

Data File : VW015384.D
Acq On : 04 May 2020 14:06
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Quant Time: May 04 15:26:14 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	335008	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297136	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	10471	4.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	10187	3.59	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	22216	3.60	ug/L	0.00
20) 2-Butanone-d5	7.09	46	5860	7.82	ug/L	0.00
24) Chloroform-d	7.65	84	21141	2.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11920	3.14	ug/L	0.00
29) Benzene-d6	8.27	84	42202	3.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	12746	3.33	ug/L	0.00
37) Toluene-d8	10.32	98	40399	2.89	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5724	2.92	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4860	6.95	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	9759	3.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	12487	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7414	2.349 ug/L	96
3) Chloromethane	2.21	50	8907	3.447 ug/L	100
5) Vinyl chloride	2.36	62	13050	4.183 ug/L	95
6) Bromomethane	2.78	94	9429	3.215 ug/L	97
8) Chloroethane	2.93	64	8743	3.611 ug/L	95
9) Trichlorofluoromethane	3.26	101	9568	2.619 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10287	2.666 ug/L	99
12) 1,1-Dichloroethene	4.04	96	10899	2.892 ug/L	77
13) Acetone	4.12	43	5573	8.826 ug/L	92
14) Carbon disulfide	4.38	76	36088	3.508 ug/L	99
15) Methyl Acetate	4.67	43	5306	4.214 ug/L	97
16) Methylene chloride	4.91	84	16562	3.882 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	18059	3.240 ug/L #	67
18) trans-1,2-Dichloroethene	5.42	96	11272	2.730 ug/L	87
19) 1,1-Dichloroethane	6.21	63	21400	3.327 ug/L	98
21) 2-Butanone	7.18	43	8061	8.441 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	12134	2.721 ug/L	97
23) Bromochloromethane	7.51	128	4975	2.324 ug/L	96
25) Chloroform	7.68	83	21293	2.911 ug/L	99
27) 1,2-Dichloroethane	8.40	62	14116	3.043 ug/L #	95
30) Cyclohexane	7.96	56	21609	3.799 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	18451	2.886 ug/L	99
32) Carbon tetrachloride	8.06	117	16250	2.629 ug/L	99
34) Benzene	8.32	78	46400	3.047 ug/L	100
35) Trichloroethene	9.09	95	12879	2.940 ug/L	97
36) Methylcyclohexane	9.34	83	22514	3.048 ug/L	99
40) 1,2-Dichloropropane	9.37	63	11656	3.373 ug/L #	93
41) Bromodichloromethane	9.65	83	14766	2.791 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	17978	2.971 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	18590	7.977 ug/L	99

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Instrument :
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ClientSampleId :
VSTD2.502

Quant Time: May 04 15:26:14 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)
44) Toluene	10.39	91	49647	2.809	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	15686	2.916	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	8186	2.760	ug/L	96
47) Tetrachloroethene	10.87	164	9182	2.197	ug/L	93
49) 2-Hexanone	10.97	43	9594	7.519	ug/L	98
50) Dibromochloromethane	11.13	129	9461	2.358	ug/L	95
51) 1,2-Dibromoethane	11.23	107	7765	2.626	ug/L #	98
52) Chlorobenzene	11.66	112	31656	2.658	ug/L	99
53) Ethylbenzene	11.73	91	59091	2.891	ug/L	100
54) m,p-Xylene	11.84	106	21156	2.614	ug/L	98
55) o-xylene	12.16	106	20359	2.622	ug/L	96
56) Styrene	12.18	104	33978	2.607	ug/L	96
57) Isopropylbenzene	12.46	105	55903	2.645	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	9446	2.863	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	7449	3.096	ug/L	98
62) Bromoform	12.35	173	5272	2.335	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	22923	2.625	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	23203	2.686	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	20168	2.573	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1705	3.325	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	15139	2.243	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	11916	2.148	ug/L	100
69) Naphthalene	15.36	128	23038	2.484	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	10879	2.271	ug/L	97

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

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Operator : SY/VA

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Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

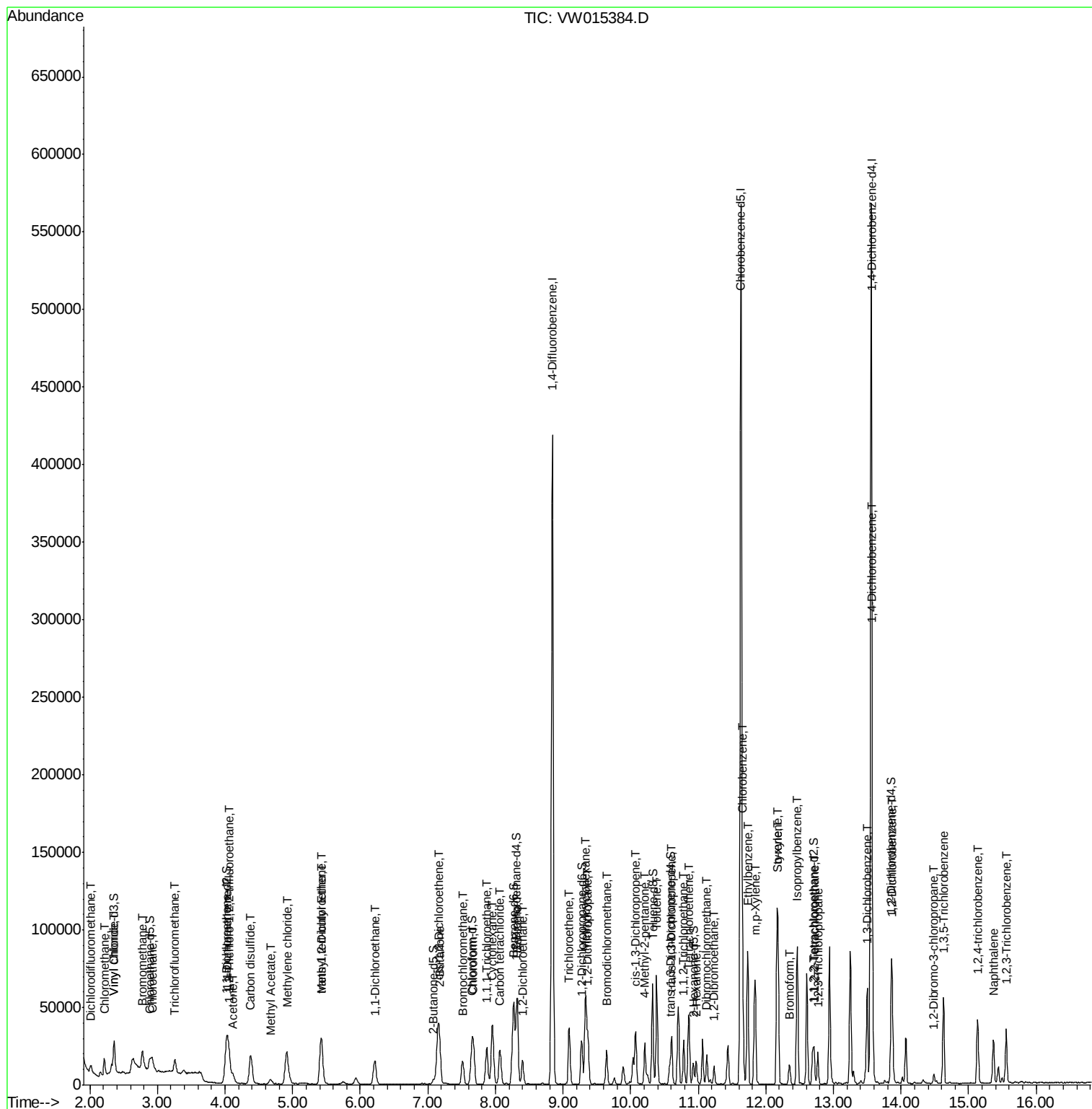
Quant Time: May 04 15:26:14 2020

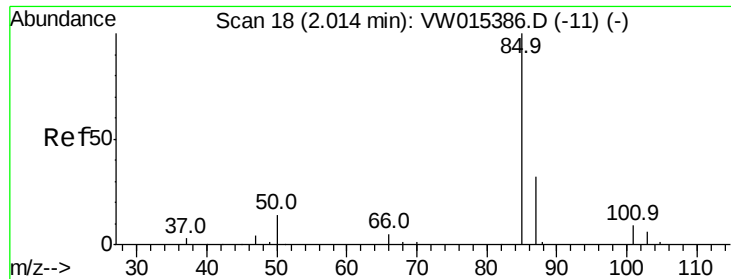
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M

Quant Title : VOC Analysis

QLast Update : Mon May 04 15:24:38 2020

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#2

Dichlorodifluoromethane

Concen: 2.349 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

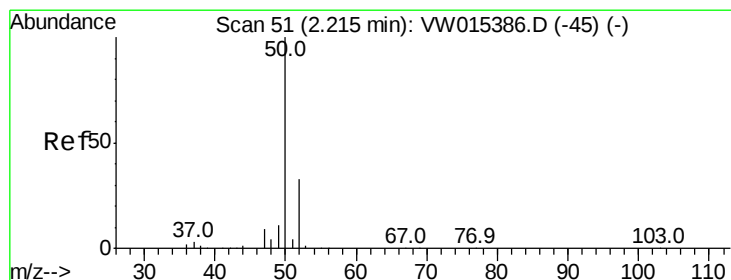
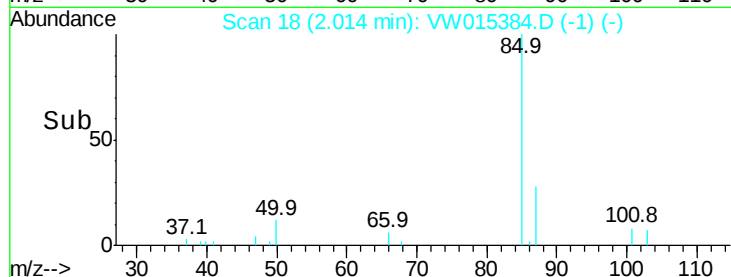
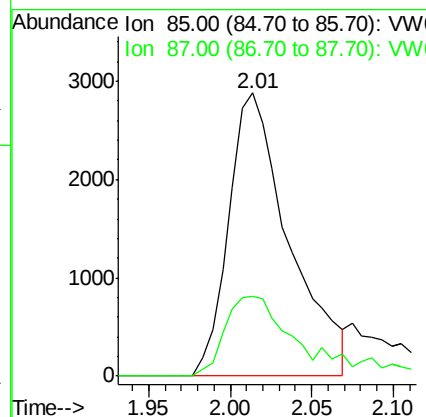
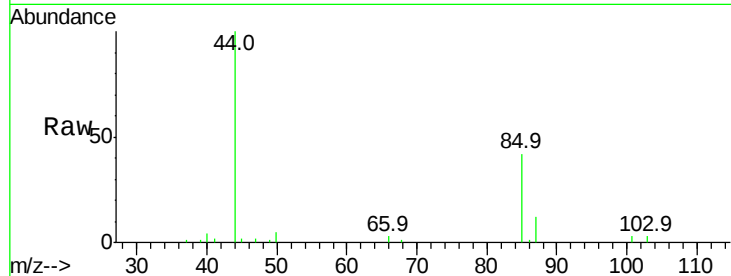
VSTD2.502

Tgt Ion: 85 Resp: 7414

Ion Ratio Lower Upper

85 100

87 28.1 21.3 39.5



#3

Chloromethane

Concen: 3.447 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015384.D

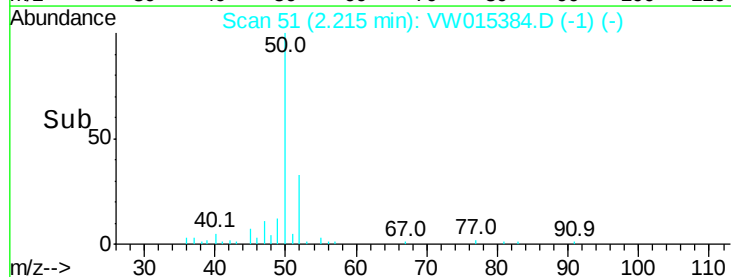
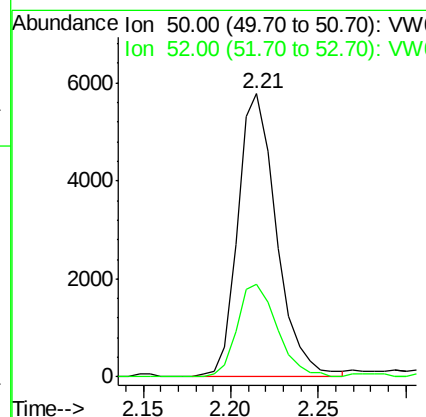
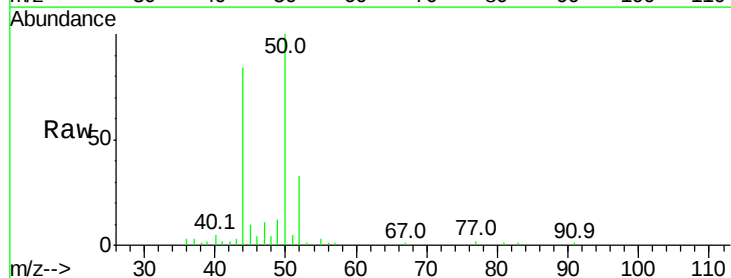
Acq: 04 May 2020 14:06

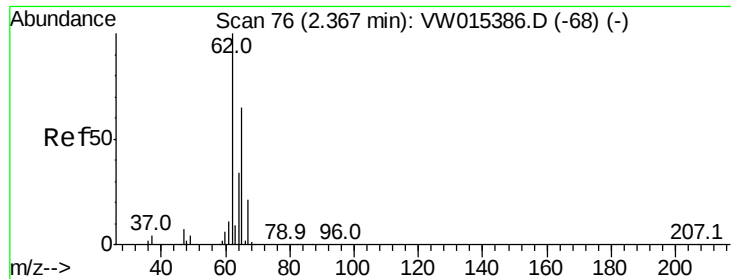
Tgt Ion: 50 Resp: 8907

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 4.183 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

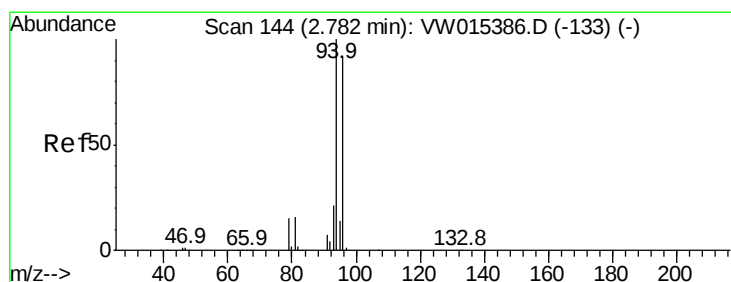
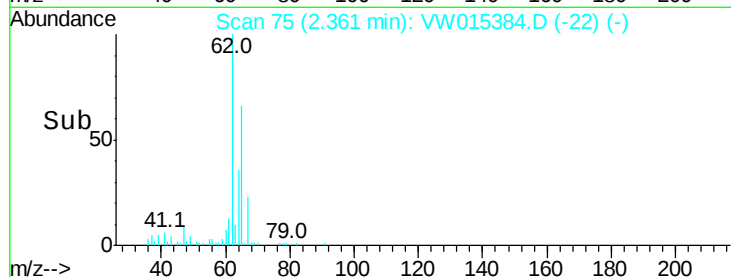
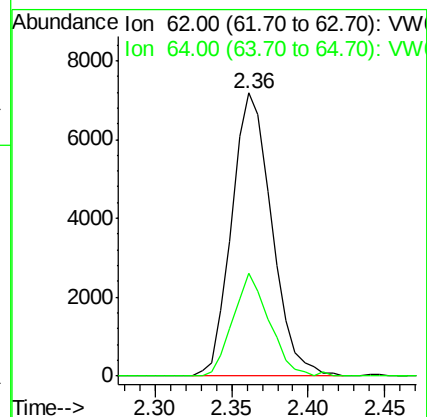
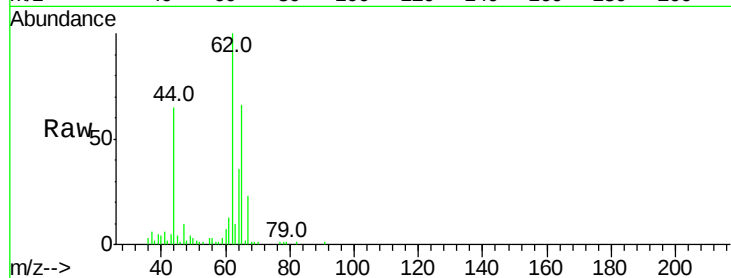
VSTD2.502

Tgt Ion: 62 Resp: 13050

Ion Ratio Lower Upper

62 100

64 36.5 23.7 44.1



#6

Bromomethane

Concen: 3.215 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015384.D

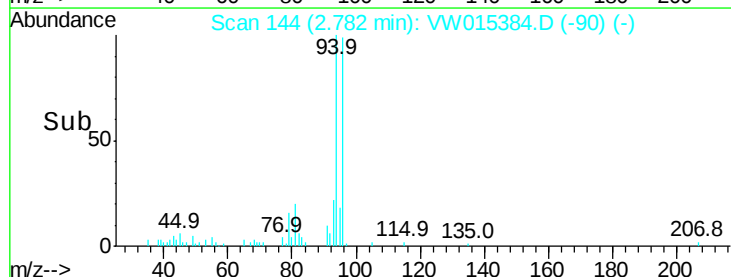
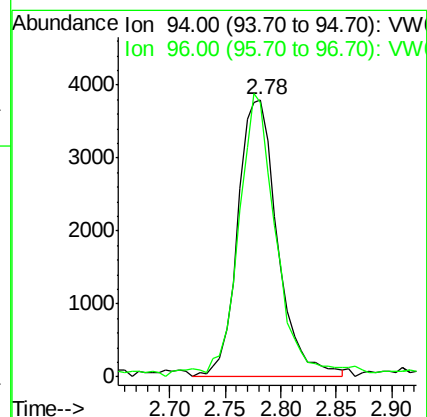
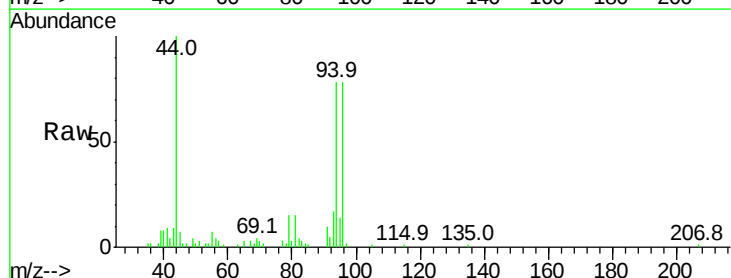
Acq: 04 May 2020 14:06

