

Data File : VW015186.D
Acq On : 14 Apr 2020 11:21
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Quant Time: Apr 14 12:52:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 14 12:51:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1038596	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	894919	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	388939	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	16503	1.68	ug/L	0.00
7) Chloroethane-d5	2.89	69	20597	2.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	58737	2.26	ug/L	0.00
20) 2-Butanone-d5	7.08	46	15687	4.67	ug/L	0.00
24) Chloroform-d	7.64	84	58369	2.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	28971	2.39	ug/L	0.00
29) Benzene-d6	8.27	84	123331	2.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36291	2.37	ug/L	0.00
37) Toluene-d8	10.32	98	115877	2.50	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	16333	2.34	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12497	4.57	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26004	2.32	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	35223	2.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	24803	3.304 ug/L	89
3) Chloromethane	2.21	50	30328	3.254 ug/L	99
5) Vinyl chloride	2.36	62	20518	1.644 ug/L	98
6) Bromomethane	2.78	94	14776	2.289 ug/L	87
8) Chloroethane	2.92	64	17767	2.877 ug/L	94
9) Trichlorofluoromethane	3.26	101	23435	2.369 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	35653	2.494 ug/L	95
12) 1,1-Dichloroethene	4.03	96	32771	2.320 ug/L	90
13) Acetone	4.13	43	15522	7.289 ug/L	99
14) Carbon disulfide	4.38	76	97518	2.083 ug/L	97
16) Methylene chloride	4.91	84	41826	2.840 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	46656	2.463 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	34638	2.419 ug/L	94
19) 1,1-Dichloroethane	6.21	63	57145	2.317 ug/L	95
21) 2-Butanone	7.18	43	20361	5.864 ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	35882	2.413 ug/L	96
23) Bromochloromethane	7.51	128	15051	2.464 ug/L	94
25) Chloroform	7.67	83	56424	2.353 ug/L	99
27) 1,2-Dichloroethane	8.40	62	34220	2.346 ug/L	96
30) Cyclohexane	7.95	56	57926	2.327 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	49114	2.423 ug/L	99
32) Carbon tetrachloride	8.06	117	44793	2.416 ug/L	97
34) Benzene	8.32	78	137846	2.477 ug/L	100
35) Trichloroethene	9.09	95	35388	2.407 ug/L	98
36) Methylcyclohexane	9.33	83	64533	2.417 ug/L	99
40) 1,2-Dichloropropane	9.37	63	32808	2.416 ug/L	99
41) Bromodichloromethane	9.65	83	39691	2.274 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	49589	2.264 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	38842	4.802 ug/L	98
44) Toluene	10.38	91	142209	2.425 ug/L	100

Data File : VW015186.D
Acq On : 14 Apr 2020 11:21
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Quant Time: Apr 14 12:52:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 14 12:51:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	41986	2.227	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	23713	2.451	ug/L	97
47) Tetrachloroethene	10.86	164	27312	2.594	ug/L	97
49) 2-Hexanone	10.97	43	23611	4.430	ug/L	97
50) Dibromochloromethane	11.13	129	27258	2.408	ug/L	97
51) 1,2-Dibromoethane	11.23	107	21986	2.411	ug/L	92
52) Chlorobenzene	11.66	112	88022	2.443	ug/L	96
53) Ethylbenzene	11.73	91	158900	2.409	ug/L	99
54) m,p-Xylene	11.84	106	62073	2.454	ug/L	87
55) o-xylene	12.16	106	58082	2.402	ug/L	96
56) Styrene	12.18	104	96106	2.364	ug/L	98
57) Isopropylbenzene	12.46	105	157874	2.419	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	26060	2.312	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	19818	2.380	ug/L	93
62) Bromoform	12.35	173	15498	2.489	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	62739	2.440	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	61646	2.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	55450	2.429	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.48	75	4567	2.415	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	41948	2.370	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	33382	2.363	ug/L	97
69) Naphthalene	15.36	128	66516	2.350	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	28551	2.321	ug/L	99

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

Data File : VW015186.D

Acq On : 14 Apr 2020 11:21

Operator : SY/VA

Sample : VSTD2.5

Misc : 5.00G/10ML/MSVOA_W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

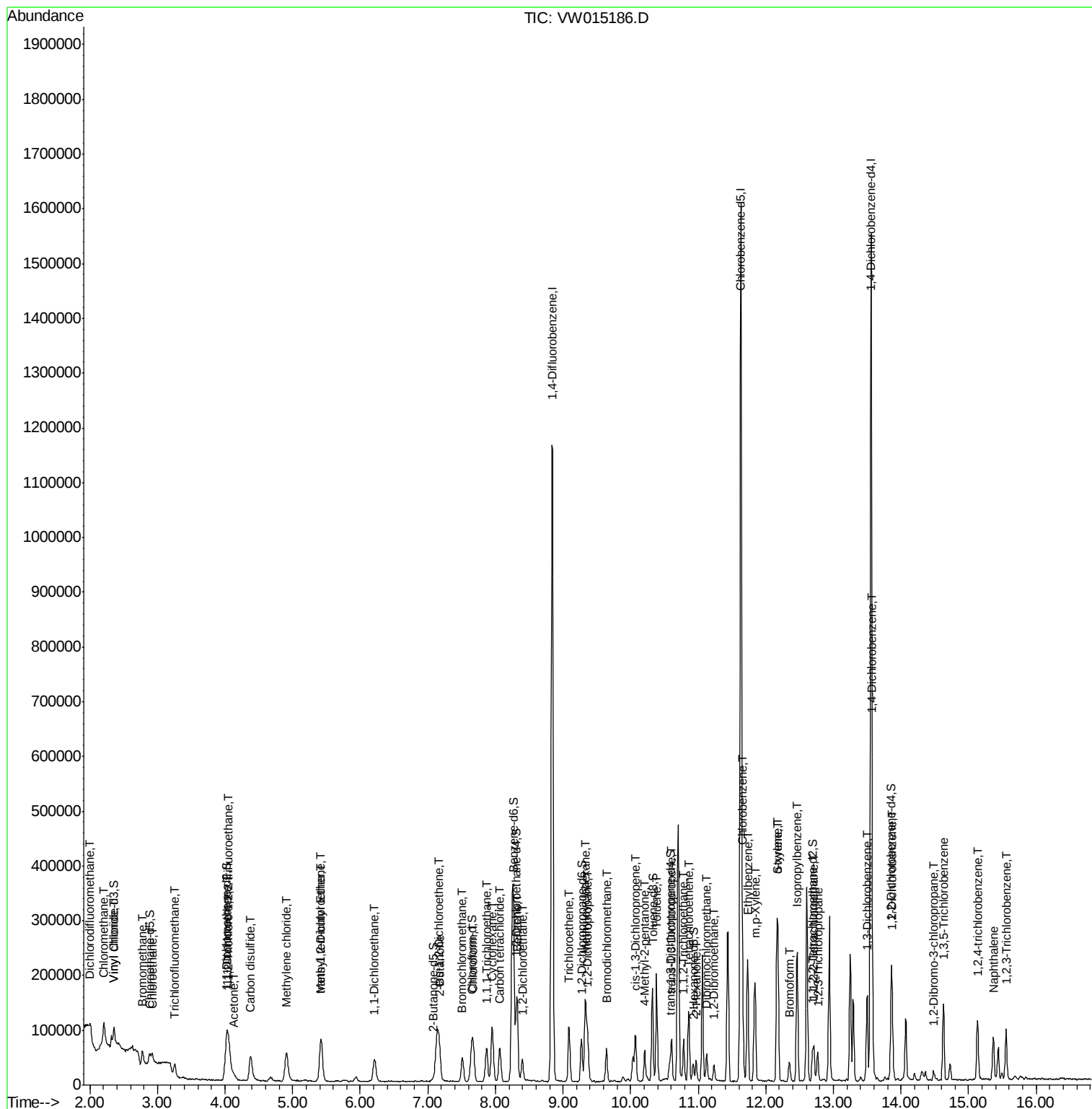
Quant Time: Apr 14 12:52:47 2020

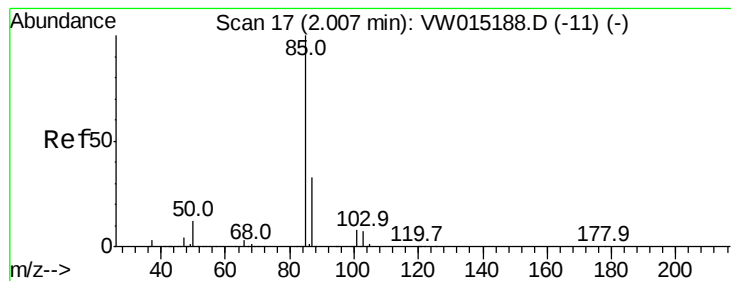
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 14 12:51:04 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.304 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

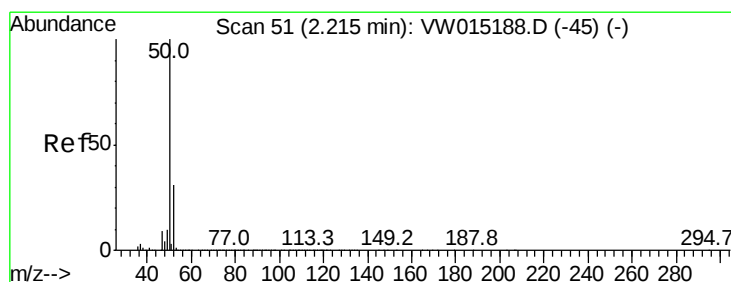
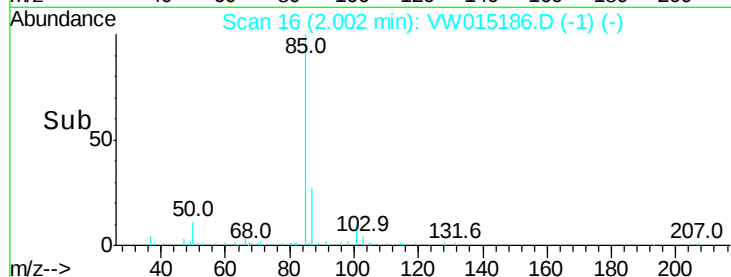
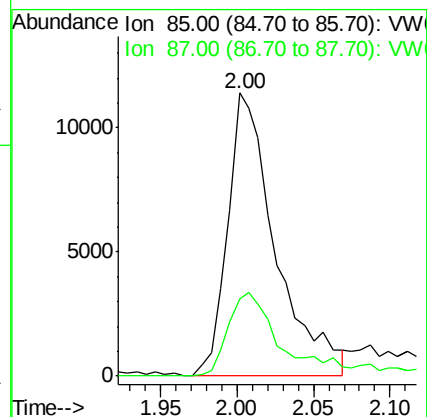
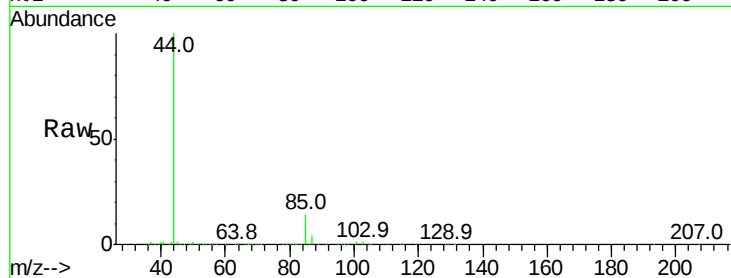
VSTD2.505

Tgt Ion: 85 Resp: 24803

Ion Ratio Lower Upper

85 100

87 26.8 23.3 43.3



#3

Chloromethane

Concen: 3.254 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015186.D

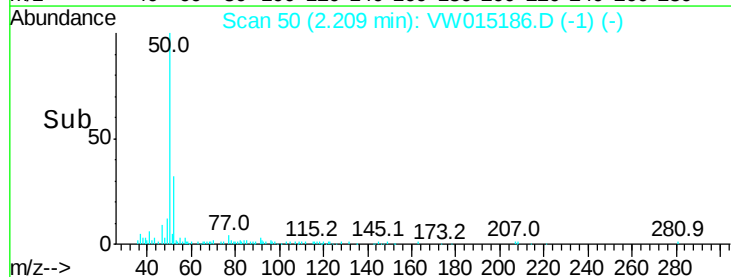
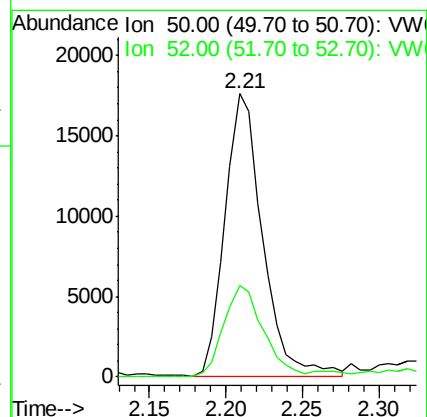
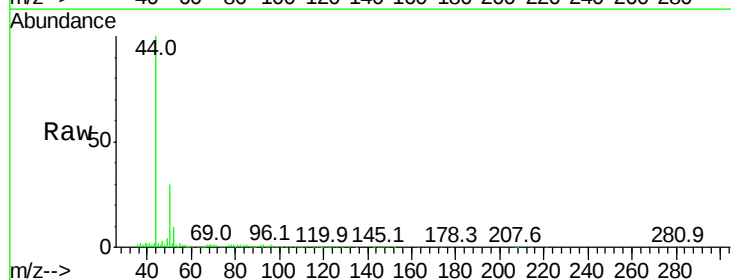
Acq: 14 Apr 2020 11:21

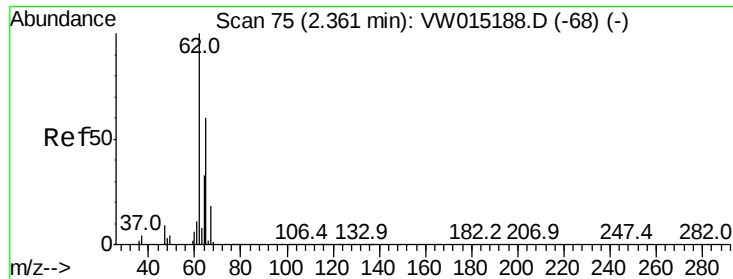
Tgt Ion: 50 Resp: 30328

Ion Ratio Lower Upper

50 100

52 32.1 22.0 40.8





#5

Vinyl chloride

Concen: 1.644 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

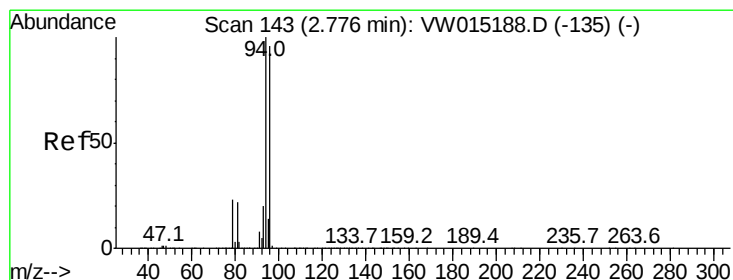
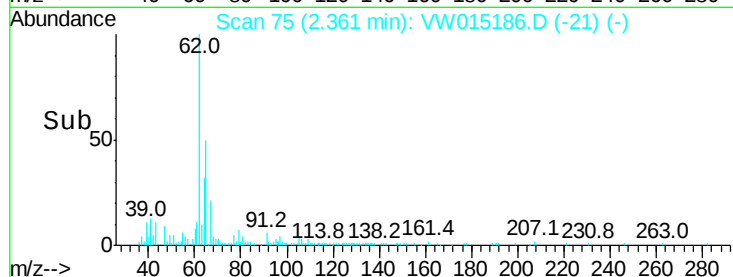
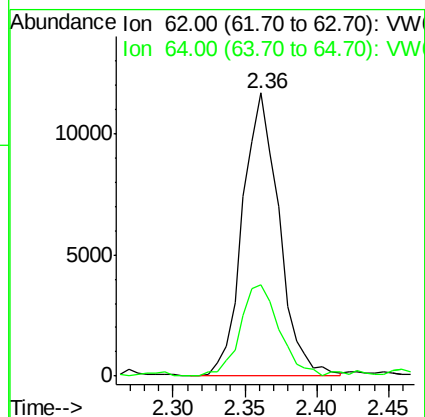
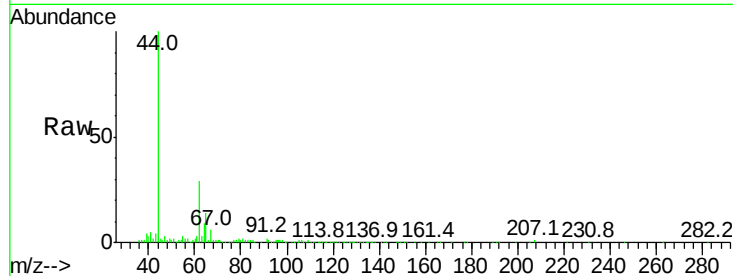
VSTD2.505

Tgt Ion: 62 Resp: 20518

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



#6

Bromomethane

Concen: 2.289 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015186.D

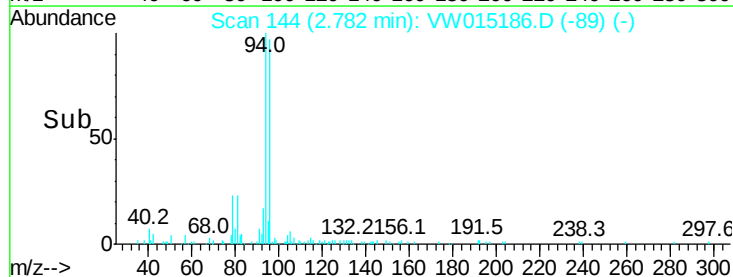
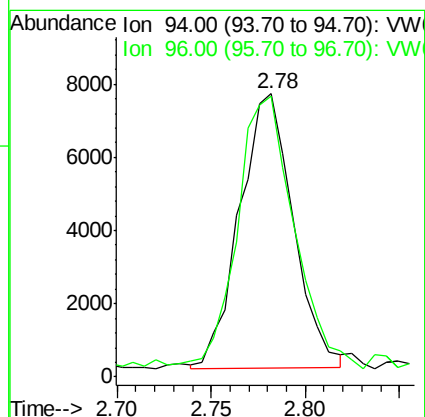
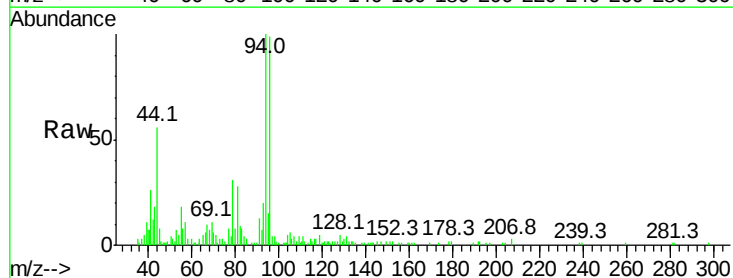
Acq: 14 Apr 2020 11:21

