

Data File : VW015187.D
Acq On : 14 Apr 2020 11:47
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Apr 14 13:07:01 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	979138	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	848231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	381237	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	44879	4.85	ug/L	0.00
7) Chloroethane-d5	2.89	69	39626	5.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	116299	4.74	ug/L	0.00
20) 2-Butanone-d5	7.09	46	27741	8.76	ug/L	0.01
24) Chloroform-d	7.65	84	112893	4.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	54308	4.75	ug/L	0.00
29) Benzene-d6	8.27	84	241298	5.14	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	72134	4.97	ug/L	0.00
37) Toluene-d8	10.32	98	231927	5.27	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	30927	4.67	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	24084	9.29	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	50293	4.74	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	69730	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	50611	7.150 ug/L	92
3) Chloromethane	2.21	50	55813	6.352 ug/L	96
5) Vinyl chloride	2.36	62	54700	4.650 ug/L	98
6) Bromomethane	2.78	94	32085	5.273 ug/L	97
8) Chloroethane	2.92	64	33415	5.740 ug/L	97
9) Trichlorofluoromethane	3.26	101	41457	4.446 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	65061	4.827 ug/L #	57
12) 1,1-Dichloroethene	4.04	96	63831	4.794 ug/L	94
13) Acetone	4.13	43	20488	10.205 ug/L	97
14) Carbon disulfide	4.38	76	201927	4.575 ug/L	98
16) Methylene chloride	4.92	84	72823	5.246 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	84482	4.731 ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	65562	4.857 ug/L	98
19) 1,1-Dichloroethane	6.21	63	111738	4.805 ug/L	95
21) 2-Butanone	7.18	43	31738	9.695 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	69155	4.932 ug/L	96
23) Bromochloromethane	7.51	128	28128	4.884 ug/L	89
25) Chloroform	7.67	83	108340	4.792 ug/L	99
27) 1,2-Dichloroethane	8.40	62	63150	4.592 ug/L #	94
30) Cyclohexane	7.95	56	116170	4.923 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	96115	5.003 ug/L	99
32) Carbon tetrachloride	8.07	117	86852	4.942 ug/L	98
34) Benzene	8.32	78	263394	4.993 ug/L	100
35) Trichloroethene	9.09	95	66713	4.788 ug/L	98
36) Methylcyclohexane	9.34	83	126241	4.989 ug/L	99
40) 1,2-Dichloropropane	9.37	63	62775	4.877 ug/L	100
41) Bromodichloromethane	9.64	83	76071	4.598 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	97460	4.694 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	68231	8.900 ug/L	98
44) Toluene	10.38	91	275599	4.958 ug/L	97

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Apr 14 13:07:01 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	80396	4.499	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	43451	4.739	ug/L	92
47) Tetrachloroethene	10.86	164	51831	5.195	ug/L	95
49) 2-Hexanone	10.97	43	44882	8.884	ug/L	99
50) Dibromochloromethane	11.13	129	50268	4.685	ug/L	96
51) 1,2-Dibromoethane	11.23	107	39856	4.612	ug/L	94
52) Chlorobenzene	11.65	112	171842	5.033	ug/L	98
53) Ethylbenzene	11.73	91	307353	4.917	ug/L	98
54) m,p-Xylene	11.84	106	117331	4.894	ug/L	100
55) o-xylene	12.16	106	114006	4.975	ug/L	96
56) Styrene	12.18	104	188152	4.882	ug/L	99
57) Isopropylbenzene	12.46	105	302796	4.895	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	48156	4.508	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	36117	4.575	ug/L	99
62) Bromoform	12.35	173	27406	4.490	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	123760	4.911	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	121897	4.980	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	112891	5.045	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	7840	4.230	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	86917	5.010	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	69737	5.036	ug/L	98
69) Naphthalene	15.36	128	132031	4.759	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	60739	5.038	ug/L	98

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

Data File : VW015187.D

Acq On : 14 Apr 2020 11:47

Operator : SY/VA

Sample : VSTD005

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

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

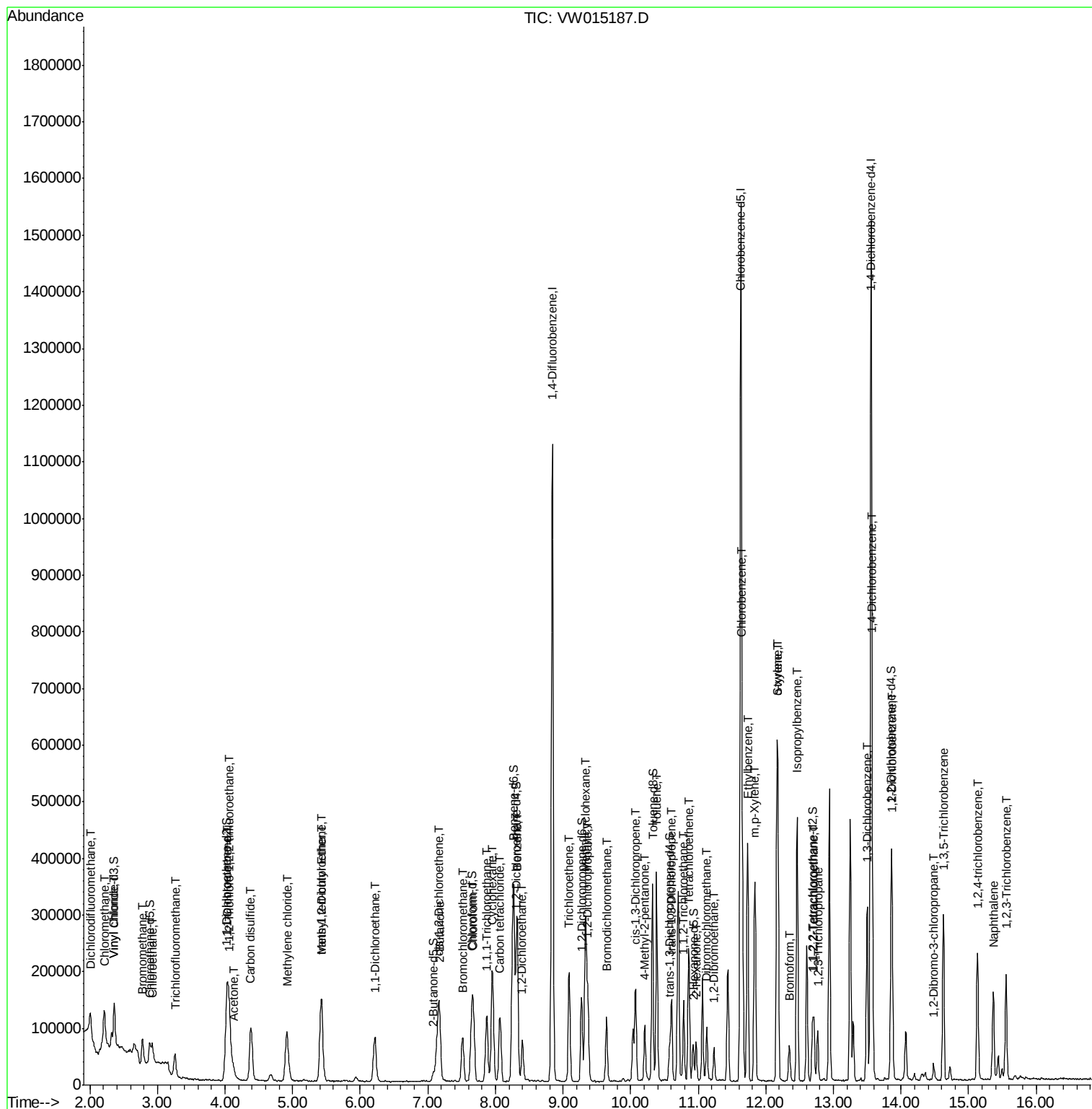
Quant Time: Apr 14 13:07:01 2020

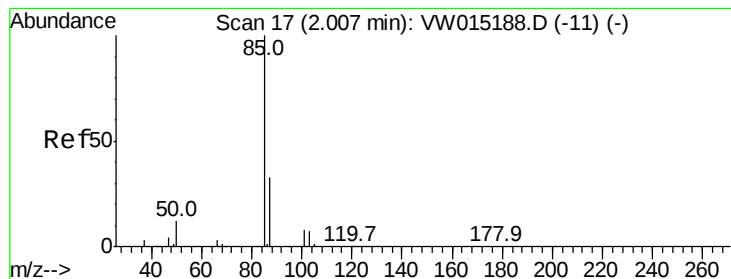
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M

Quant Title : VOC Analysis

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 7.150 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

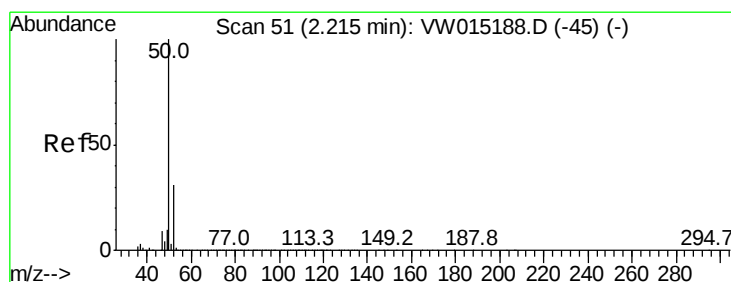
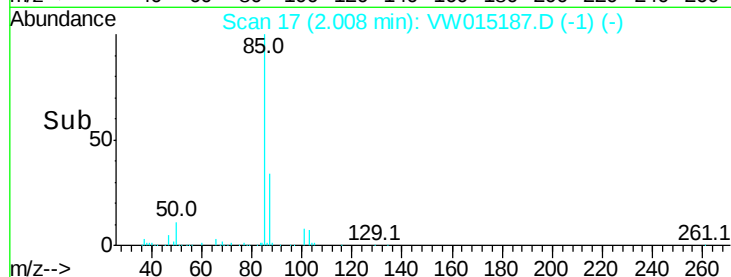
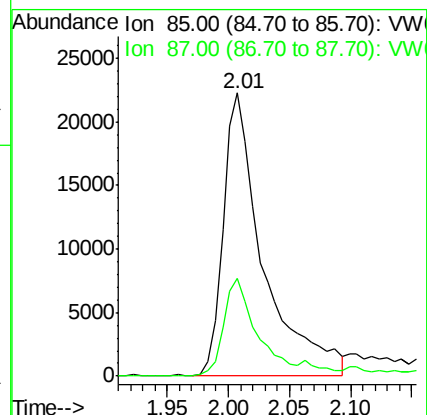
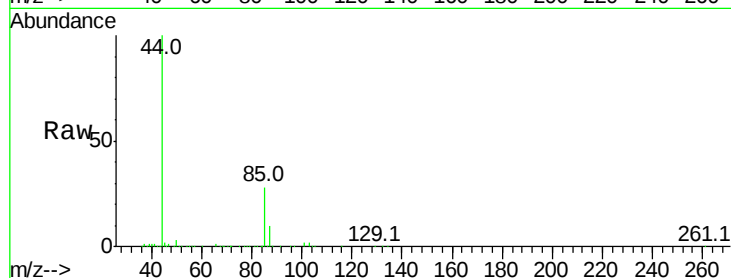
VSTD00506

Tgt Ion: 85 Resp: 50611

Ion Ratio Lower Upper

85 100

87 28.7 23.3 43.3



#3

Chloromethane

Concen: 6.352 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015187.D

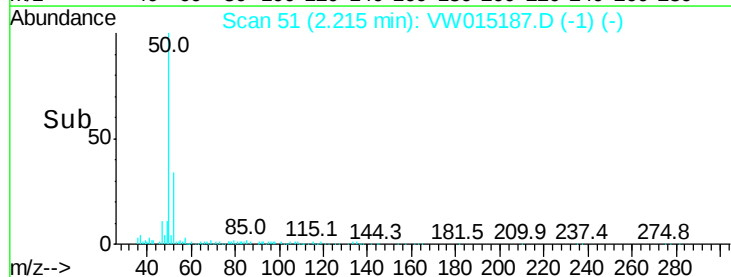
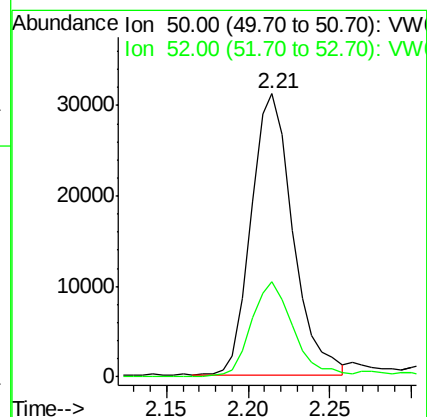
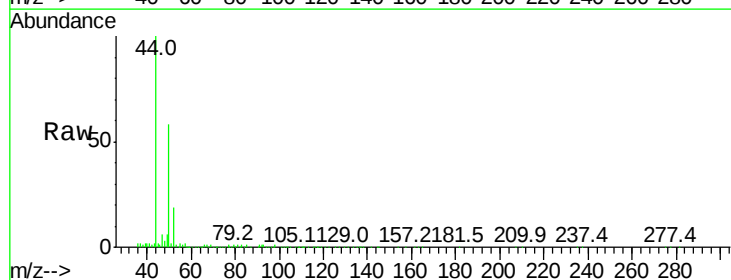
Acq: 14 Apr 2020 11:47

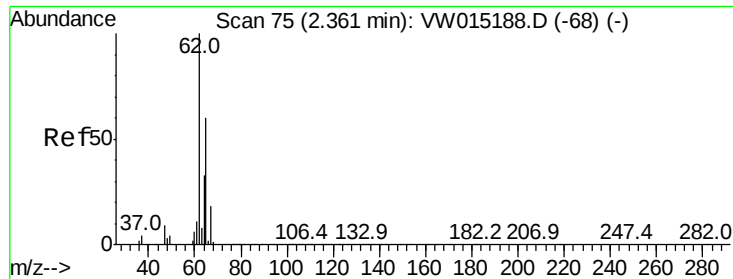
Tgt Ion: 50 Resp: 55813

Ion Ratio Lower Upper

50 100

52 33.7 22.0 40.8





#5

Vinyl chloride

Concen: 4.650 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

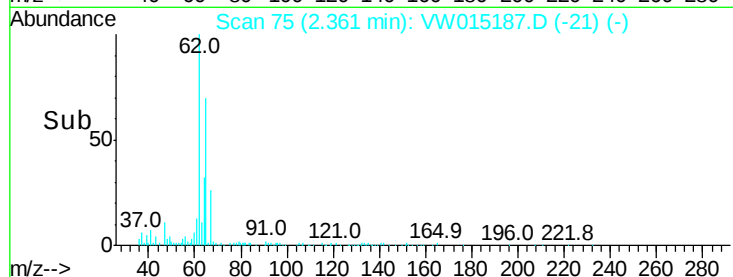
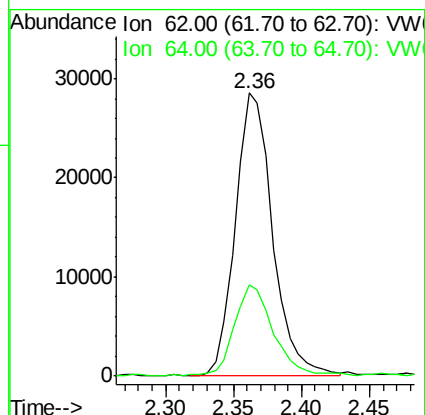
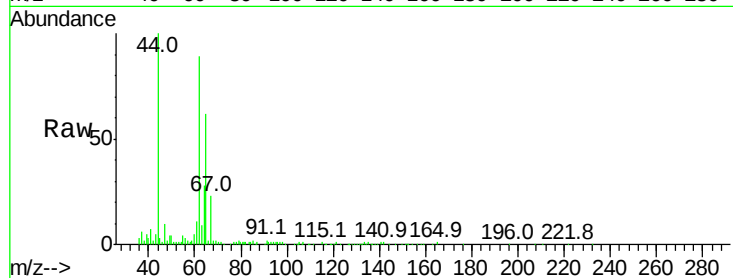
VSTD00506

Tgt Ion: 62 Resp: 54700

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.0



#6

Bromomethane

Concen: 5.273 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015187.D

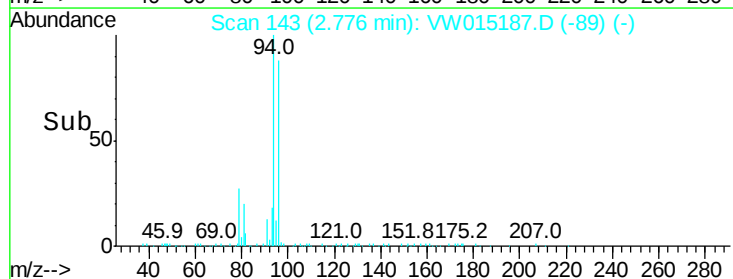
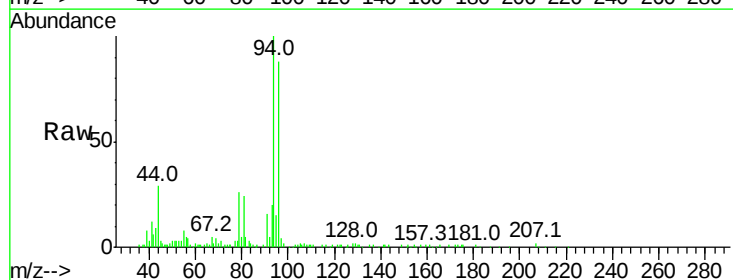
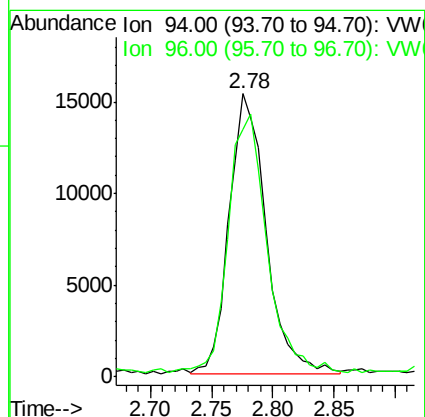
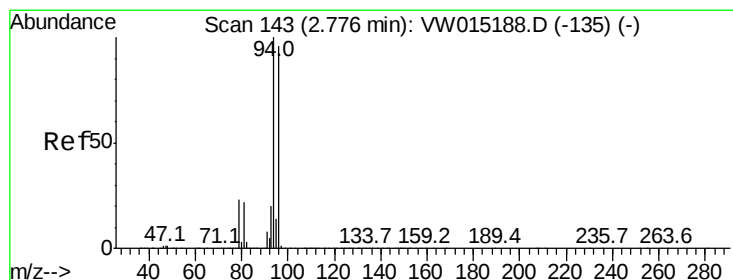
Acq: 14 Apr 2020 11:47

