 10.50



#45

trans-1,3-Dichloropropene

Concen: 50.399 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015754.D

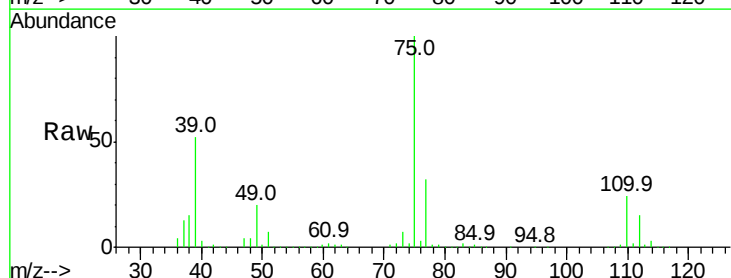
Acq: 29 Jun 2020 10:54

Tgt Ion: 75 Resp: 323916

Ion Ratio Lower Upper

75 100

77 32.0 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

200000

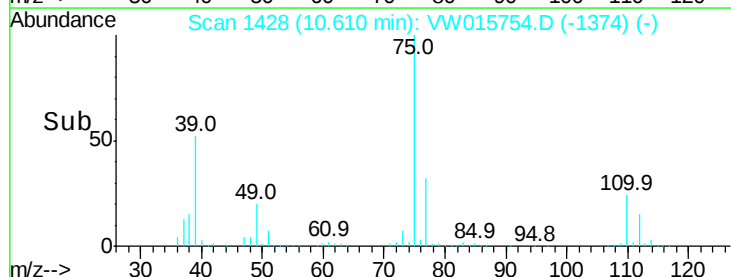
150000

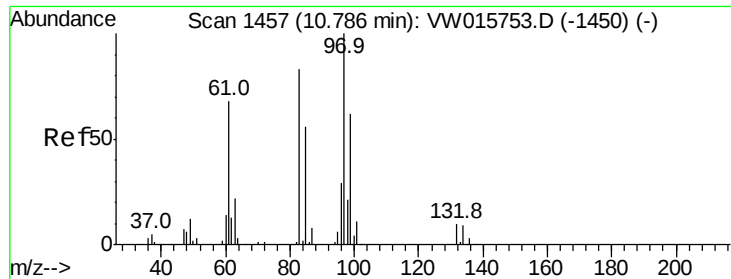
100000

50000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 51.085 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tgt Ion: 97 Resp: 164941

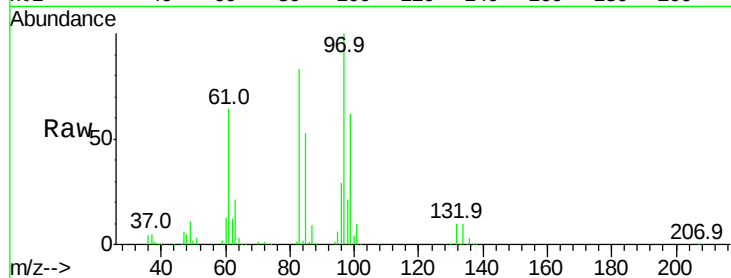
Ion Ratio Lower Upper

97 100

83 83.0 58.4 108.4

85 53.4 39.2 72.8

99 61.9 43.5 80.7



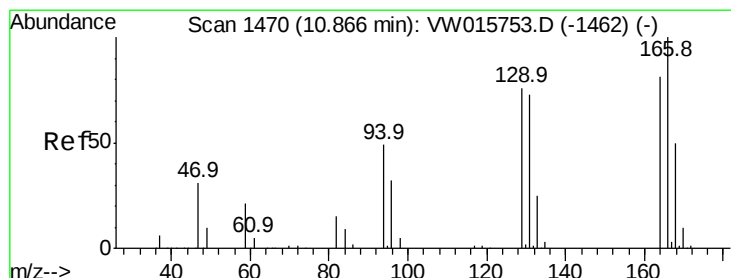
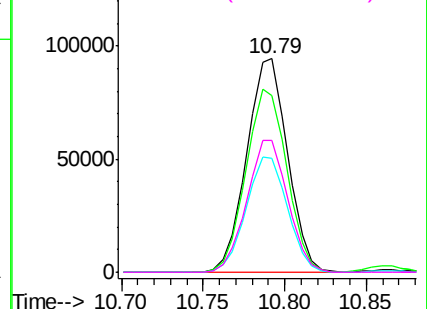
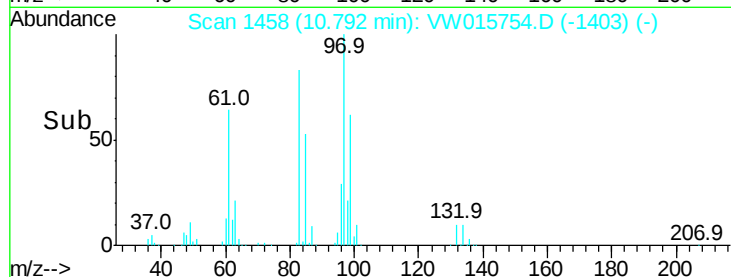
Abundance

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: 48.282 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Tgt Ion: 164 Resp: 192666

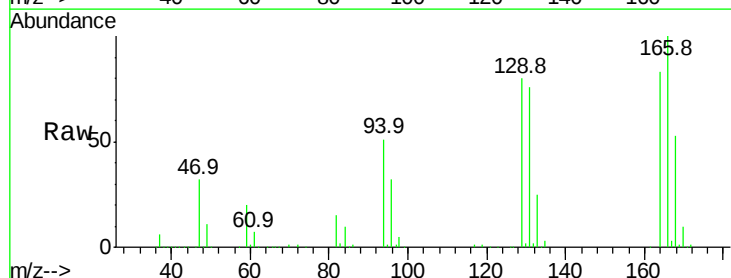
Ion Ratio Lower Upper

164 100

129 96.4 66.1 122.8

131 91.3 63.6 118.0

166 120.3 86.9 161.3



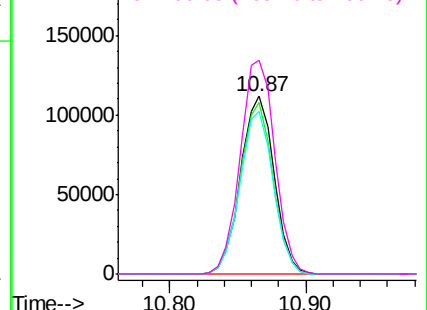
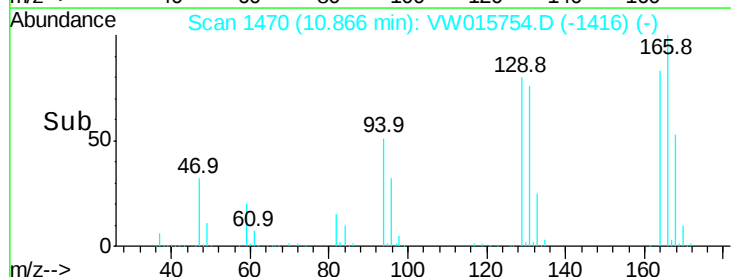
Abundance

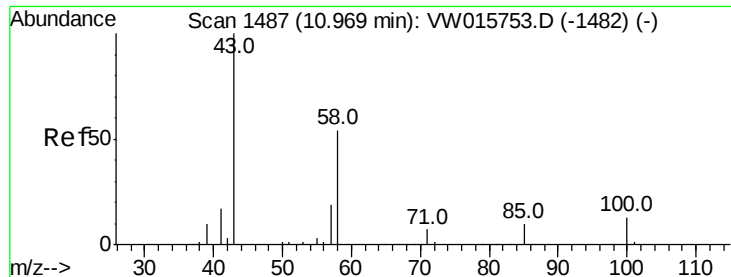
Ion 164.00 (163.70 to 164.70): V

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: 110.345 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

