

Data File : VW015466.D
Acq On : 26 May 2020 10:53
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Quant Time: May 26 11:55:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 10:35:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	366397	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334942	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161989	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	84560	18.45	ug/L	0.00
7) Chloroethane-d5	2.90	69	85125	19.26	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	205820	22.08	ug/L	0.00
20) 2-Butanone-d5	7.08	46	53763	43.91	ug/L	0.00
24) Chloroform-d	7.65	84	215754	23.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	118077	23.02	ug/L	0.00
29) Benzene-d6	8.27	84	414498	22.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	126988	22.86	ug/L	0.00
37) Toluene-d8	10.32	98	406089	23.04	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	57381	22.70	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	43799	42.69	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93449	22.34	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	136507	24.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	81940	25.483	ug/L	99
3) Chloromethane	2.22	50	81491	23.684	ug/L	100
5) Vinyl chloride	2.37	62	133195	24.915	ug/L	97
6) Bromomethane	2.79	94	86619	23.550	ug/L	100
8) Chloroethane	2.93	64	82045	22.961	ug/L	99
9) Trichlorofluoromethane	3.27	101	94417	24.226	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	112159	25.829	ug/L	98
12) 1,1-Dichloroethene	4.04	96	108095	24.597	ug/L	90
13) Acetone	4.12	43	42233	45.548	ug/L	100
14) Carbon disulfide	4.38	76	364303	26.688	ug/L	99
15) Methyl Acetate	4.68	43	45061	22.219	ug/L	99
16) Methylene chloride	4.92	84	108790	20.732	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	169588	23.736	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	117185	24.743	ug/L	98
19) 1,1-Dichloroethane	6.22	63	210091	23.553	ug/L	99
21) 2-Butanone	7.18	43	60532	43.423	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	121723	23.847	ug/L	98
23) Bromochloromethane	7.52	128	52010	24.447	ug/L	98
25) Chloroform	7.68	83	212254	24.069	ug/L	100
27) 1,2-Dichloroethane	8.40	62	142617	23.767	ug/L	99
30) Cyclohexane	7.96	56	206961	23.622	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	187869	24.993	ug/L	99
32) Carbon tetrachloride	8.07	117	172933	25.280	ug/L	99
34) Benzene	8.33	78	467167	23.840	ug/L	100
35) Trichloroethene	9.09	95	125235	23.849	ug/L	98
36) Methylcyclohexane	9.34	83	226742	24.318	ug/L	98
40) 1,2-Dichloropropane	9.37	63	114875	23.457	ug/L	99
41) Bromodichloromethane	9.65	83	154055	23.832	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	185517	23.459	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	128861	39.274	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	511210	23.870	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	160226	23.249	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	79364	23.116	ug/L	97
47) Tetrachloroethene	10.87	164	100326	25.468	ug/L	98
49) 2-Hexanone	10.97	43	89562	43.323	ug/L	98
50) Dibromochloromethane	11.13	129	98200	23.643	ug/L	98
51) 1,2-Dibromoethane	11.24	107	76927	23.480	ug/L	98
52) Chlorobenzene	11.66	112	320288	23.705	ug/L	98
53) Ethylbenzene	11.73	91	586861	23.496	ug/L	99
54) m,p-Xylene	11.84	106	220760	23.658	ug/L	98
55) o-xylene	12.17	106	212660	23.689	ug/L	97
56) Styrene	12.18	104	363233	23.698	ug/L	99
57) Isopropylbenzene	12.46	105	587242	23.681	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	91544	22.415	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68521	22.090	ug/L	100
62) Bromoform	12.35	173	55710	23.286	ug/L	95
63) 1,3-Dichlorobenzene	13.50	146	250088	24.279	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	244233	23.817	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	219100	24.181	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15733	21.542	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	176748	24.955	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	144620	24.730	ug/L	98
69) Naphthalene	15.37	128	259844	23.677	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	123041	24.421	ug/L	100

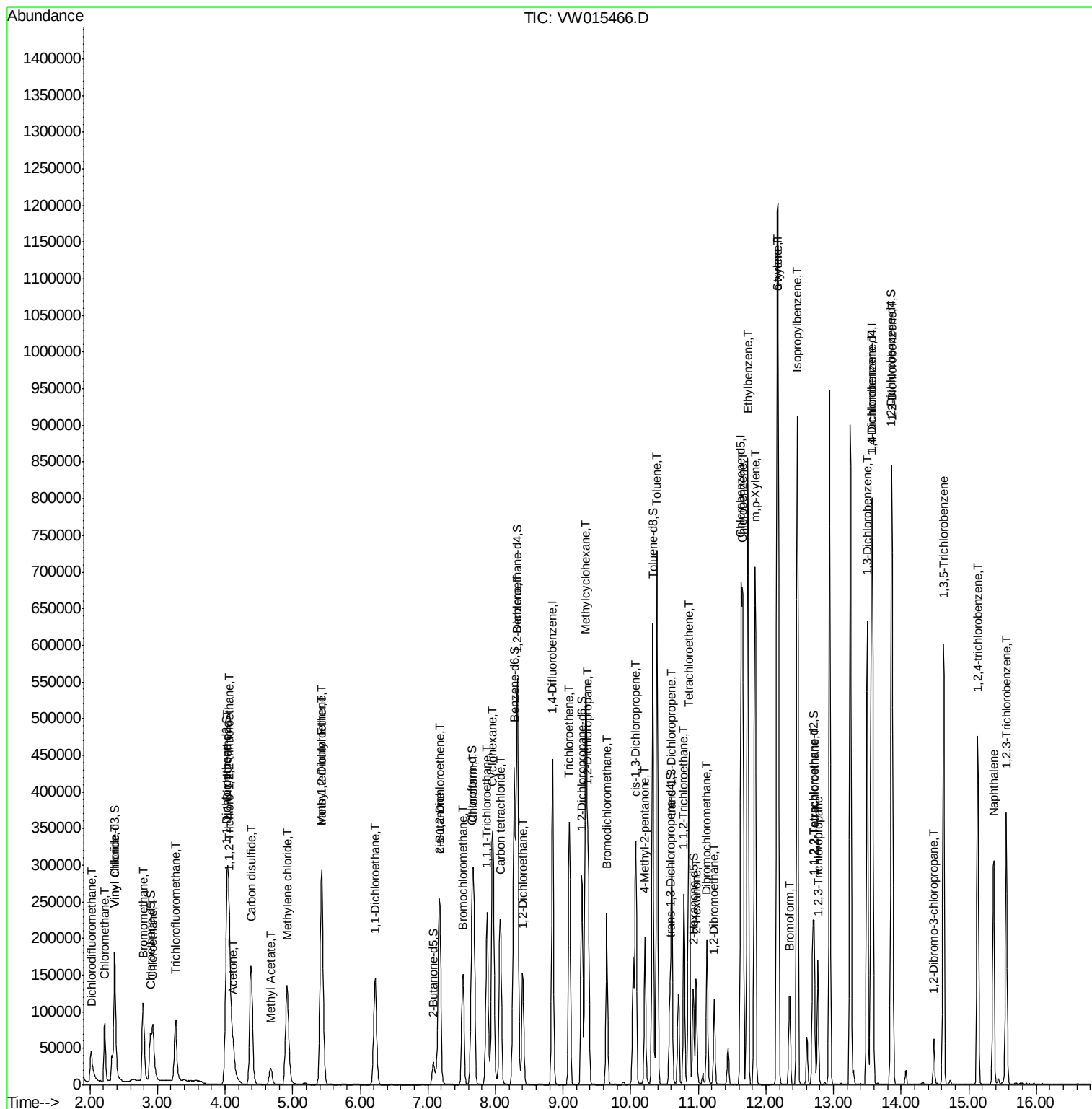
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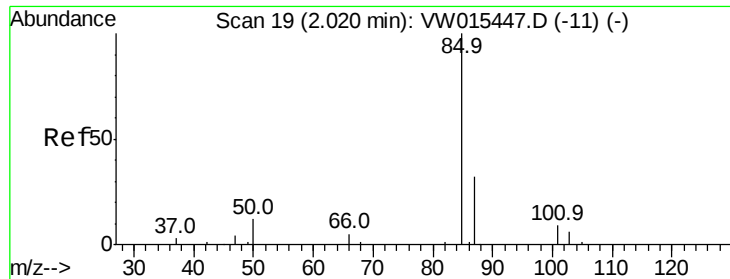
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#2

Dichlorodifluoromethane

Concen: 25.483 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampled :

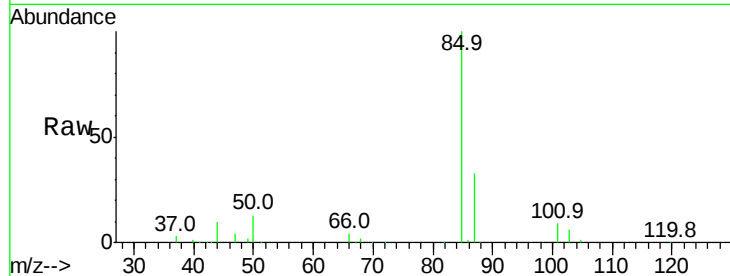
VSTD02505

Tgt Ion: 85 Resp: 81940

Ion Ratio Lower Upper

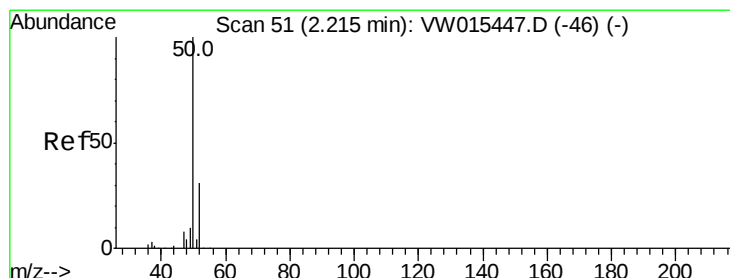
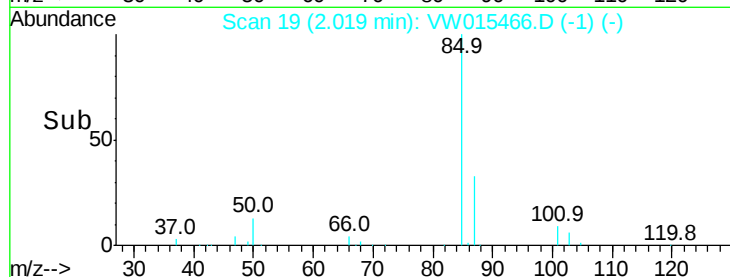
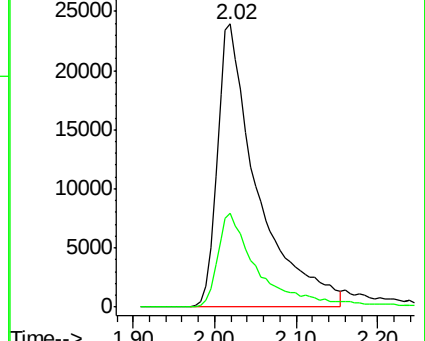
85 100

87 30.1 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.684 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015466.D

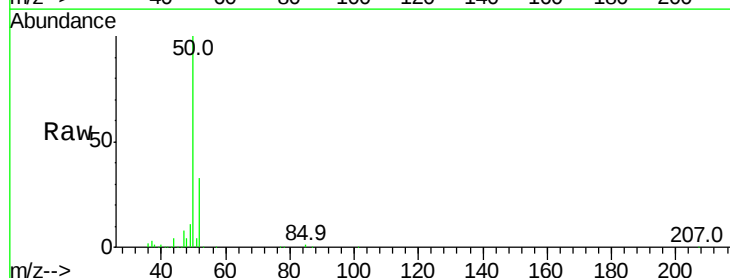
Acq: 26 May 2020 10:53

Tgt Ion: 50 Resp: 81491

Ion Ratio Lower Upper

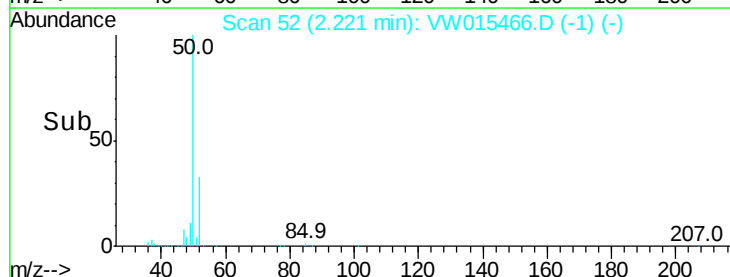
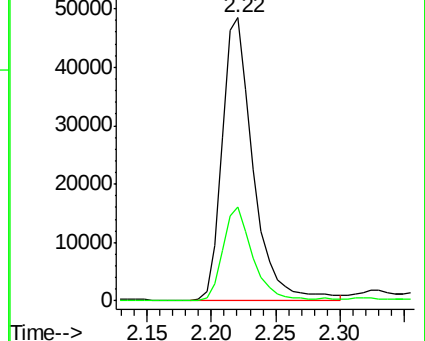
50 100

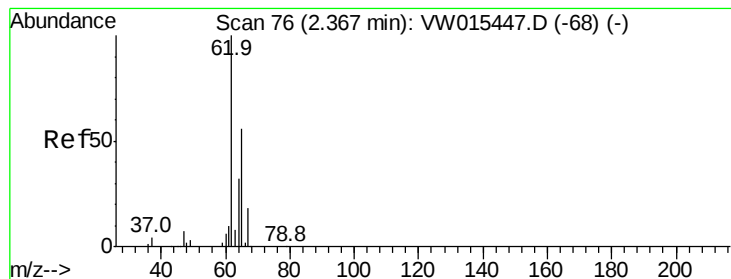
52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.915 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

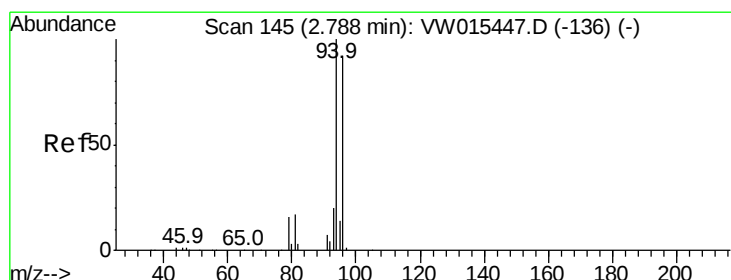
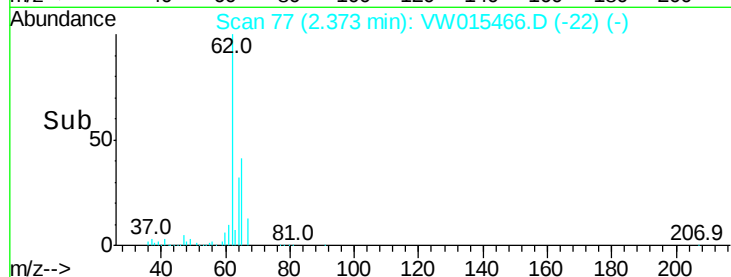
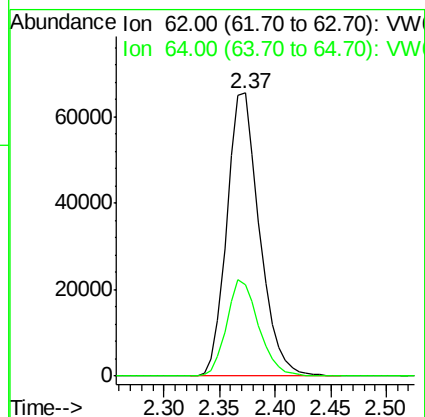
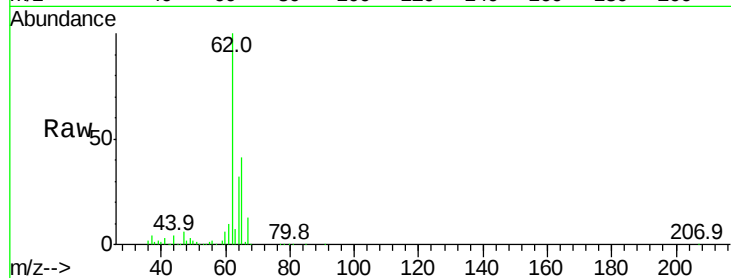
VSTD02505

Tgt Ion: 62 Resp: 133195

Ion Ratio Lower Upper

62 100

64 32.3 23.7 44.1



#6

Bromomethane

Concen: 23.550 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015466.D

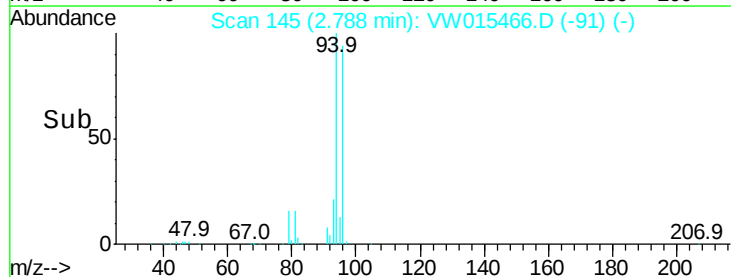
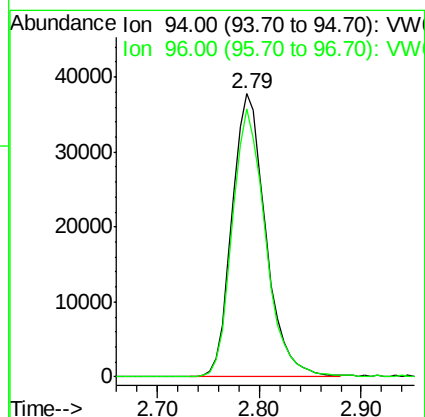
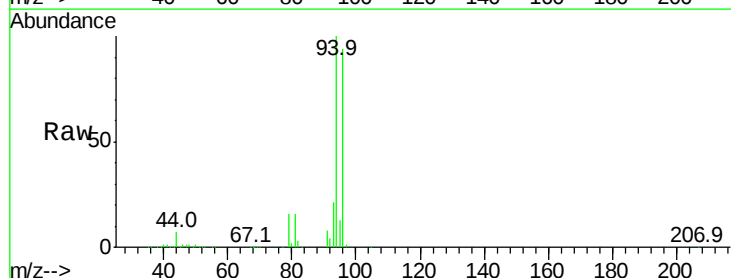
Acq: 26 May 2020 10:53

