

Data File : VW015359.D
Acq On : 28 Apr 2020 13:35
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Apr 28 14:29:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 28 14:27:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365790	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334091	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172725	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	9894	2.46	ug/L	0.00
7) Chloroethane-d5	2.89	69	17697	4.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	34232	4.50	ug/L	0.00
20) 2-Butanone-d5	7.08	46	10010	11.50	ug/L	0.00
24) Chloroform-d	7.65	84	43518	6.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	23220	5.42	ug/L	0.00
29) Benzene-d6	8.27	84	84641	5.68	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	23922	5.76	ug/L	0.00
37) Toluene-d8	10.32	98	86617	5.49	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	12742	5.85	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	9119	11.71	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	19957	5.69	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	32512	5.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	16774	3.261 ug/L	95
3) Chloromethane	2.21	50	13828	3.169 ug/L	97
5) Vinyl chloride	2.37	62	11302	2.212 ug/L	95
6) Bromomethane	2.78	94	16983	4.730 ug/L	99
8) Chloroethane	2.93	64	13663	4.193 ug/L	98
9) Trichlorofluoromethane	3.26	101	18628	2.399 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	20874	4.359 ug/L	95
12) 1,1-Dichloroethene	4.04	96	20020	4.646 ug/L	91
13) Acetone	4.12	43	7866	10.118 ug/L	96
14) Carbon disulfide	4.37	76	50472	3.774 ug/L	99
15) Methyl Acetate	4.67	43	7558	5.053 ug/L	98
16) Methylene chloride	4.92	84	25113	5.294 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	32796	3.180 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	23496	4.877 ug/L	100
19) 1,1-Dichloroethane	6.21	63	36639	4.962 ug/L	98
21) 2-Butanone	7.17	43	11423	10.592 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	25195	4.990 ug/L	99
23) Bromochloromethane	7.51	128	11959	5.106 ug/L	97
25) Chloroform	7.67	83	41204	4.236 ug/L	99
27) 1,2-Dichloroethane	8.40	62	26666	5.071 ug/L	100
30) Cyclohexane	7.95	56	33124	4.977 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	36446	4.683 ug/L	99
32) Carbon tetrachloride	8.07	117	34372	4.944 ug/L	100
34) Benzene	8.32	78	88145	5.271 ug/L	100
35) Trichloroethene	9.09	95	25455	5.246 ug/L	100
36) Methylcyclohexane	9.33	83	44017	5.348 ug/L	100
40) 1,2-Dichloropropane	9.37	63	19963	5.247 ug/L	99
41) Bromodichloromethane	9.64	83	30843	5.232 ug/L	# 98
42) cis-1,3-Dichloropropene	10.07	75	34842	5.120 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	29565	14.106 ug/L	100

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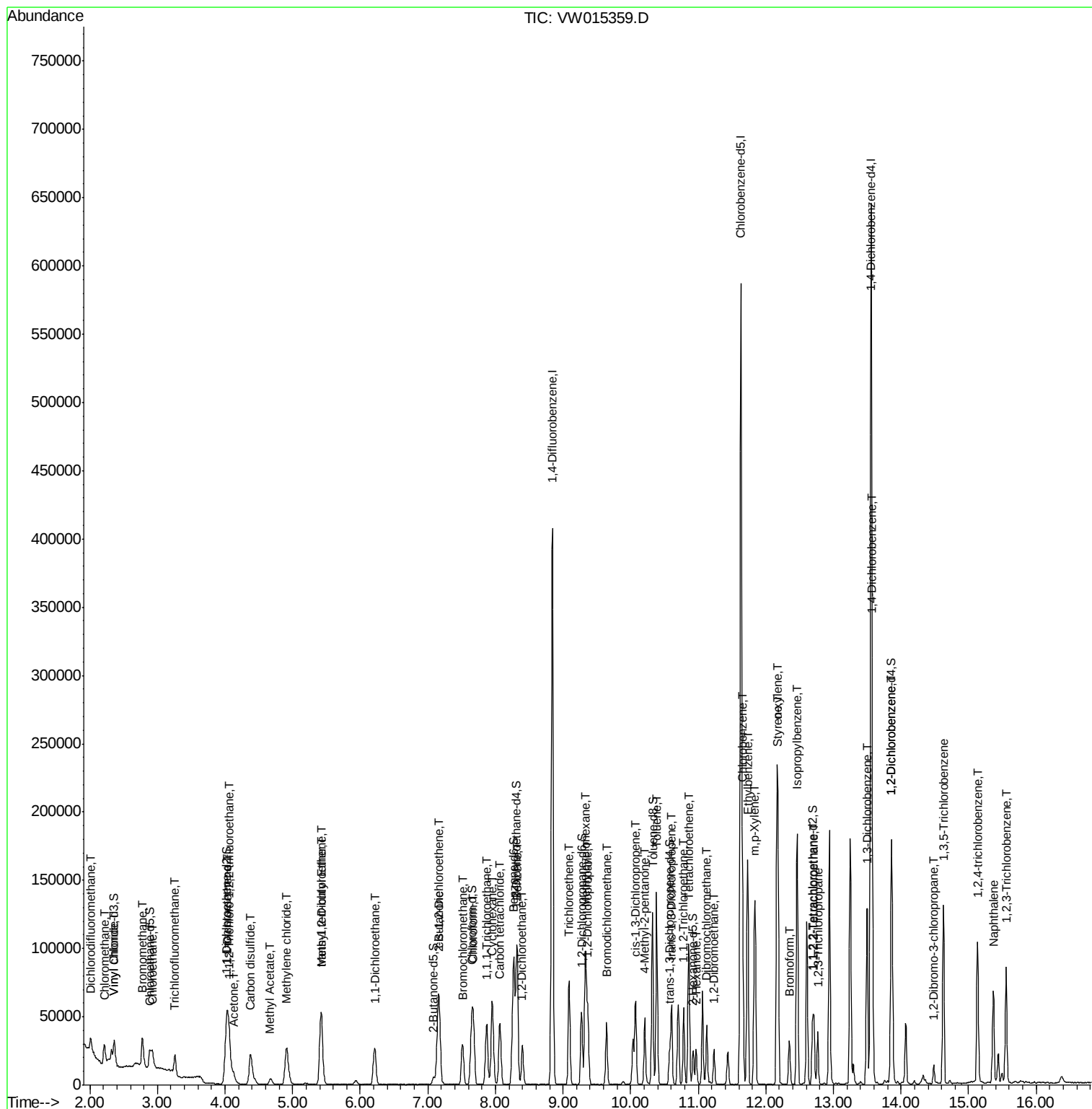
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	105553	5.279	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	31172	5.193	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	18020	5.535	ug/L	97
47) Tetrachloroethene	10.86	164	24173	5.302	ug/L	96
49) 2-Hexanone	10.97	43	15647	10.170	ug/L	100
50) Dibromochloromethane	11.13	129	22987	5.297	ug/L	97
51) 1,2-Dibromoethane	11.23	107	17796	5.474	ug/L	96
52) Chlorobenzene	11.66	112	70215	5.220	ug/L	98
53) Ethylbenzene	11.73	91	118729	5.056	ug/L	100
54) m,p-Xylene	11.84	106	46714	4.962	ug/L	99
55) o-xylene	12.16	106	44227	4.957	ug/L	93
56) Styrene	12.18	104	73739	4.858	ug/L	99
57) Isopropylbenzene	12.46	105	122377	4.969	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	19942	5.577	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	14983	5.523	ug/L	98
62) Bromoform	12.35	173	14538	5.433	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	57575	5.147	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	57727	5.228	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	49602	4.956	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	3562	5.352	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	42027	5.035	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	35599	5.353	ug/L	98
69) Naphthalene	15.36	128	61024	5.437	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	31482	5.499	ug/L	99