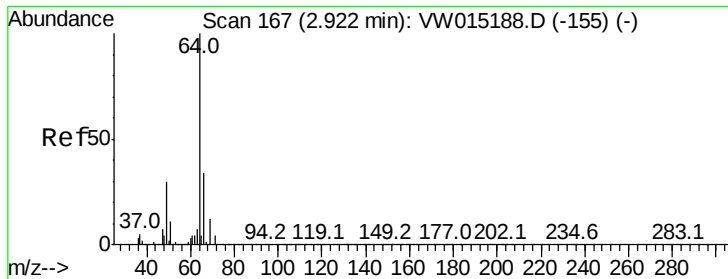
Tgt Ion: 94 Resp: 14776

Ion Ratio Lower Upper

94 100

96 105.2 9.3 176.5





#8

Chloroethane

Concen: 2.877 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

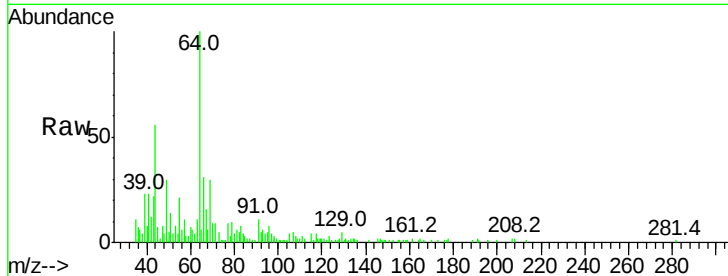
VSTD2.505

Tgt Ion: 64 Resp: 17767

Ion Ratio Lower Upper

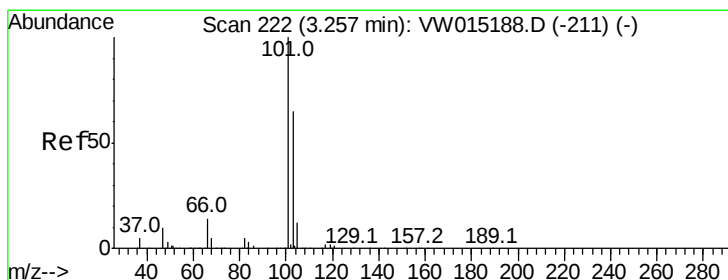
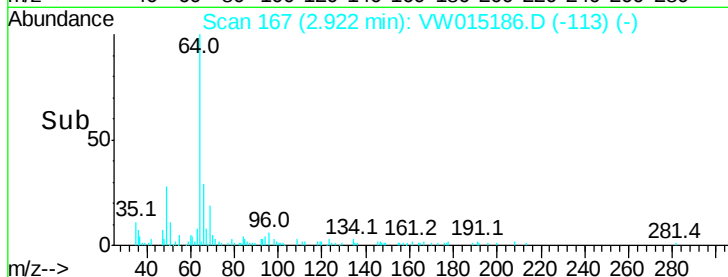
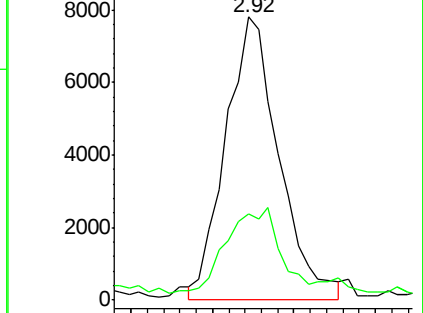
64 100

66 30.7 23.9 44.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 2.369 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW015186.D

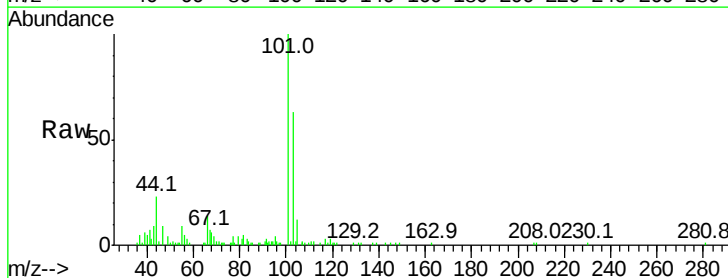
Acq: 14 Apr 2020 11:21

Tgt Ion: 101 Resp: 23435

Ion Ratio Lower Upper

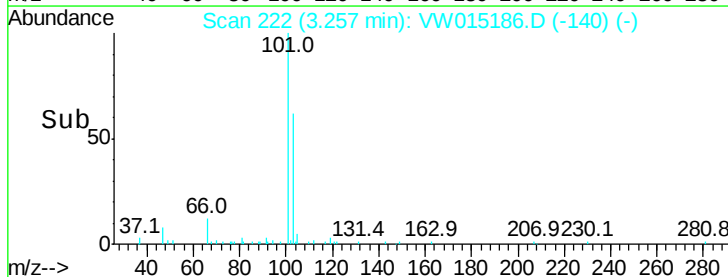
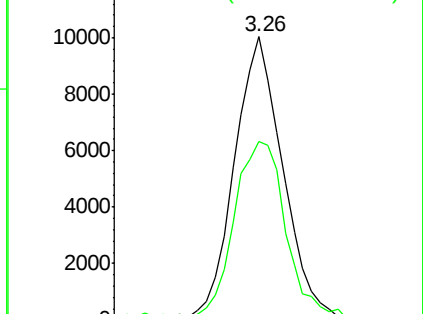
101 100

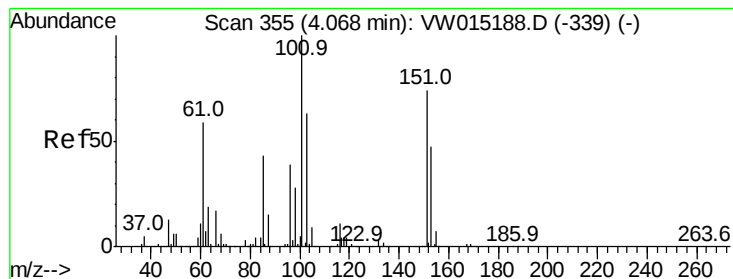
103 67.4 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.494 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

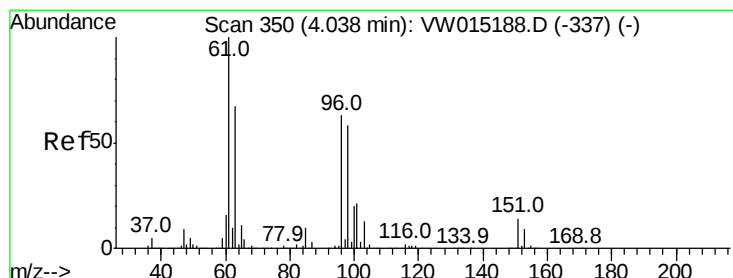
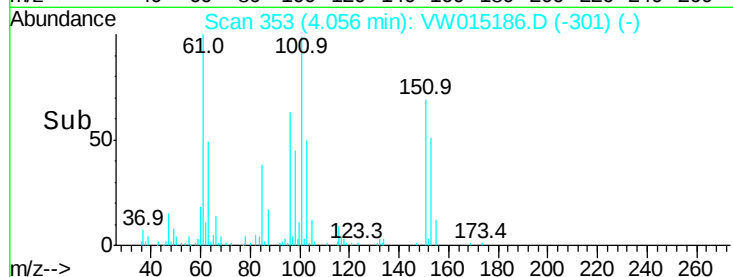
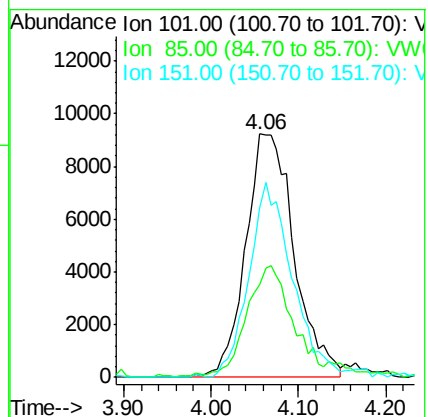
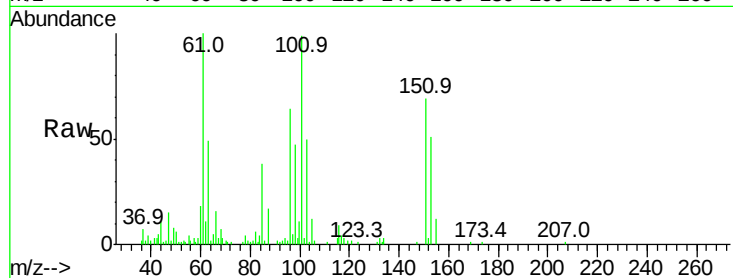
Tgt Ion: 101 Resp: 35653

Ion Ratio Lower Upper

101 100

85 40.5 33.5 50.3

151 68.2 59.1 88.7



#12

1,1-Dichloroethene

Concen: 2.320 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

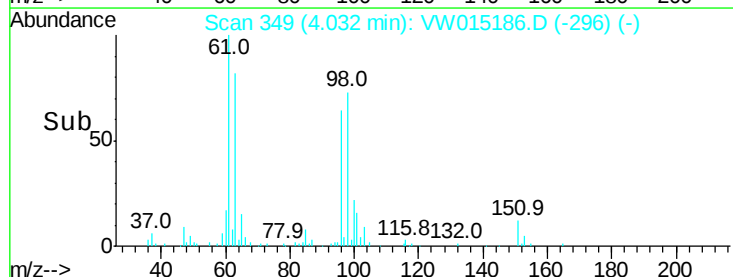
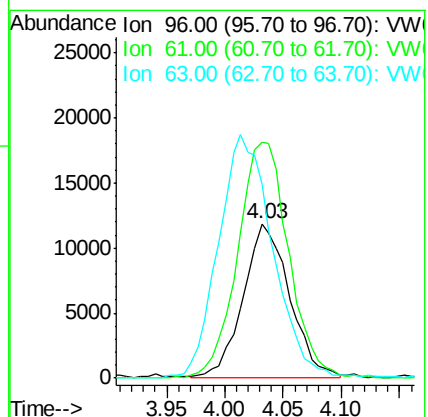
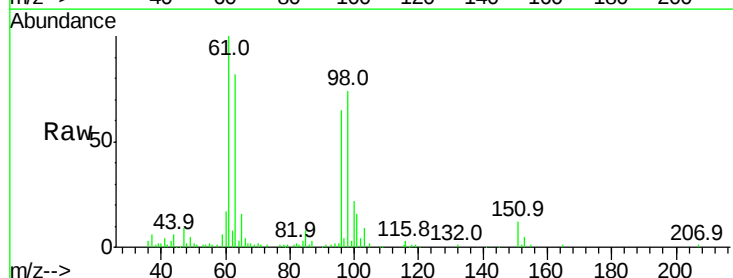
Tgt Ion: 96 Resp: 32771

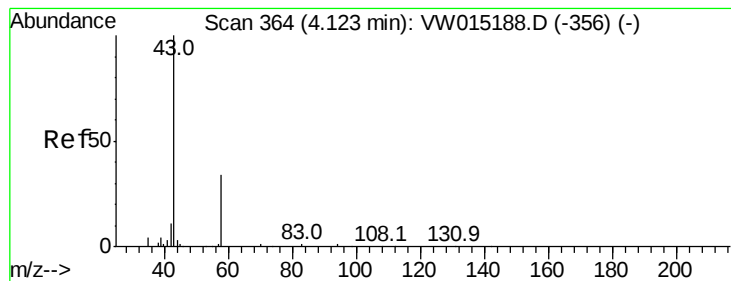
Ion Ratio Lower Upper

96 100

61 153.5 111.0 206.2

63 126.1 74.4 138.2





#13

Acetone

Concen: 7.289 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

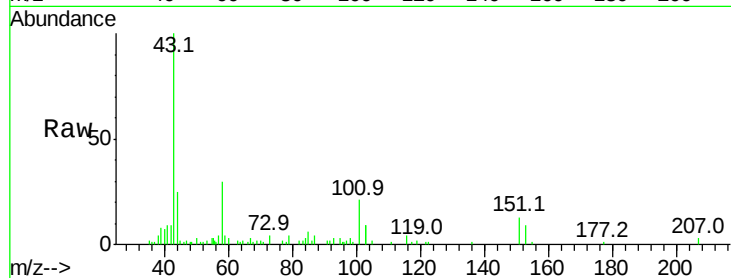
VSTD2.505

Tgt Ion: 43 Resp: 15522

Ion Ratio Lower Upper

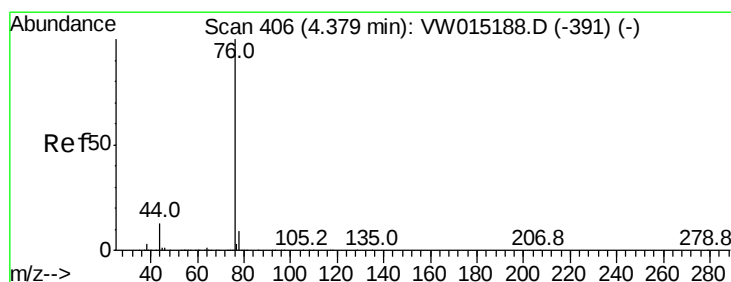
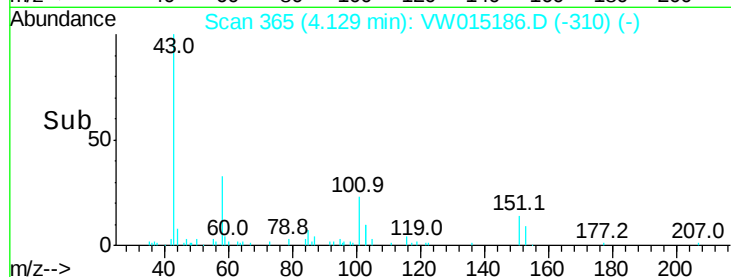
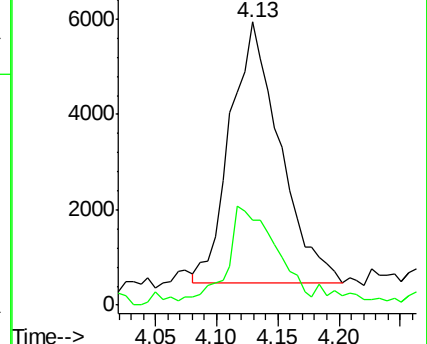
43 100

58 37.8 0.0 77.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.083 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015186.D

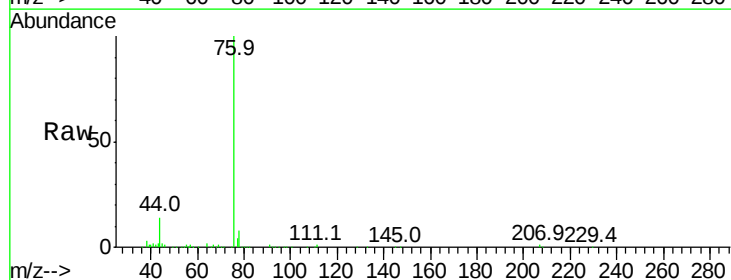
Acq: 14 Apr 2020 11:21

Tgt Ion: 76 Resp: 97518

Ion Ratio Lower Upper

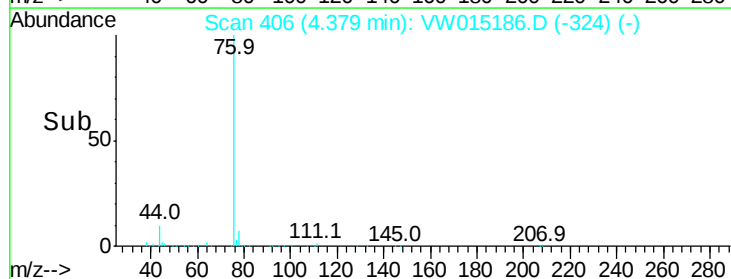
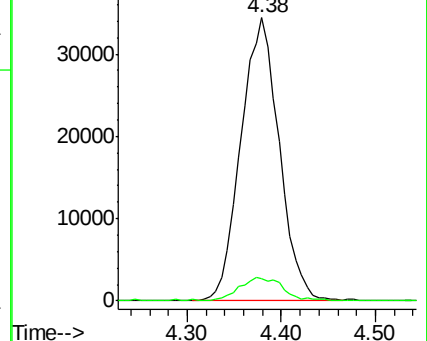
76 100

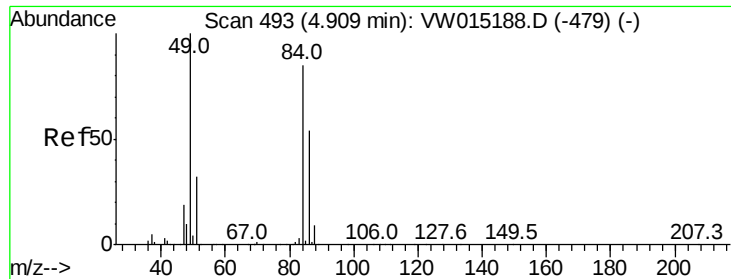
78 7.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

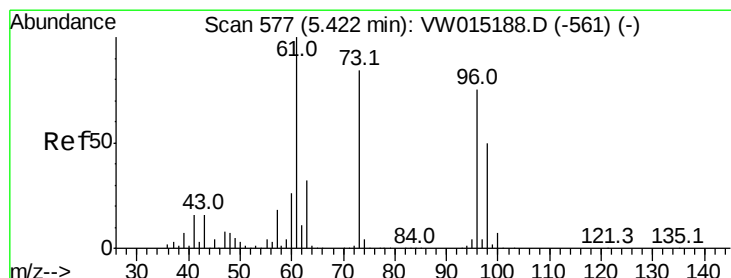
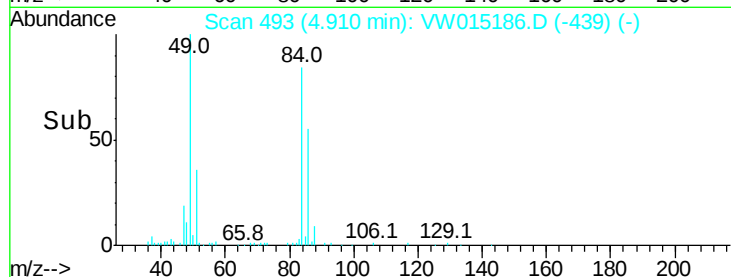
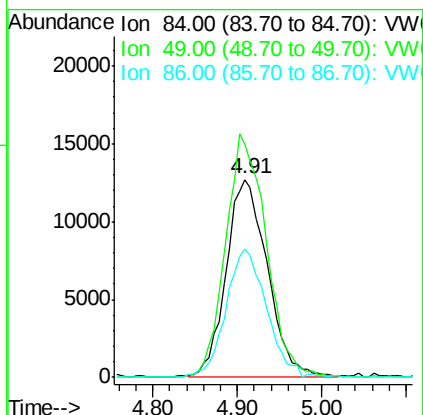
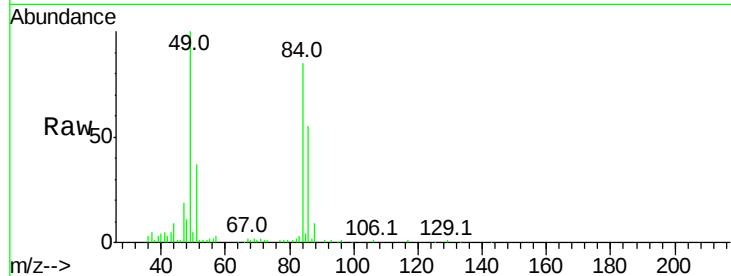