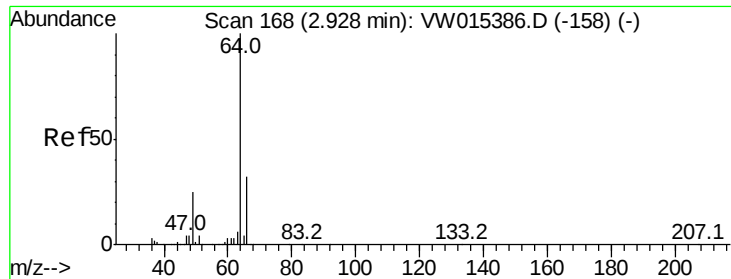
Tgt Ion: 94 Resp: 9429

Ion Ratio Lower Upper

94 100

96 90.7 9.3 177.7





#8

Chloroethane

Concen: 3.611 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

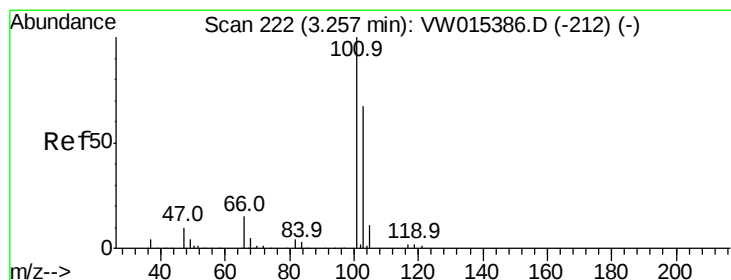
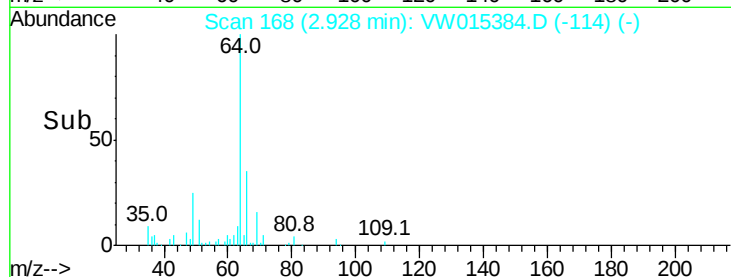
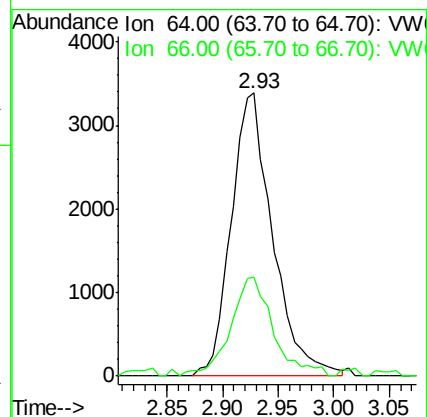
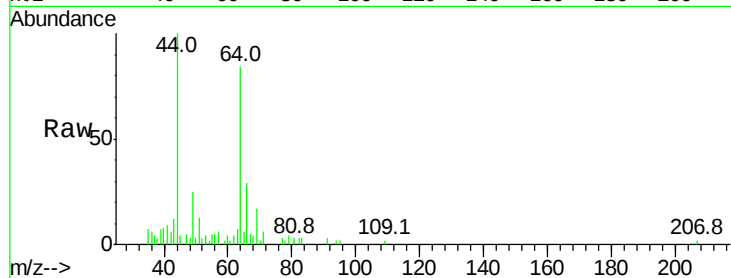
VSTD2.502

Tgt Ion: 64 Resp: 8743

Ion Ratio Lower Upper

64 100

66 34.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 2.619 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW015384.D

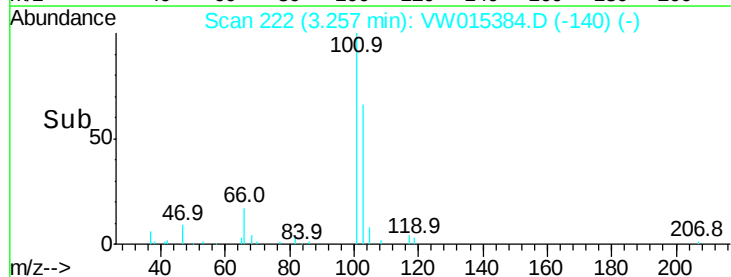
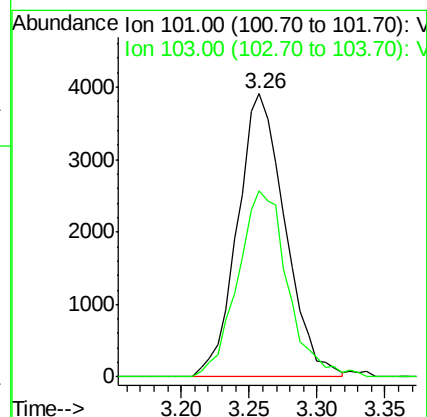
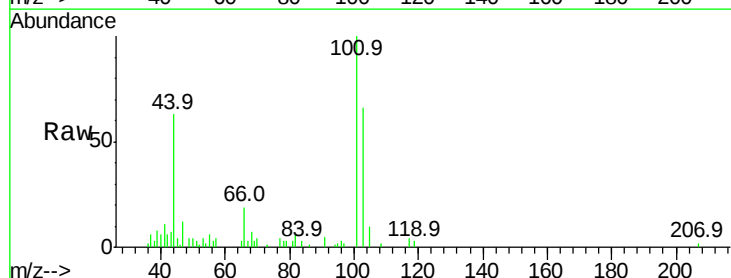
Acq: 04 May 2020 14:06

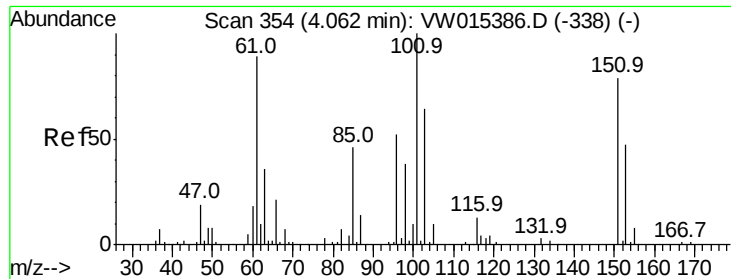
Tgt Ion: 101 Resp: 9568

Ion Ratio Lower Upper

101 100

103 68.4 45.5 84.5





#11

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

Concen: 2.666 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

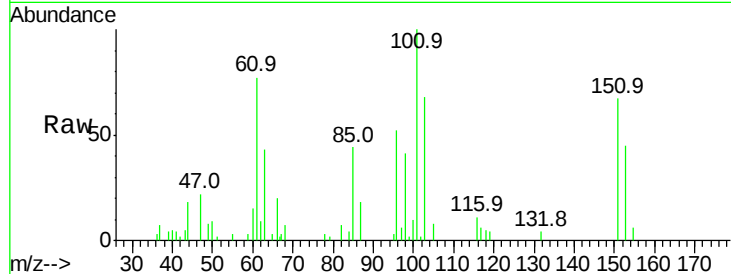
Tgt Ion:101 Resp: 10287

Ion Ratio Lower Upper

101 100

85 43.1 36.0 54.0

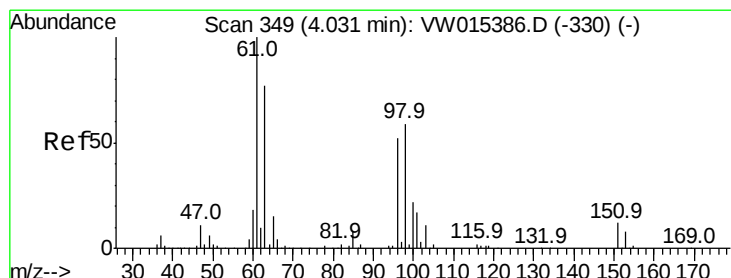
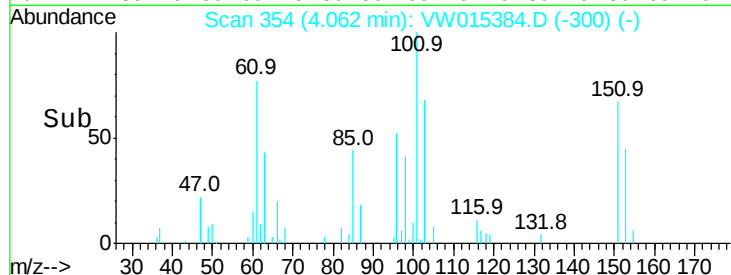
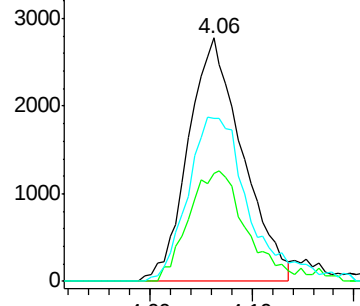
151 71.8 57.1 85.7



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: 2.892 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

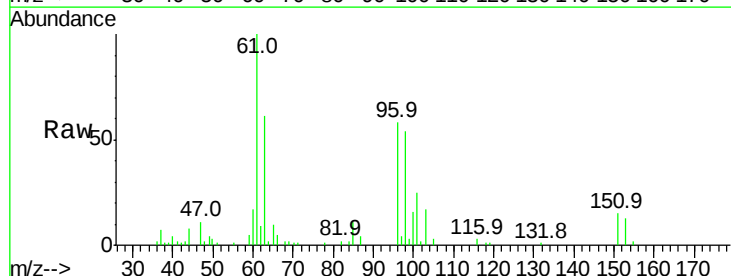
Tgt Ion: 96 Resp: 10899

Ion Ratio Lower Upper

96 100

61 173.2 135.9 252.5

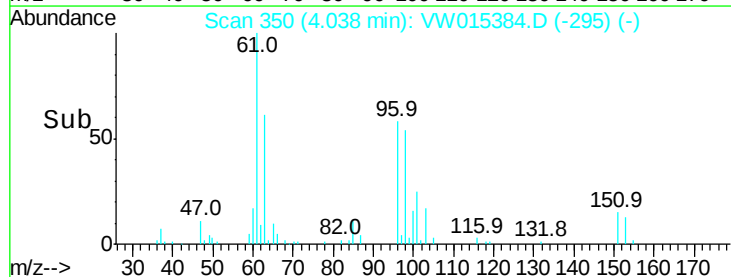
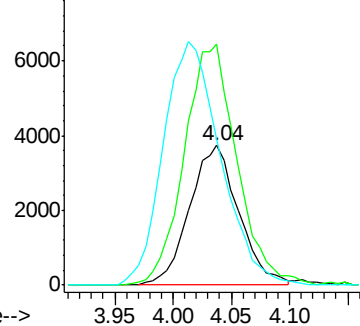
63 105.0 104.4 194.0

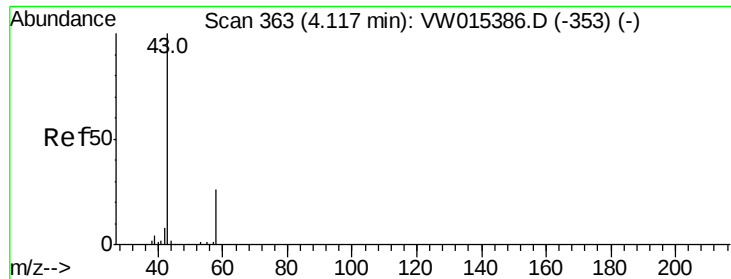


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.826 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

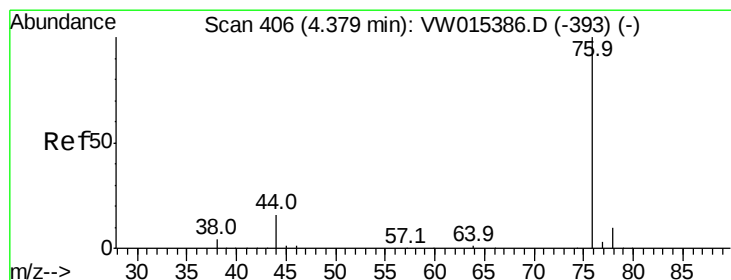
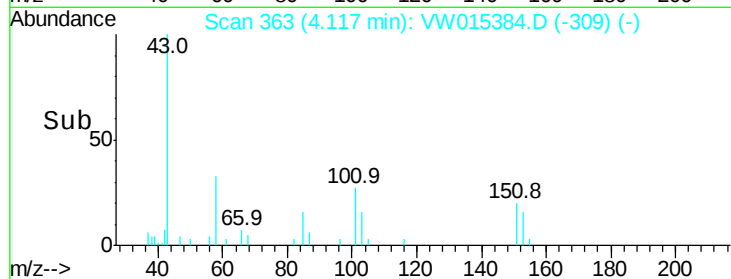
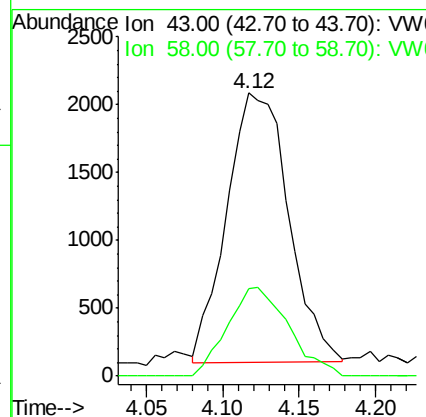
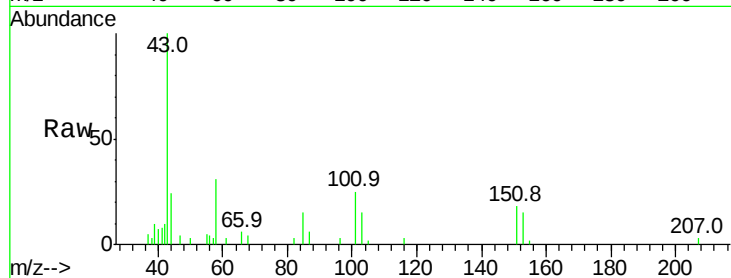
VSTD2.502

Tgt Ion: 43 Resp: 5573

Ion Ratio Lower Upper

43 100

58 32.7 0.0 57.0



#14

Carbon disulfide

Concen: 3.508 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015384.D

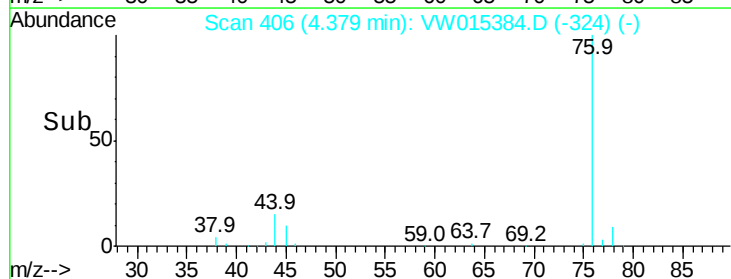
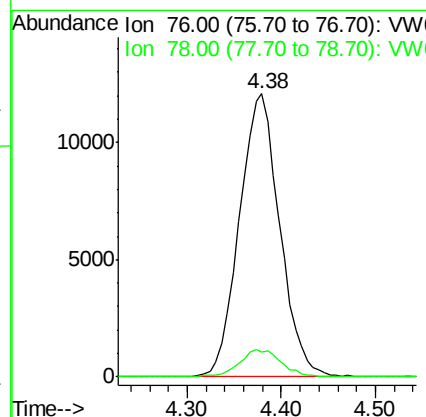
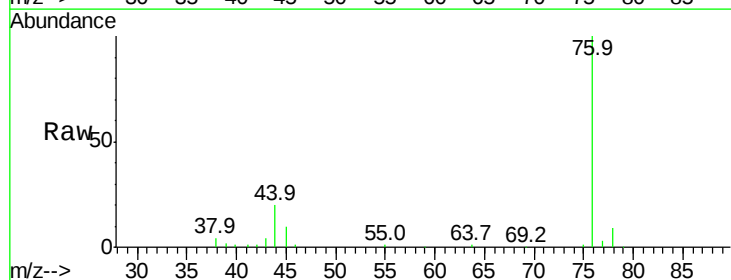
Acq: 04 May 2020 14:06

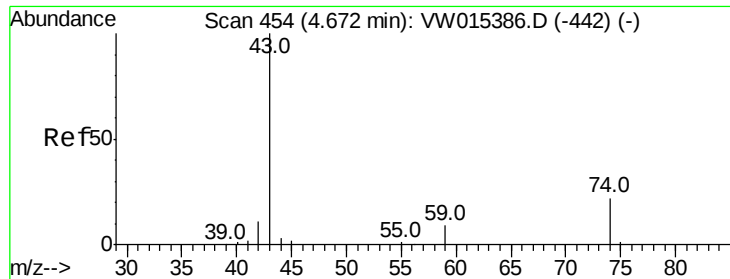
Tgt Ion: 76 Resp: 36088

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

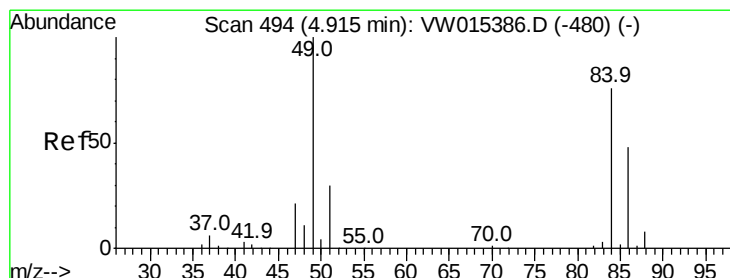
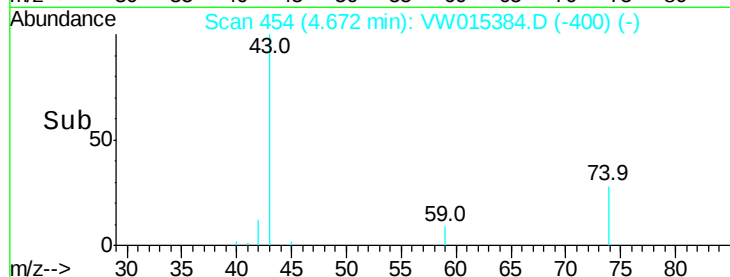
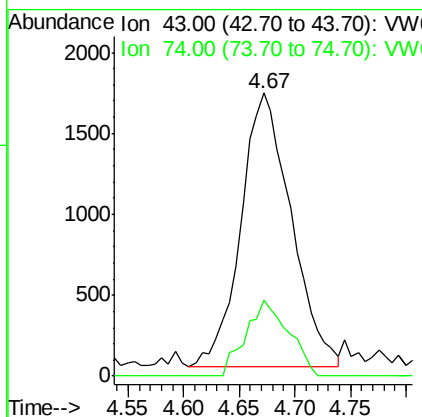
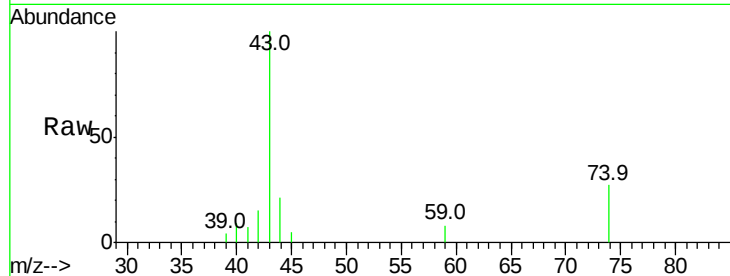




#15
Methyl Acetate
Concen: 4.214 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