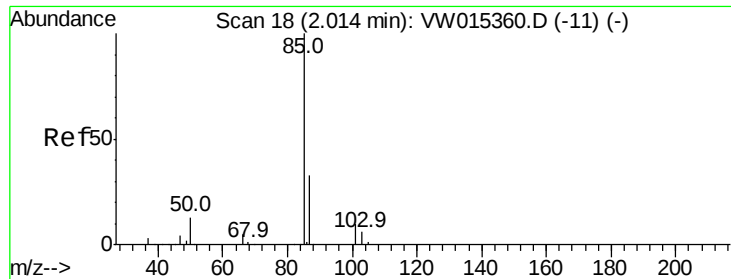
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.261 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

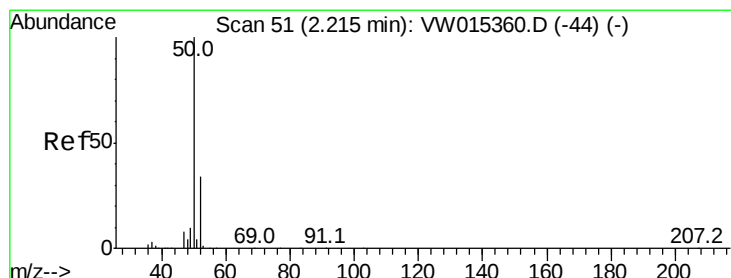
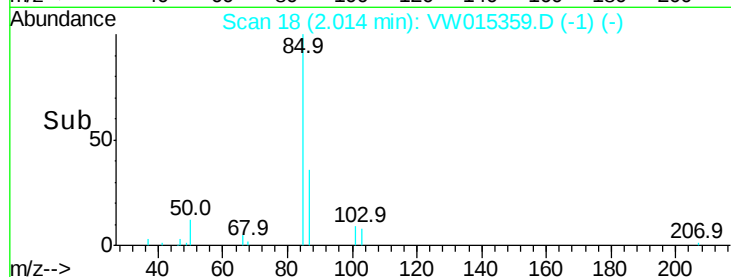
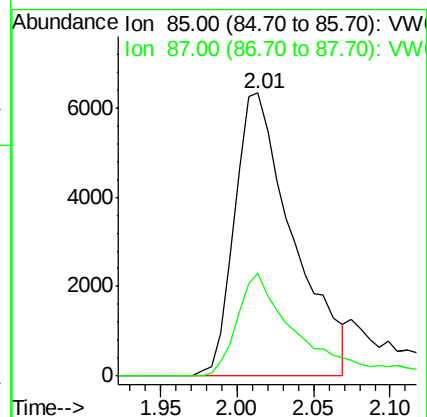
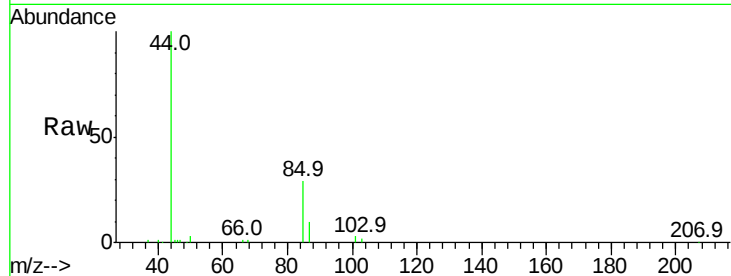
VSTD00502

Tgt Ion: 85 Resp: 16774

Ion Ratio Lower Upper

85 100

87 35.2 22.5 41.9



#3

Chloromethane

Concen: 3.169 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015359.D

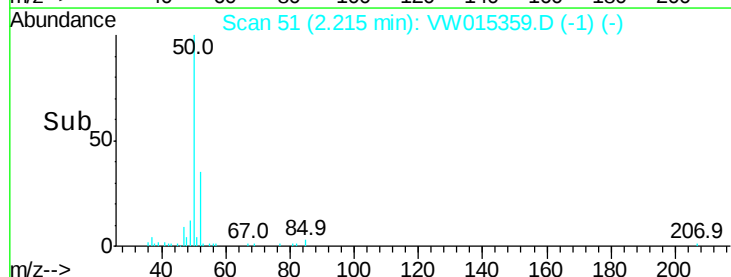
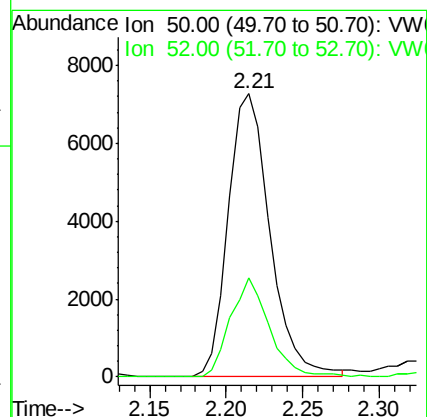
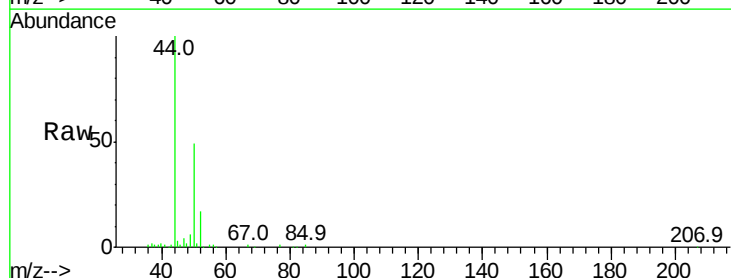
Acq: 28 Apr 2020 13:35

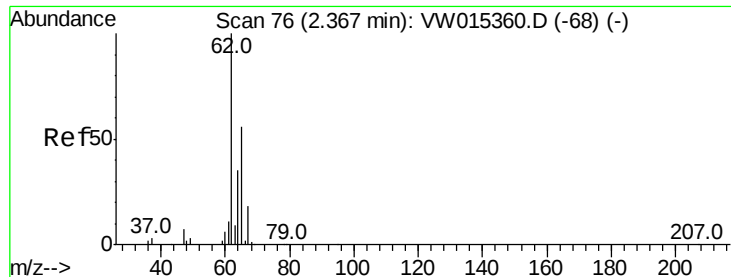
Tgt Ion: 50 Resp: 13828

Ion Ratio Lower Upper

50 100

52 35.1 23.6 43.8





#5

Vinyl chloride

Concen: 2.212 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

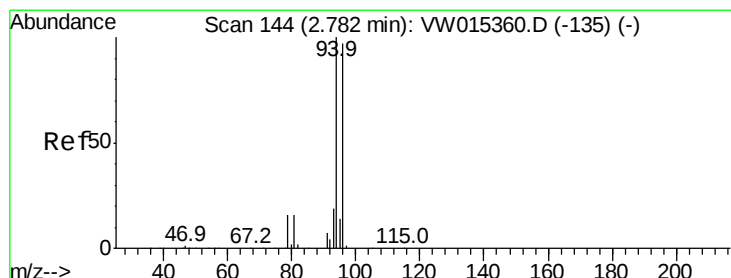
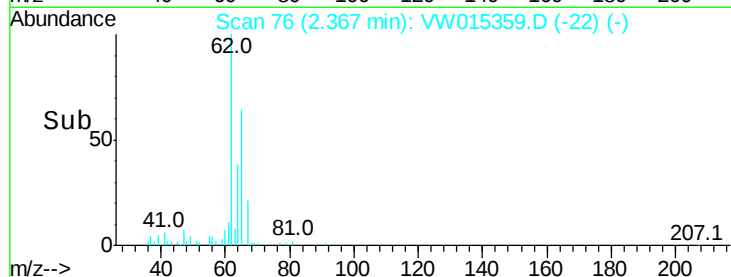
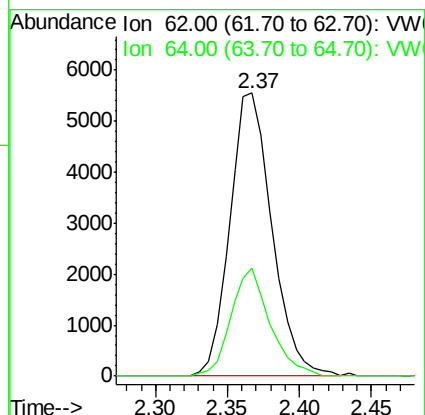
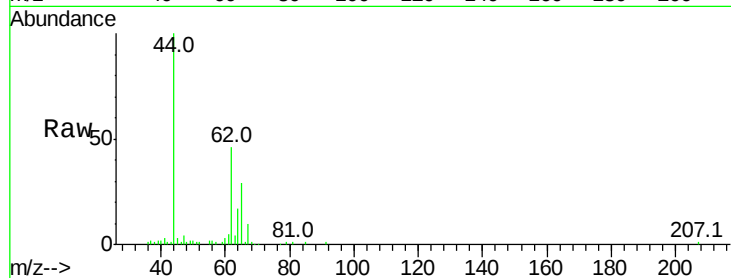
VSTD00502

