

Data File : VW015385.D
Acq On : 04 May 2020 14:29
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Quant Time: May 04 15:27:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
Quant Title : VOC Analysis
QLast Update : Mon May 04 15:24:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	337844	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310321	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	21713	8.83	ug/L	0.00
7) Chloroethane-d5	2.89	69	20663	7.22	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	44573	7.17	ug/L	0.00
20) 2-Butanone-d5	7.08	46	10801	14.29	ug/L	0.00
24) Chloroform-d	7.65	84	44096	5.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	23747	6.21	ug/L	0.00
29) Benzene-d6	8.27	84	86504	6.05	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	26352	6.59	ug/L	0.00
37) Toluene-d8	10.32	98	82488	5.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	11532	5.63	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	8954	12.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	18620	5.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	26136	5.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	15837	4.977	ug/L	100
3) Chloromethane	2.21	50	16139	6.194	ug/L	95
5) Vinyl chloride	2.37	62	26366	8.380	ug/L	98
6) Bromomethane	2.78	94	18242	6.169	ug/L	99
8) Chloroethane	2.93	64	17303	7.087	ug/L	98
9) Trichlorofluoromethane	3.26	101	18557	5.036	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	20658	5.310	ug/L	96
12) 1,1-Dichloroethene	4.03	96	21155	5.566	ug/L	95
13) Acetone	4.12	43	8248	12.953	ug/L	94
14) Carbon disulfide	4.38	76	65884	6.350	ug/L	99
15) Methyl Acetate	4.67	43	9222	7.262	ug/L	99
16) Methylene chloride	4.91	84	27079	6.294	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	33479	5.956	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	22968	5.516	ug/L	98
19) 1,1-Dichloroethane	6.21	63	42609	6.570	ug/L	98
21) 2-Butanone	7.18	43	12137	12.603	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	23909	5.317	ug/L	98
23) Bromochloromethane	7.51	128	10022	4.642	ug/L	96
25) Chloroform	7.67	83	41210	5.586	ug/L	98
27) 1,2-Dichloroethane	8.40	62	27992	5.983	ug/L	99
30) Cyclohexane	7.96	56	42858	7.214	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	35813	5.364	ug/L	99
32) Carbon tetrachloride	8.07	117	32937	5.102	ug/L	99
34) Benzene	8.32	78	94183	5.922	ug/L	100
35) Trichloroethene	9.09	95	25041	5.473	ug/L	99
36) Methylcyclohexane	9.34	83	45763	5.933	ug/L	98
40) 1,2-Dichloropropane	9.37	63	23104	6.401	ug/L	99
41) Bromodichloromethane	9.65	83	30219	5.470	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	36523	5.779	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	29072	11.944	ug/L	98

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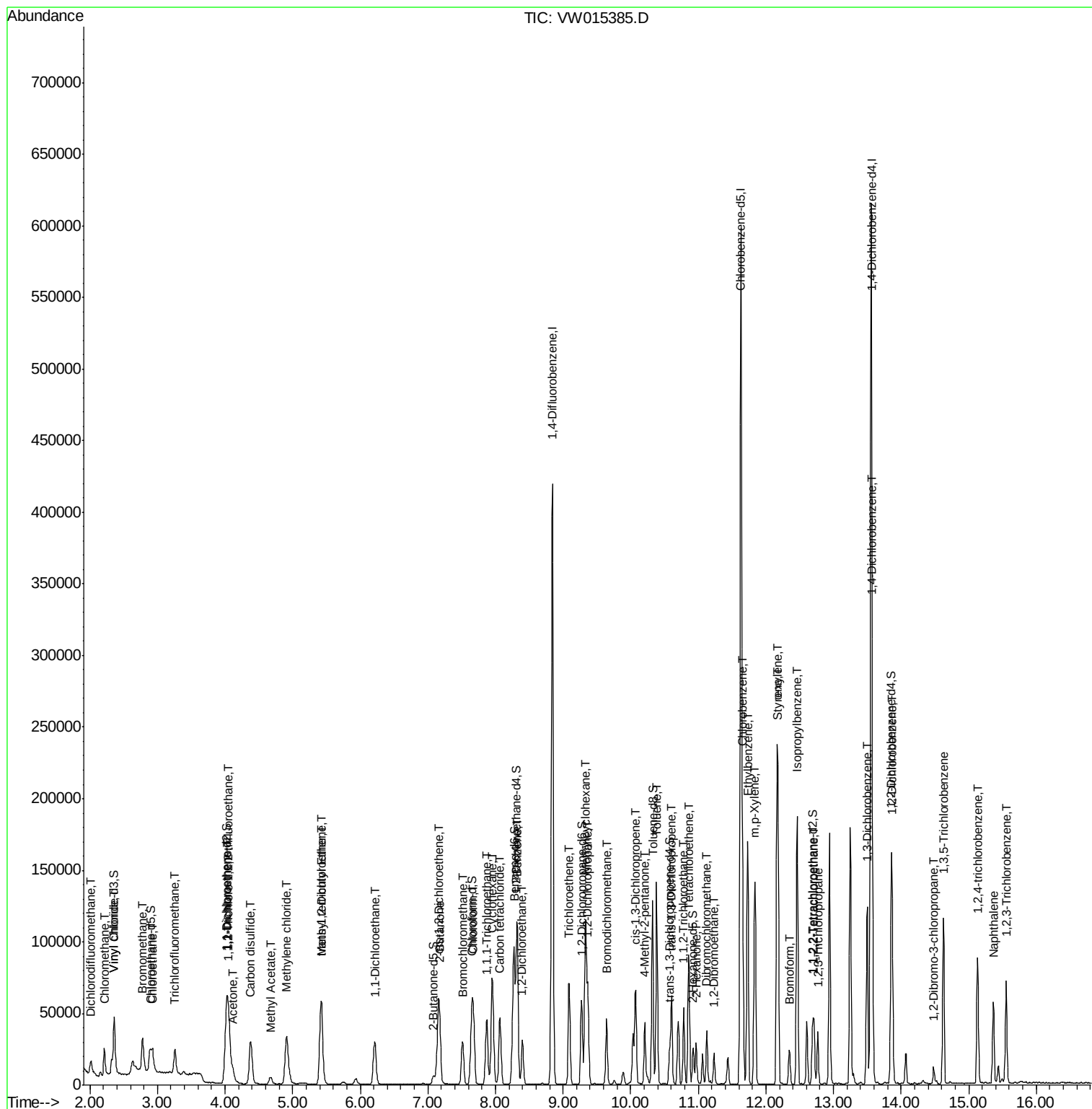
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	100776	5.460	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	30726	5.470	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	15784	5.095	ug/L	96
47) Tetrachloroethene	10.86	164	18995	4.351	ug/L	95
49) 2-Hexanone	10.97	43	18008	13.513	ug/L	97
50) Dibromochloromethane	11.13	129	19059	4.549	ug/L	98
51) 1,2-Dibromoethane	11.23	107	14646	4.742	ug/L #	95
52) Chlorobenzene	11.66	112	64878	5.215	ug/L	98
53) Ethylbenzene	11.73	91	118241	5.539	ug/L	99
54) m,p-Xylene	11.83	106	44183	5.228	ug/L	98
55) o-xylene	12.16	106	41386	5.104	ug/L	94
56) Styrene	12.18	104	69363	5.096	ug/L	98
57) Isopropylbenzene	12.46	105	116612	5.282	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	18255	5.298	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	13974	5.561	ug/L	97
62) Bromoform	12.35	173	10204	4.189	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	46545	4.942	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	47766	5.126	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	40955	4.844	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.48	75	3102	5.607	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	33146	4.552	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	26047	4.353	ug/L	96
69) Naphthalene	15.36	128	45857	4.584	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	21243	4.111	ug/L	95

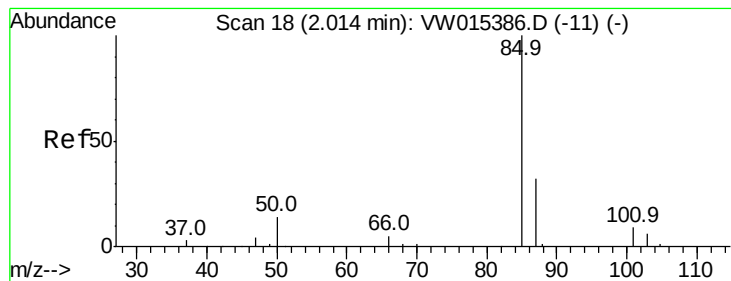
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.977 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

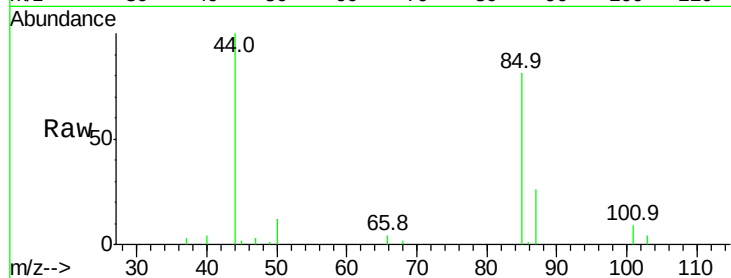
VSTD00503

Tgt Ion: 85 Resp: 15837

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

2.01

6000

5000

4000

3000

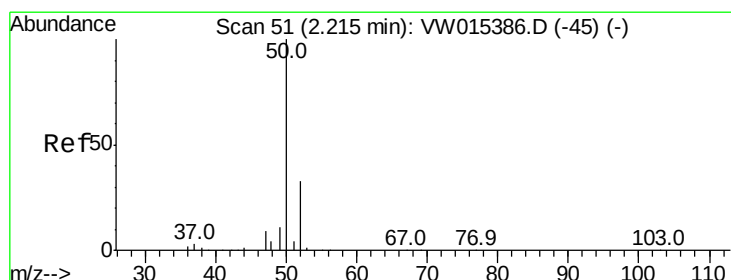
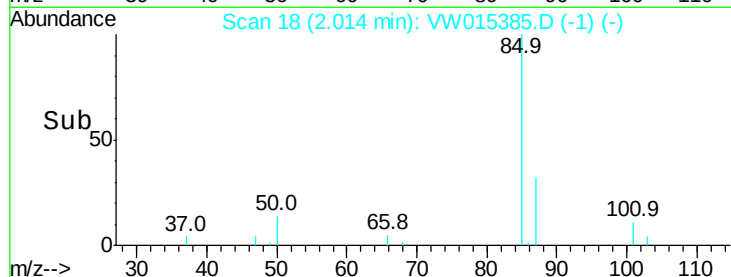
2000

1000

0

1.95 2.00 2.05 2.10 2.15

Time-->



#3

Chloromethane

Concen: 6.194 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015385.D

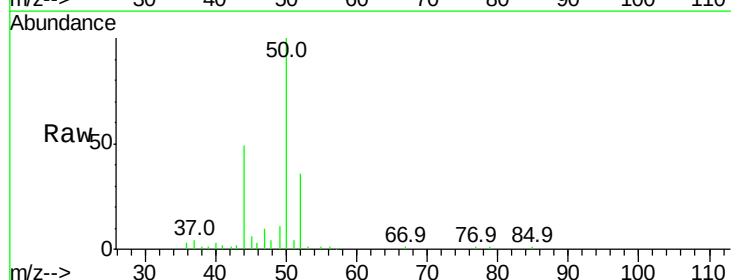
Acq: 04 May 2020 14:29

Tgt Ion: 50 Resp: 16139

Ion Ratio Lower Upper

50 100

52 35.7 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

12000

10000

8000

6000

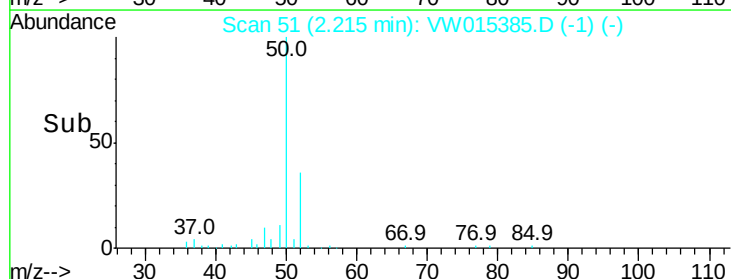
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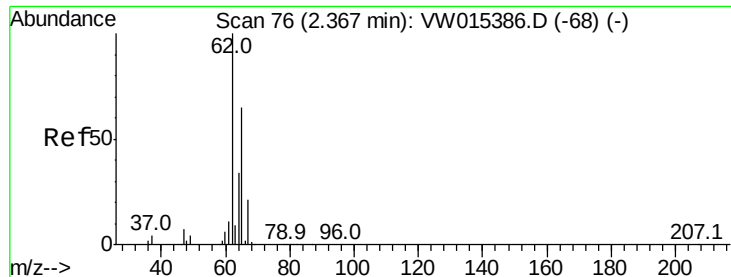
2000

0

2.15 2.20 2.25 2.30

Time-->





#5

Vinyl chloride

Concen: 8.380 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

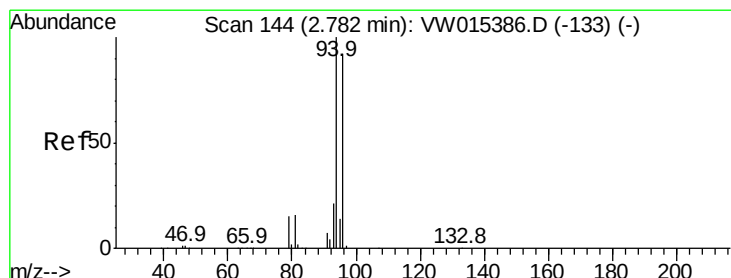
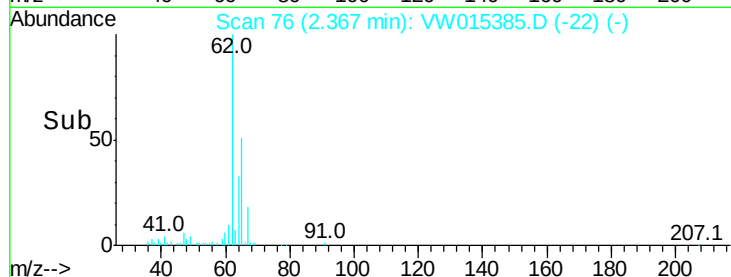
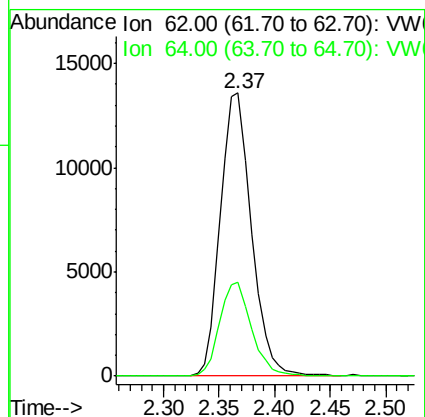
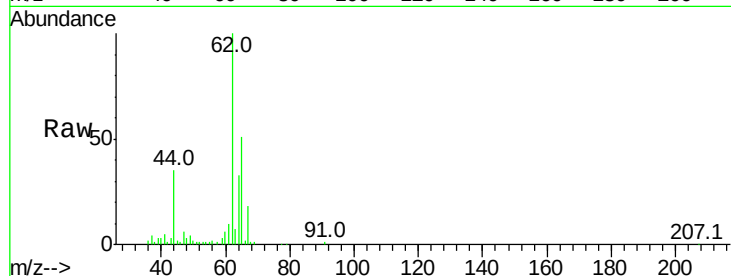
VSTD00503

Tgt Ion: 62 Resp: 26366

Ion Ratio Lower Upper

62 100

64 33.0 23.7 44.1



#6

Bromomethane

Concen: 6.169 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015385.D

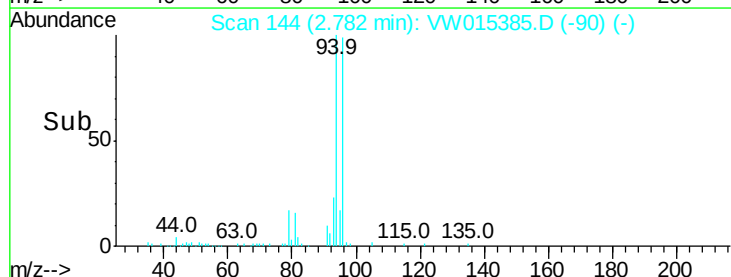
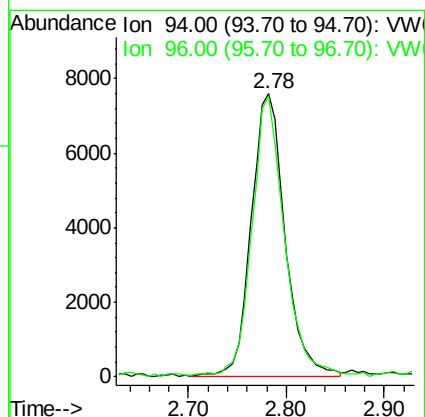
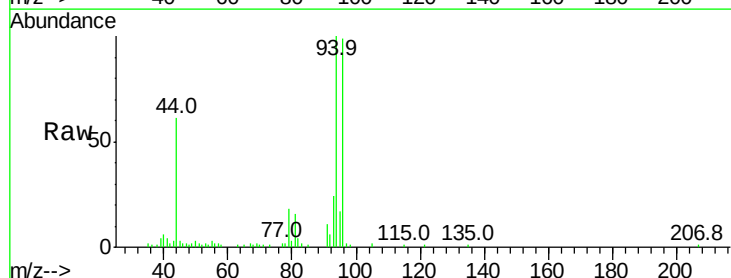
Acq: 04 May 2020 14:29