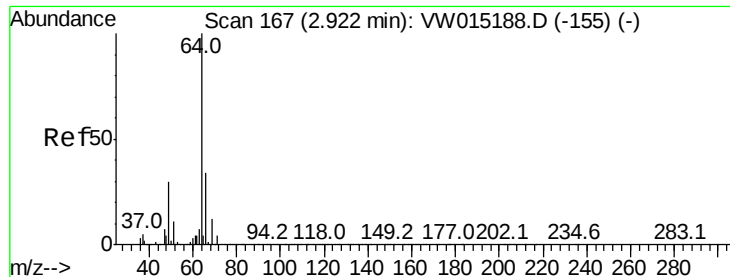
Tgt Ion: 94 Resp: 32085

Ion Ratio Lower Upper

94 100

96 95.7 9.3 176.5





#8

Chloroethane

Concen: 5.740 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

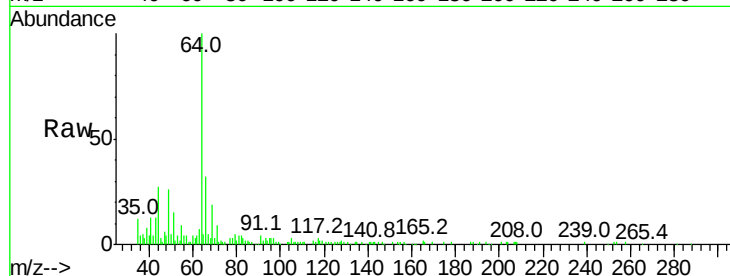
VSTD00506

Tgt Ion: 64 Resp: 33415

Ion Ratio Lower Upper

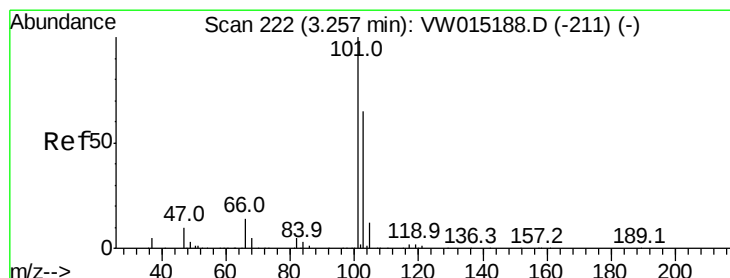
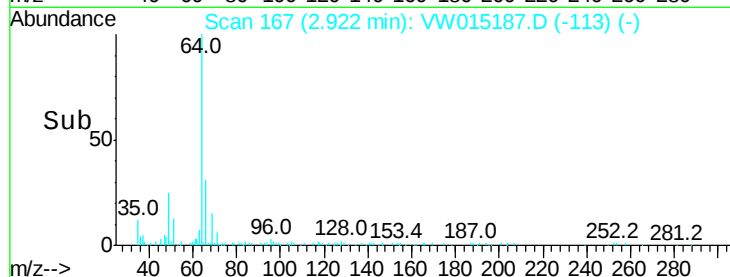
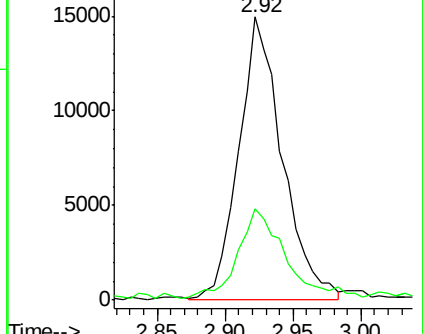
64 100

66 32.3 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: 4.446 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015187.D

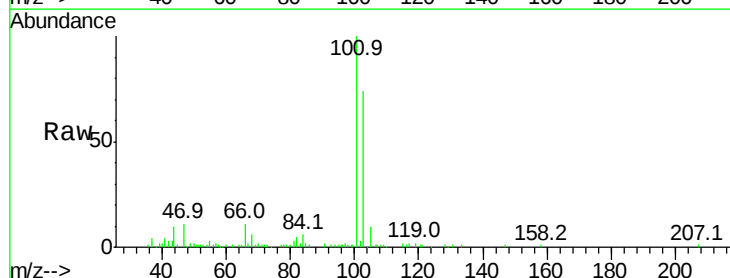
Acq: 14 Apr 2020 11:47

Tgt Ion: 101 Resp: 41457

Ion Ratio Lower Upper

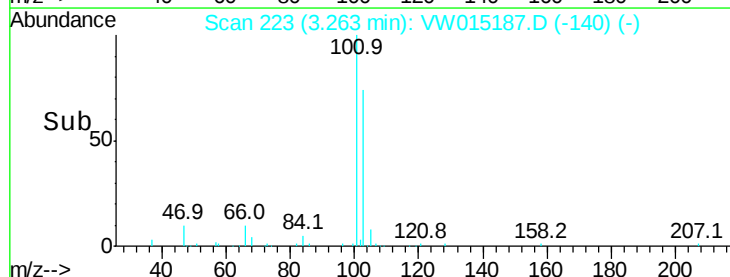
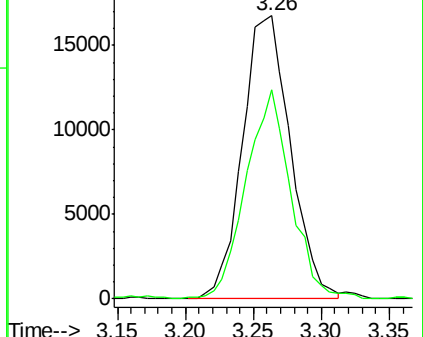
101 100

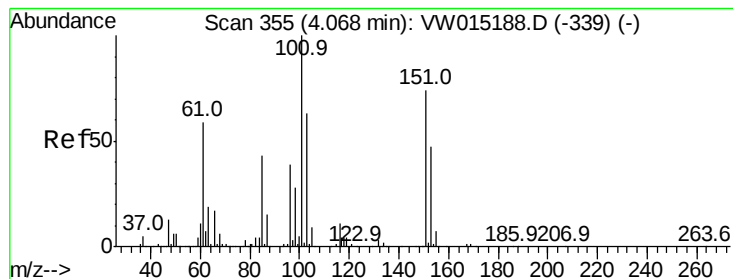
103 68.3 45.3 84.1



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: 4.827 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

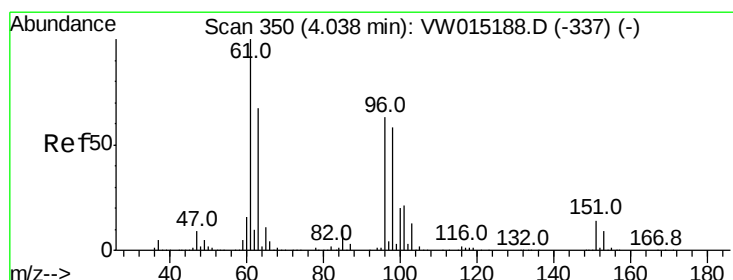
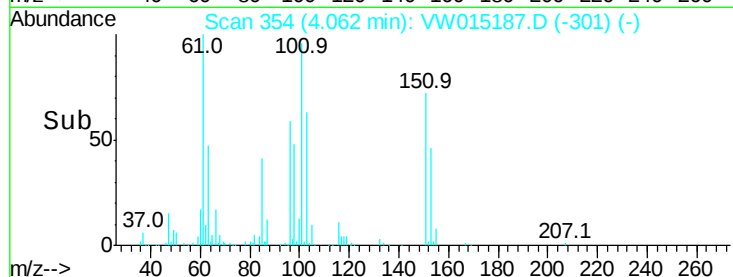
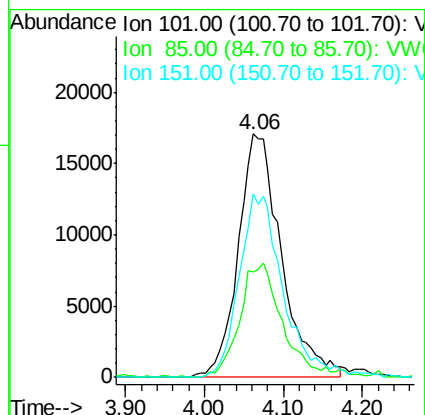
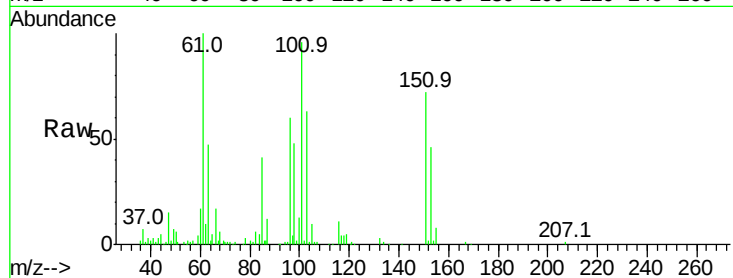
Tgt Ion: 101 Resp: 65061

Ion Ratio Lower Upper

101 100

85 17.6 33.5 50.3#

151 35.7 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 4.794 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

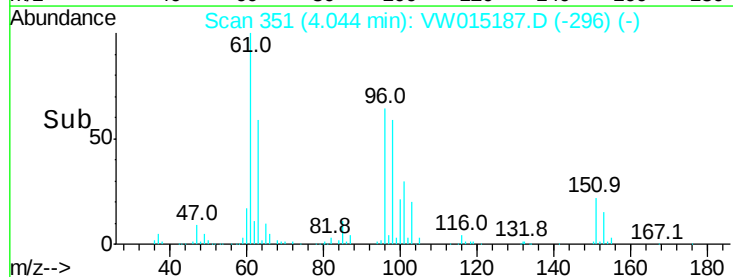
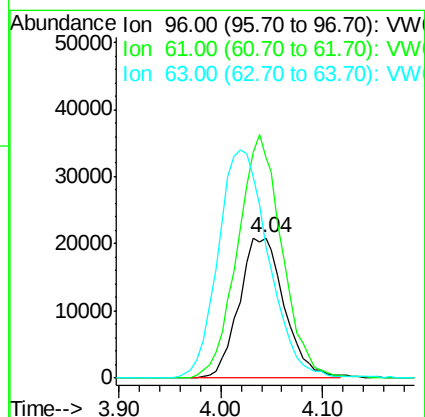
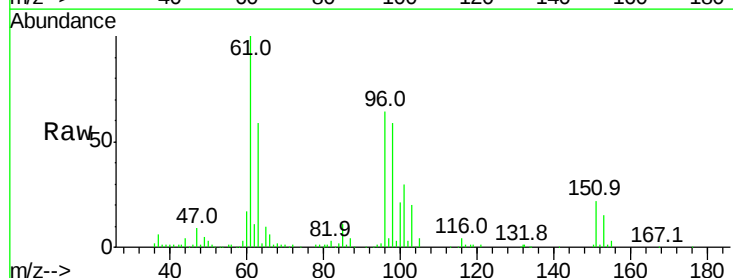
Tgt Ion: 96 Resp: 63831

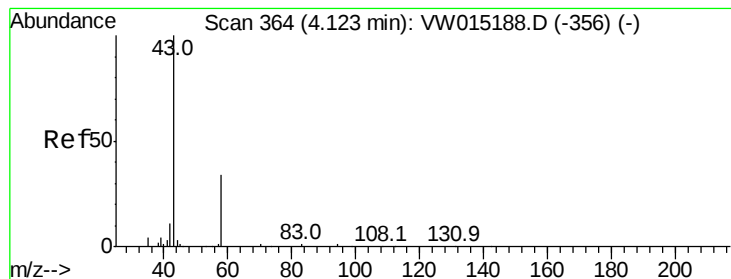
Ion Ratio Lower Upper

96 100

61 156.6 111.0 206.2

63 93.2 74.4 138.2





#13

Acetone

Concen: 10.205 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

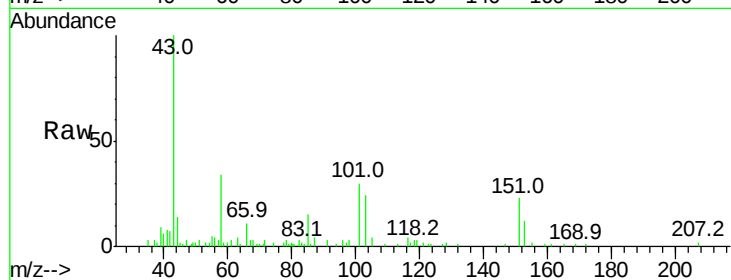
VSTD00506

Tgt Ion: 43 Resp: 20488

Ion Ratio Lower Upper

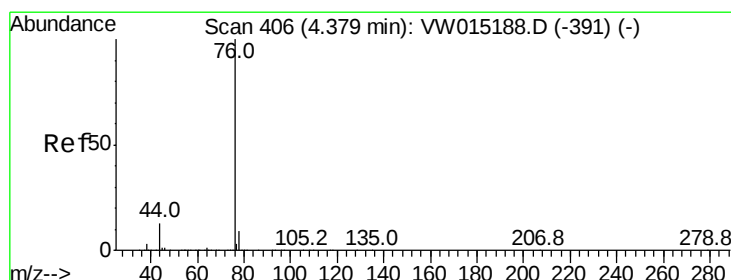
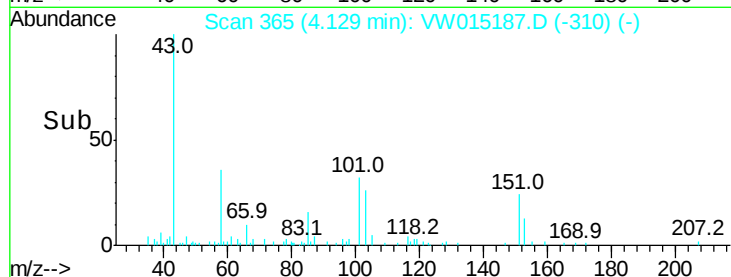
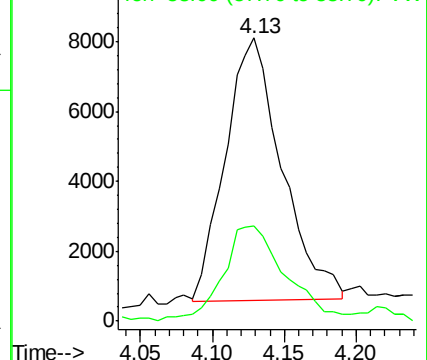
43 100

58 40.3 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: 4.575 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015187.D

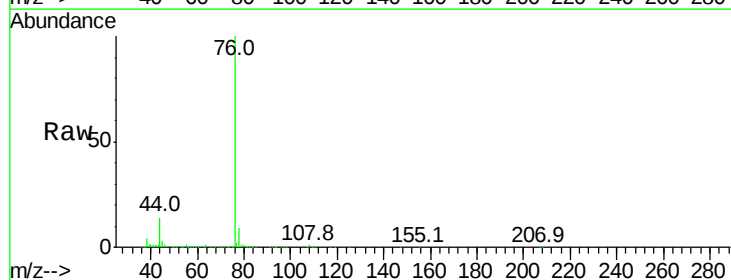
Acq: 14 Apr 2020 11:47

Tgt Ion: 76 Resp: 201927

Ion Ratio Lower Upper

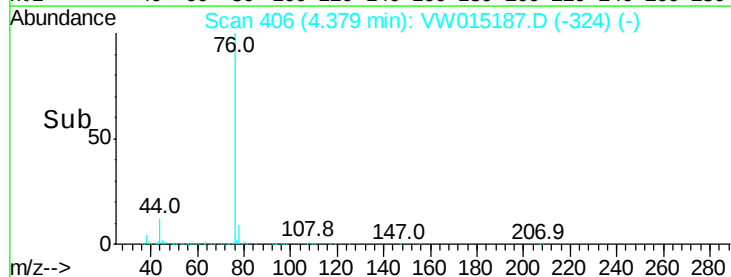
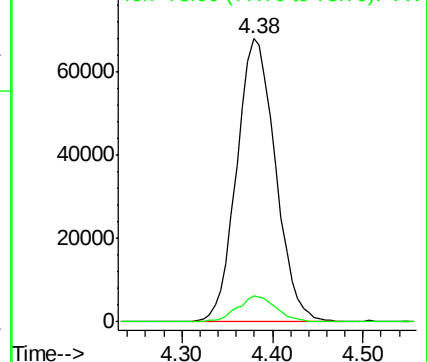
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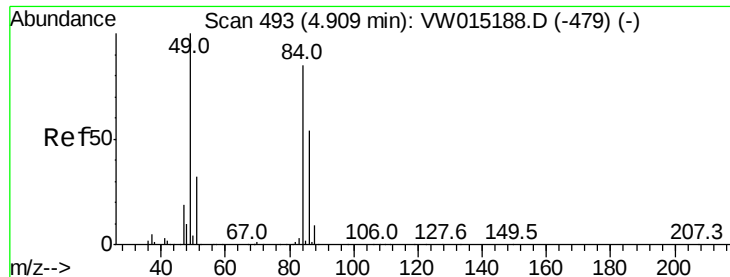
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

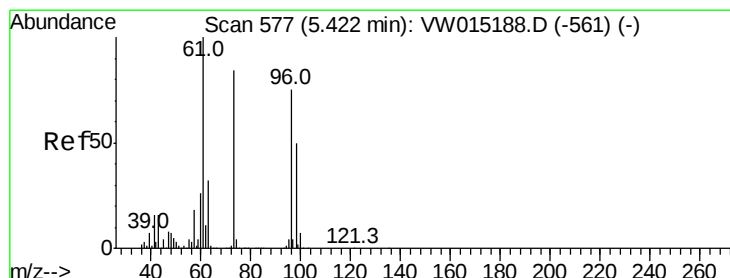
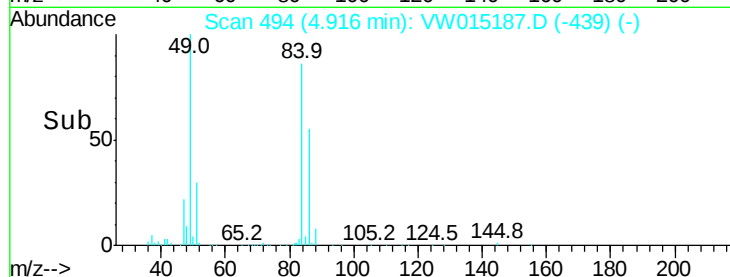
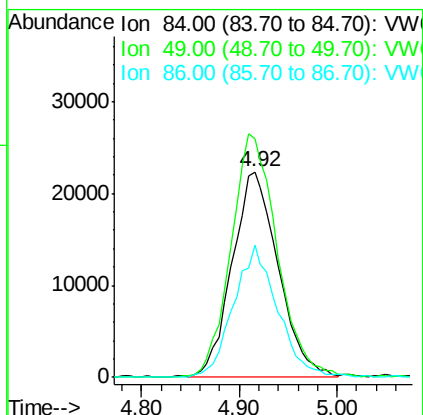
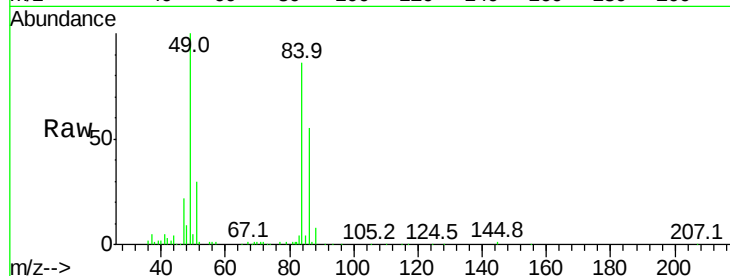