#16
Methylene chloride
Concen: 2.840 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

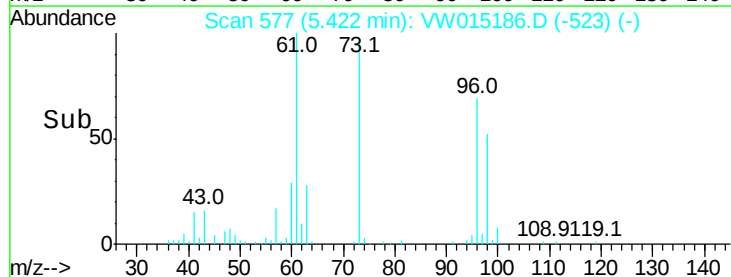
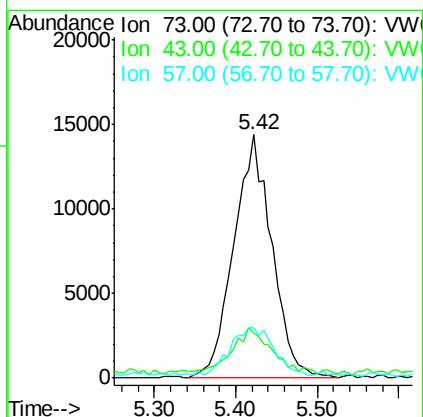
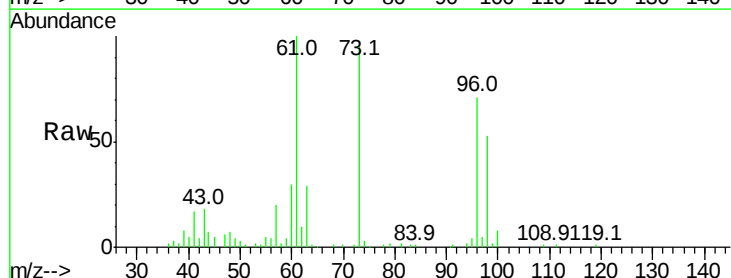
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

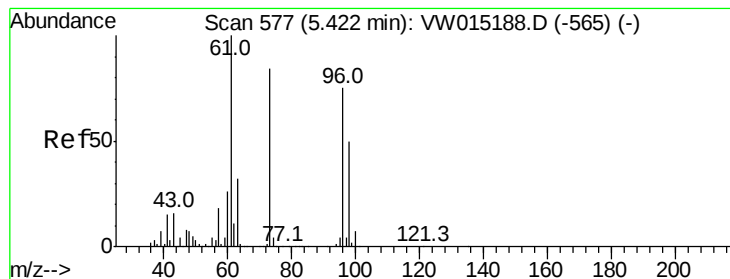
Tgt Ion: 84 Resp: 41826
Ion Ratio Lower Upper
84 100
49 118.0 82.3 152.9
86 64.7 44.1 81.9



#17
Methyl tert-butyl Ether
Concen: 2.463 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

Tgt Ion: 73 Resp: 46656
Ion Ratio Lower Upper
73 100
43 18.4 15.7 23.5
57 22.8 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 2.419 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

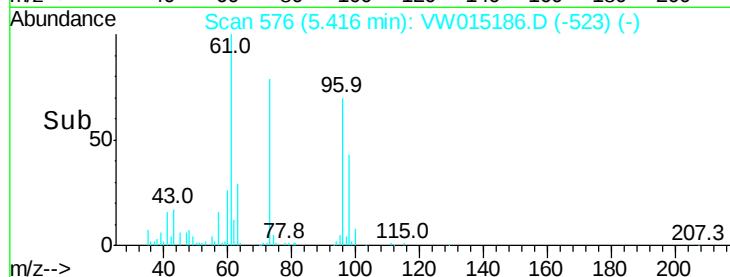
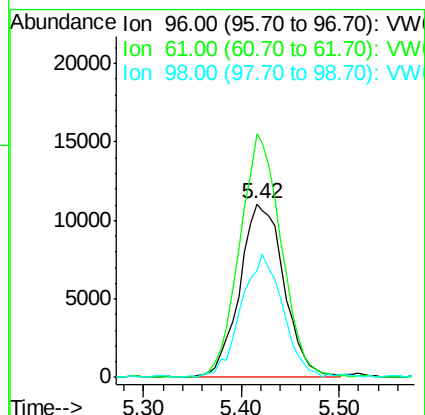
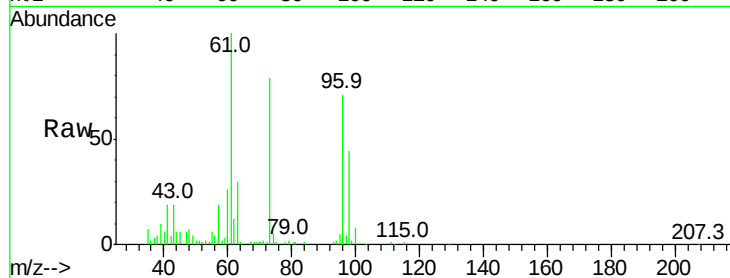
Tgt Ion: 96 Resp: 34638

Ion Ratio Lower Upper

96 100

61 140.4 93.6 173.8

98 61.3 46.8 87.0



#19

1,1-Dichloroethane

Concen: 2.317 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

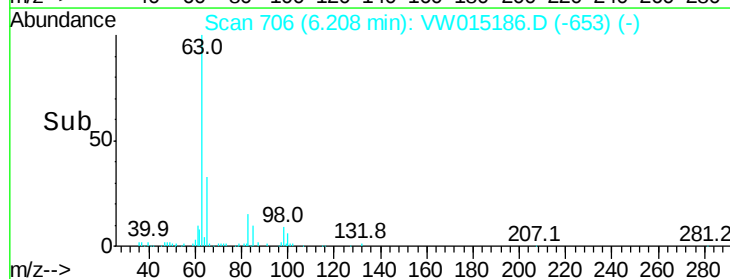
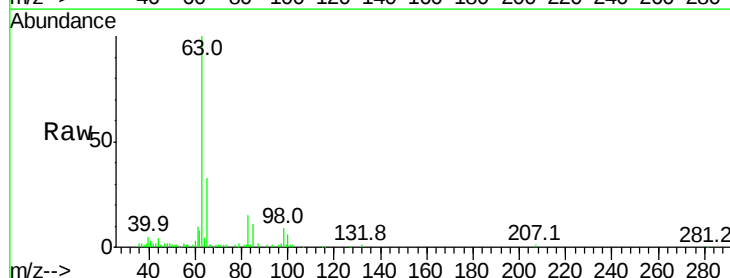
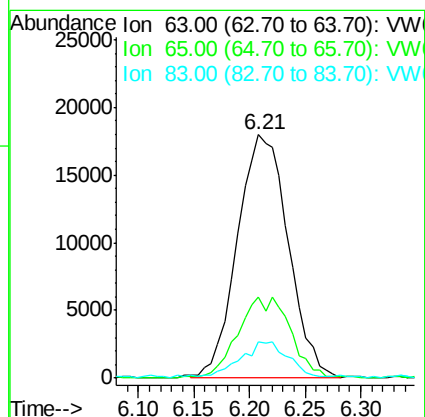
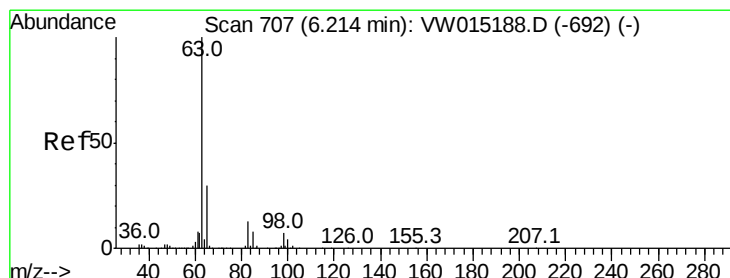
Tgt Ion: 63 Resp: 57145

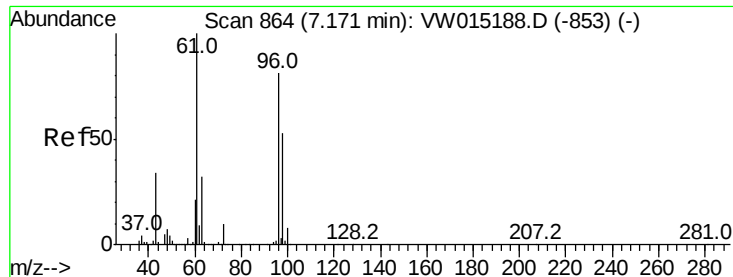
Ion Ratio Lower Upper

63 100

65 33.4 21.3 39.5

83 14.9 9.0 16.8





#21

2-Butanone

Concen: 5.864 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

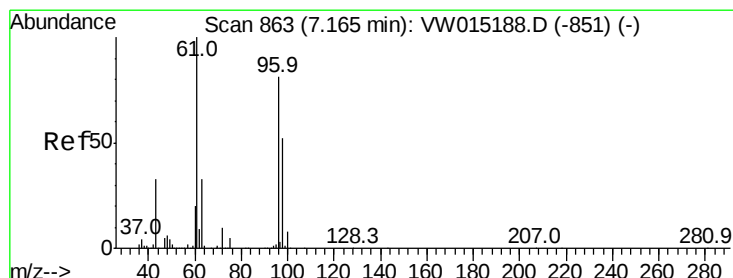
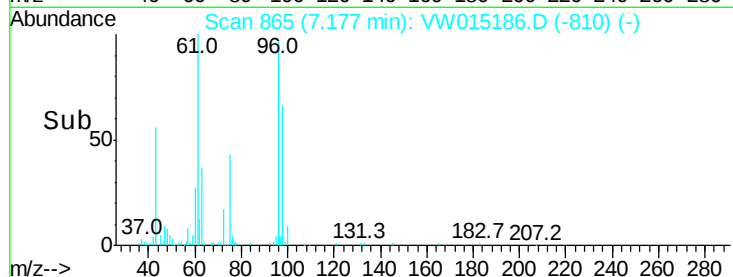
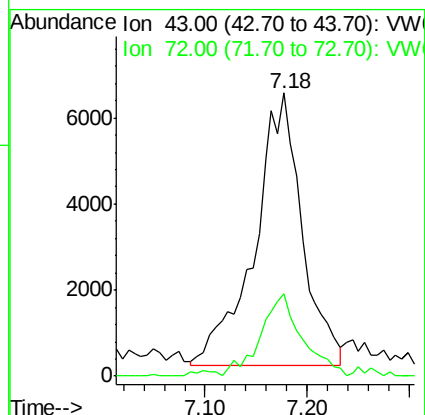
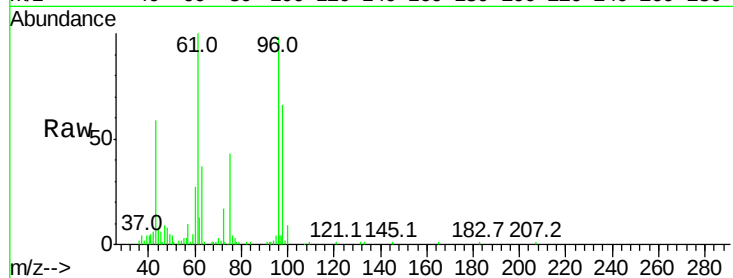
VSTD2.505

Tgt Ion: 43 Resp: 20361

Ion Ratio Lower Upper

43 100

72 25.2 14.9 44.7



#22

cis-1,2-Dichloroethene

Concen: 2.413 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

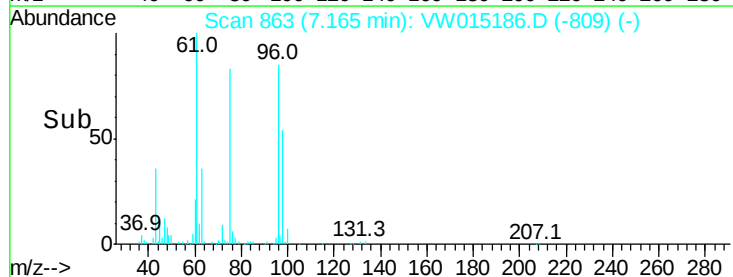
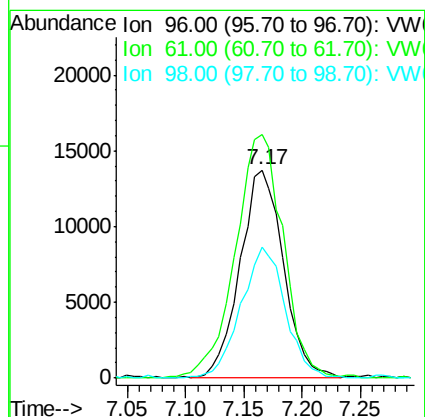
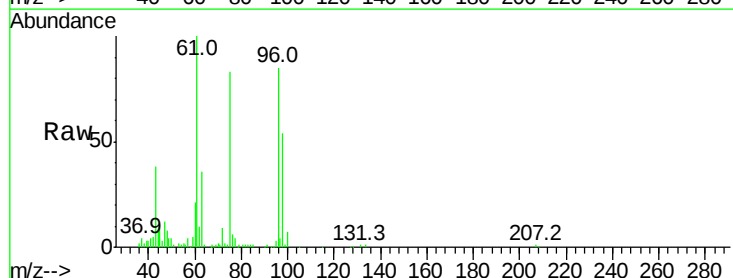
Tgt Ion: 96 Resp: 35882

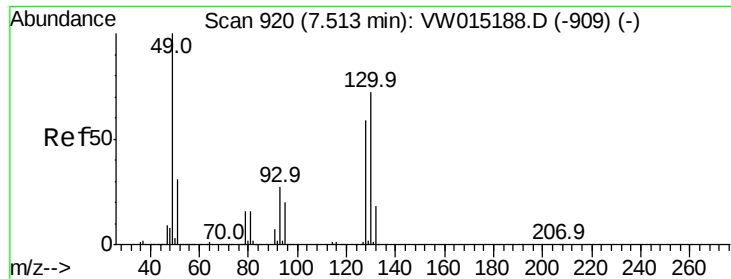
Ion Ratio Lower Upper

96 100

61 117.1 86.7 161.1

98 62.7 44.7 82.9

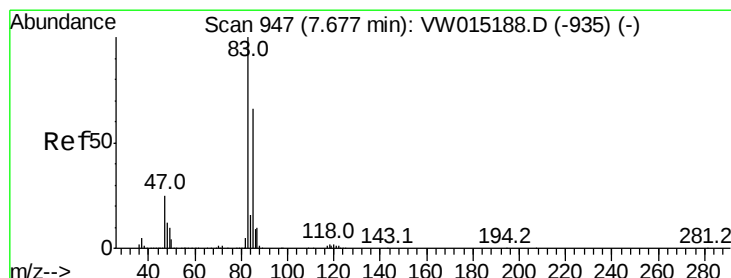
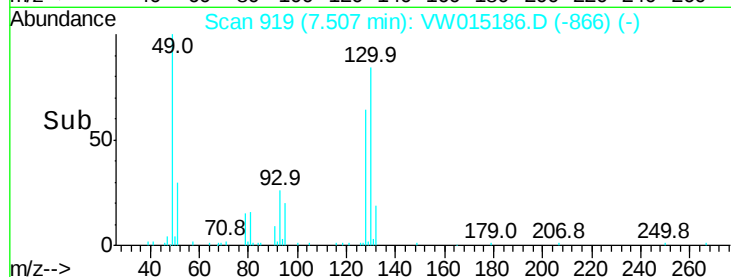
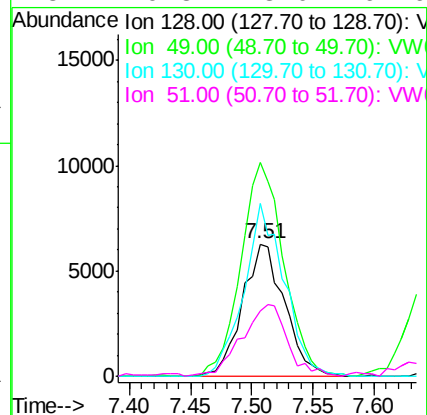
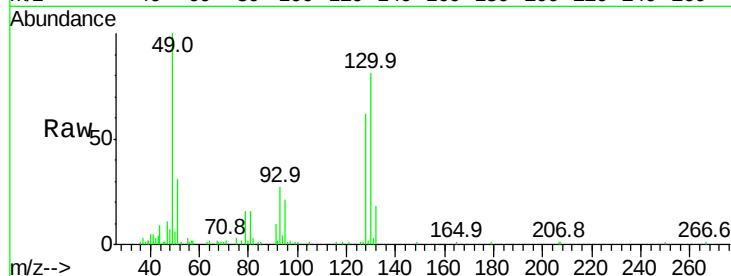




#23
Bromochloromethane
Concen: 2.464 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

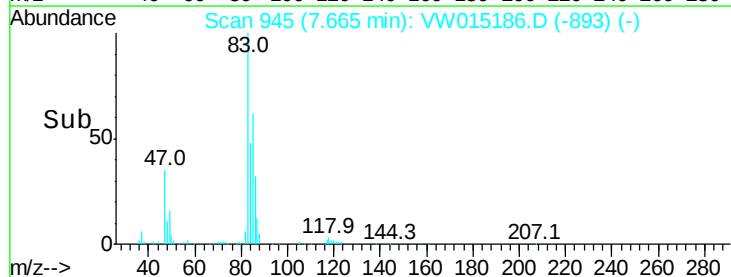
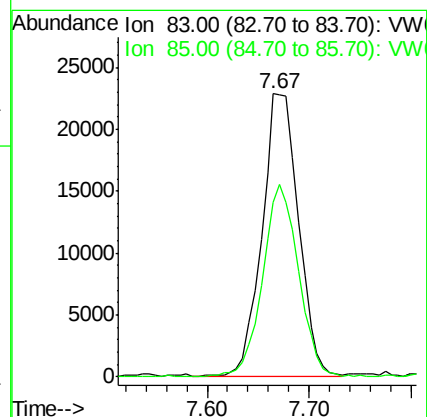
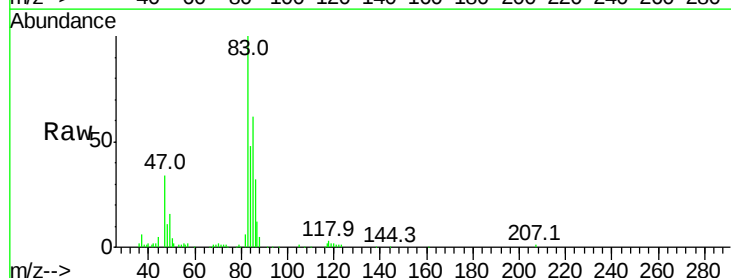
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