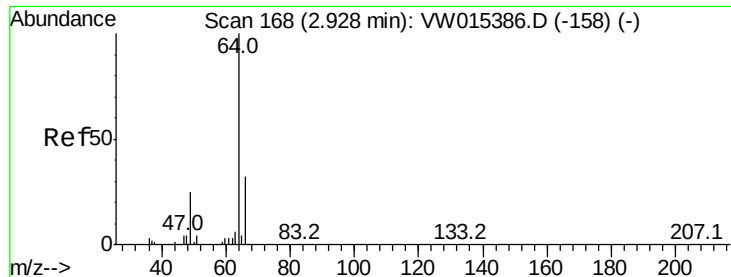
Tgt Ion: 94 Resp: 18242

Ion Ratio Lower Upper

94 100

96 94.2 9.3 177.7





#8

Chloroethane

Concen: 7.087 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

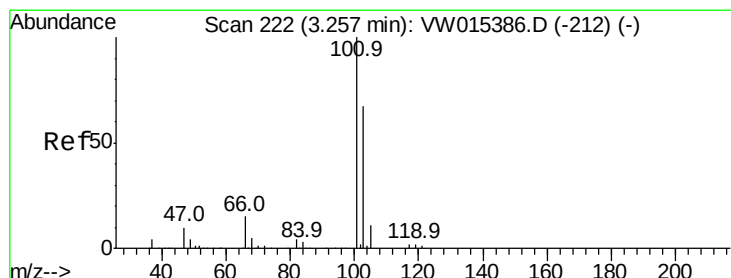
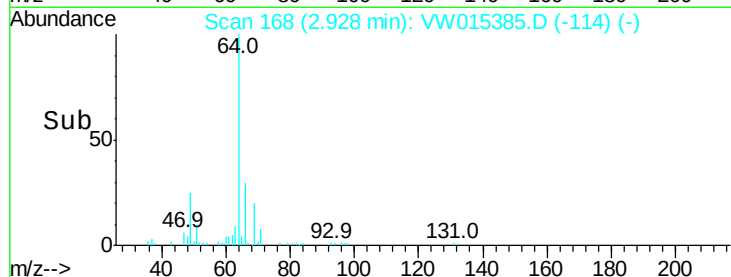
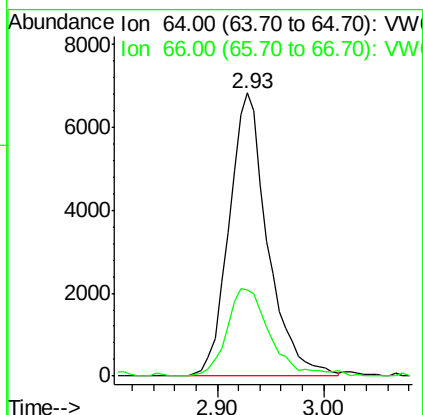
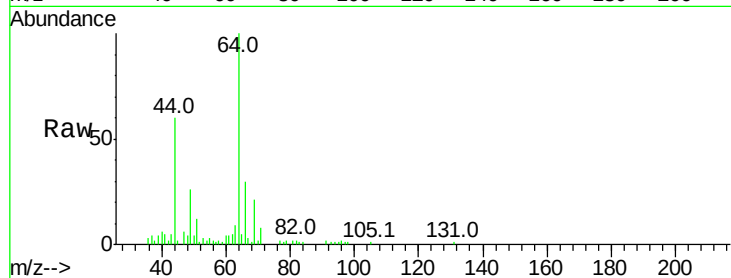
VSTD00503

Tgt Ion: 64 Resp: 17303

Ion Ratio Lower Upper

64 100

66 30.5 22.3 41.3



#9

Trichlorofluoromethane

Concen: 5.036 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015385.D

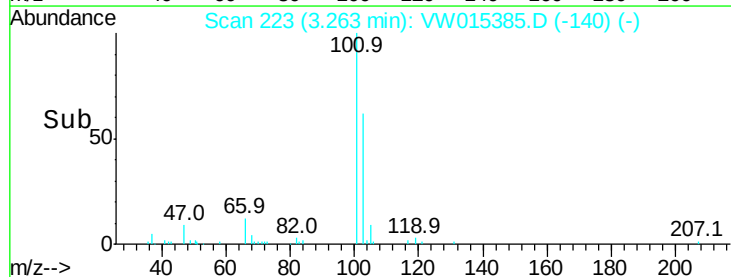
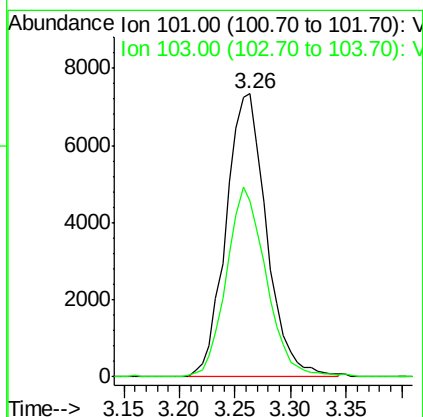
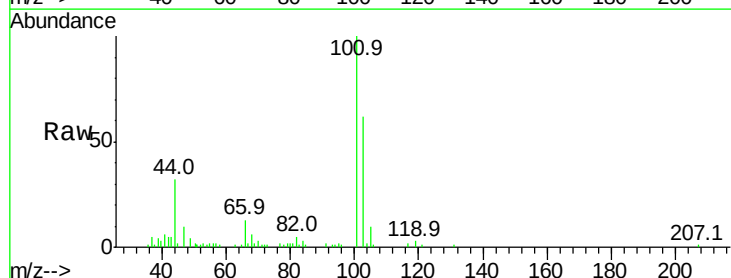
Acq: 04 May 2020 14:29

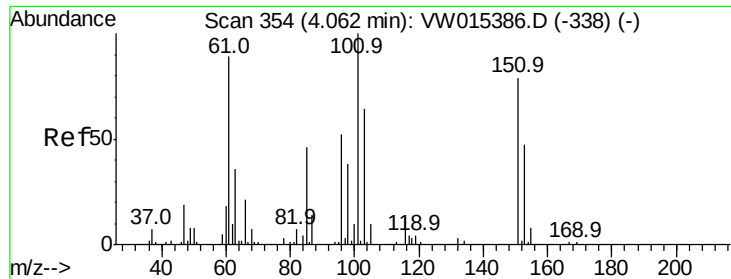
Tgt Ion: 101 Resp: 18557

Ion Ratio Lower Upper

101 100

103 65.4 45.5 84.5





#11

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

Concen: 5.310 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

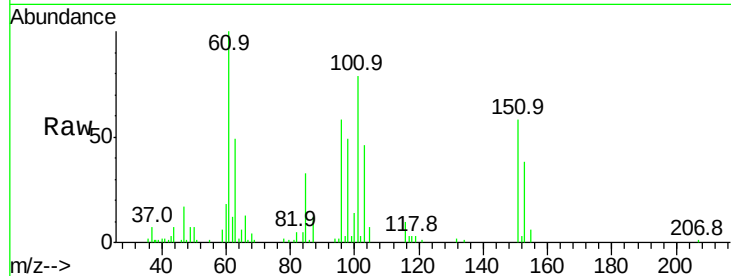
Tgt Ion:101 Resp: 20658

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

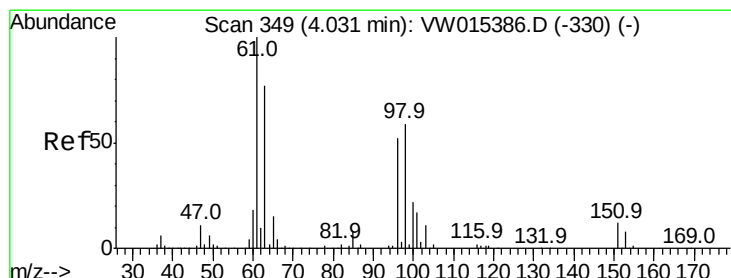
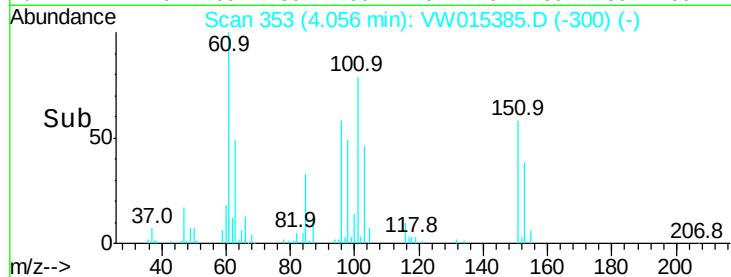
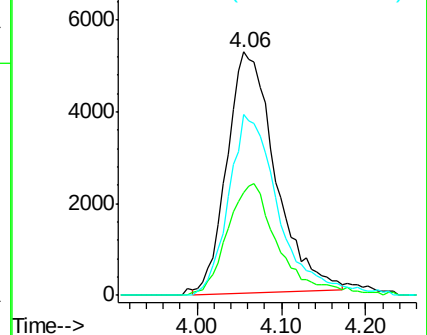
151 76.3 57.1 85.7



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: 5.566 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

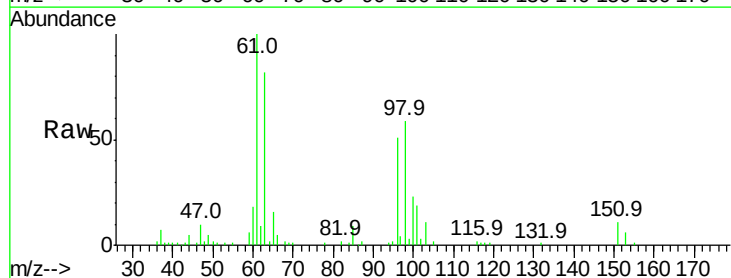
Tgt Ion: 96 Resp: 21155

Ion Ratio Lower Upper

96 100

61 196.6 135.9 252.5

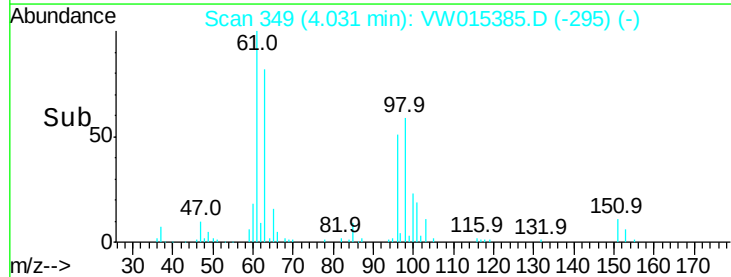
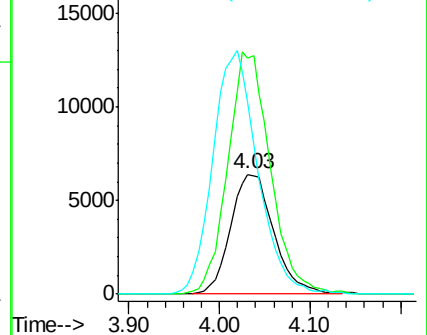
63 161.0 104.4 194.0

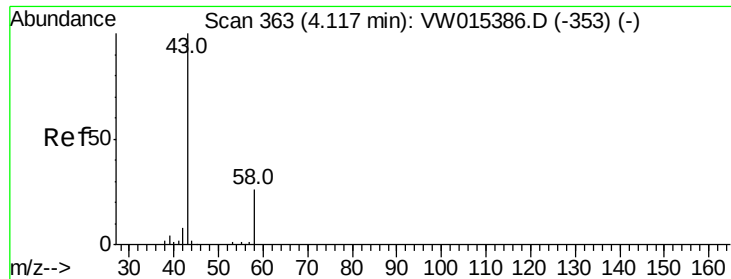


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 12.953 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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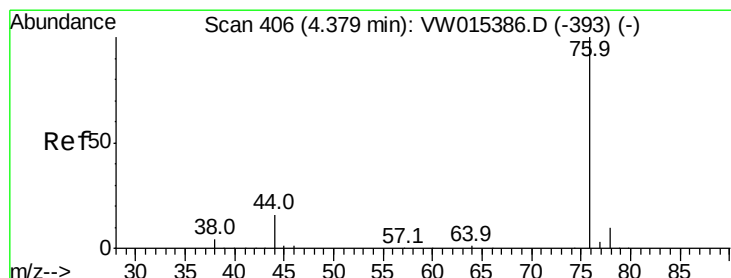
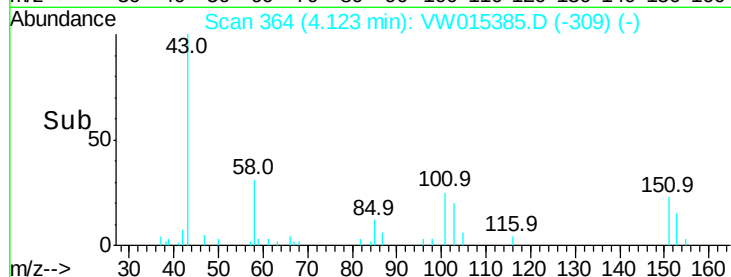
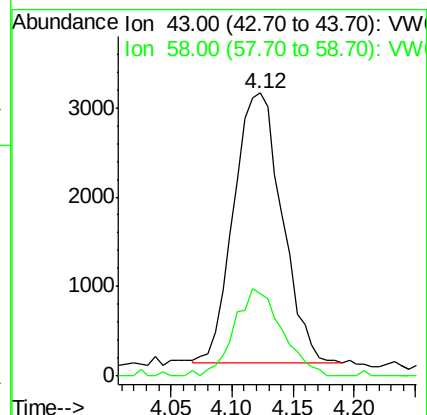
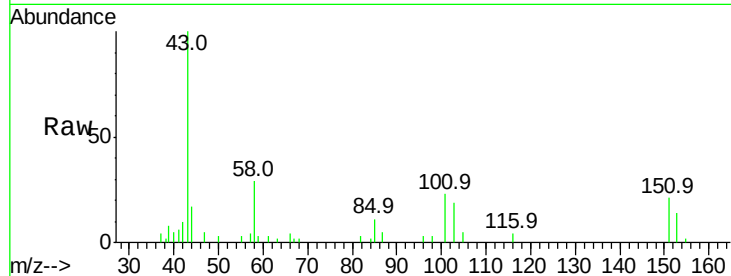
VSTD00503

Tgt Ion: 43 Resp: 8248

Ion Ratio Lower Upper

43 100

58 31.8 0.0 57.0



#14

Carbon disulfide

Concen: 6.350 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015385.D

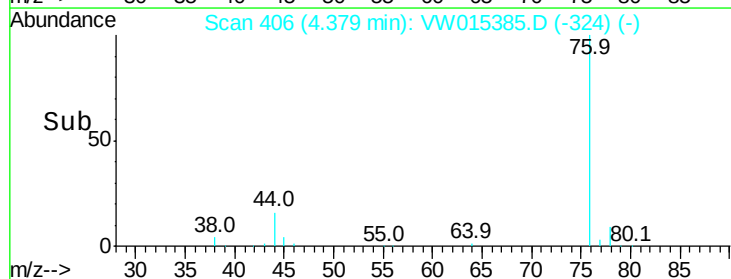
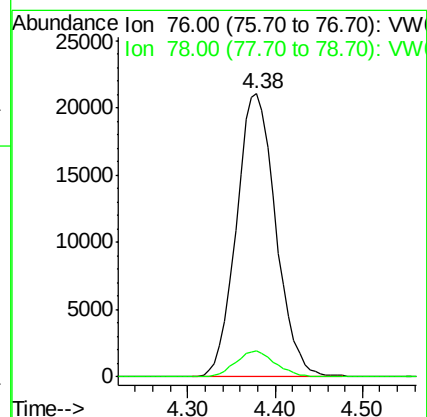
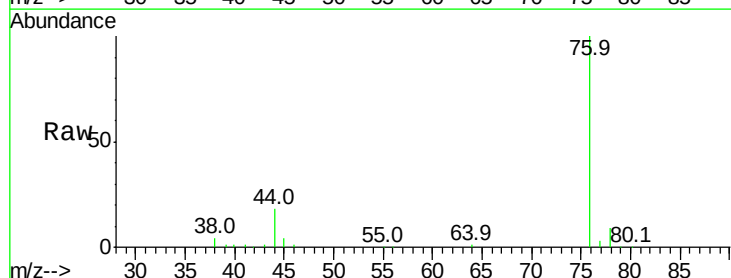
Acq: 04 May 2020 14:29

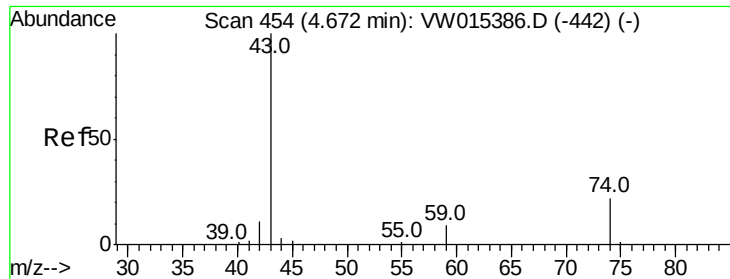
Tgt Ion: 76 Resp: 65884

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

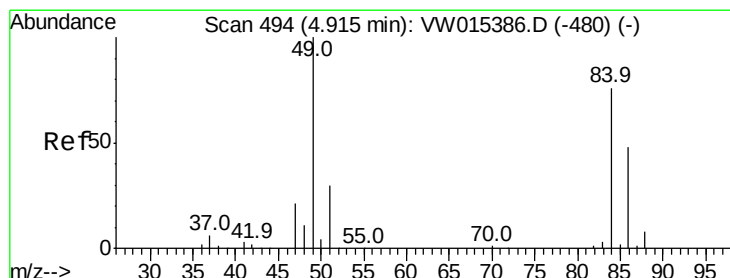
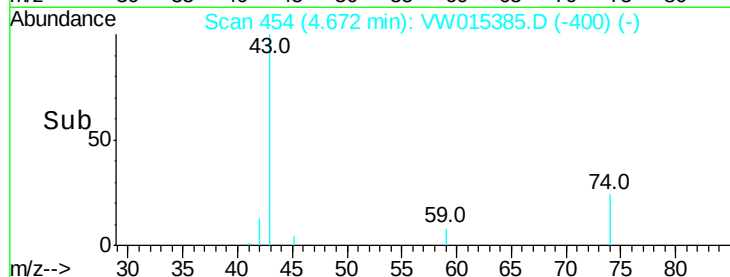
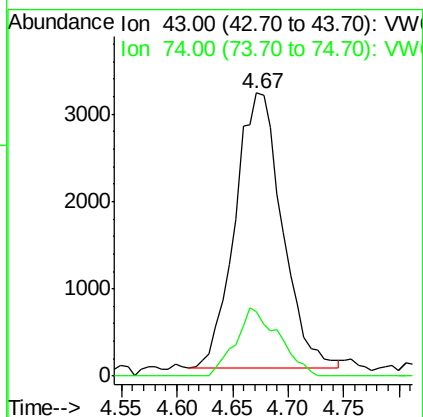
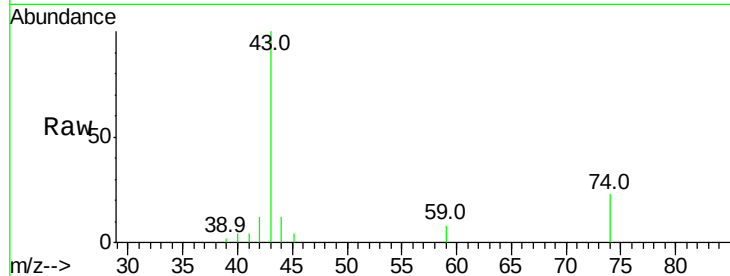




#15
Methyl Acetate
Concen: 7.262 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