Tgt Ion: 62 Resp: 11302

Ion Ratio Lower Upper

62 100

64 38.1 24.6 45.8



#6

Bromomethane

Concen: 4.730 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015359.D

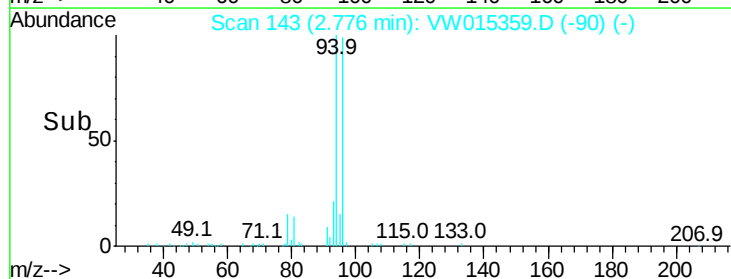
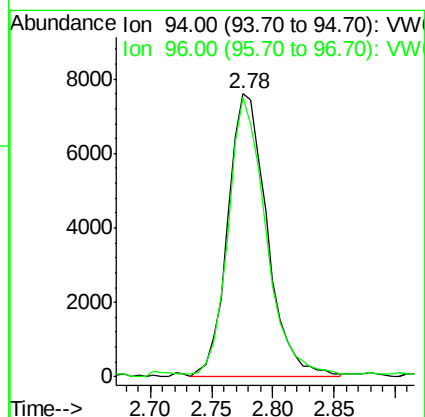
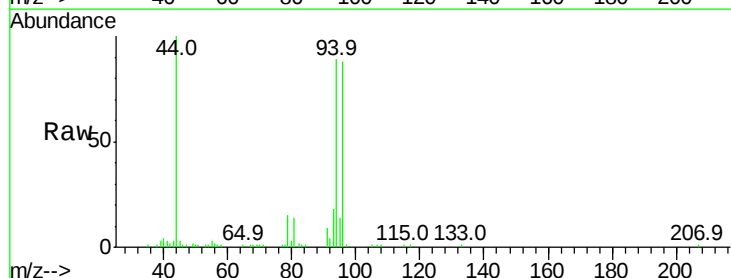
Acq: 28 Apr 2020 13:35

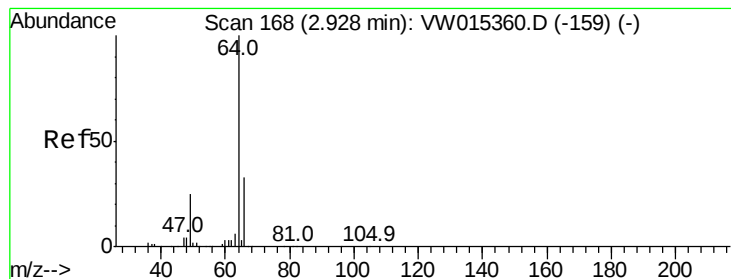
Tgt Ion: 94 Resp: 16983

Ion Ratio Lower Upper

94 100

96 94.2 9.5 180.1





#8

Chloroethane

Concen: 4.193 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

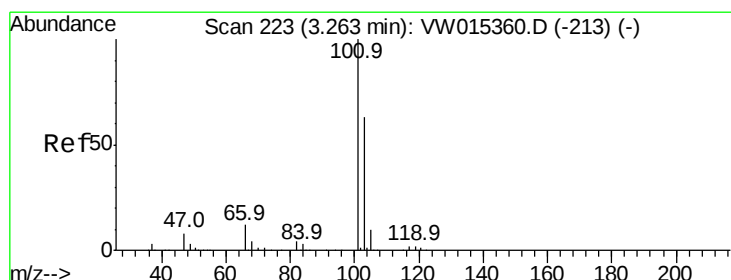
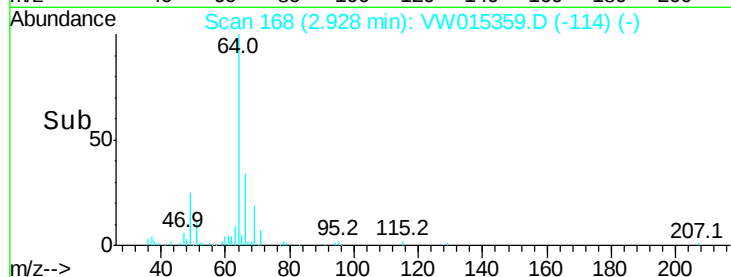
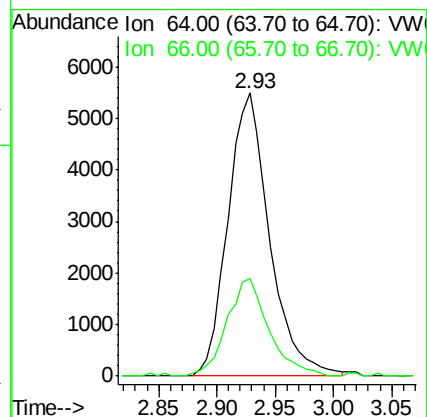
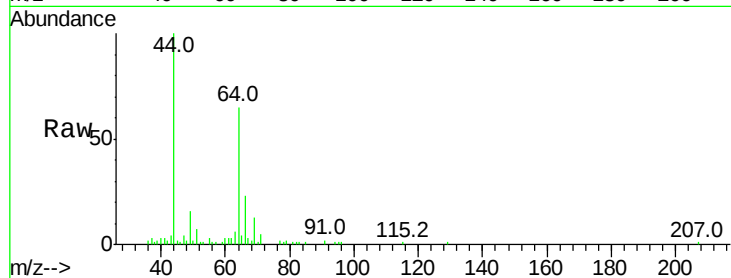
VSTD00502

Tgt Ion: 64 Resp: 13663

Ion Ratio Lower Upper

64 100

66 34.5 23.5 43.7



#9

Trichlorofluoromethane

Concen: 2.399 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015359.D

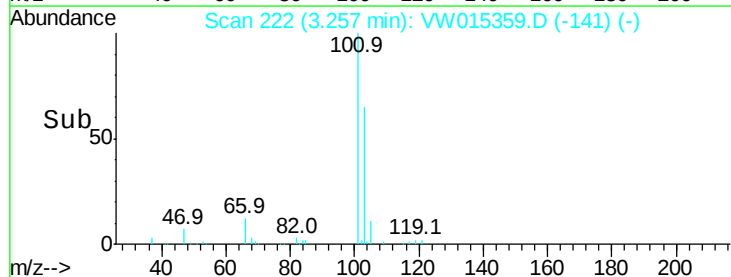
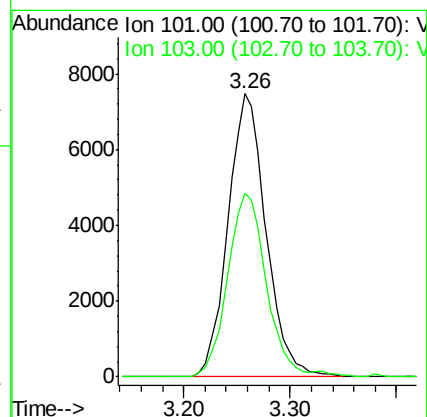
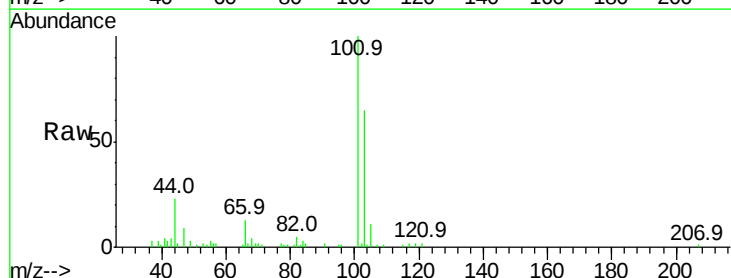
Acq: 28 Apr 2020 13:35