Tgt Ion: 43 Resp: 201495

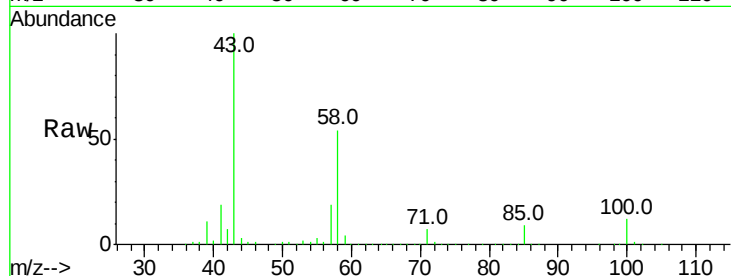
Ion Ratio Lower Upper

43 100

58 53.7 43.5 65.3

57 19.2 15.4 23.0

100 12.5 10.0 15.0

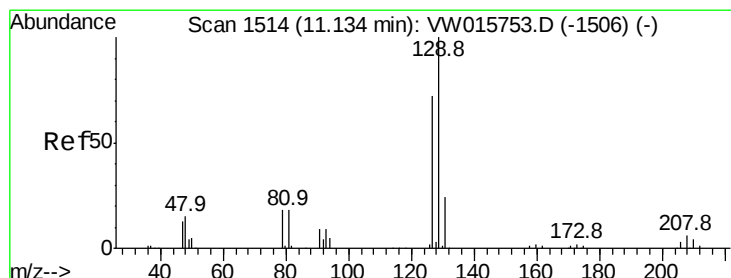
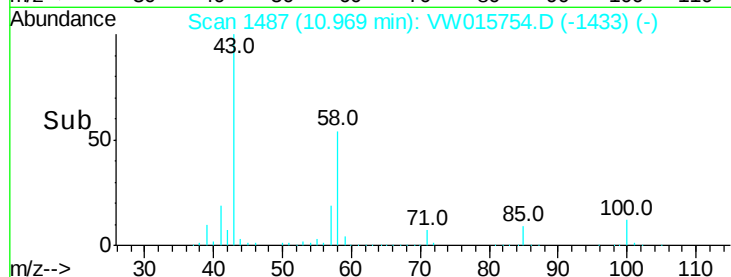
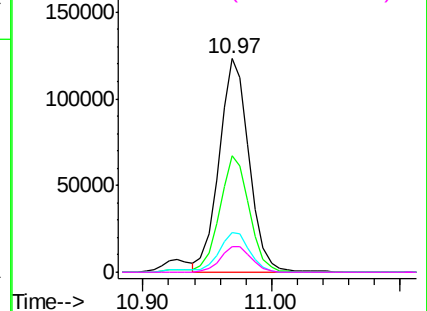


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 50.558 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW015754.D

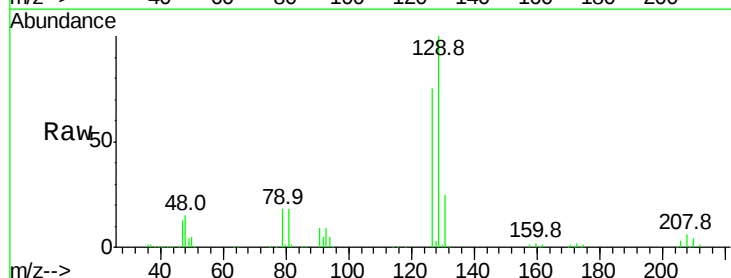
Acq: 29 Jun 2020 10:54

Tgt Ion: 129 Resp: 198329

Ion Ratio Lower Upper

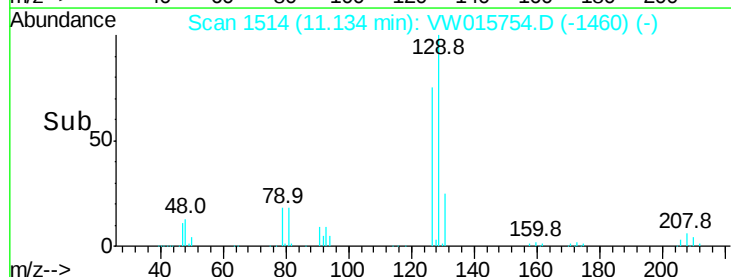
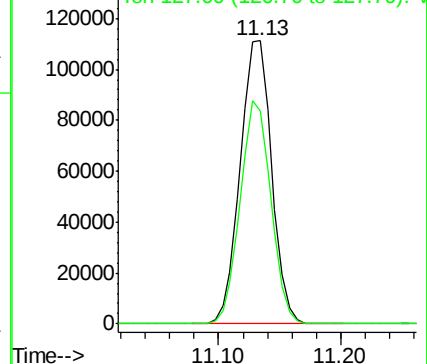
129 100

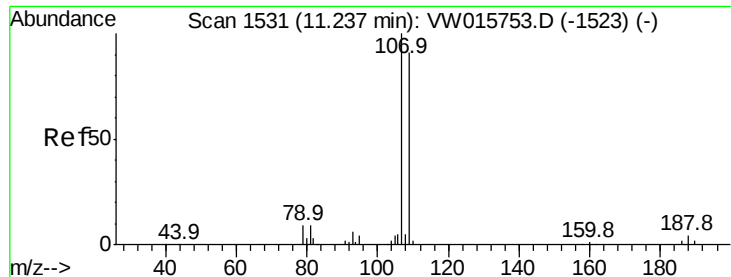
127 75.4 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

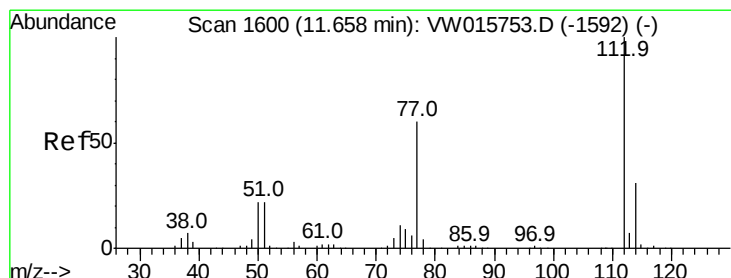
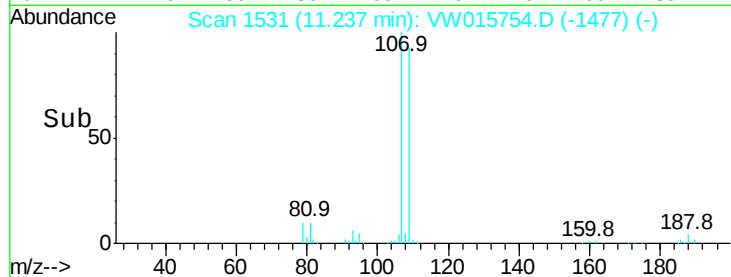
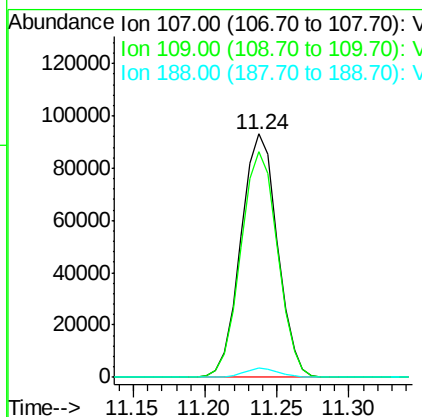
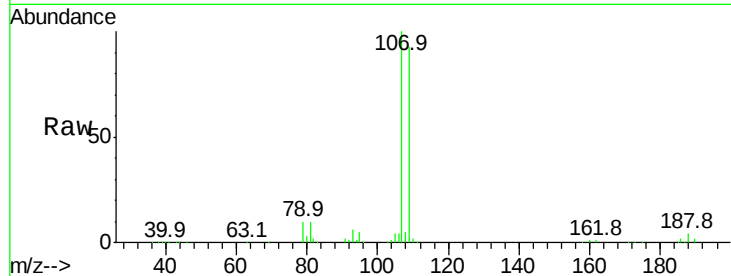