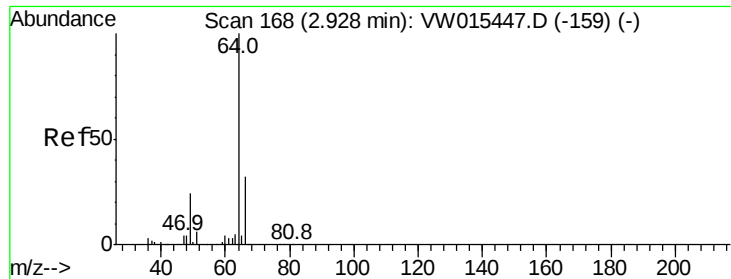
Tgt Ion: 94 Resp: 86619

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.7





#8

Chloroethane

Concen: 22.961 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

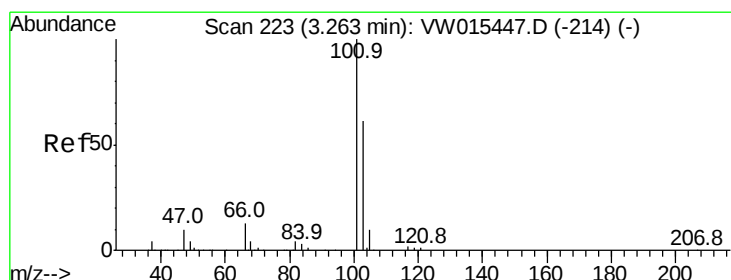
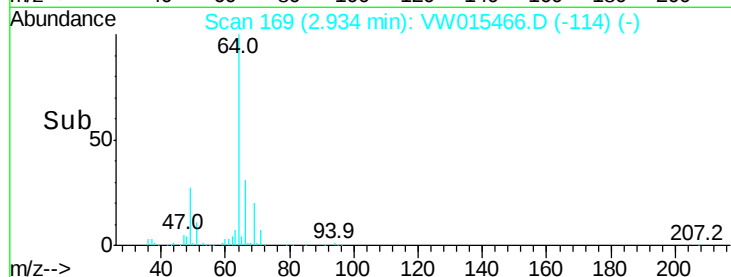
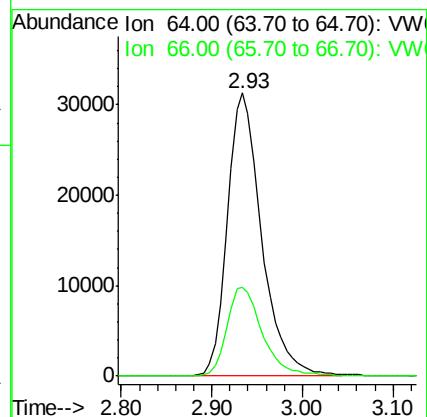
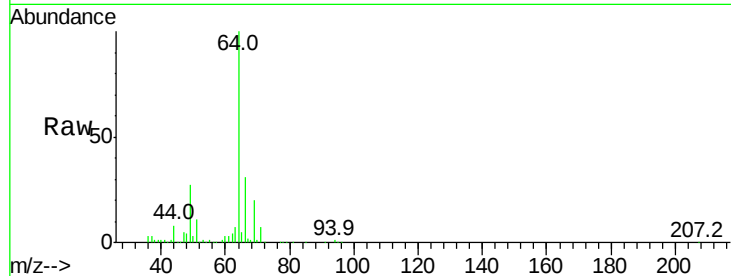
VSTD02505

Tgt Ion: 64 Resp: 82045

Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.3



#9

Trichlorofluoromethane

Concen: 24.226 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015466.D

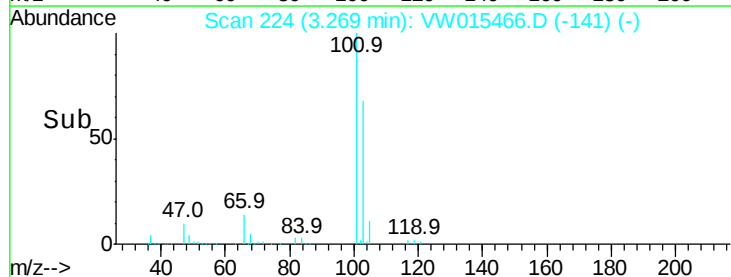
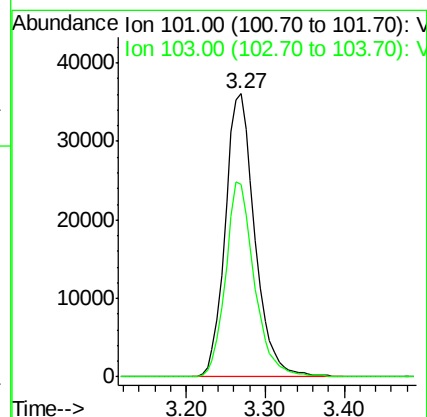
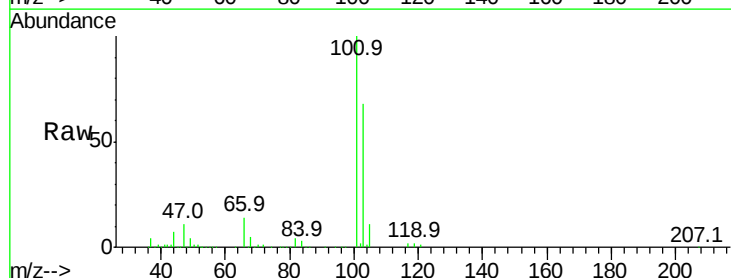
Acq: 26 May 2020 10:53

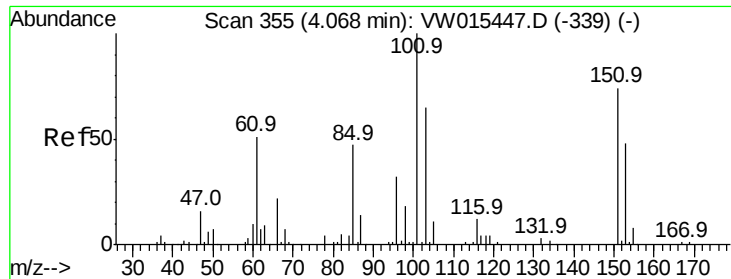
Tgt Ion: 101 Resp: 94417

Ion Ratio Lower Upper

101 100

103 66.6 45.5 84.5





#11

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

Concen: 25.829 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

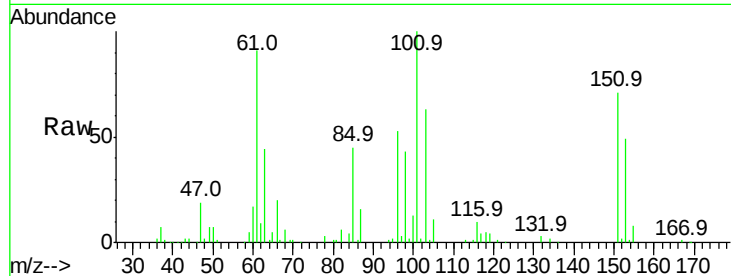
Tgt Ion:101 Resp: 112159

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

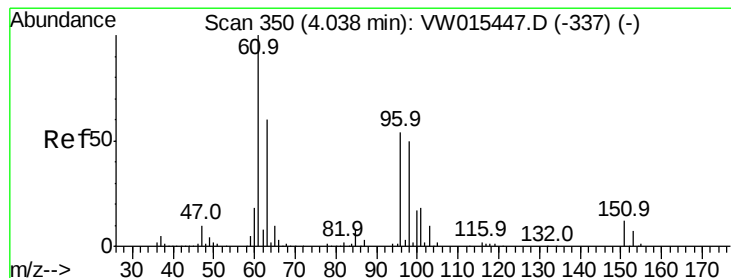
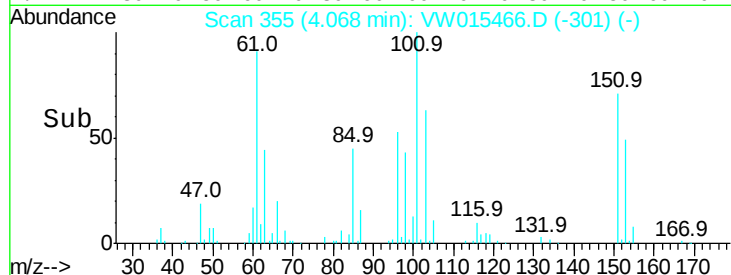
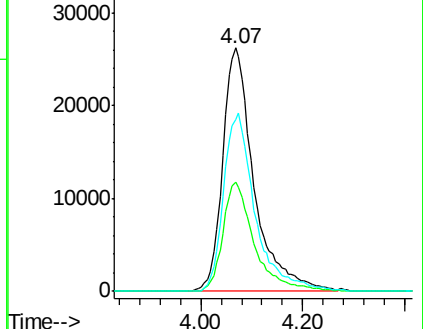
151 73.2 57.1 85.7



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: 24.597 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

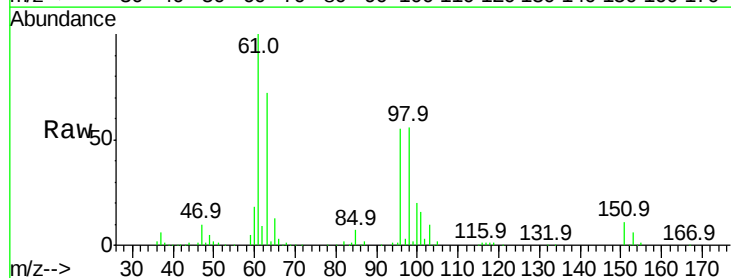
Tgt Ion: 96 Resp: 108095

Ion Ratio Lower Upper

96 100

61 182.4 135.9 252.5

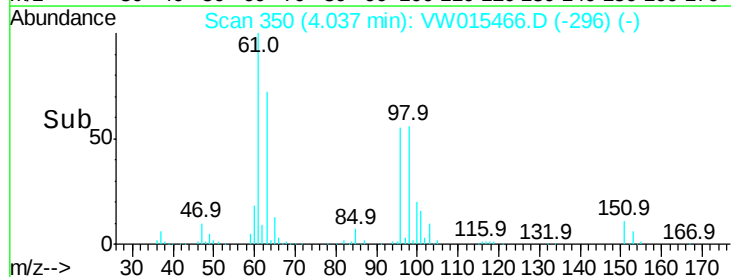
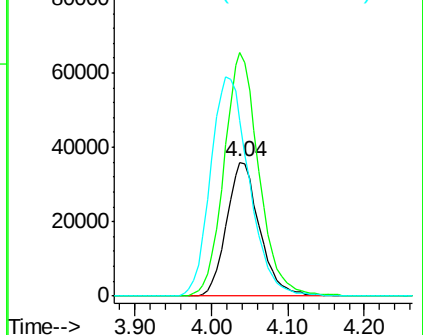
63 131.9 104.4 194.0

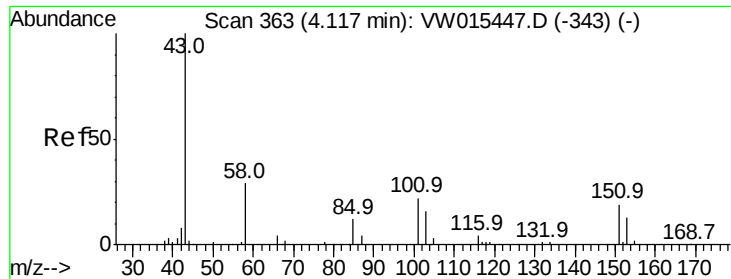


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.548 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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ClientSampleId :

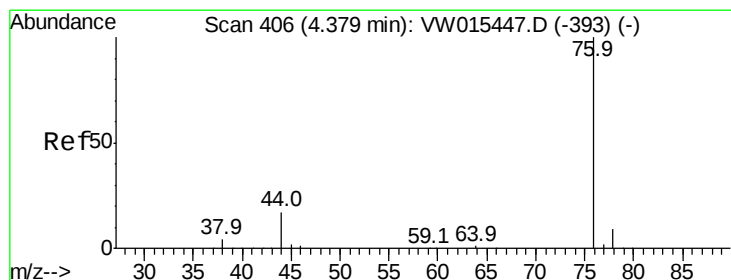
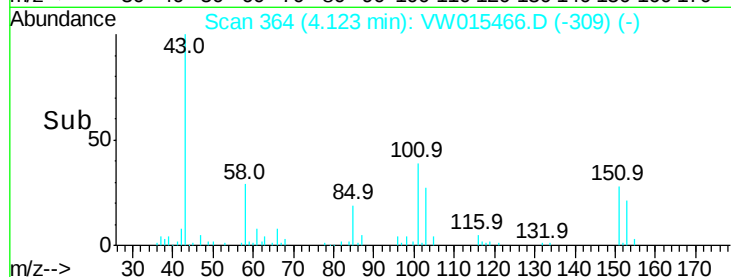
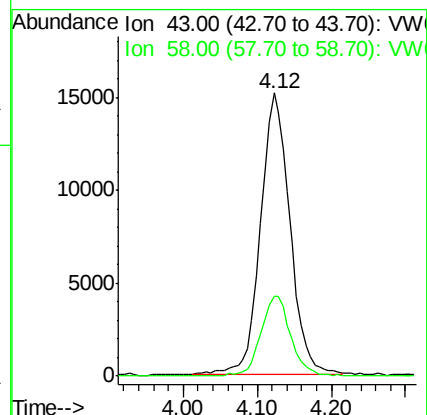
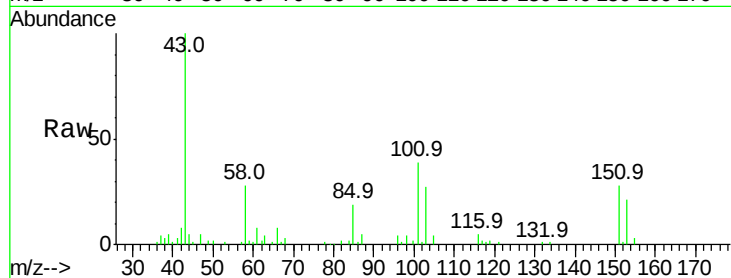
VSTD02505

Tgt Ion: 43 Resp: 42233

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.0



#14

Carbon disulfide

Concen: 26.688 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015466.D

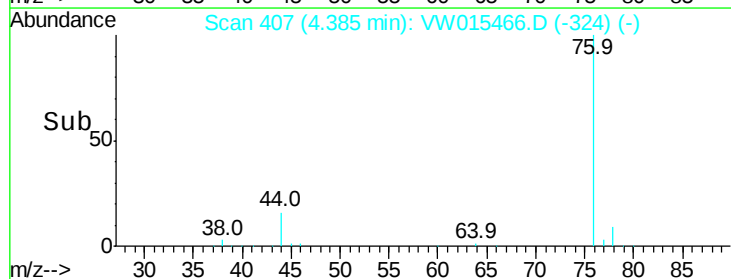
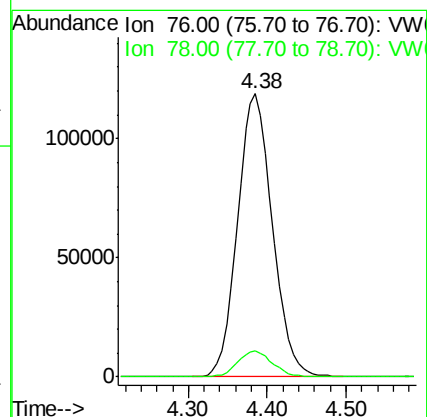
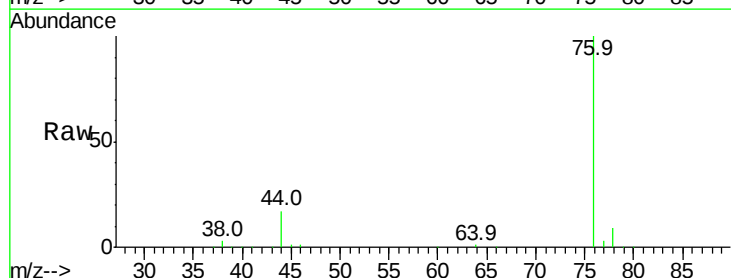
Acq: 26 May 2020 10:53

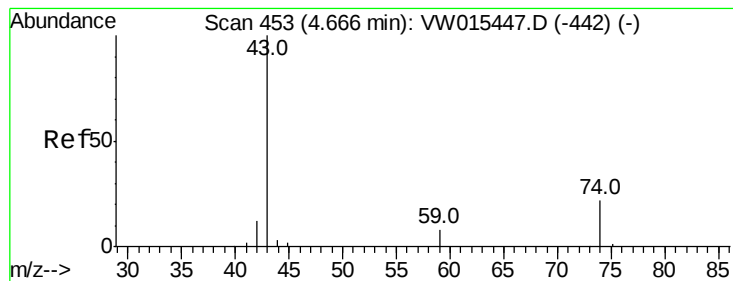
Tgt Ion: 76 Resp: 364303

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4





#15

Methyl Acetate

Concen: 22.219 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

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Acq: 26 May 2020 10:53

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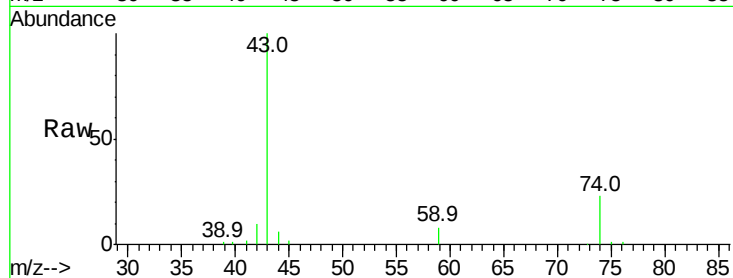
VSTD02505

Tgt Ion: 43 Resp: 45061

Ion Ratio Lower Upper

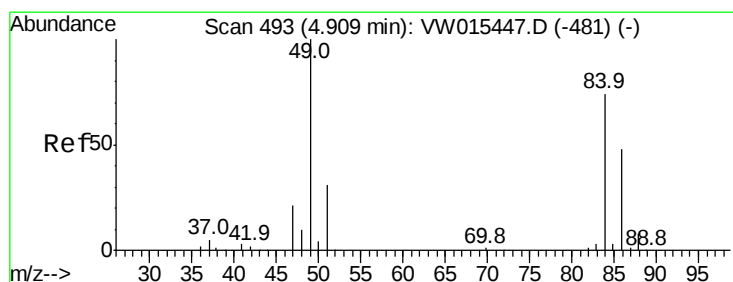
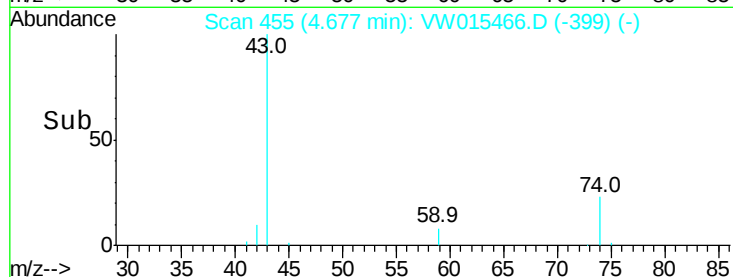
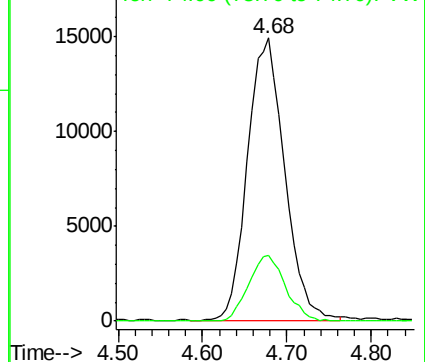
43 100