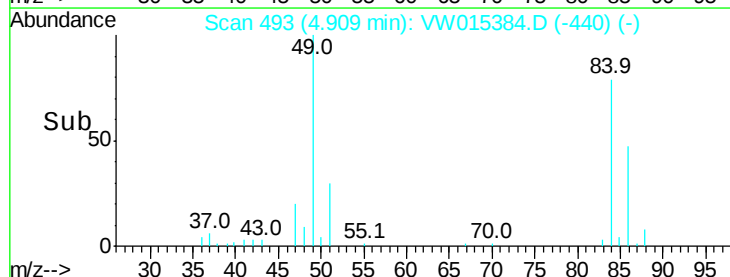
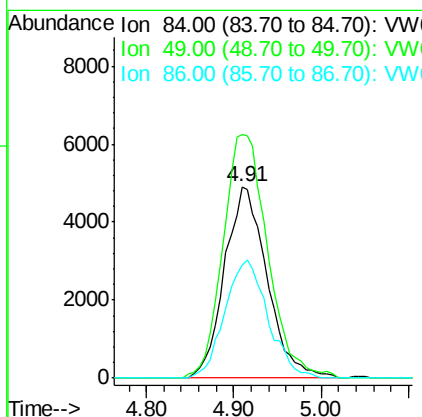
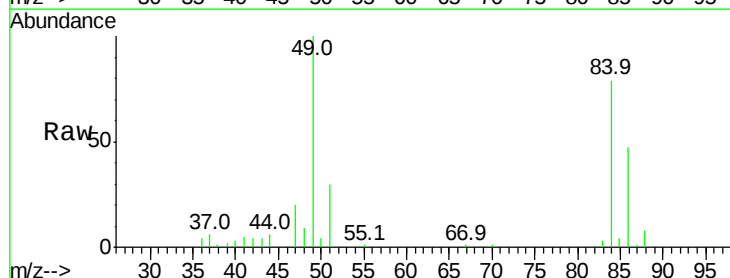
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

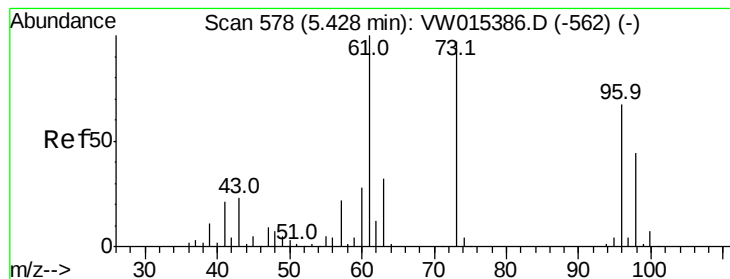
Tgt Ion: 43 Resp: 5306
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.6



#16
Methylene chloride
Concen: 3.882 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

Tgt Ion: 84 Resp: 16562
Ion Ratio Lower Upper
84 100
49 127.4 91.6 170.2
86 59.3 44.0 81.8





#17

Methyl tert-butyl Ether

Concen: 3.240 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

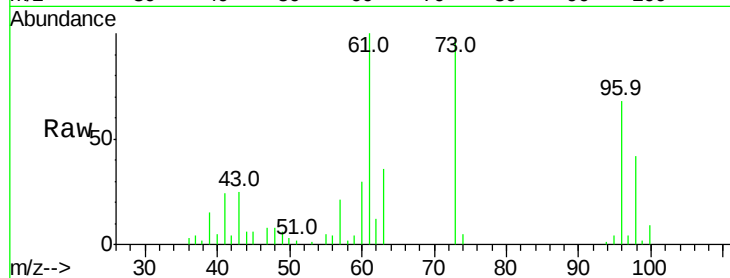
Tgt Ion: 73 Resp: 18059

Ion Ratio Lower Upper

73 100

43 0.1 19.3 28.9#

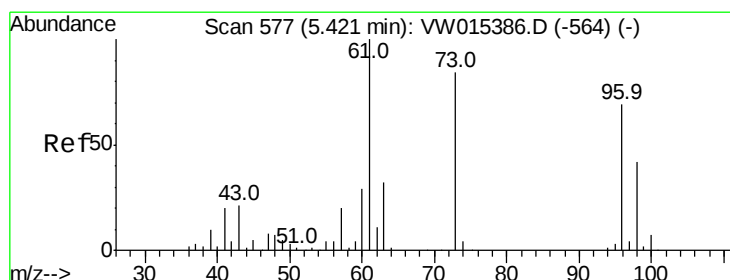
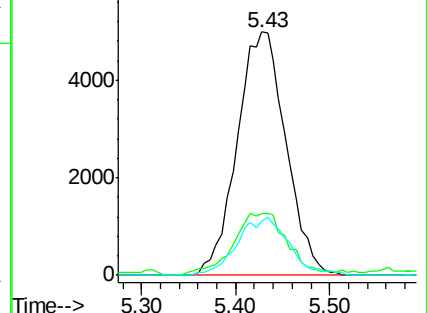
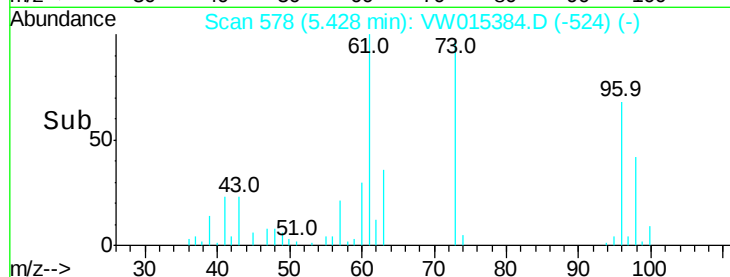
57 14.4 18.1 27.1#



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: 2.730 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

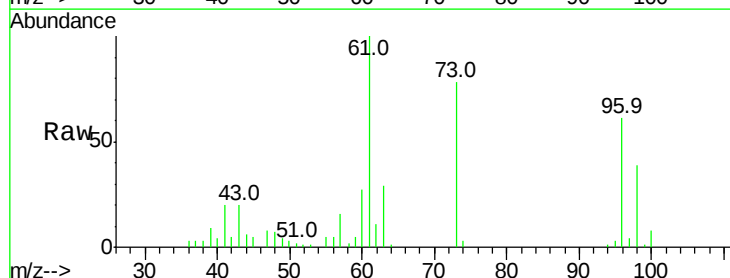
Tgt Ion: 96 Resp: 11272

Ion Ratio Lower Upper

96 100

61 164.7 101.1 187.7

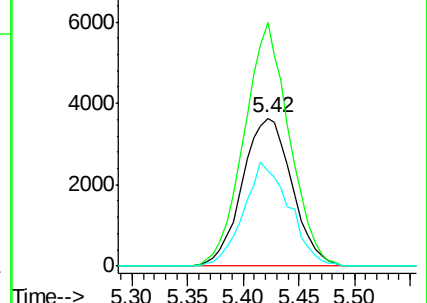
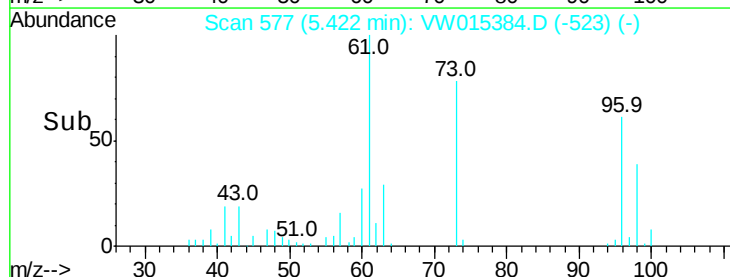
98 64.1 42.4 78.8

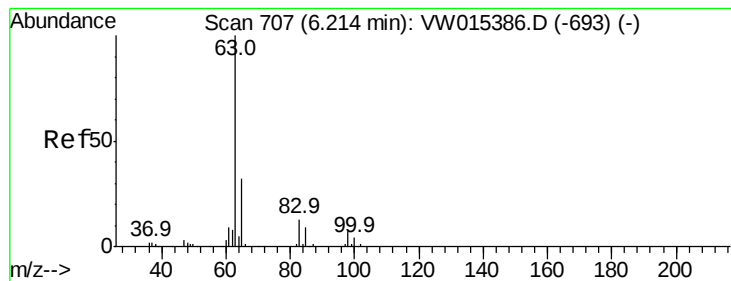


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 3.327 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

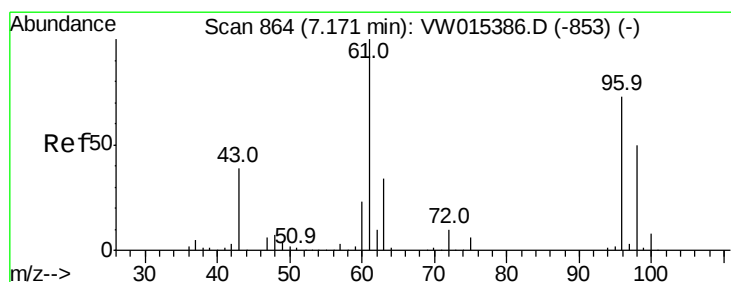
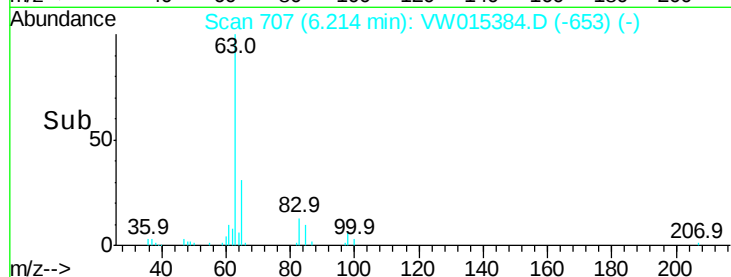
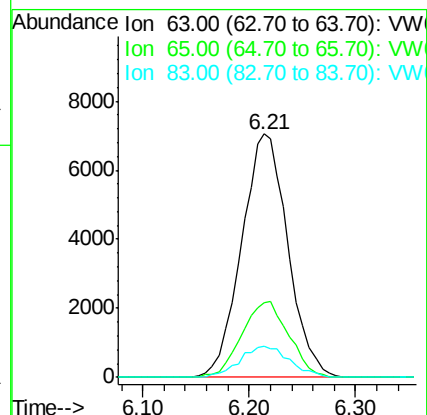
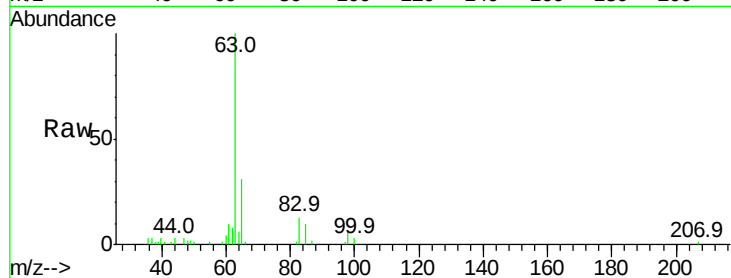
Tgt Ion: 63 Resp: 21400

Ion Ratio Lower Upper

63 100

65 30.9 22.6 42.0

83 12.8 9.1 16.9



#21

2-Butanone

Concen: 8.441 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015384.D

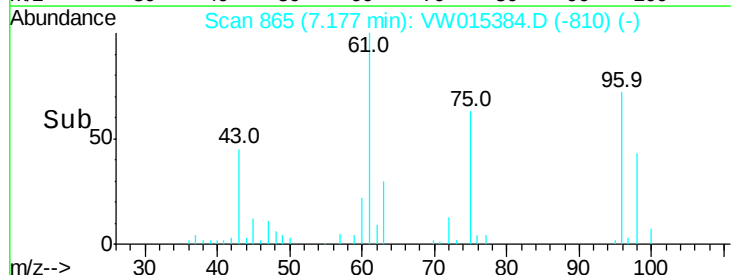
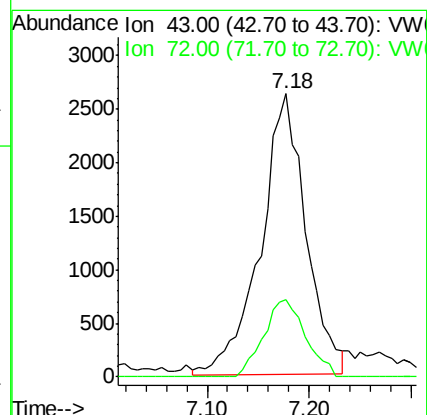
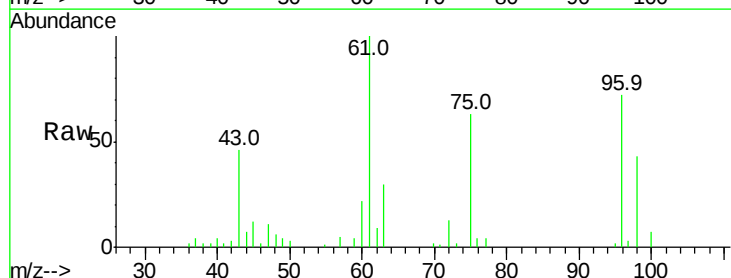
Acq: 04 May 2020 14:06

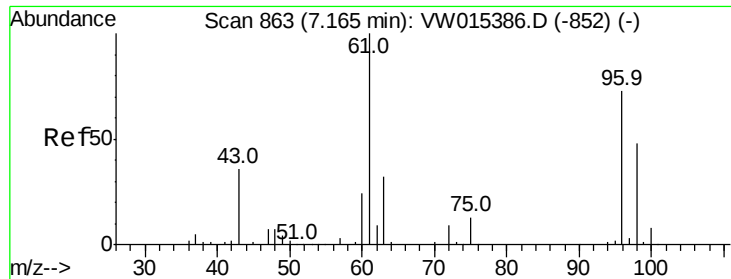
Tgt Ion: 43 Resp: 8061

Ion Ratio Lower Upper

43 100

72 25.4 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 2.721 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

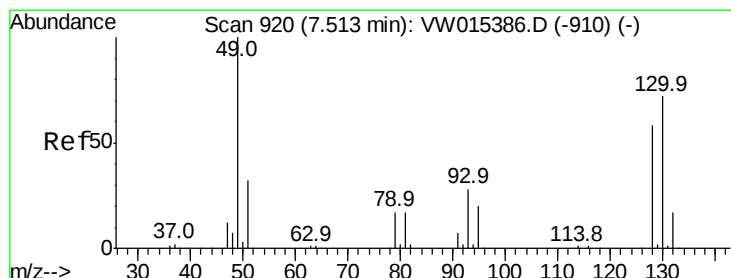
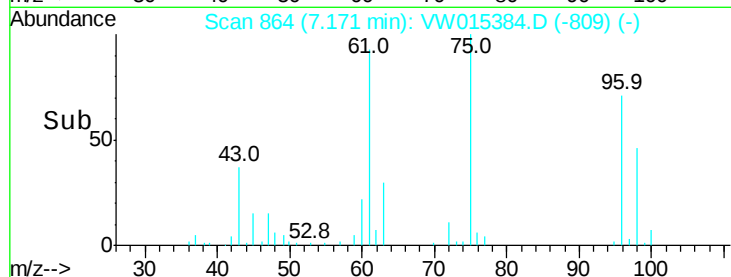
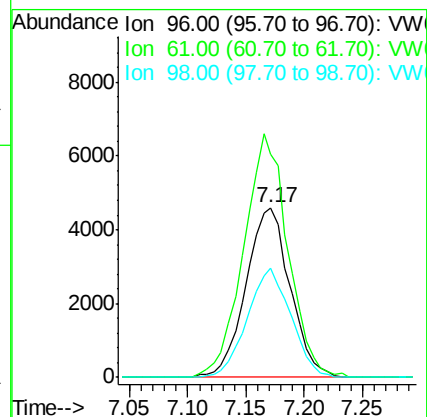
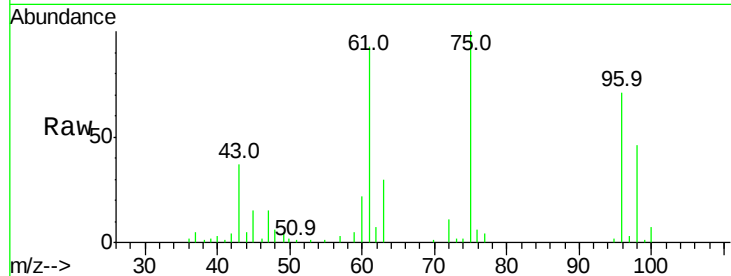
Tgt Ion: 96 Resp: 12134

Ion Ratio Lower Upper

96 100

61 131.4 95.8 178.0

98 64.6 45.9 85.3



#23

Bromochloromethane

Concen: 2.324 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Tgt Ion: 128 Resp: 4975

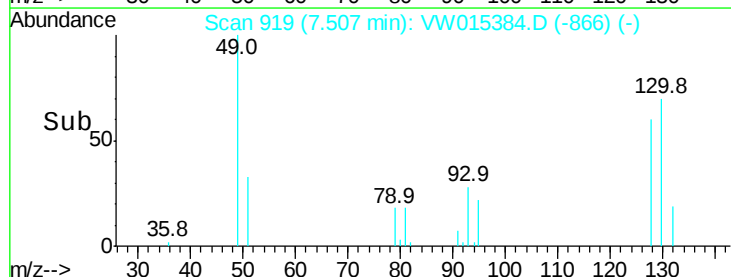
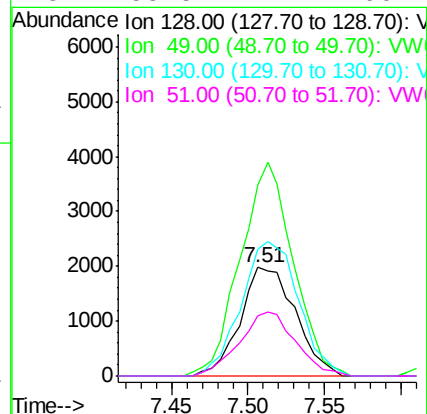
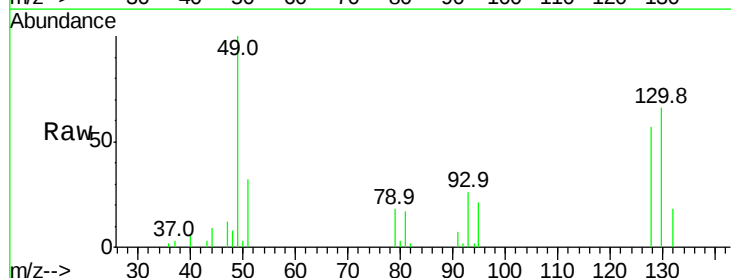
Ion Ratio Lower Upper