#16
Methylene chloride
Concen: 5.246 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

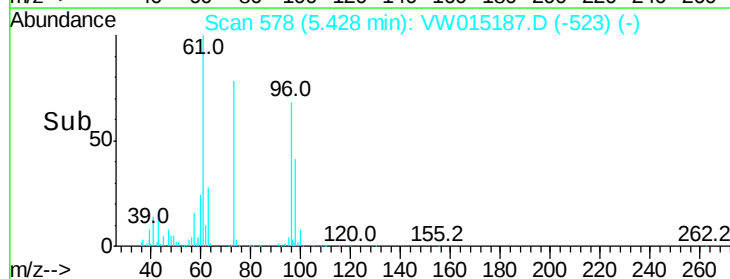
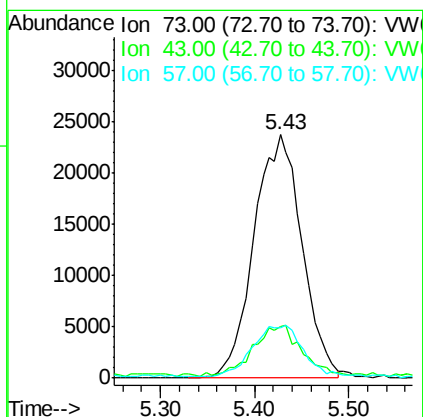
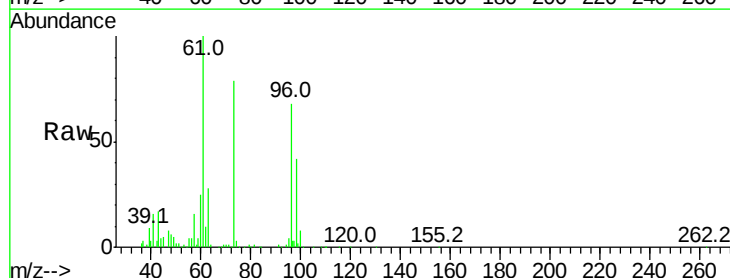
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

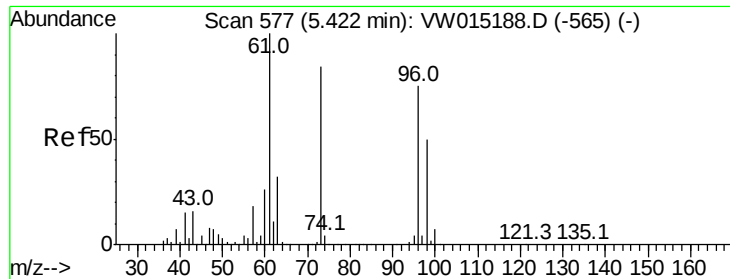
Tgt Ion: 84 Resp: 72823
Ion Ratio Lower Upper
84 100
49 116.2 82.3 152.9
86 64.1 44.1 81.9



#17
Methyl tert-butyl Ether
Concen: 4.731 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

Tgt Ion: 73 Resp: 84482
Ion Ratio Lower Upper
73 100
43 9.9 15.7 23.5#
57 13.1 17.9 26.9#

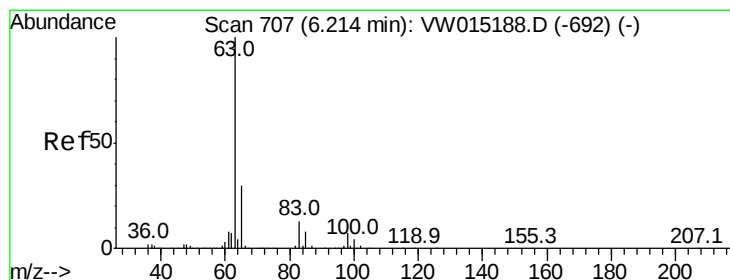
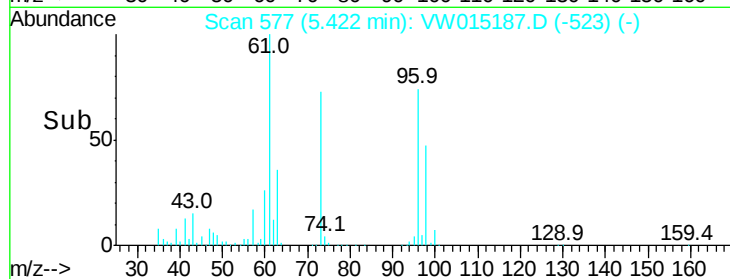
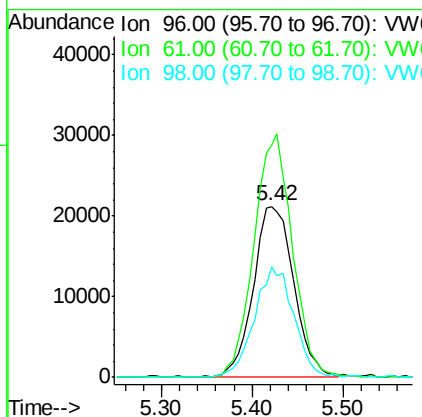
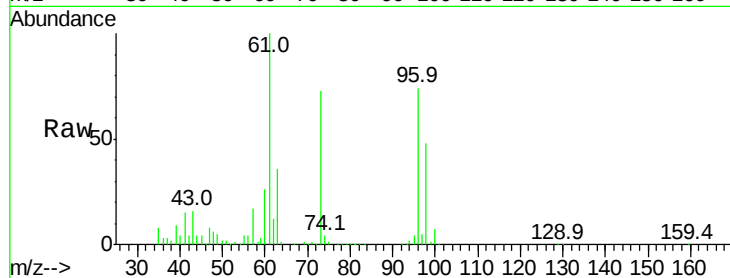




#18
 trans-1,2-Dichloroethene
 Concen: 4.857 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

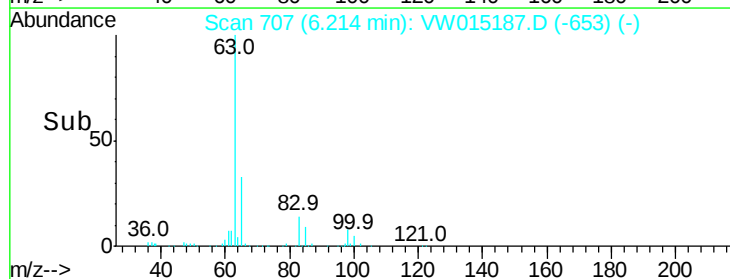
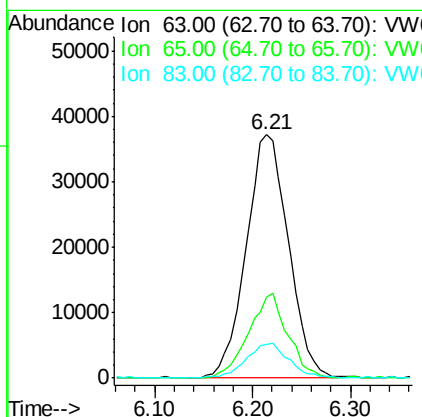
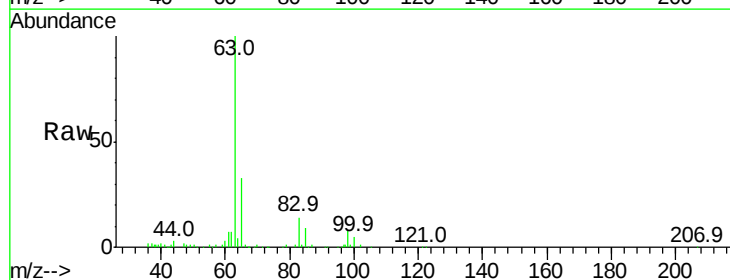
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

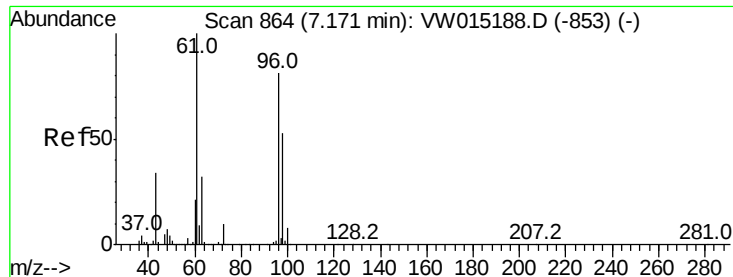
Tgt Ion: 96 Resp: 65562
 Ion Ratio Lower Upper
 96 100
 61 135.5 93.6 173.8
 98 64.5 46.8 87.0



#19
 1,1-Dichloroethane
 Concen: 4.805 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

Tgt Ion: 63 Resp: 111738
 Ion Ratio Lower Upper
 63 100
 65 33.3 21.3 39.5
 83 14.7 9.0 16.8





#21

2-Butanone

Concen: 9.695 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

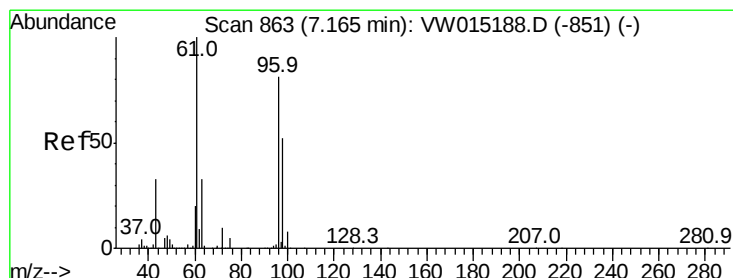
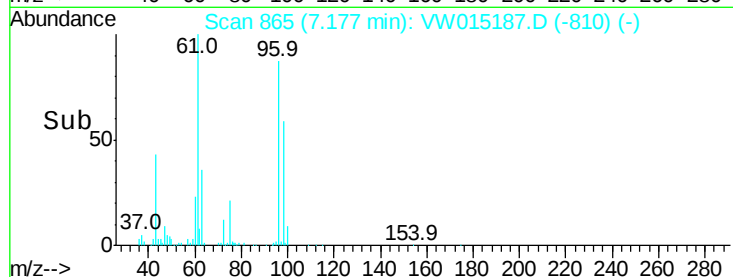
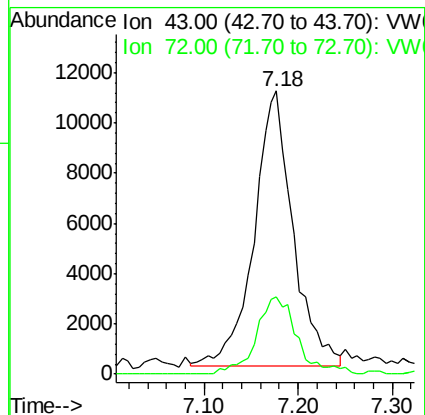
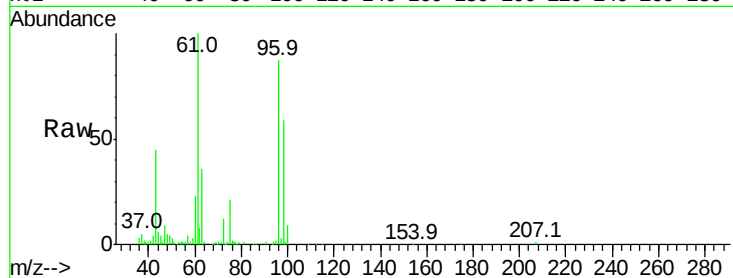
VSTD00506

Tgt Ion: 43 Resp: 31738

Ion Ratio Lower Upper

43 100

72 27.4 14.9 44.7



#22

cis-1,2-Dichloroethene

Concen: 4.932 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

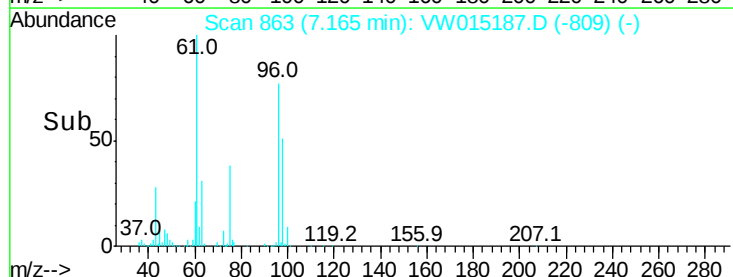
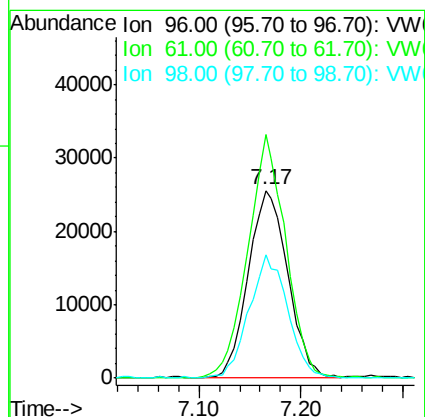
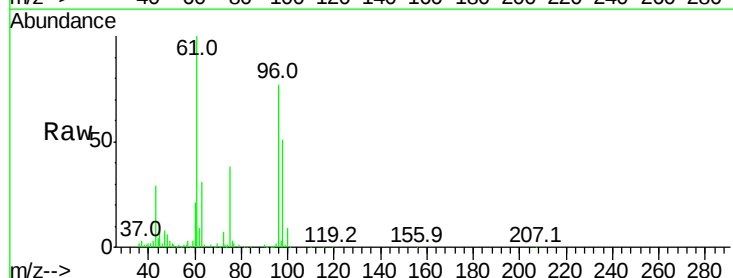
Tgt Ion: 96 Resp: 69155

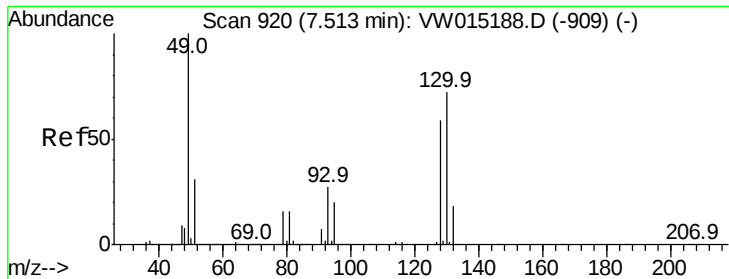
Ion Ratio Lower Upper

96 100

61 129.6 86.7 161.1

98 65.8 44.7 82.9

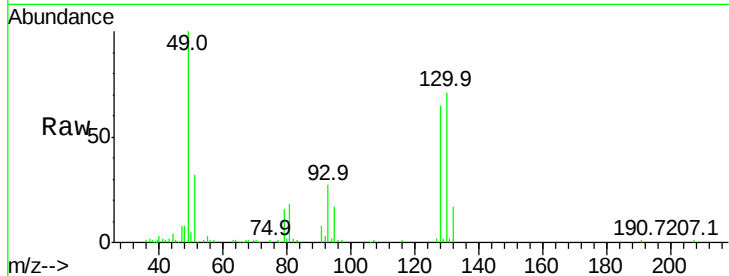




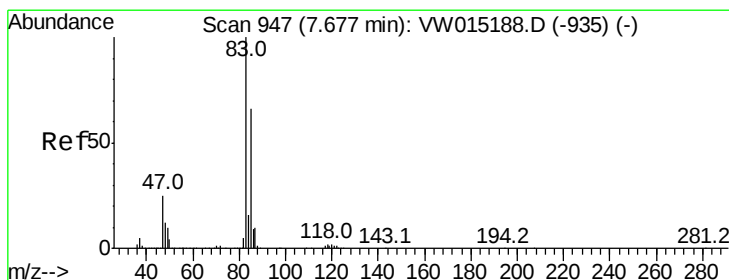
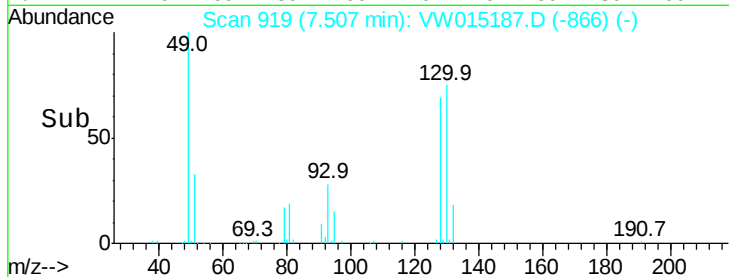
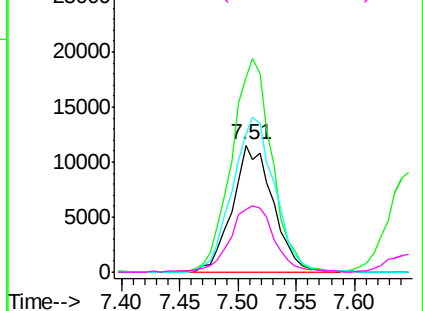
#23
Bromochloromethane
Concen: 4.884 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Tgt Ion:128 Resp: 28128
Ion Ratio Lower Upper
128 100
49 153.3 119.1 221.3
130 109.3 86.3 160.3
51 49.6 43.0 64.6

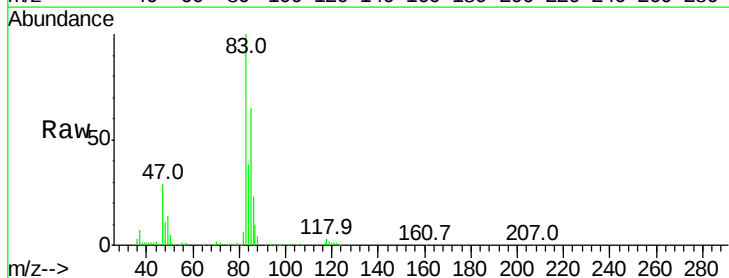


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

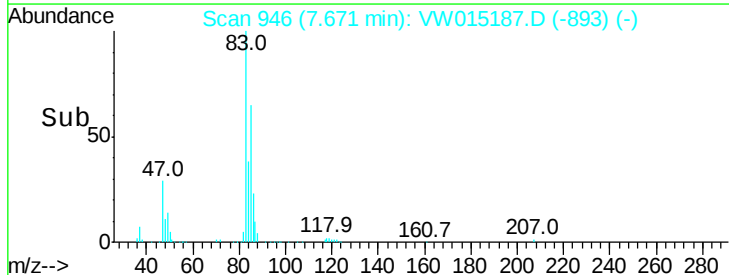
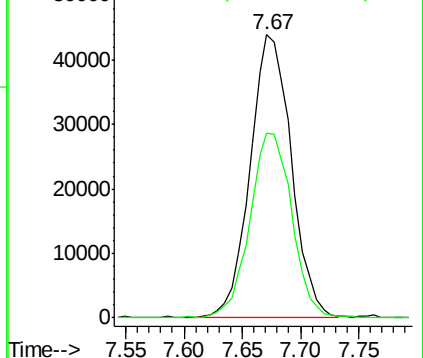