74 22.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 20.732 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

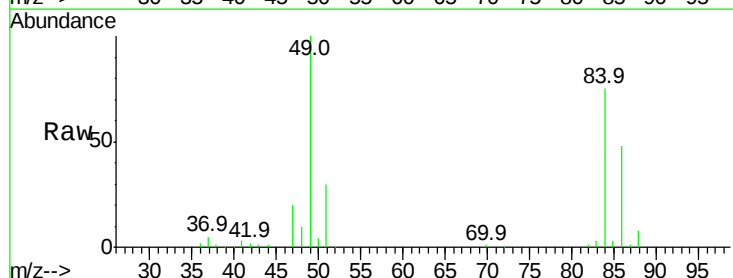
Tgt Ion: 84 Resp: 108790

Ion Ratio Lower Upper

84 100

49 132.9 91.6 170.2

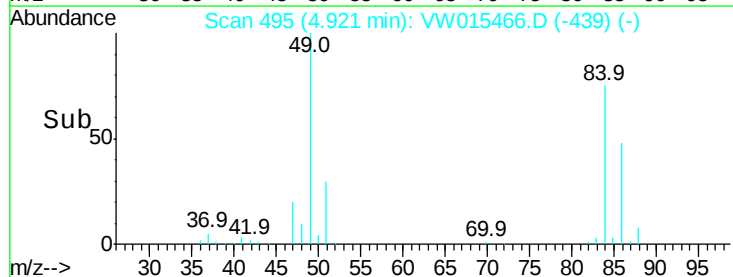
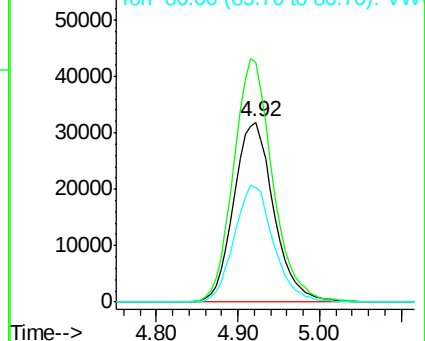
86 63.9 44.0 81.8

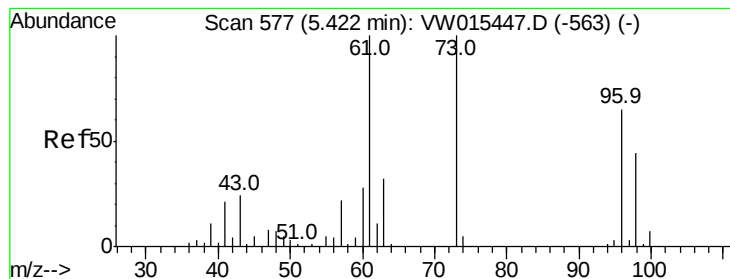


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 23.736 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

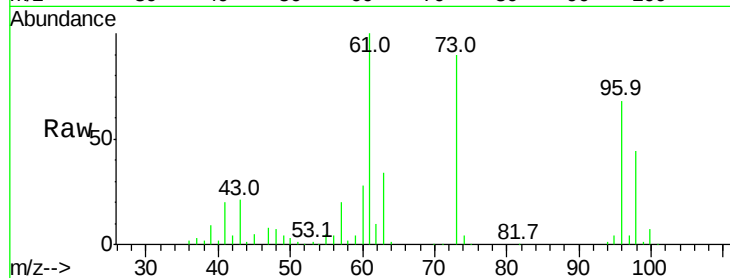
Tgt Ion: 73 Resp: 169588

Ion Ratio Lower Upper

73 100

43 24.5 19.3 28.9

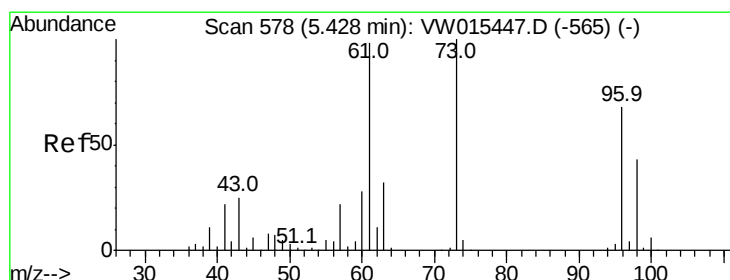
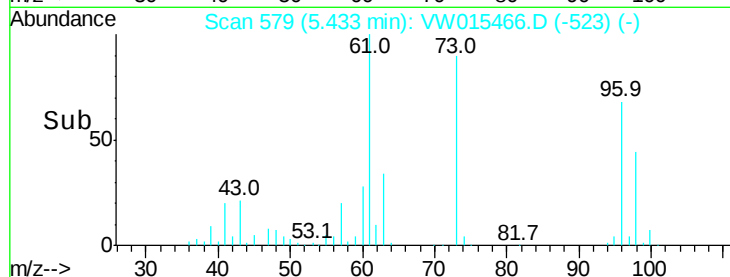
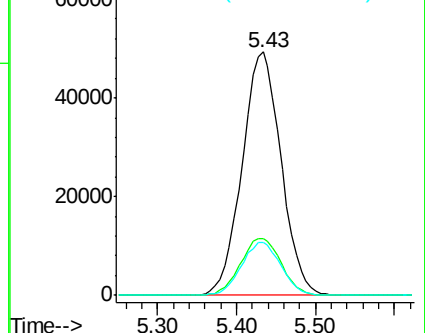
57 22.1 18.1 27.1



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: 24.743 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

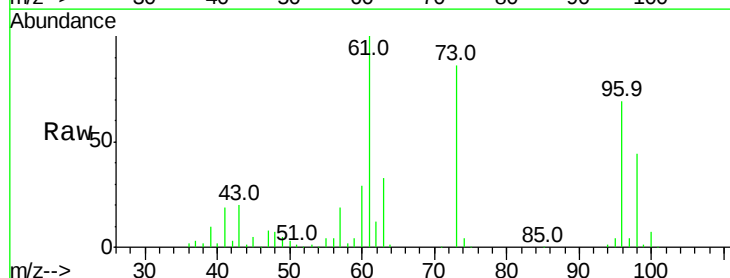
Tgt Ion: 96 Resp: 117185

Ion Ratio Lower Upper

96 100

61 145.6 101.1 187.7

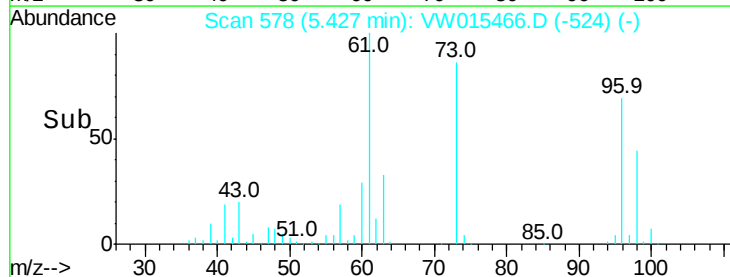
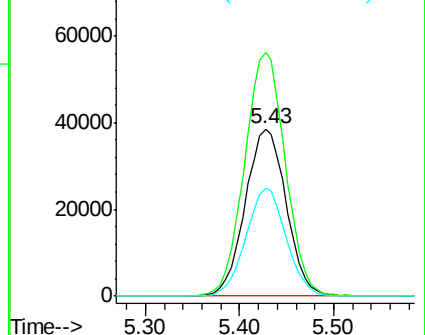
98 64.2 42.4 78.8

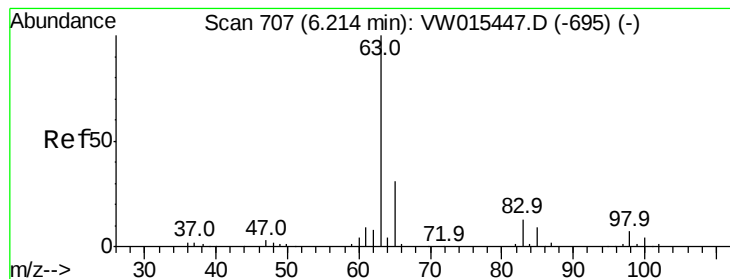


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.553 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

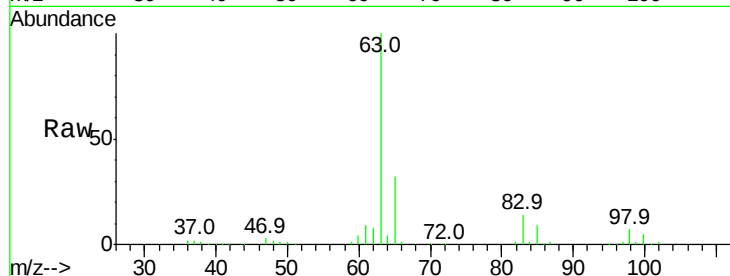
Tgt Ion: 63 Resp: 210091

Ion Ratio Lower Upper

63 100

65 31.6 22.6 42.0

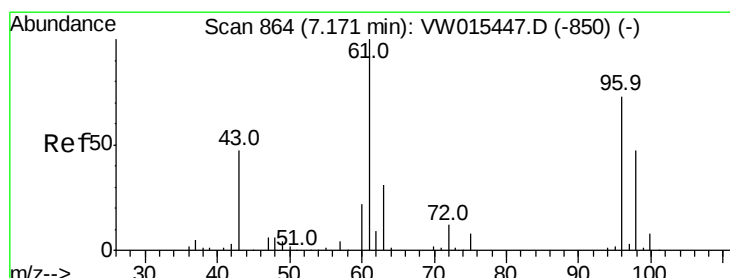
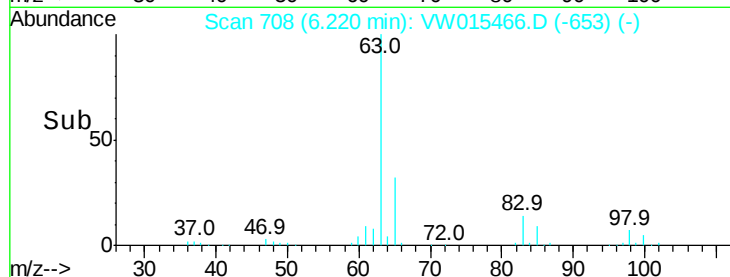
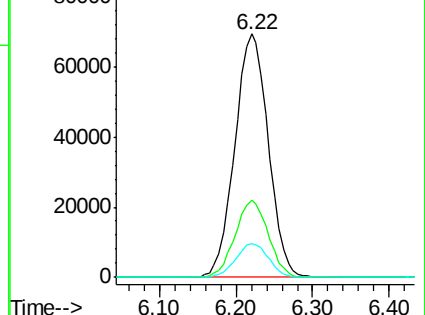
83 13.8 9.1 16.9



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: 43.423 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015466.D

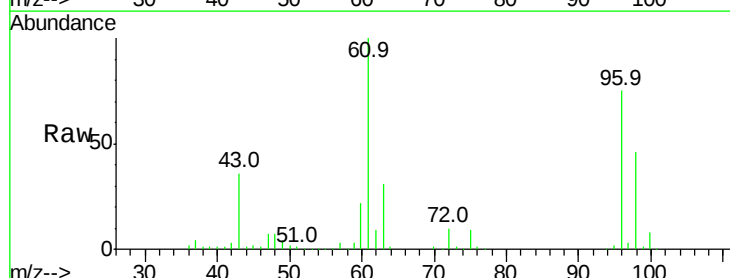
Acq: 26 May 2020 10:53

Tgt Ion: 43 Resp: 60532

Ion Ratio Lower Upper

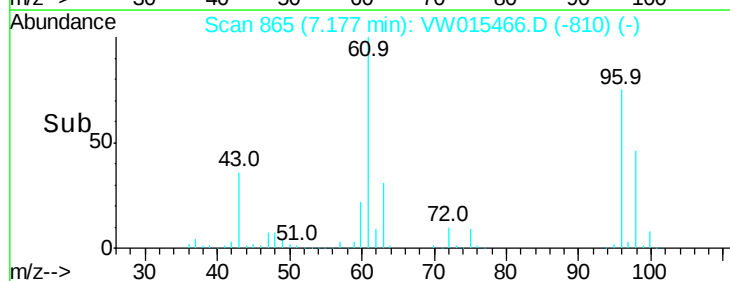
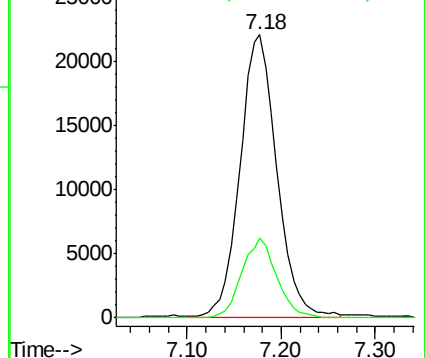
43 100

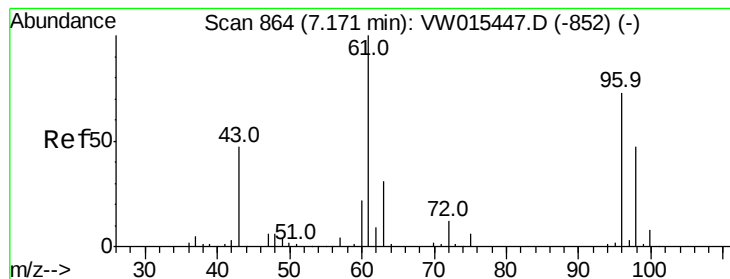
72 26.6 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



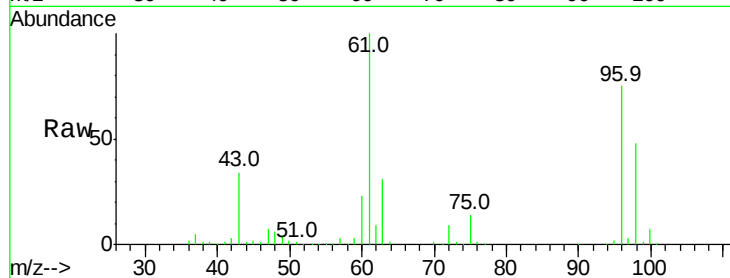


#22

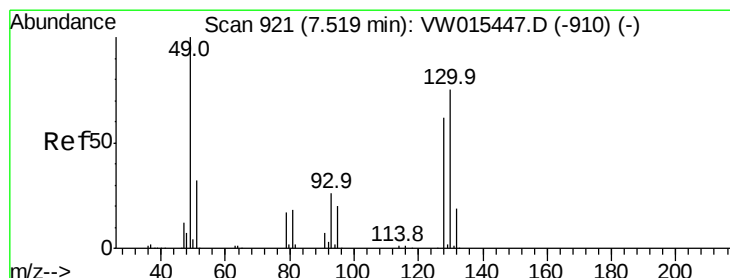
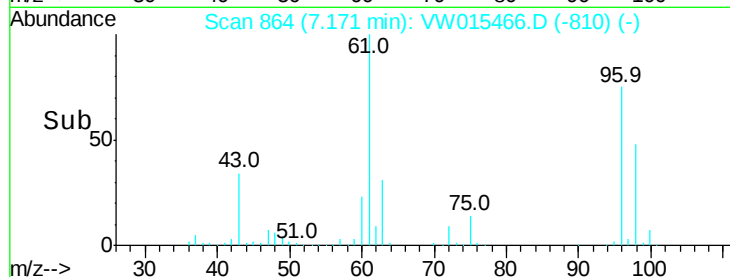
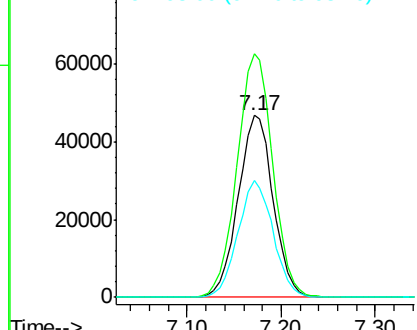
cis-1,2-Dichloroethene
Concen: 23.847 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Tgt Ion: 96 Resp: 121723
Ion Ratio Lower Upper
96 100
61 133.8 95.8 178.0
98 64.5 45.9 85.3



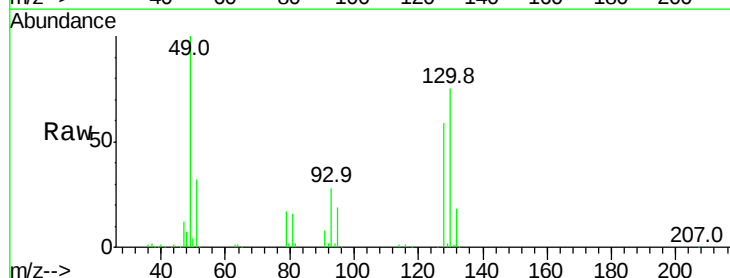
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



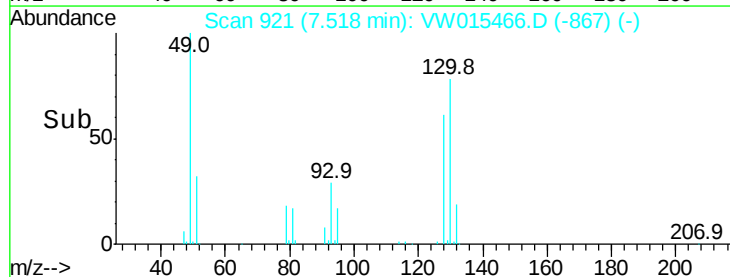
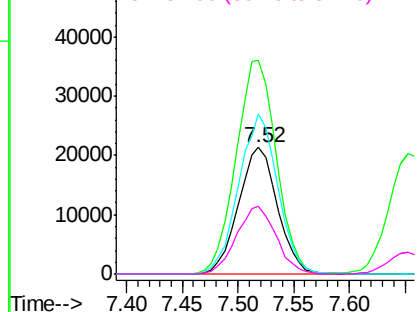
#23

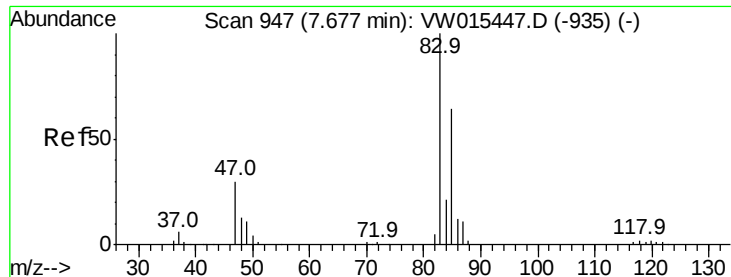
Bromochloromethane
Concen: 24.447 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