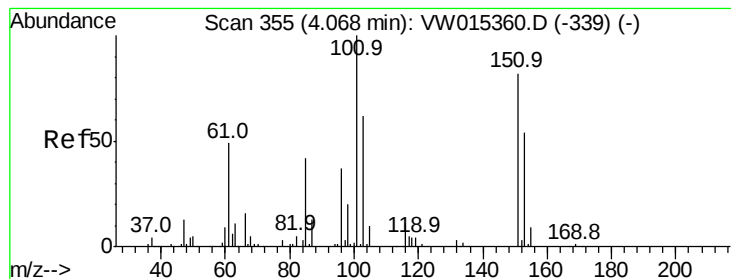
Tgt Ion: 101 Resp: 18628

Ion Ratio Lower Upper

101 100

103 65.3 45.4 84.4





#11

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

Concen: 4.359 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

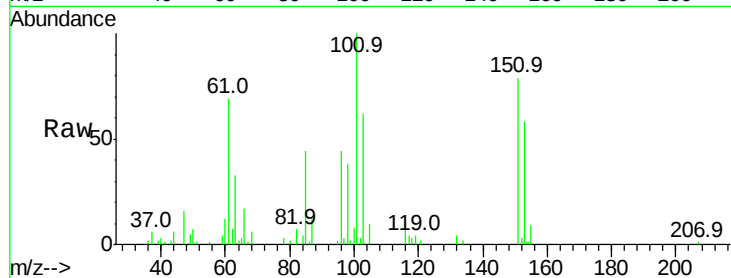
Tgt Ion:101 Resp: 20874

Ion Ratio Lower Upper

101 100

85 46.0 32.5 48.7

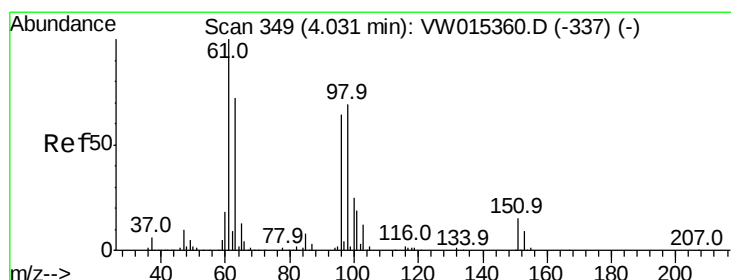
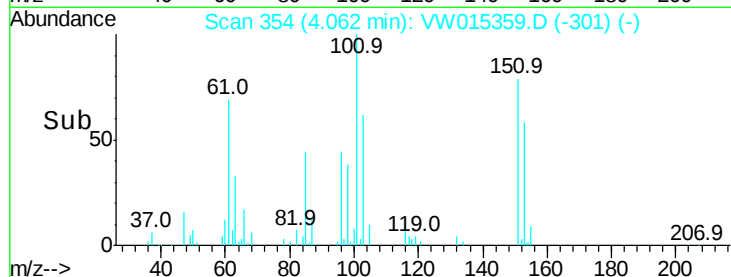
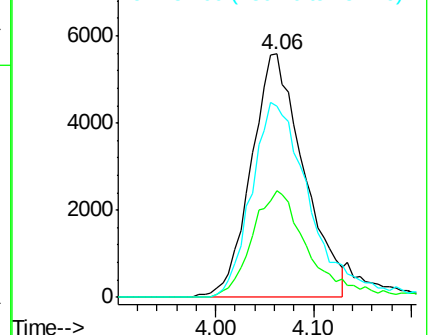
151 82.0 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.646 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

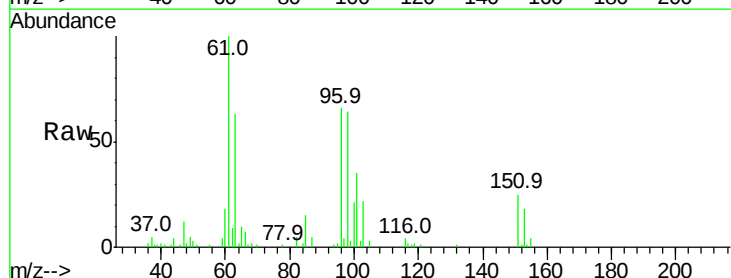
Tgt Ion: 96 Resp: 20020

Ion Ratio Lower Upper

96 100

61 150.5 109.1 202.7

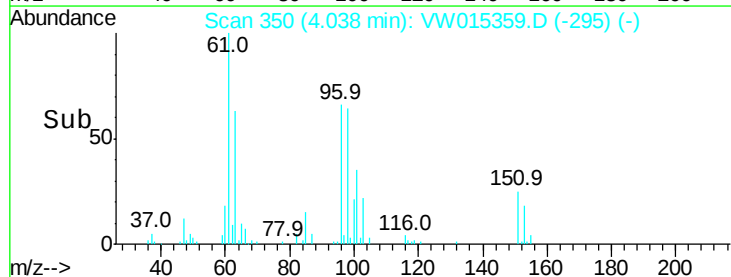
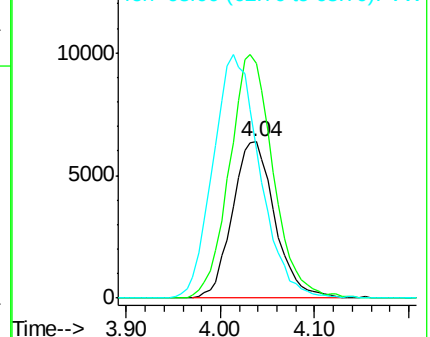
63 95.1 79.2 147.2