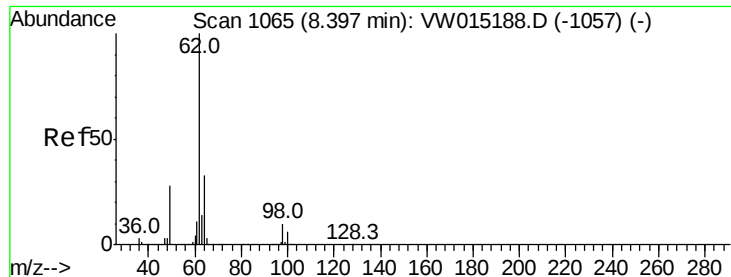
Tgt Ion:	128	Resp:	15051
Ion	Ratio	Lower	Upper
128	100		
49	162.0	119.1	221.3
130	130.6	86.3	160.3
51	49.8	43.0	64.6



#25
Chloroform
Concen: 2.353 ug/L
RT: 7.67 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

Tgt Ion:	83	Resp:	56424
Ion	Ratio	Lower	Upper
83	100		
85	67.5	46.5	86.3

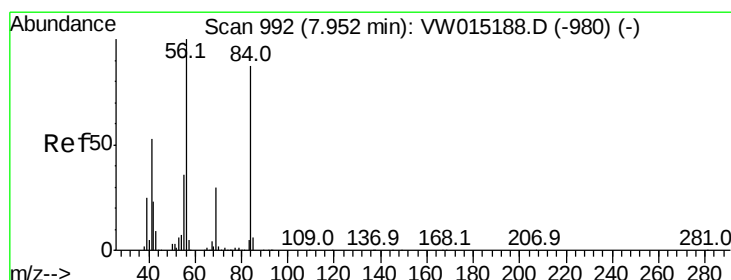
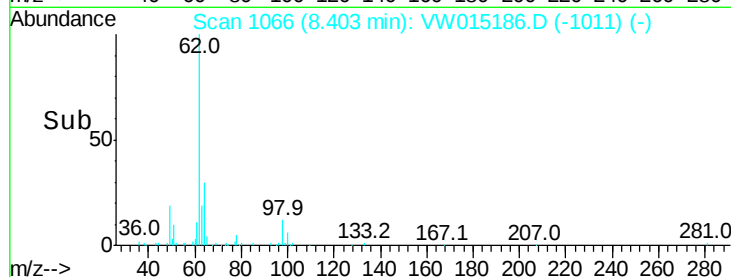
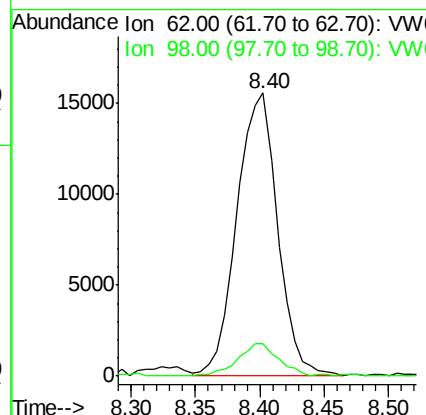
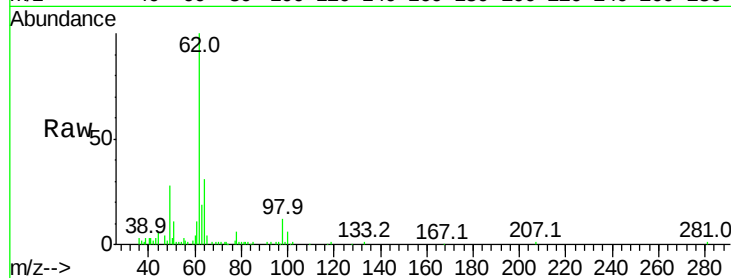




#27
 1,2-Dichloroethane
 Concen: 2.346 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

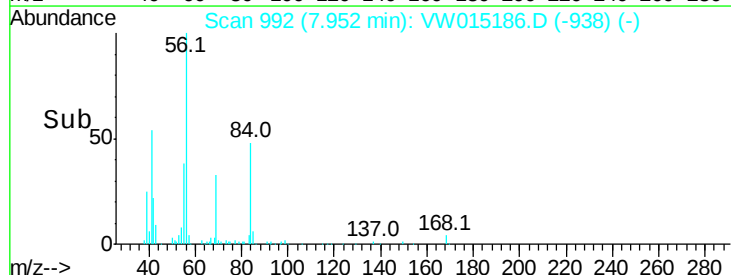
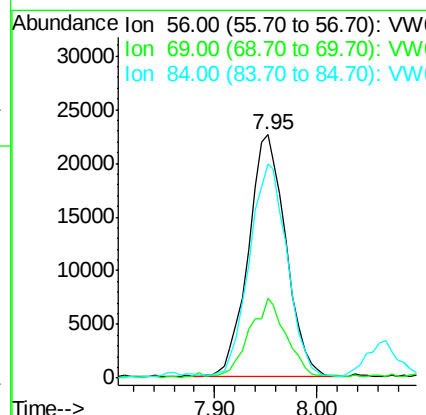
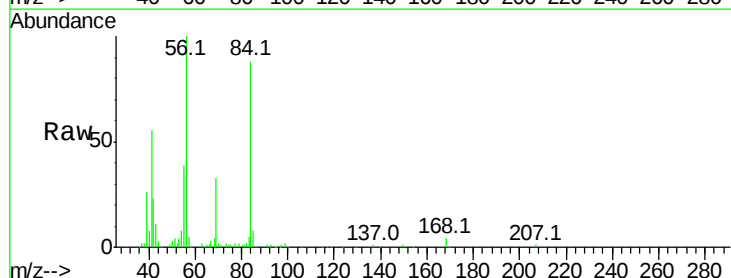
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

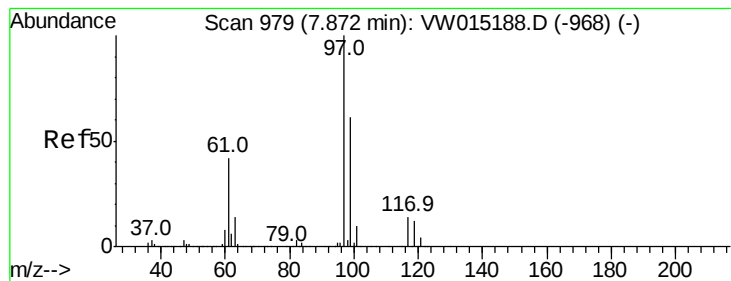
Tgt Ion: 62 Resp: 34220
 Ion Ratio Lower Upper
 62 100
 98 11.7 8.2 12.2



#30
 Cyclohexane
 Concen: 2.327 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

Tgt Ion: 56 Resp: 57926
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.8 37.2
 84 89.8 71.0 106.6





#31

1,1,1-Trichloroethane

Concen: 2.423 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

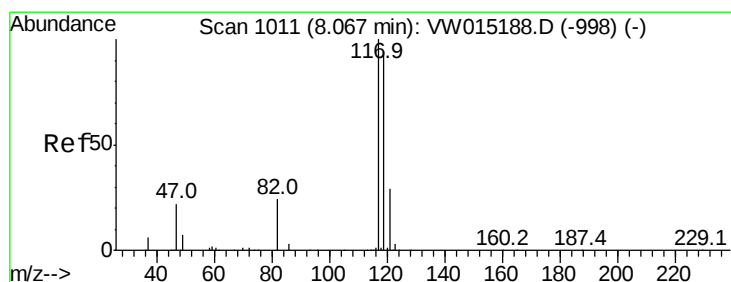
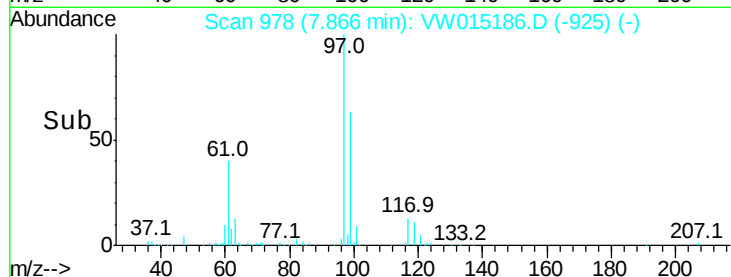
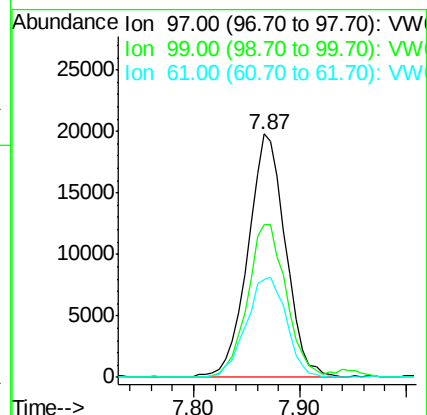
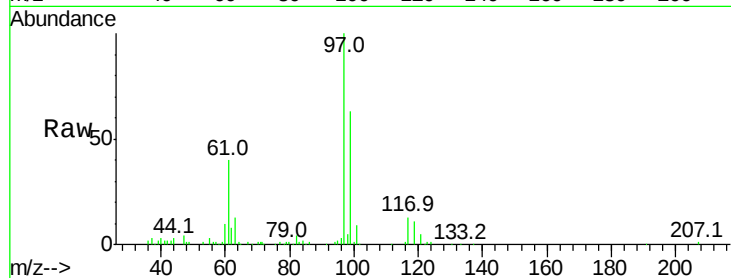
Tgt Ion: 97 Resp: 49114

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 43.7 34.1 51.1



#32

Carbon tetrachloride

Concen: 2.416 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015186.D

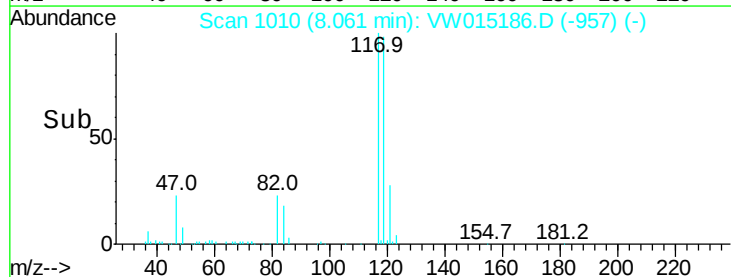
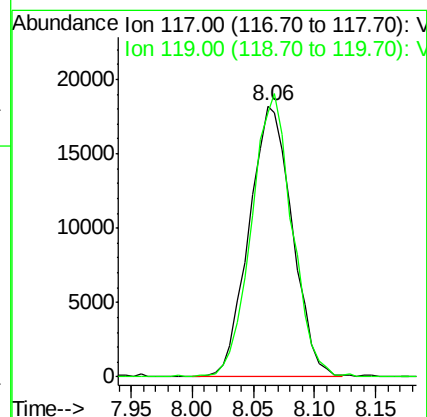
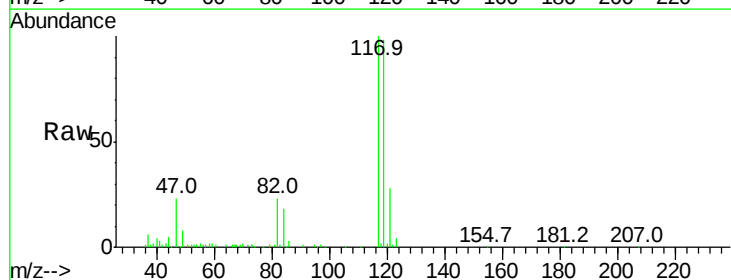
Acq: 14 Apr 2020 11:21

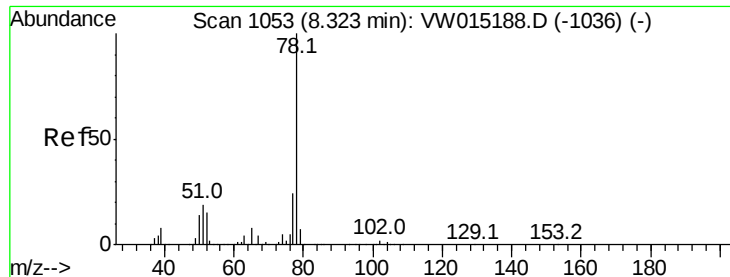
Tgt Ion: 117 Resp: 44793

Ion Ratio Lower Upper

117 100

119 98.3 76.0 114.0





#34

Benzene

Concen: 2.477 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

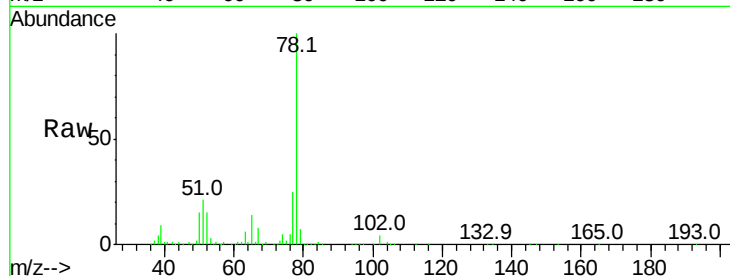
Instrument :

MSVOA_W

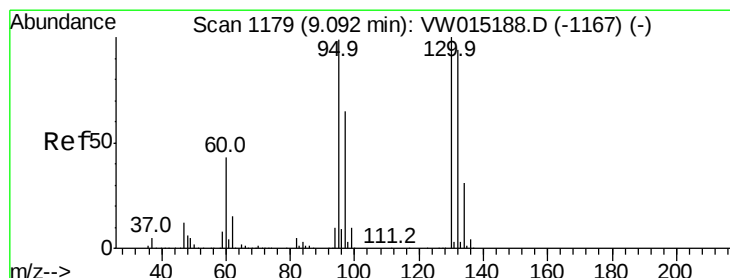
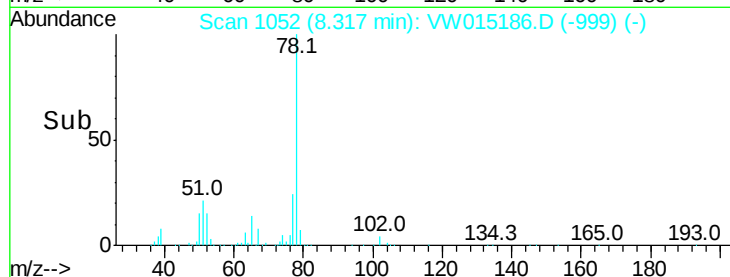
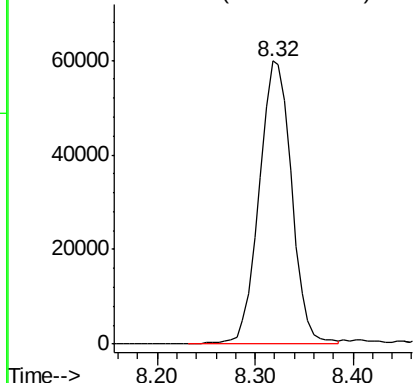
ClientSampleId :

VSTD2.505

Tgt Ion: 78 Resp: 137846



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.407 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Tgt Ion: 95 Resp: 35388

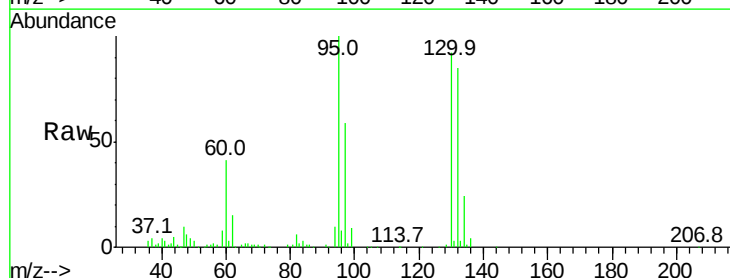
Ion	Ratio	Lower	Upper
95	100		
97	67.0	45.4	84.2
132	96.8	67.1	124.5
130	103.0	70.6	131.0

95 100

97 67.0 45.4 84.2

132 96.8 67.1 124.5

130 103.0 70.6 131.0

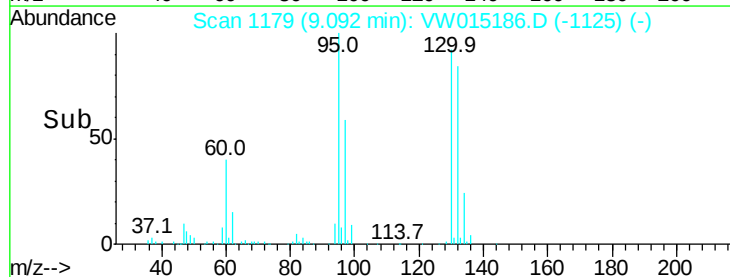
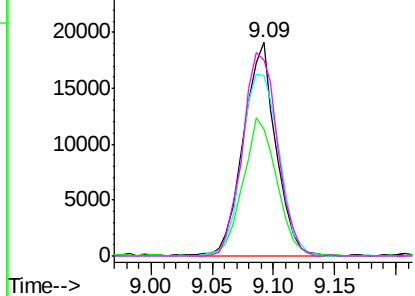


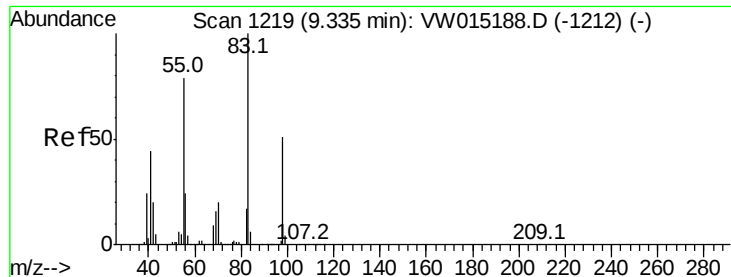
Abundance Ion 95.00 (94.70 to 95.70): VW