Tgt Ion: 128 Resp: 52010
Ion Ratio Lower Upper
128 100
49 168.7 120.2 223.2
130 126.4 86.5 160.7
51 53.5 44.1 66.1



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: 24.069 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

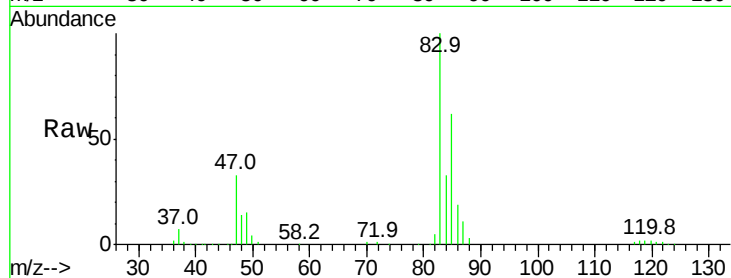
VSTD02505

Tgt Ion: 83 Resp: 212254

Ion Ratio Lower Upper

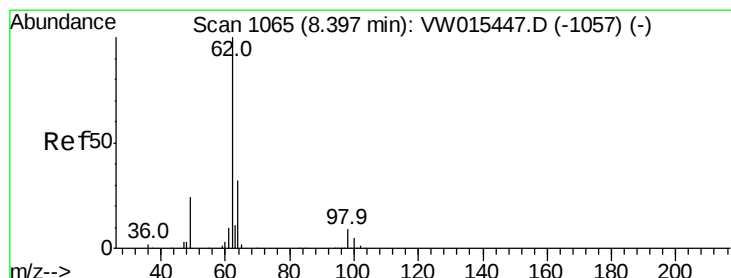
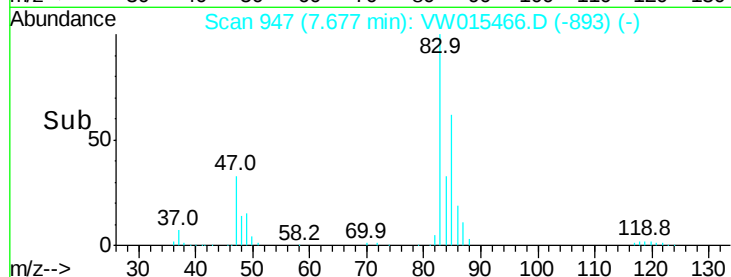
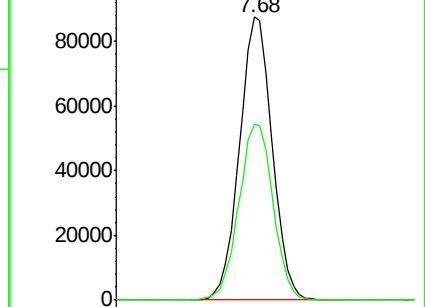
83 100

85 65.3 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.767 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW015466.D

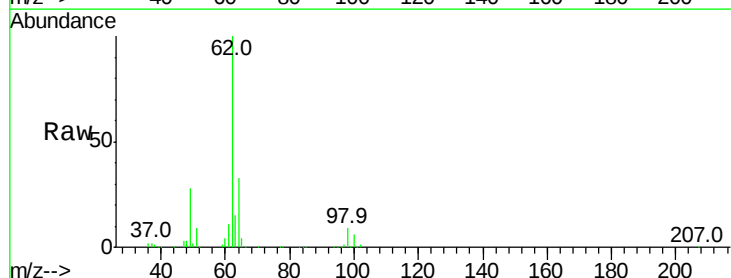
Acq: 26 May 2020 10:53

Tgt Ion: 62 Resp: 142617

Ion Ratio Lower Upper

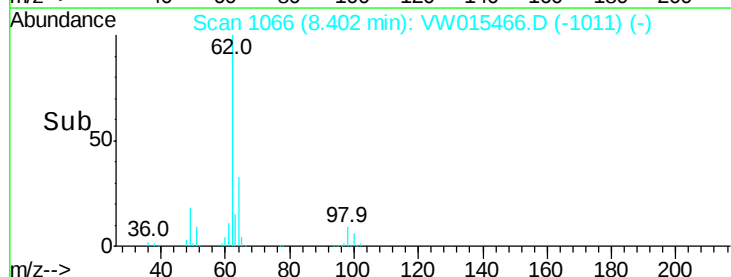
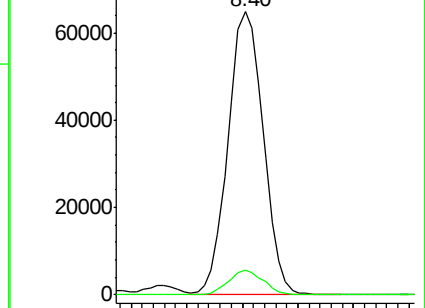
62 100

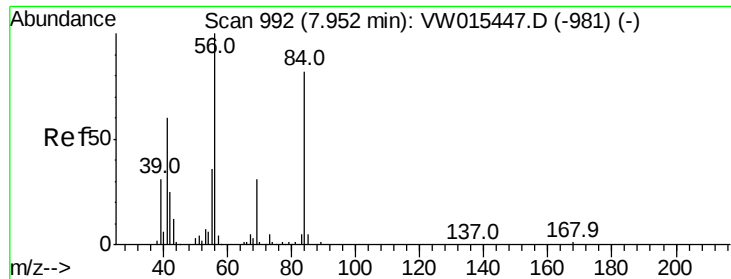
98 8.7 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

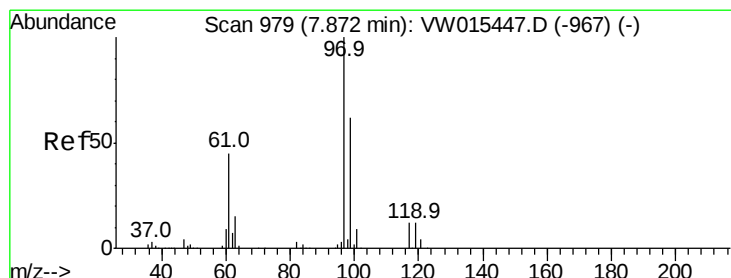
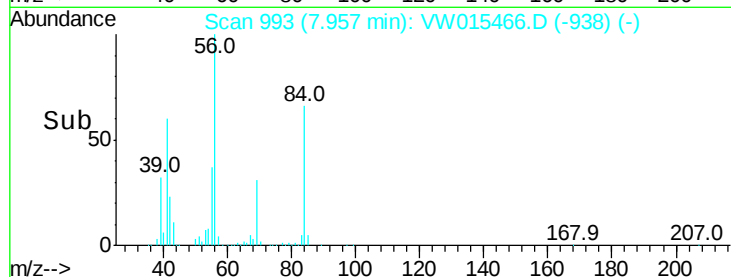
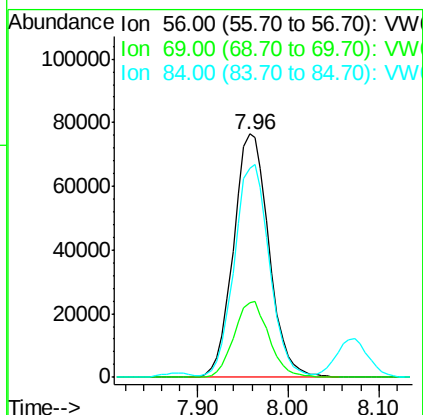
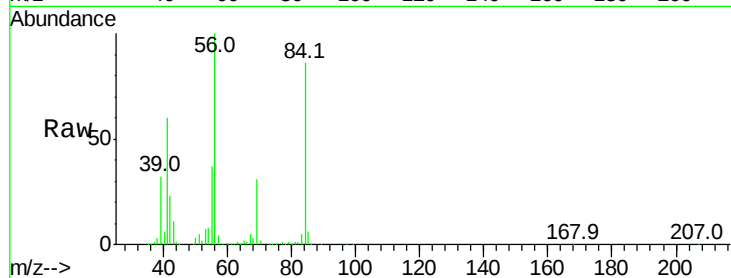




#30
Cyclohexane
Concen: 23.622 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

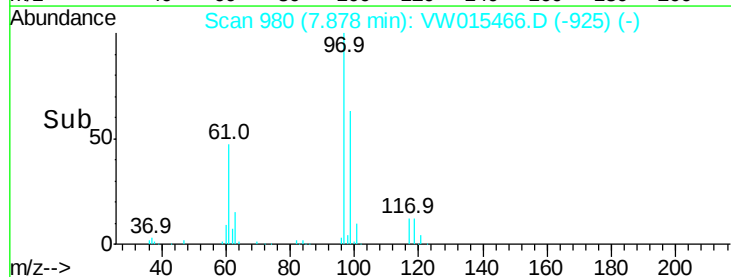
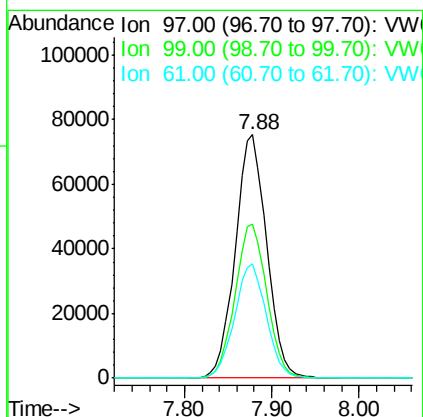
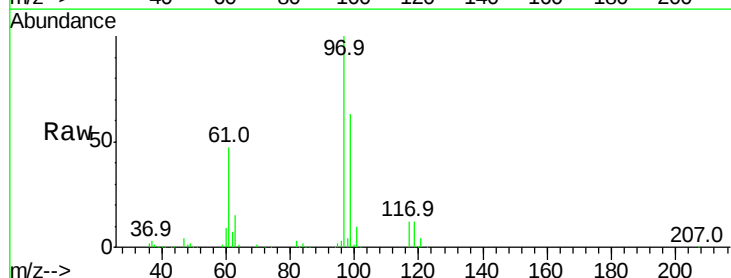
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

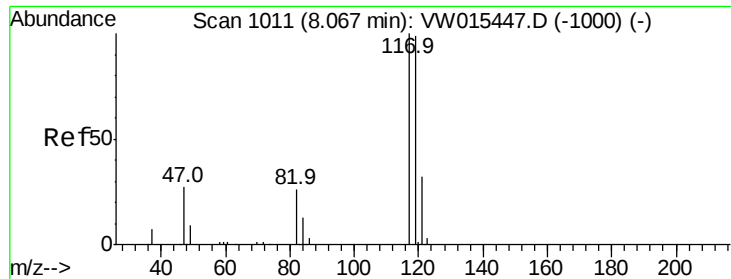
Tgt Ion: 56 Resp: 206961
Ion Ratio Lower Upper
56 100
69 30.8 24.5 36.7
84 87.0 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 24.993 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

Tgt Ion: 97 Resp: 187869
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 47.6 38.6 57.8





#32

Carbon tetrachloride

Concen: 25.280 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

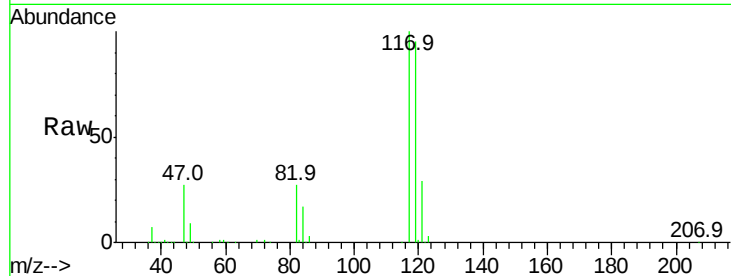
VSTD02505

Tgt Ion:117 Resp: 172933

Ion Ratio Lower Upper

117 100

119 95.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

80000

60000

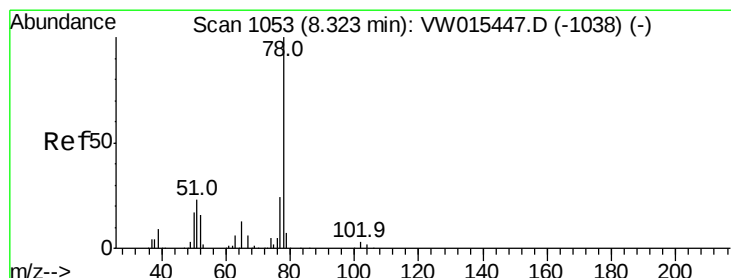
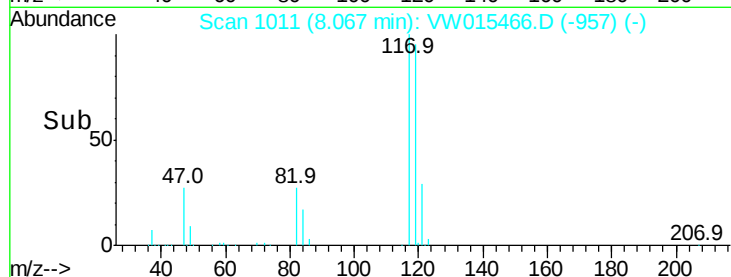
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 23.840 ug/L

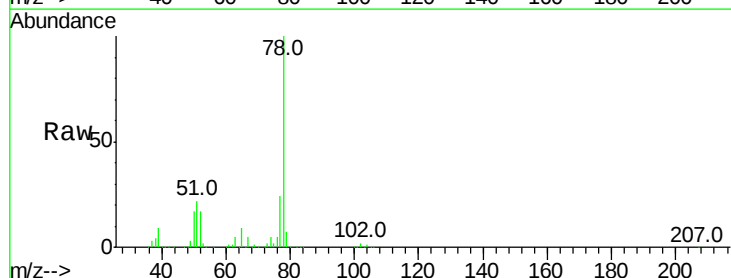
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Tgt Ion: 78 Resp: 467167



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

200000

150000

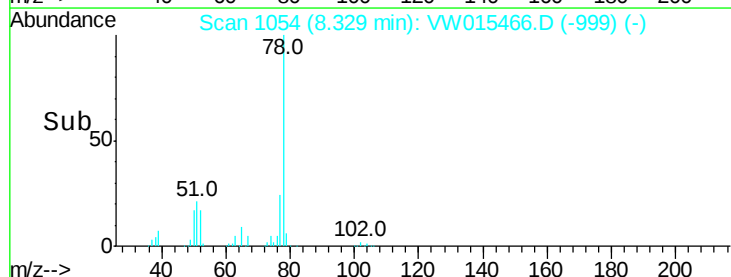
100000

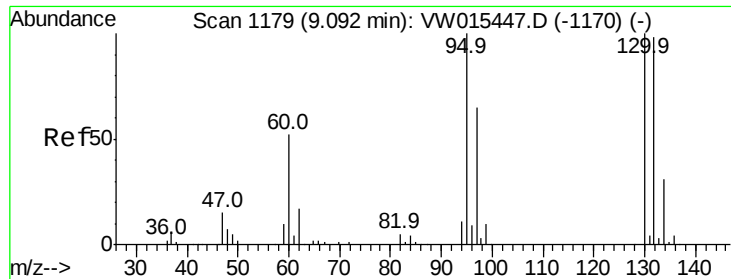
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 23.849 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 95 Resp: 125235

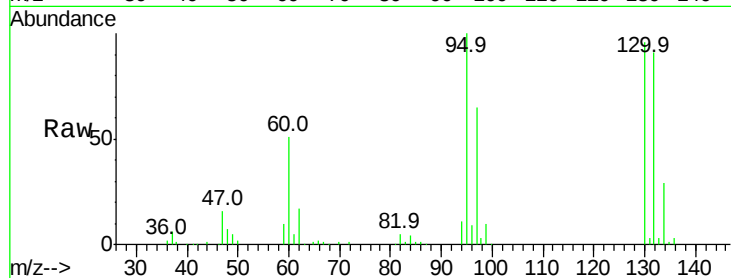
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 95.9 64.5 119.7

130 99.1 68.5 127.3

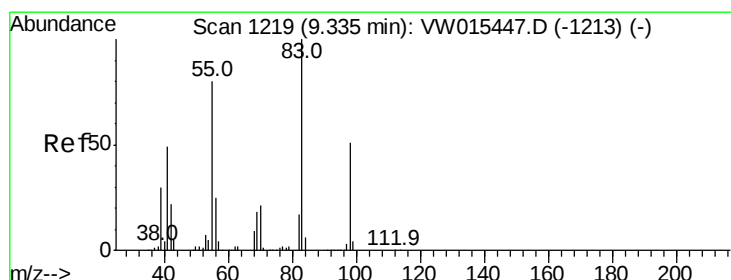
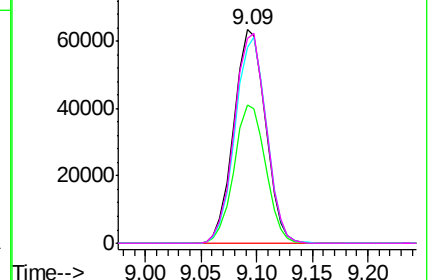
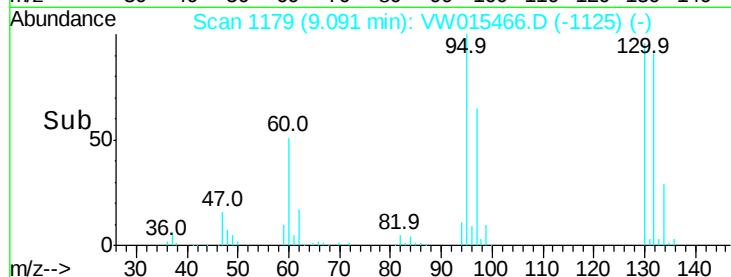


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.318 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