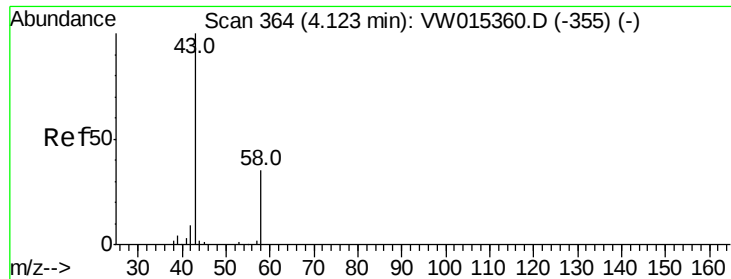


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.118 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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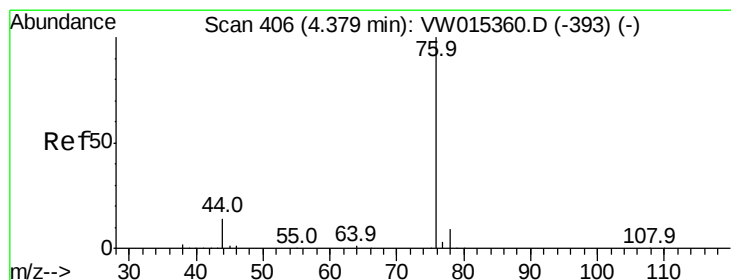
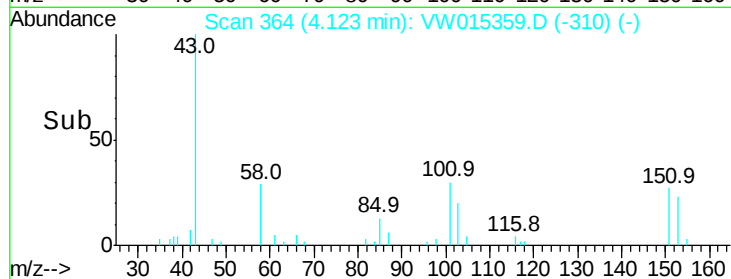
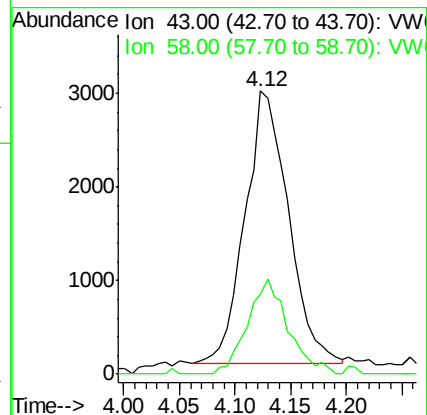
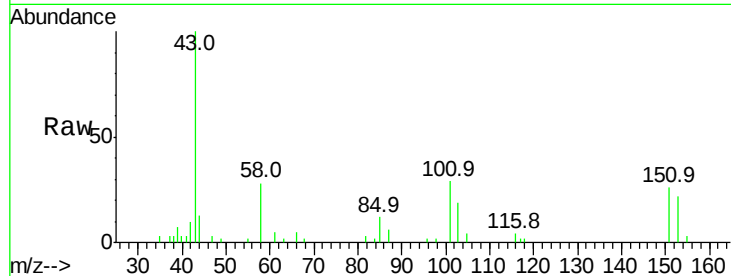
VSTD00502

Tgt Ion: 43 Resp: 7866

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.0



#14

Carbon disulfide

Concen: 3.774 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015359.D

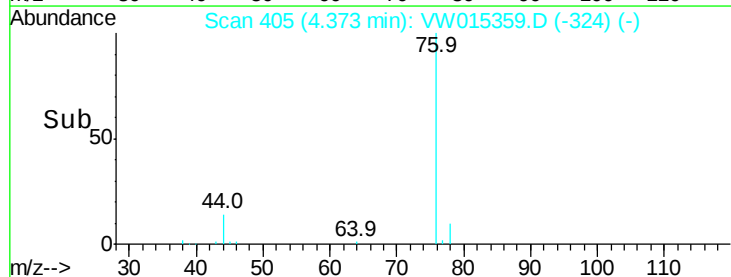
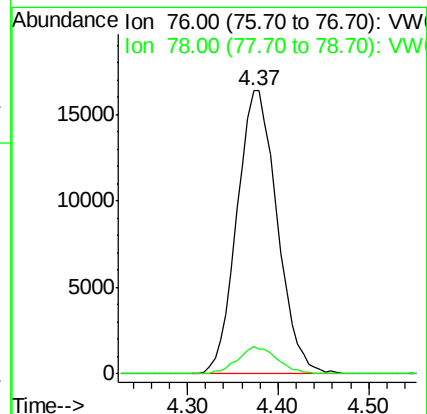
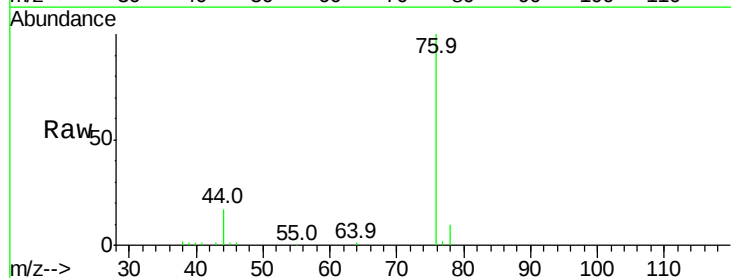
Acq: 28 Apr 2020 13:35

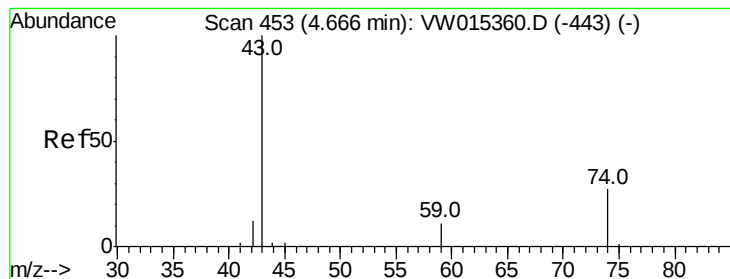
Tgt Ion: 76 Resp: 50472

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#15

Methyl Acetate

Concen: 5.053 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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ClientSampleId :

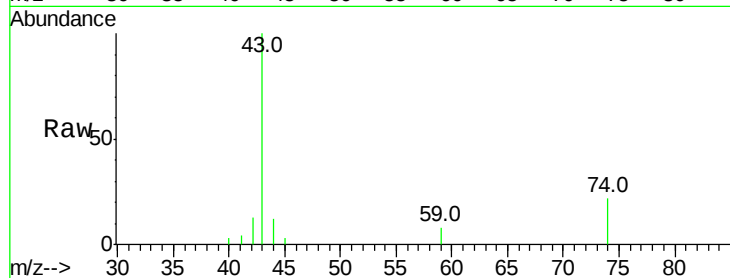
VSTD00502

Tgt Ion: 43 Resp: 7558

Ion Ratio Lower Upper

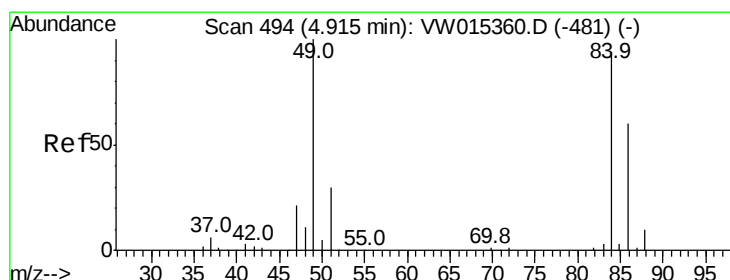
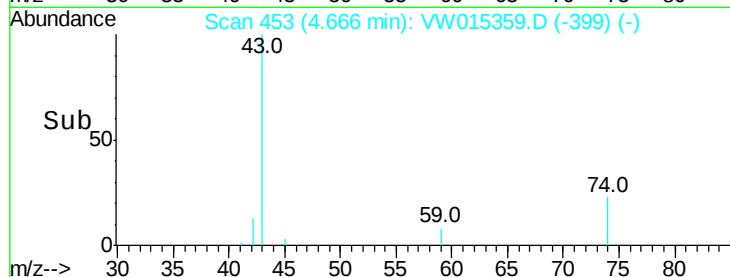
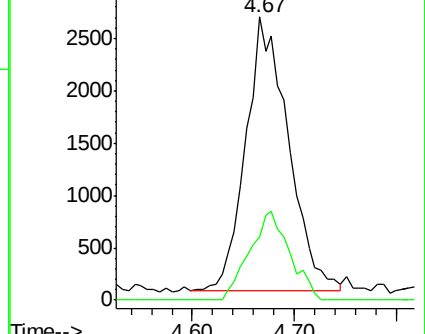
43 100

74 30.7 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 5.294 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