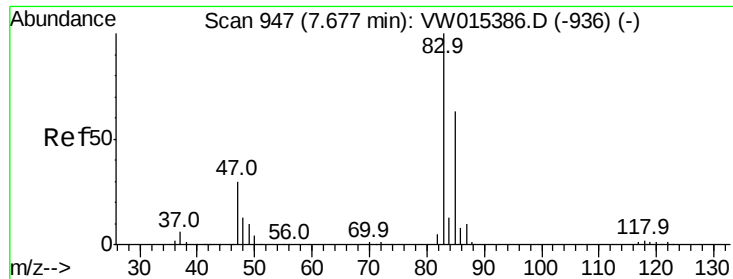
128 100

49 175.6 120.2 223.2

130 116.5 86.5 160.7

51 55.5 44.1 66.1

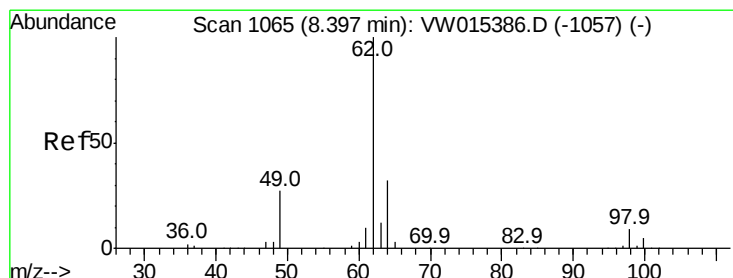
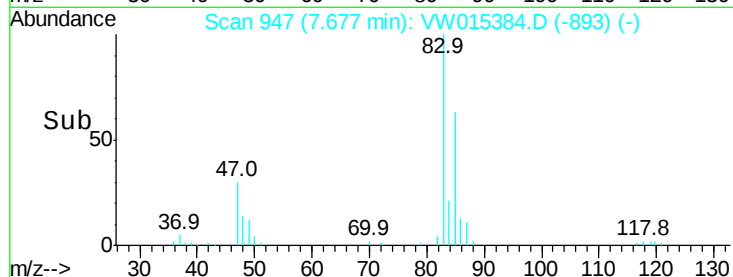
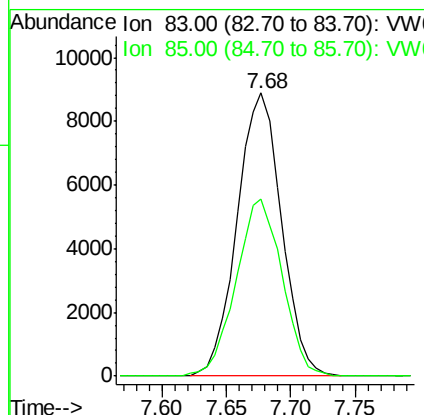
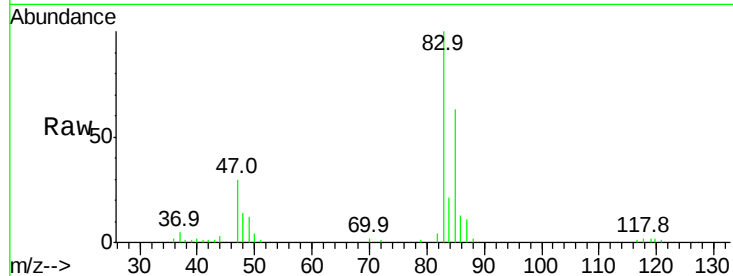




#25
Chloroform
Concen: 2.911 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

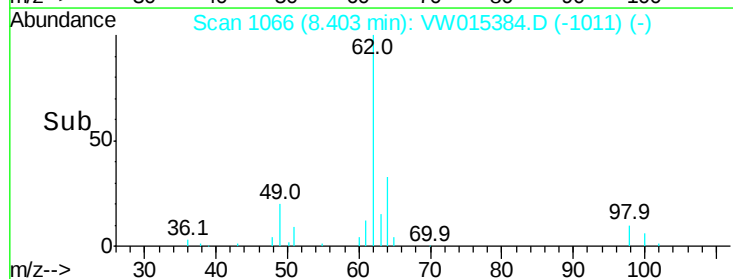
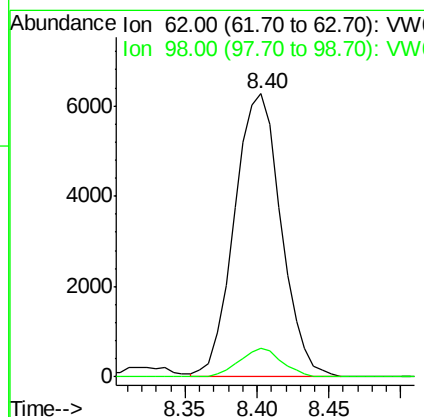
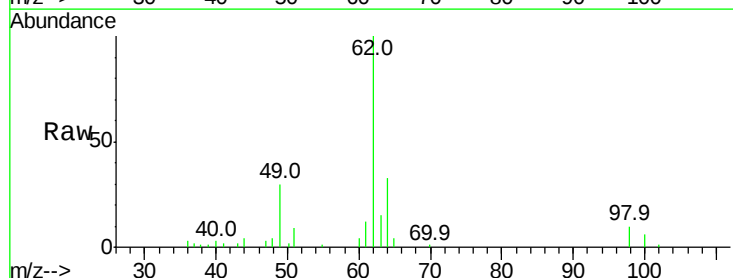
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

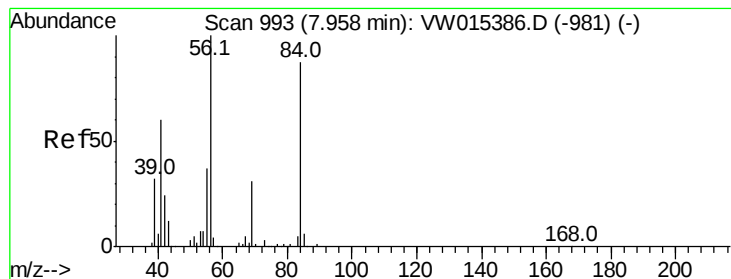
Tgt Ion: 83 Resp: 21293
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 3.043 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

Tgt Ion: 62 Resp: 14116
Ion Ratio Lower Upper
62 100
98 10.3 6.8 10.2#





#30

Cyclohexane

Concen: 3.799 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

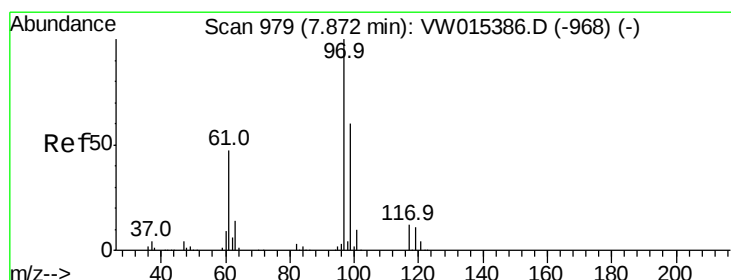
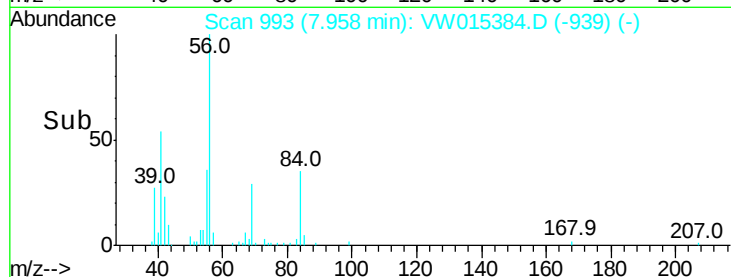
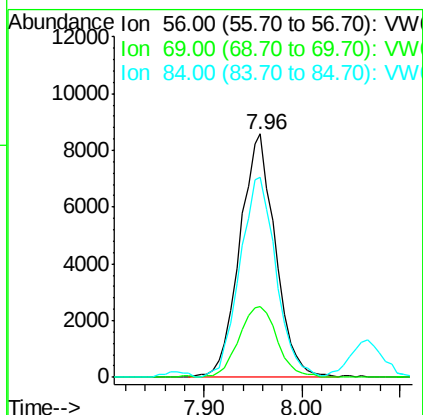
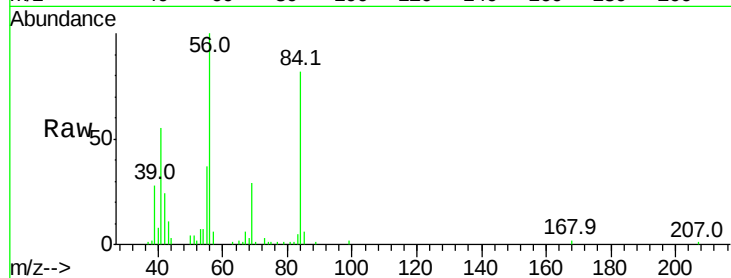
Tgt Ion: 56 Resp: 21609

Ion Ratio Lower Upper

56 100

69 30.9 24.5 36.7

84 84.3 69.2 103.8



#31

1,1,1-Trichloroethane

Concen: 2.886 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

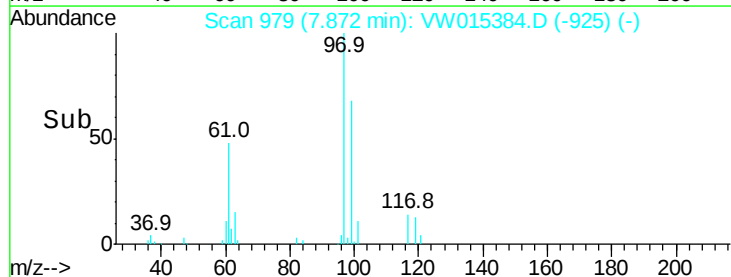
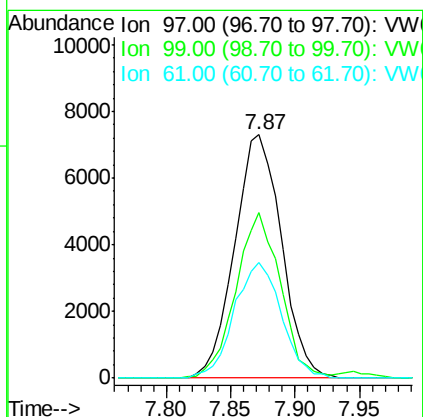
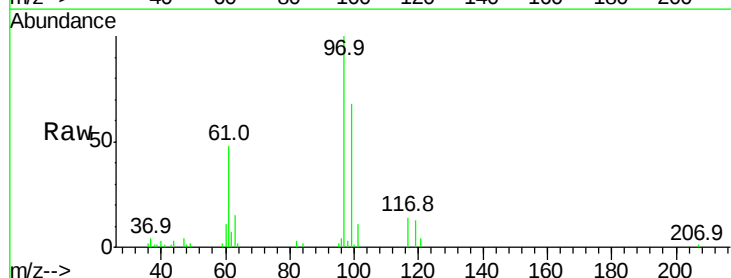
Tgt Ion: 97 Resp: 18451

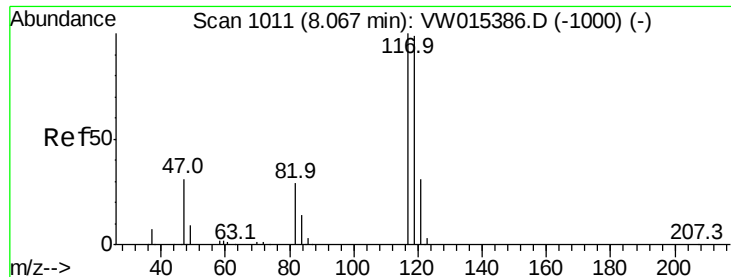
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 47.6 38.6 57.8





#32

Carbon tetrachloride

Concen: 2.629 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

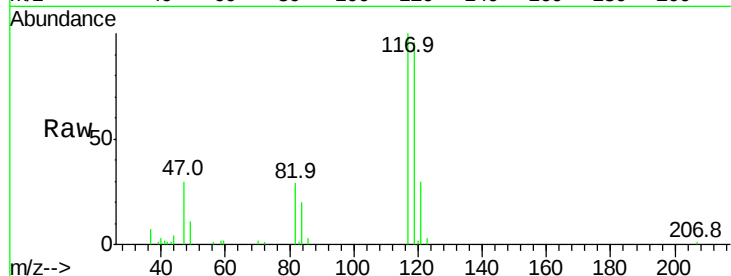
VSTD2.502

Tgt Ion:117 Resp: 16250

Ion Ratio Lower Upper

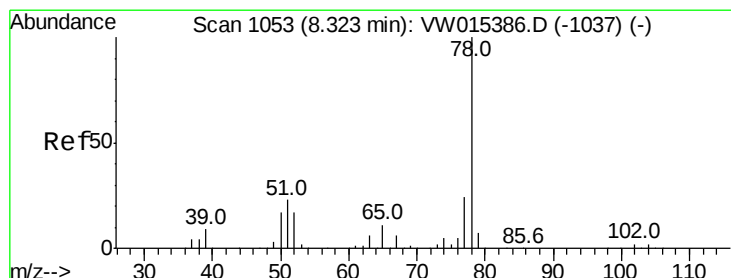
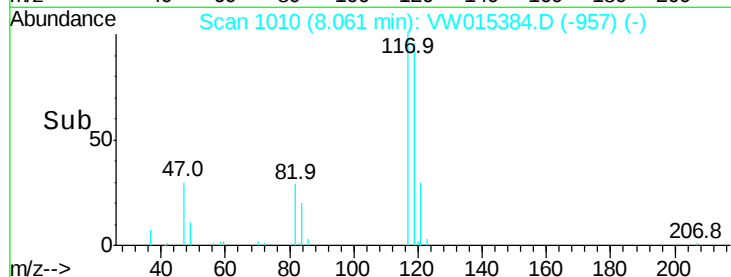
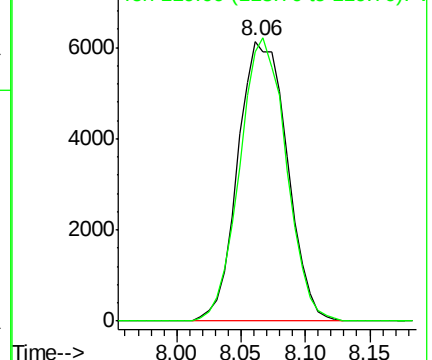
117 100

119 95.6 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 3.047 ug/L

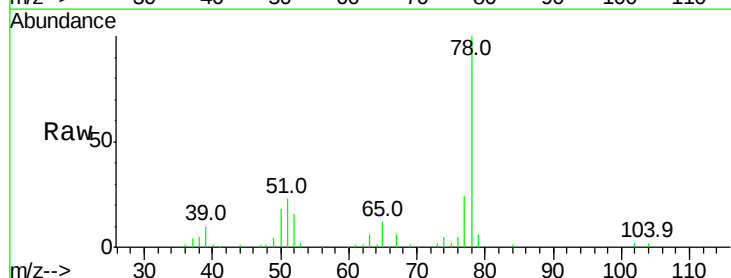
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

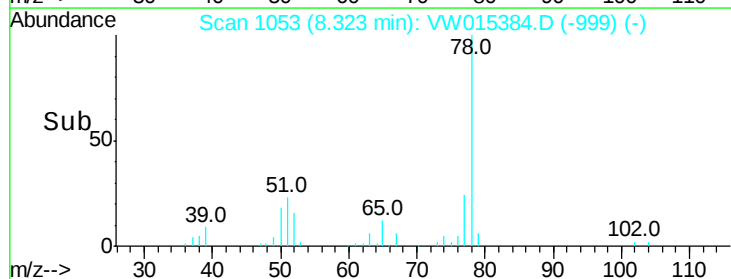
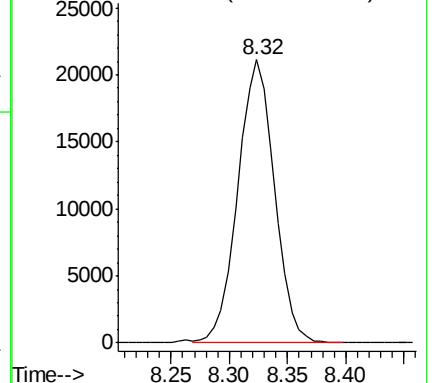
Lab File: VW015384.D

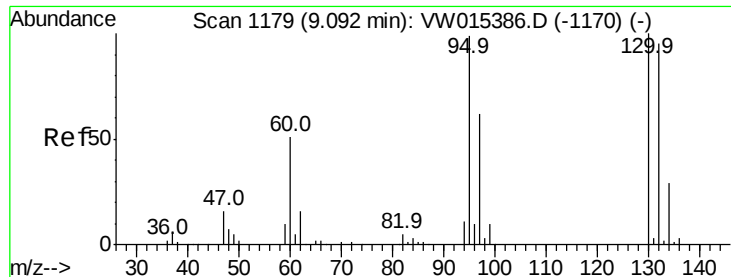
Acq: 04 May 2020 14:06

Tgt Ion: 78 Resp: 46400



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.940 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion: 95 Resp: 12879

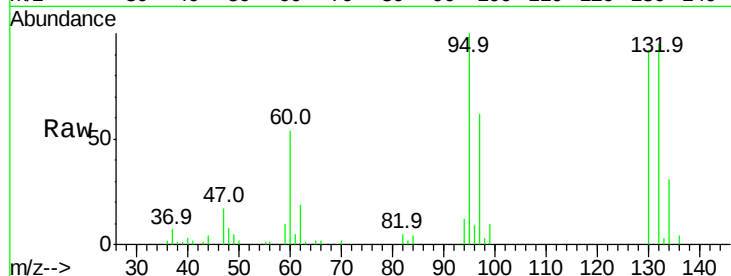
Ion Ratio Lower Upper

95 100

97 62.5 44.9 83.5

132 90.5 64.5 119.7

130 94.0 68.5 127.3

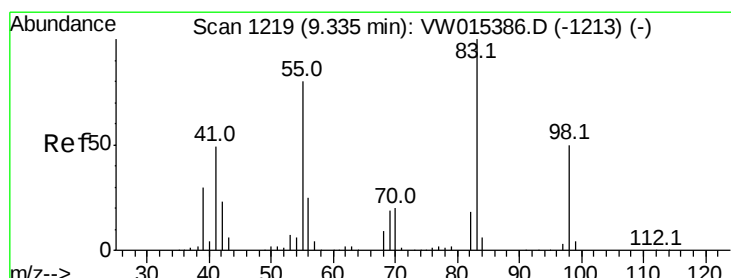
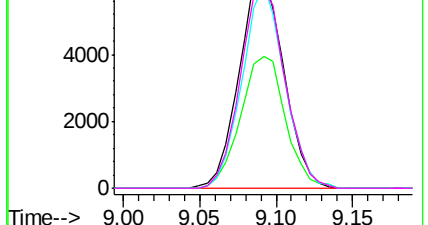
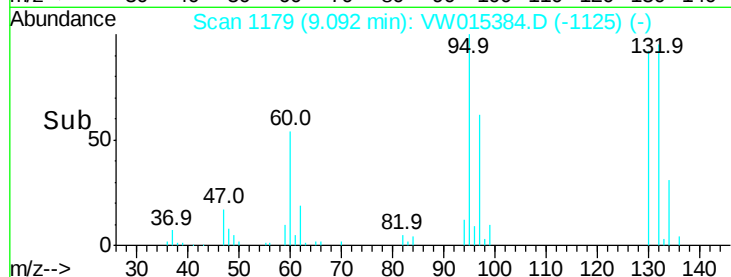


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.048 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