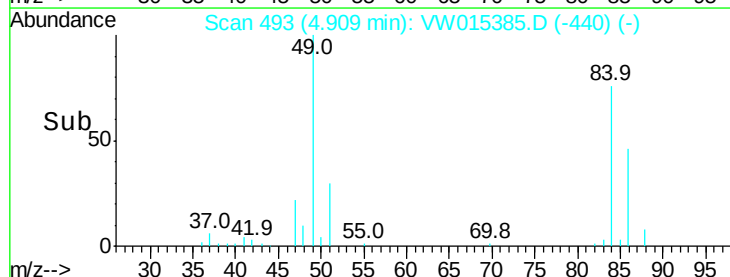
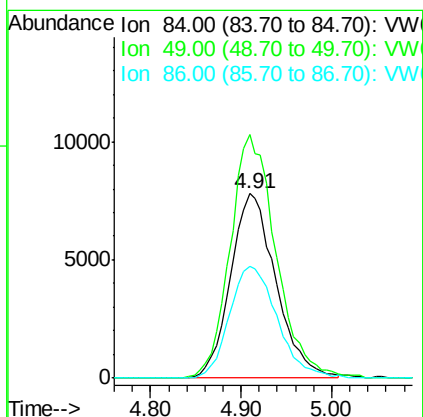
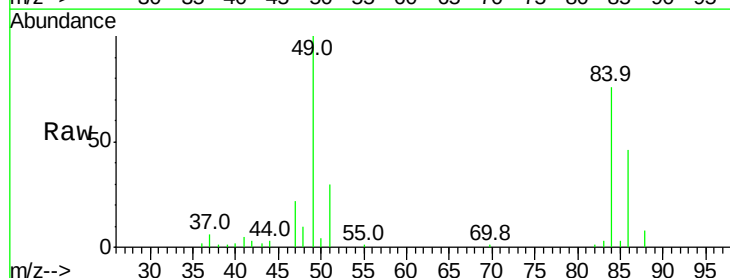
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

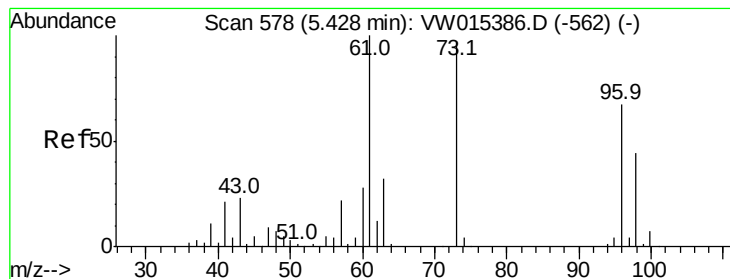
Tgt Ion: 43 Resp: 9222
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6



#16
Methylene chloride
Concen: 6.294 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

Tgt Ion: 84 Resp: 27079
Ion Ratio Lower Upper
84 100
49 132.1 91.6 170.2
86 60.3 44.0 81.8





#17

Methyl tert-butyl Ether

Concen: 5.956 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampled :

VSTD00503

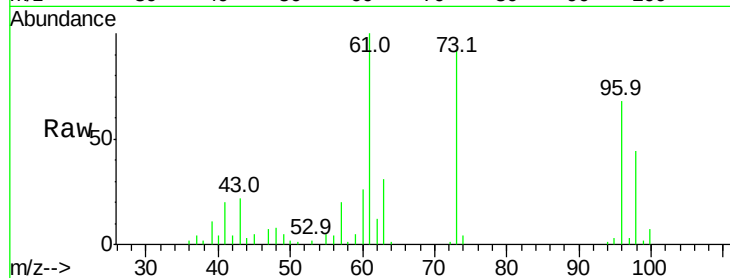
Tgt Ion: 73 Resp: 33479

Ion Ratio Lower Upper

73 100

43 24.3 19.3 28.9

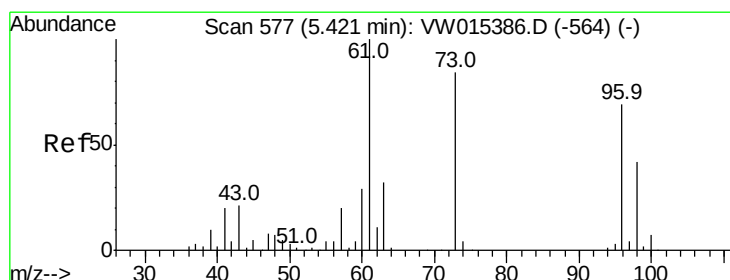
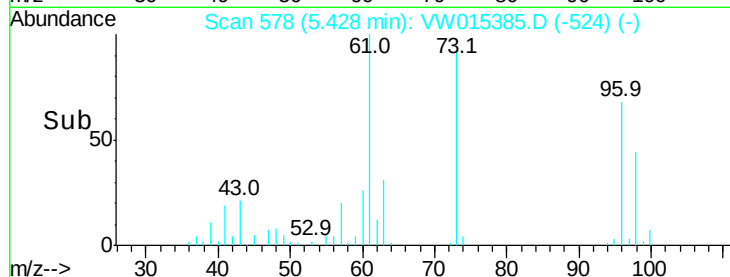
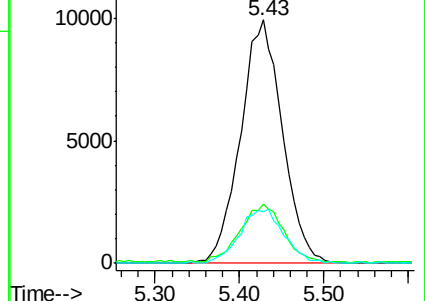
57 23.1 18.1 27.1



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: 5.516 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

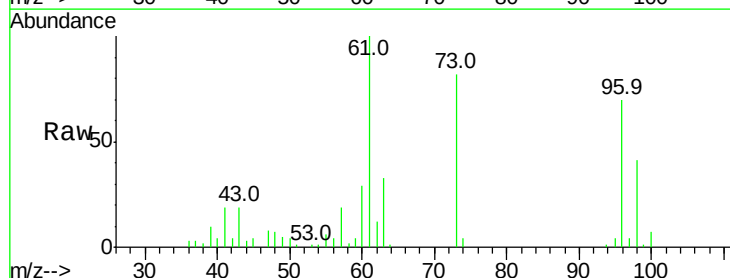
Tgt Ion: 96 Resp: 22968

Ion Ratio Lower Upper

96 100

61 142.4 101.1 187.7

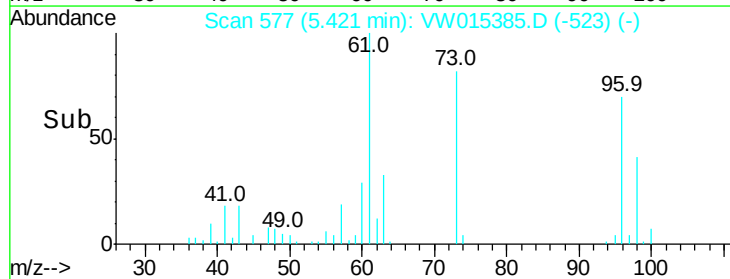
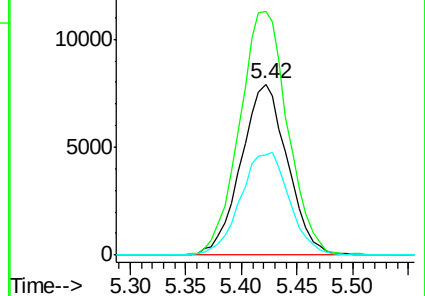
98 58.8 42.4 78.8

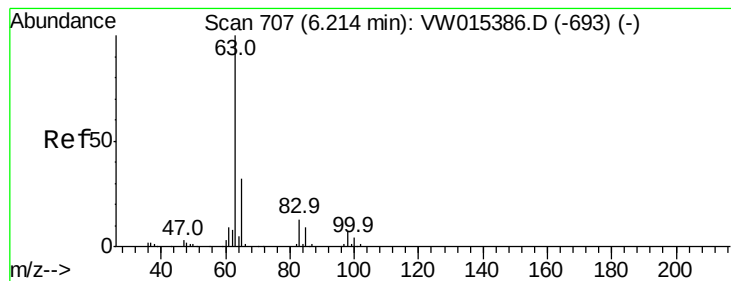


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 6.570 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

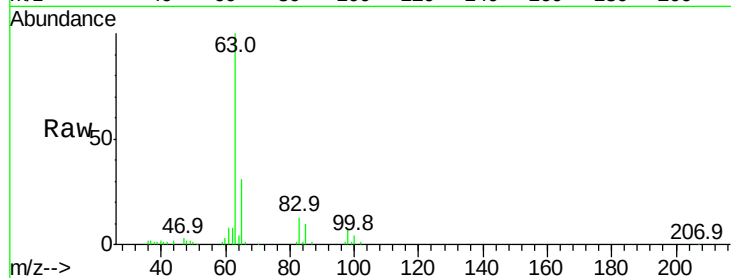
Tgt Ion: 63 Resp: 42609

Ion Ratio Lower Upper

63 100

65 31.0 22.6 42.0

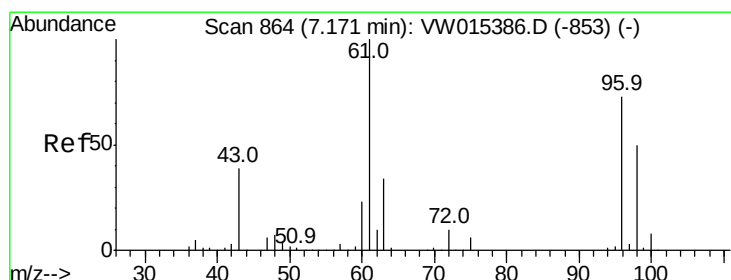
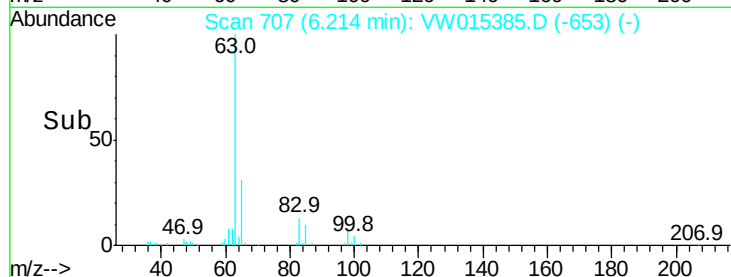
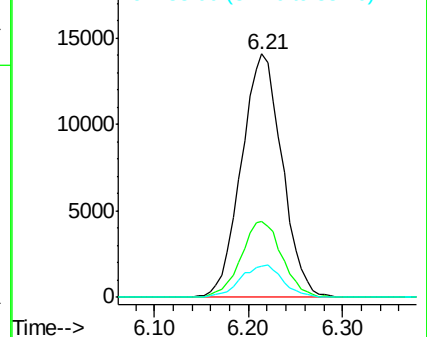
83 12.8 9.1 16.9



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: 12.603 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015385.D

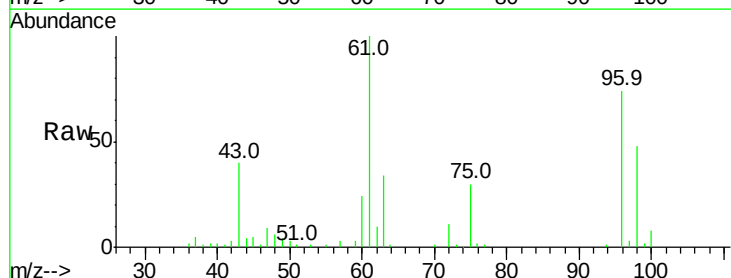
Acq: 04 May 2020 14:29

Tgt Ion: 43 Resp: 12137

Ion Ratio Lower Upper

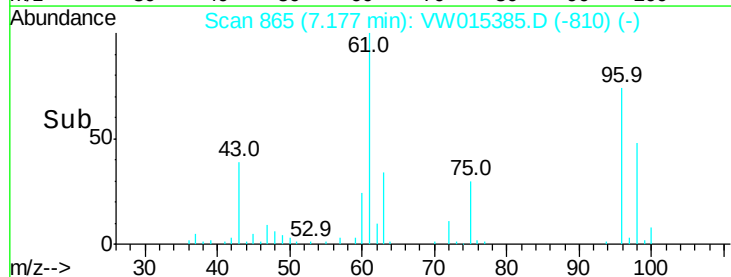
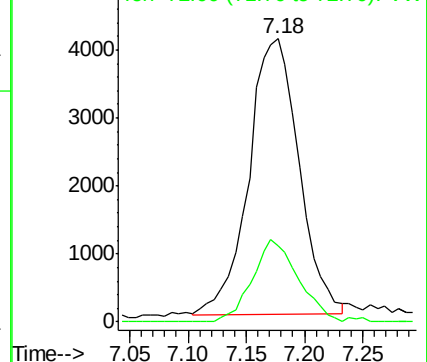
43 100

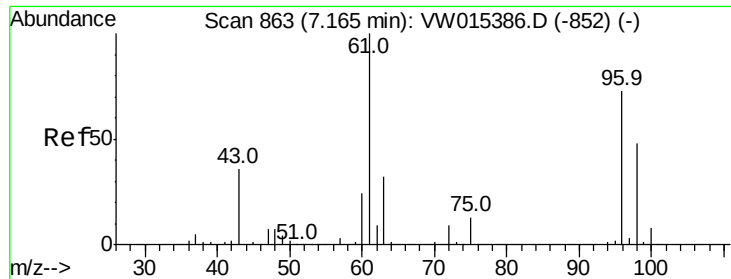
72 27.4 13.6 40.8



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: 5.317 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

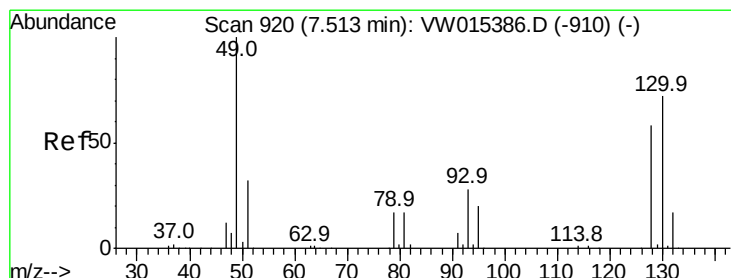
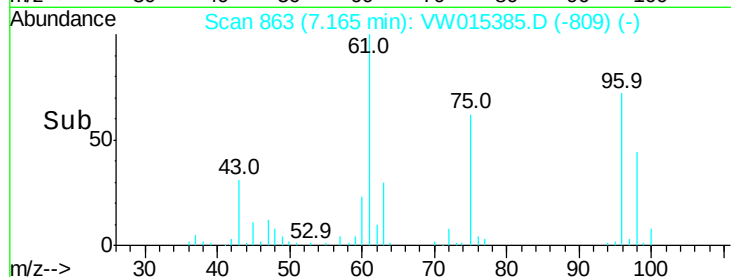
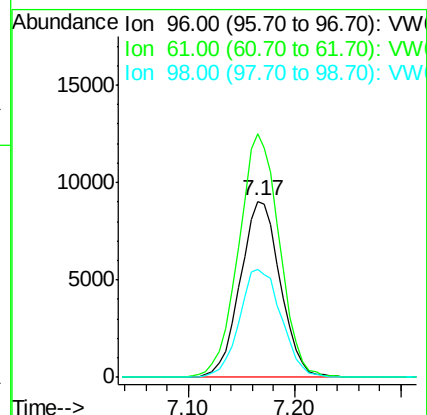
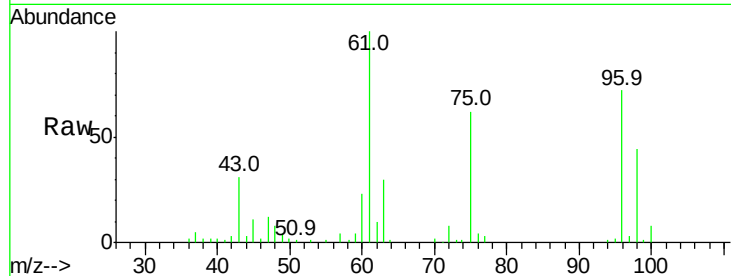
Tgt Ion: 96 Resp: 23909

Ion Ratio Lower Upper

96 100

61 138.1 95.8 178.0

98 61.4 45.9 85.3



#23

Bromochloromethane

Concen: 4.642 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Tgt Ion: 128 Resp: 10022

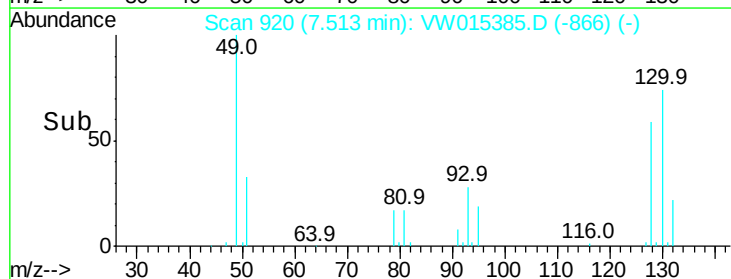
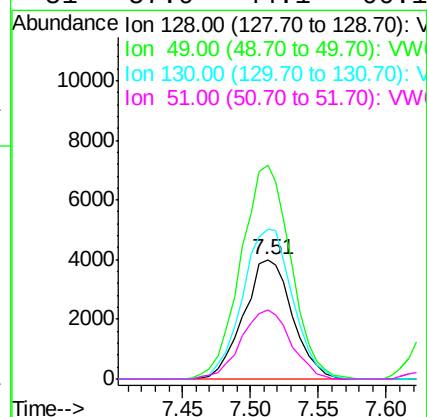
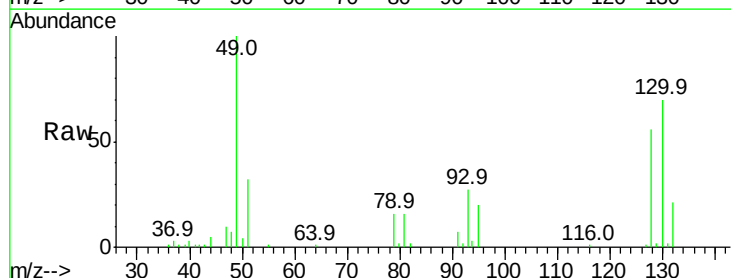
Ion Ratio Lower Upper

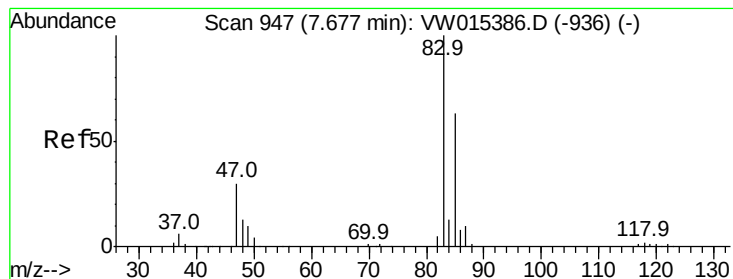
128 100

49 178.9 120.2 223.2

130 125.3 86.5 160.7

51 57.9 44.1 66.1





#25

Chloroform

Concen: 5.586 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampled :

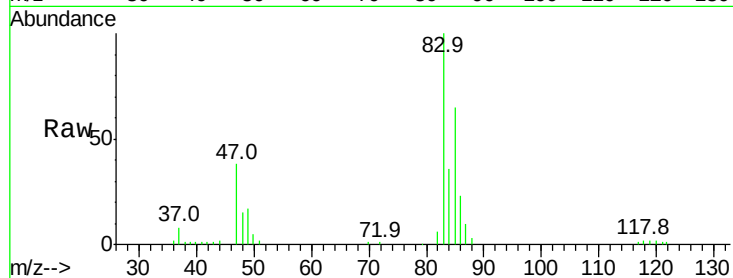
VSTD00503

Tgt Ion: 83 Resp: 41210

Ion Ratio Lower Upper

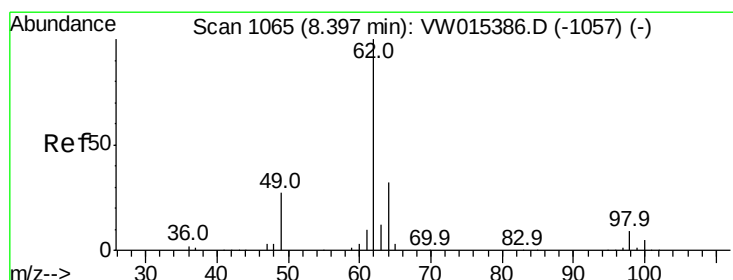
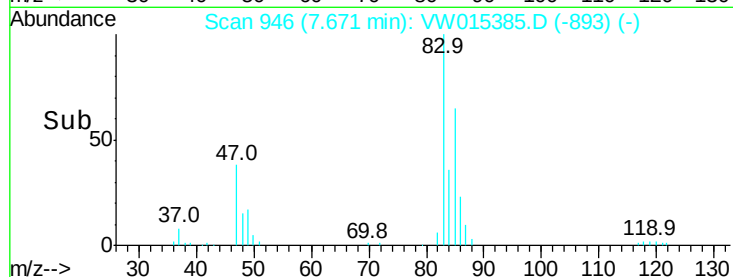
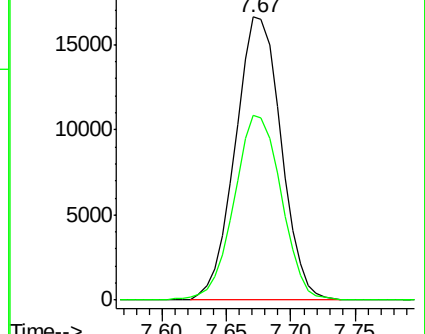
83 100

85 67.0 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: 5.983 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015385.D

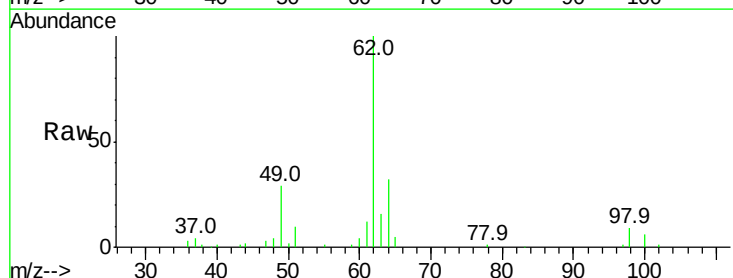
Acq: 04 May 2020 14:29

Tgt Ion: 62 Resp: 27992

Ion Ratio Lower Upper

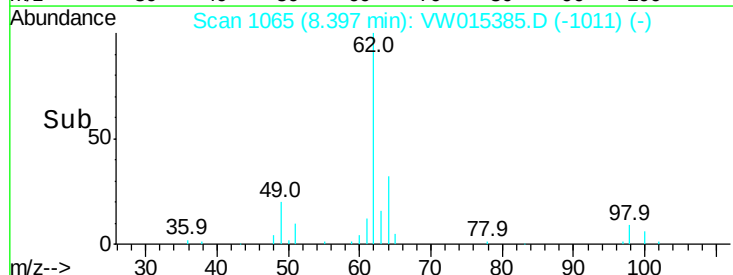
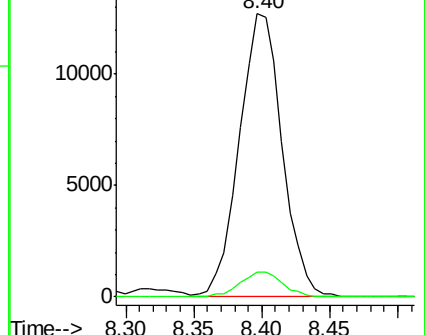
62 100

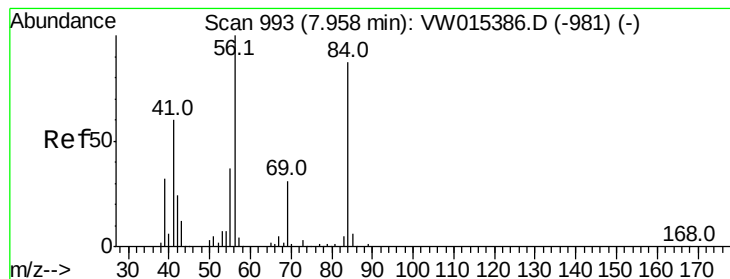
98 8.9 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 7.214 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

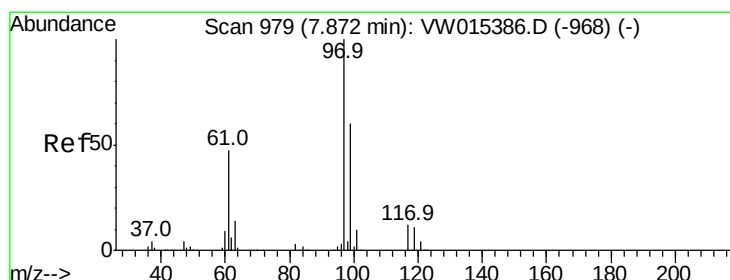
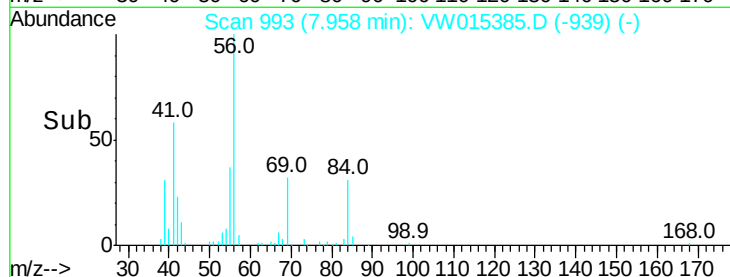
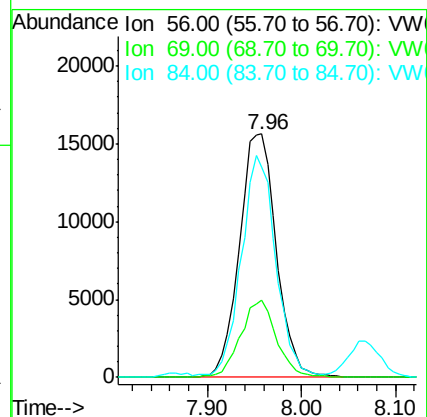
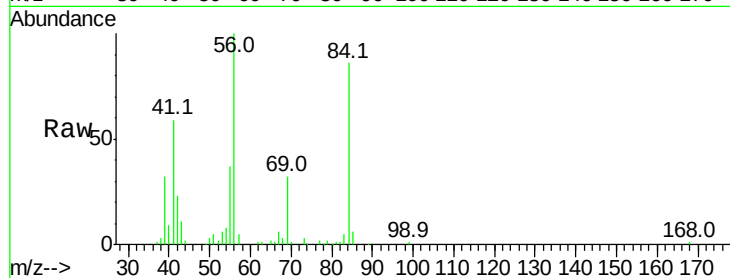
Tgt Ion: 56 Resp: 42858

Ion Ratio Lower Upper

56 100

69 30.7 24.5 36.7

84 85.7 69.2 103.8



#31

1,1,1-Trichloroethane

Concen: 5.364 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

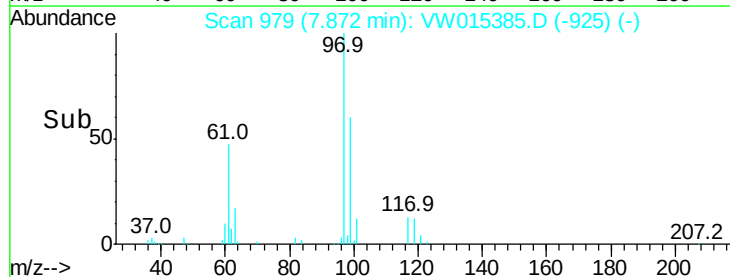
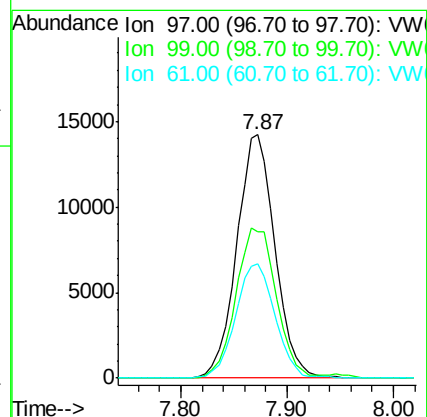
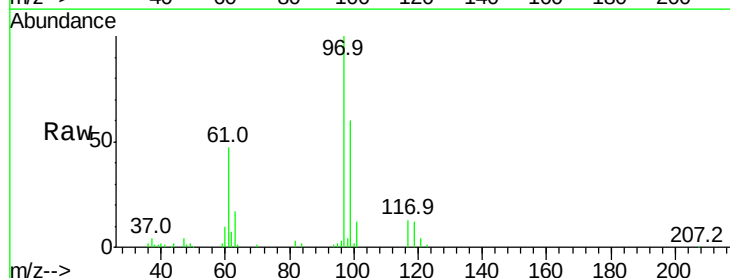
Tgt Ion: 97 Resp: 35813

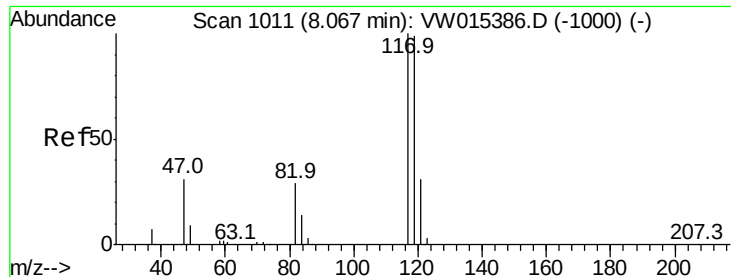
Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

61 48.5 38.6 57.8





#32

Carbon tetrachloride

Concen: 5.102 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

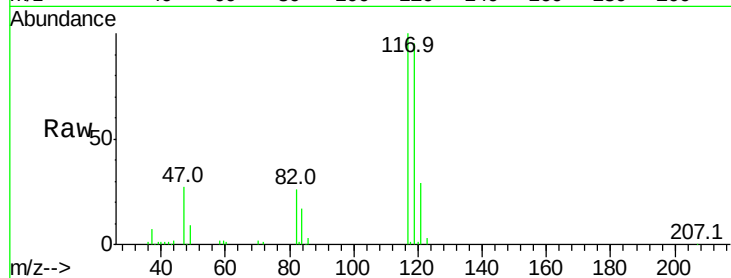
VSTD00503

Tgt Ion:117 Resp: 32937

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

15000

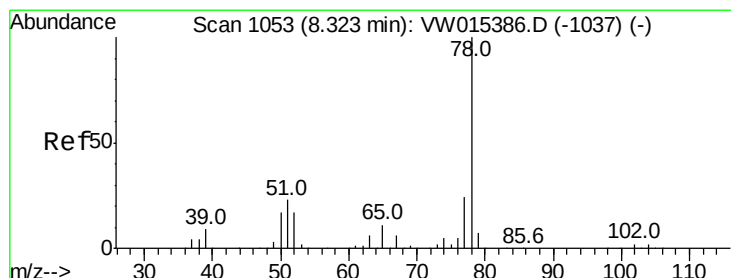
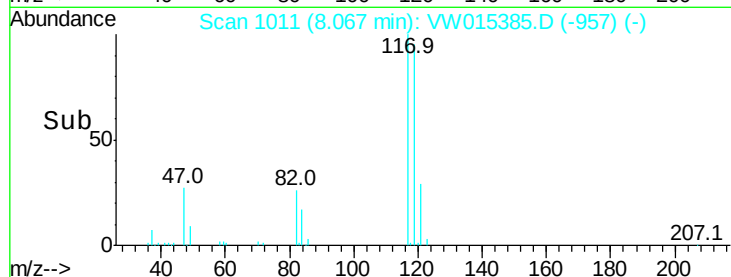
10000

5000

0

8.07

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.922 ug/L

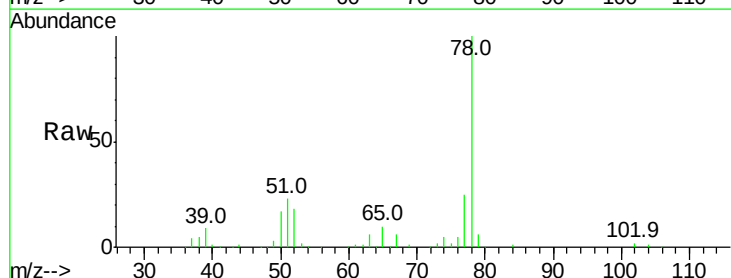
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Tgt Ion: 78 Resp: 94183



Abundance Ion 78.00 (77.70 to 78.70): VW

50000

40000

30000

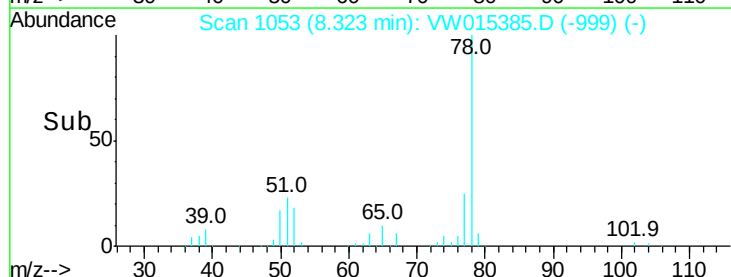
20000

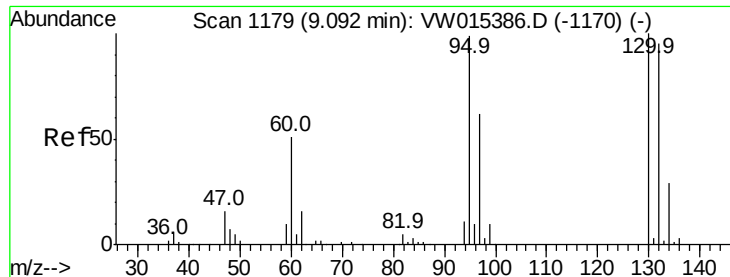
10000

0

8.32

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 5.473 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion: 95 Resp: 25041

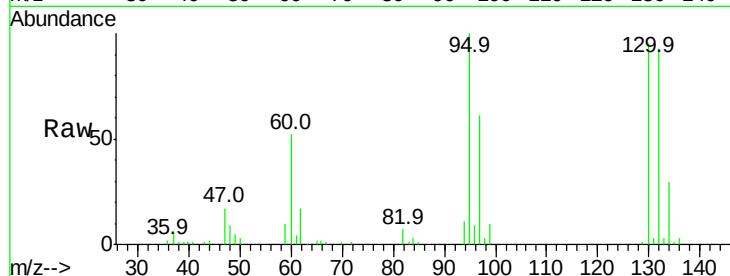
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.5

132 91.4 64.5 119.7

130 95.1 68.5 127.3

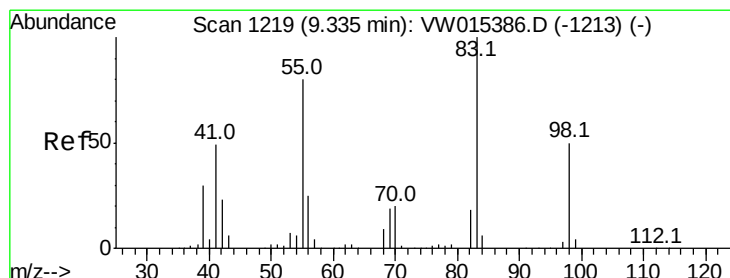
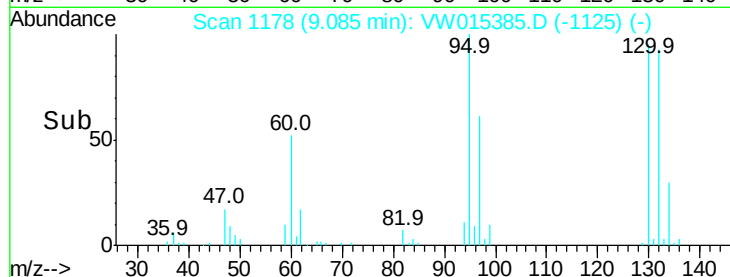
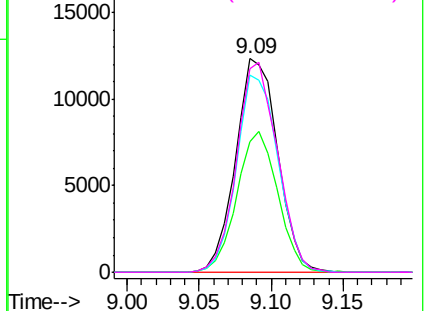


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.933 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

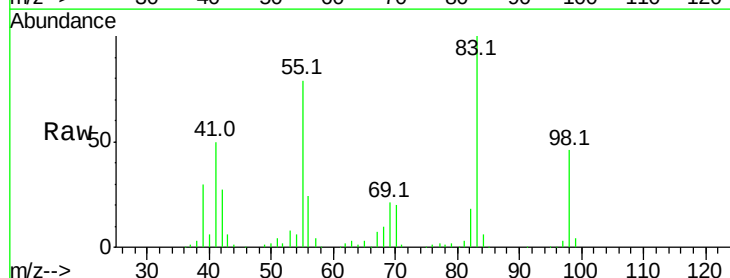
Tgt Ion: 83 Resp: 45763

Ion Ratio Lower Upper

83 100

55 79.7 64.5 96.7

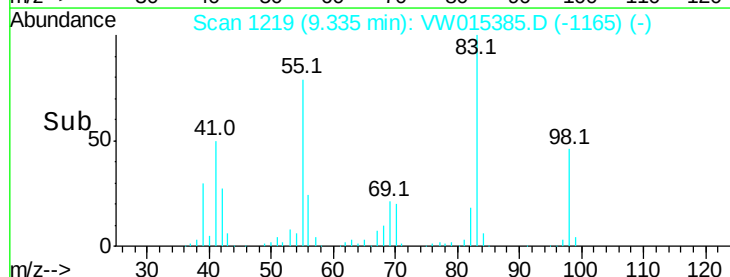
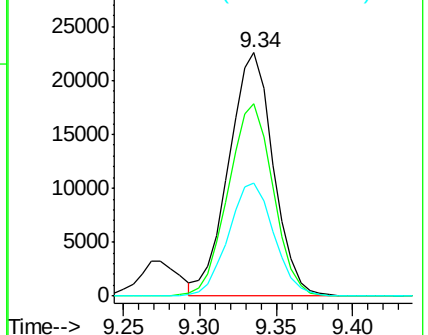
98 47.5 39.8 59.6