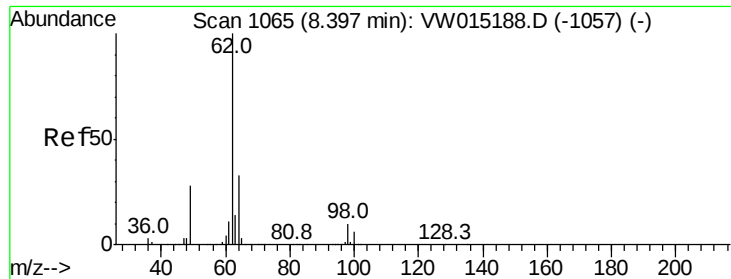
#25
Chloroform
Concen: 4.792 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

Tgt Ion: 83 Resp: 108340
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

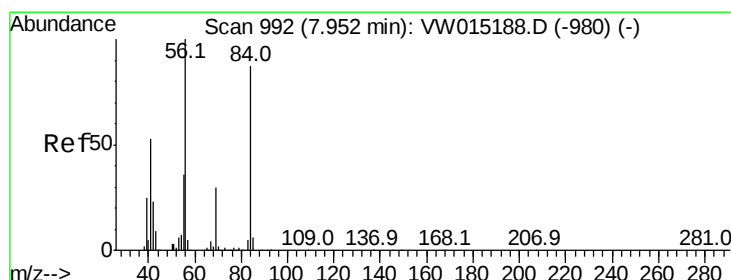
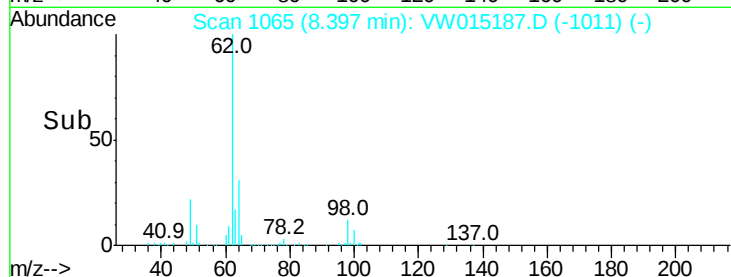
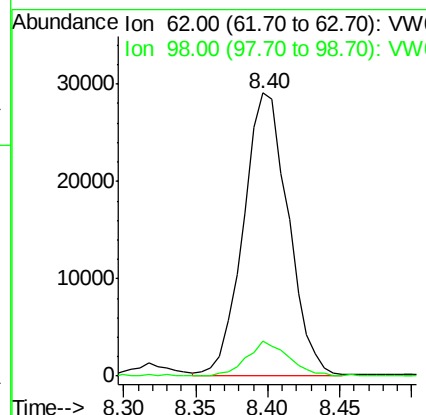
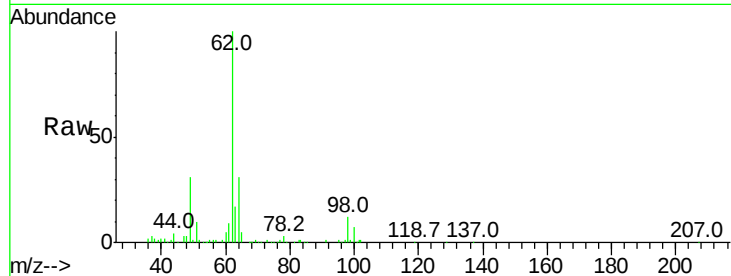




#27
 1,2-Dichloroethane
 Concen: 4.592 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

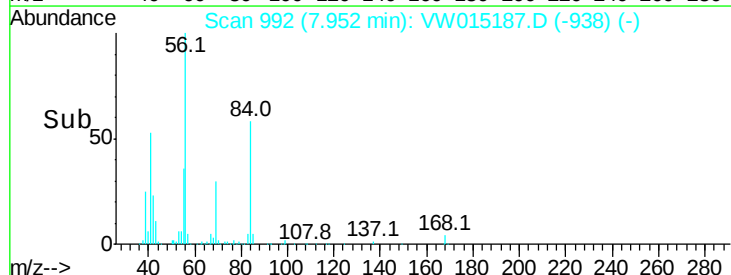
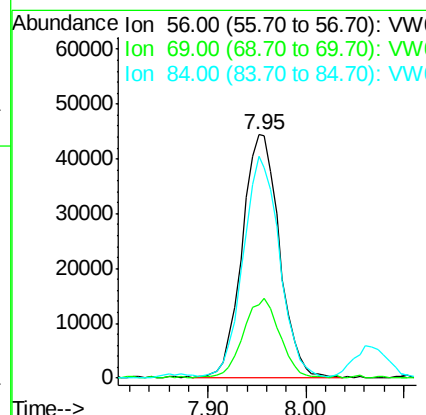
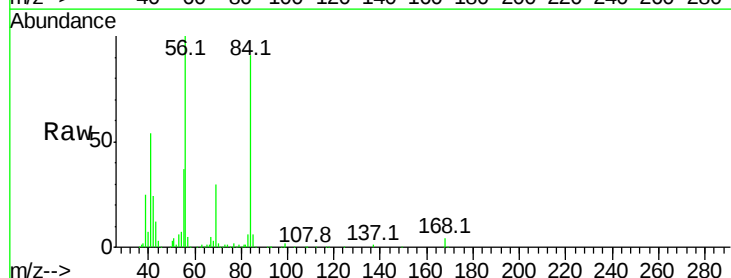
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

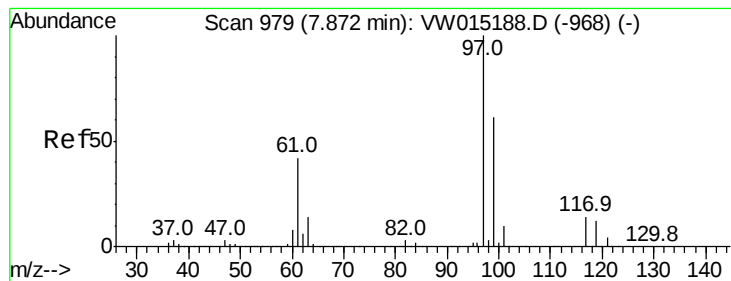
Tgt Ion: 62 Resp: 63150
 Ion Ratio Lower Upper
 62 100
 98 12.3 8.2 12.2#



#30
 Cyclohexane
 Concen: 4.923 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

Tgt Ion: 56 Resp: 116170
 Ion Ratio Lower Upper
 56 100
 69 32.3 24.8 37.2
 84 90.3 71.0 106.6





#31

1,1,1-Trichloroethane

Concen: 5.003 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

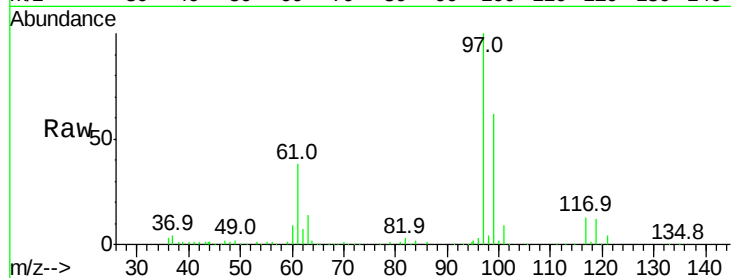
Tgt Ion: 97 Resp: 96115

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

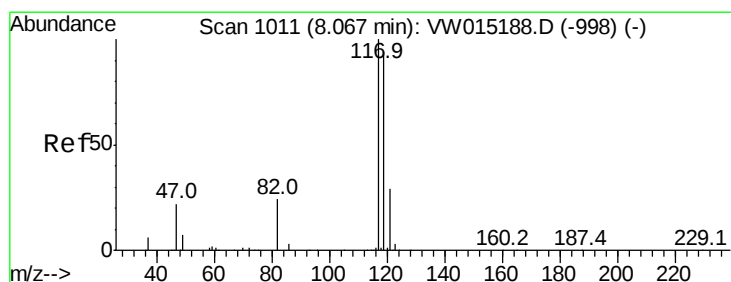
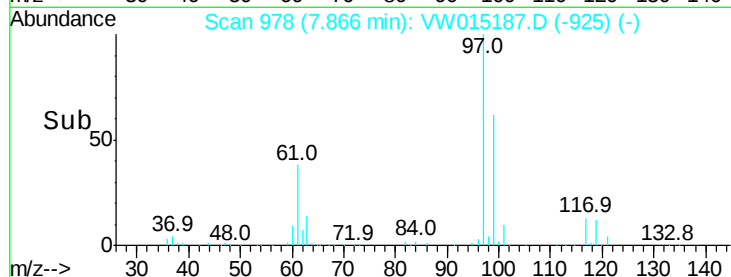
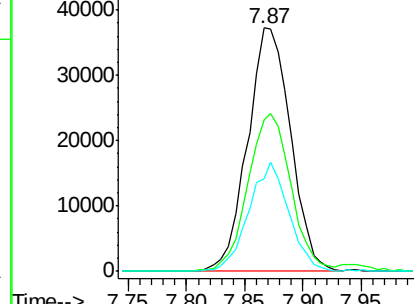
61 41.7 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 4.942 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015187.D

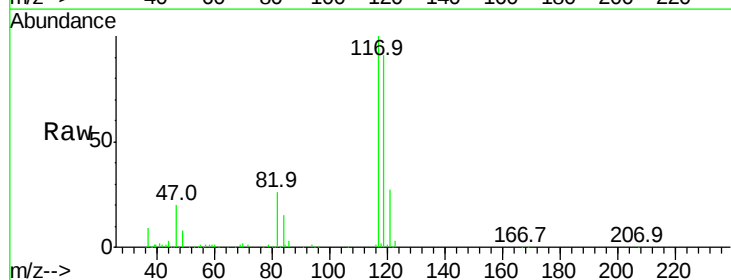
Acq: 14 Apr 2020 11:47

Tgt Ion: 117 Resp: 86852

Ion Ratio Lower Upper

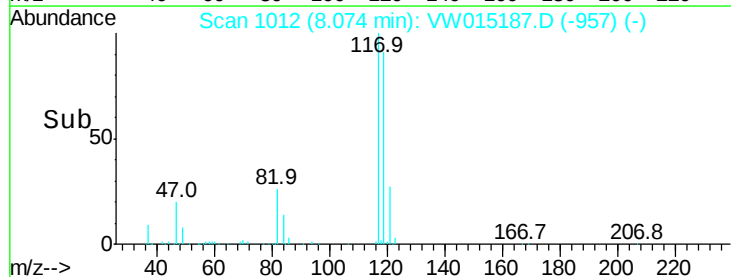
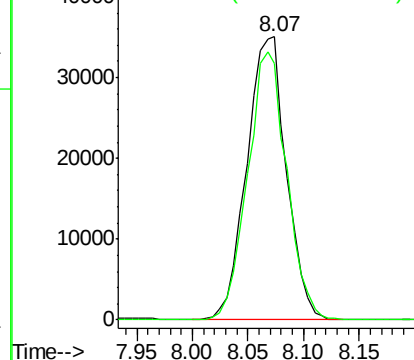
117 100

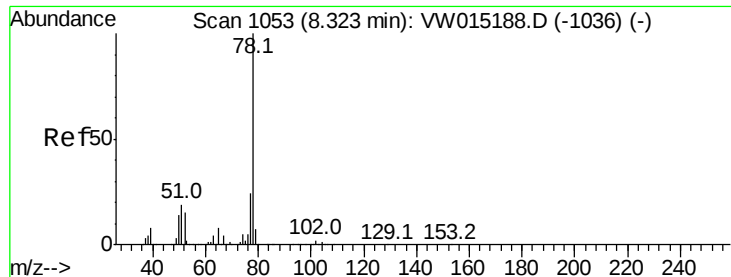
119 93.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 4.993 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

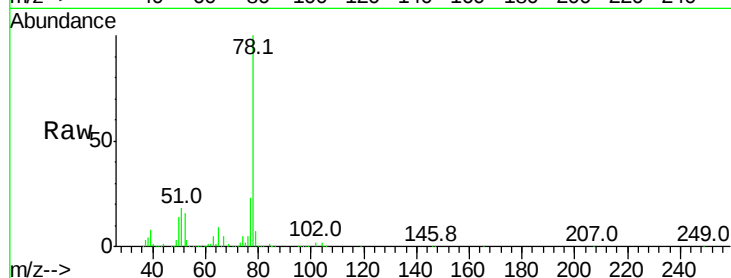
Instrument :

MSVOA_W

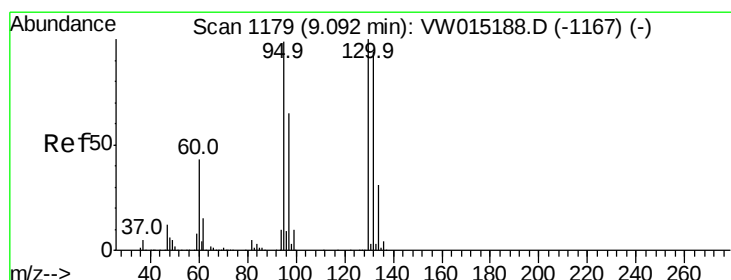
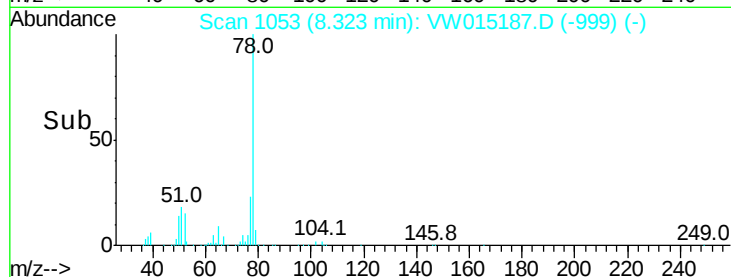
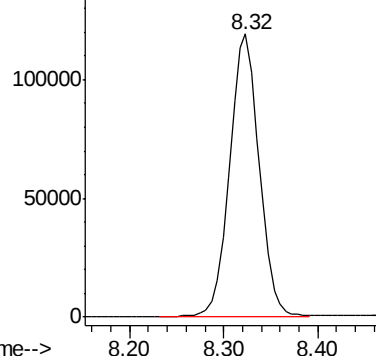
ClientSampleId :

VSTD00506

Tgt Ion: 78 Resp: 263394



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.788 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Tgt Ion: 95 Resp: 66713

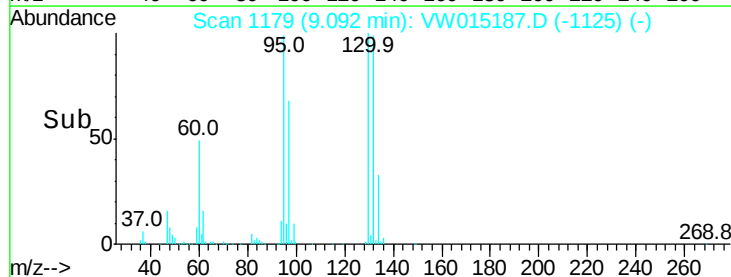
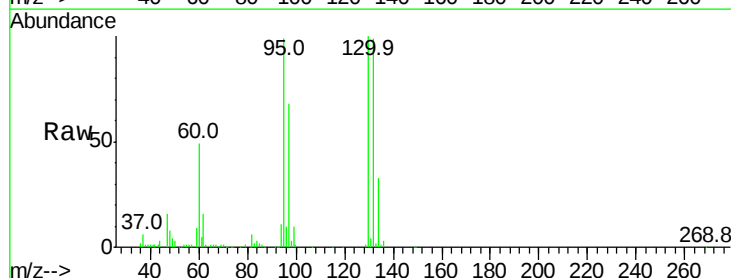
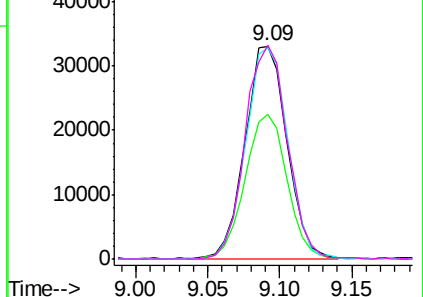
Ion	Ratio	Lower	Upper
95	100		
97	67.8	45.4	84.2
132	99.2	67.1	124.5
130	100.7	70.6	131.0

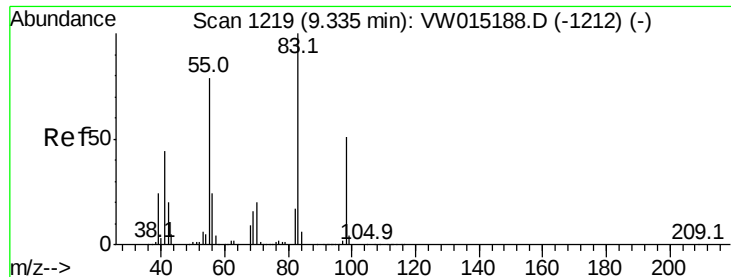
Abundance Ion 95.00 (94.70 to 95.70): VW