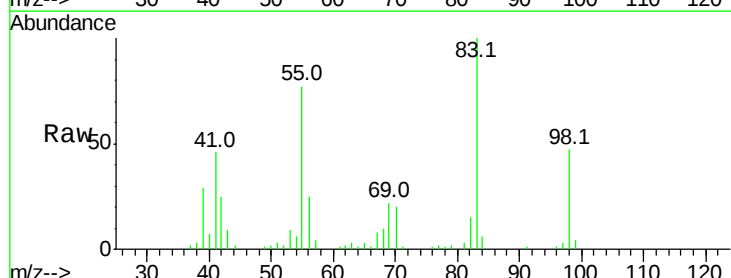
Tgt Ion: 83 Resp: 22514

Ion Ratio Lower Upper

83 100

55 82.2 64.5 96.7

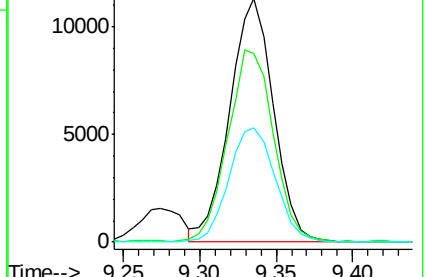
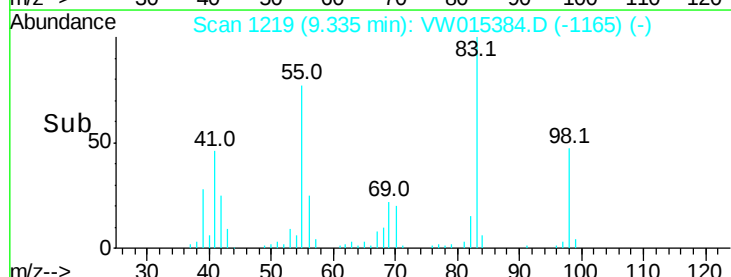
98 49.6 39.8 59.6

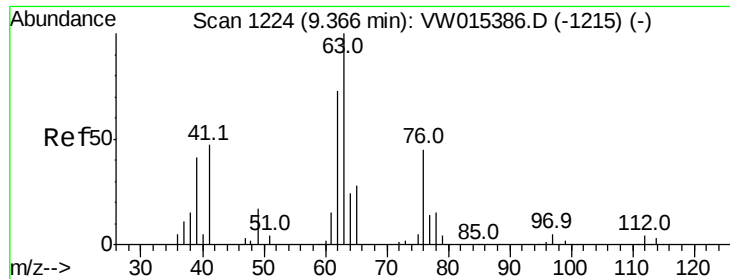


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.373 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

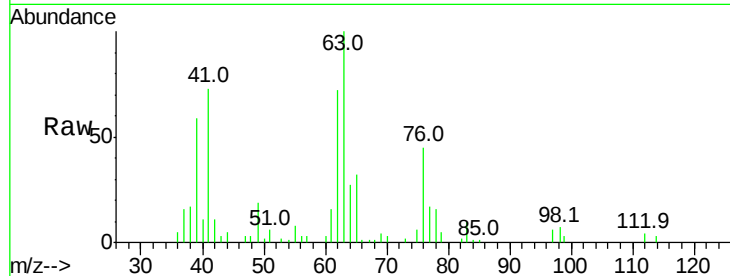
VSTD2.502

Tgt Ion: 63 Resp: 11656

Ion Ratio Lower Upper

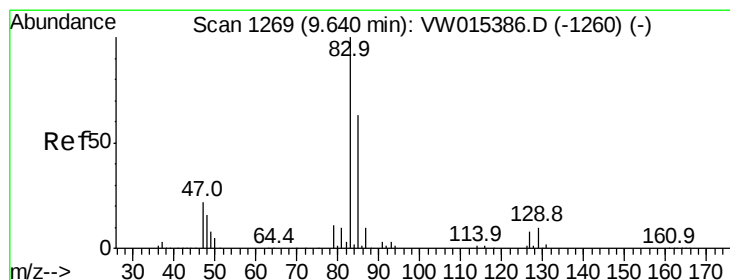
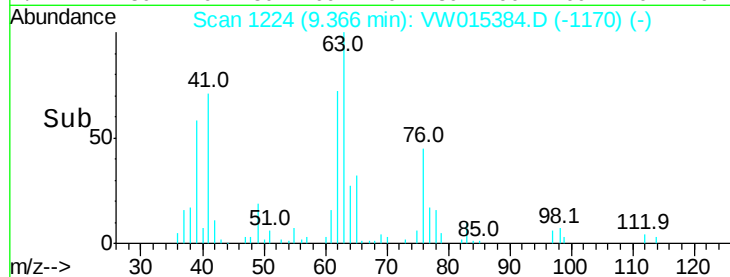
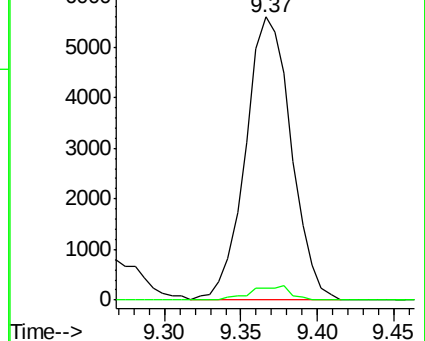
63 100

112 2.2 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: 2.791 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

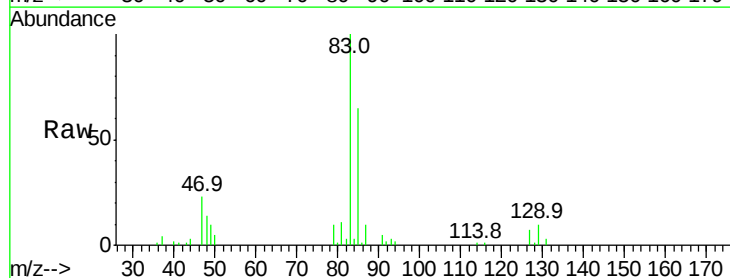
Tgt Ion: 83 Resp: 14766

Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

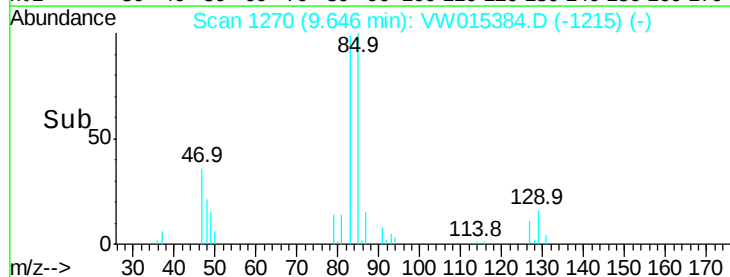
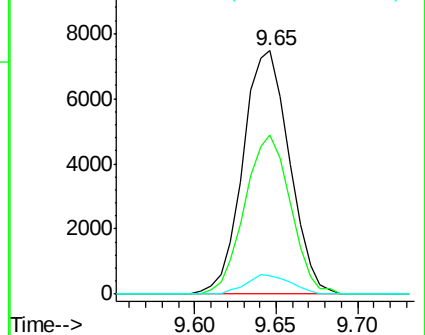
127 7.5 6.2 9.4

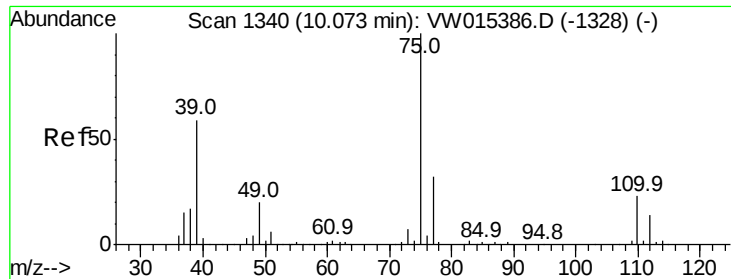


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.971 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

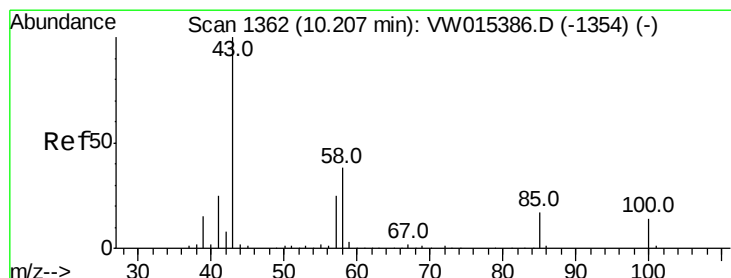
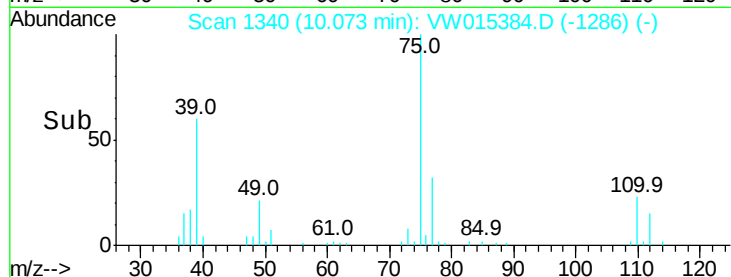
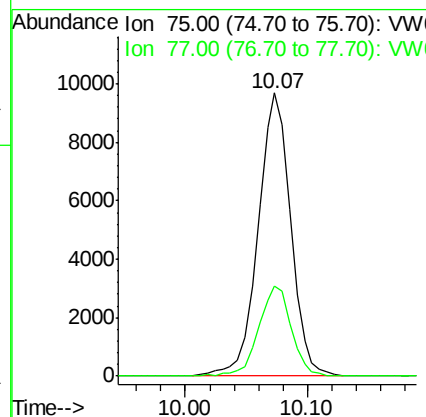
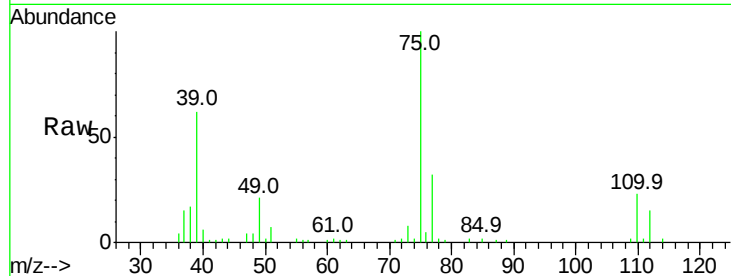
VSTD2.502

Tgt Ion: 75 Resp: 17978

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 7.977 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

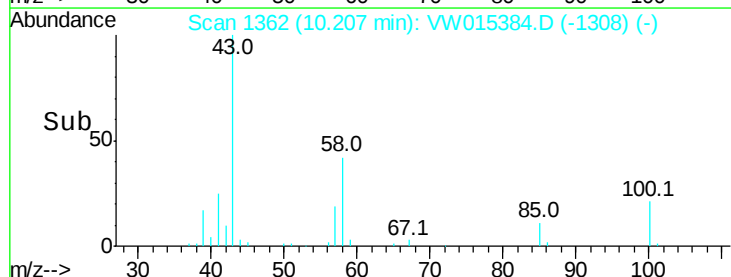
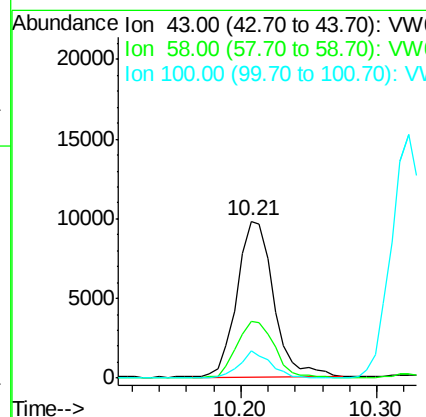
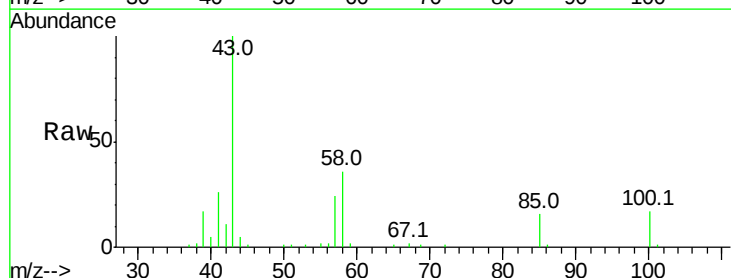
Tgt Ion: 43 Resp: 18590

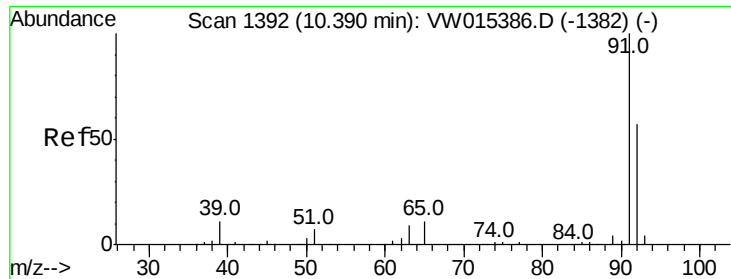
Ion Ratio Lower Upper

43 100

58 37.6 30.5 45.7

100 14.8 12.1 18.1





#44

Toluene

Concen: 2.809 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

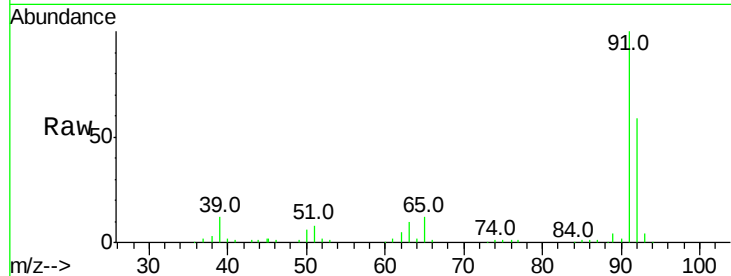
VSTD2.502

Tgt Ion: 91 Resp: 49647

Ion Ratio Lower Upper

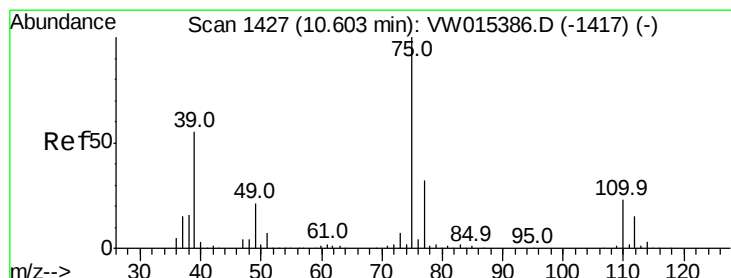
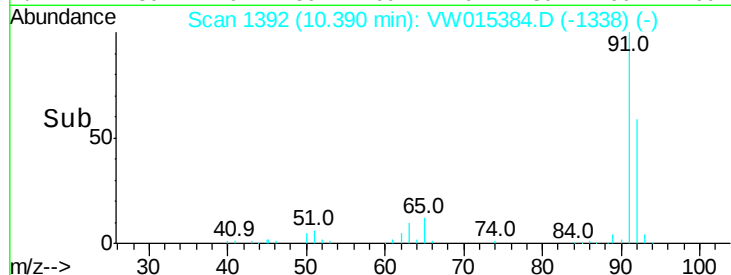
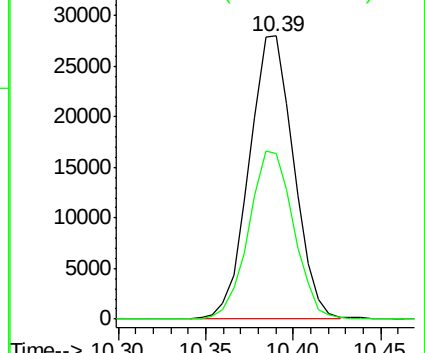
91 100

92 58.6 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: 2.916 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015384.D

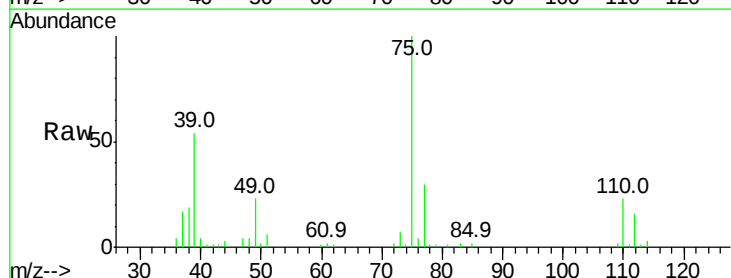
Acq: 04 May 2020 14:06

Tgt Ion: 75 Resp: 15686

Ion Ratio Lower Upper

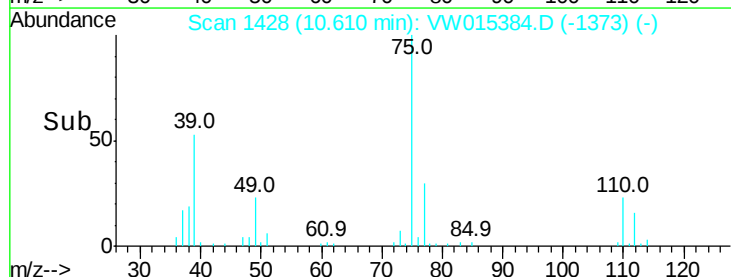
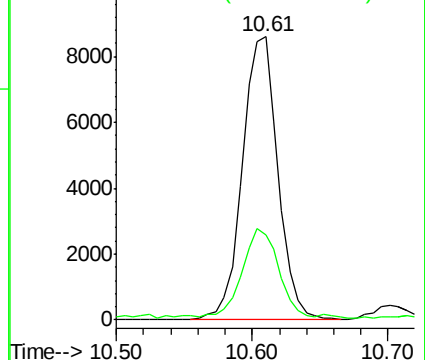
75 100

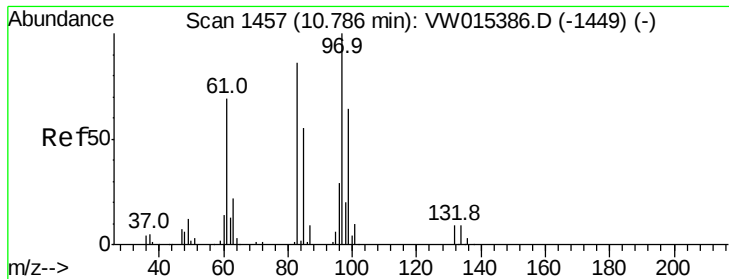
77 30.2 22.3 41.3



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: 2.760 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