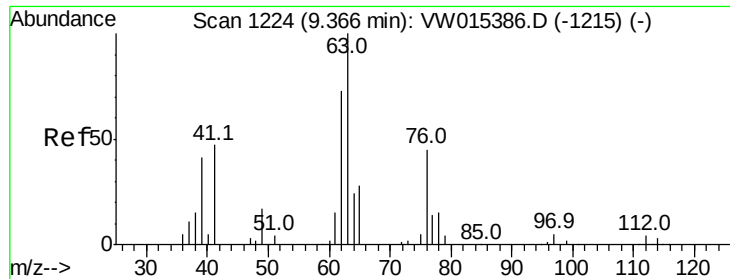


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

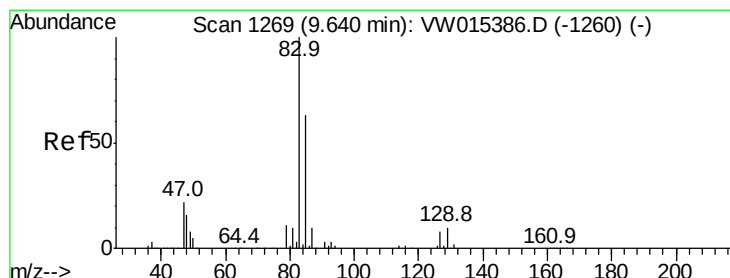
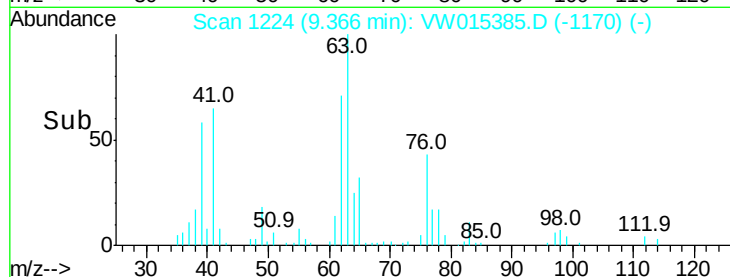
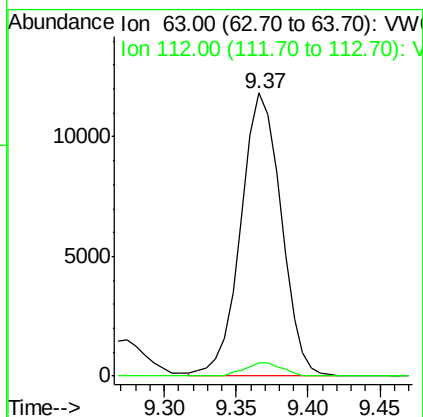
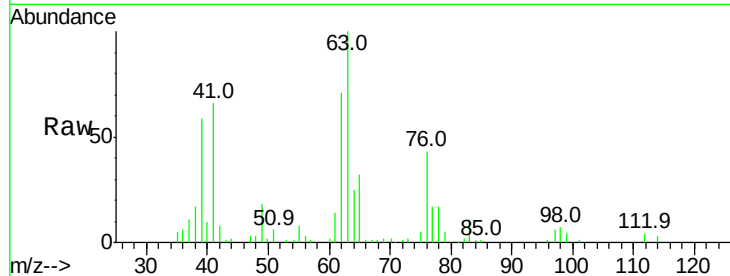




#40
 1,2-Dichloropropane
 Concen: 6.401 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

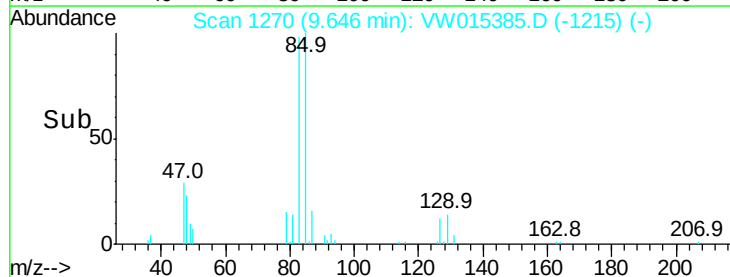
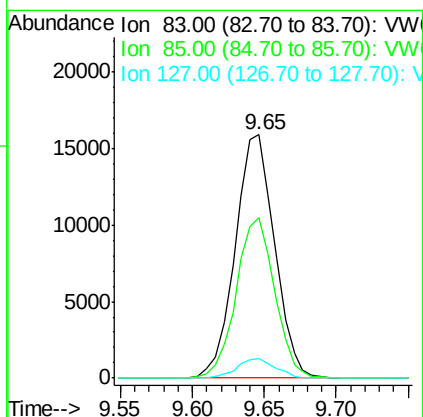
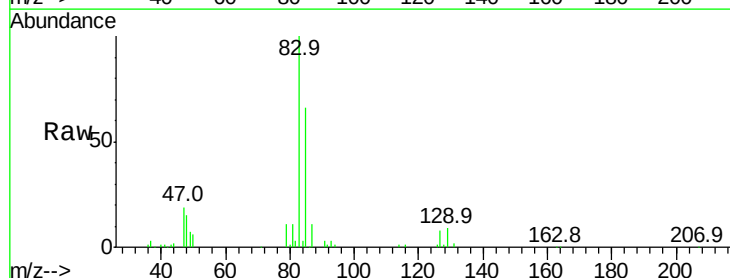
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

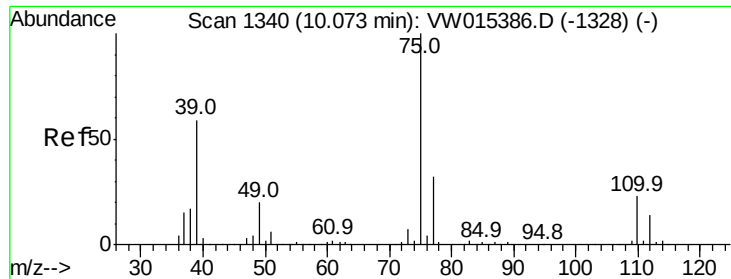
Tgt Ion: 63 Resp: 23104
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#41
 Bromodichloromethane
 Concen: 5.470 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

Tgt Ion: 83 Resp: 30219
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.2 82.0
 127 8.1 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 5.779 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

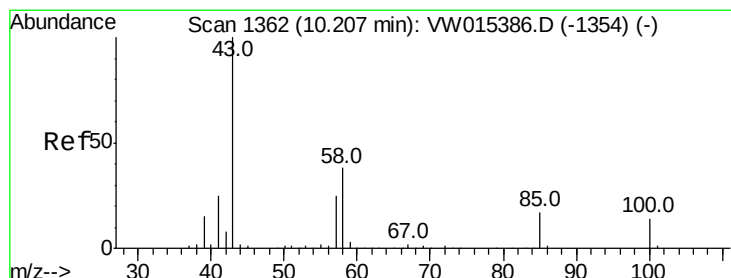
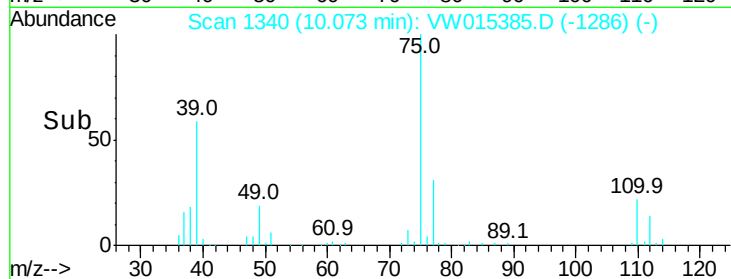
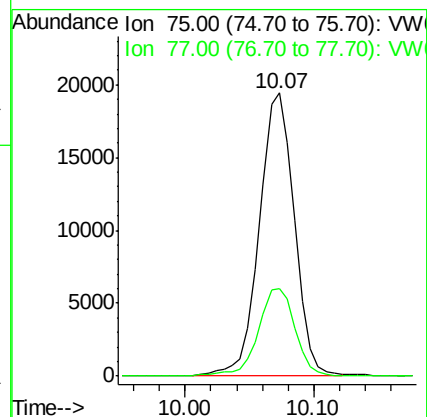
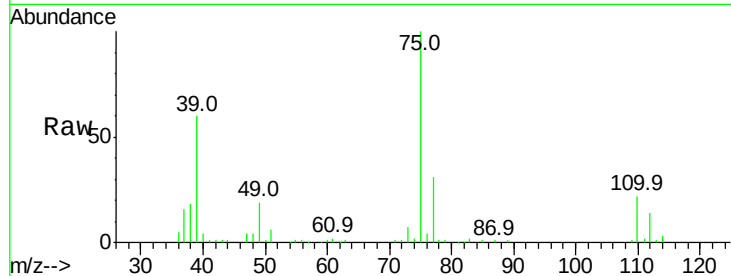
VSTD00503

Tgt Ion: 75 Resp: 36523

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 11.944 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

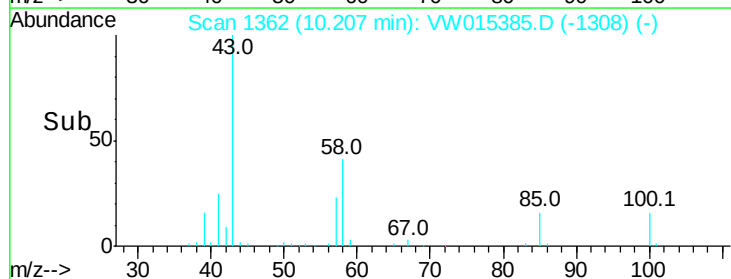
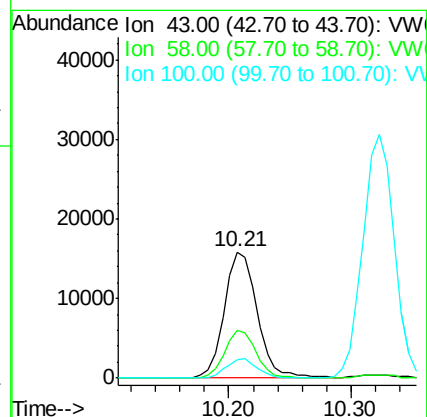
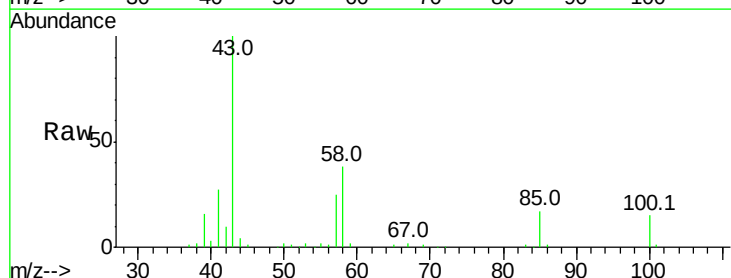
Tgt Ion: 43 Resp: 29072

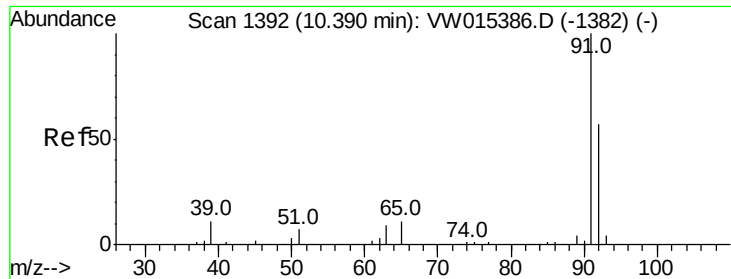
Ion Ratio Lower Upper

43 100

58 36.7 30.5 45.7

100 14.7 12.1 18.1





#44

Toluene

Concen: 5.460 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampled :

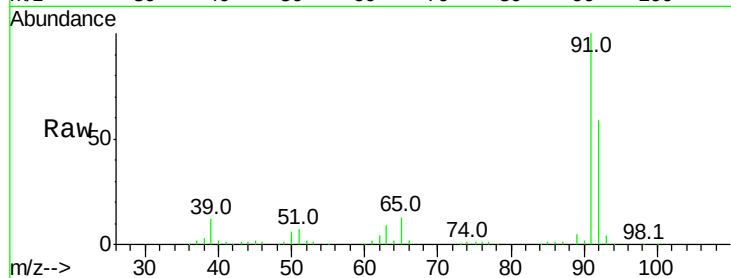
VSTD00503

Tgt Ion: 91 Resp: 100776

Ion Ratio Lower Upper

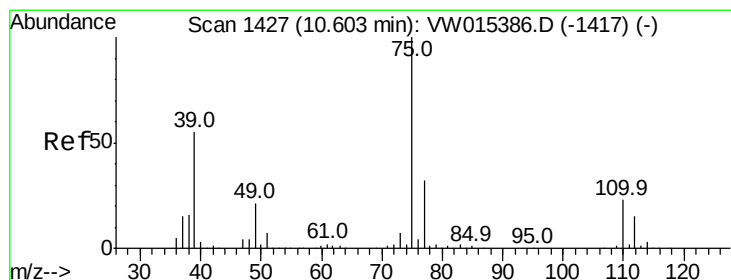
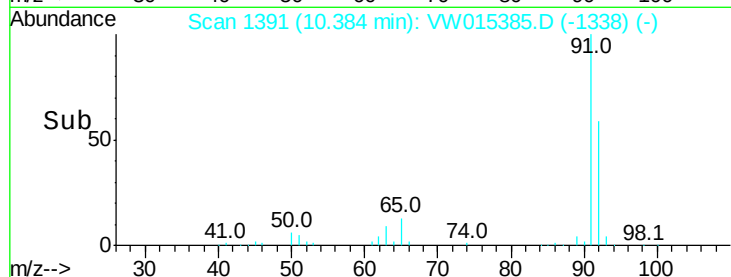
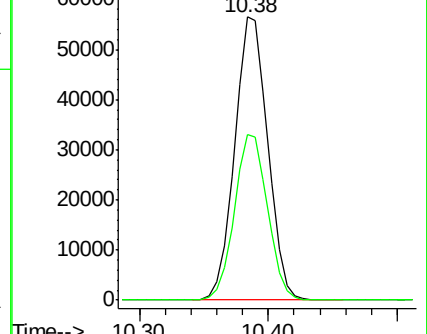
91 100

92 58.7 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: 5.470 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015385.D

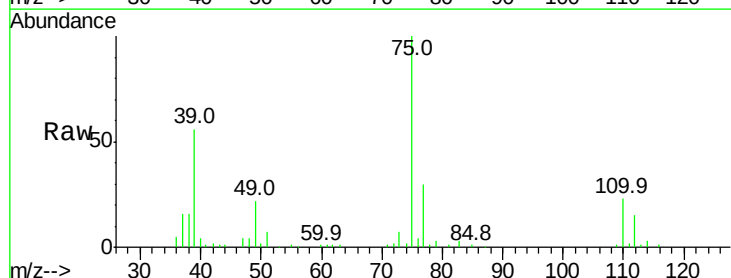
Acq: 04 May 2020 14:29

Tgt Ion: 75 Resp: 30726

Ion Ratio Lower Upper

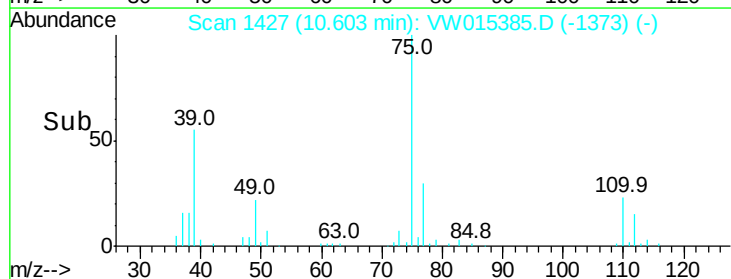
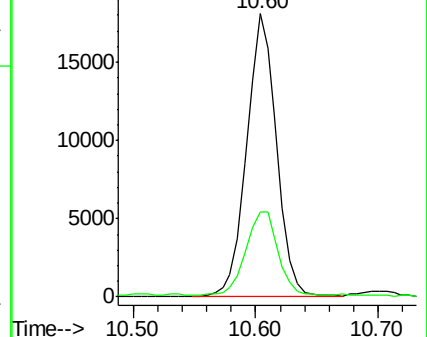
75 100

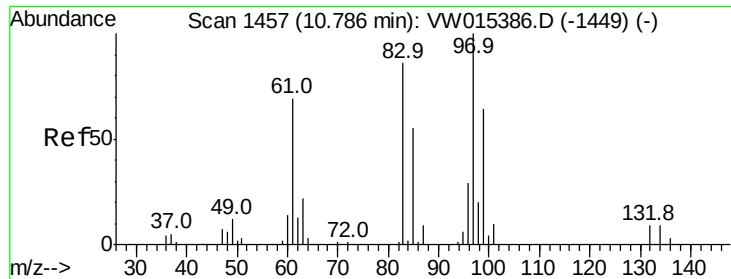
77 30.2 22.3 41.3



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: 5.095 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion: 97 Resp: 15784

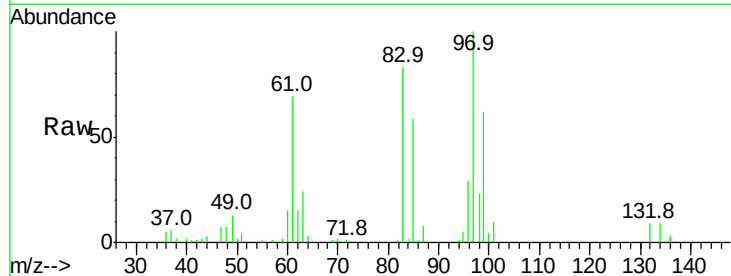
Ion Ratio Lower Upper

97 100

83 82.7 60.5 112.5

85 59.0 38.8 72.0

99 61.8 44.7 82.9

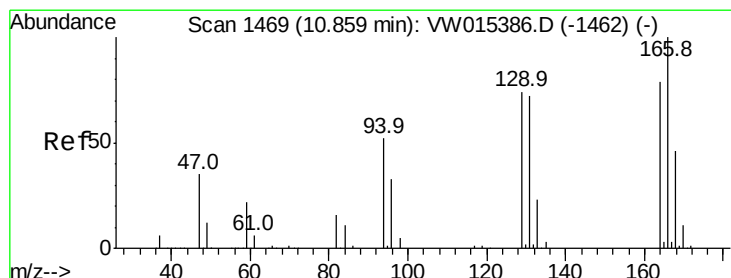
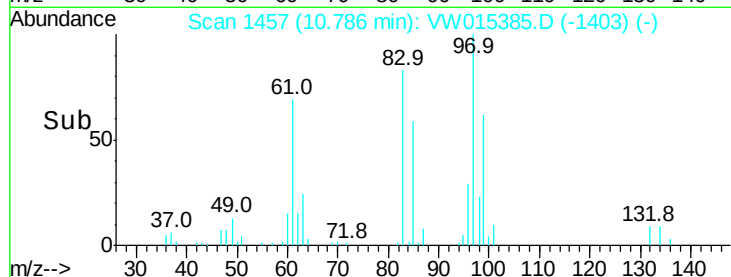
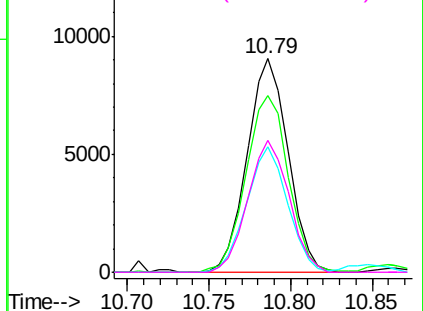