#51
 1,2-Dibromoethane
 Concen: 52.824 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

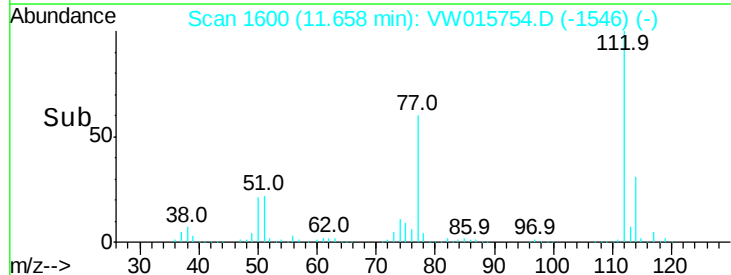
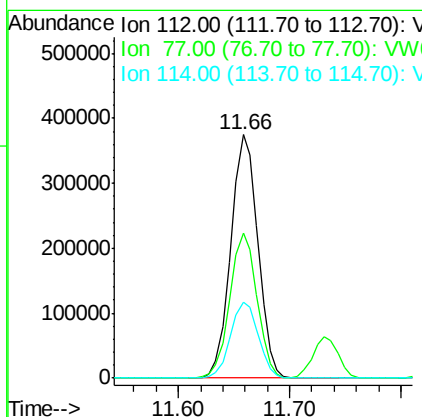
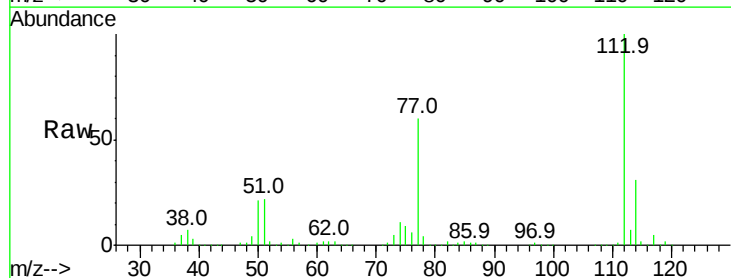
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

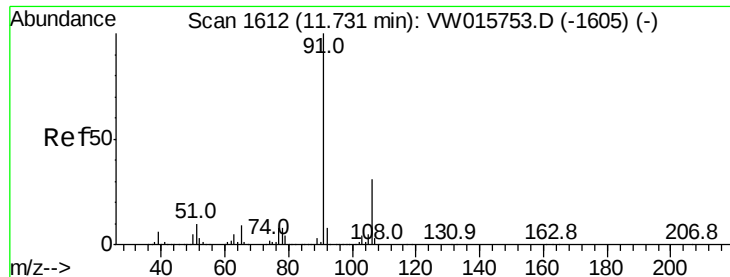
Tgt Ion:107 Resp: 163739
 Ion Ratio Lower Upper
 107 100
 109 92.8 64.0 118.8
 188 4.0 3.1 4.7



#52
 Chlorobenzene
 Concen: 49.004 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Tgt Ion:112 Resp: 627594
 Ion Ratio Lower Upper
 112 100
 77 59.8 48.4 72.6
 114 31.0 21.8 40.4





#53

Ethylbenzene

Concen: 48.941 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

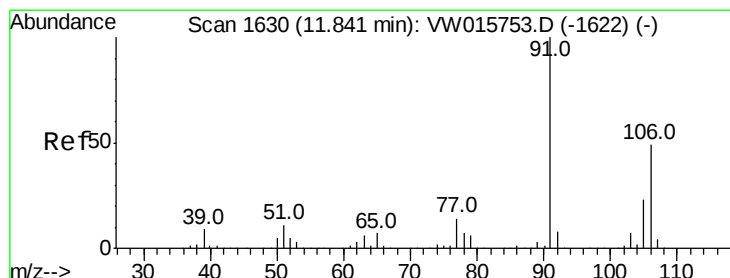
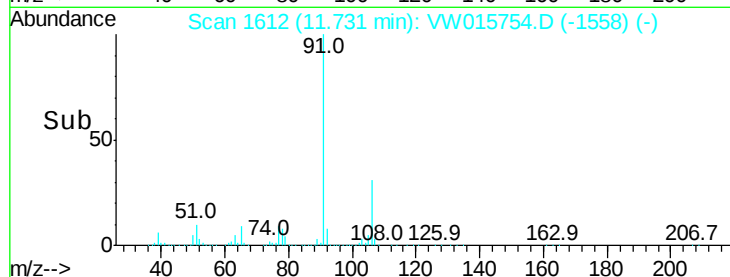
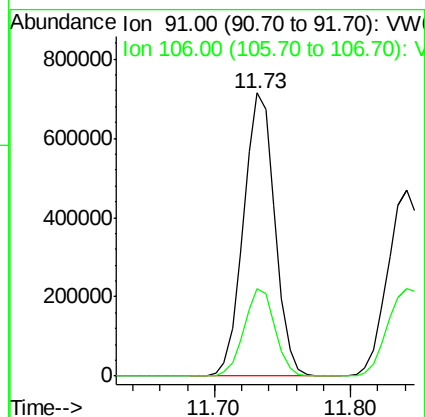
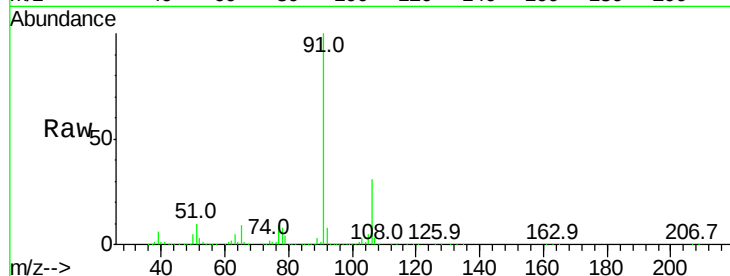
VSTD05001

Tgt Ion: 91 Resp: 1147417

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#54

m,p-Xylene

Concen: 49.029 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015754.D

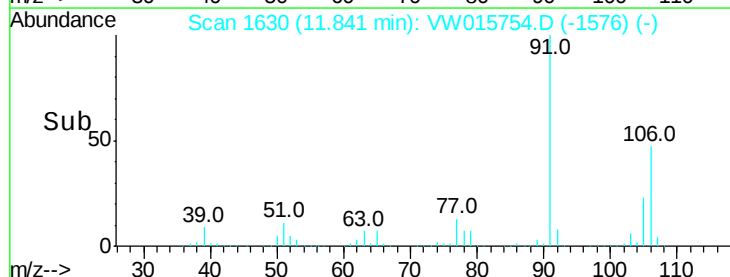
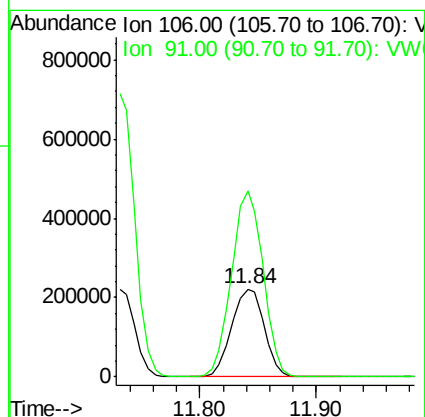
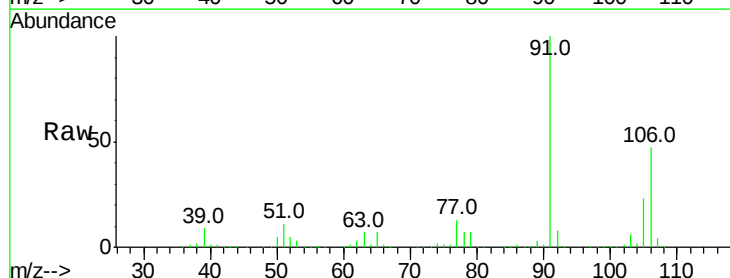
Acq: 29 Jun 2020 10:54