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

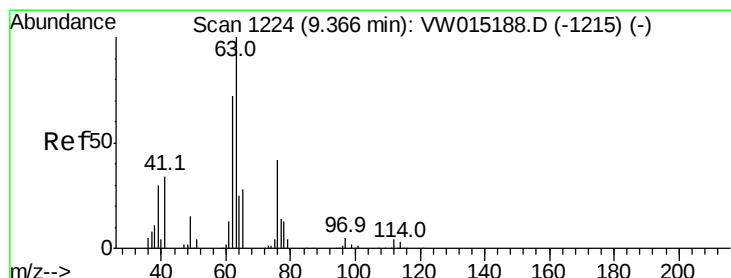
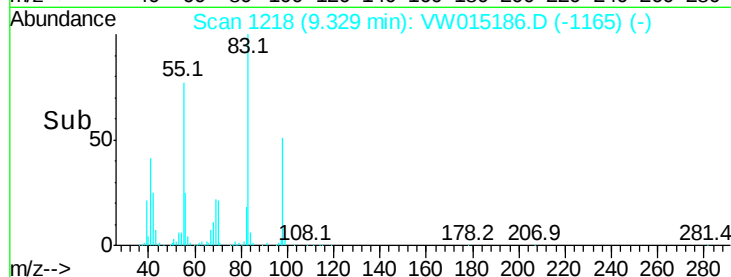
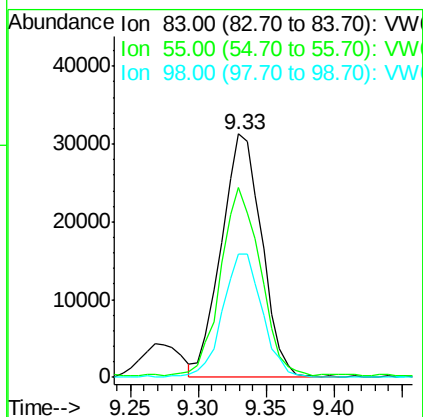
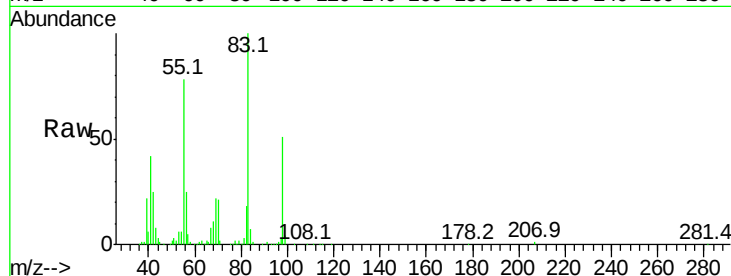




#36
Methylcyclohexane
Concen: 2.417 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

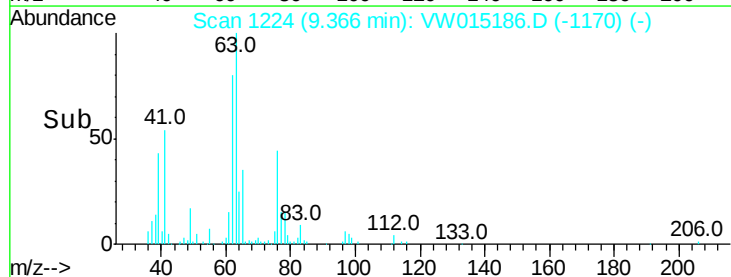
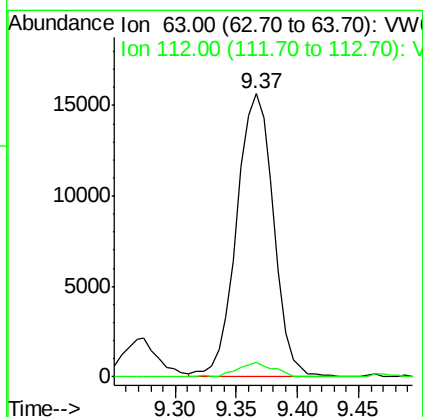
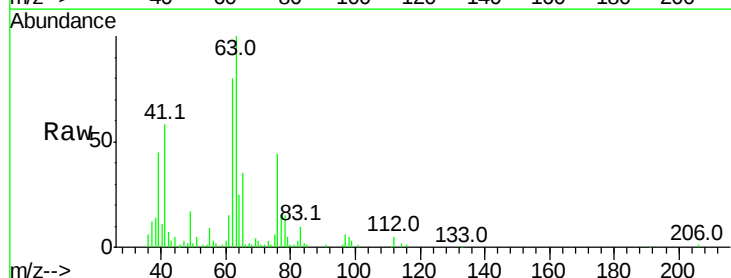
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

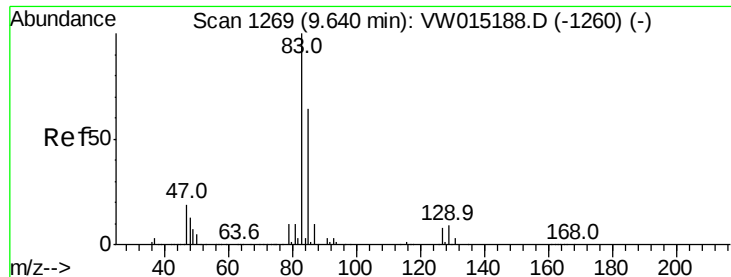
Tgt Ion: 83 Resp: 64533
Ion Ratio Lower Upper
83 100
55 76.0 60.1 90.1
98 49.5 39.4 59.0



#40
1,2-Dichloropropane
Concen: 2.416 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

Tgt Ion: 63 Resp: 32808
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3





#41

Bromodichloromethane

Concen: 2.274 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

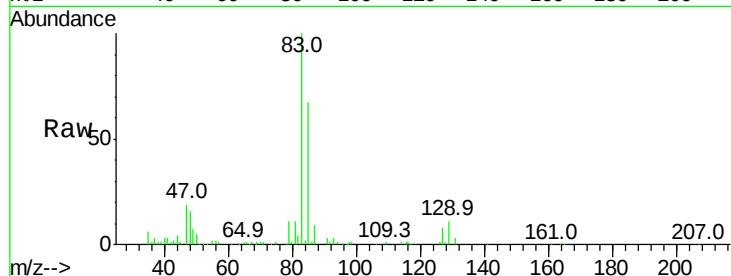
Tgt Ion: 83 Resp: 39691

Ion Ratio Lower Upper

83 100

85 67.0 44.4 82.5

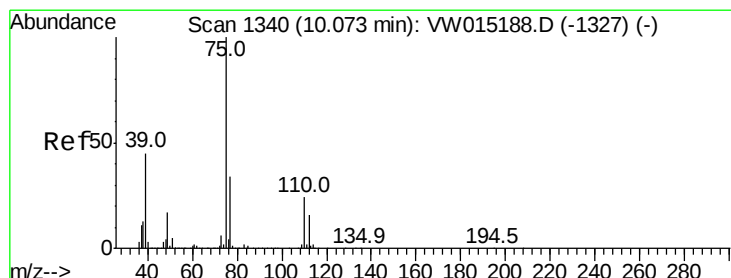
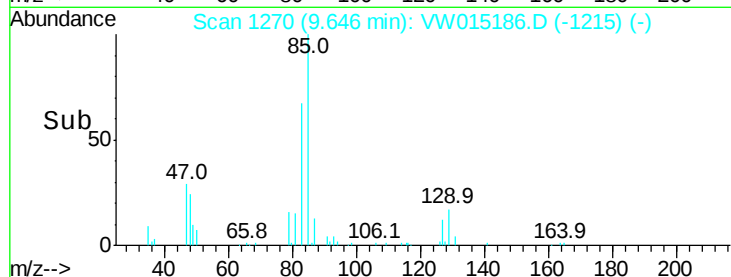
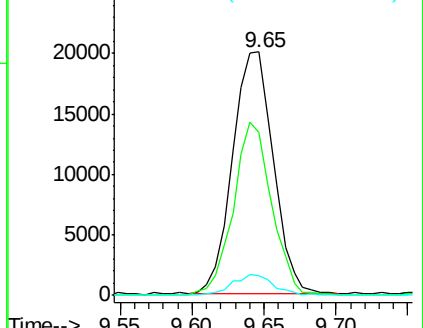
127 8.1 6.6 10.0



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): VW



#42

cis-1,3-Dichloropropene

Concen: 2.264 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015186.D

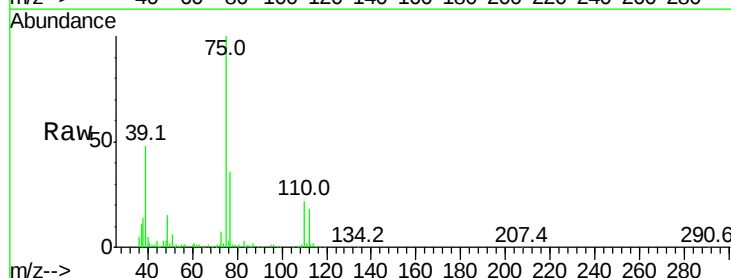
Acq: 14 Apr 2020 11:21

Tgt Ion: 75 Resp: 49589

Ion Ratio Lower Upper

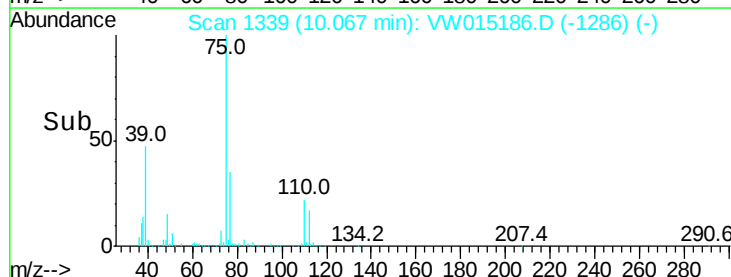
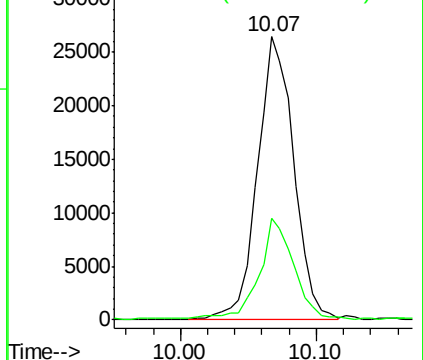
75 100

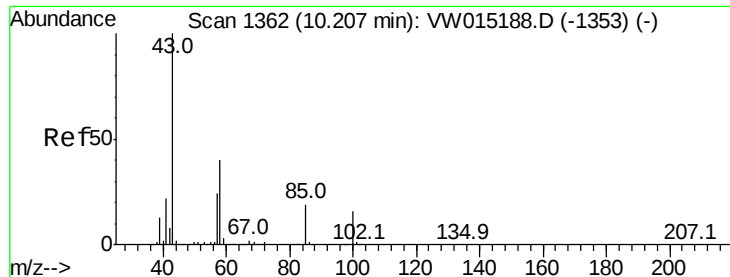
77 36.0 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

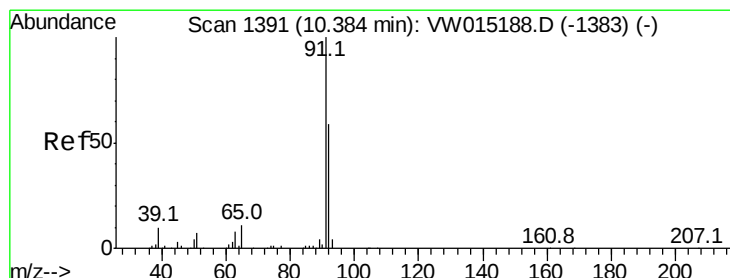
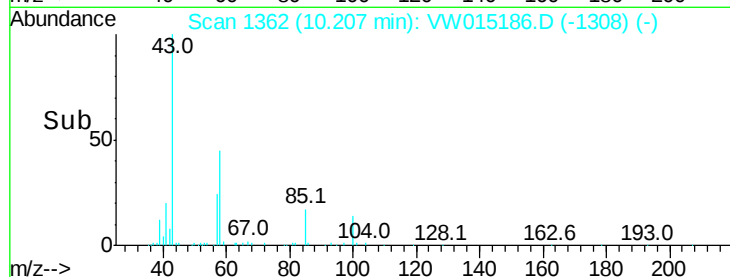
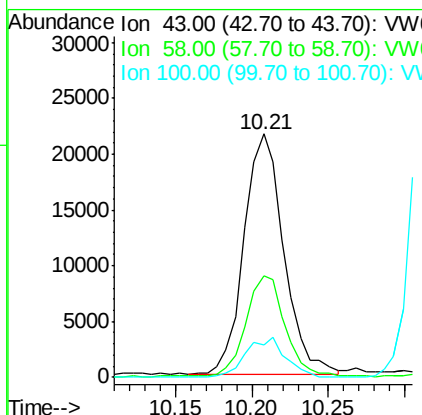
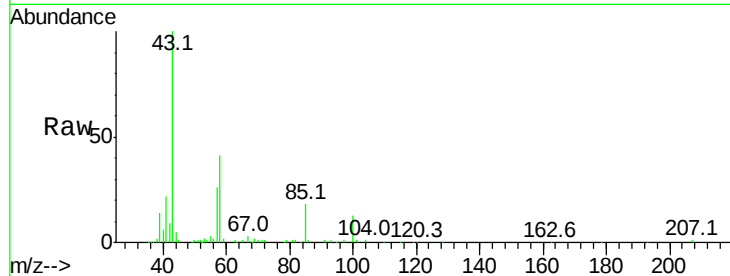




#43
 4-Methyl-2-pentanone
 Concen: 4.802 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

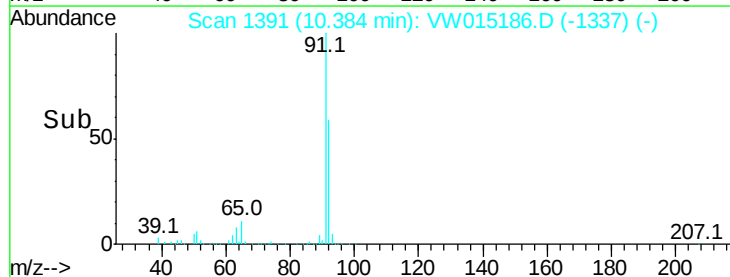
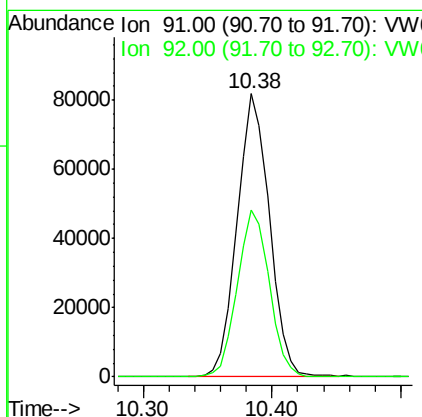
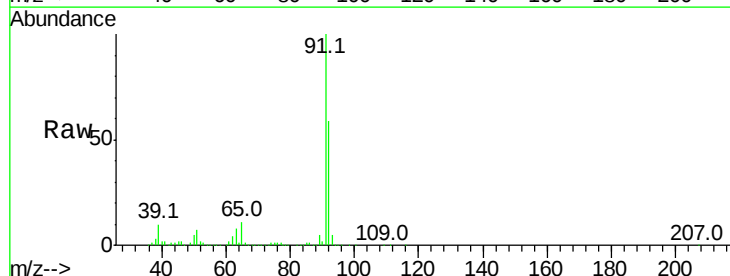
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

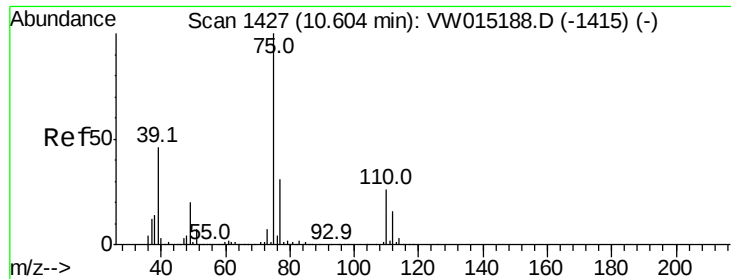
Tgt Ion: 43 Resp: 38842
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.5 48.7
 100 16.3 13.0 19.6



#44
 Toluene
 Concen: 2.425 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

Tgt Ion: 91 Resp: 142209
 Ion Ratio Lower Upper
 91 100
 92 59.2 41.3 76.7





#45

trans-1,3-Dichloropropene

Concen: 2.227 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

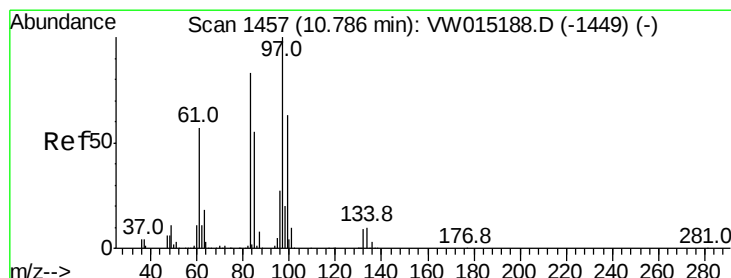
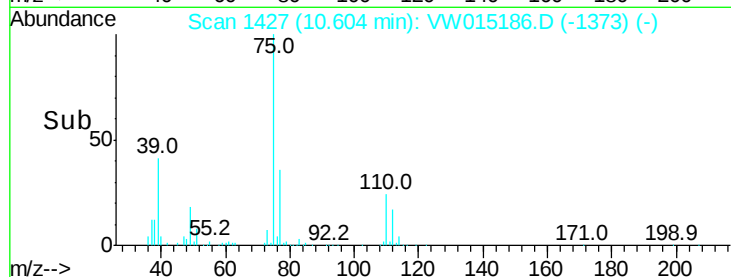
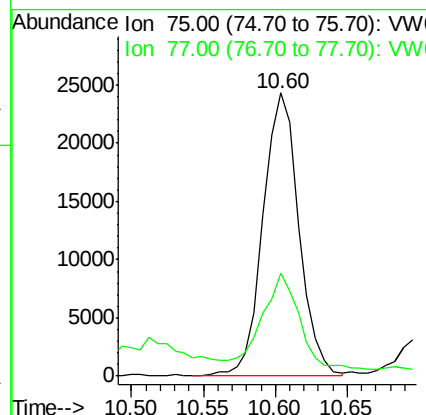
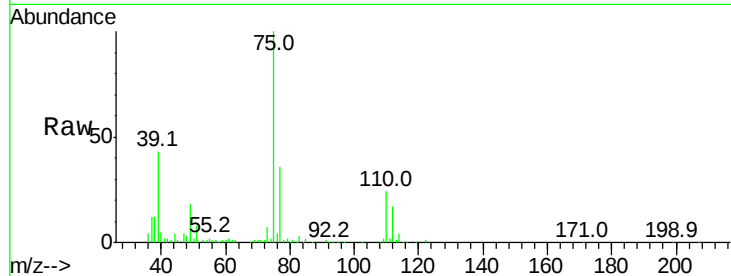
VSTD2.505

Tgt Ion: 75 Resp: 41986

Ion Ratio Lower Upper

75 100

77 36.2 22.3 41.5



#46

1,1,2-Trichloroethane

Concen: 2.451 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Tgt Ion: 97 Resp: 23713