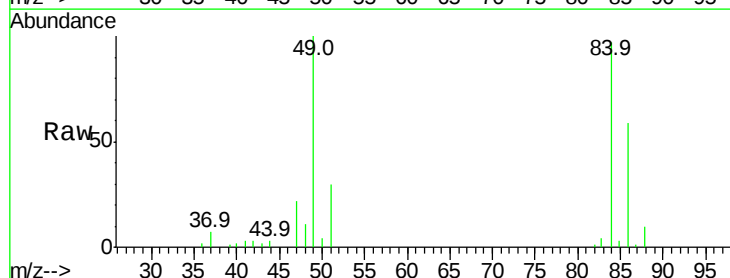
Tgt Ion: 84 Resp: 25113

Ion Ratio Lower Upper

84 100

49 103.4 74.6 138.6

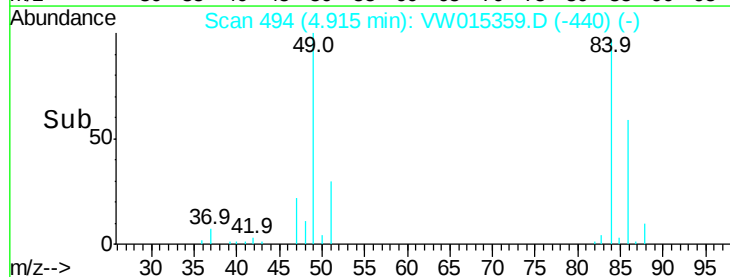
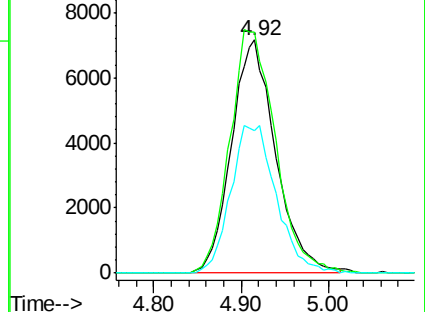
86 61.0 44.6 82.8

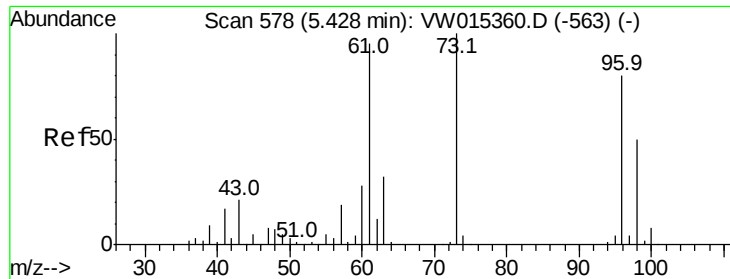


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

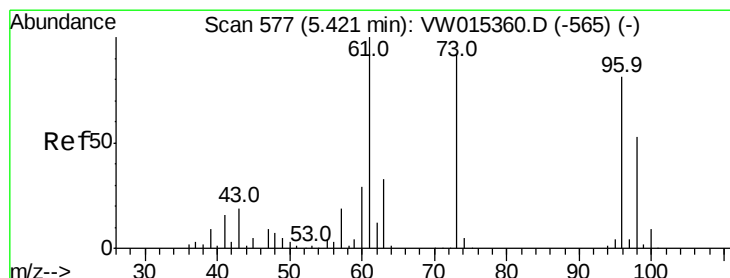
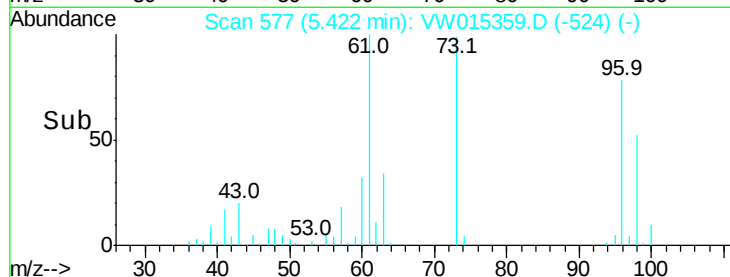
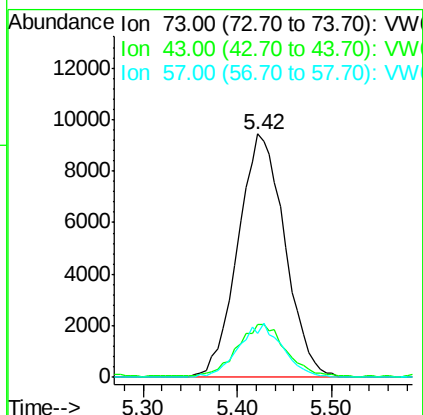
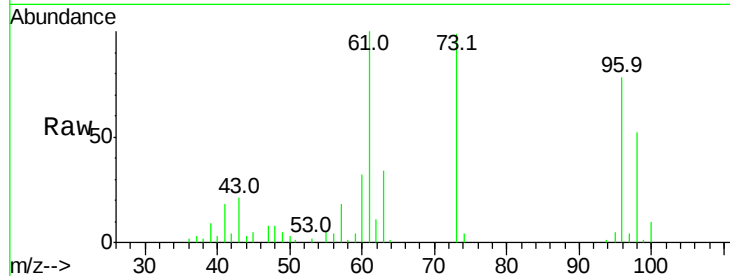




#17
Methyl tert-butyl Ether
Concen: 3.180 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

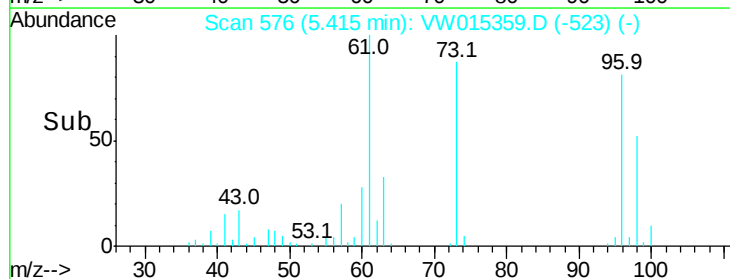
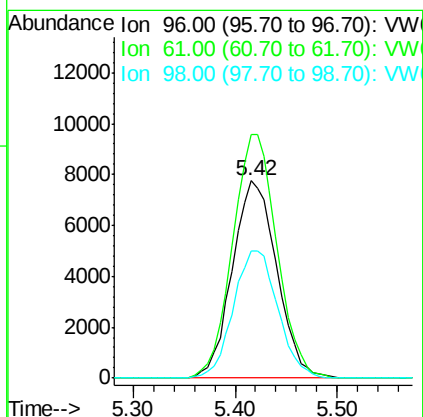
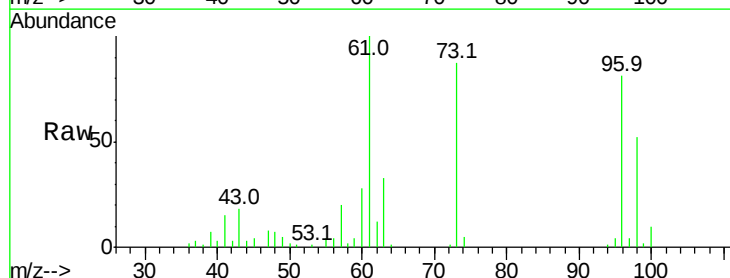
Instrument :
MSVOA_W
ClientSampled :
VSTD00502

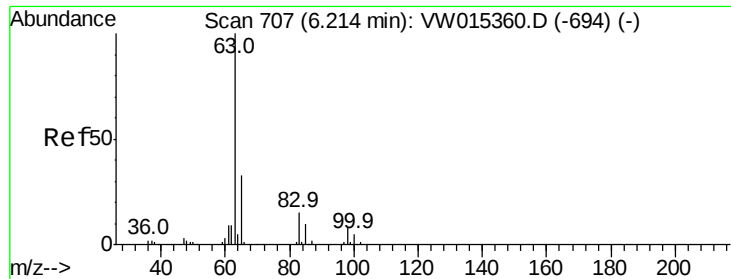
Tgt Ion: 73 Resp: 32796
Ion Ratio Lower Upper
73 100
43 23.2 16.7 25.1
57 20.8 15.9 23.9



#18
trans-1,2-Dichloroethene
Concen: 4.877 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

Tgt Ion: 96 Resp: 23496
Ion Ratio Lower Upper
96 100
61 123.4 86.4 160.4
98 64.4 45.3 84.1