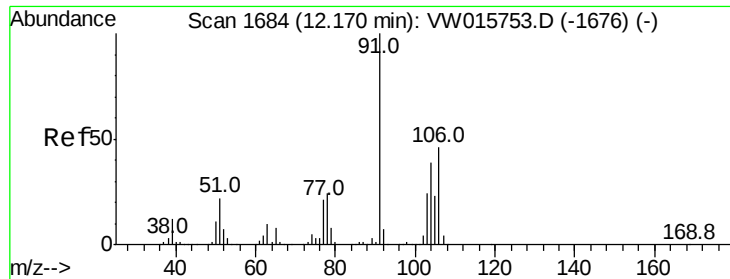
Tgt Ion: 106 Resp: 431336

Ion Ratio Lower Upper

106 100

91 211.1 141.5 262.9

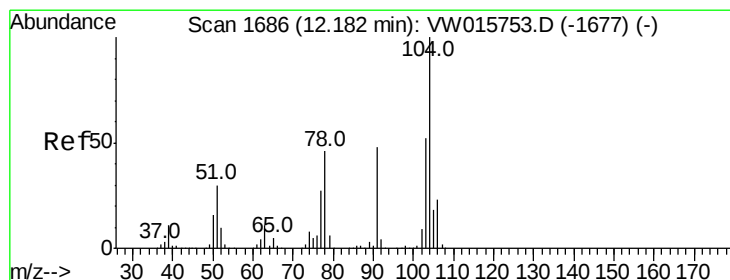
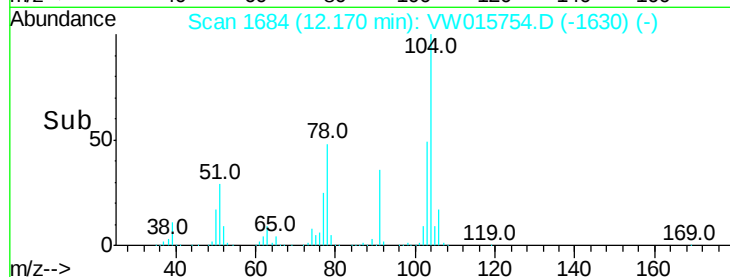
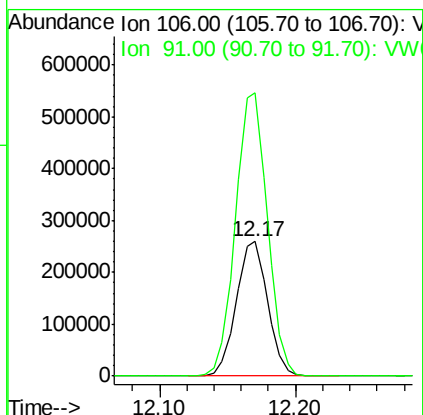
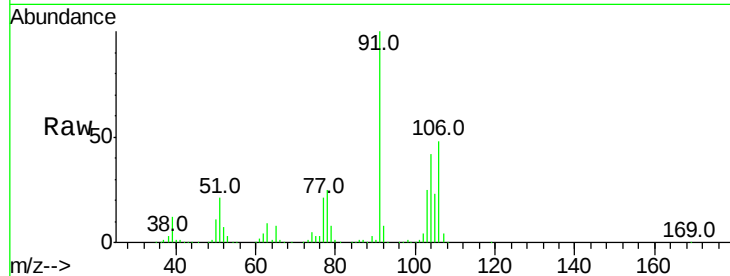




#55
o-xylene
Concen: 49.888 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

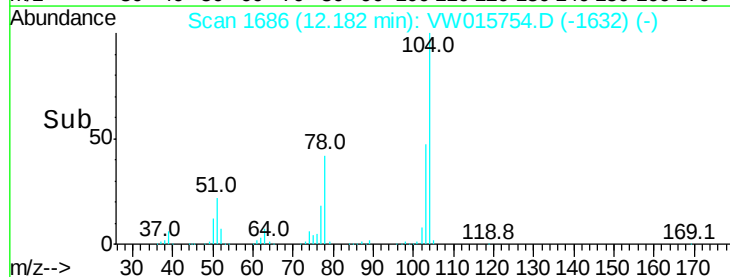
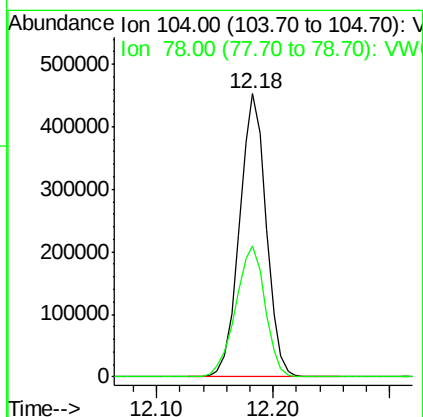
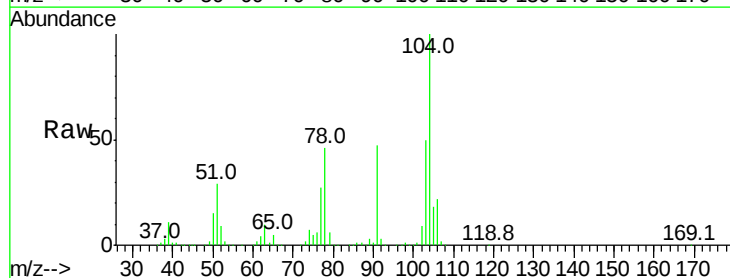
Instrument :
MSVOA_W
ClientSampleId :
VSTD05001

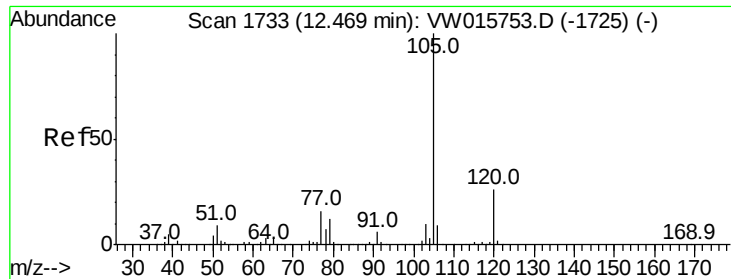
Tgt Ion:106 Resp: 416600
Ion Ratio Lower Upper
106 100
91 210.1 151.3 280.9



#56
Styrene
Concen: 50.561 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015754.D
Acq: 29 Jun 2020 10:54