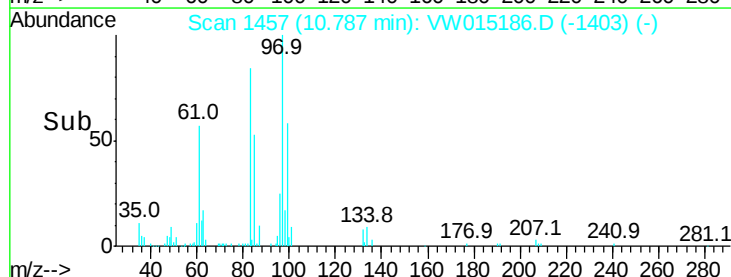
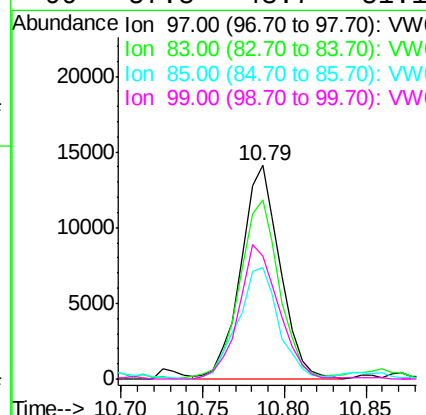
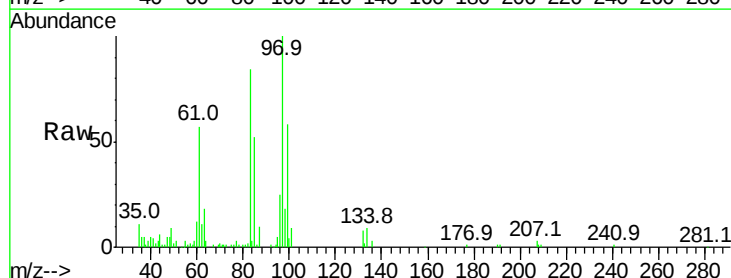
Ion Ratio Lower Upper

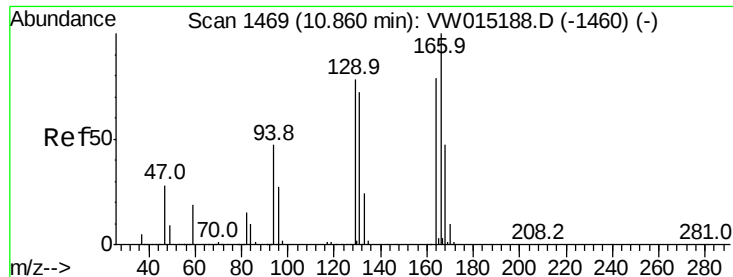
97 100

83 83.9 57.9 107.5

85 52.2 38.5 71.5

99 57.8 43.7 81.1





#47

Tetrachloroethene

Concen: 2.594 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

Tgt Ion:164 Resp: 27312

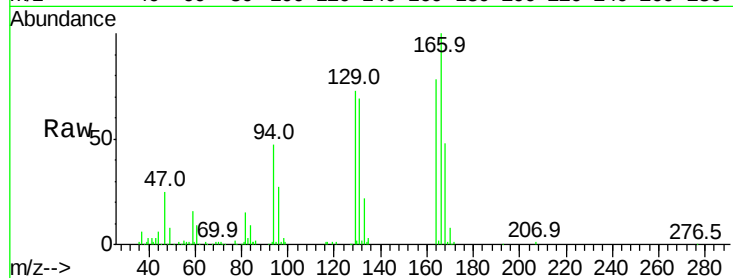
Ion Ratio Lower Upper

164 100

129 93.2 69.4 128.8

131 88.2 63.7 118.3

166 127.8 88.4 164.2

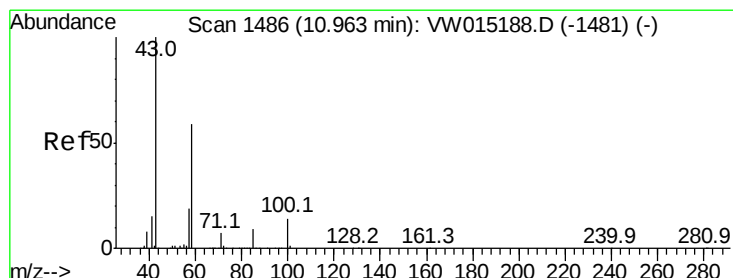
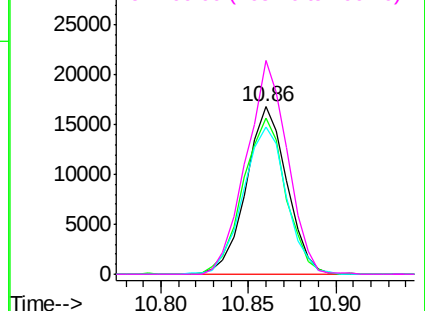
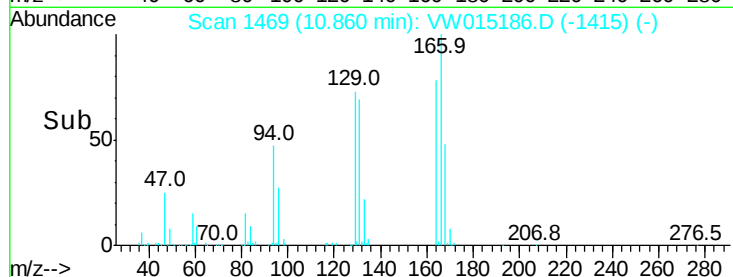


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.430 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Tgt Ion: 43 Resp: 23611

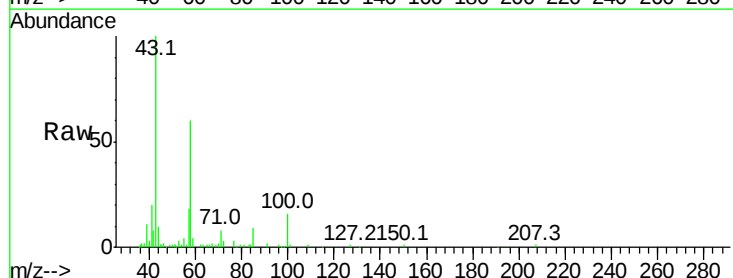
Ion Ratio Lower Upper

43 100

58 58.9 45.8 68.6

57 20.5 15.1 22.7

100 14.7 10.5 15.7

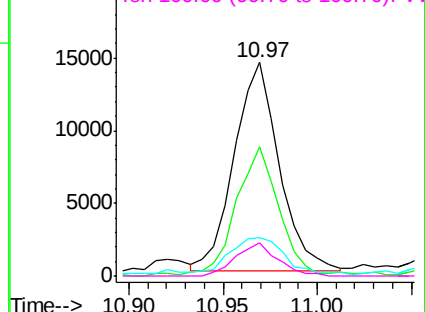
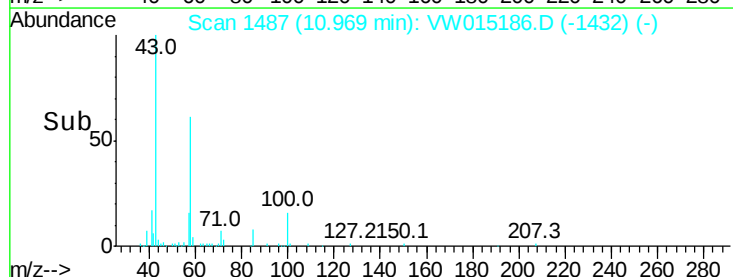


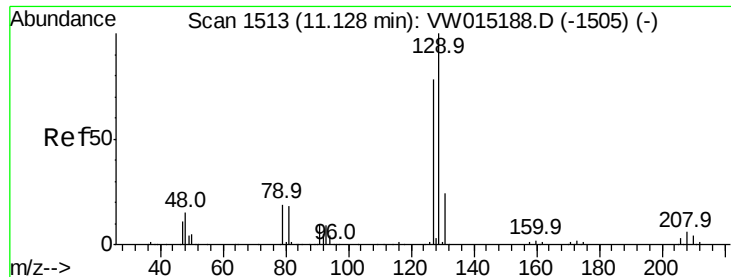
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.408 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

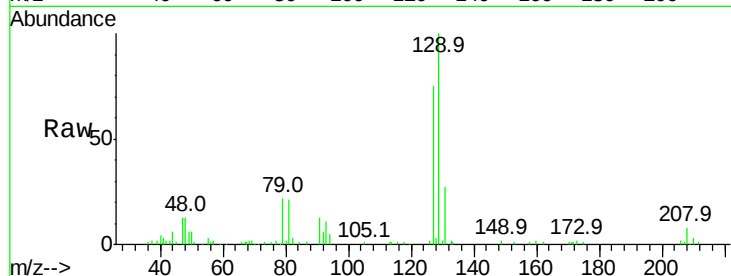
VSTD2.505

Tgt Ion:129 Resp: 27258

Ion Ratio Lower Upper

129 100

127 74.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

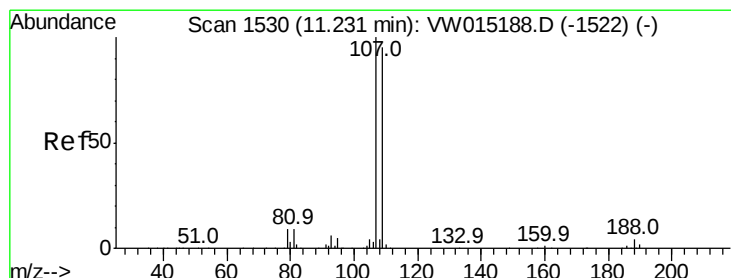
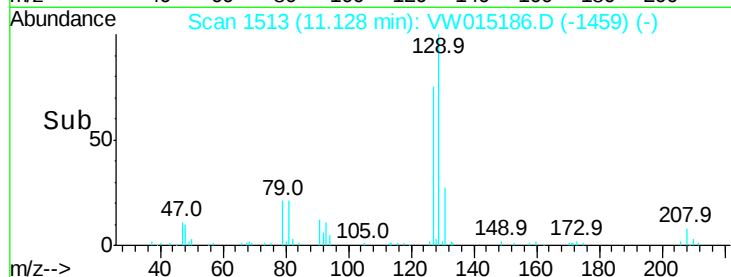
15000

10000

5000

0

Time--> 11.05 11.10 11.15



#51

1,2-Dibromoethane

Concen: 2.411 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

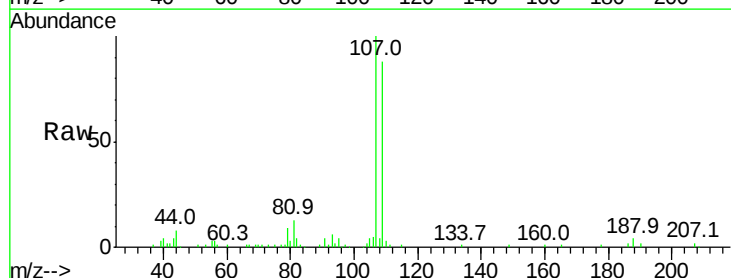
Tgt Ion:107 Resp: 21986

Ion Ratio Lower Upper

107 100

109 87.8 66.8 124.2

188 3.7 3.0 4.6



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

11.23

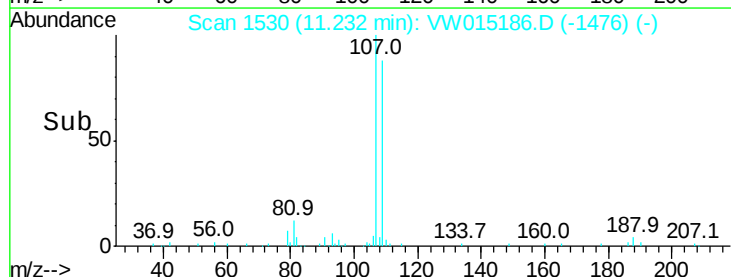
15000

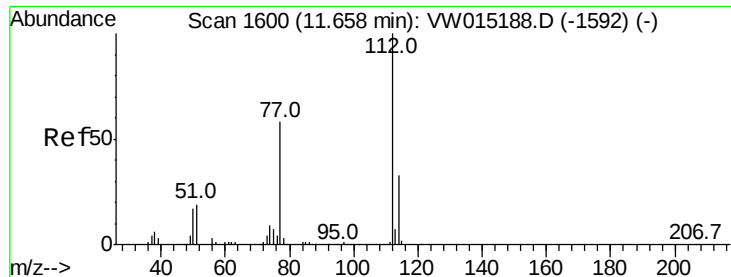
10000

5000

0

Time--> 11.15 11.20 11.25 11.30

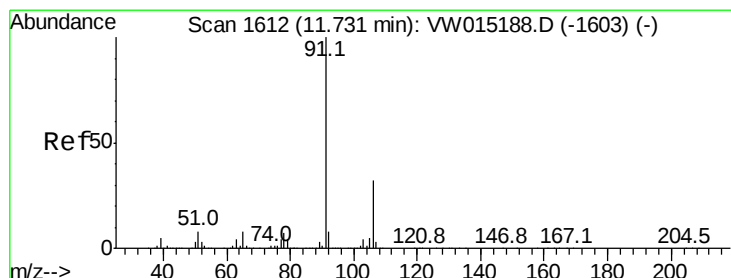
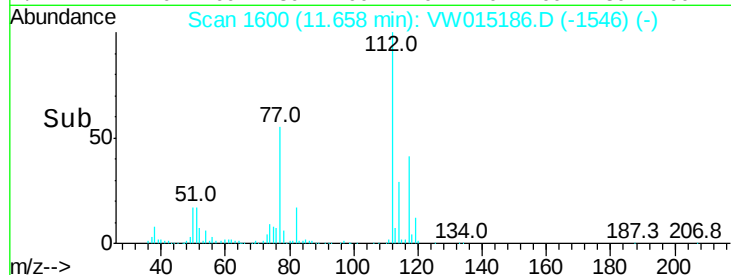
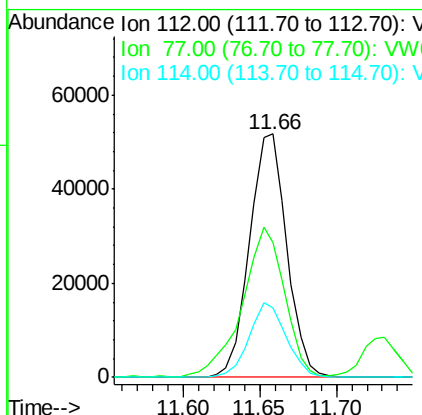
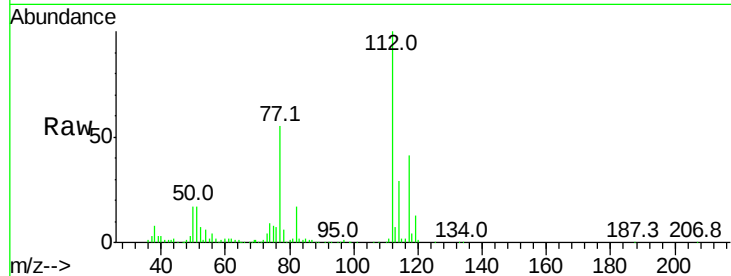




#52
Chlorobenzene
Concen: 2.443 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

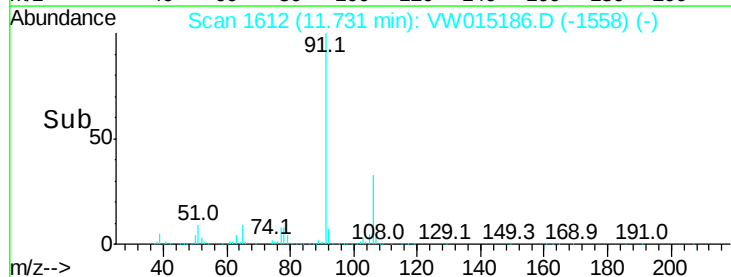
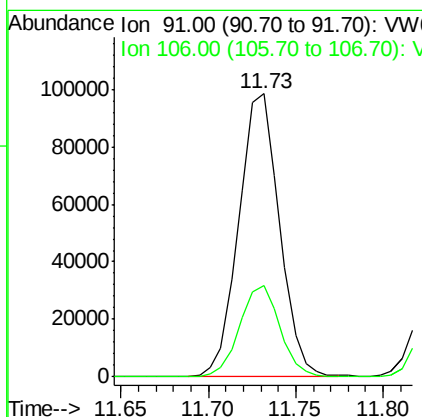
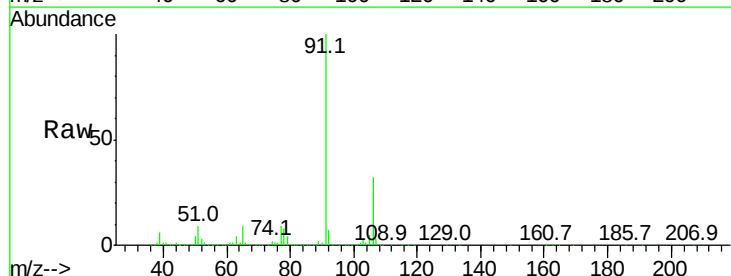
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

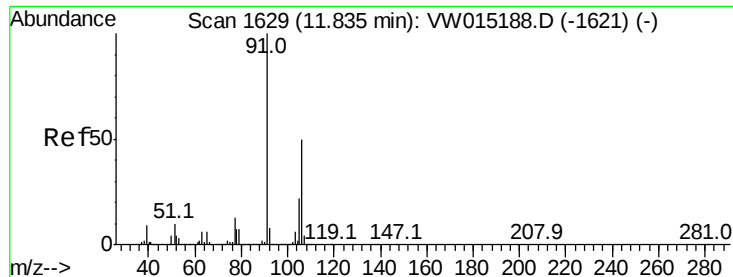
Tgt Ion: 112 Resp: 88022
Ion Ratio Lower Upper
112 100
77 55.4 46.2 69.4
114 28.7 22.7 42.3



#53
Ethylbenzene
Concen: 2.409 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