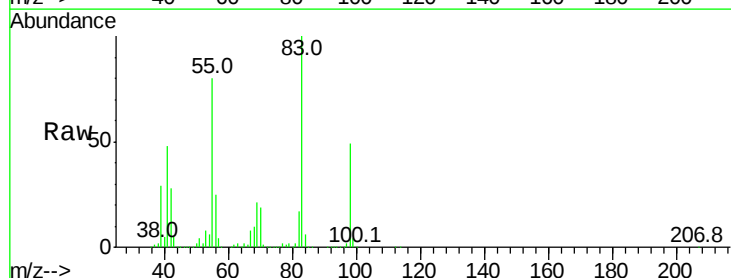
Tgt Ion: 83 Resp: 226742

Ion Ratio Lower Upper

83 100

55 78.5 64.5 96.7

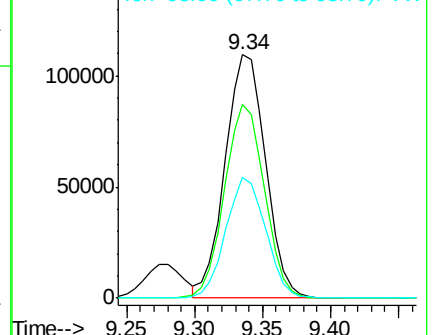
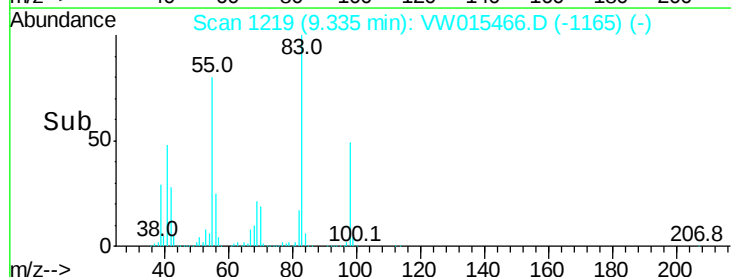
98 49.0 39.8 59.6

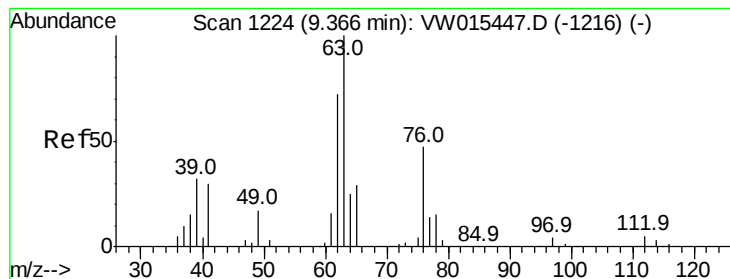


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.457 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

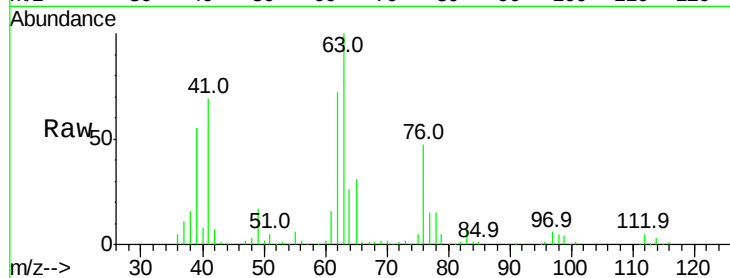
VSTD02505

Tgt Ion: 63 Resp: 114875

Ion Ratio Lower Upper

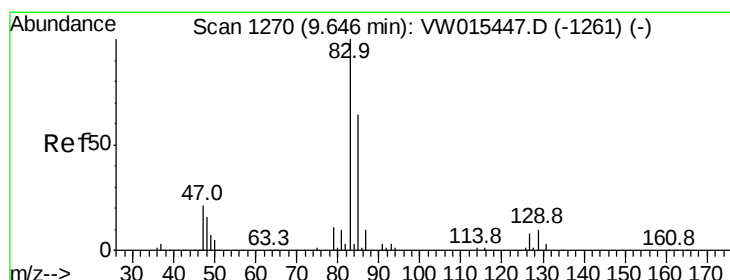
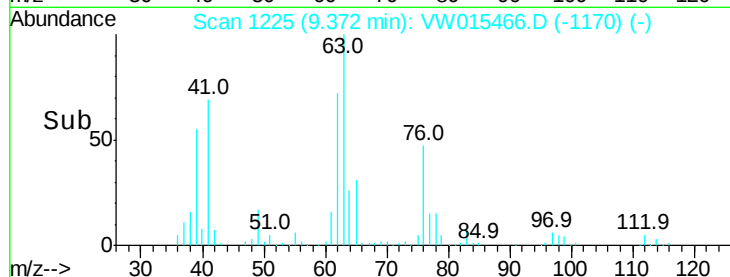
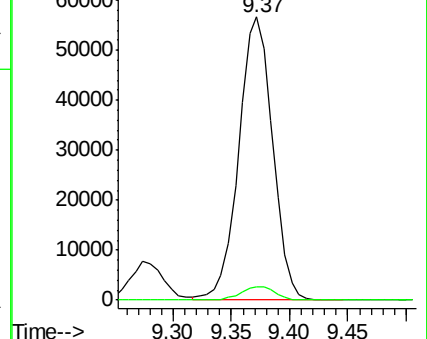
63 100

112 4.8 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.832 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

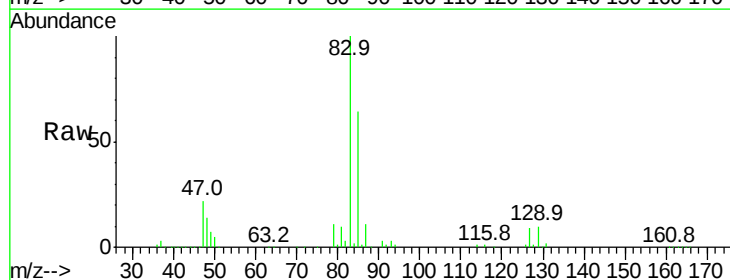
Tgt Ion: 83 Resp: 154055

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

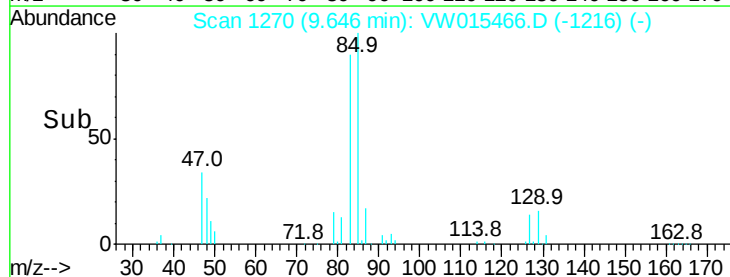
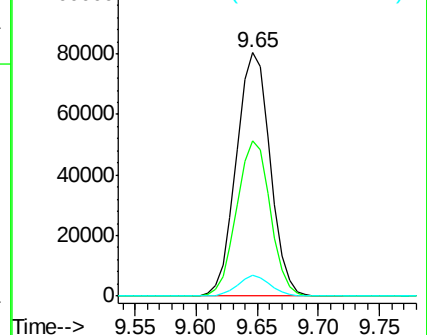
127 8.8 6.2 9.4

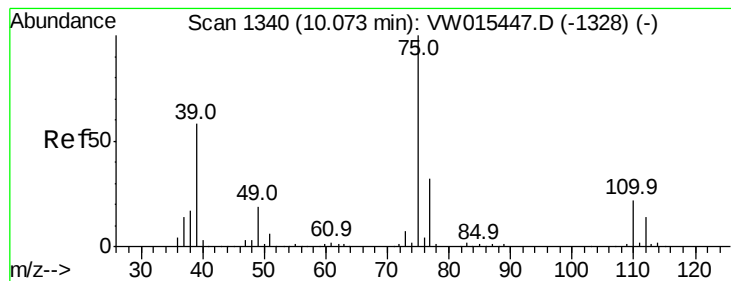


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.459 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampled :

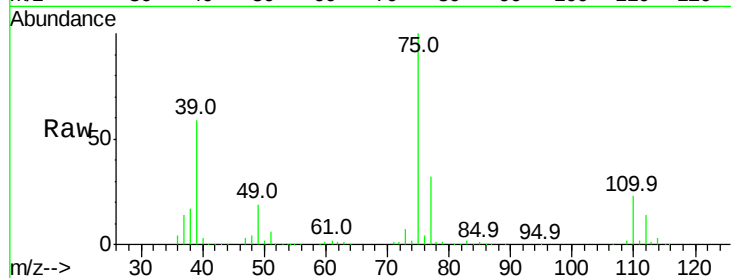
VSTD02505

Tgt Ion: 75 Resp: 185517

Ion Ratio Lower Upper

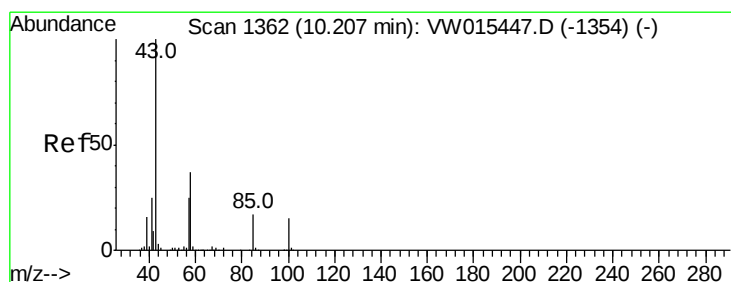
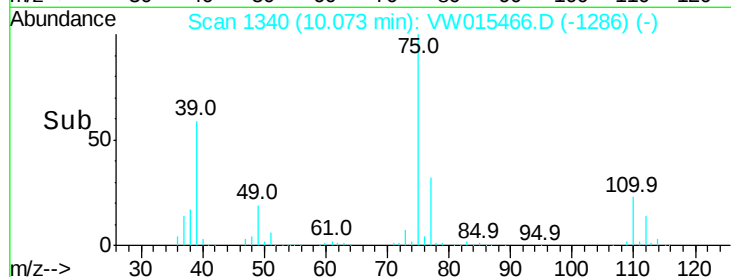
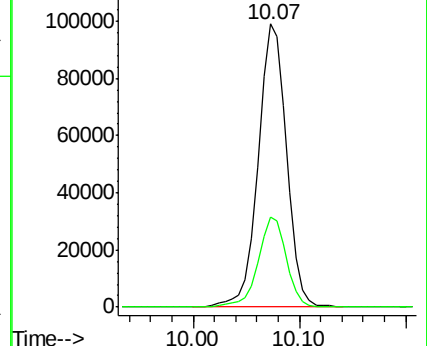
75 100

77 31.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 39.274 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

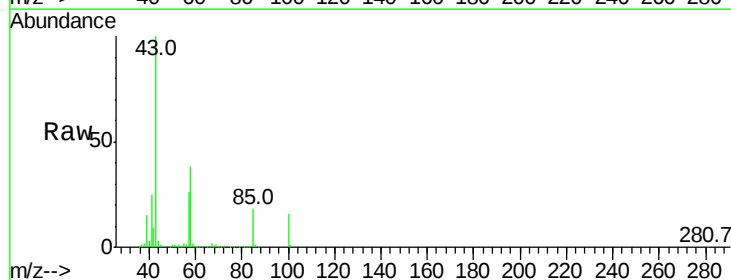
Tgt Ion: 43 Resp: 128861

Ion Ratio Lower Upper

43 100

58 38.3 30.5 45.7

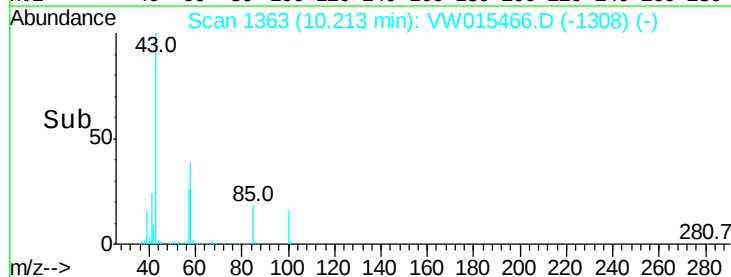
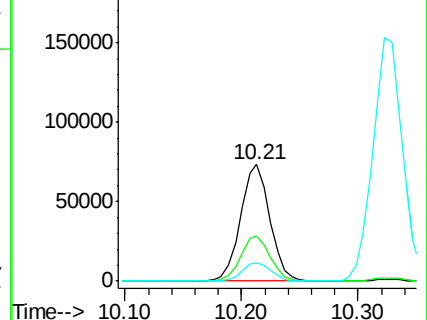
100 15.6 12.1 18.1

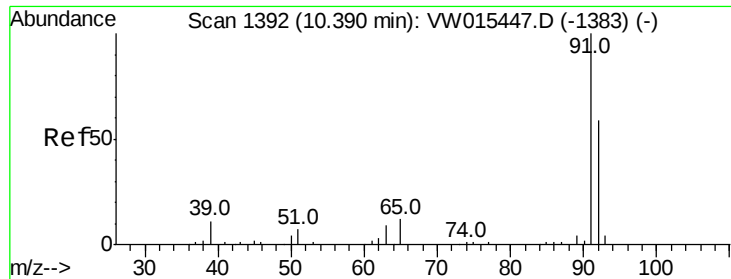


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 23.870 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

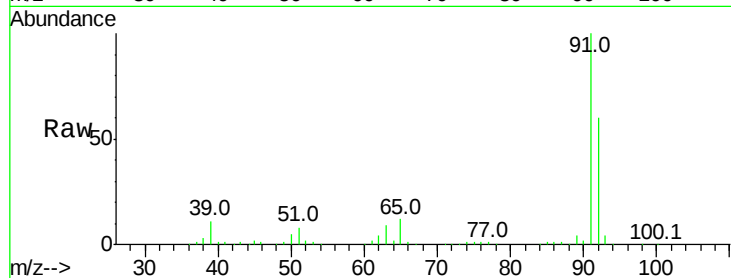
VSTD02505

Tgt Ion: 91 Resp: 511210

Ion Ratio Lower Upper

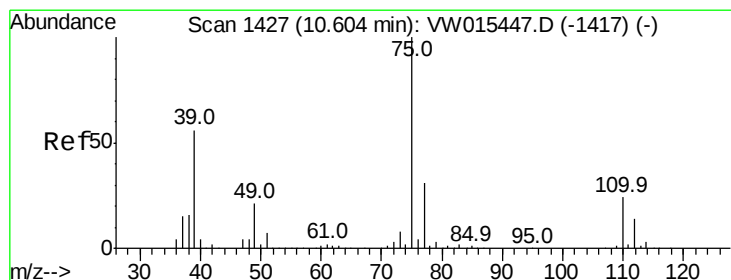
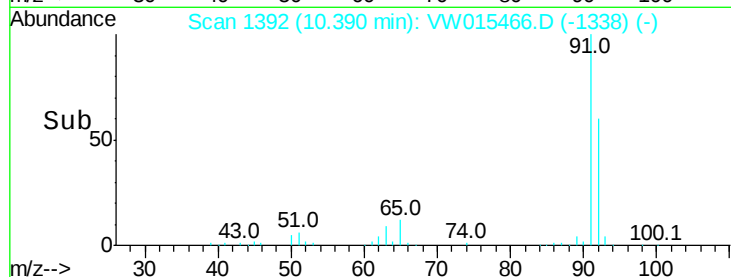
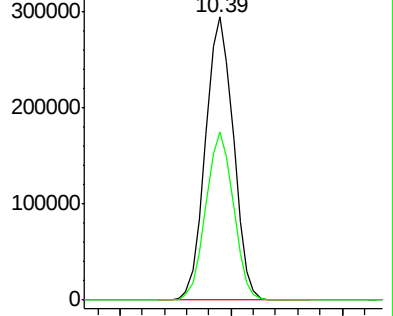
91 100

92 59.6 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 23.249 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015466.D

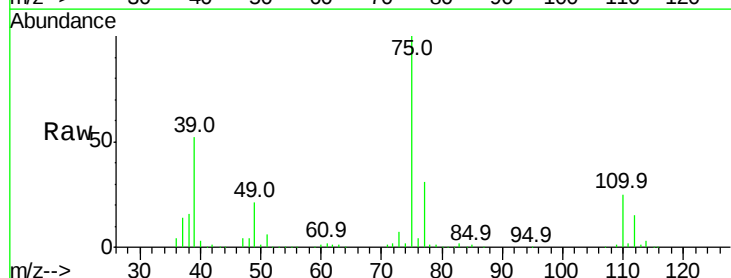
Acq: 26 May 2020 10:53

Tgt Ion: 75 Resp: 160226

Ion Ratio Lower Upper

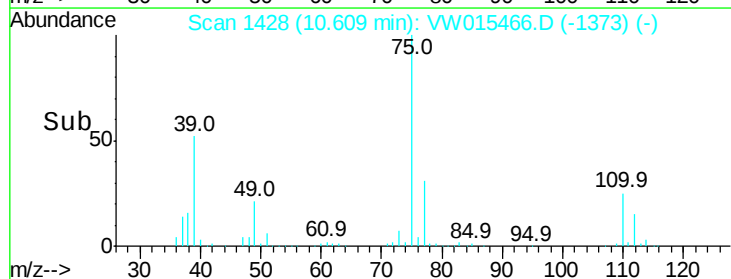
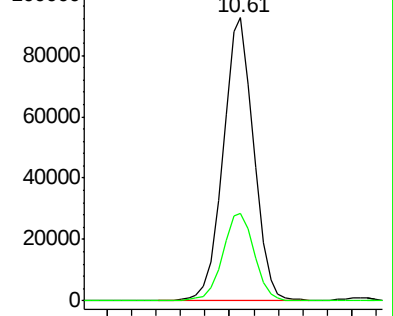
75 100

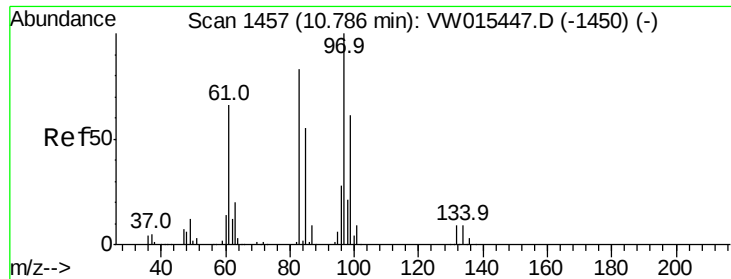
77 30.7 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 23.116 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 97 Resp: 79364