Tgt Ion:104 Resp: 721450
Ion Ratio Lower Upper
104 100
78 46.1 32.4 60.2





#57

Isopropylbenzene

Concen: 49.410 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05001

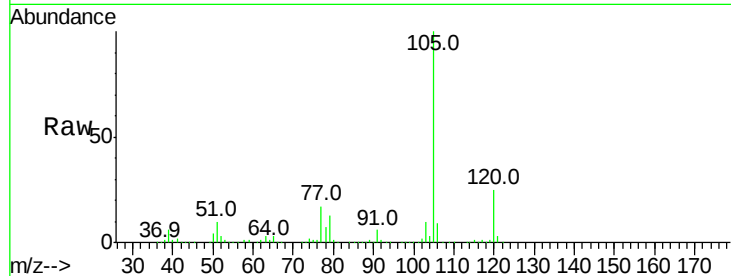
Tgt Ion:105 Resp: 1149372

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

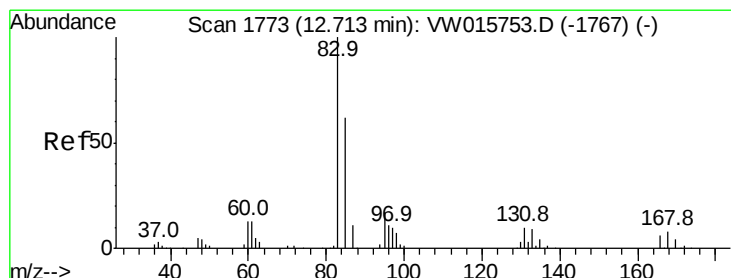
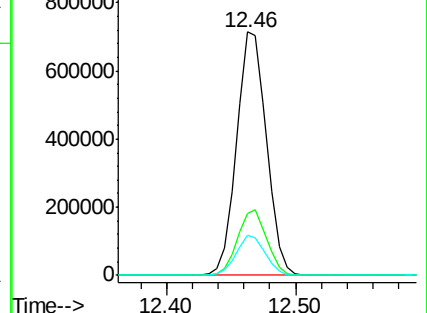
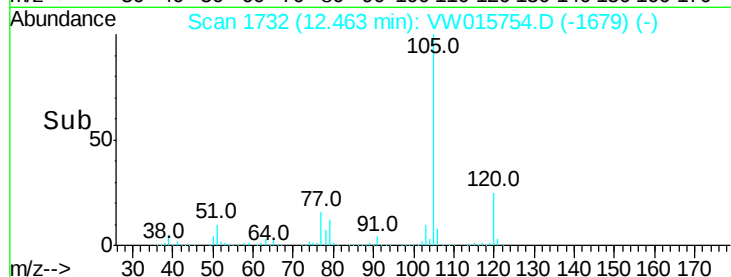
77 16.1 12.9 19.3



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: 54.689 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

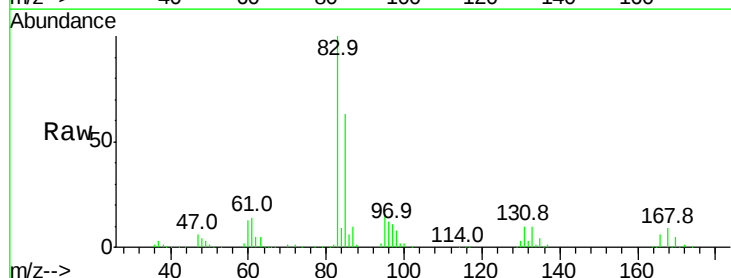
Tgt Ion: 83 Resp: 204428

Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.9

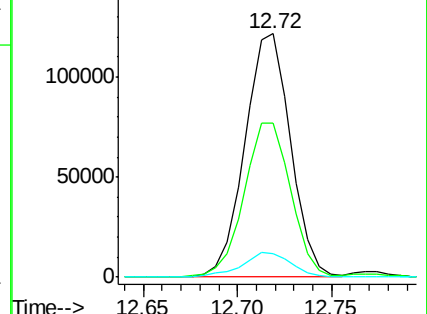
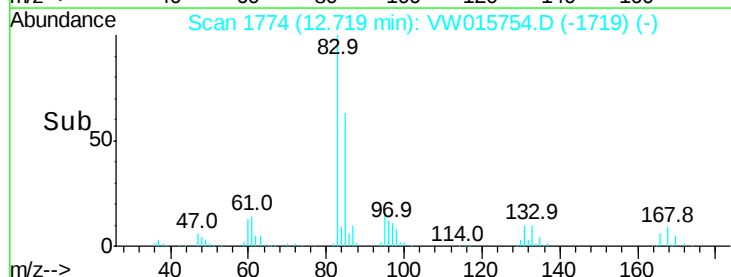
131 9.8 8.2 12.4

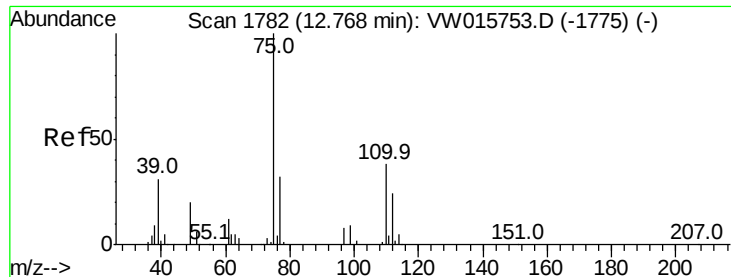


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.310 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampleId :

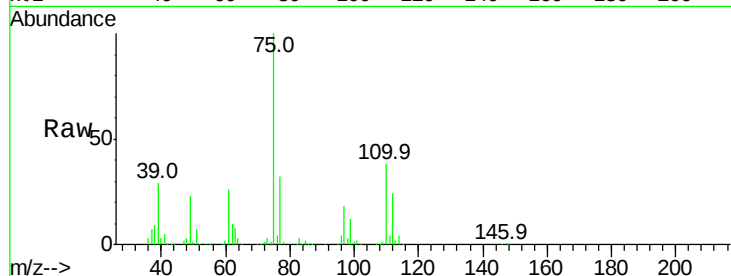
VSTD05001

Tgt Ion: 75 Resp: 153931

Ion Ratio Lower Upper

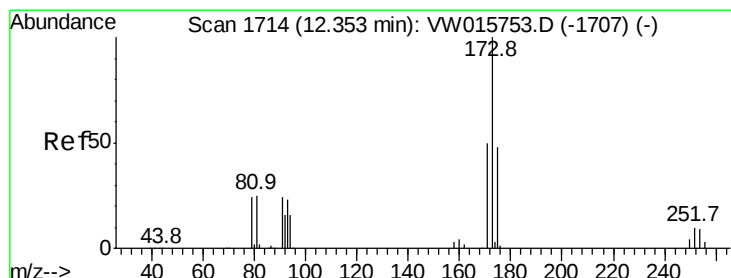
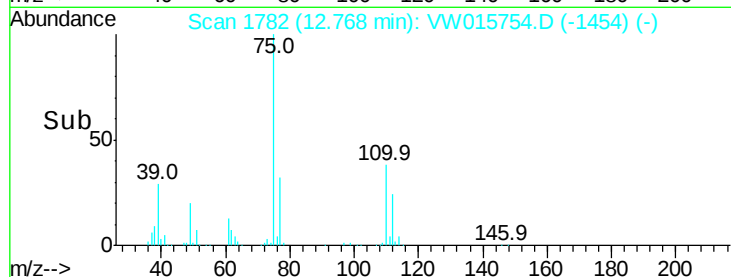
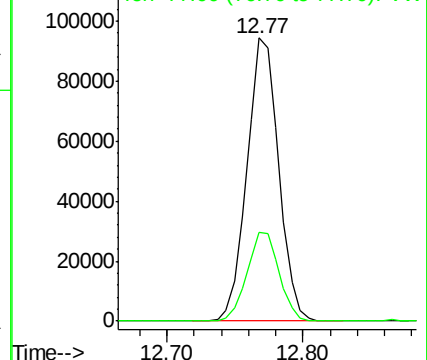
75 100