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.351 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Tgt Ion: 164 Resp: 18995

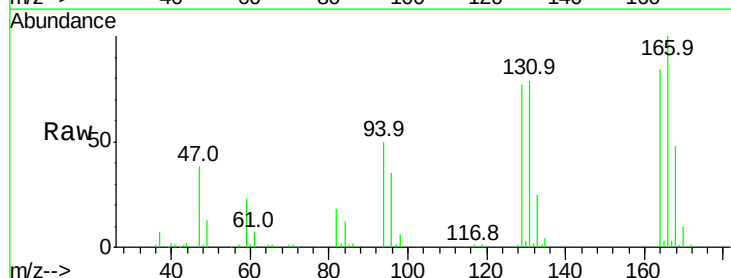
Ion Ratio Lower Upper

164 100

129 91.3 65.8 122.2

131 94.2 63.7 118.3

166 118.6 88.8 165.0

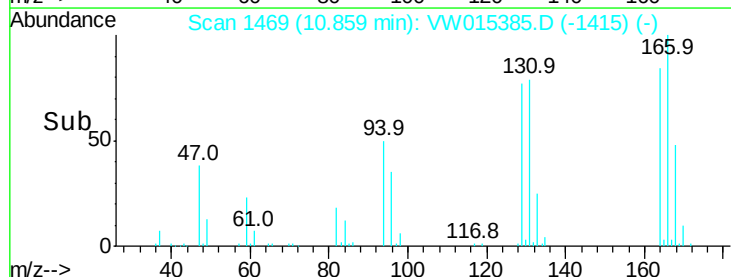
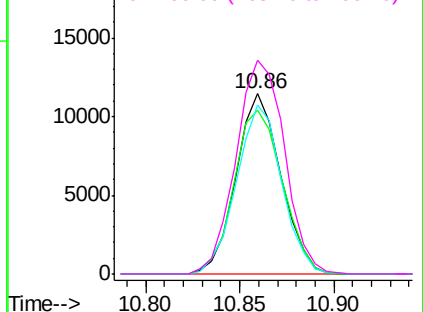


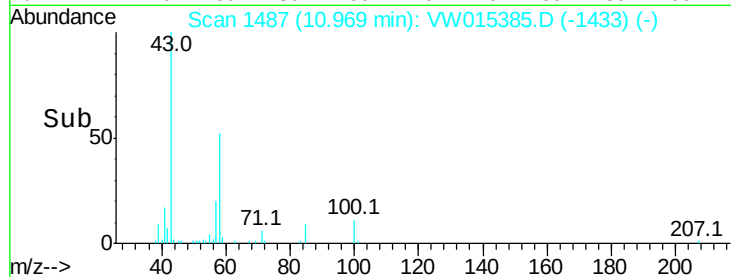
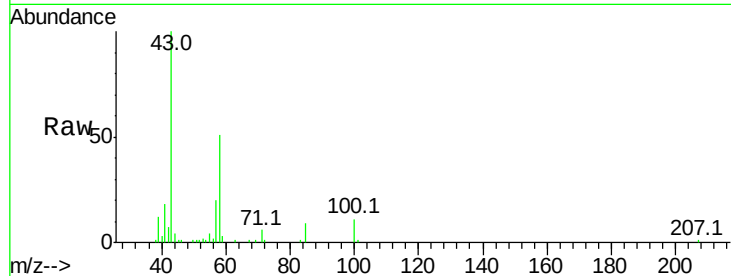
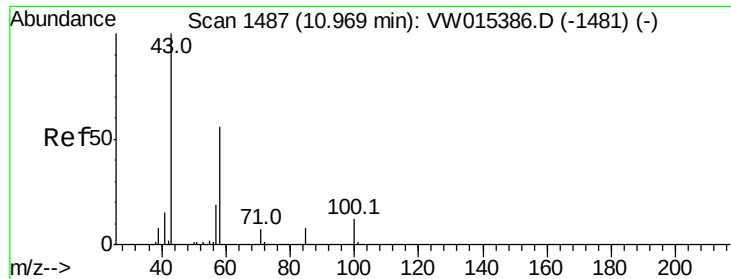
Abundance Ion 164.00 (163.70 to 164.70): V

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: 13.513 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion: 43 Resp: 18008

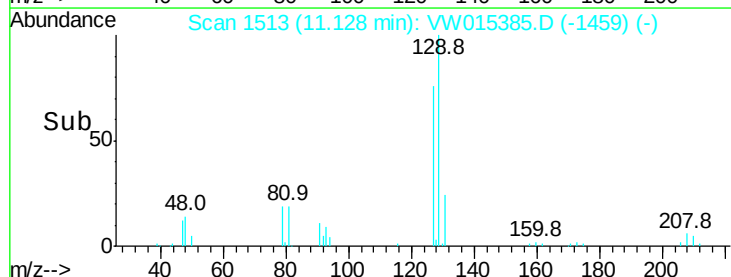
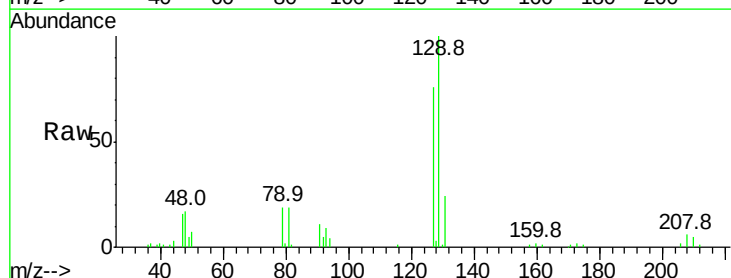
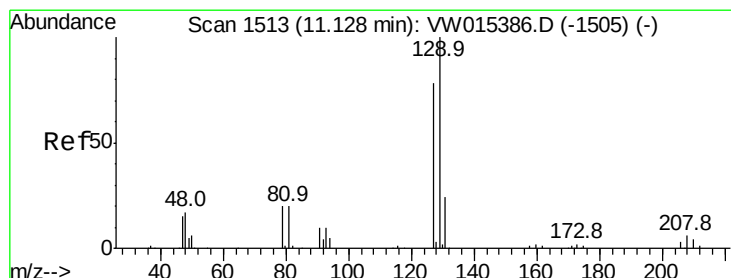
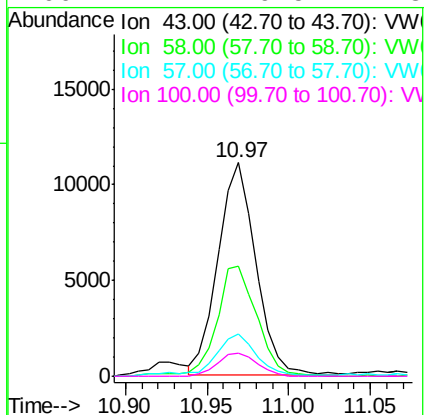
Ion Ratio Lower Upper

43 100

58 54.1 41.5 62.3

57 20.1 15.3 22.9

100 11.4 9.5 14.3



#50

Dibromochloromethane

Concen: 4.549 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015385.D

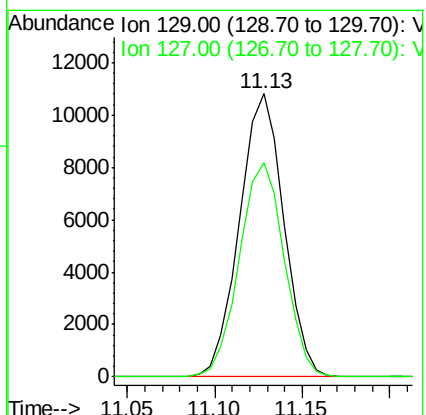
Acq: 04 May 2020 14:29

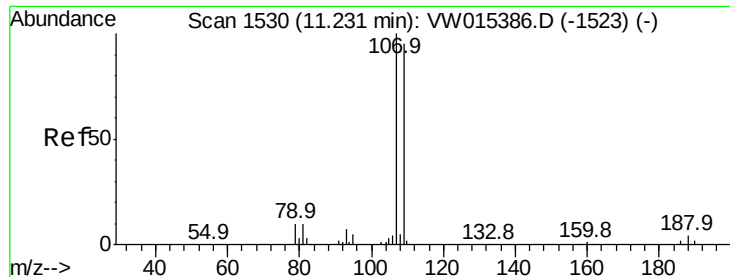
Tgt Ion: 129 Resp: 19059

Ion Ratio Lower Upper

129 100

127 75.9 54.5 101.1

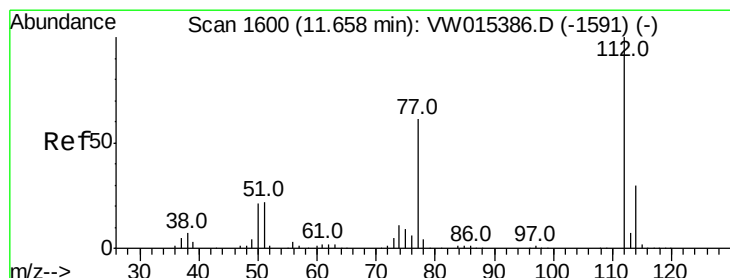
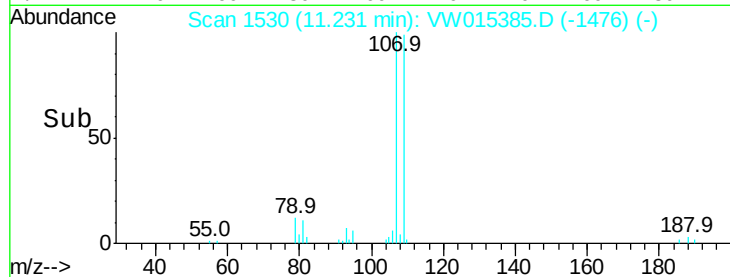
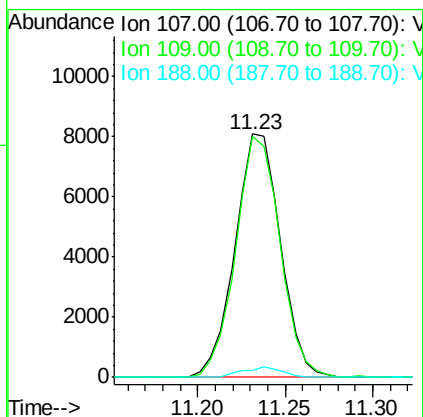
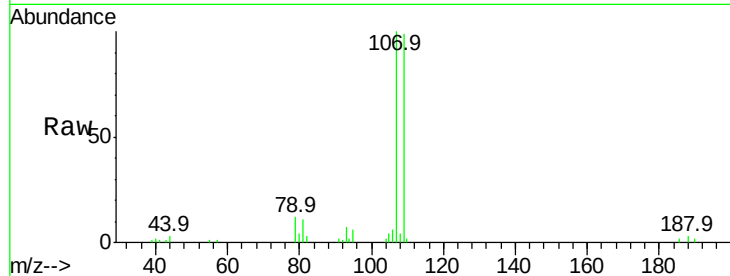




#51
1,2-Dibromoethane
Concen: 4.742 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

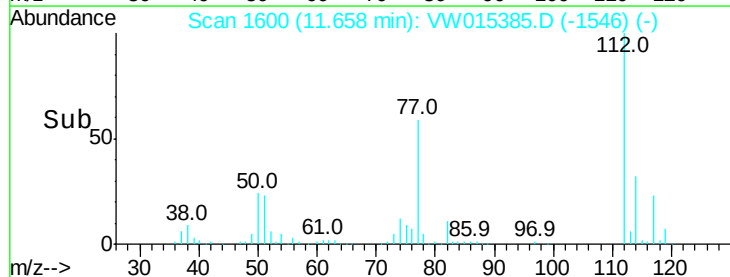
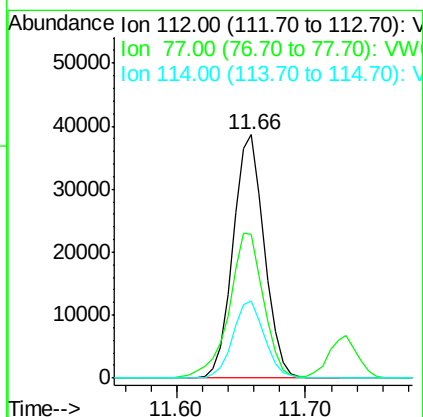
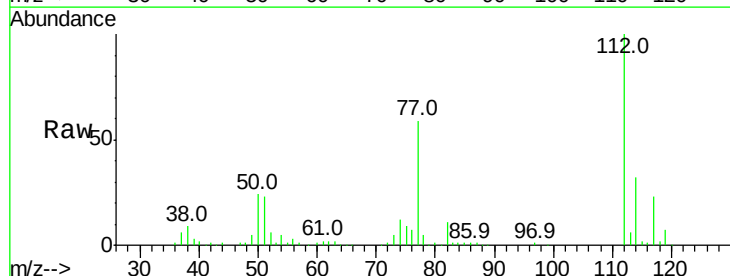
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

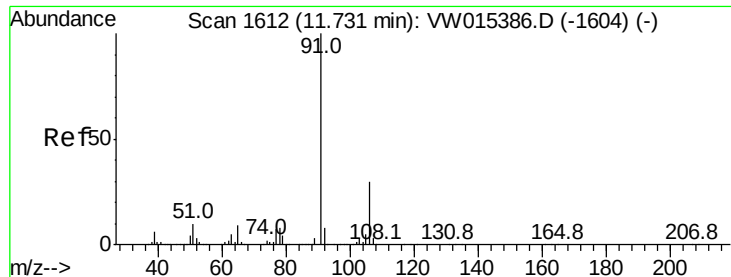
Tgt Ion:107 Resp: 14646
Ion Ratio Lower Upper
107 100
109 99.2 66.2 123.0
188 2.7 2.9 4.3#



#52
Chlorobenzene
Concen: 5.215 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

Tgt Ion:112 Resp: 64878
Ion Ratio Lower Upper
112 100
77 59.2 48.6 73.0
114 31.6 21.2 39.4





#53

Ethylbenzene

Concen: 5.539 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

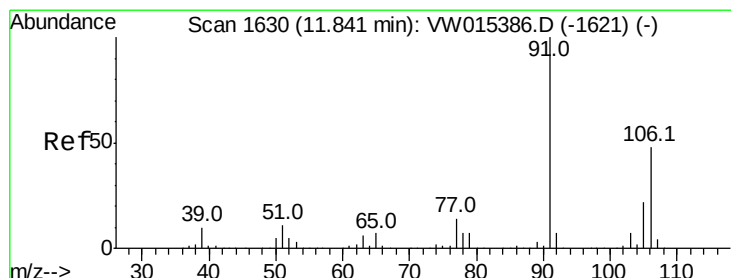
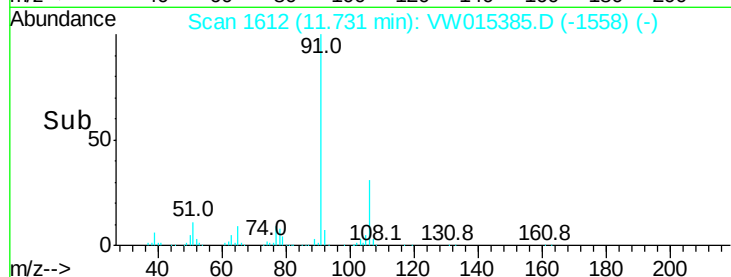
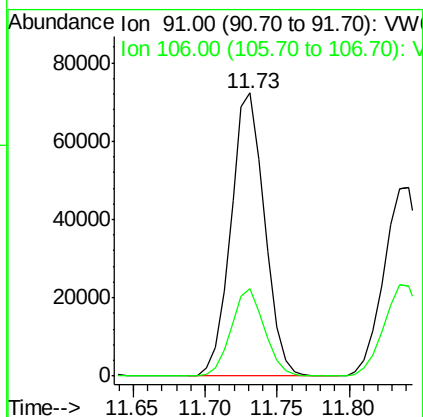
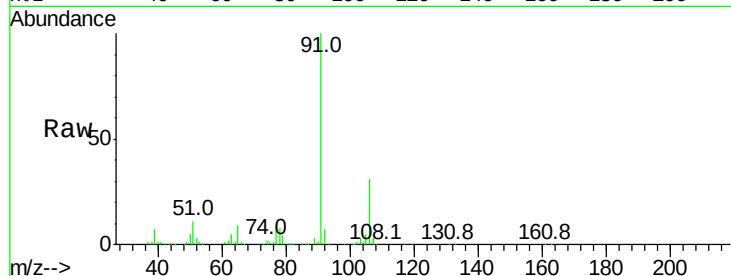
VSTD00503

Tgt Ion: 91 Resp: 118241

Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



#54

m,p-Xylene

Concen: 5.228 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015385.D

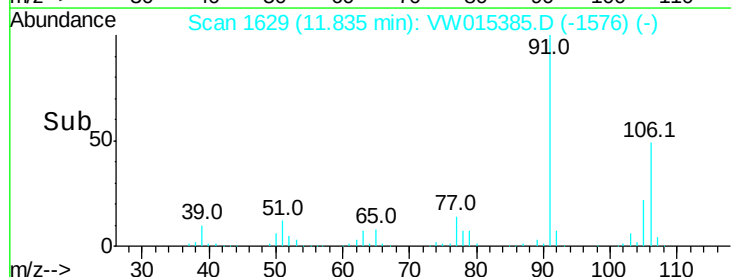
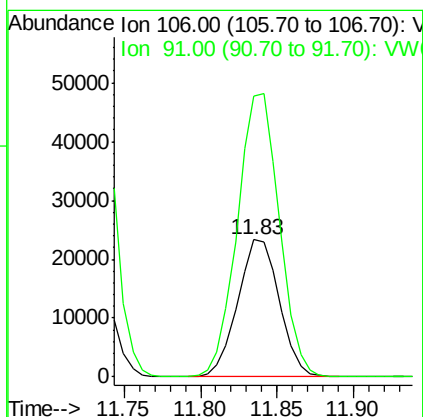
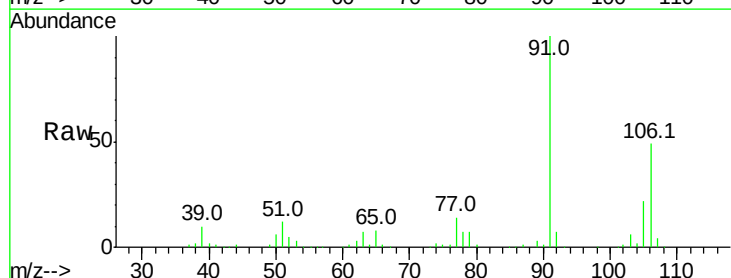
Acq: 04 May 2020 14:29