Tgt Ion: 91 Resp: 158900
Ion Ratio Lower Upper
91 100
106 32.4 22.4 41.6





#54

m,p-Xylene

Concen: 2.454 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

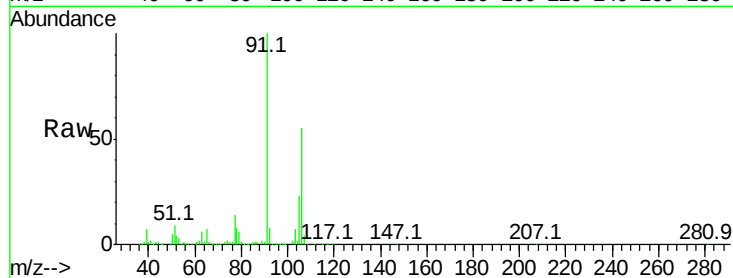
VSTD2.505

Tgt Ion:106 Resp: 62073

Ion Ratio Lower Upper

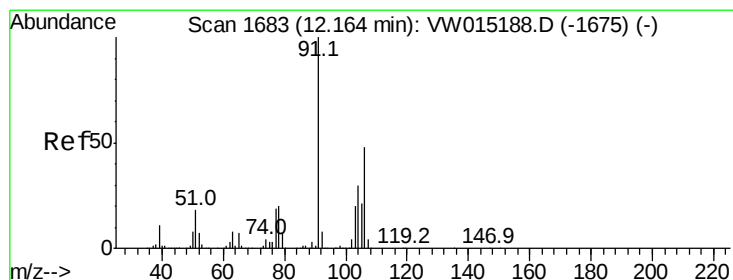
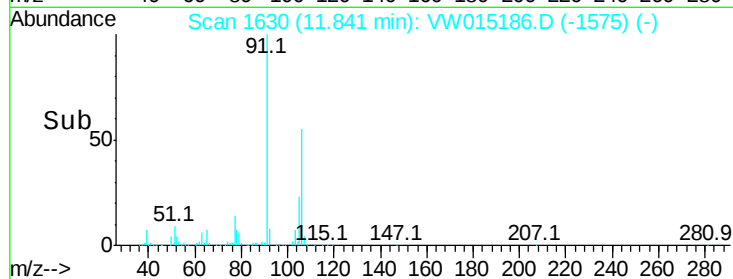
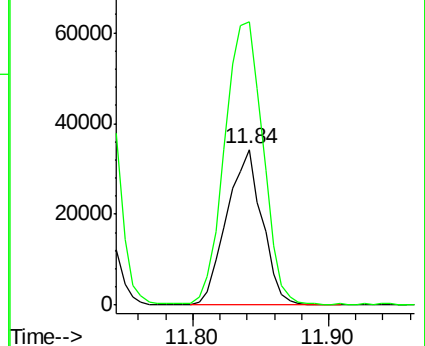
106 100

91 181.5 141.0 261.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.402 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015186.D

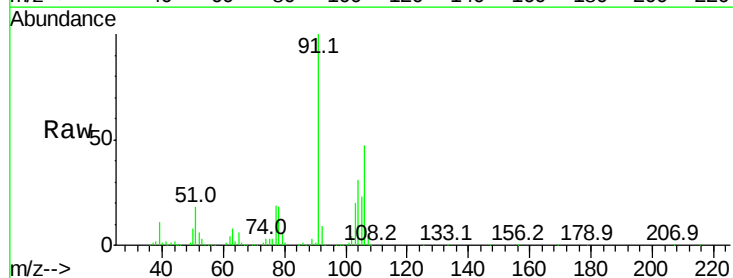
Acq: 14 Apr 2020 11:21

Tgt Ion:106 Resp: 58082

Ion Ratio Lower Upper

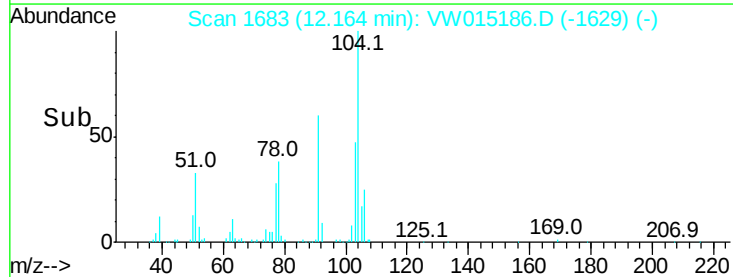
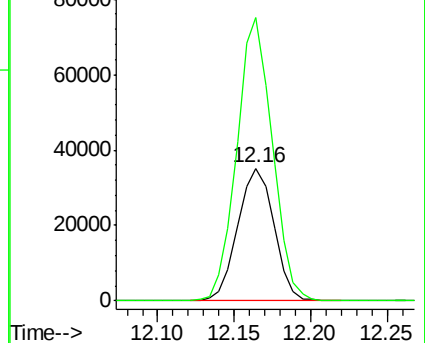
106 100

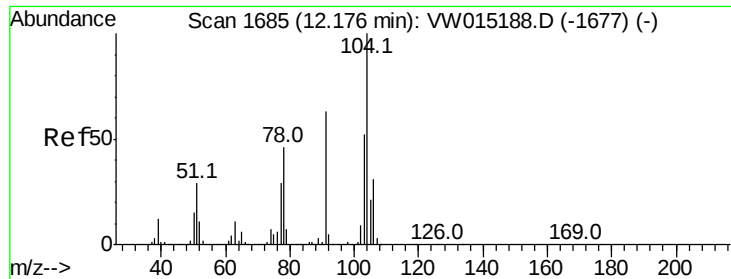
91 213.7 145.7 270.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.364 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

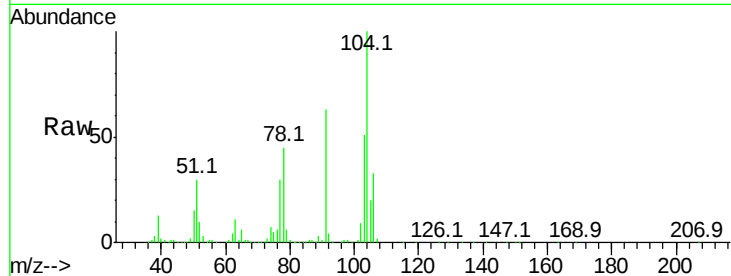
VSTD2.505

Tgt Ion:104 Resp: 96106

Ion Ratio Lower Upper

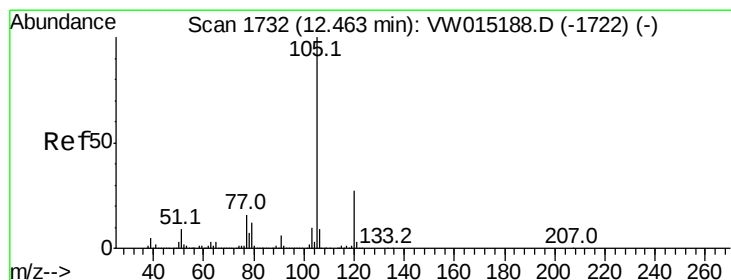
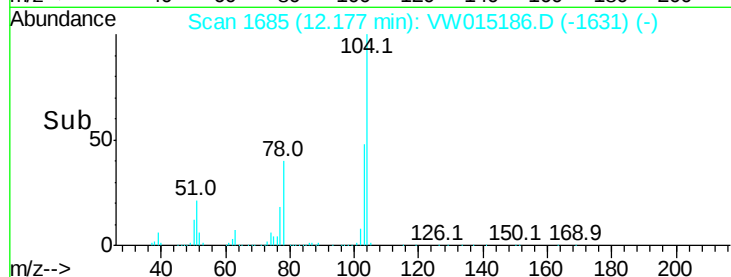
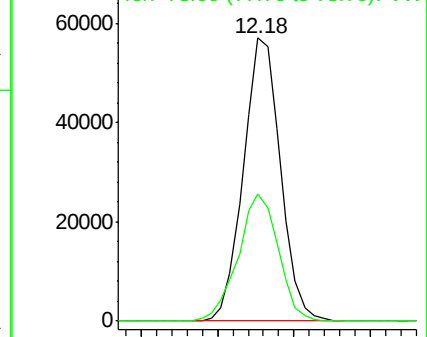
104 100

78 45.0 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.419 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

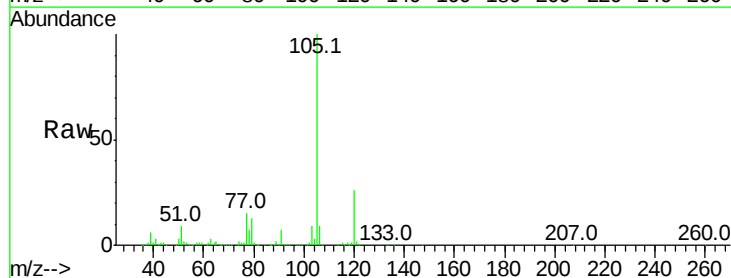
Tgt Ion:105 Resp: 157874

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

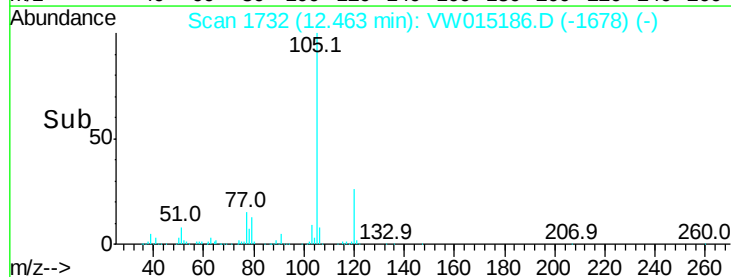
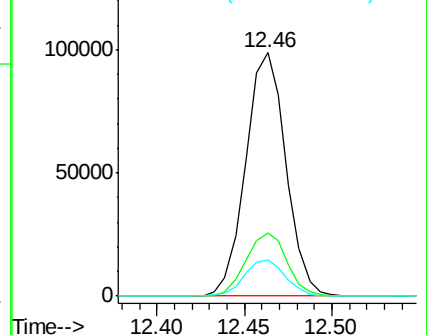
77 15.4 12.4 18.6

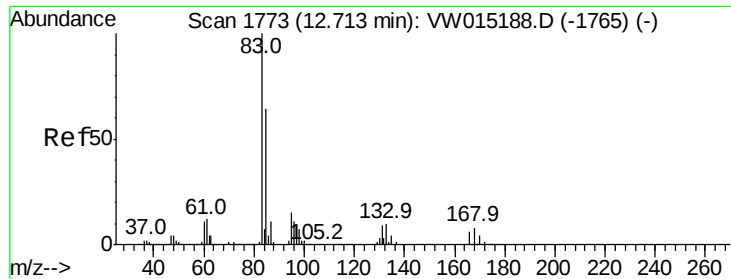


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.312 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

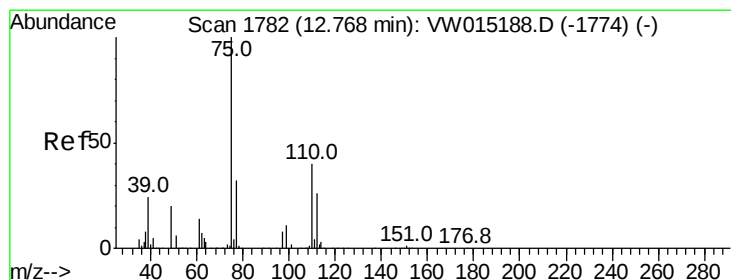
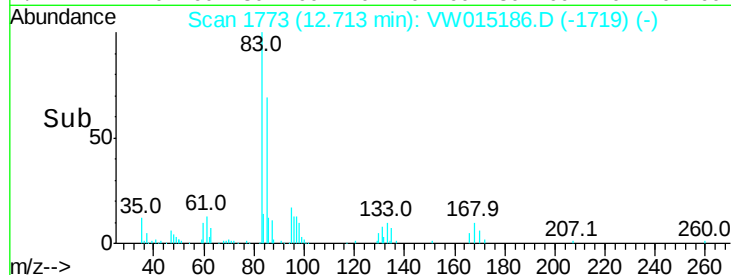
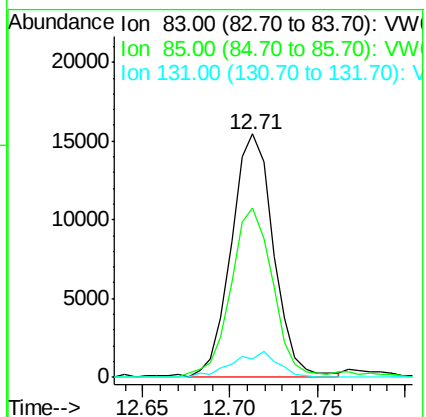
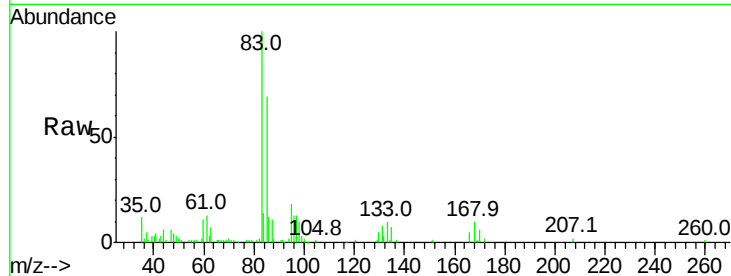
Tgt Ion: 83 Resp: 26060

Ion Ratio Lower Upper

83 100

85 69.5 44.7 83.1

131 7.7 7.0 10.6



#59

1,2,3-Trichloropropane

Concen: 2.380 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015186.D

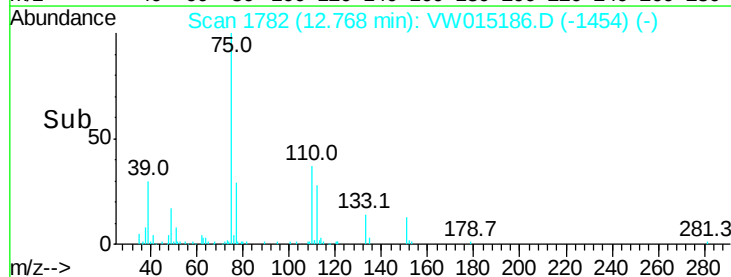
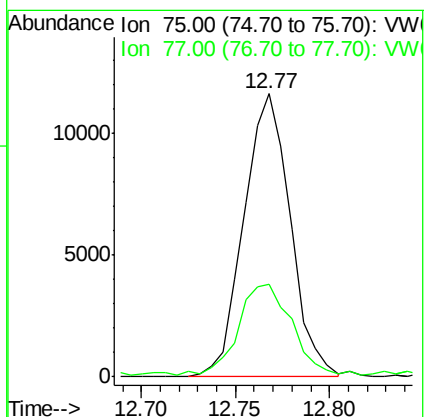
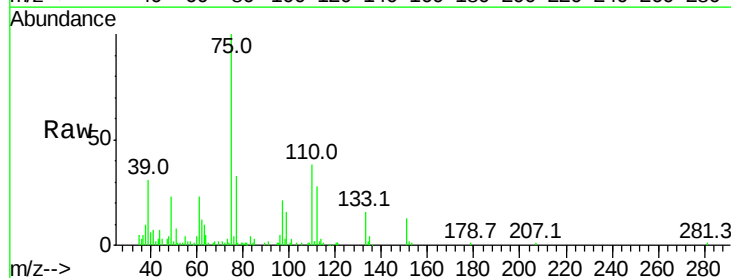
Acq: 14 Apr 2020 11:21

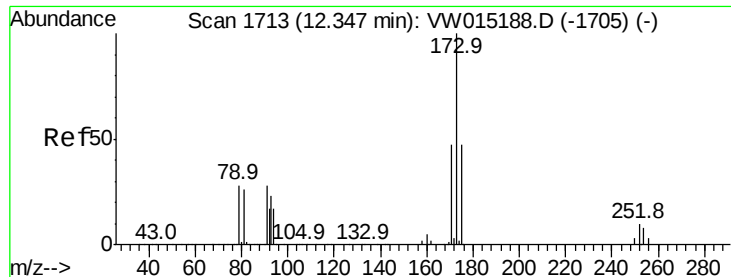
Tgt Ion: 75 Resp: 19818

Ion Ratio Lower Upper

75 100

77 36.7 26.3 39.5





#62

Bromoform

Concen: 2.489 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

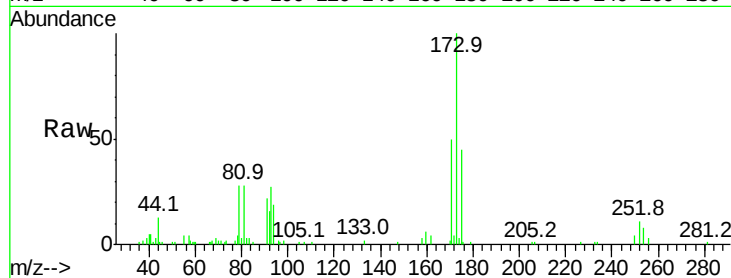
Tgt Ion:173 Resp: 15498

Ion Ratio Lower Upper

173 100

175 45.6 38.4 57.6

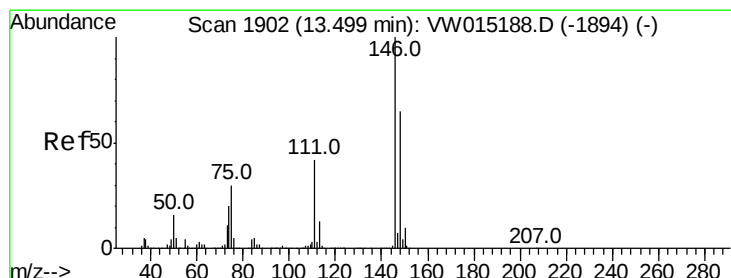
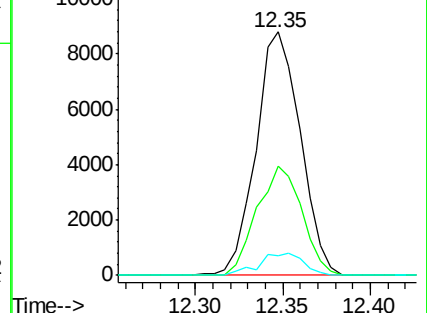
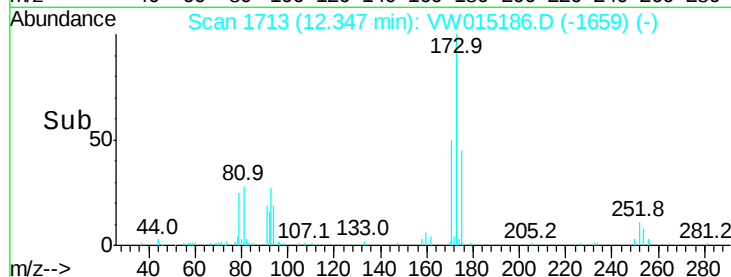
254 7.7 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.440 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

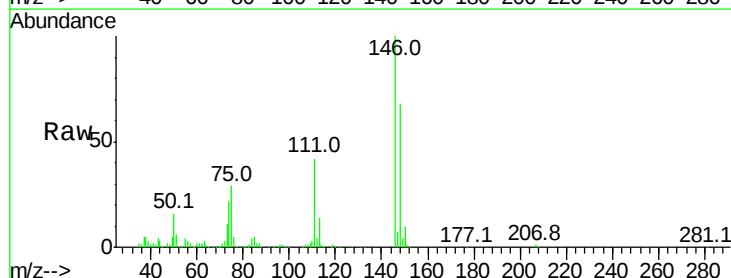
Tgt Ion:146 Resp: 62739

Ion Ratio Lower Upper

146 100

111 42.3 29.3 54.3

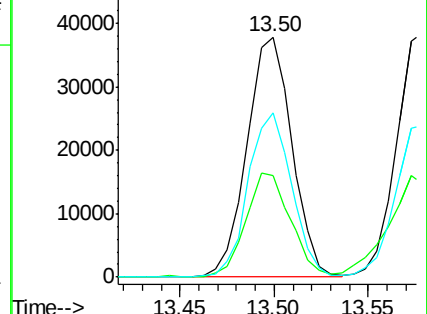
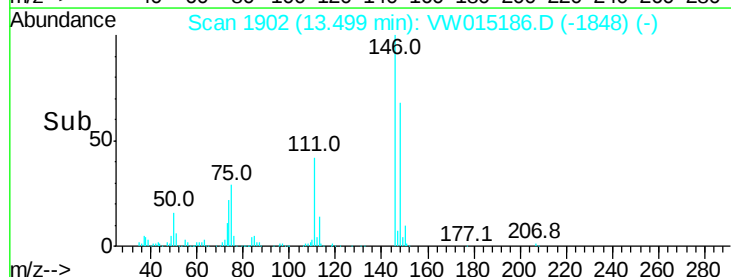
148 68.2 45.7 84.9