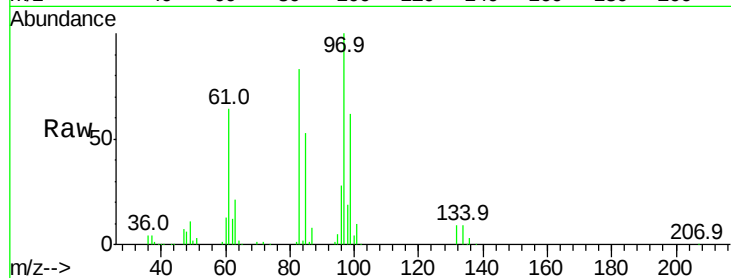
Ion Ratio Lower Upper

97 100

83 83.2 60.5 112.5

85 53.4 38.8 72.0

99 62.4 44.7 82.9

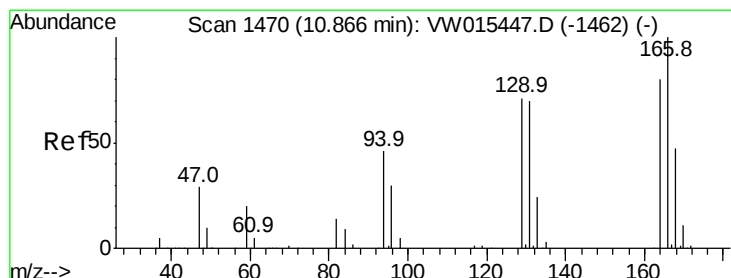
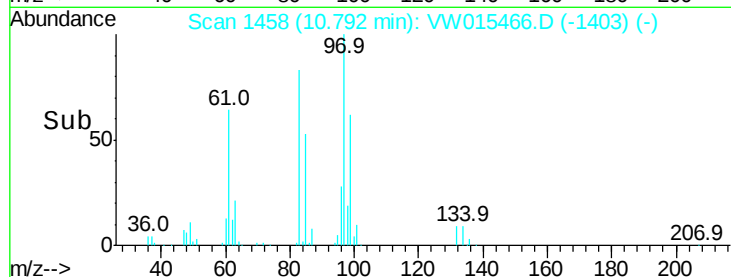
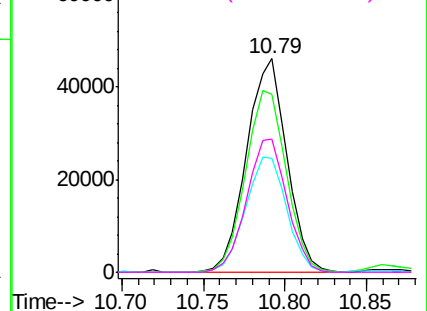


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.468 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Tgt Ion: 164 Resp: 100326

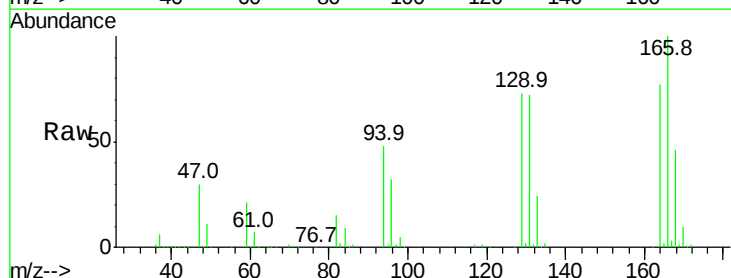
Ion Ratio Lower Upper

164 100

129 94.7 65.8 122.2

131 93.0 63.7 118.3

166 129.7 88.8 165.0

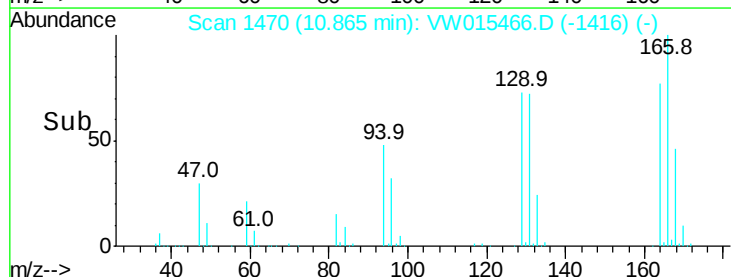
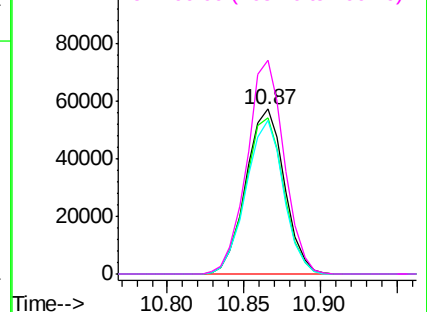


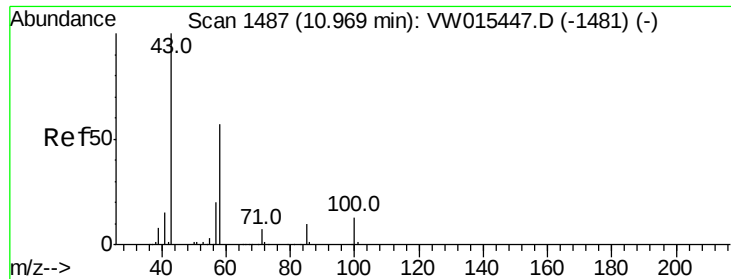
Abundance Ion 164.00 (163.70 to 164.70): V

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: 43.323 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 43 Resp: 89562

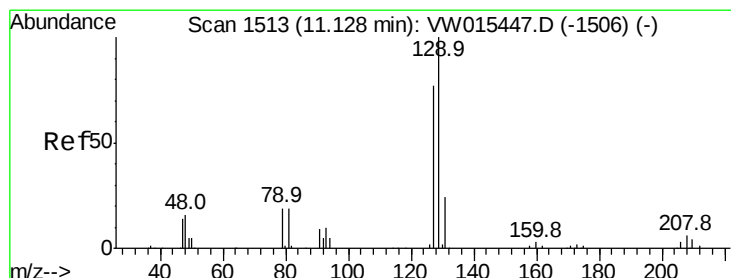
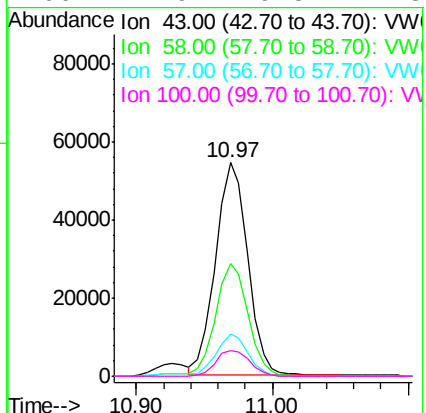
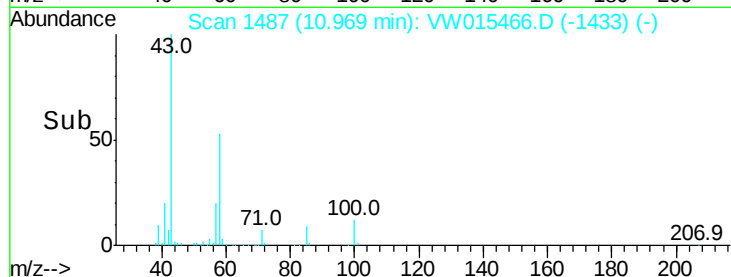
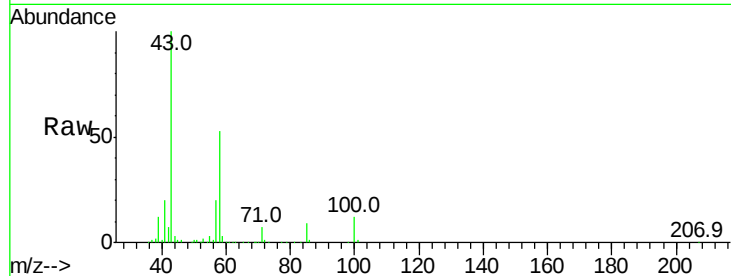
Ion Ratio Lower Upper

43 100

58 53.3 41.5 62.3

57 19.4 15.3 22.9

100 12.9 9.5 14.3



#50

Dibromochloromethane

Concen: 23.643 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015466.D

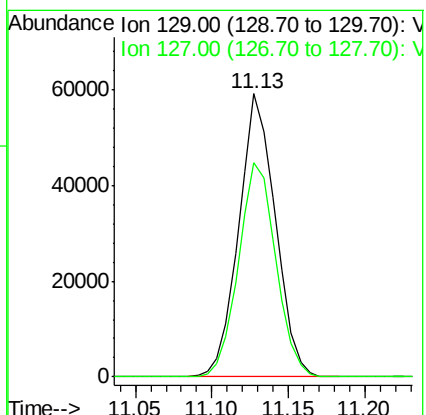
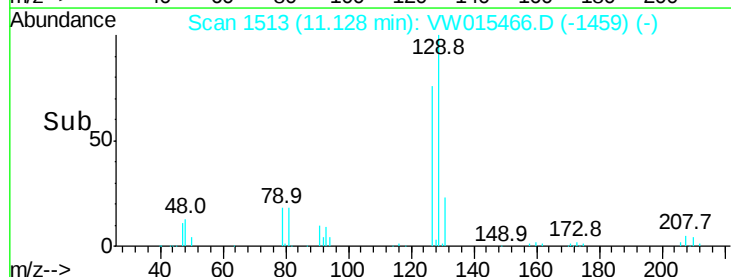
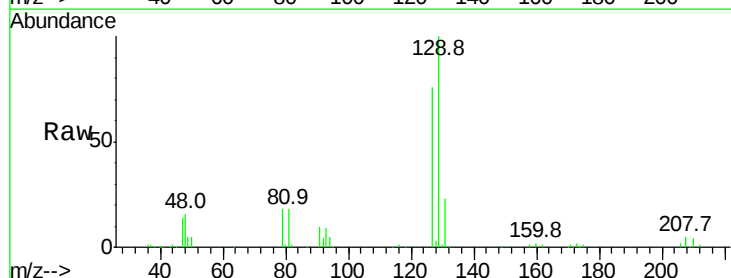
Acq: 26 May 2020 10:53

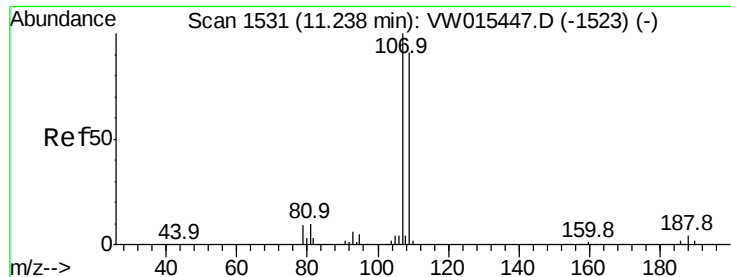
Tgt Ion: 129 Resp: 98200

Ion Ratio Lower Upper

129 100

127 75.7 54.5 101.1





#51

1,2-Dibromoethane

Concen: 23.480 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

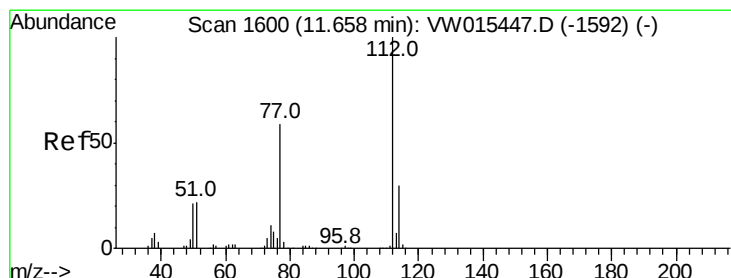
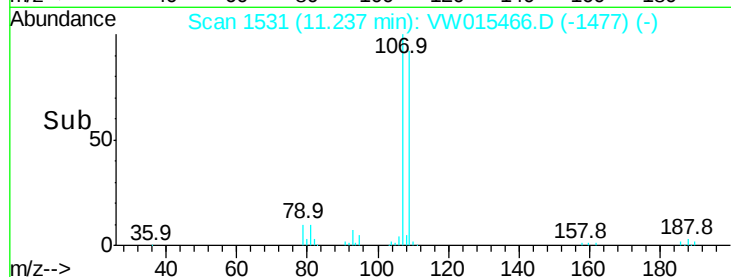
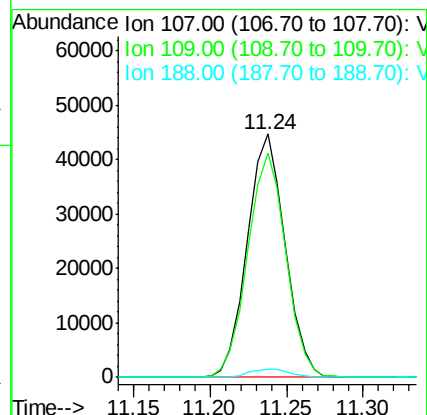
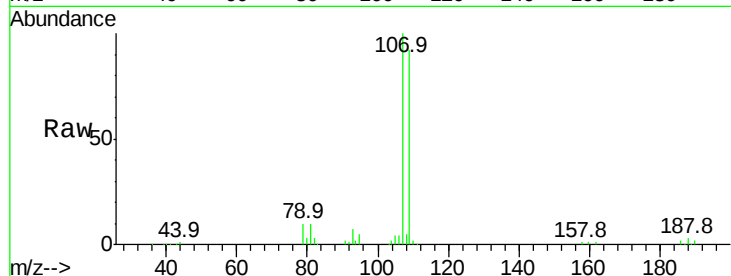
Tgt Ion:107 Resp: 76927

Ion Ratio Lower Upper

107 100

109 92.3 66.2 123.0

188 3.5 2.9 4.3



#52

Chlorobenzene

Concen: 23.705 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

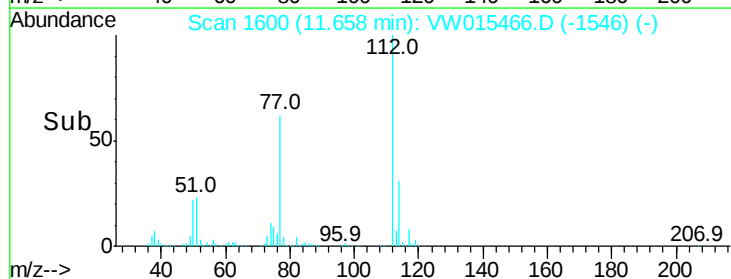
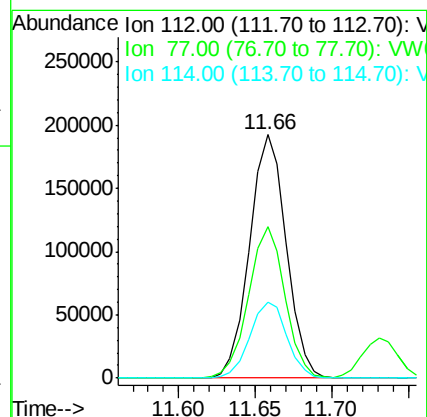
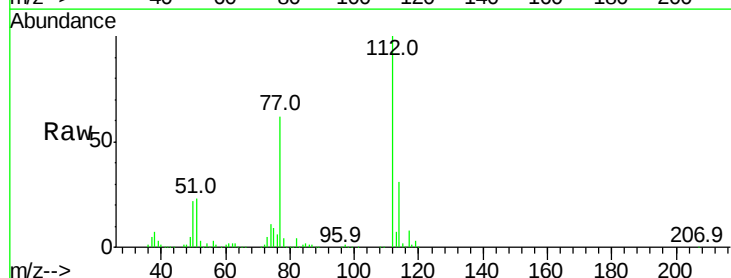
Tgt Ion:112 Resp: 320288

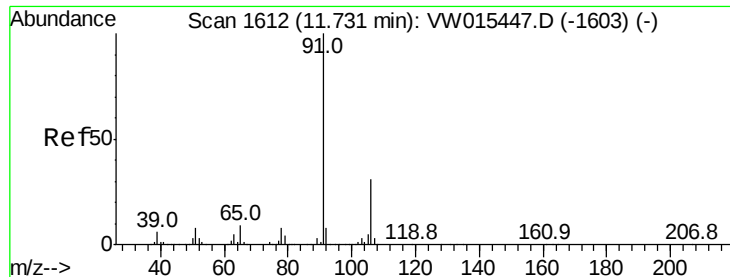
Ion Ratio Lower Upper

112 100

77 62.1 48.6 73.0

114 31.2 21.2 39.4





#53

Ethylbenzene

Concen: 23.496 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

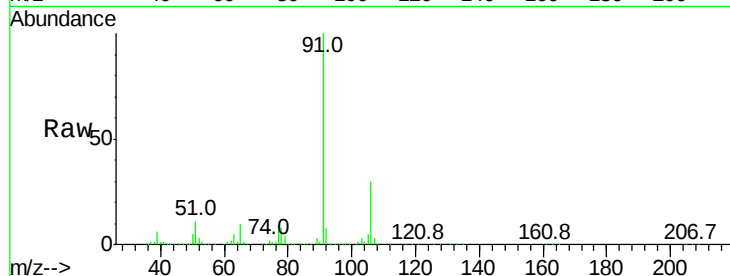
VSTD02505

Tgt Ion: 91 Resp: 586861

Ion Ratio Lower Upper

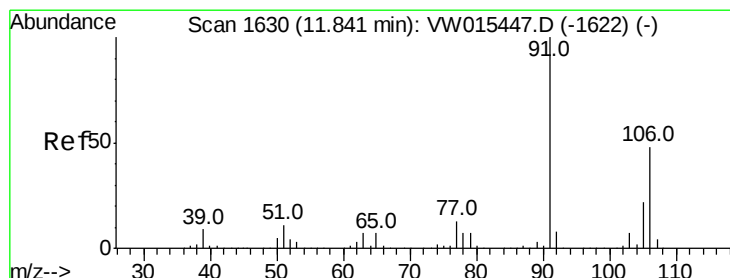
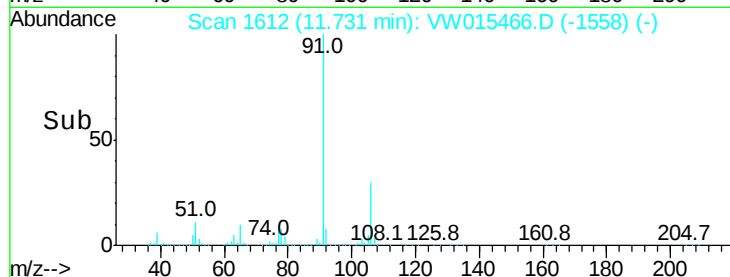
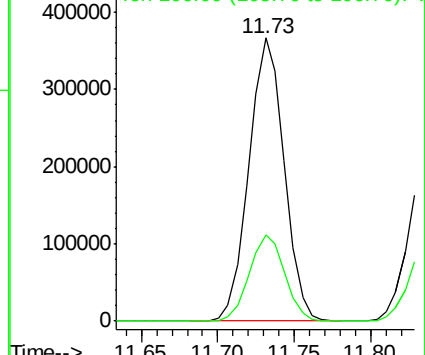
91 100

106 30.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 23.658 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015466.D