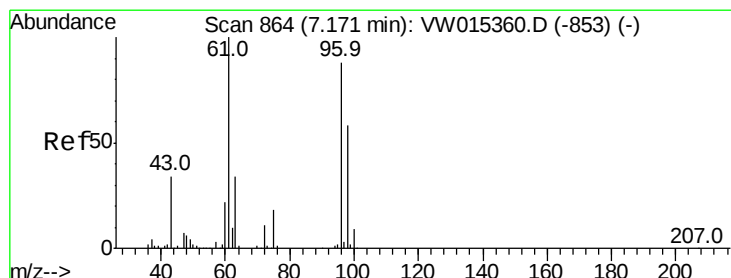
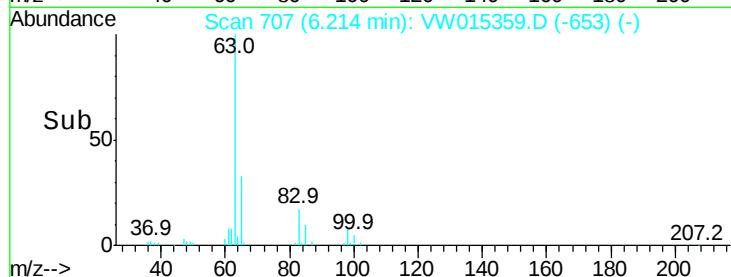
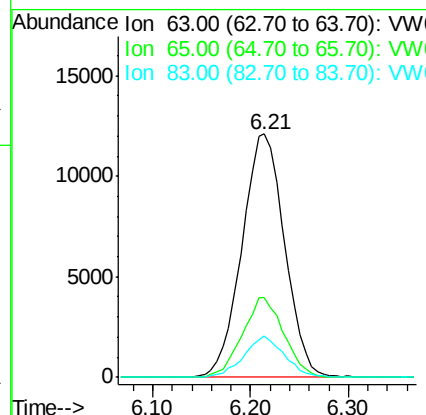
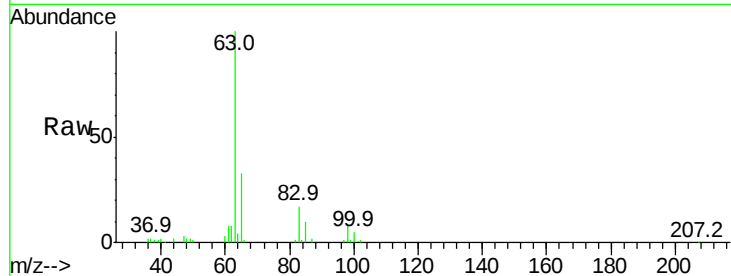




#19
 1,1-Dichloroethane
 Concen: 4.962 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

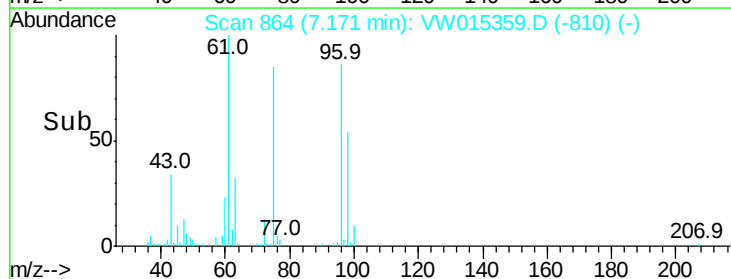
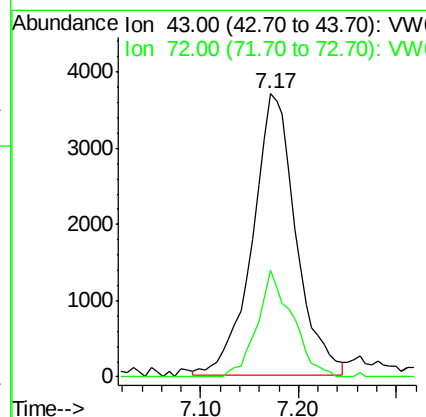
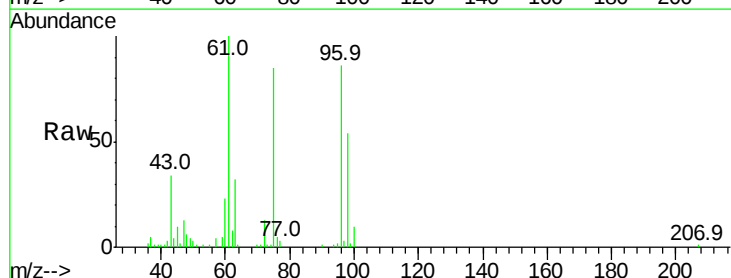
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

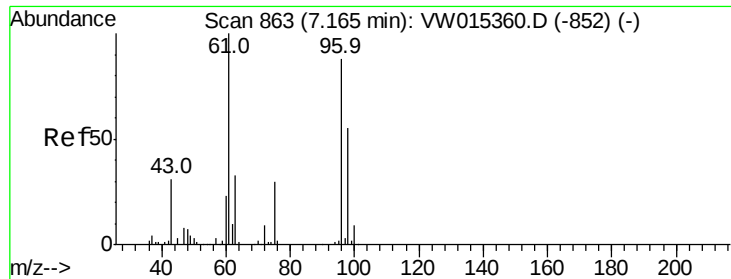
Tgt Ion: 63 Resp: 36639
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.2 43.0
 83 16.9 10.4 19.4



#21
 2-Butanone
 Concen: 10.592 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Tgt Ion: 43 Resp: 11423
 Ion Ratio Lower Upper
 43 100
 72 30.6 16.0 47.9



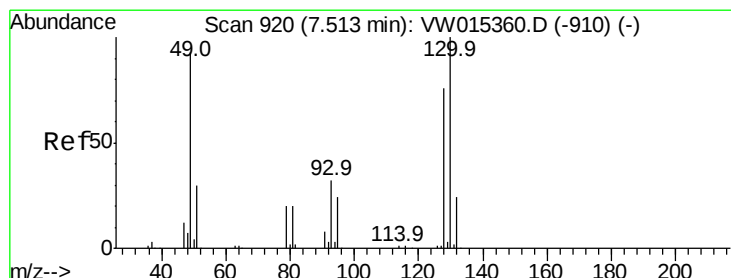
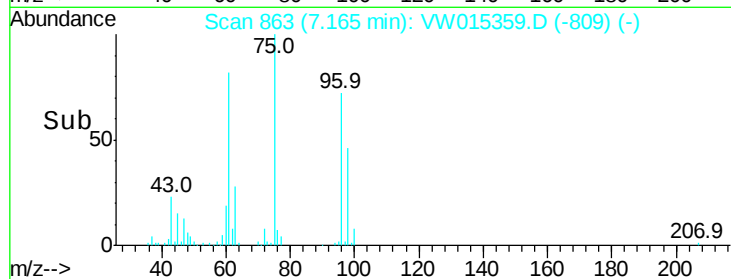
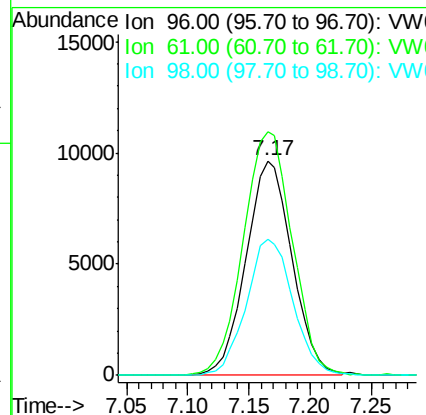
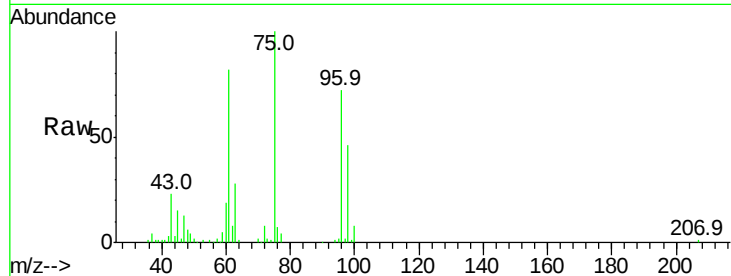