Tgt Ion: 97 Resp: 8186

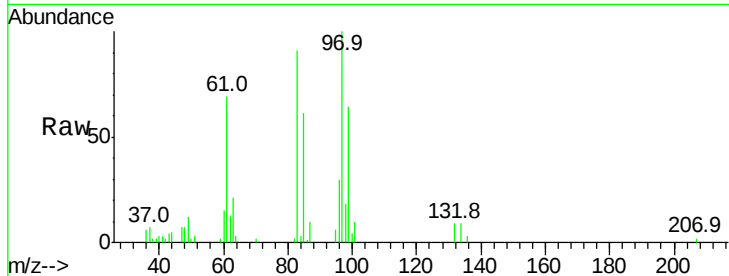
Ion Ratio Lower Upper

97 100

83 91.1 60.5 112.5

85 60.5 38.8 72.0

99 63.9 44.7 82.9

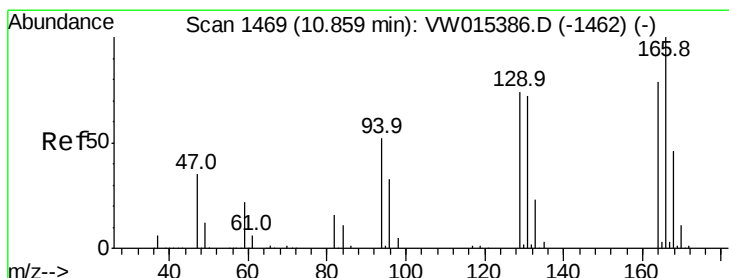
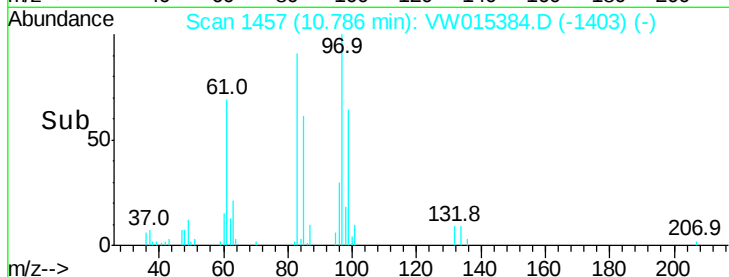
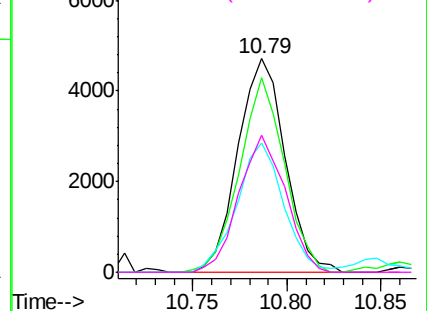


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.197 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Tgt Ion: 164 Resp: 9182

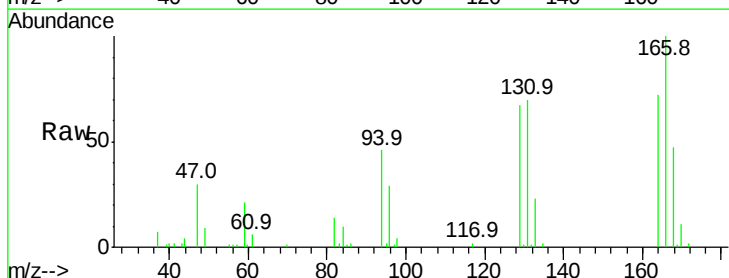
Ion Ratio Lower Upper

164 100

129 95.7 65.8 122.2

131 97.4 63.7 118.3

166 139.0 88.8 165.0

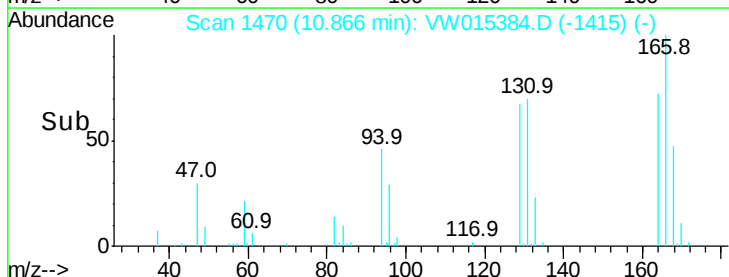
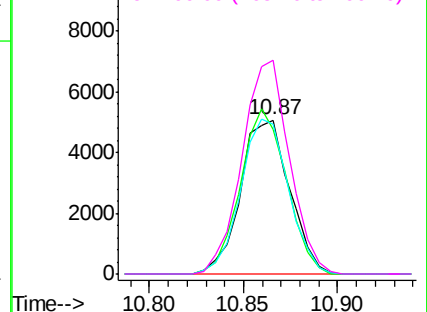


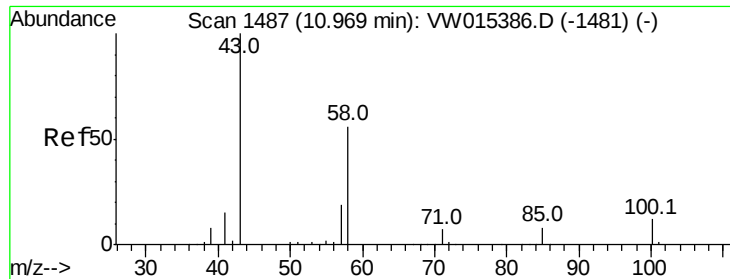
Abundance Ion 164.00 (163.70 to 164.70): V

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: 7.519 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

VSTD2.502

Tgt Ion: 43 Resp: 9594

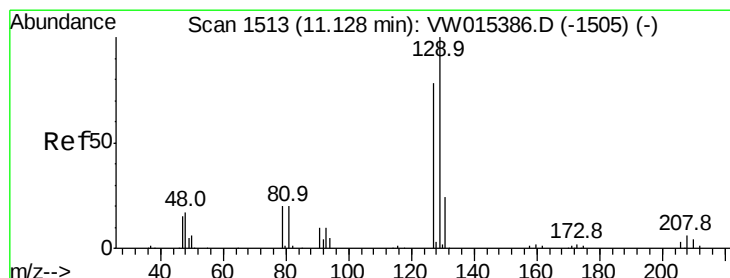
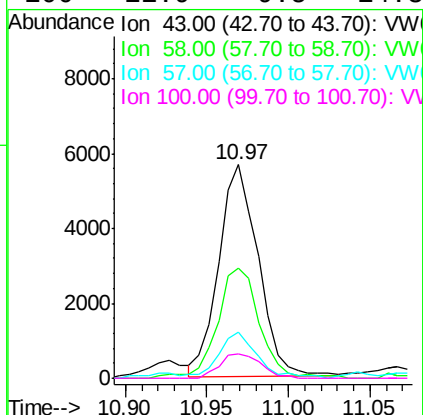
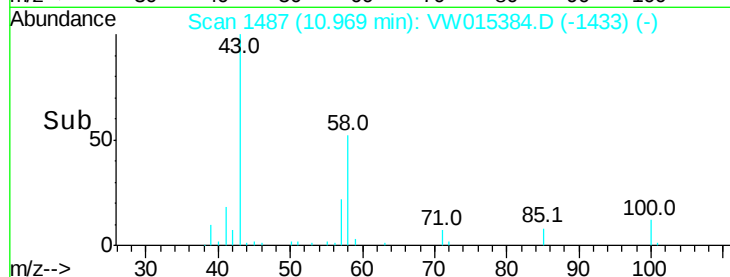
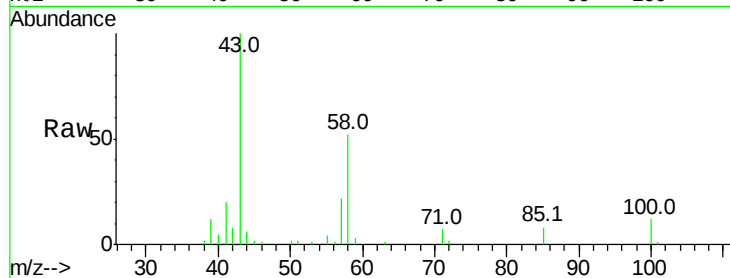
Ion Ratio Lower Upper

43 100

58 51.1 41.5 62.3

57 20.9 15.3 22.9

100 11.9 9.5 14.3



#50

Dibromochloromethane

Concen: 2.358 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015384.D

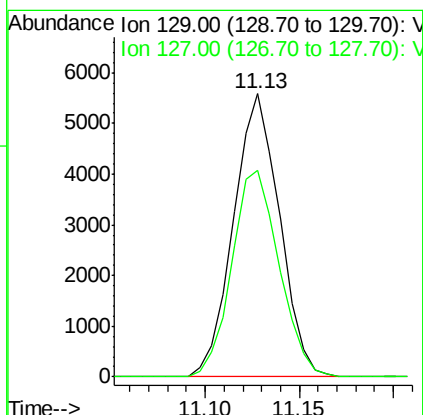
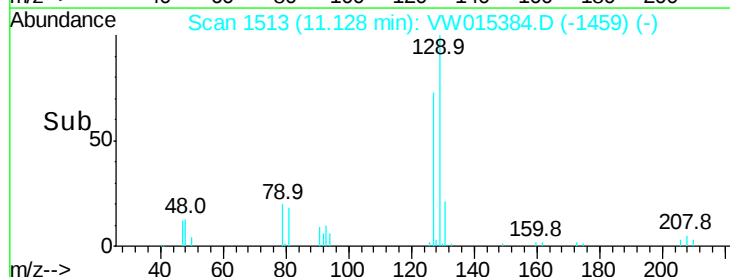
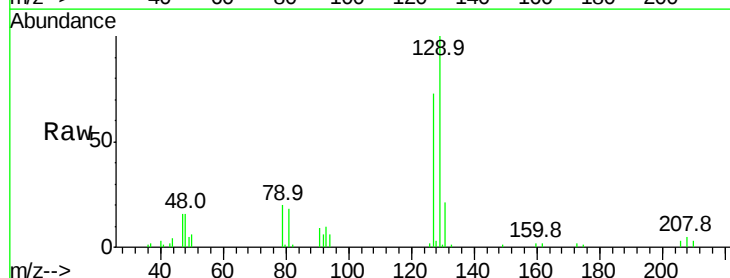
Acq: 04 May 2020 14:06

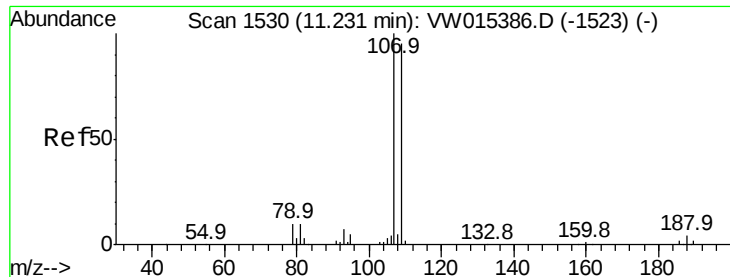
Tgt Ion: 129 Resp: 9461

Ion Ratio Lower Upper

129 100

127 73.1 54.5 101.1





#51

1,2-Dibromoethane

Concen: 2.626 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

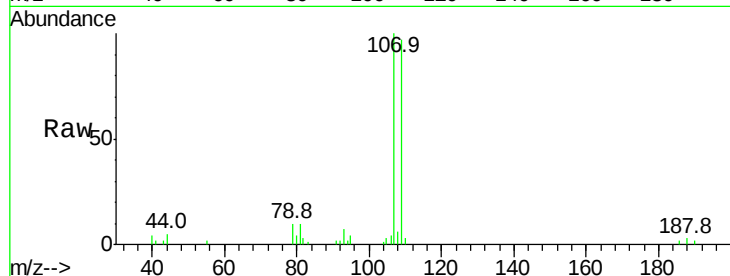
Tgt Ion:107 Resp: 7765

Ion Ratio Lower Upper

107 100

109 96.9 66.2 123.0

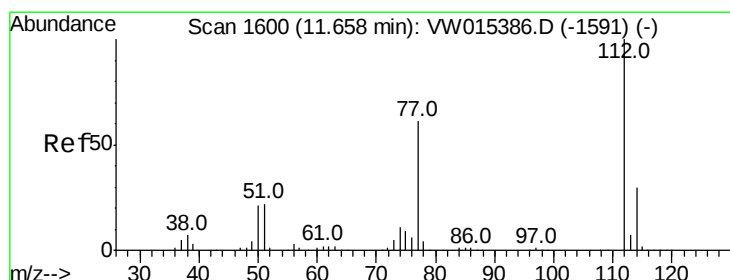
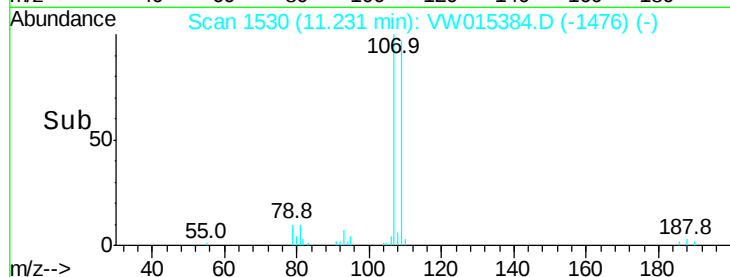
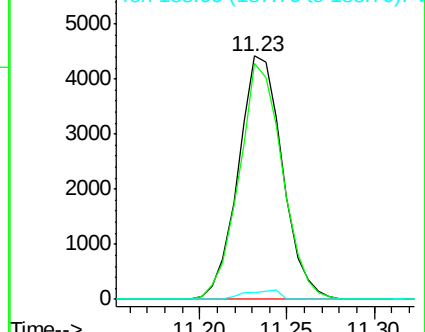
188 2.7 2.9 4.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.658 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

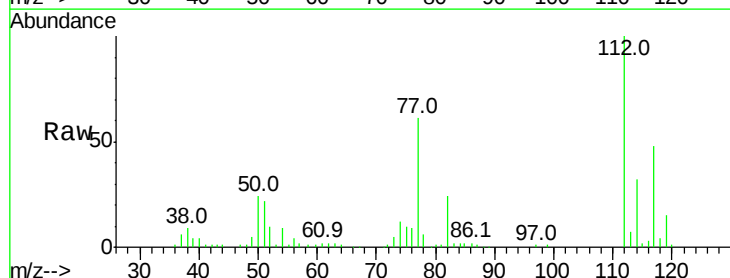
Tgt Ion:112 Resp: 31656

Ion Ratio Lower Upper

112 100

77 61.3 48.6 73.0

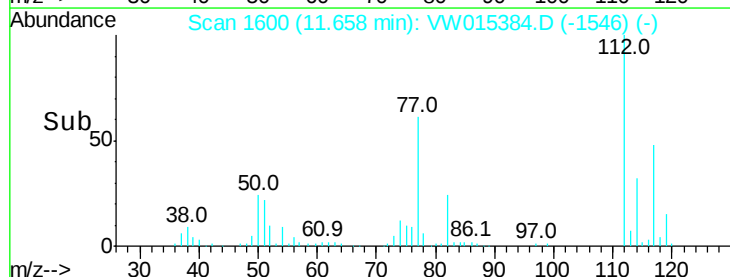
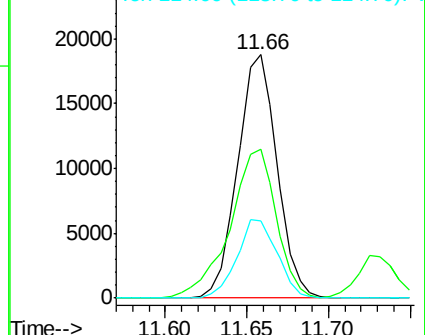
114 31.9 21.2 39.4

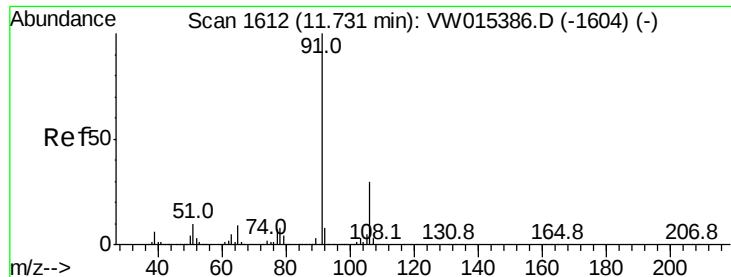


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.891 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

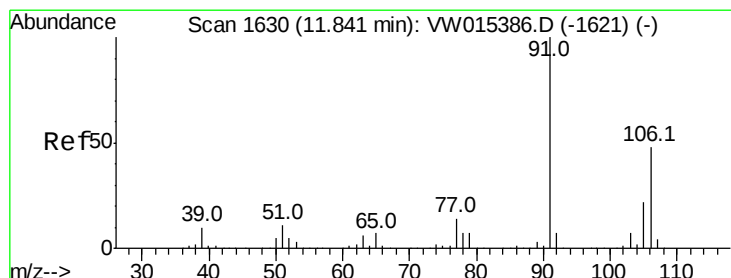
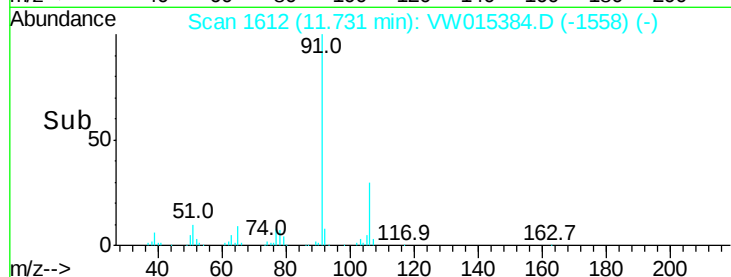
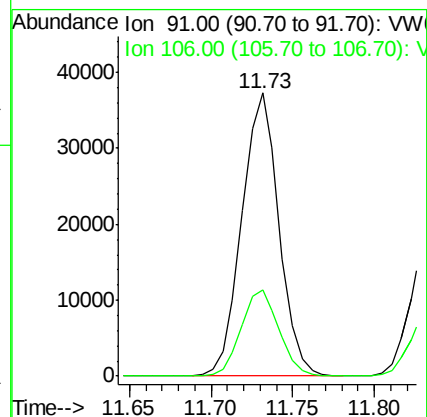
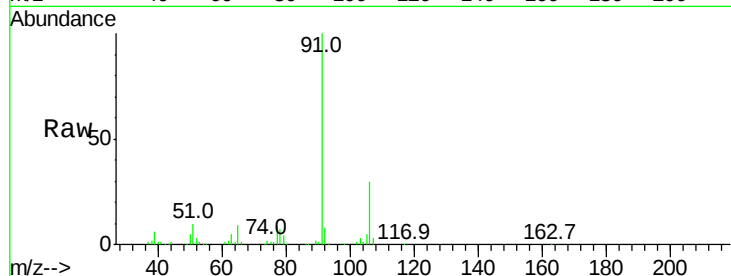
VSTD2.502

Tgt Ion: 91 Resp: 59091

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#54

m,p-Xylene

Concen: 2.614 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015384.D

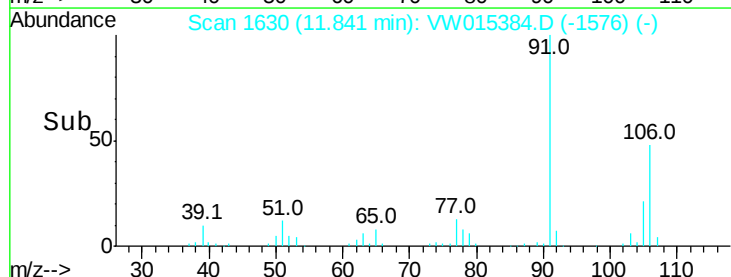
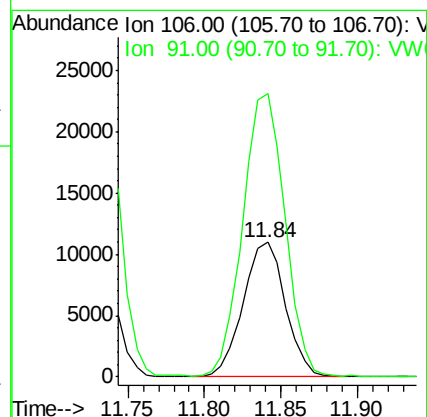
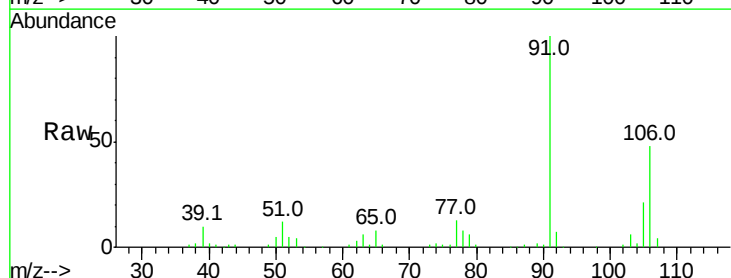
Acq: 04 May 2020 14:06