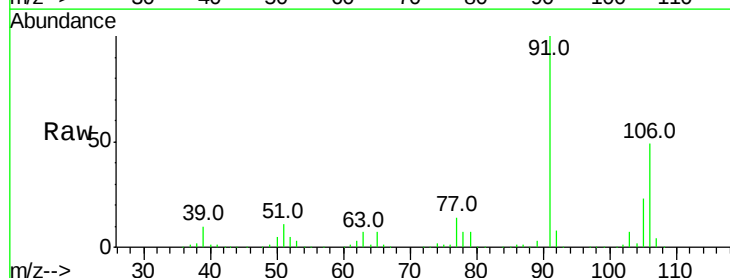
Acq: 26 May 2020 10:53

Tgt Ion:106 Resp: 220760

Ion Ratio Lower Upper

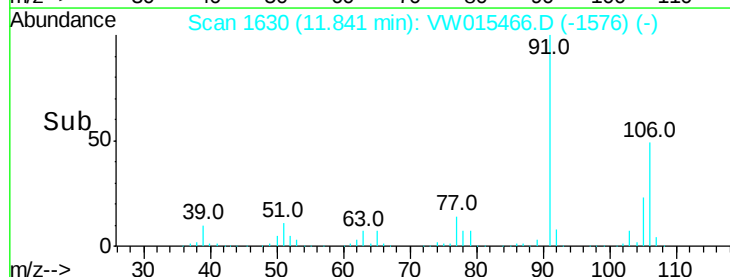
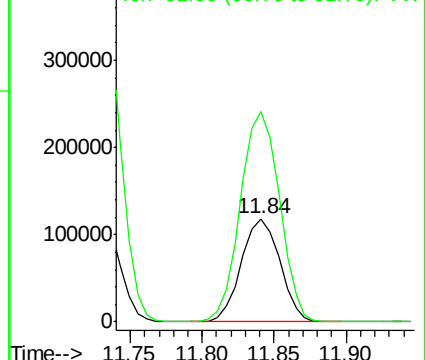
106 100

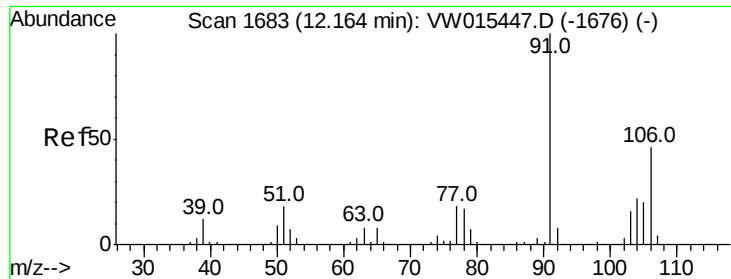
91 203.7 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

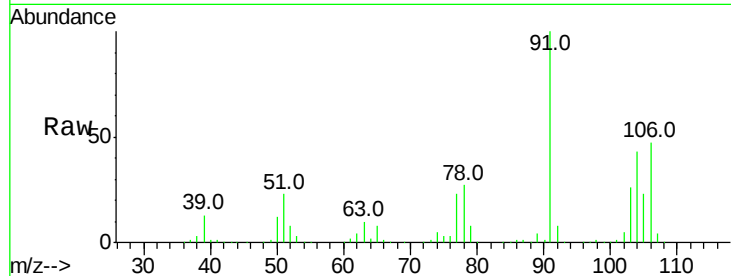




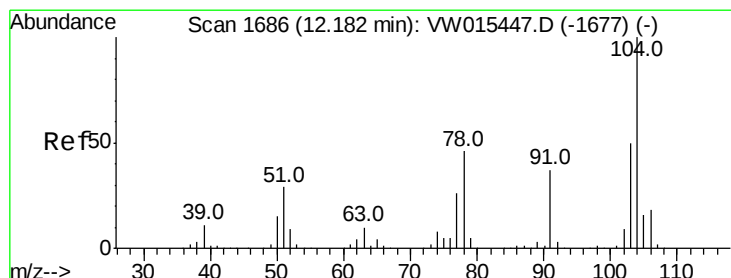
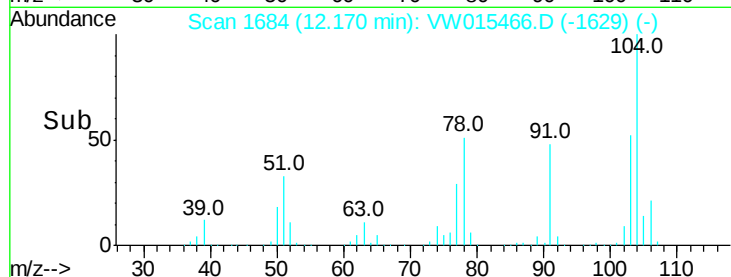
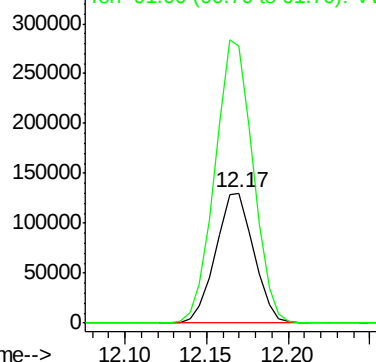
#55
o-xylene
Concen: 23.689 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

Instrument :
MSVOA_W
ClientSampled :
VSTD02505

Tgt Ion:106 Resp: 212660
Ion Ratio Lower Upper
106 100
91 212.8 152.3 282.9

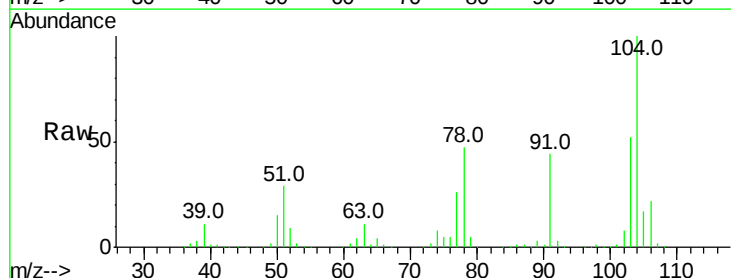


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

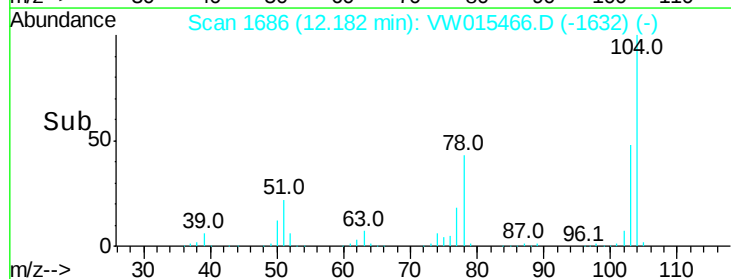
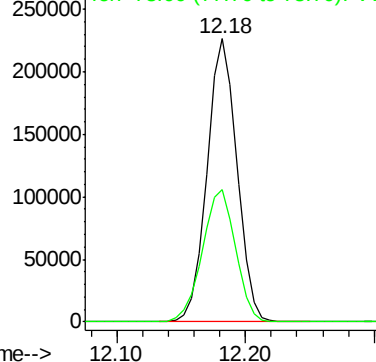


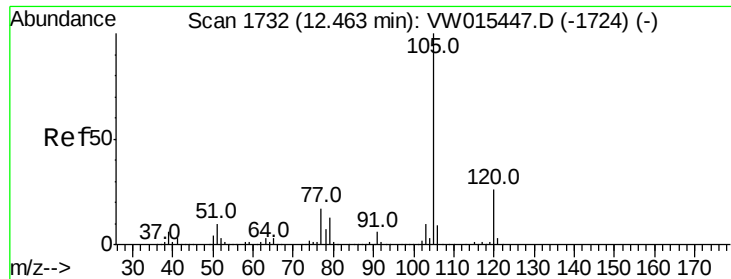
#56
Styrene
Concen: 23.698 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015466.D
Acq: 26 May 2020 10:53

Tgt Ion:104 Resp: 363233
Ion Ratio Lower Upper
104 100
78 47.0 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.681 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

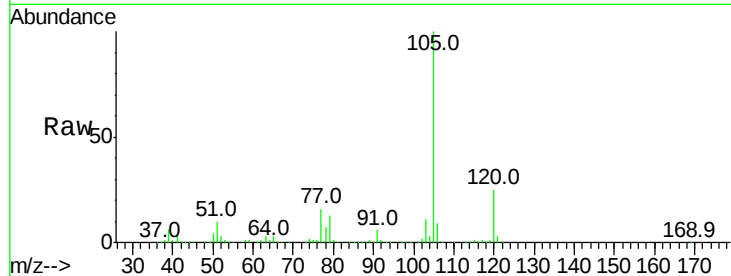
Tgt Ion:105 Resp: 587242

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

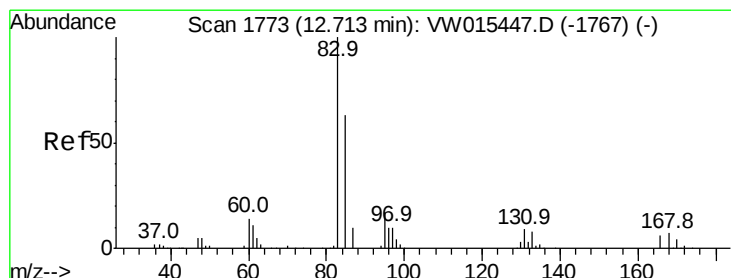
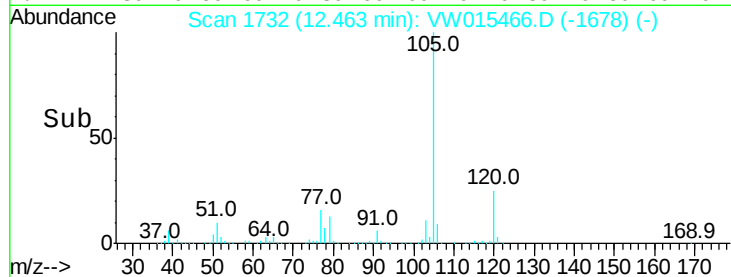
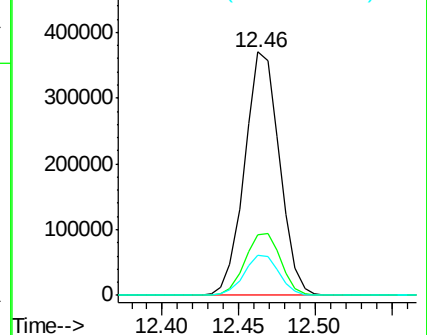
77 16.3 13.3 19.9



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: 22.415 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

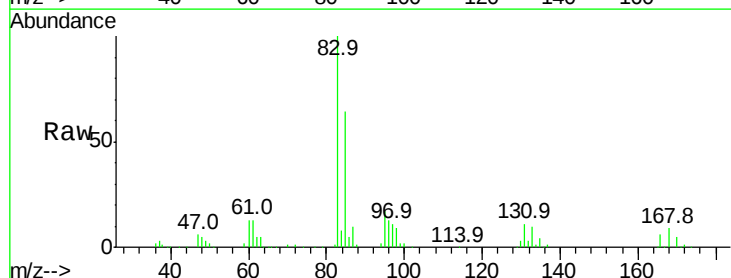
Tgt Ion: 83 Resp: 91544

Ion Ratio Lower Upper

83 100

85 63.8 46.3 86.1

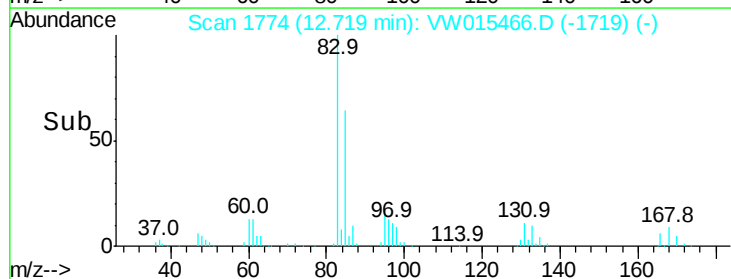
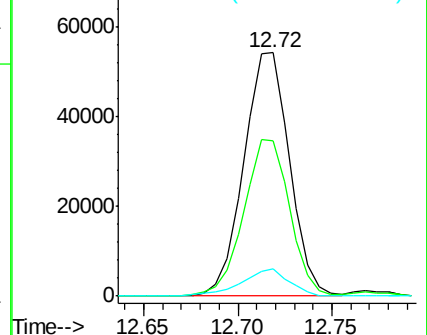
131 11.4 7.9 11.9

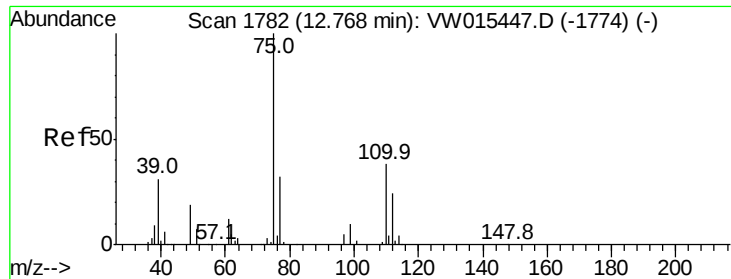


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.090 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

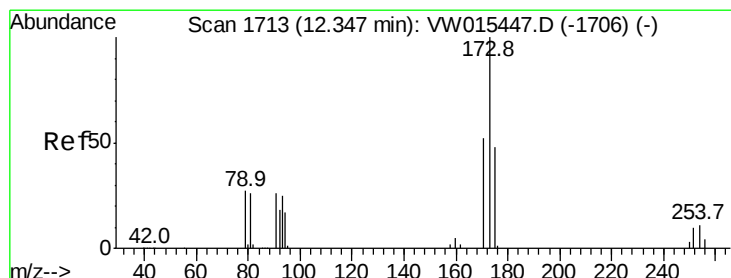
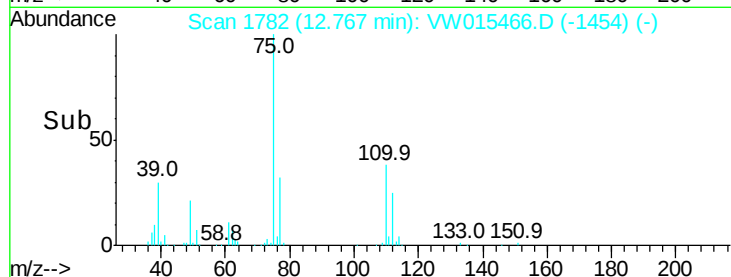
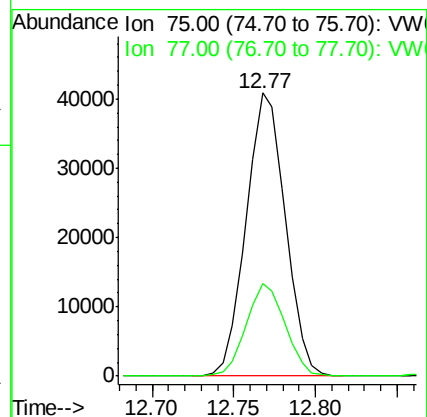
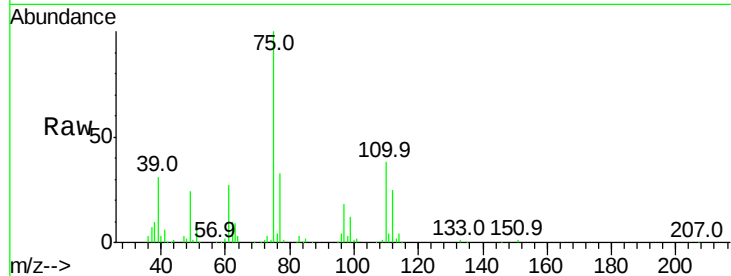
VSTD02505

Tgt Ion: 75 Resp: 68521

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 23.286 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

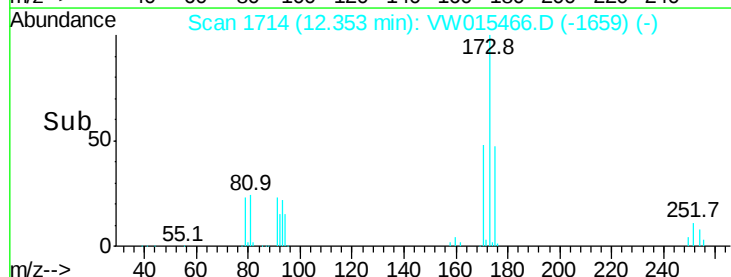
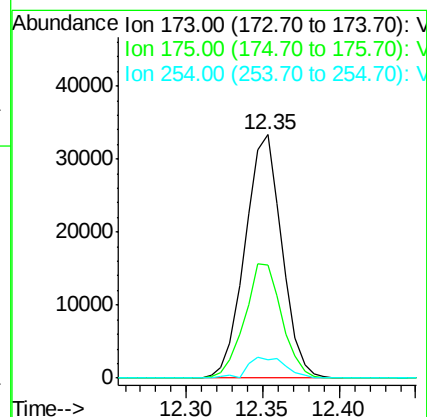
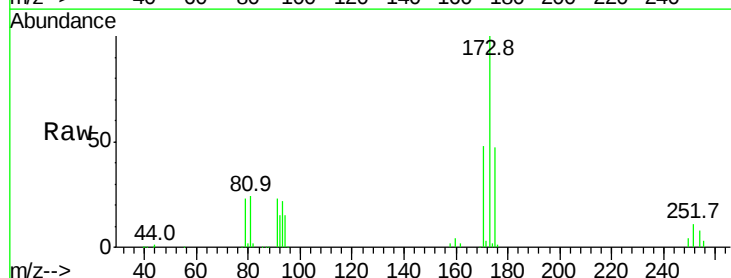
Tgt Ion: 173 Resp: 55710