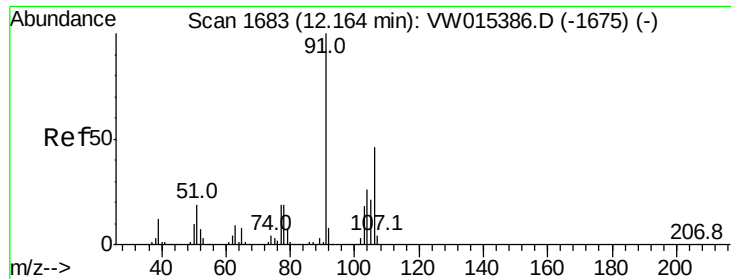
Tgt Ion: 106 Resp: 44183

Ion Ratio Lower Upper

106 100

91 204.5 145.0 269.4

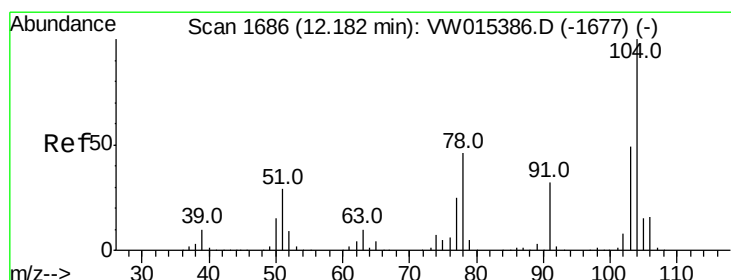
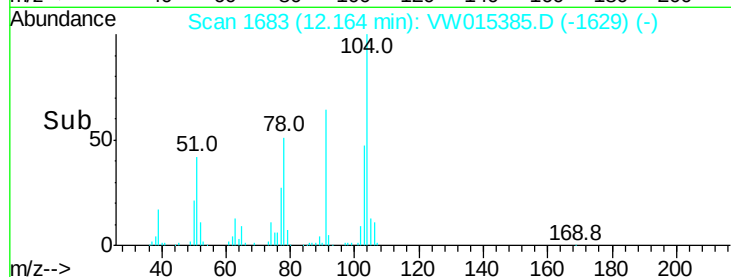
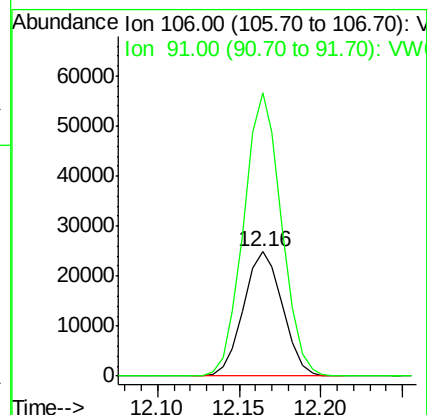
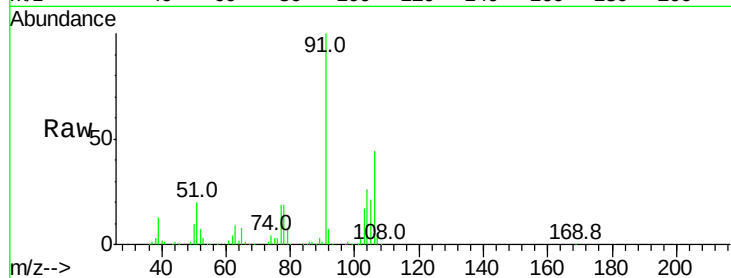




#55
o-xylene
Concen: 5.104 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

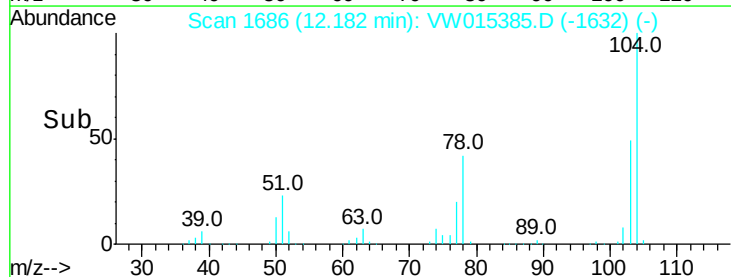
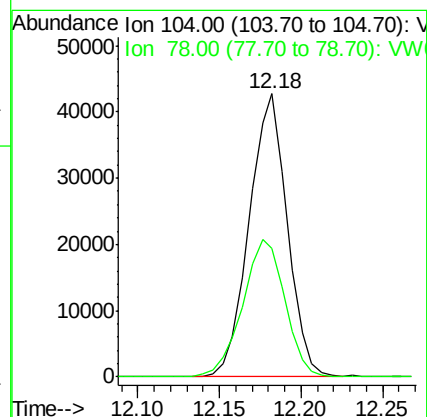
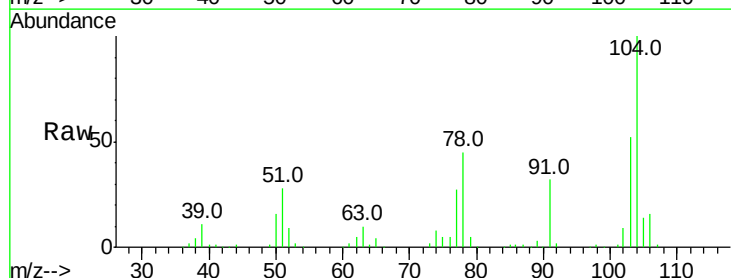
Instrument :
MSVOA_W
ClientSampled :
VSTD00503

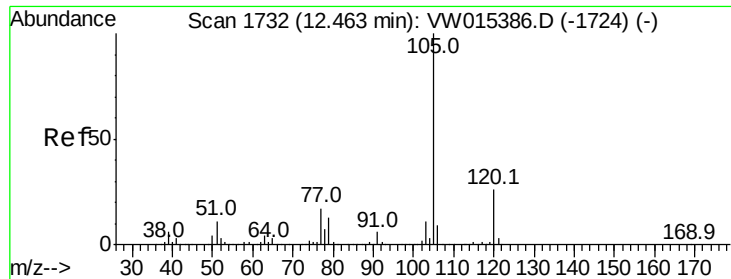
Tgt Ion:106 Resp: 41386
Ion Ratio Lower Upper
106 100
91 227.3 152.3 282.9



#56
Styrene
Concen: 5.096 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015385.D
Acq: 04 May 2020 14:29

Tgt Ion:104 Resp: 69363
Ion Ratio Lower Upper
104 100
78 45.2 32.4 60.2





#57

Isopropylbenzene

Concen: 5.282 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

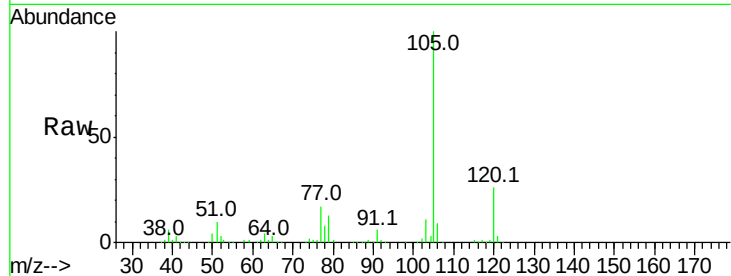
Tgt Ion:105 Resp: 116612

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

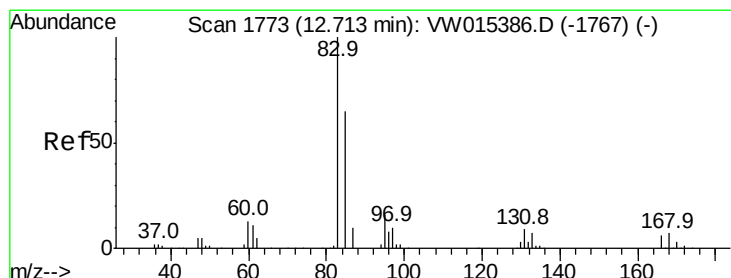
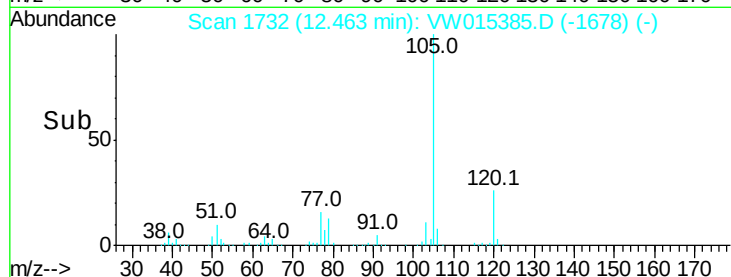
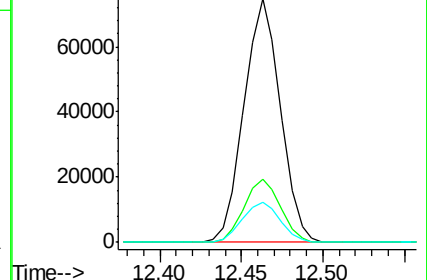
77 17.0 13.3 19.9



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: 5.298 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

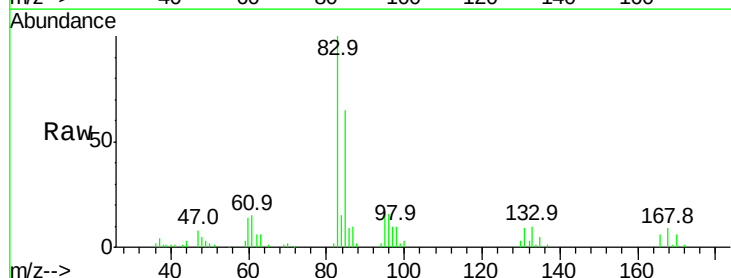
Tgt Ion: 83 Resp: 18255

Ion Ratio Lower Upper

83 100

85 65.2 46.3 86.1

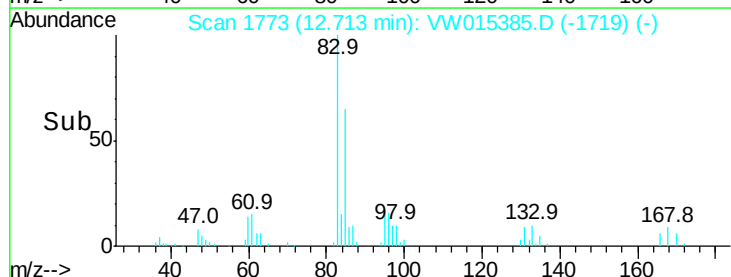
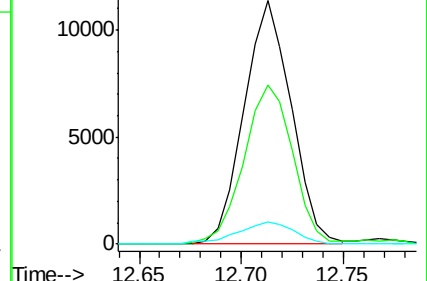
131 9.0 7.9 11.9

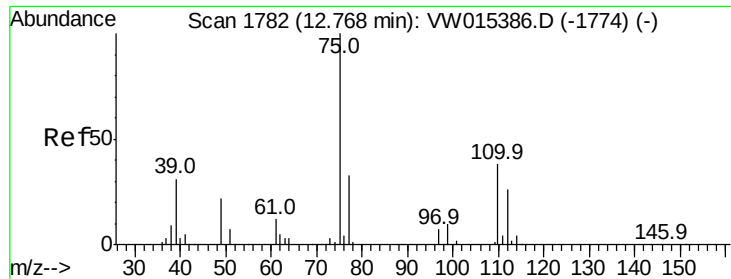


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

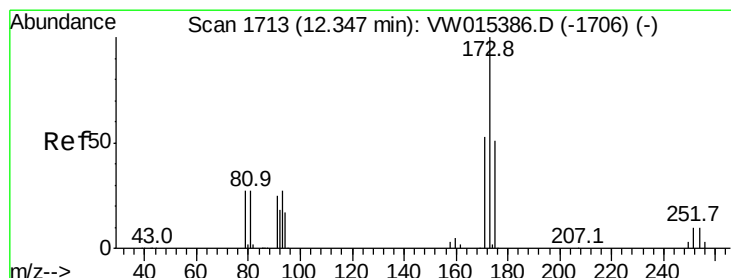
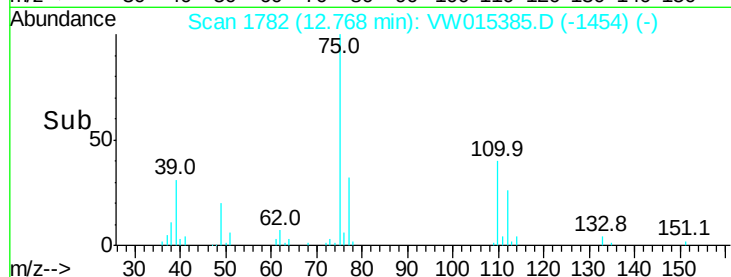
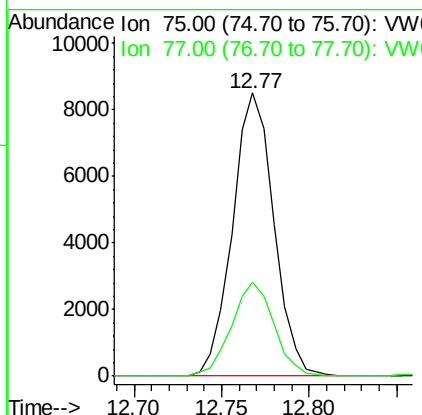
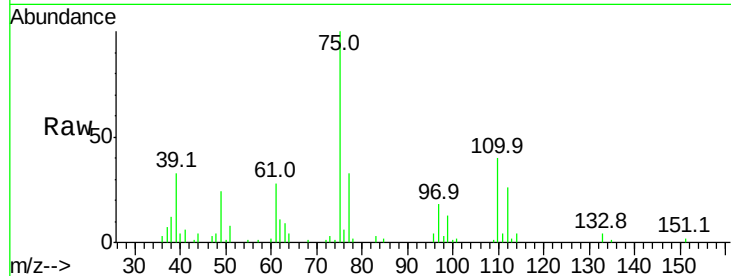




#59
 1,2,3-Trichloropropane
 Concen: 5.561 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

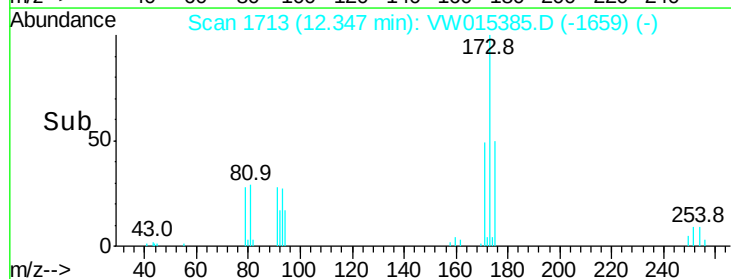
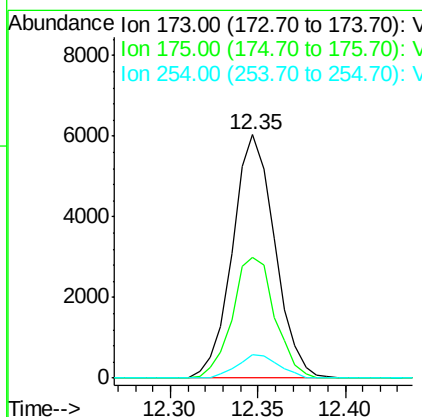
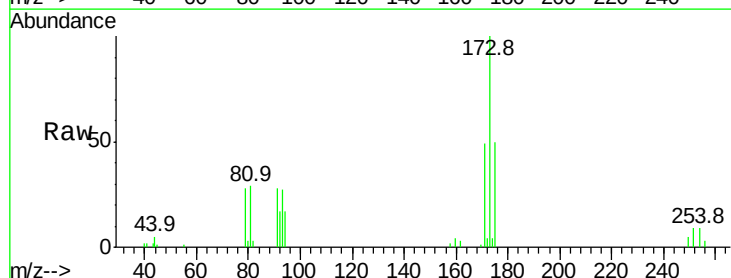
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

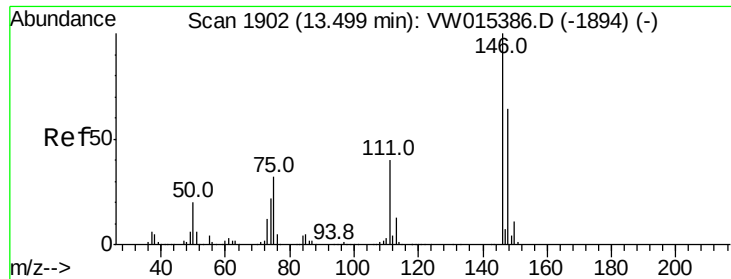
Tgt Ion: 75 Resp: 13974
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.9 38.9



#62
 Bromoform
 Concen: 4.189 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

Tgt Ion: 173 Resp: 10204
 Ion Ratio Lower Upper
 173 100
 175 49.6 40.7 61.1
 254 9.2 7.6 11.4