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

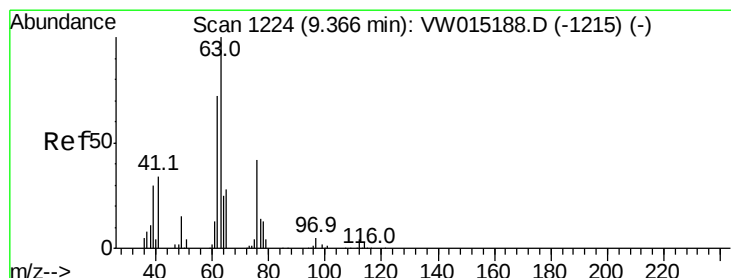
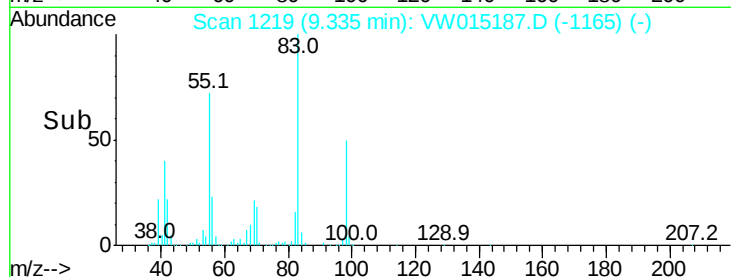
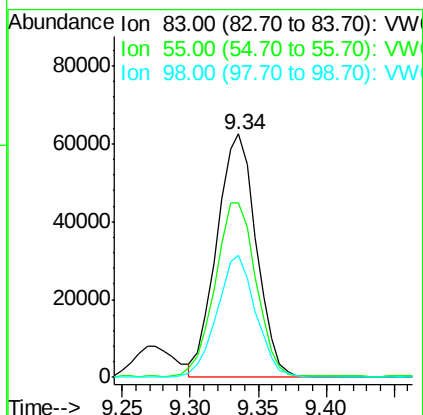
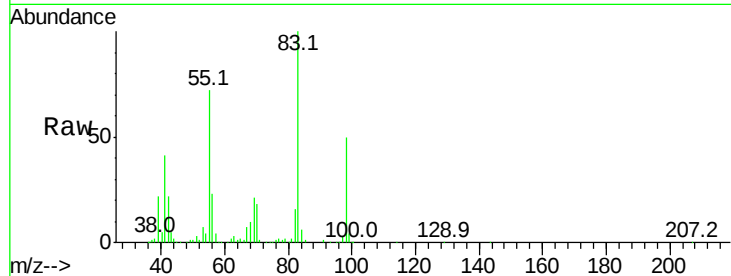




#36
Methylcyclohexane
Concen: 4.989 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

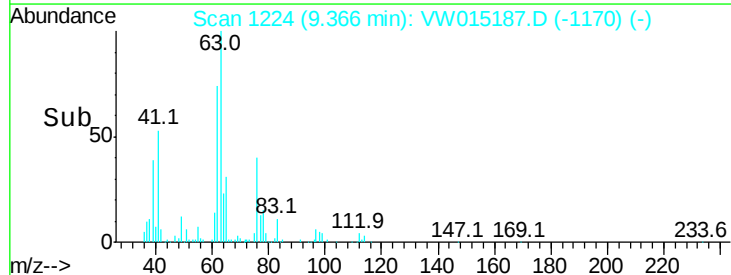
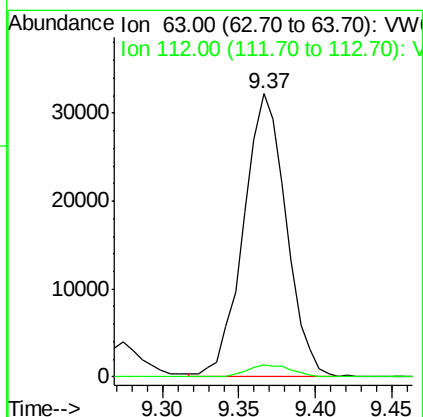
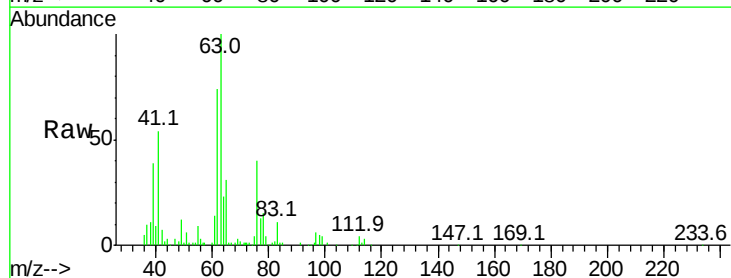
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

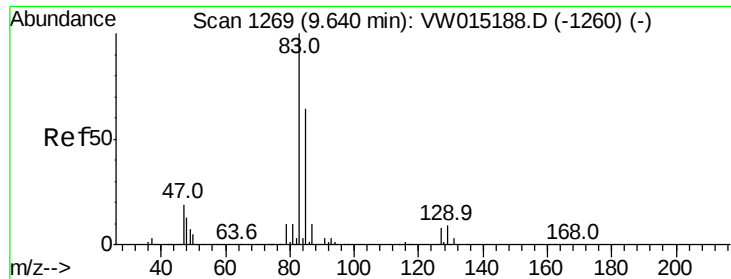
Tgt Ion: 83 Resp: 126241
Ion Ratio Lower Upper
83 100
55 73.8 60.1 90.1
98 49.1 39.4 59.0



#40
1,2-Dichloropropane
Concen: 4.877 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

Tgt Ion: 63 Resp: 62775
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3

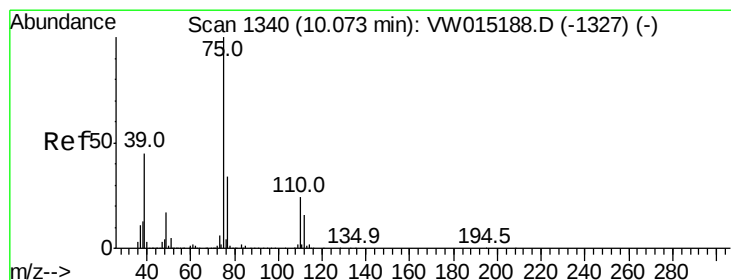
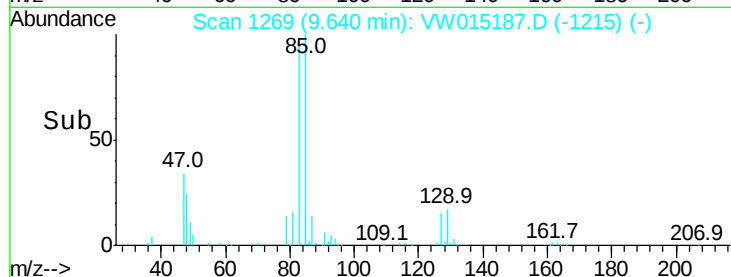
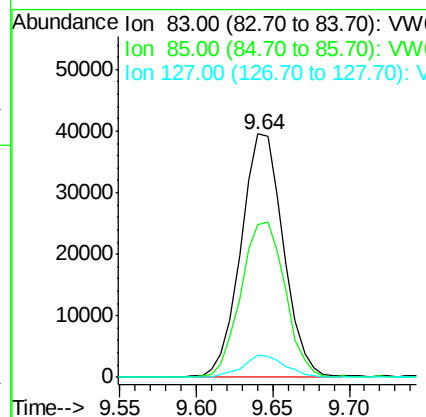
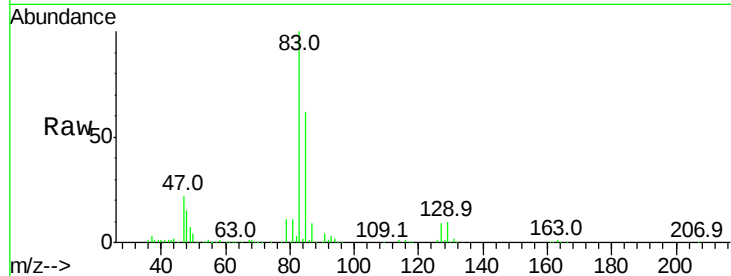




#41
 Bromodichloromethane
 Concen: 4.598 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

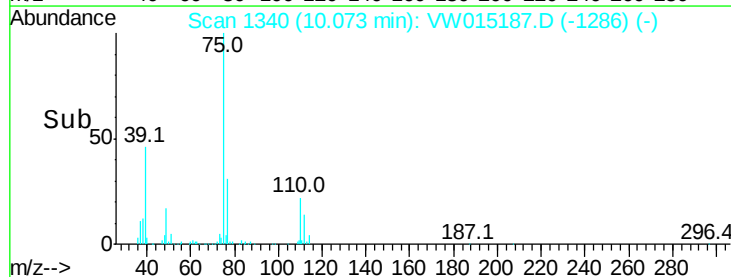
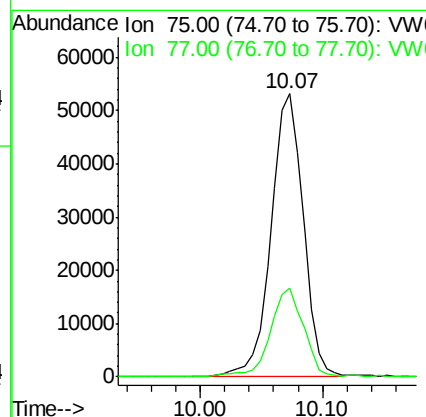
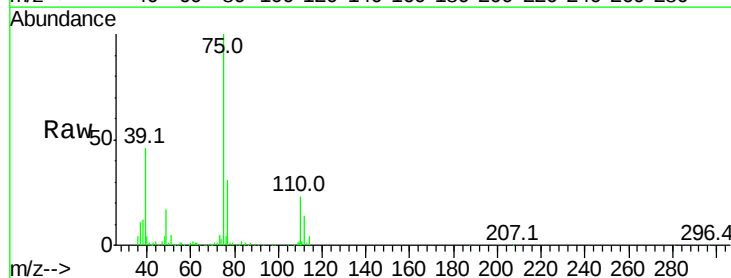
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

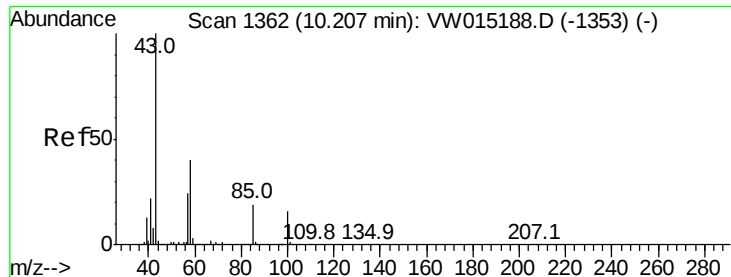
Tgt Ion: 83 Resp: 76071
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.4 82.5
 127 9.1 6.6 10.0



#42
 cis-1,3-Dichloropropene
 Concen: 4.694 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

Tgt Ion: 75 Resp: 97460
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.5 43.7





#43

4-Methyl-2-pentanone

Concen: 8.900 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

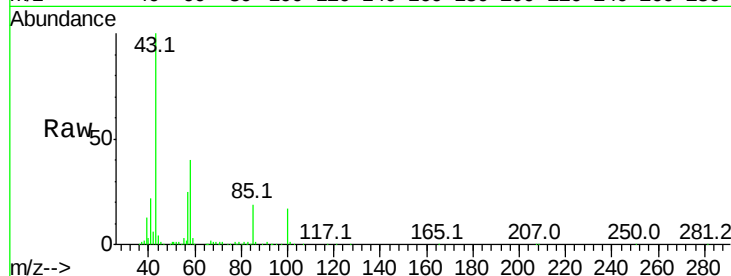
Tgt Ion: 43 Resp: 68231

Ion Ratio Lower Upper

43 100

58 42.0 32.5 48.7

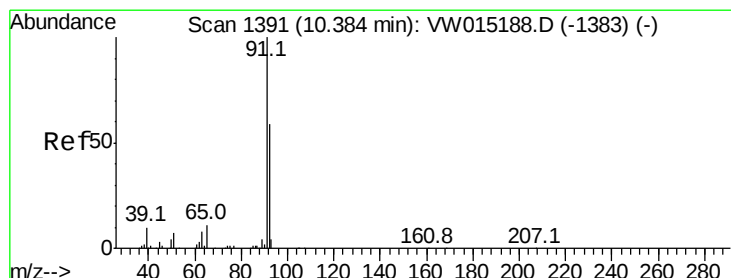
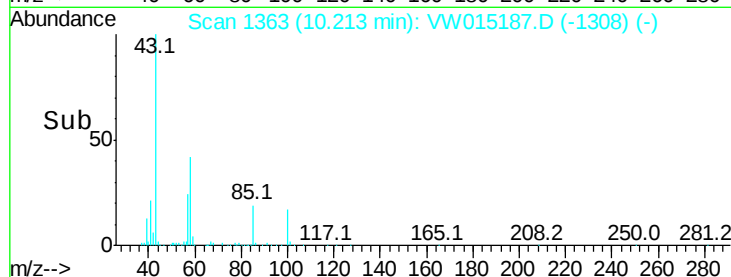
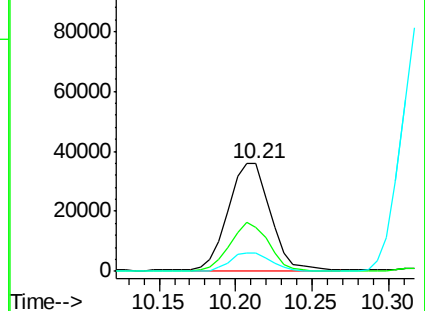
100 16.7 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 4.958 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015187.D

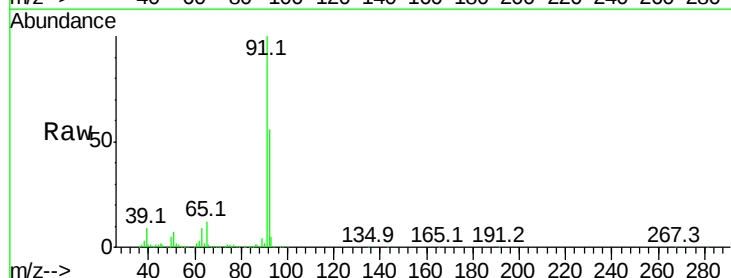
Acq: 14 Apr 2020 11:47

Tgt Ion: 91 Resp: 275599

Ion Ratio Lower Upper

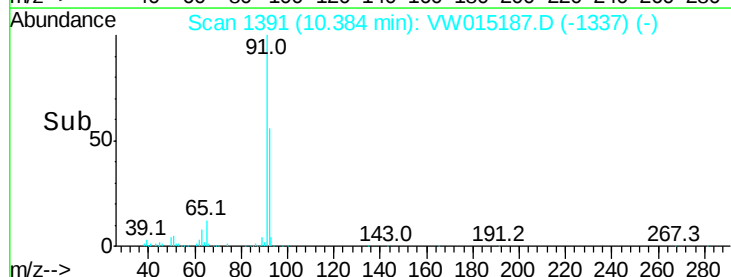
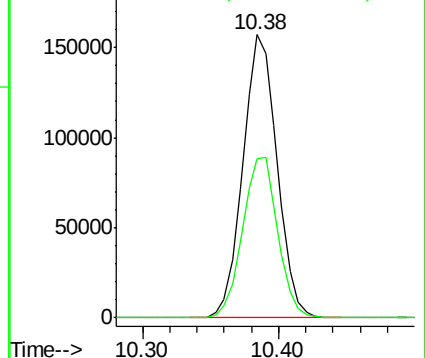
91 100

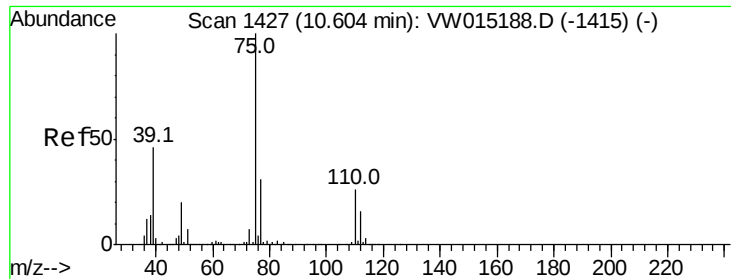
92 56.5 41.3 76.7



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: 4.499 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

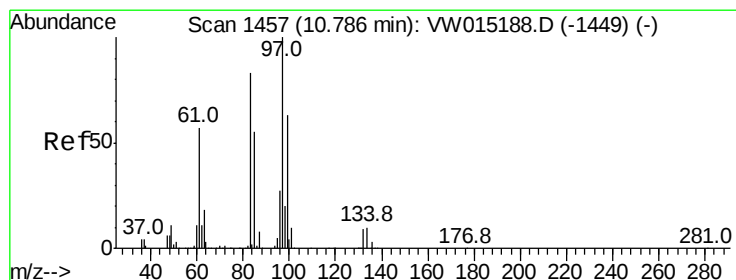
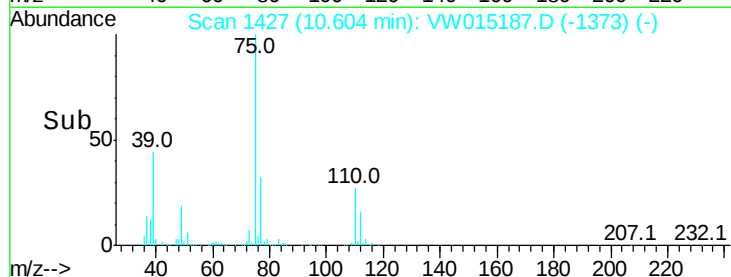
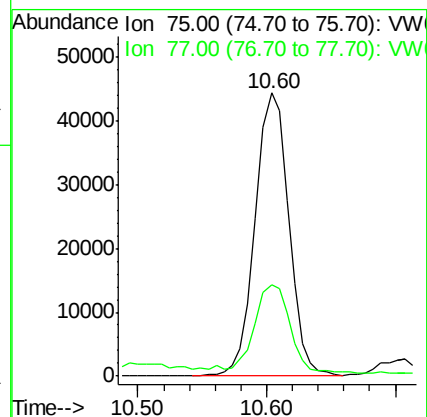
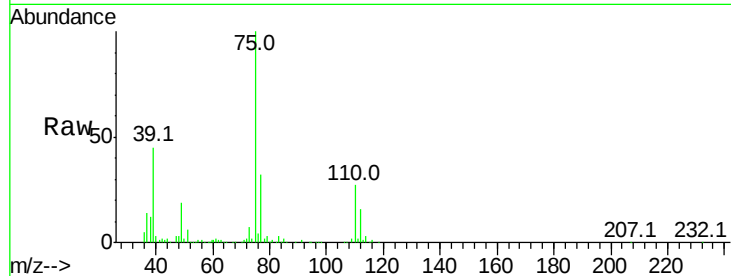
VSTD00506

Tgt Ion: 75 Resp: 80396

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#46

1,1,2-Trichloroethane

Concen: 4.739 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Tgt Ion: 97 Resp: 43451