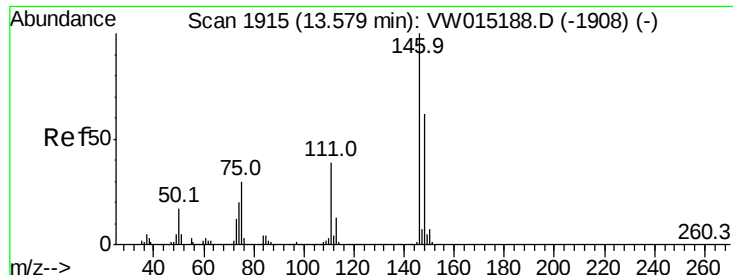


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

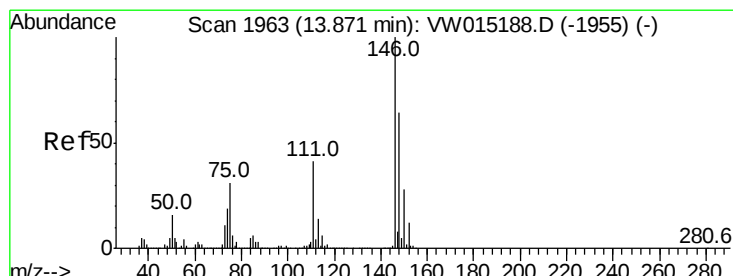
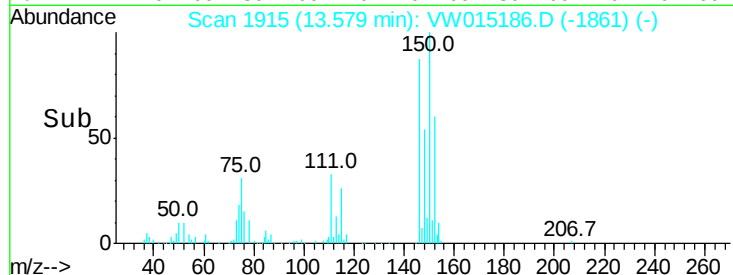
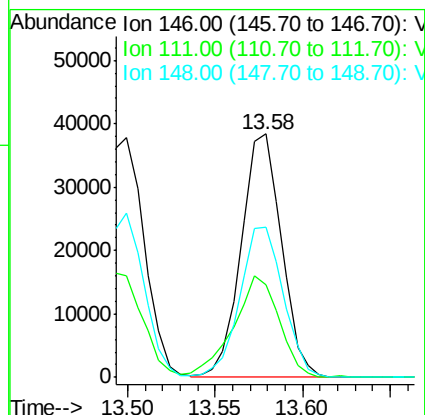
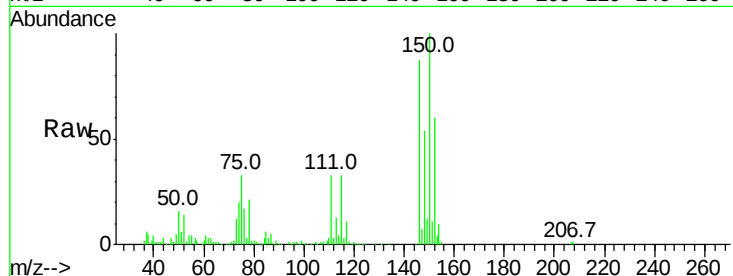




#64
1,4-Dichlorobenzene
Concen: 2.469 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

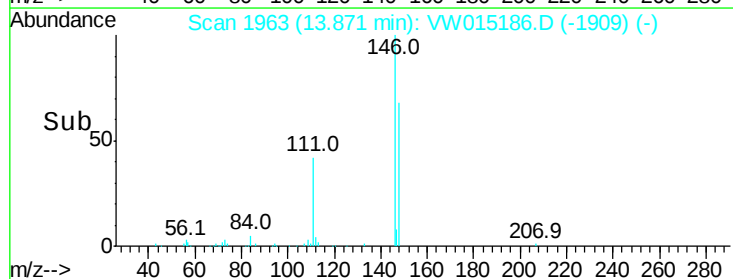
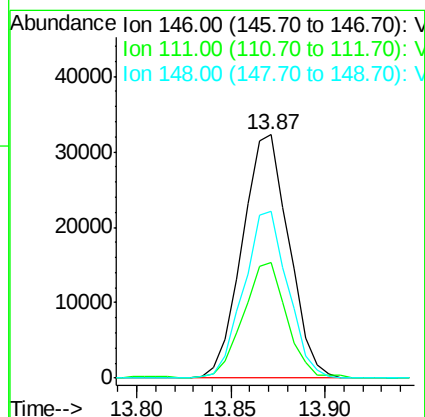
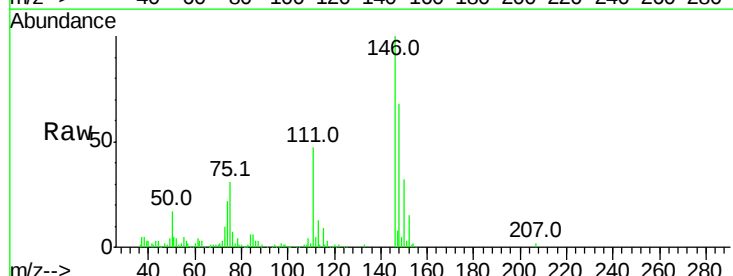
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

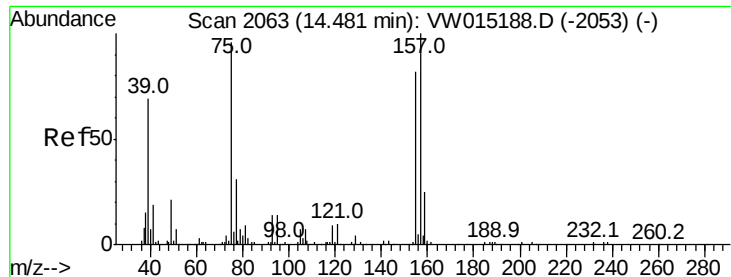
Tgt Ion:146 Resp: 61646
Ion Ratio Lower Upper
146 100
111 38.1 27.6 51.2
148 61.8 43.6 81.0



#65
1,2-Dichlorobenzene
Concen: 2.429 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW015186.D
Acq: 14 Apr 2020 11:21

Tgt Ion:146 Resp: 55450
Ion Ratio Lower Upper
146 100
111 47.3 33.0 49.4
148 68.3 51.5 77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 2.415 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.505

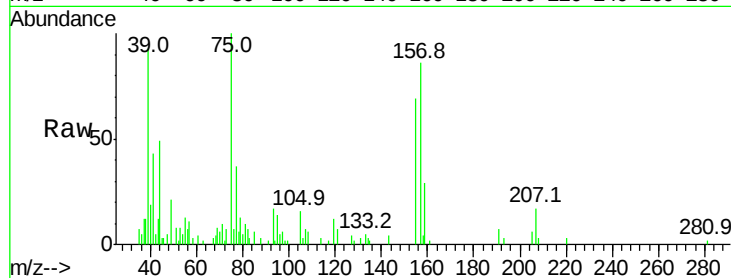
Tgt Ion: 75 Resp: 4567

Ion Ratio Lower Upper

75 100

157 85.8 83.4 125.2

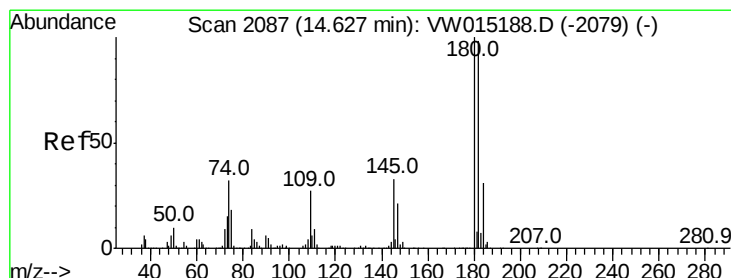
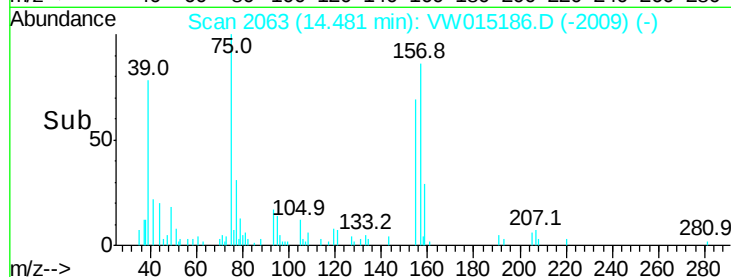
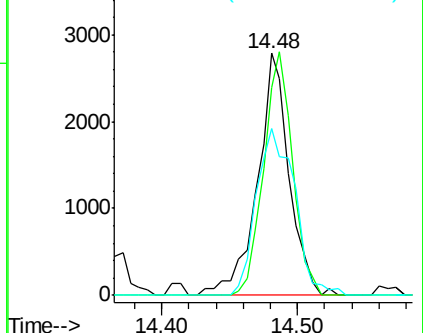
155 68.9 68.7 103.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.370 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW015186.D

Acq: 14 Apr 2020 11:21

Tgt Ion: 180 Resp: 41948

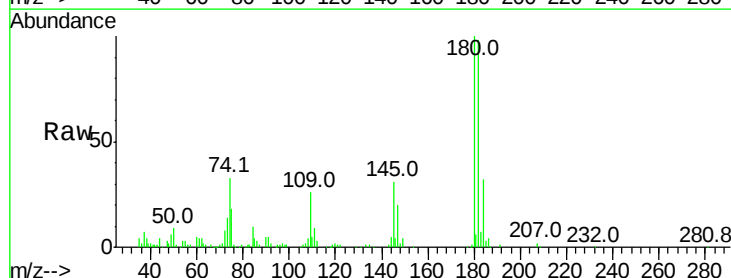
Ion Ratio Lower Upper

180 100

182 94.5 78.0 117.0

184 29.0 24.1 36.1

145 29.5 25.5 38.3

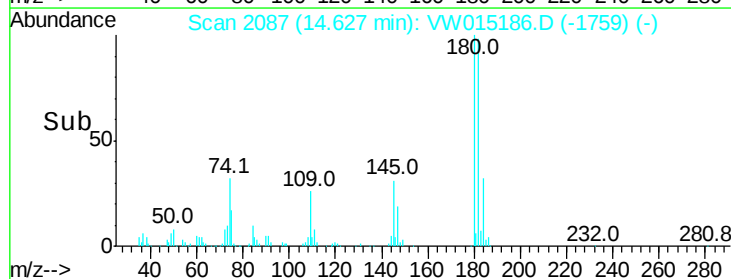
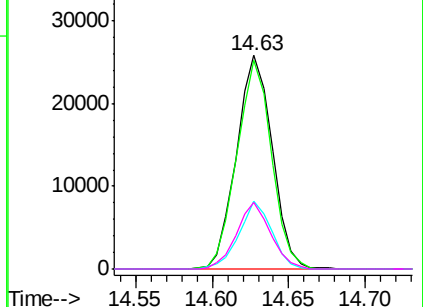


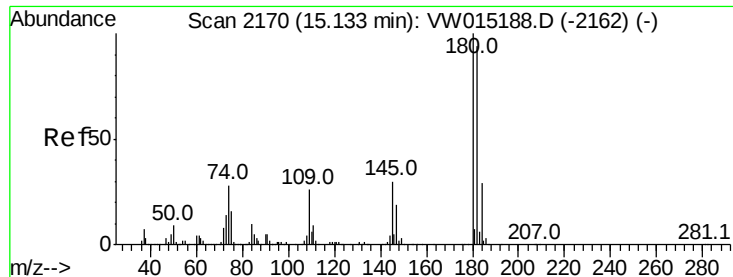
Abundance Ion 180.00 (179.70 to 180.70): V

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

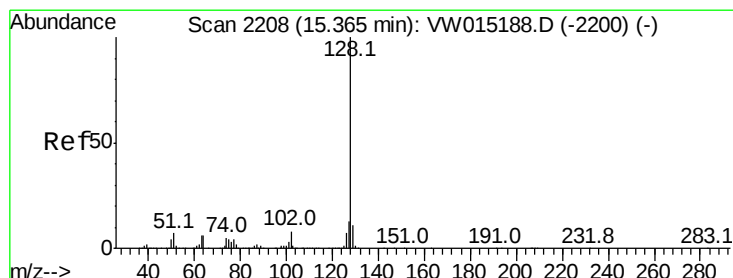
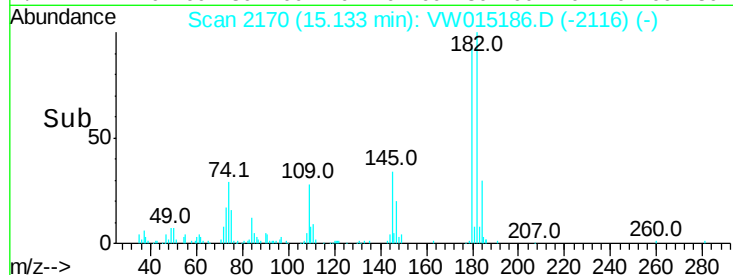
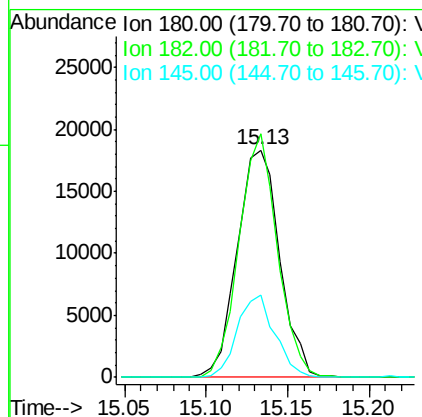
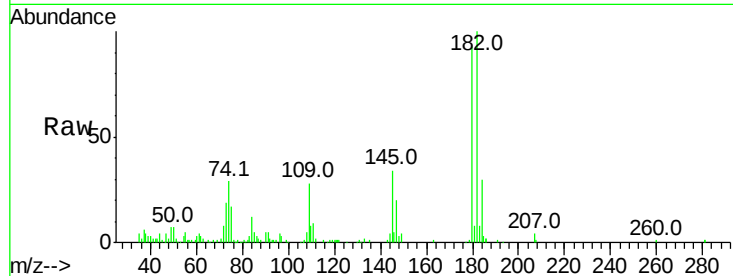




#68
 1,2,4-trichlorobenzene
 Concen: 2.363 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

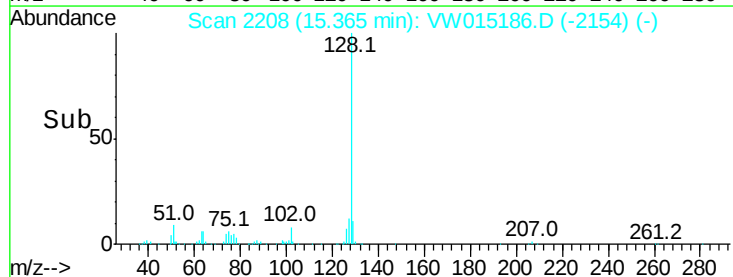
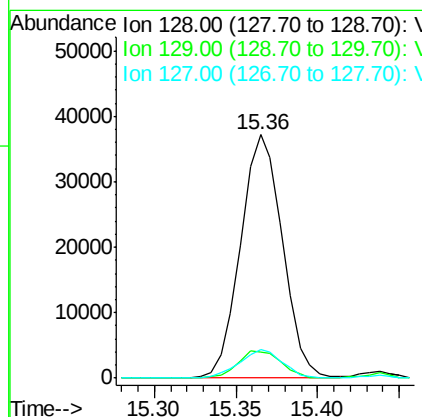
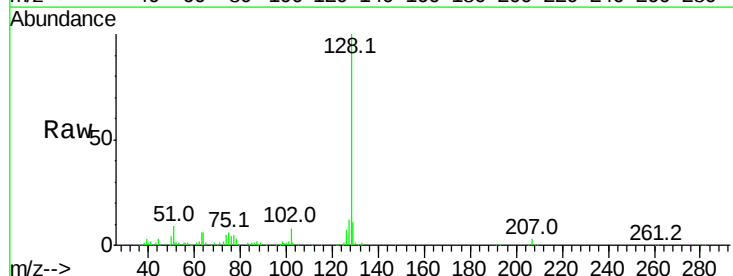
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

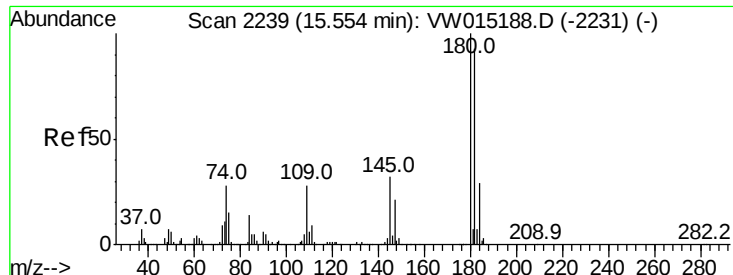
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.6	111.8
145	31.9	25.4	38.2



#69
 Naphthalene
 Concen: 2.350 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	12.2	10.2	15.2

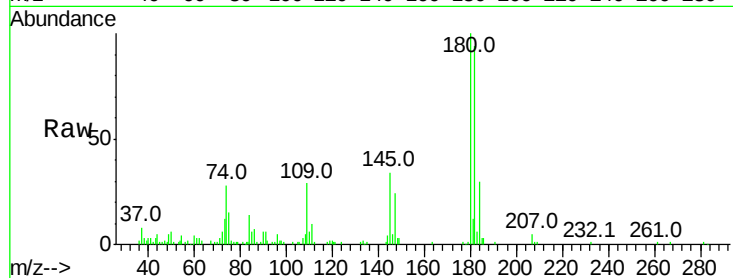




#70
 1,2,3-Trichlorobenzene
 Concen: 2.321 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW015186.D
 Acq: 14 Apr 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.6	113.4
145	35.1	27.4	41.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