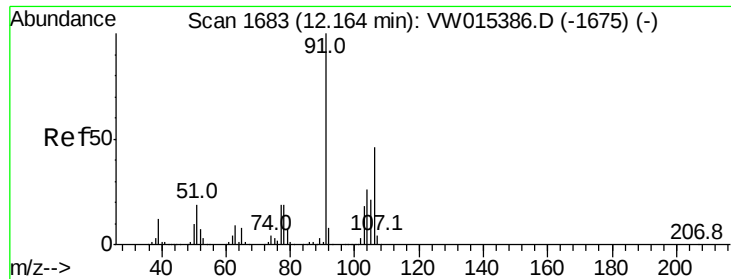
Tgt Ion: 106 Resp: 21156

Ion Ratio Lower Upper

106 100

91 210.0 145.0 269.4

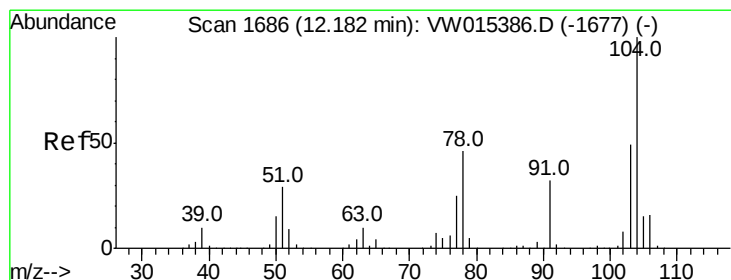
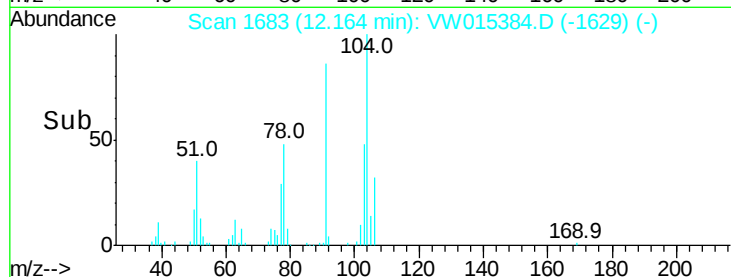
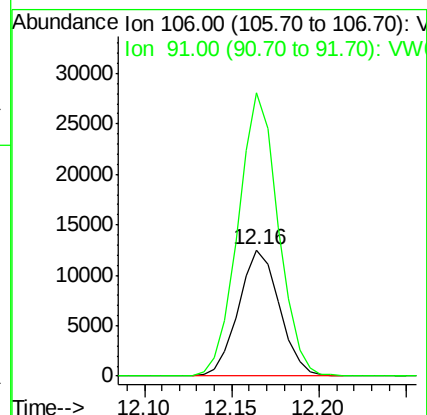
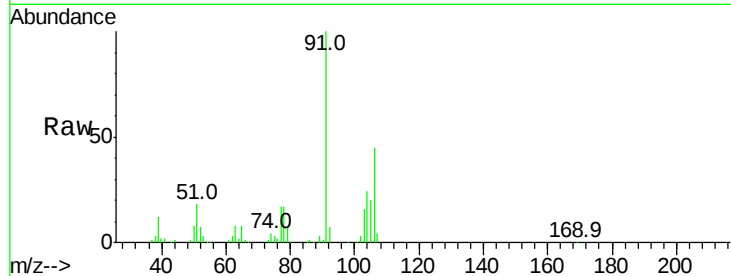




#55
o-xylene
Concen: 2.622 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

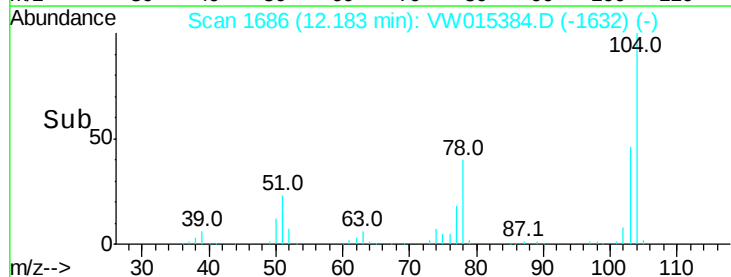
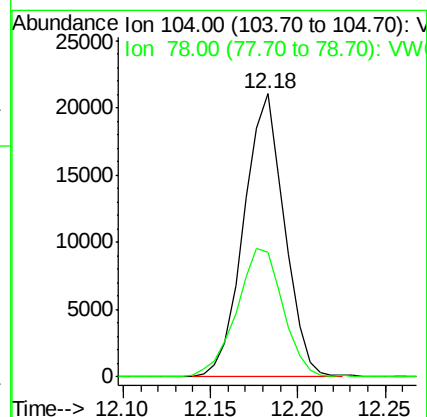
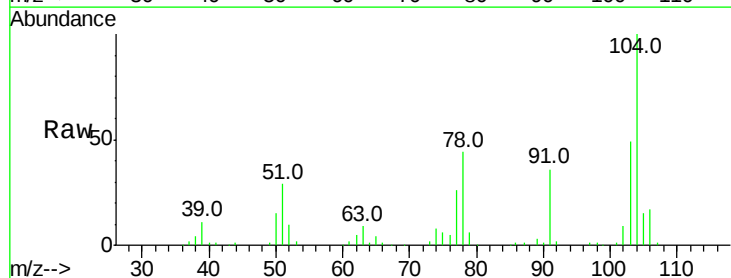
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

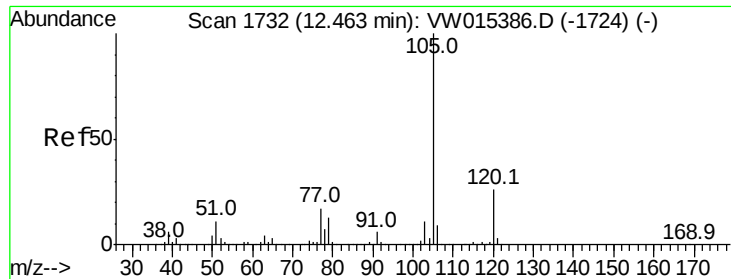
Tgt Ion:106 Resp: 20359
Ion Ratio Lower Upper
106 100
91 224.7 152.3 282.9



#56
Styrene
Concen: 2.607 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015384.D
Acq: 04 May 2020 14:06

Tgt Ion:104 Resp: 33978
Ion Ratio Lower Upper
104 100
78 43.8 32.4 60.2





#57

Isopropylbenzene

Concen: 2.645 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

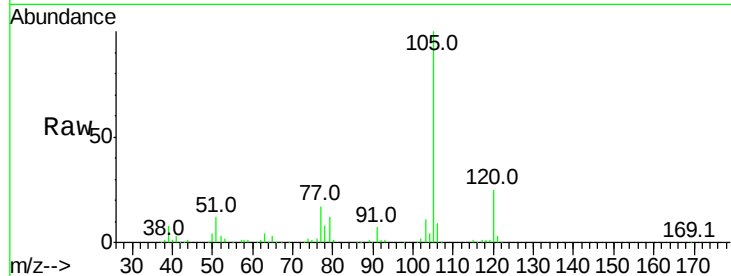
Tgt Ion: 105 Resp: 55903

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

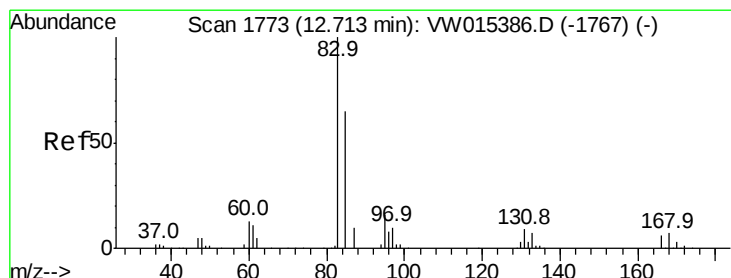
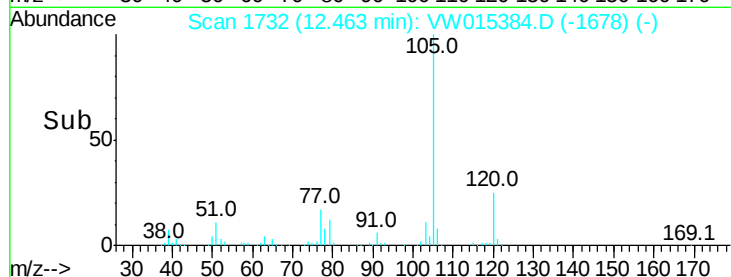
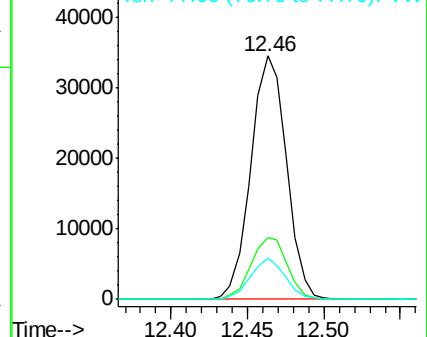
77 16.4 13.3 19.9



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: 2.863 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

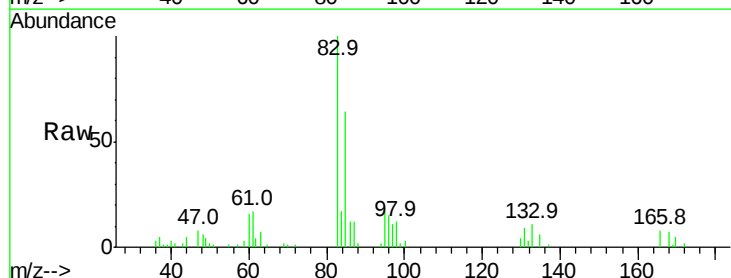
Tgt Ion: 83 Resp: 9446

Ion Ratio Lower Upper

83 100

85 64.4 46.3 86.1

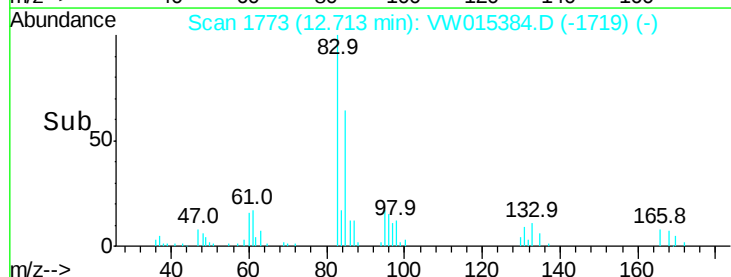
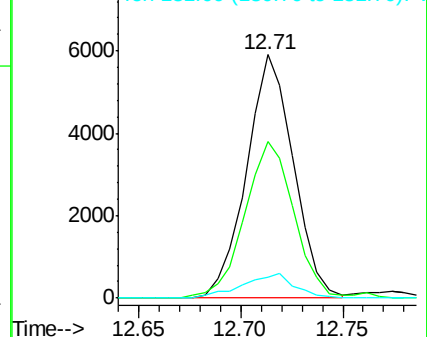
131 8.8 7.9 11.9

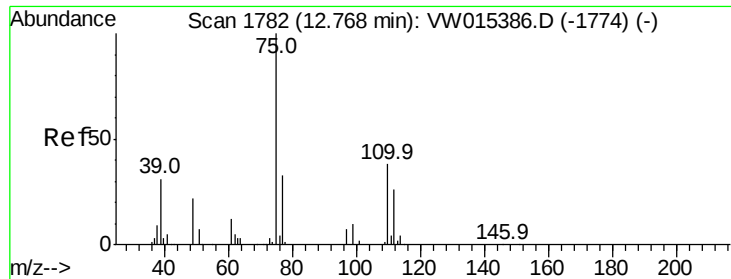


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 3.096 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

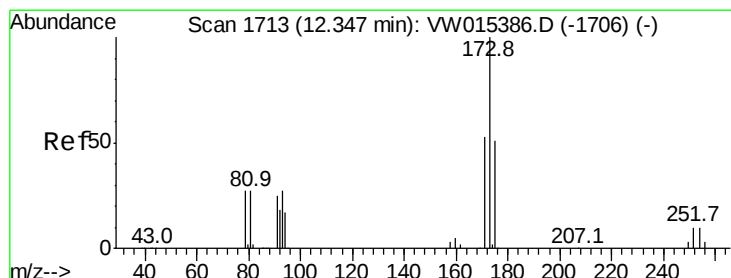
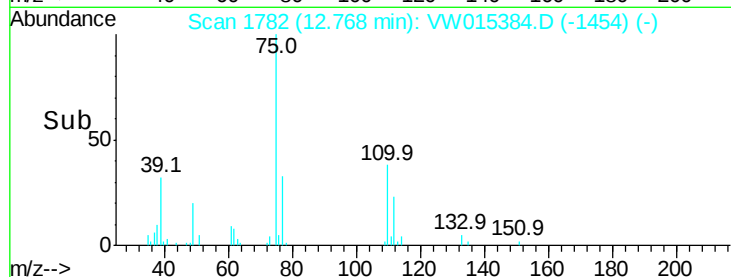
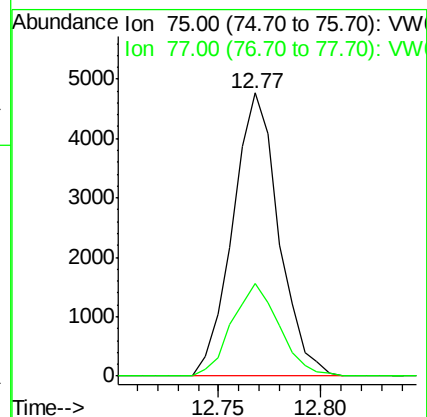
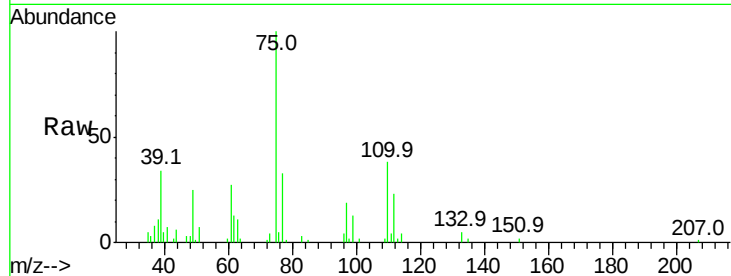
VSTD2.502

Tgt Ion: 75 Resp: 7449

Ion Ratio Lower Upper

75 100

77 33.7 25.9 38.9



#62

Bromoform

Concen: 2.335 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

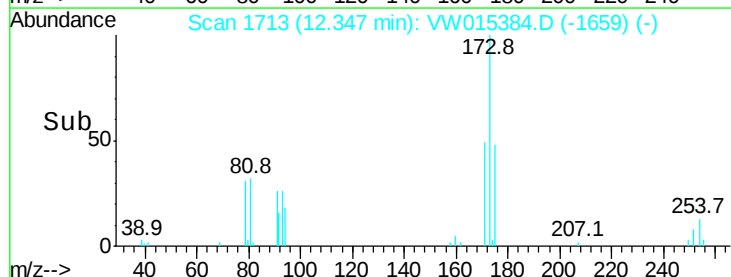
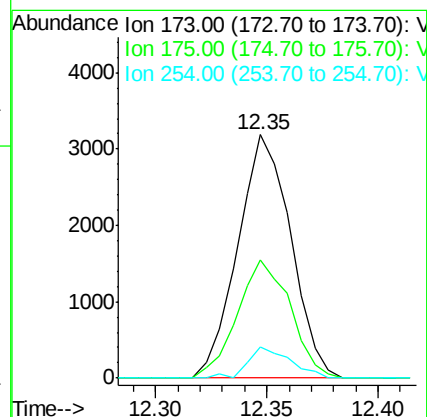
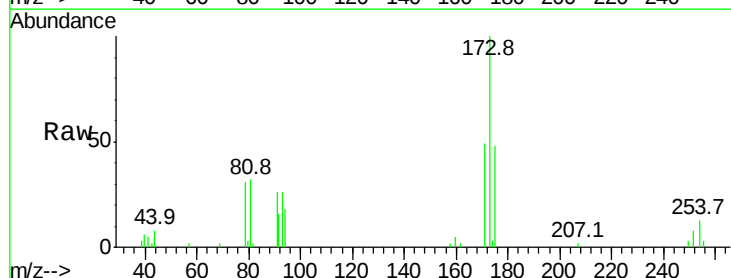
Tgt Ion: 173 Resp: 5272

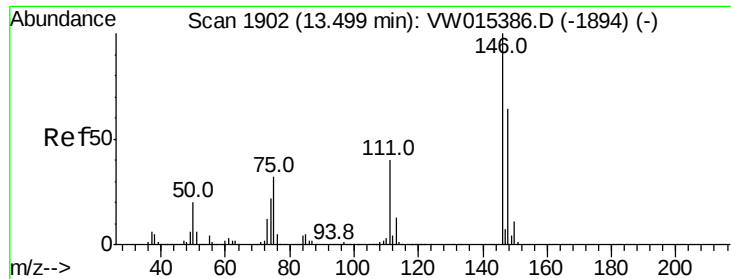
Ion Ratio Lower Upper

173 100

175 48.5 40.7 61.1

254 9.8 7.6 11.4





#63

1,3-Dichlorobenzene

Concen: 2.625 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

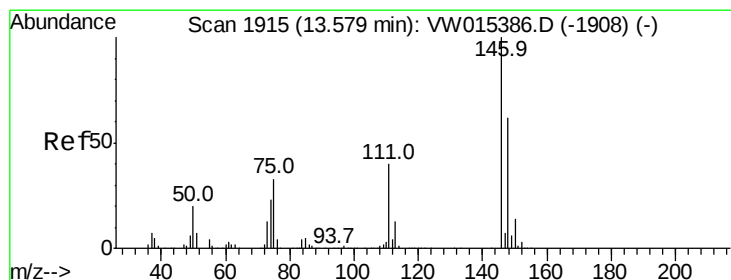
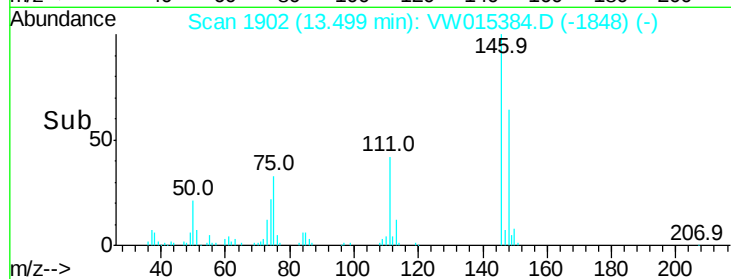
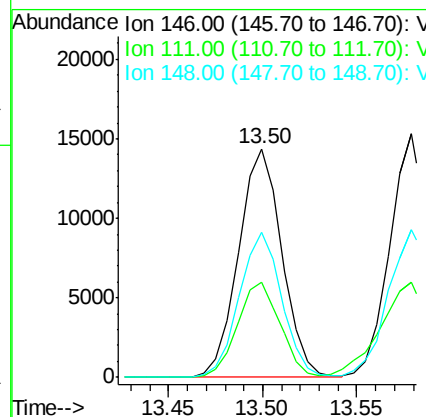
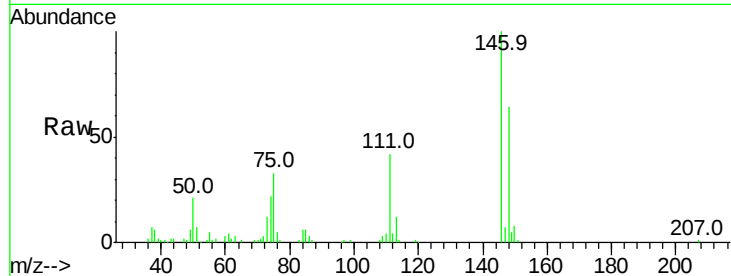
Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.502