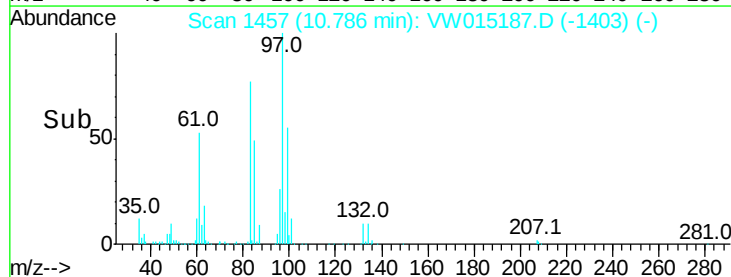
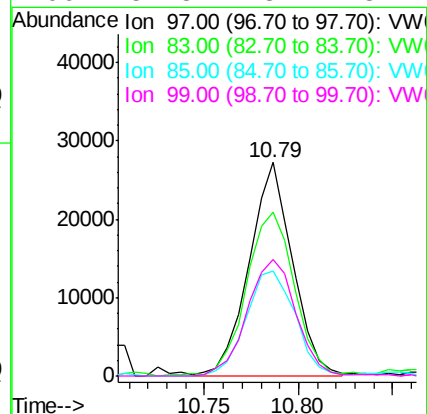
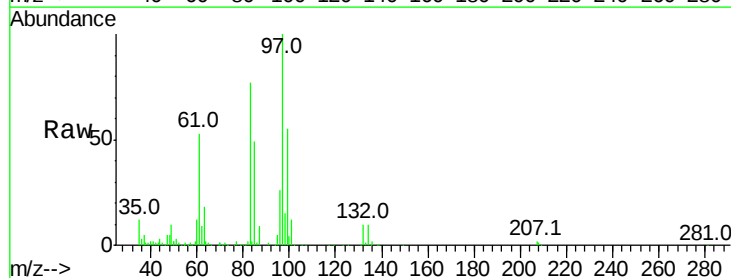
Ion Ratio Lower Upper

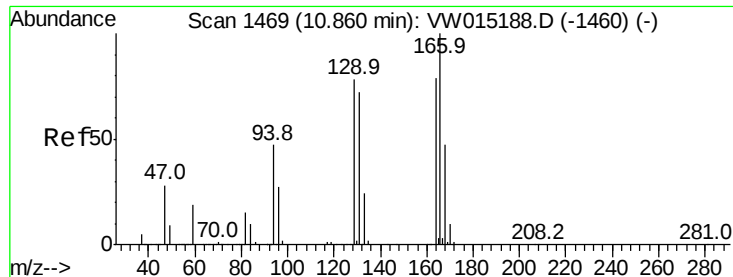
97 100

83 76.7 57.9 107.5

85 49.1 38.5 71.5

99 54.8 43.7 81.1





#47

Tetrachloroethene

Concen: 5.195 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

Tgt Ion:164 Resp: 51831

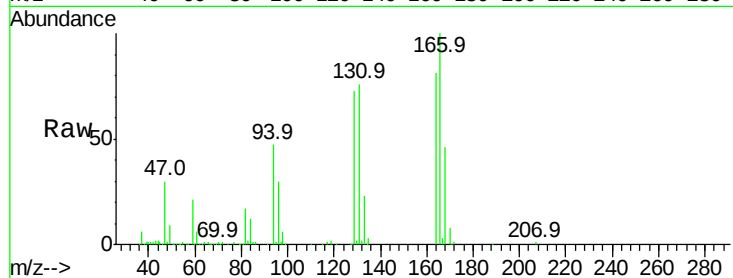
Ion Ratio Lower Upper

164 100

129 89.8 69.4 128.8

131 93.8 63.7 118.3

166 123.1 88.4 164.2

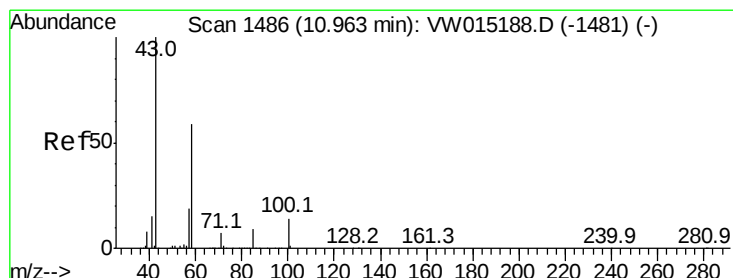
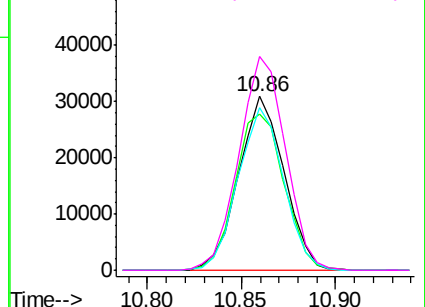
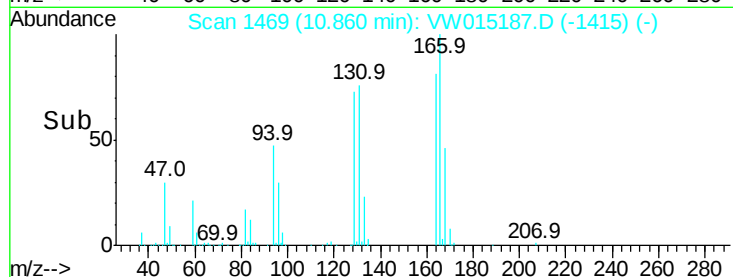


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.884 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Tgt Ion: 43 Resp: 44882

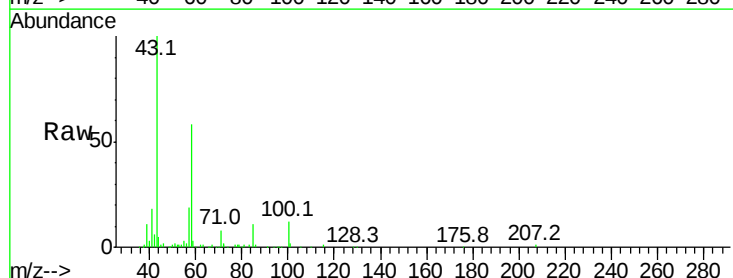
Ion Ratio Lower Upper

43 100

58 58.1 45.8 68.6

57 18.3 15.1 22.7

100 13.0 10.5 15.7

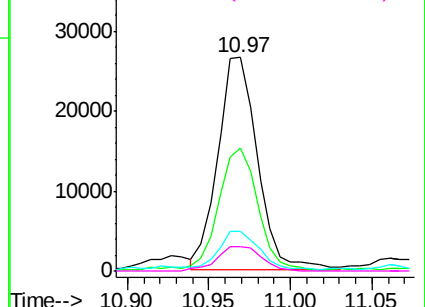
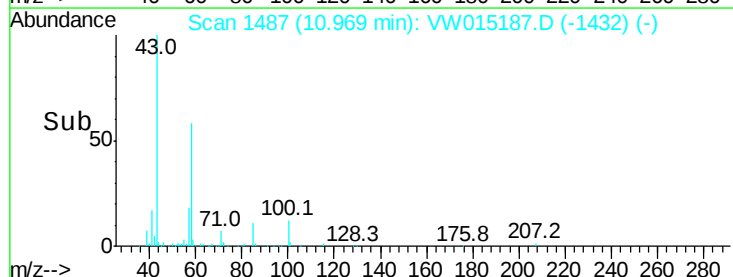


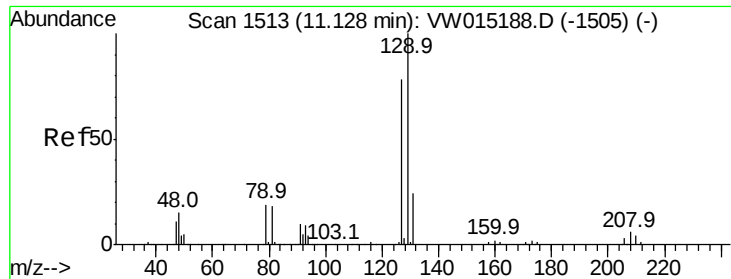
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.685 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

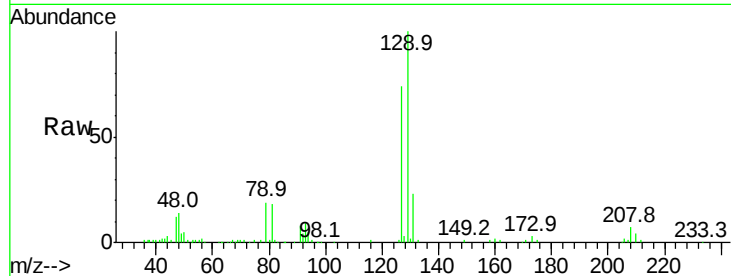
VSTD00506

Tgt Ion:129 Resp: 50268

Ion Ratio Lower Upper

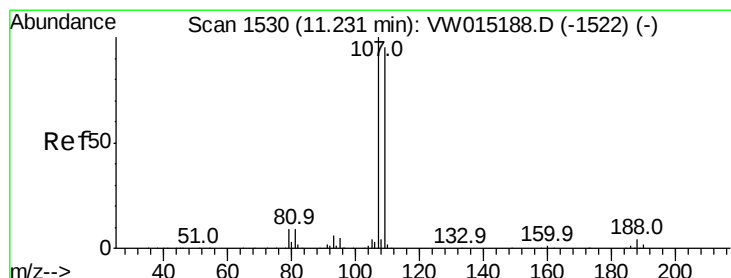
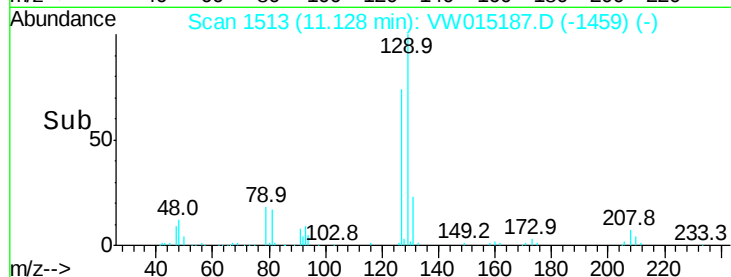
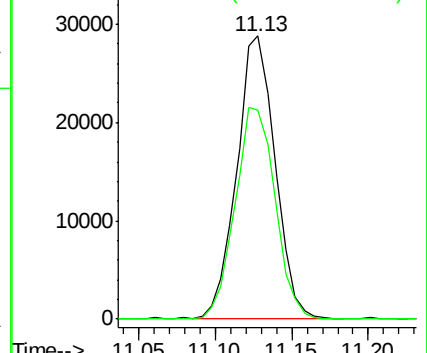
129 100

127 74.1 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.612 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

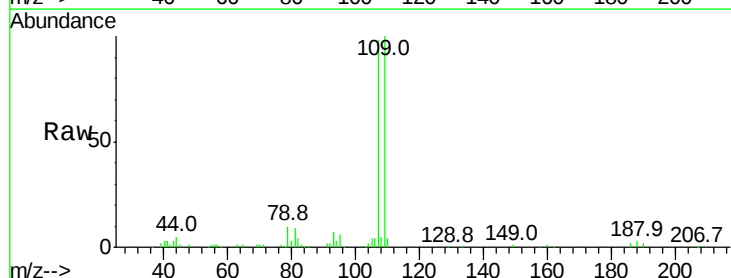
Tgt Ion:107 Resp: 39856

Ion Ratio Lower Upper

107 100

109 101.8 66.8 124.2

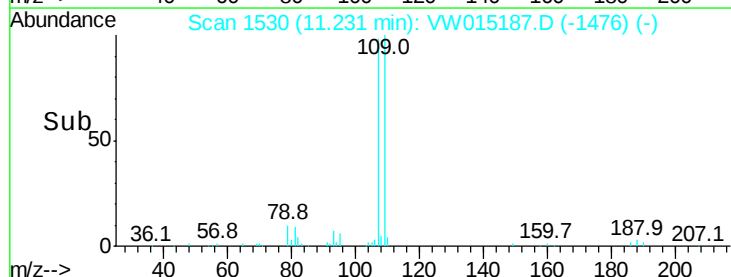
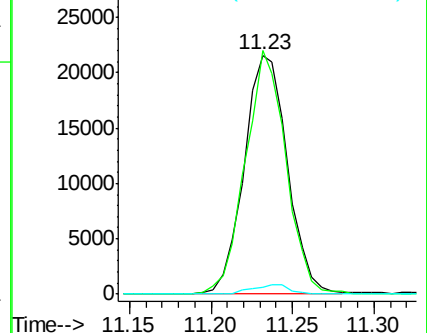
188 3.1 3.0 4.6

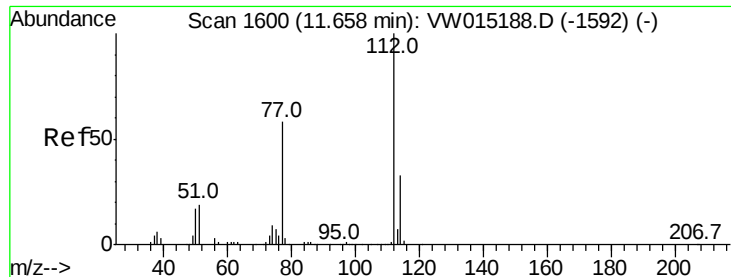


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 5.033 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

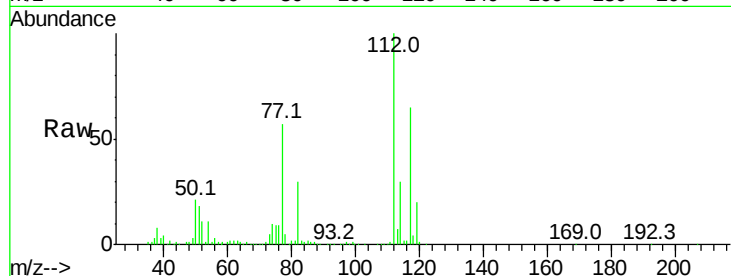
Tgt Ion: 112 Resp: 171842

Ion Ratio Lower Upper

112 100

77 57.0 46.2 69.4

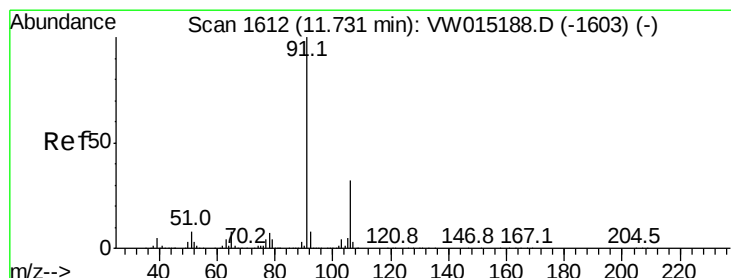
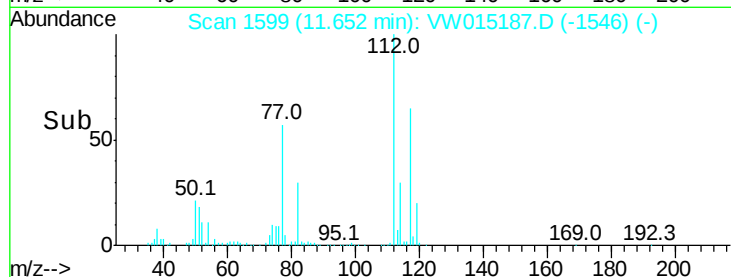
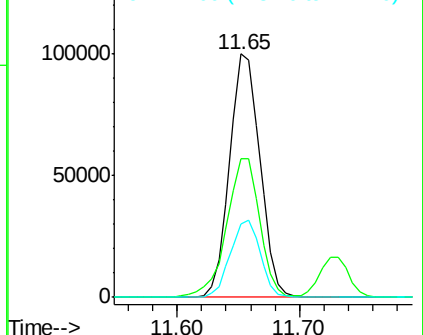
114 30.0 22.7 42.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.917 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015187.D

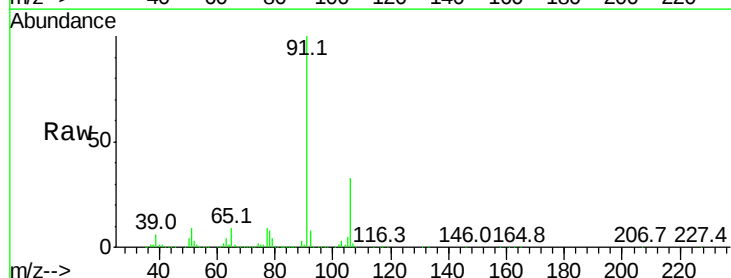
Acq: 14 Apr 2020 11:47

Tgt Ion: 91 Resp: 307353

Ion Ratio Lower Upper

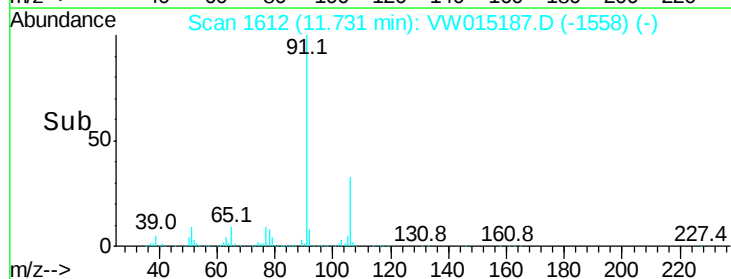
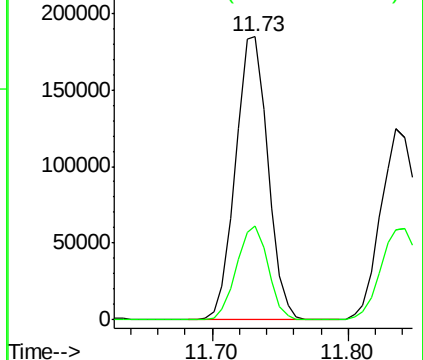
91 100

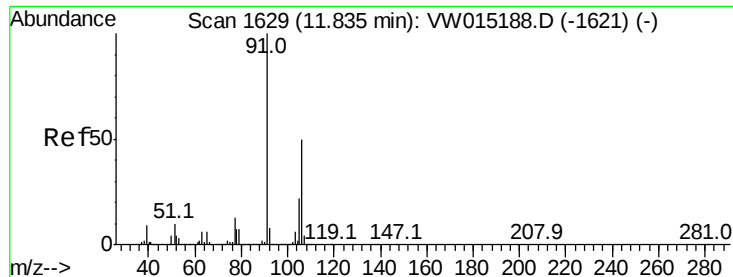
106 33.0 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.894 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampled :

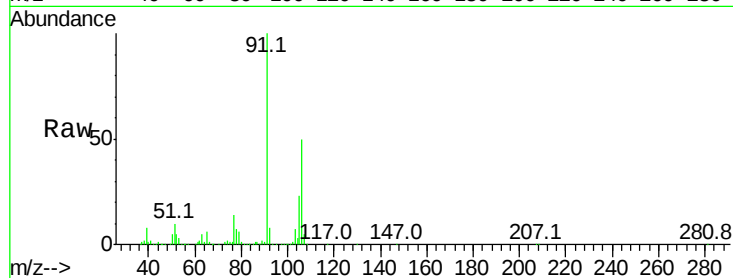
VSTD00506

Tgt Ion:106 Resp: 117331

Ion Ratio Lower Upper

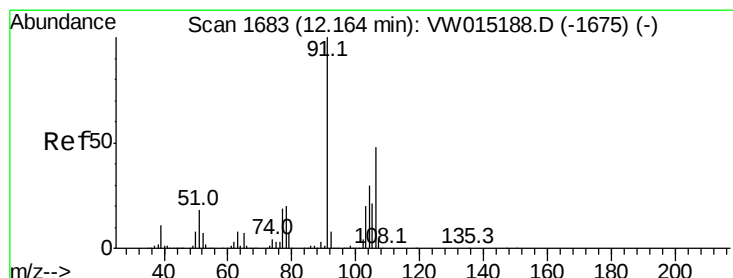
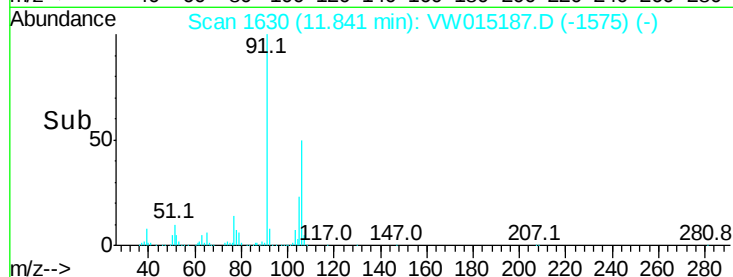
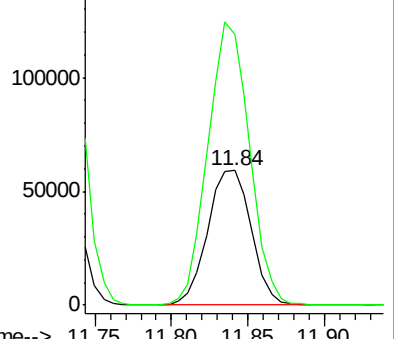
106 100

91 200.9 141.0 261.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.975 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015187.D

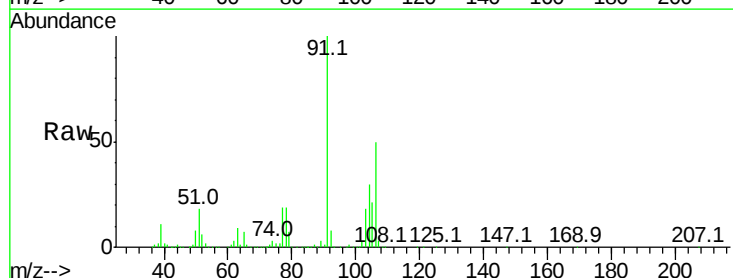
Acq: 14 Apr 2020 11:47

Tgt Ion:106 Resp: 114006

Ion Ratio Lower Upper

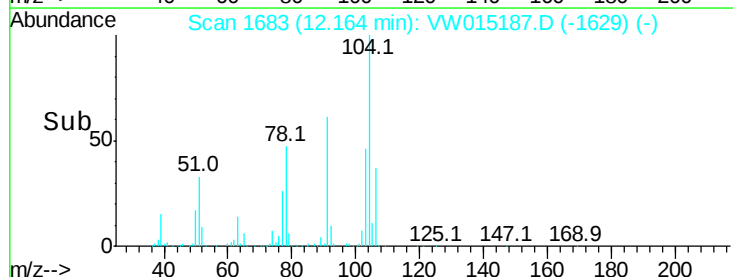
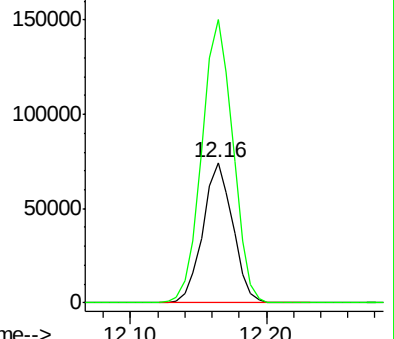
106 100

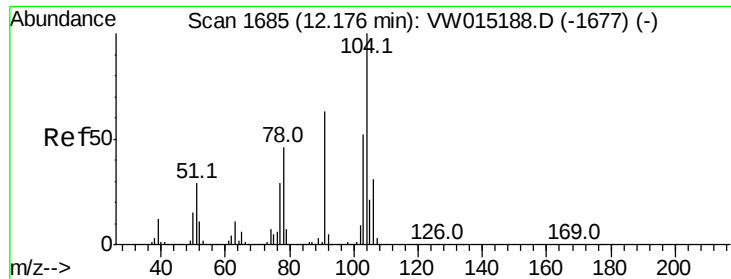
91 201.9 145.7 270.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.882 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

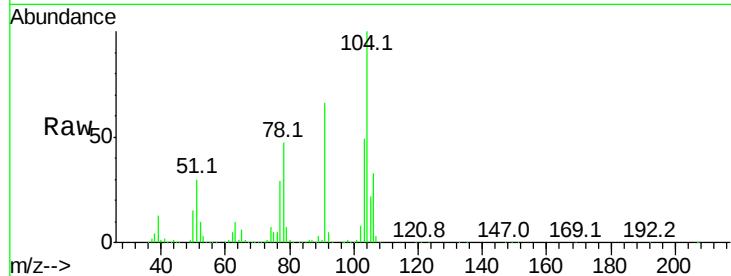
VSTD00506

Tgt Ion:104 Resp: 188152

Ion Ratio Lower Upper

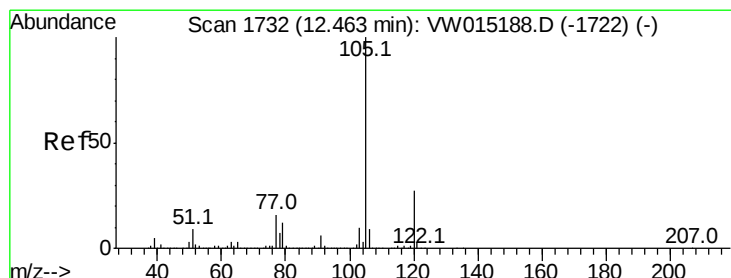
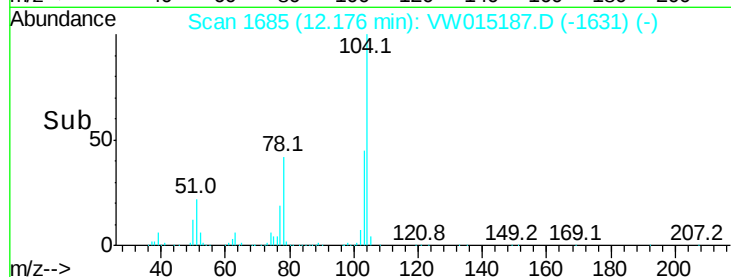
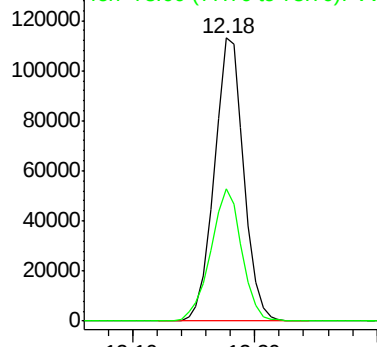
104 100

78 46.8 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: 4.895 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

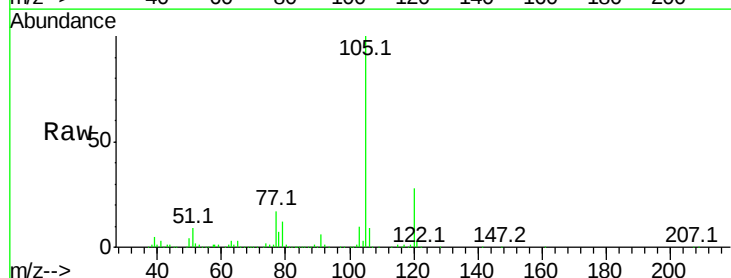
Tgt Ion:105 Resp: 302796

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

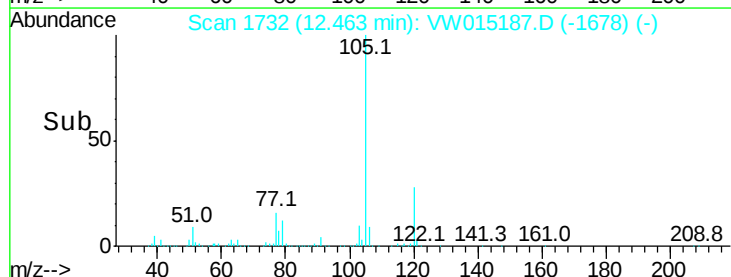
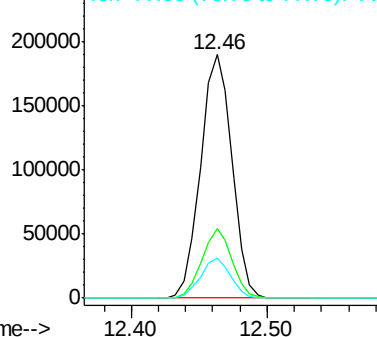
77 15.8 12.4 18.6

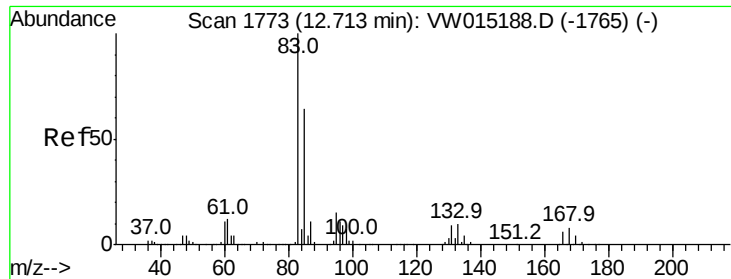


Abundance Ion 105.00 (104.70 to 105.70): V

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: 4.508 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

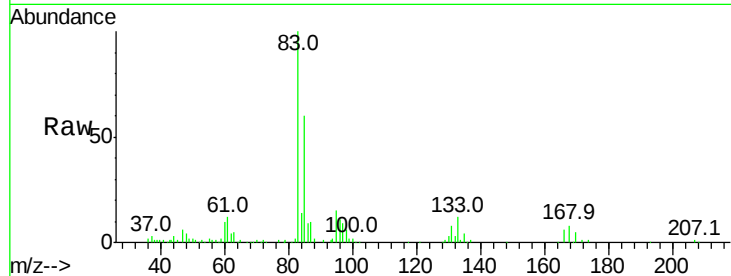
Tgt Ion: 83 Resp: 48156

Ion Ratio Lower Upper

83 100

85 59.5 44.7 83.1

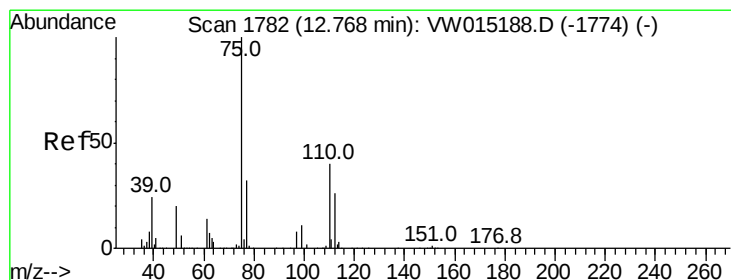
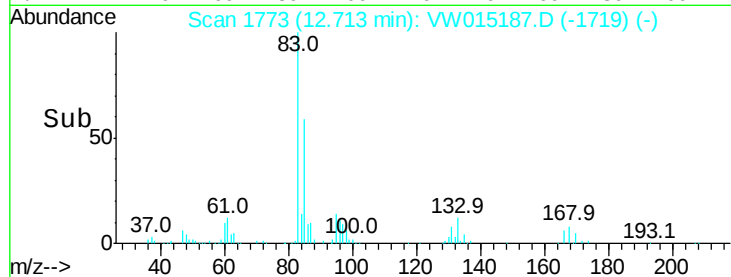
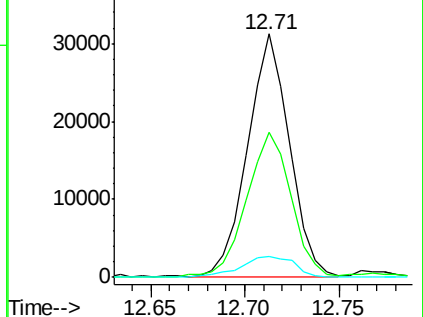
131 8.4 7.0 10.6



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): VW



#59

1,2,3-Trichloropropane

Concen: 4.575 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015187.D

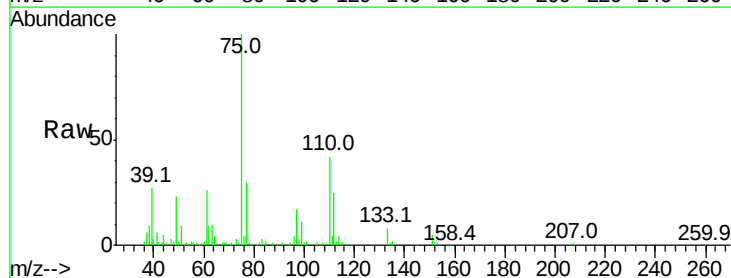
Acq: 14 Apr 2020 11:47

Tgt Ion: 75 Resp: 36117

Ion Ratio Lower Upper

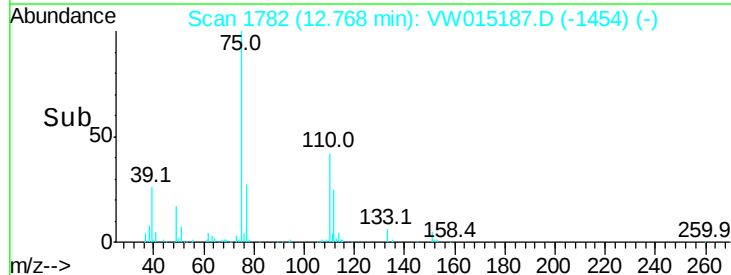
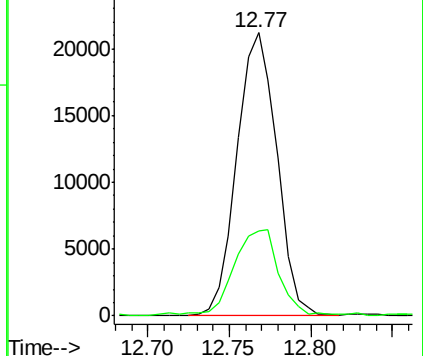
75 100

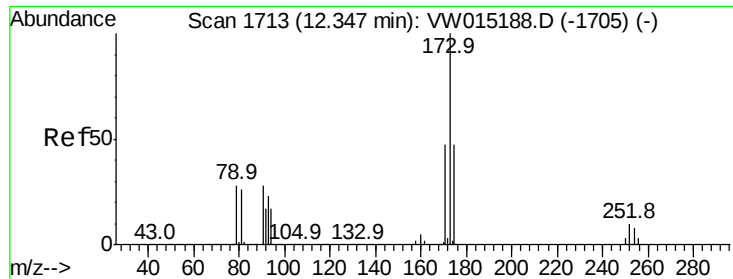
77 32.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 4.490 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

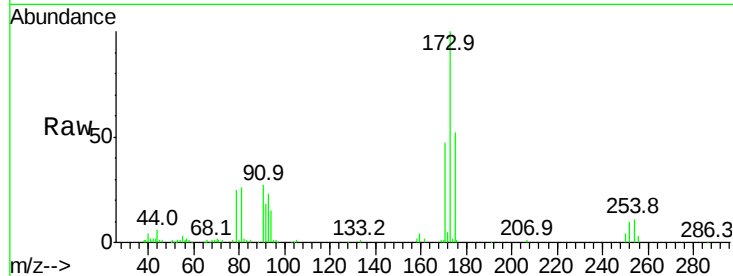
Tgt Ion:173 Resp: 27406

Ion Ratio Lower Upper

173 100

175 46.8 38.4 57.6

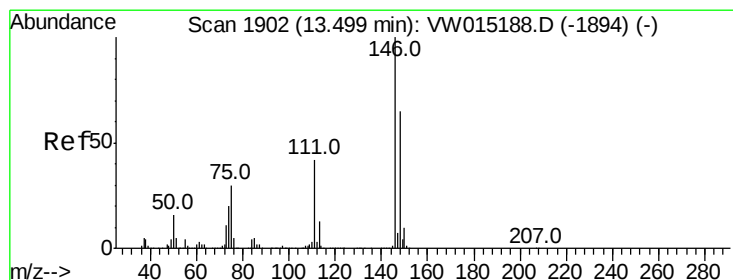
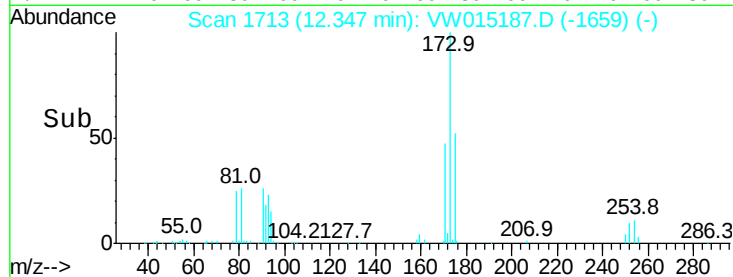
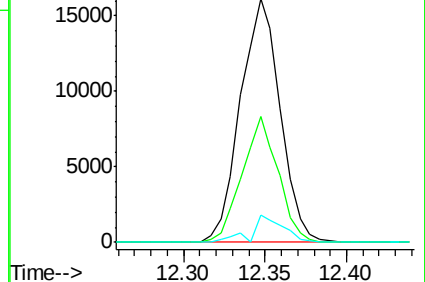
254 7.3 7.3 10.9#



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: 4.911 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

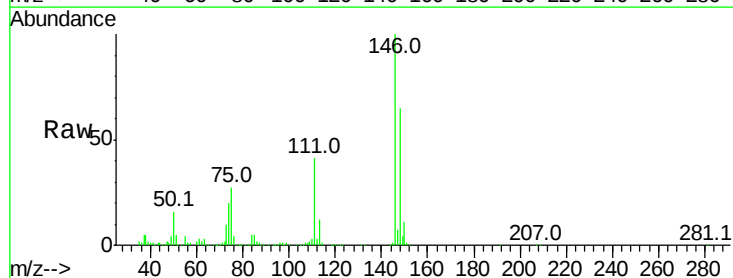
Tgt Ion:146 Resp: 123760

Ion Ratio Lower Upper

146 100

111 41.4 29.3 54.3

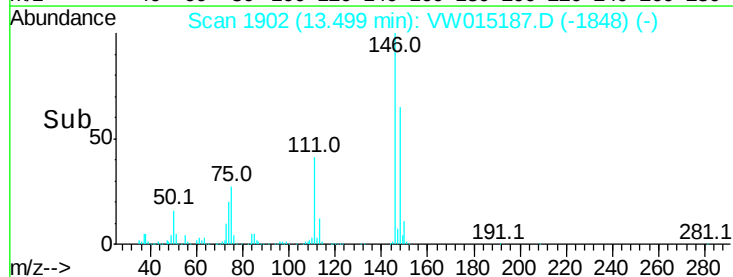
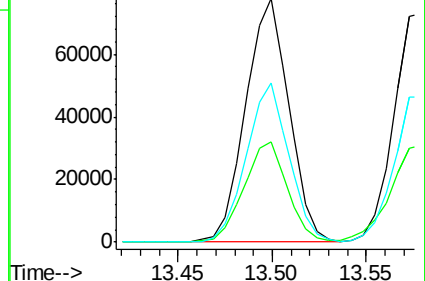
148 65.1 45.7 84.9