77 31.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 49.265 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

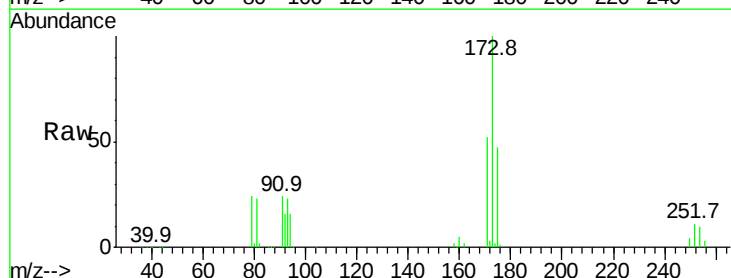
Tgt Ion: 173 Resp: 117216

Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.2

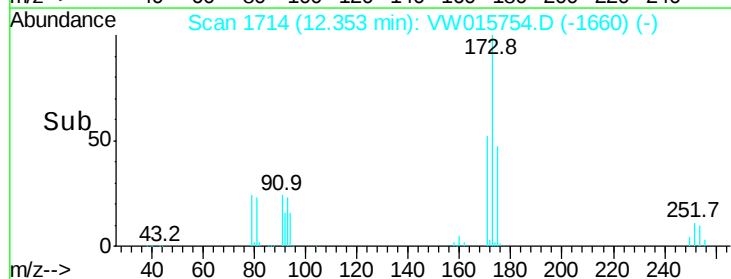
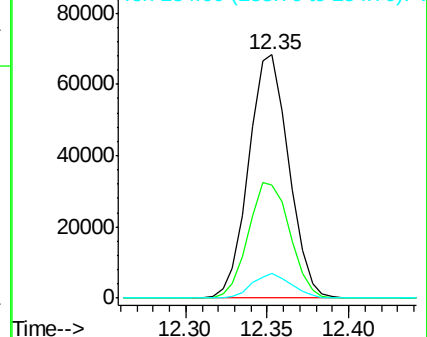
254 9.8 8.2 12.2

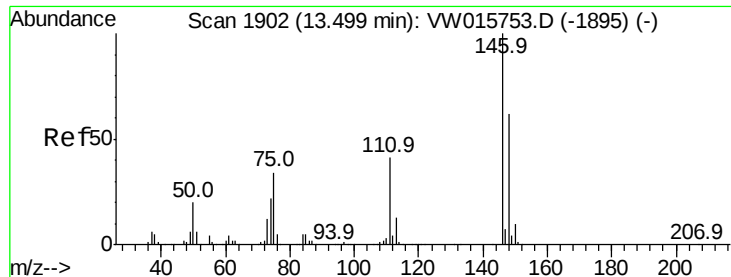


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

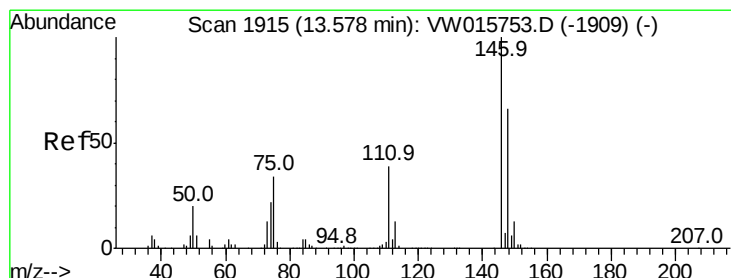
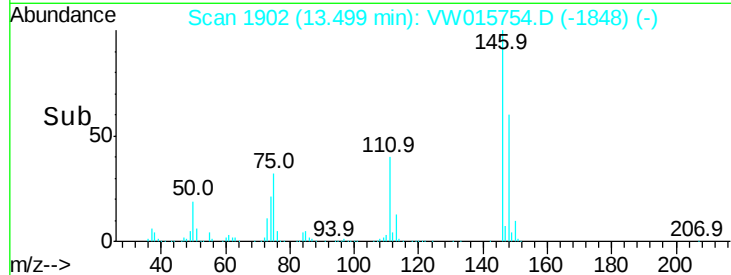
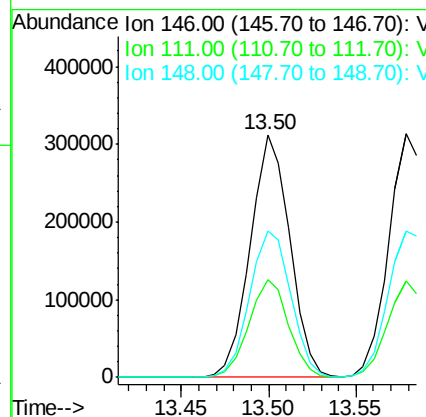
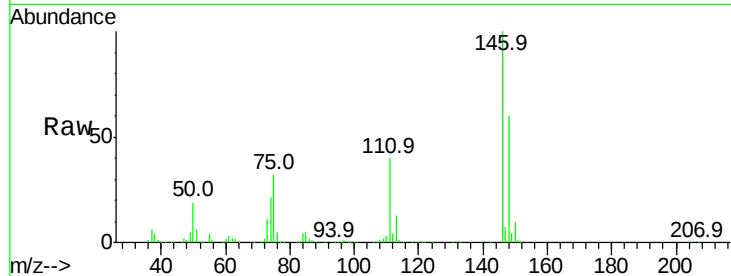




#63
 1,3-Dichlorobenzene
 Concen: 46.977 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

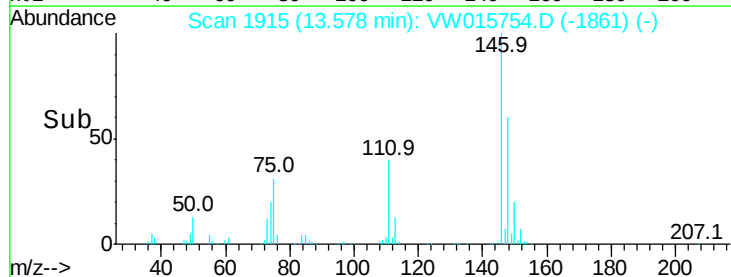
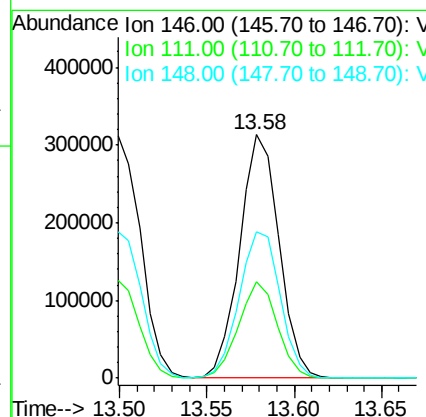
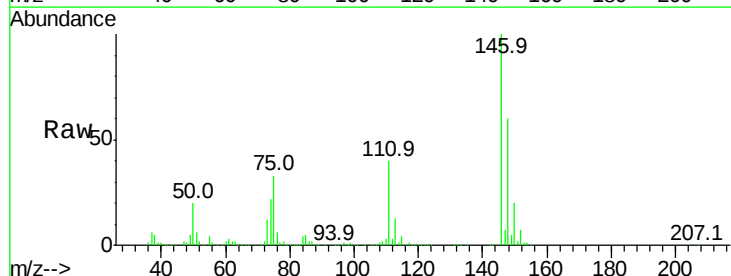
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