#63

1,3-Dichlorobenzene

Concen: 4.942 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

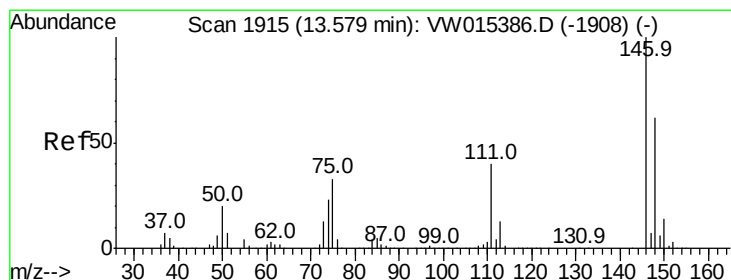
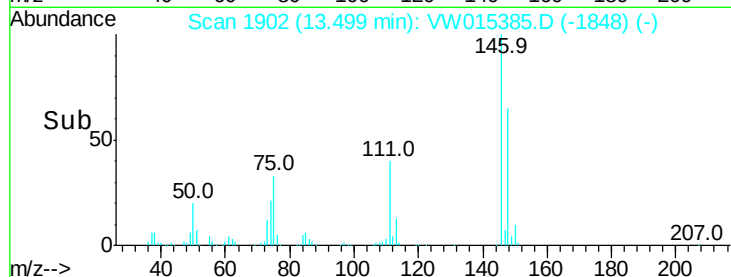
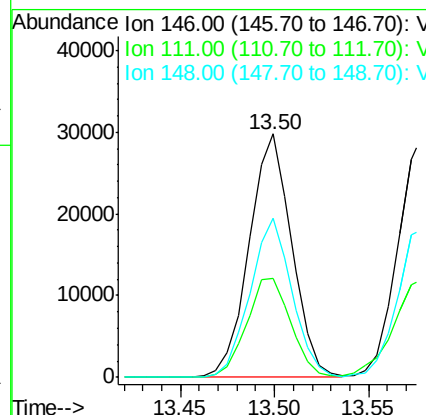
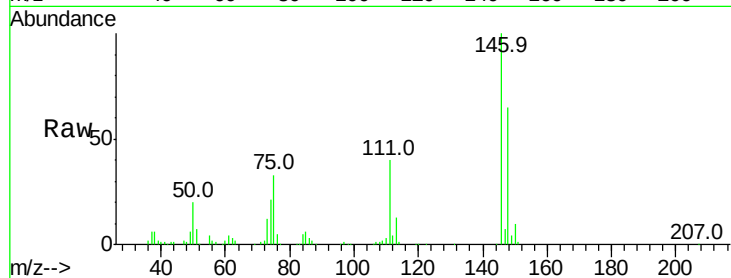
Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Tgt Ion:146 Resp: 46545

Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.9	51.9
148	65.3	44.5	82.7



#64

1,4-Dichlorobenzene

Concen: 5.126 ug/L

RT: 13.58 min Scan# 1915

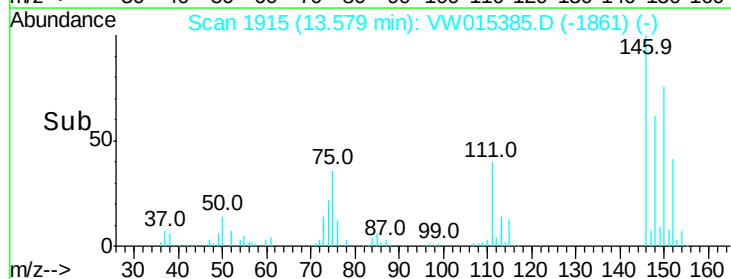
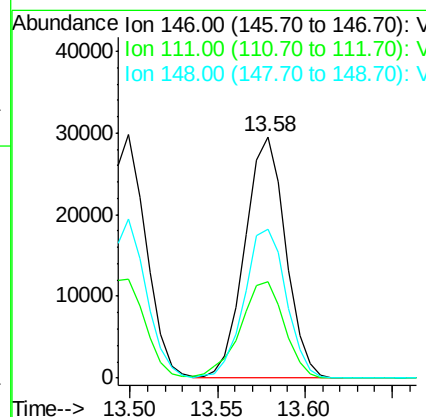
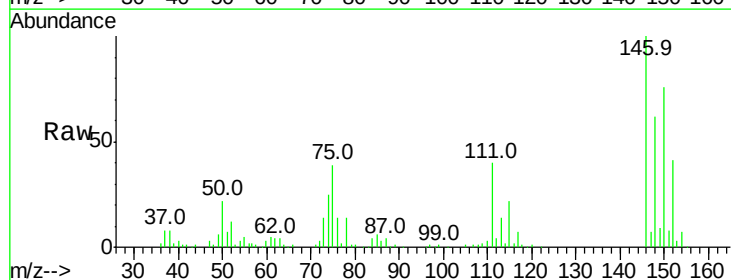
Delta R.T. 0.00 min

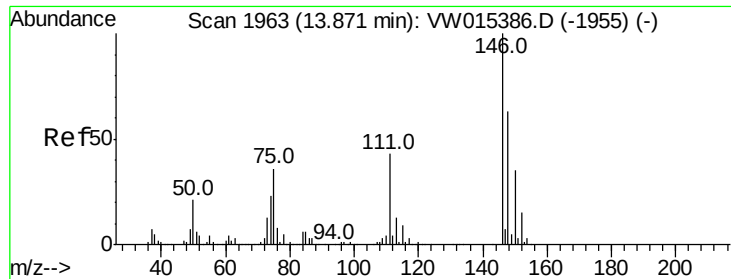
Lab File: VW015385.D

Acq: 04 May 2020 14:29

Tgt Ion:146 Resp: 47766

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.2	52.4
148	61.7	43.8	81.3

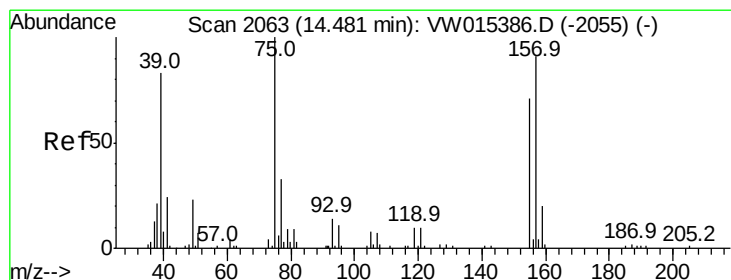
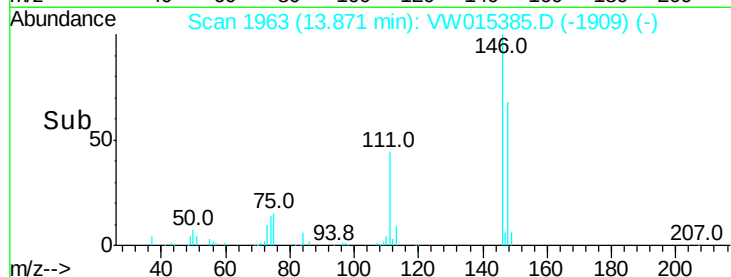
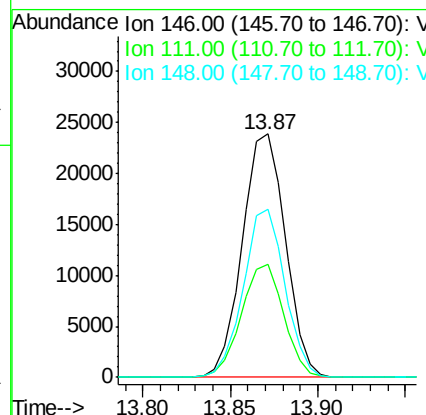
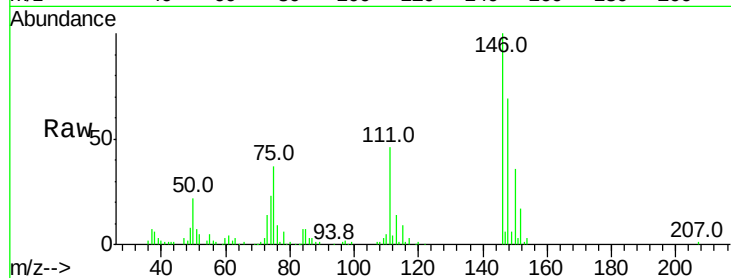




#65
 1,2-Dichlorobenzene
 Concen: 4.844 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

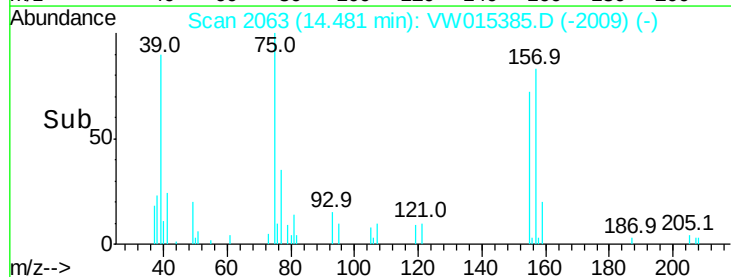
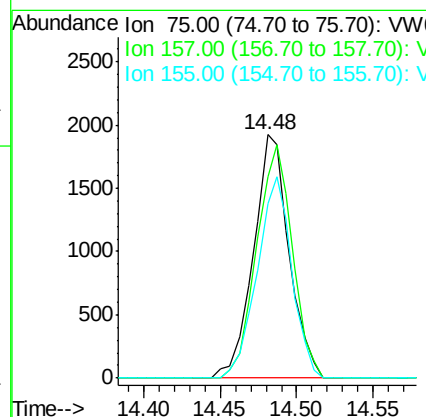
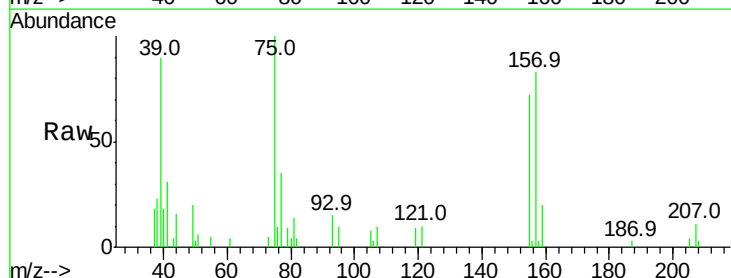
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

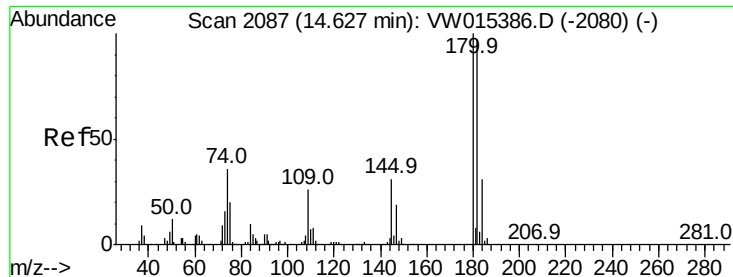
Tgt Ion: 146 Resp: 40955
 Ion Ratio Lower Upper
 146 100
 111 46.4 34.3 51.5
 148 68.9 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.607 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

Tgt Ion: 75 Resp: 3102
 Ion Ratio Lower Upper
 75 100
 157 82.9 72.7 109.1
 155 71.5 56.7 85.1

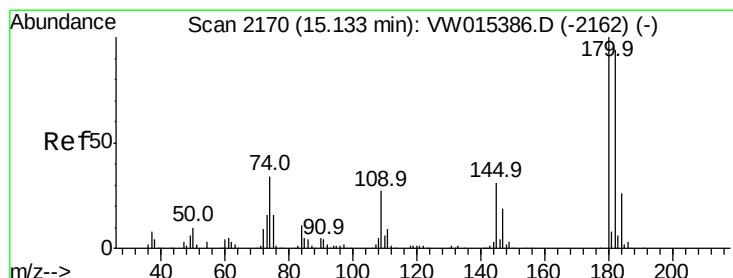
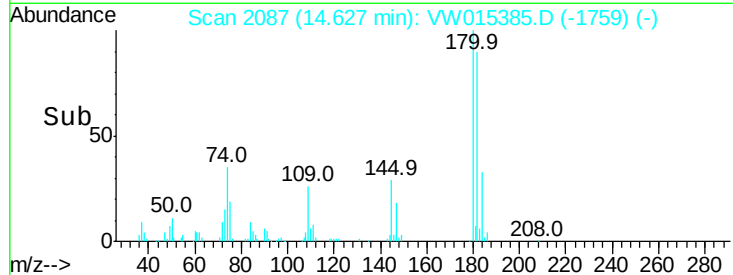
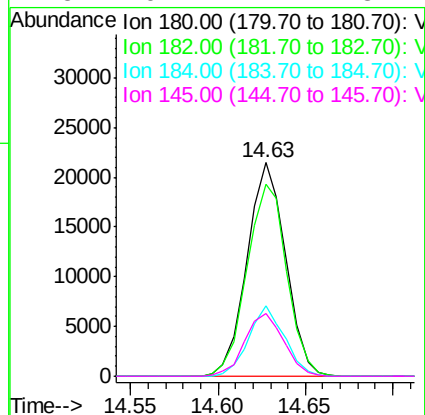
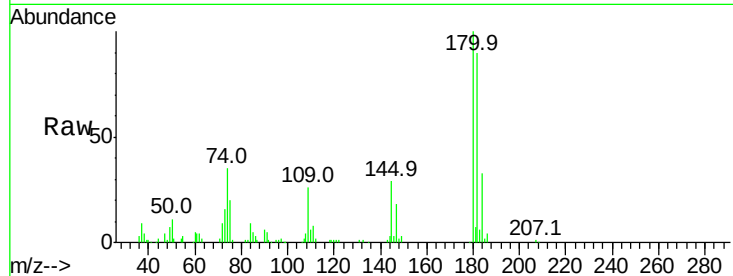




#67
 1,3,5-Trichlorobenzene
 Concen: 4.552 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

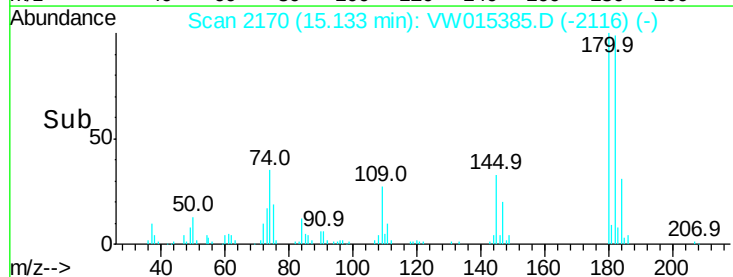
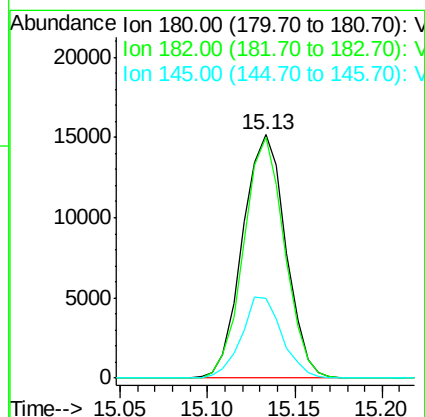
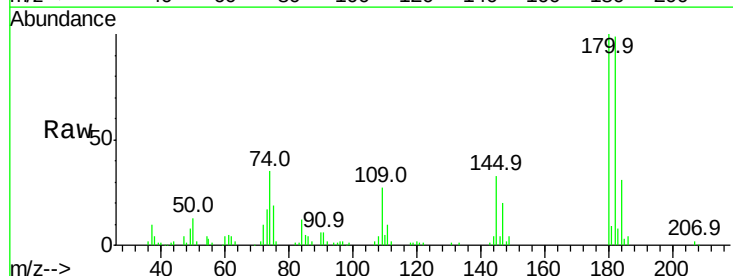
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

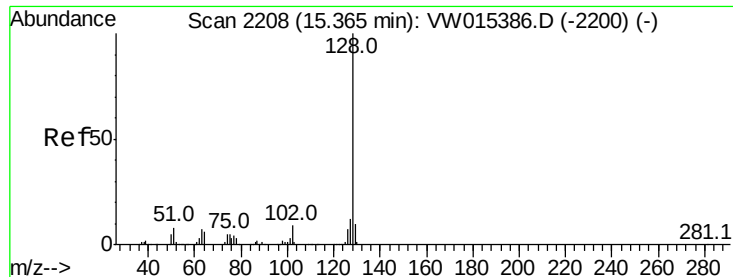
Tgt Ion:	180	Resp:	33146
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.8	115.2
184	30.7	24.7	37.1
145	29.7	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 4.353 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015385.D
 Acq: 04 May 2020 14:29

Tgt Ion:	180	Resp:	26047
Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.9	116.9
145	31.2	26.5	39.7





#69

Naphthalene

Concen: 4.584 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

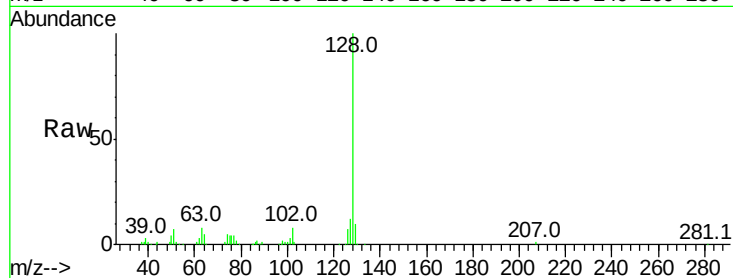
Tgt Ion:128 Resp: 45857

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

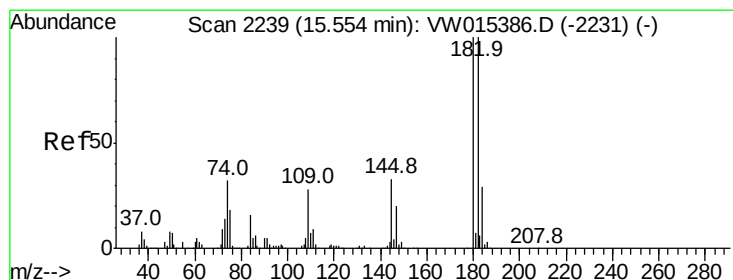
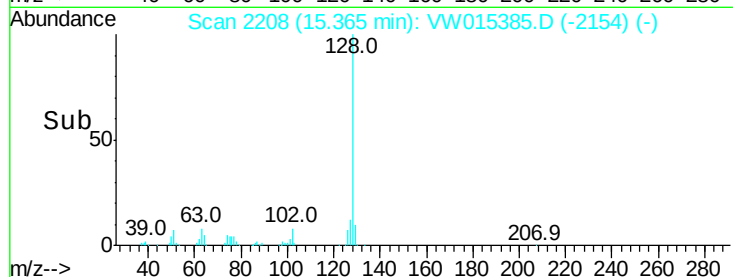
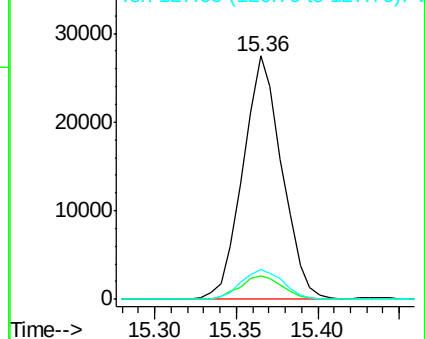
127 13.1 10.3 15.5



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: 4.111 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015385.D

Acq: 04 May 2020 14:29

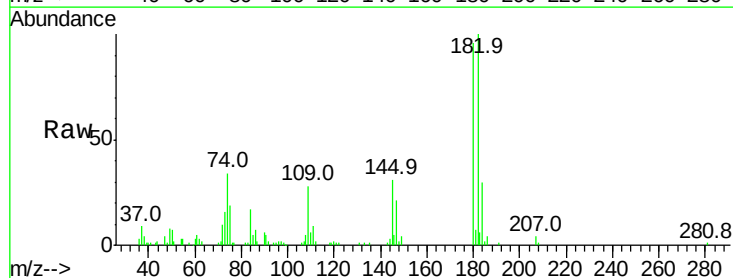
Tgt Ion:180 Resp: 21243

Ion Ratio Lower Upper

180 100

182 99.8 75.7 113.5

145 34.6 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