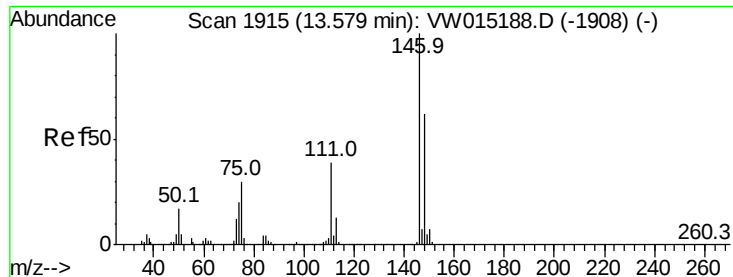


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

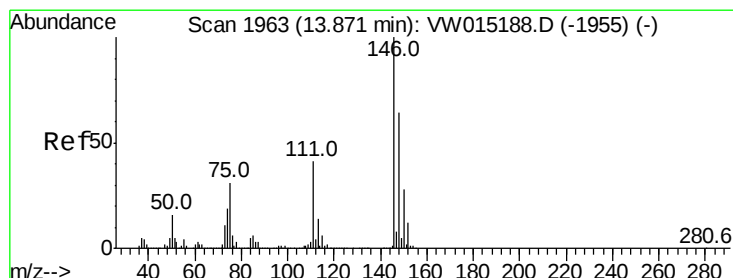
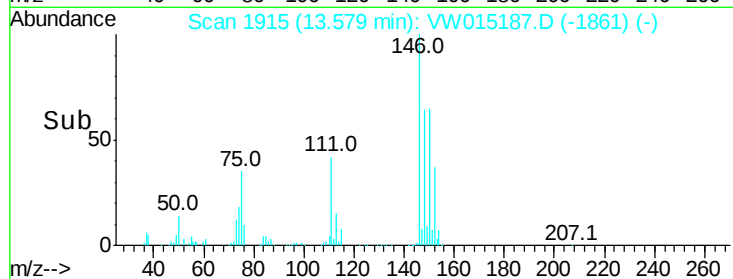
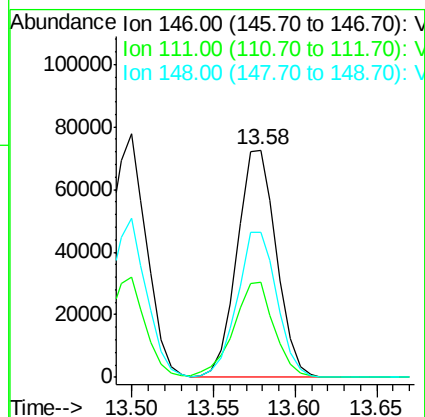
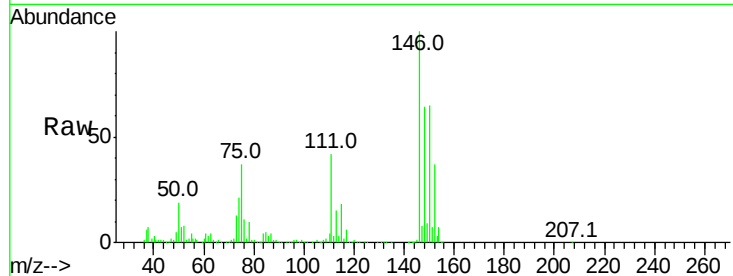




#64
1,4-Dichlorobenzene
Concen: 4.980 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

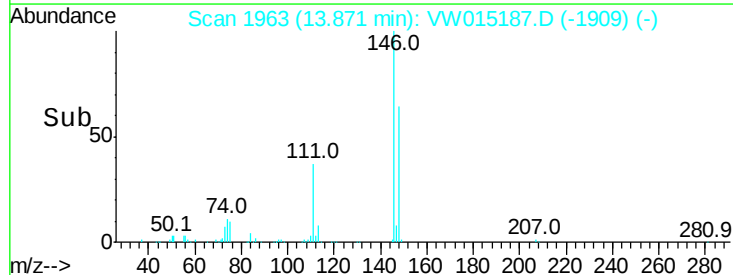
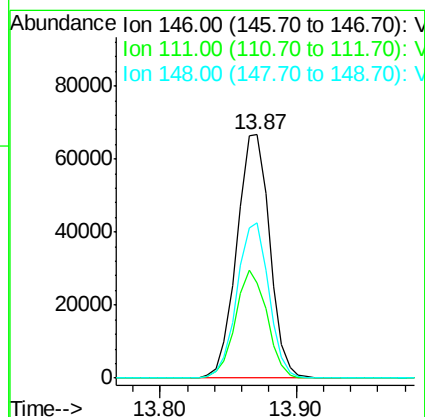
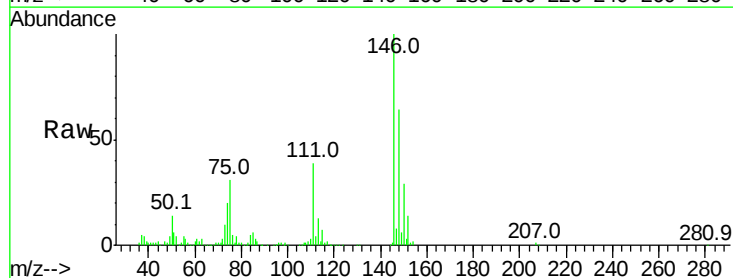
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

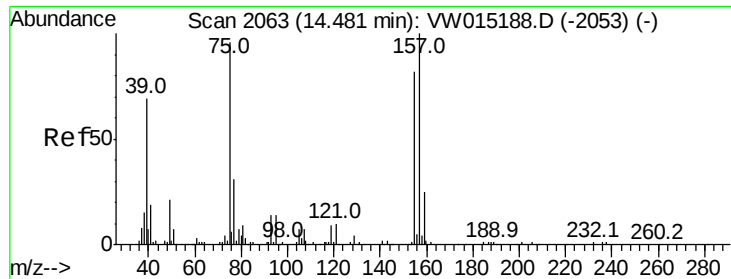
Tgt Ion:146 Resp: 121897
Ion Ratio Lower Upper
146 100
111 42.0 27.6 51.2
148 63.6 43.6 81.0



#65
1,2-Dichlorobenzene
Concen: 5.045 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW015187.D
Acq: 14 Apr 2020 11:47

Tgt Ion:146 Resp: 112891
Ion Ratio Lower Upper
146 100
111 39.0 33.0 49.4
148 64.0 51.5 77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 4.230 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

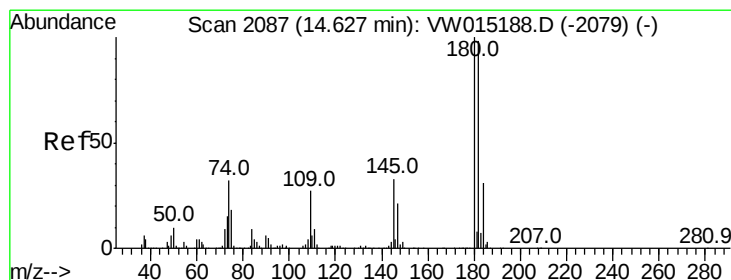
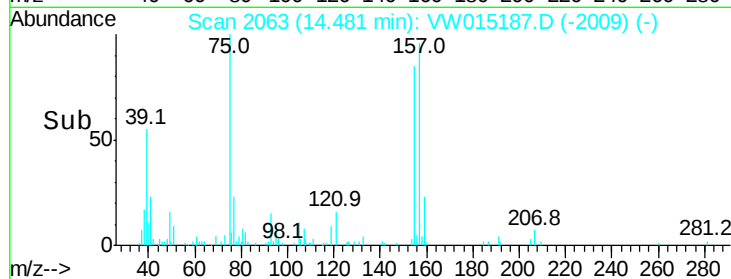
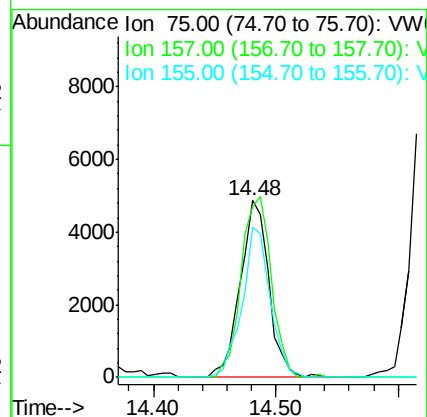
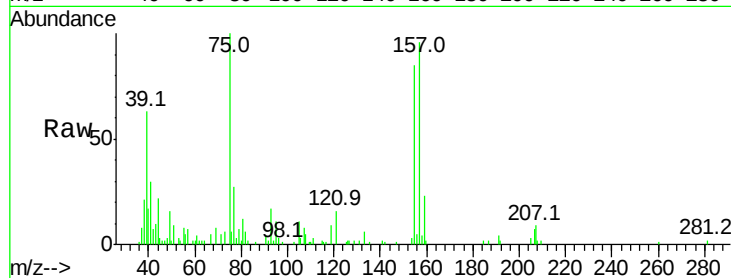
Tgt Ion: 75 Resp: 7840

Ion Ratio Lower Upper

75 100

157 96.3 83.4 125.2

155 84.9 68.7 103.1



#67

1,3,5-Trichlorobenzene

Concen: 5.010 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW015187.D

Acq: 14 Apr 2020 11:47

Tgt Ion: 180 Resp: 86917

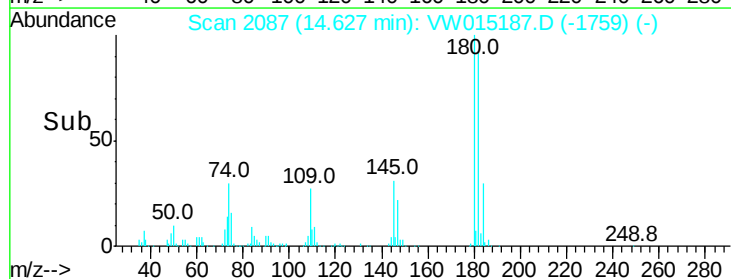
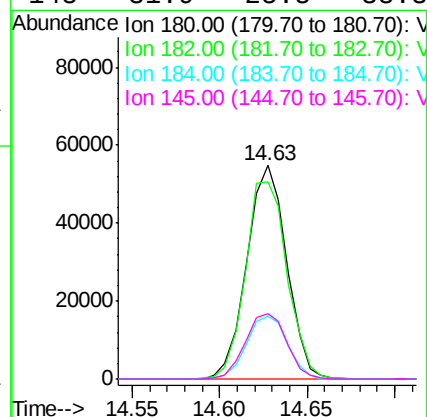
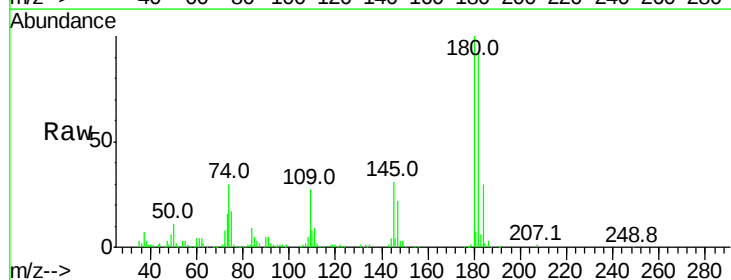
Ion Ratio Lower Upper

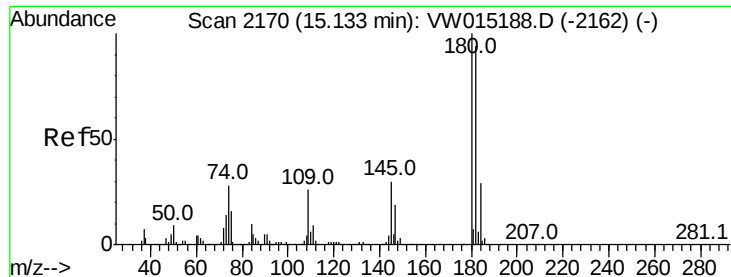
180 100

182 96.9 78.0 117.0

184 30.3 24.1 36.1

145 31.9 25.5 38.3

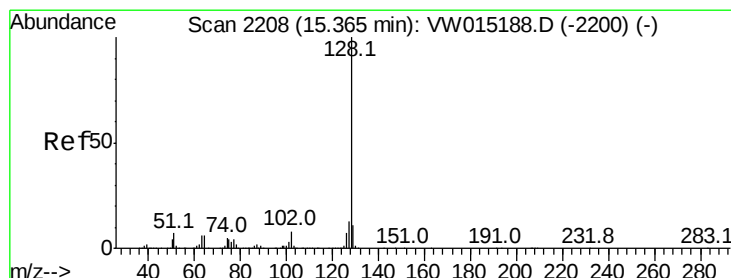
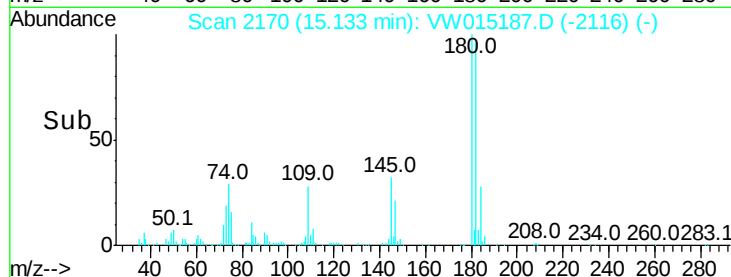
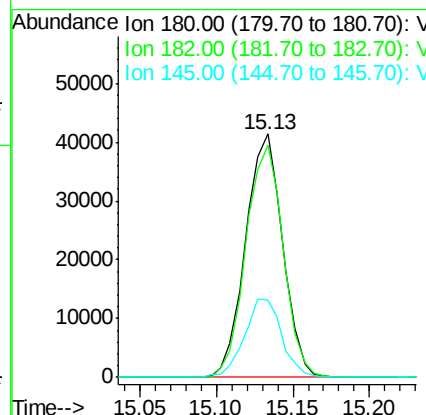
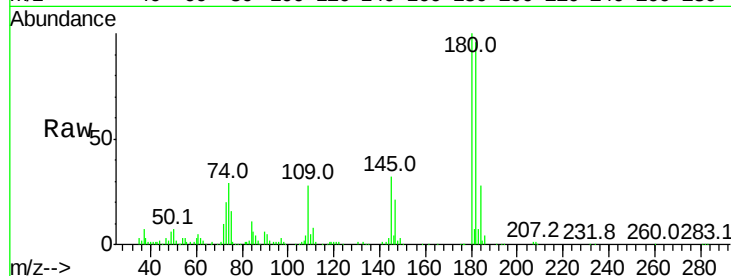




#68
 1,2,4-trichlorobenzene
 Concen: 5.036 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

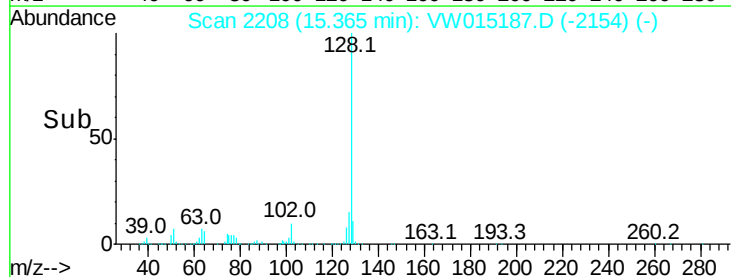
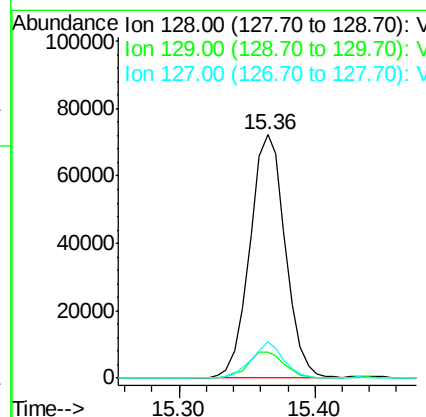
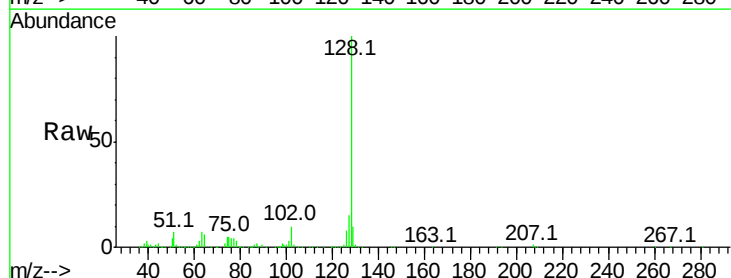
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00506

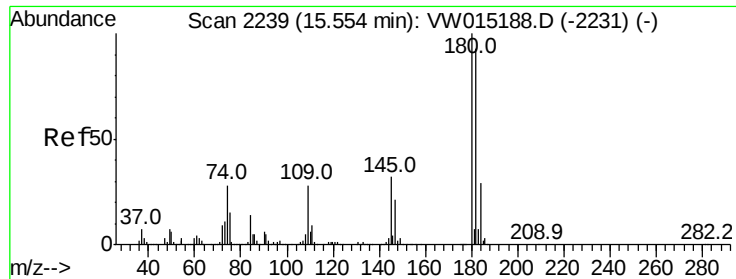
Tgt Ion:180 Resp: 69737
 Ion Ratio Lower Upper
 180 100
 182 96.1 74.6 111.8
 145 32.3 25.4 38.2



#69
 Naphthalene
 Concen: 4.759 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

Tgt Ion:128 Resp: 132031
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.7 13.1
 127 13.4 10.2 15.2

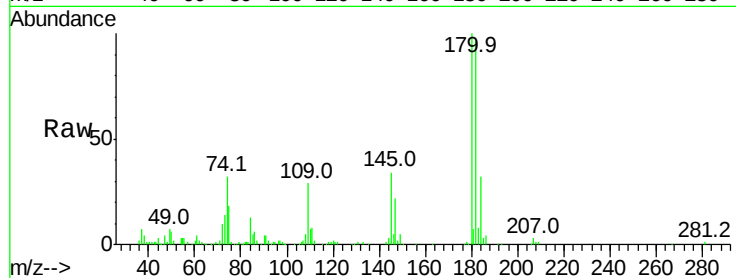




#70
 1,2,3-Trichlorobenzene
 Concen: 5.038 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW015187.D
 Acq: 14 Apr 2020 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 60739
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.6 113.4
 145 34.0 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