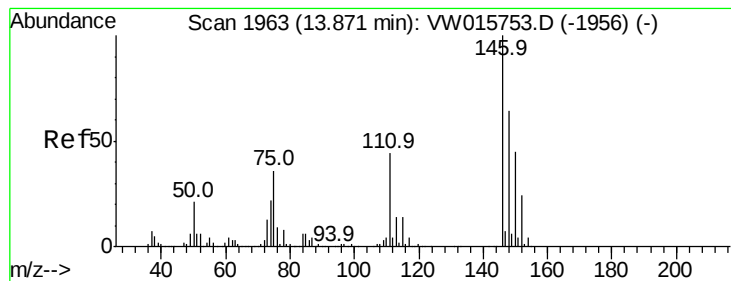
Tgt Ion:146 Resp: 490889
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.8 53.6
 148 60.1 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 47.768 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Tgt Ion:146 Resp: 489091
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.8 51.6
 148 59.9 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 48.744 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

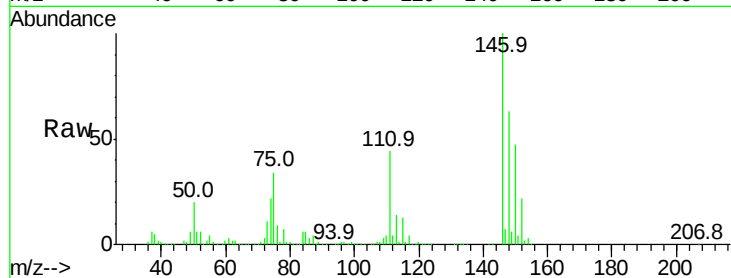
Tgt Ion:146 Resp: 442627

Ion Ratio Lower Upper

146 100

111 43.5 35.5 53.3

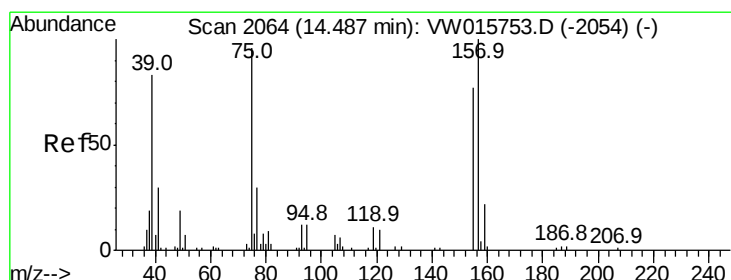
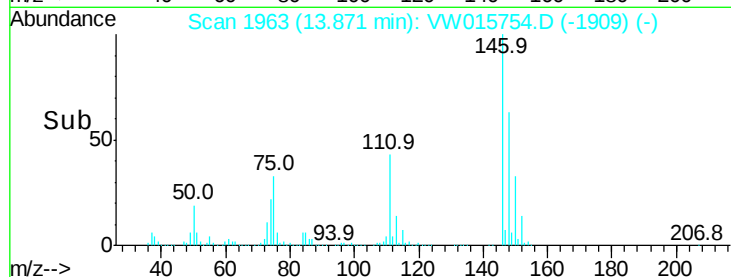
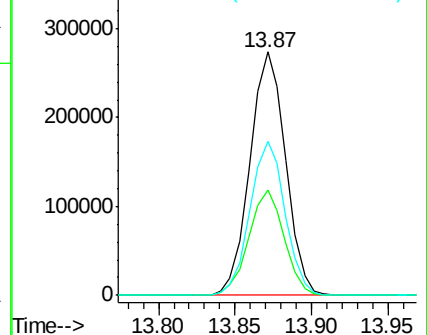
148 63.2 51.4 77.2



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: 50.534 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

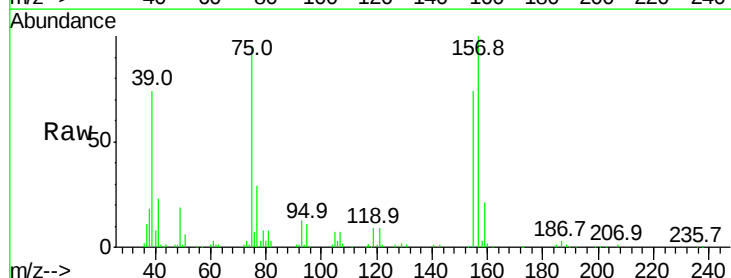
Tgt Ion: 75 Resp: 34811

Ion Ratio Lower Upper

75 100

157 105.3 83.2 124.8

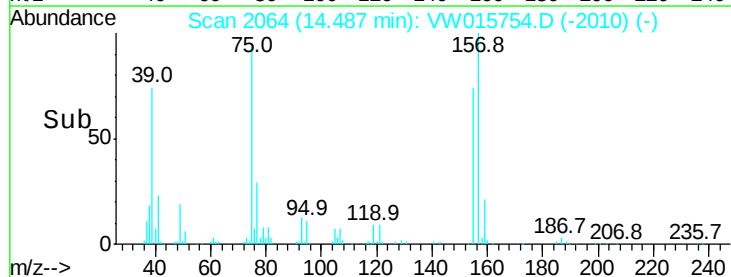
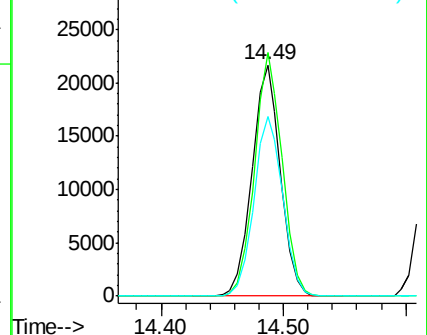
155 77.8 64.2 96.4

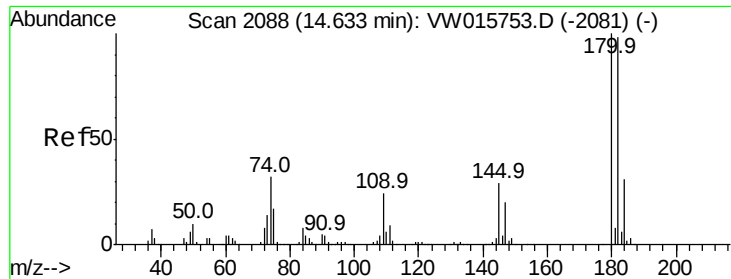


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

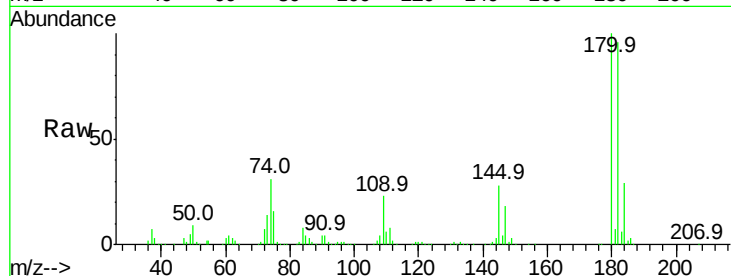




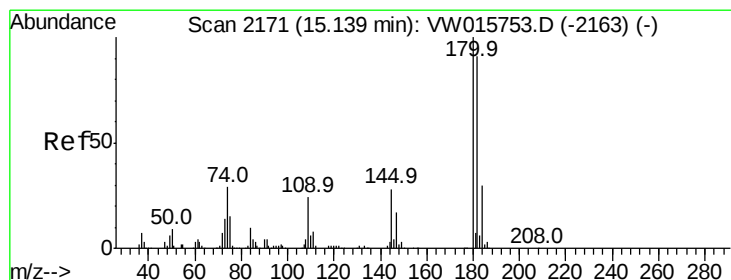
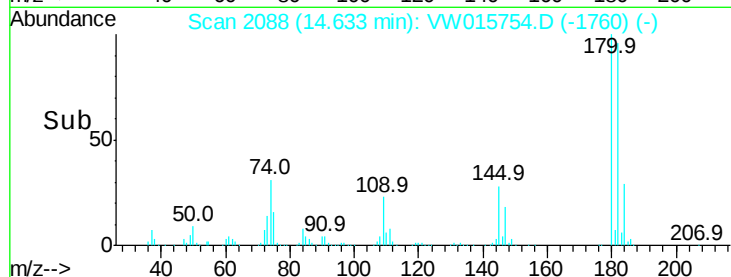
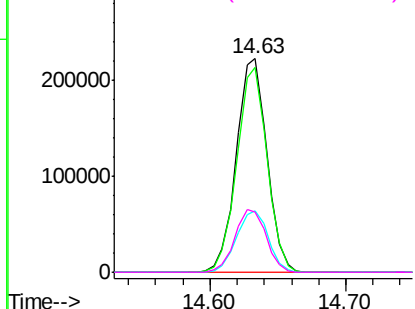
#67
 1,3,5-Trichlorobenzene
 Concen: 48.133 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05001