Tgt Ion:146 Resp: 22923

Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.9	51.9
148	63.5	44.5	82.7



#64

1,4-Dichlorobenzene

Concen: 2.686 ug/L

RT: 13.58 min Scan# 1915

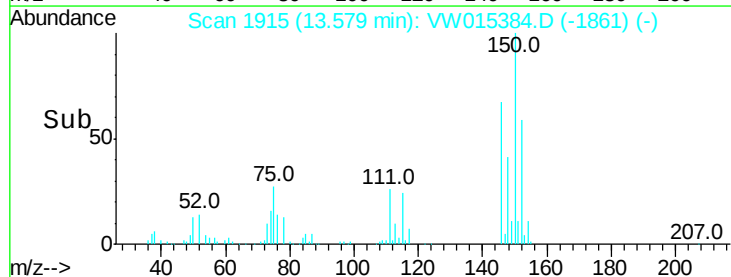
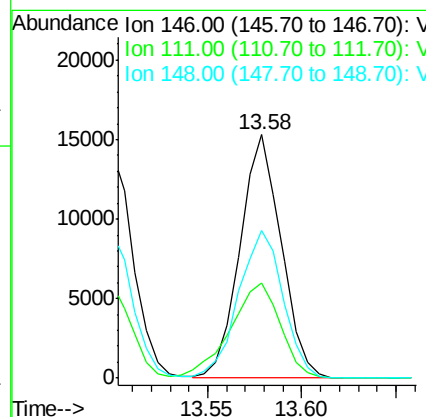
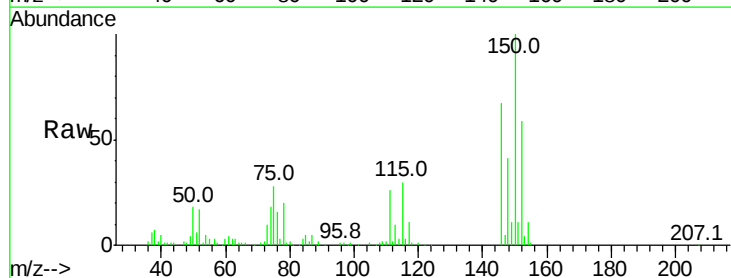
Delta R.T. 0.00 min

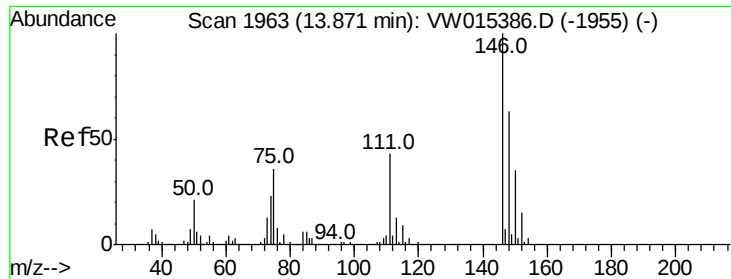
Lab File: VW015384.D

Acq: 04 May 2020 14:06

Tgt Ion:146 Resp: 23203

Ion	Ratio	Lower	Upper
146	100		
111	38.9	28.2	52.4
148	60.6	43.8	81.3

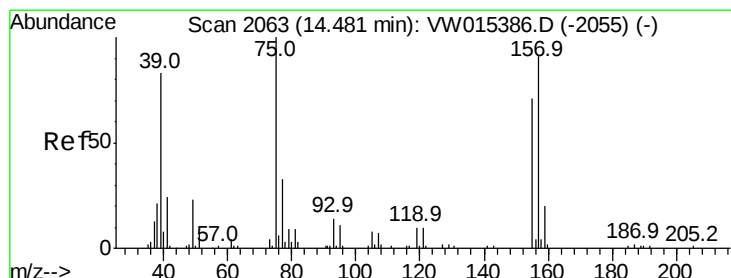
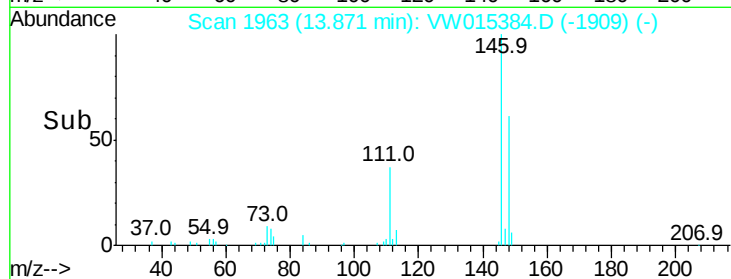
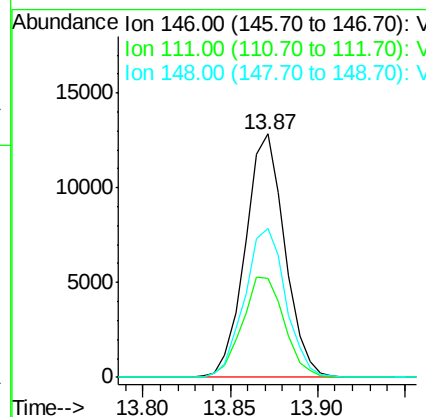
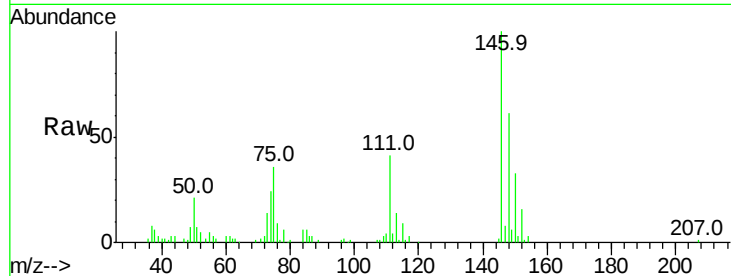




#65
 1,2-Dichlorobenzene
 Concen: 2.573 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015384.D
 Acq: 04 May 2020 14:06

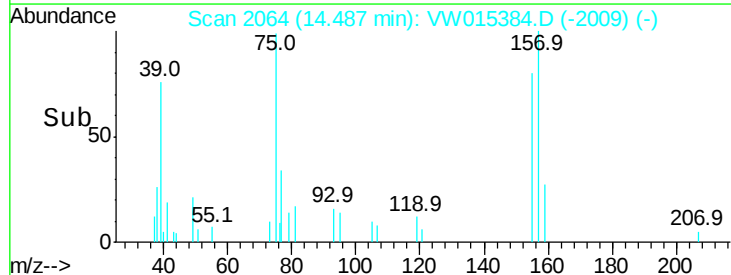
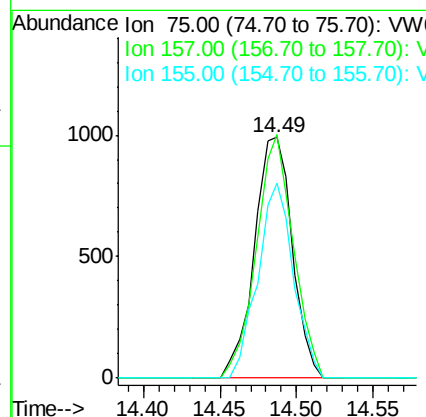
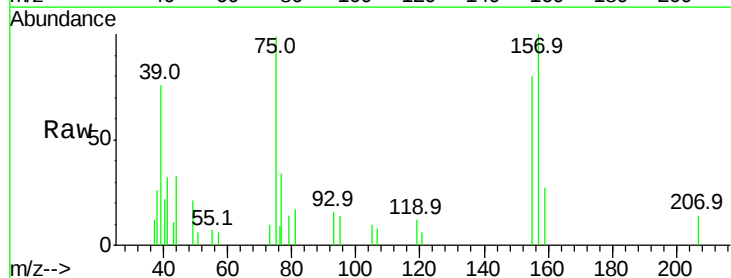
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

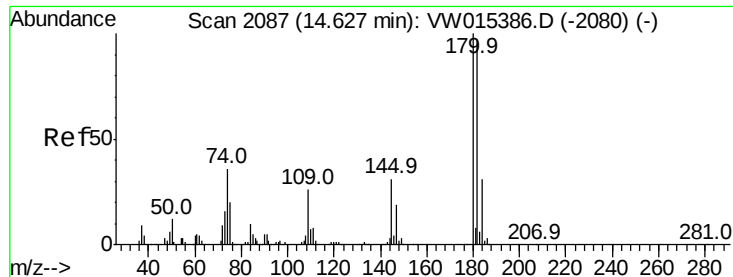
Tgt Ion:146 Resp: 20168
 Ion Ratio Lower Upper
 146 100
 111 40.5 34.3 51.5
 148 61.0 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.325 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015384.D
 Acq: 04 May 2020 14:06

Tgt Ion: 75 Resp: 1705
 Ion Ratio Lower Upper
 75 100
 157 101.1 72.7 109.1
 155 80.7 56.7 85.1

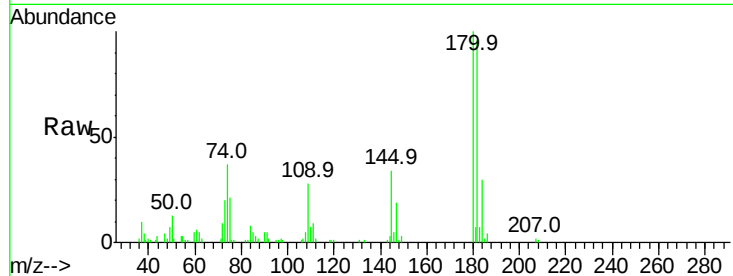




#67
 1,3,5-Trichlorobenzene
 Concen: 2.243 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015384.D
 Acq: 04 May 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Tgt Ion:	180	Resp:	15139
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
184	31.4	24.7	37.1
145	32.4	24.7	37.1

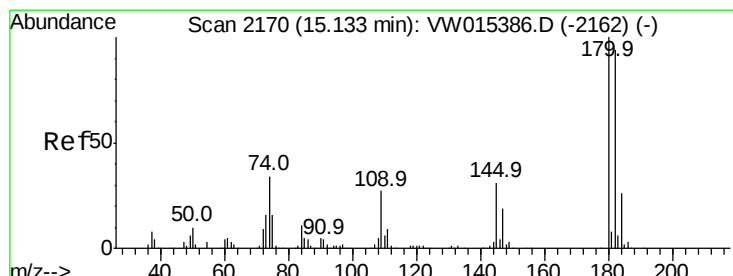
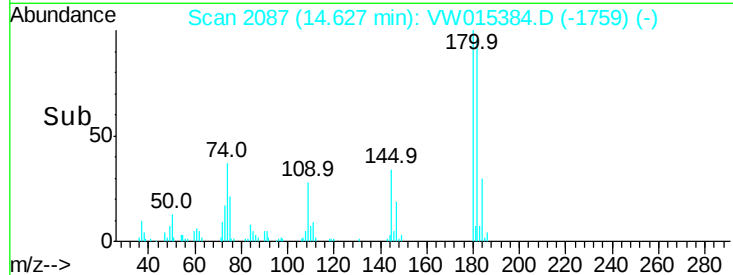
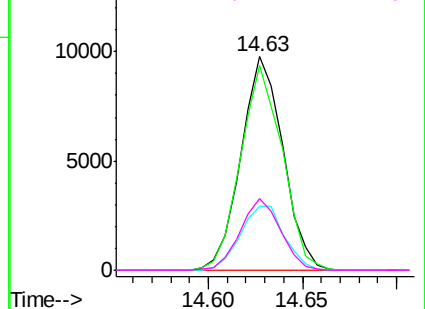


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

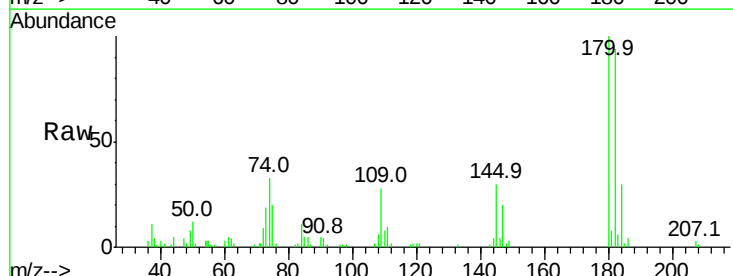
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.148 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015384.D
 Acq: 04 May 2020 14:06

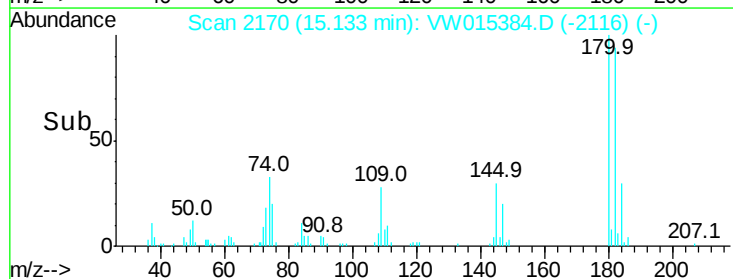
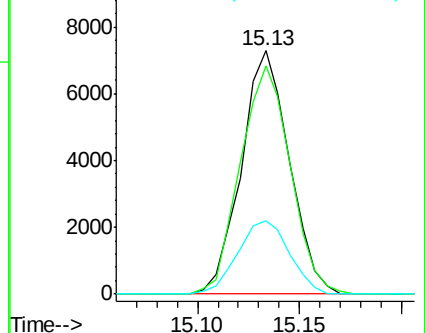
Tgt Ion:	180	Resp:	11916
Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.9	116.9
145	32.3	26.5	39.7

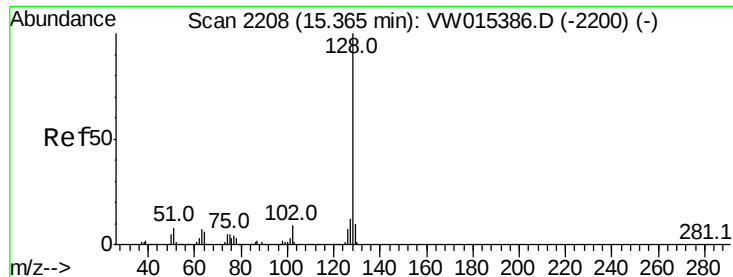


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 2.484 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.502

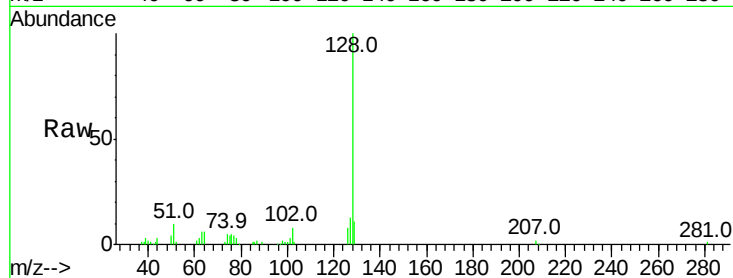
Tgt Ion:128 Resp: 23038

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

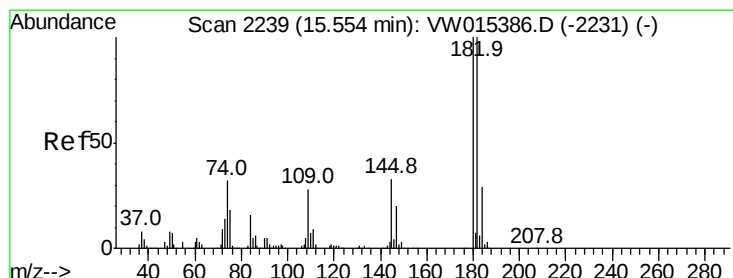
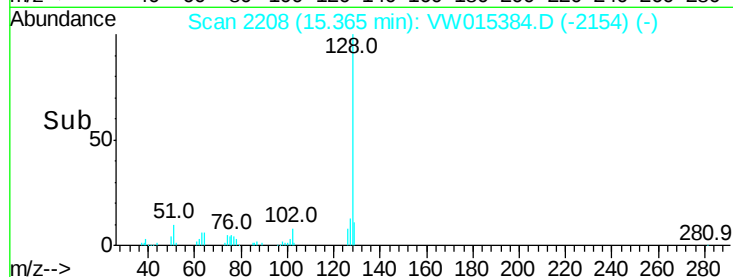
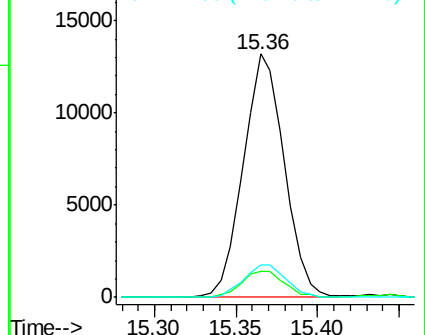
127 13.7 10.3 15.5



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: 2.271 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015384.D

Acq: 04 May 2020 14:06

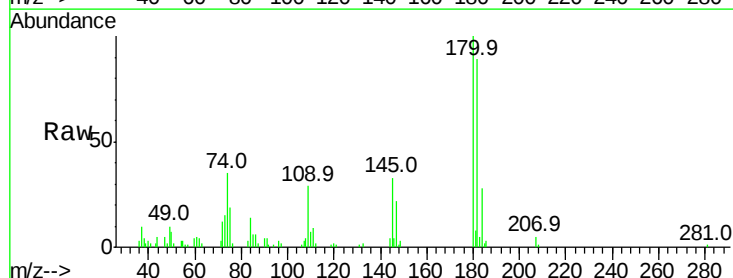
Tgt Ion:180 Resp: 10879

Ion Ratio Lower Upper

180 100

182 91.5 75.7 113.5

145 33.9 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