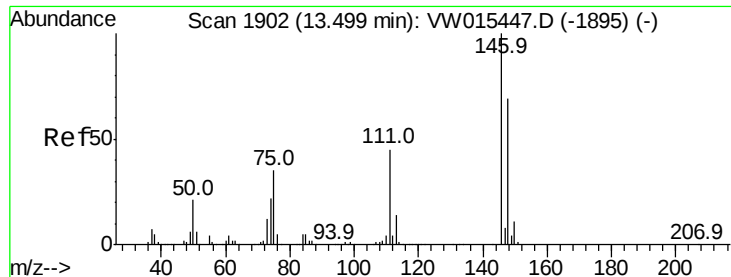
Ion Ratio Lower Upper

173 100

175 47.4 40.7 61.1

254 8.5 7.6 11.4

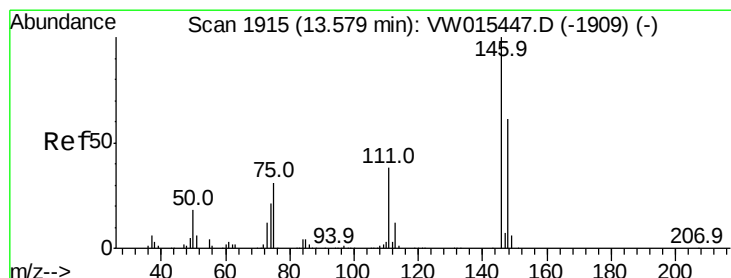
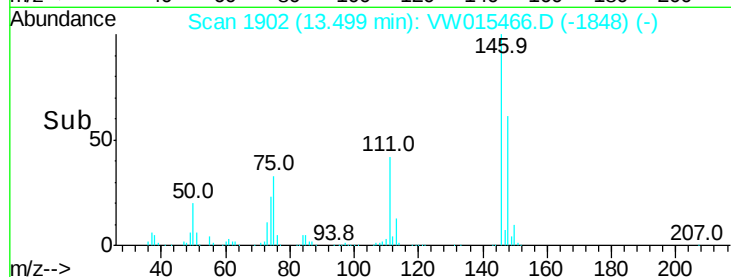
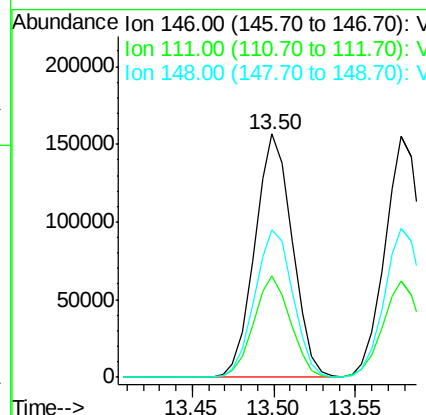
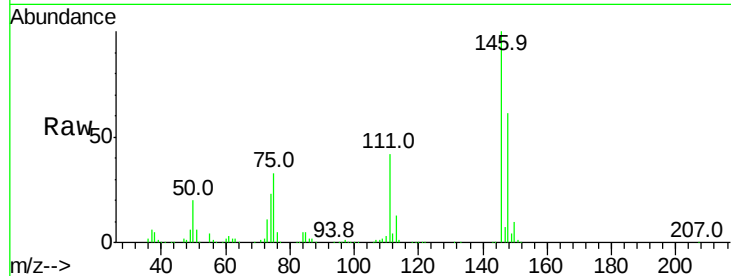




#63
 1,3-Dichlorobenzene
 Concen: 24.279 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

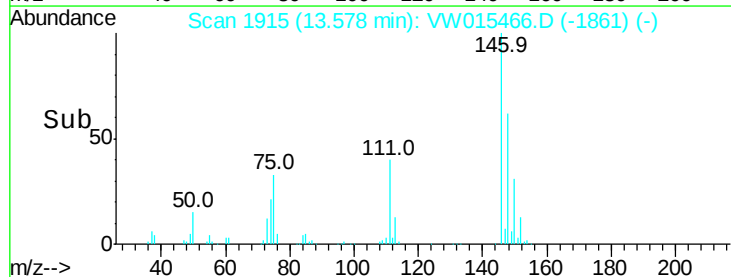
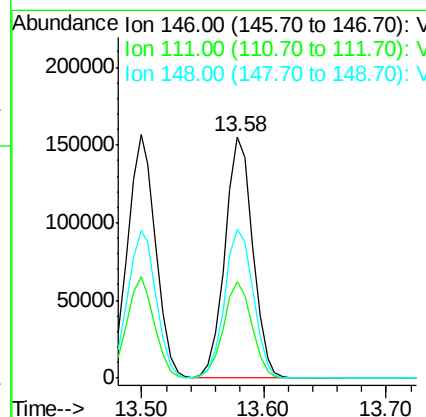
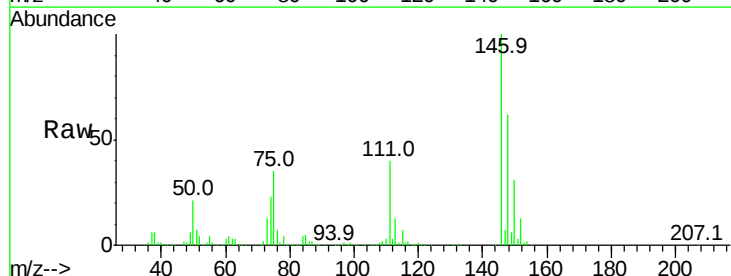
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

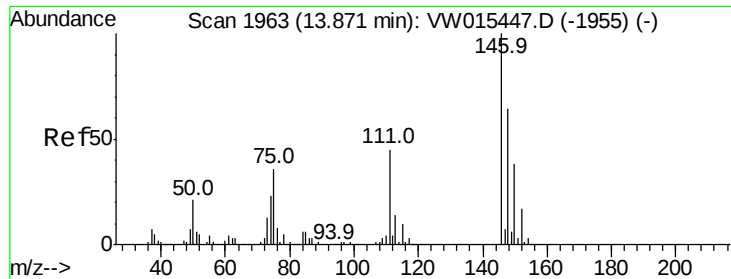
Tgt Ion:146 Resp: 250088
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.9 51.9
 148 60.7 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.817 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

Tgt Ion:146 Resp: 244233
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 61.8 43.8 81.3

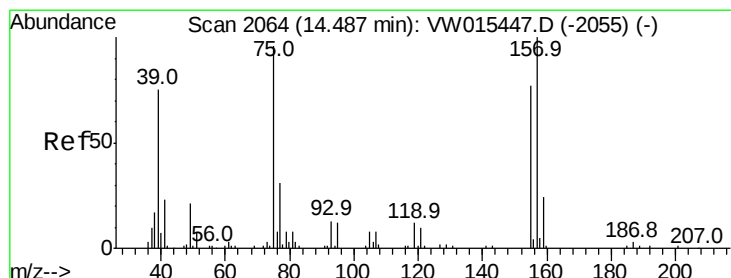
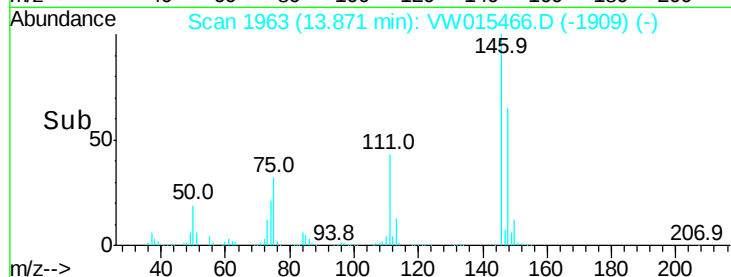
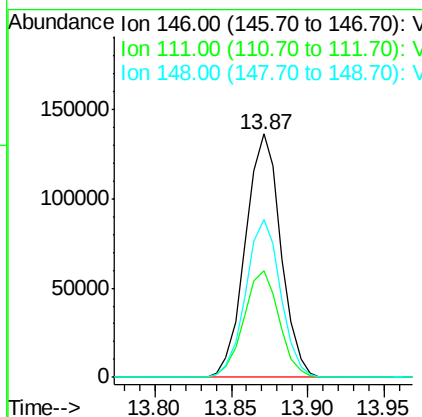
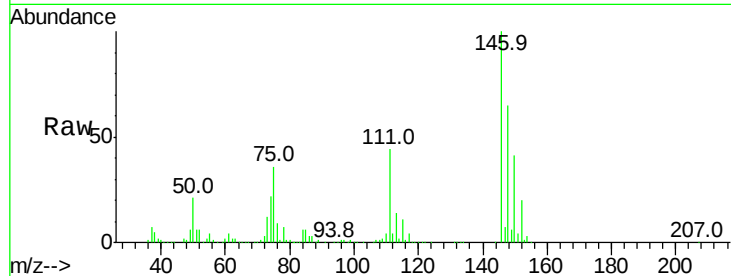




#65
 1,2-Dichlorobenzene
 Concen: 24.181 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

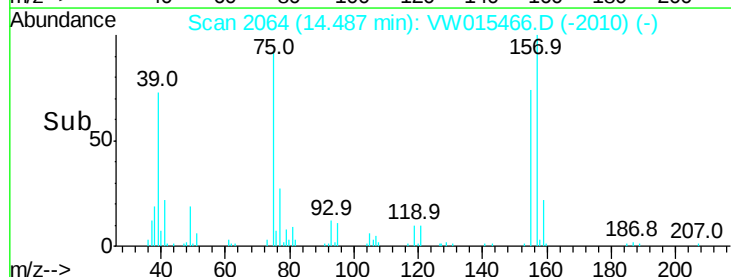
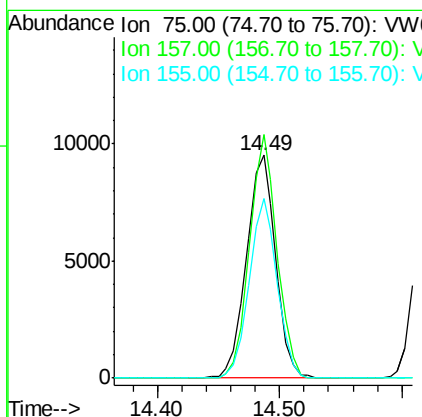
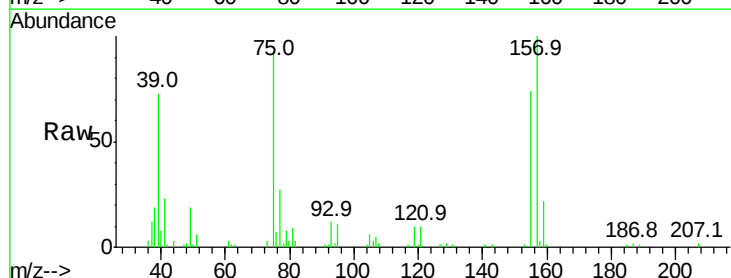
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

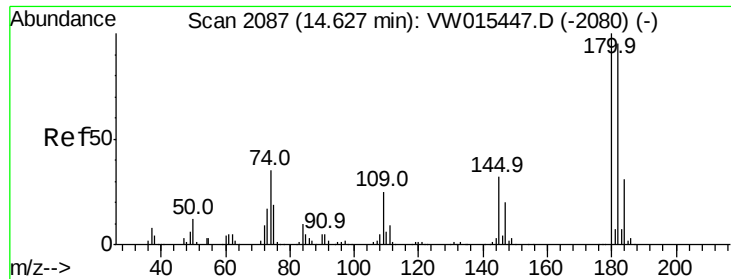
Tgt Ion: 146 Resp: 219100
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.3 51.5
 148 64.8 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.542 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

Tgt Ion: 75 Resp: 15733
 Ion Ratio Lower Upper
 75 100
 157 109.2 72.7 109.1#
 155 80.7 56.7 85.1

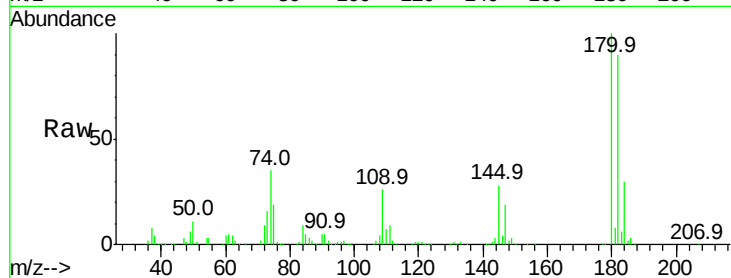




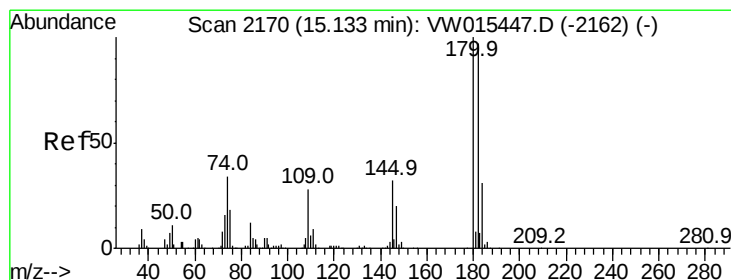
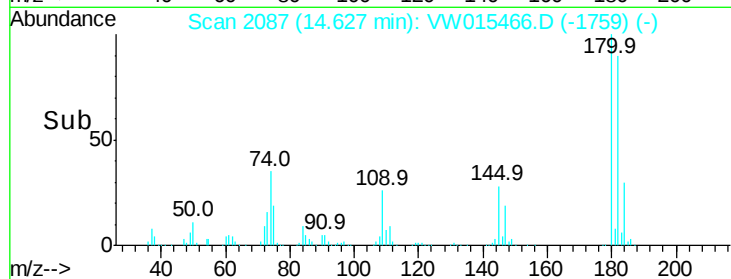
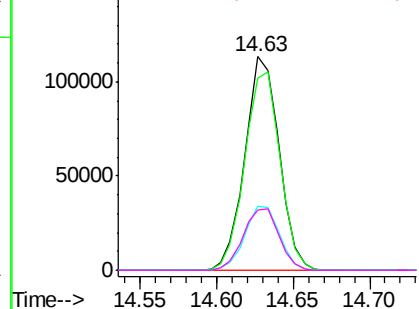
#67
 1,3,5-Trichlorobenzene
 Concen: 24.955 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tgt Ion:180 Resp: 176748
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 184 30.5 24.7 37.1
 145 30.0 24.7 37.1

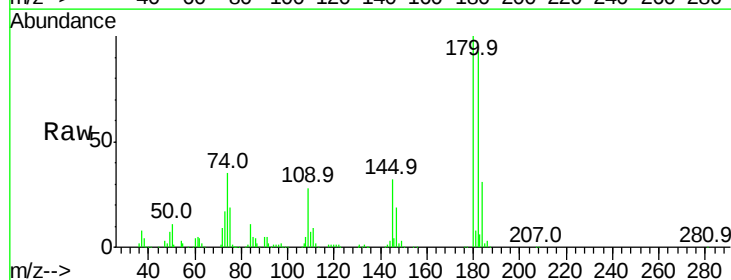


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

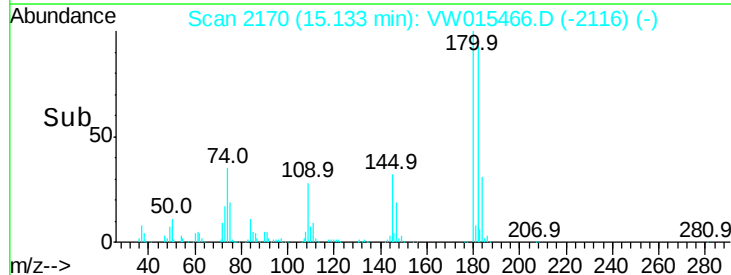
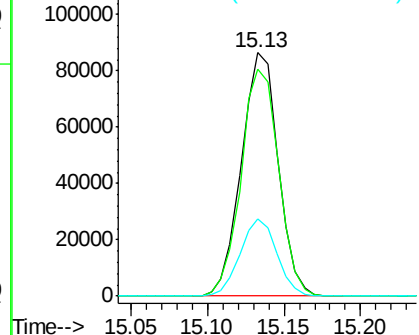


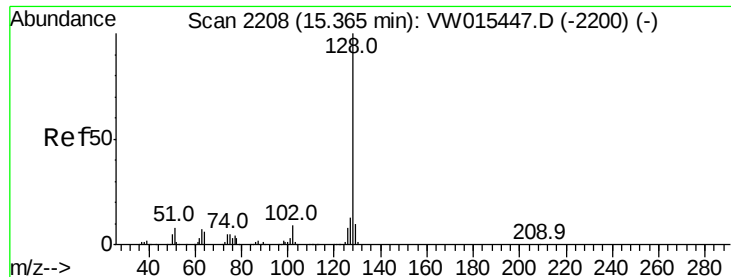
#68
 1,2,4-trichlorobenzene
 Concen: 24.730 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015466.D
 Acq: 26 May 2020 10:53

Tgt Ion:180 Resp: 144620
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.9 116.9
 145 31.5 26.5 39.7



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: 23.677 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

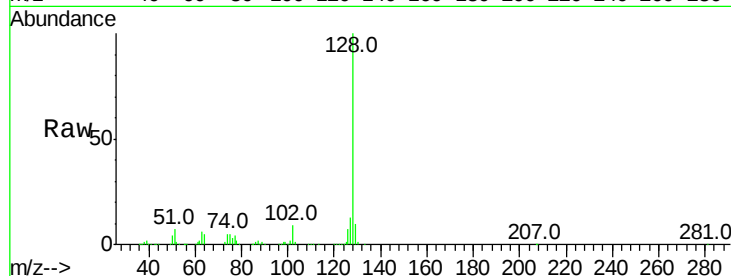
Tgt Ion:128 Resp: 259844

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

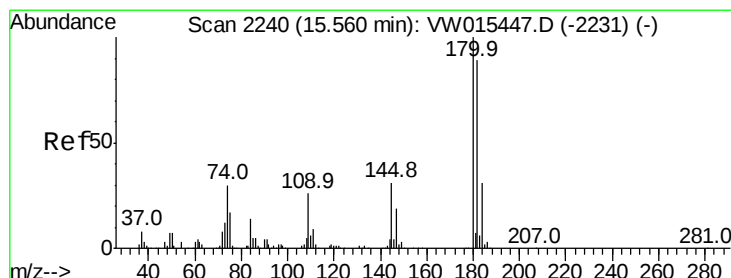
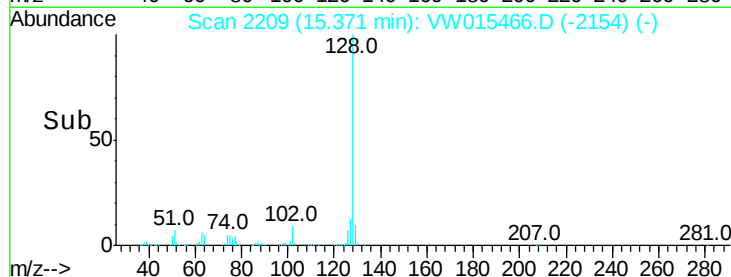
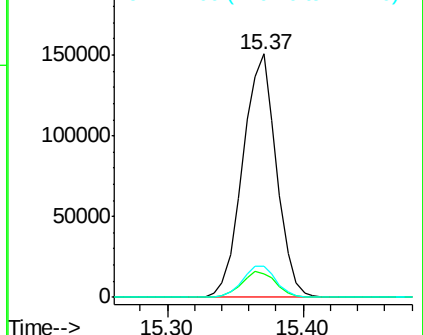
127 13.2 10.3 15.5



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: 24.421 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015466.D

Acq: 26 May 2020 10:53

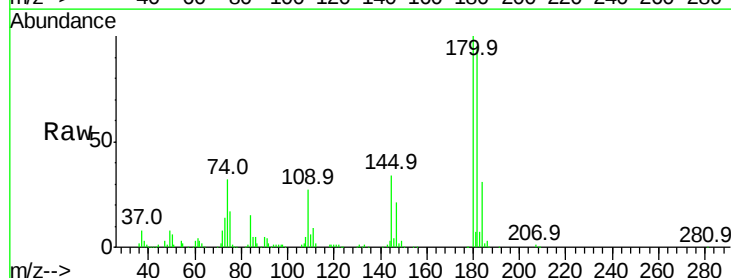
Tgt Ion:180 Resp: 123041

Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

145 33.4 26.6 39.8



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