Tgt Ion:180 Resp: 348219
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 184 29.8 24.2 36.2
 145 29.8 23.8 35.6

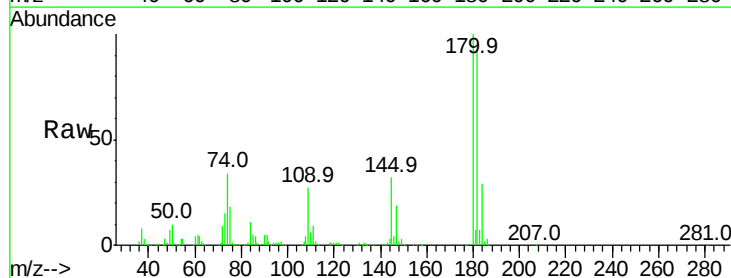


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

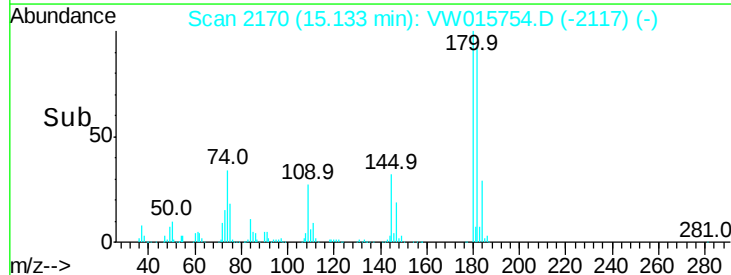
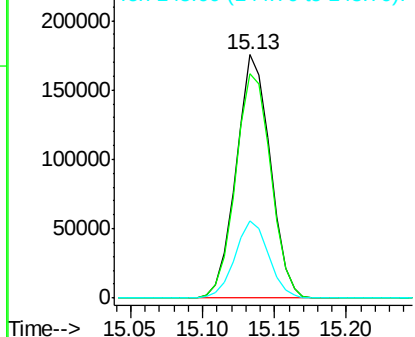


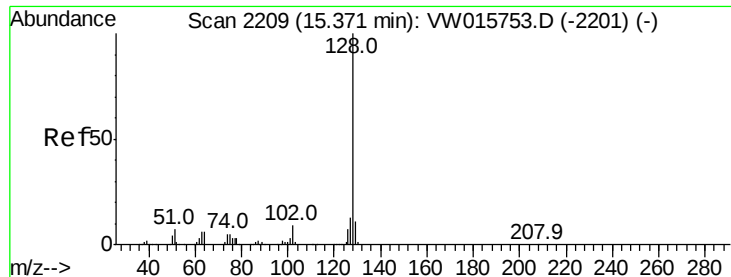
#68
 1,2,4-trichlorobenzene
 Concen: 49.415 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015754.D
 Acq: 29 Jun 2020 10:54

Tgt Ion:180 Resp: 287930
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.5 113.3
 145 31.4 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: 56.133 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

Instrument :

MSVOA_W

ClientSampled :

VSTD05001

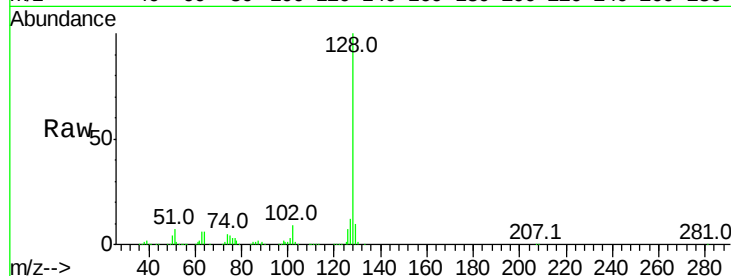
Tgt Ion:128 Resp: 593882

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

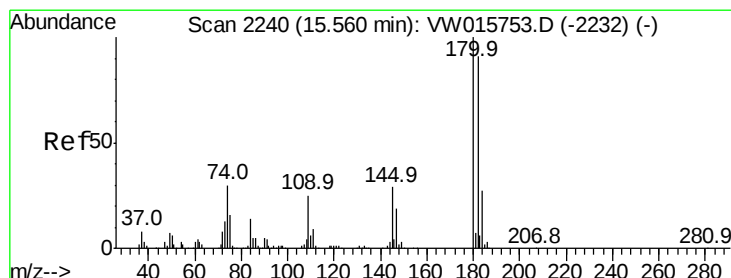
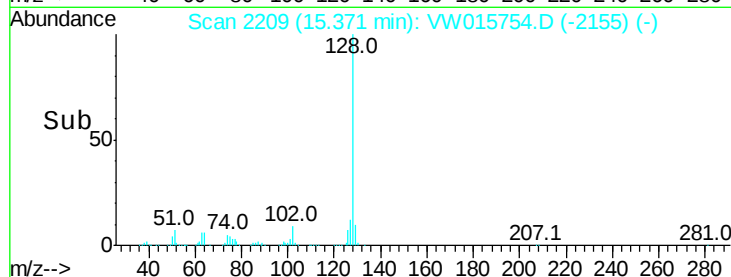
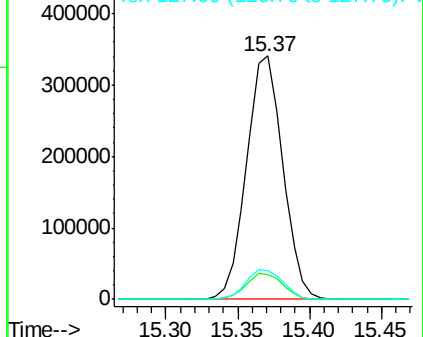
127 12.6 10.6 16.0



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: 51.923 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015754.D

Acq: 29 Jun 2020 10:54

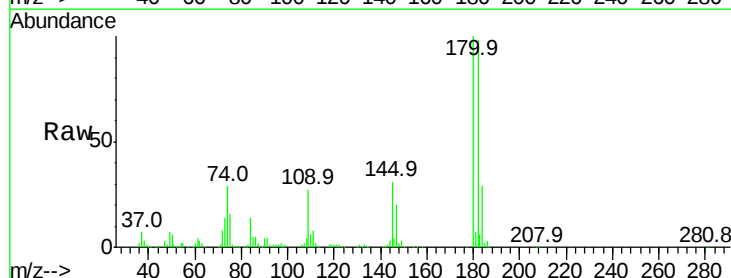
Tgt Ion:180 Resp: 257386

Ion Ratio Lower Upper

180 100

182 96.3 75.5 113.3

145 32.5 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