#22

cis-1,2-Dichloroethene
 Concen: 4.990 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

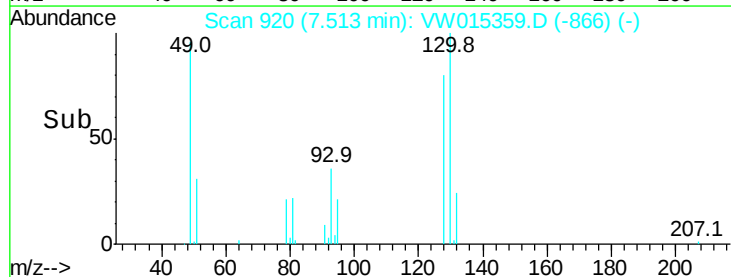
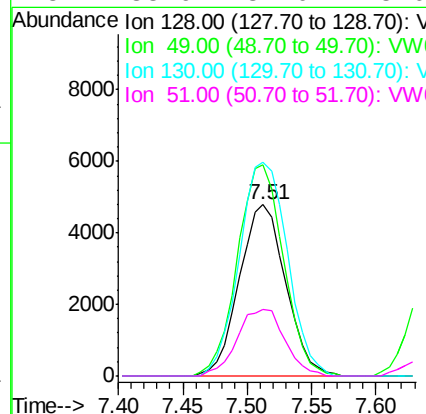
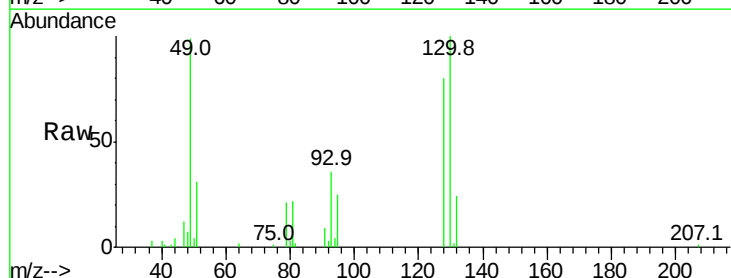
Tgt Ion: 96 Resp: 25195
 Ion Ratio Lower Upper
 96 100
 61 113.6 79.3 147.3
 98 63.7 43.6 81.0

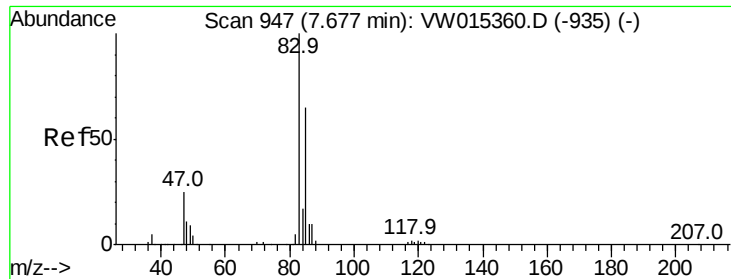


#23

Bromochloromethane
 Concen: 5.106 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Tgt Ion: 128 Resp: 11959
 Ion Ratio Lower Upper
 128 100
 49 123.7 85.8 159.4
 130 124.8 92.2 171.2
 51 38.9 32.0 48.0





#25

Chloroform

Concen: 4.236 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

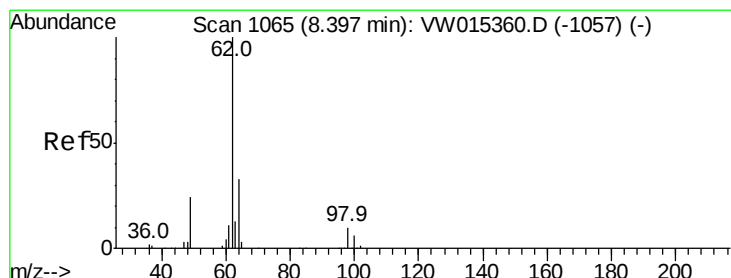
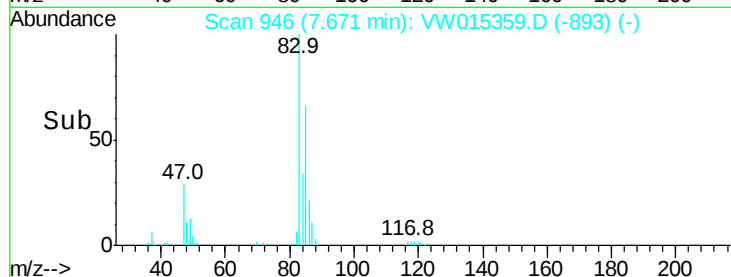
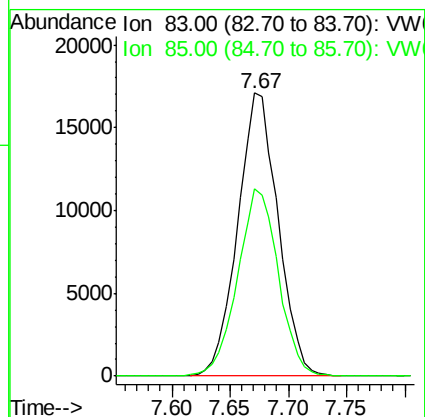
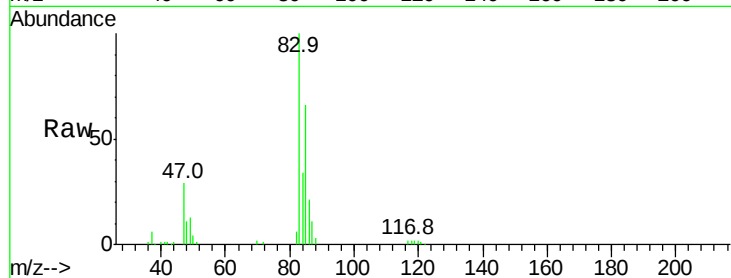
VSTD00502

Tgt Ion: 83 Resp: 41204

Ion Ratio Lower Upper

83 100

85 66.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.071 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015359.D

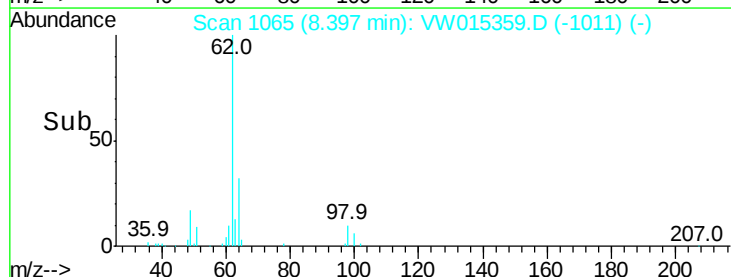
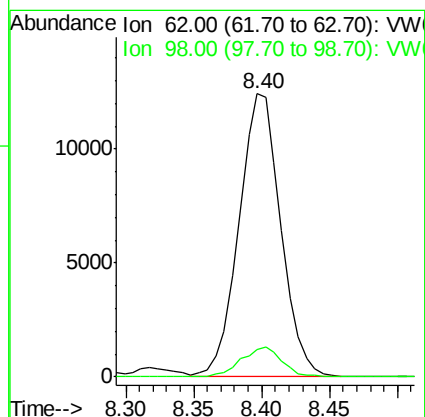
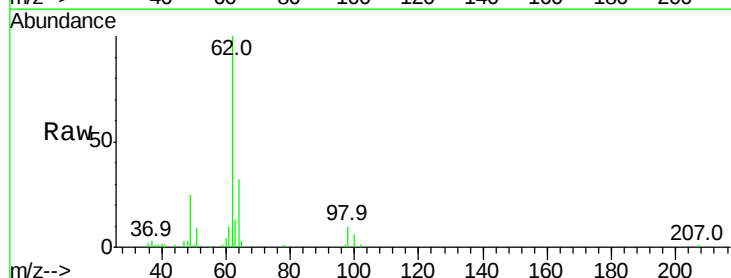
Acq: 28 Apr 2020 13:35

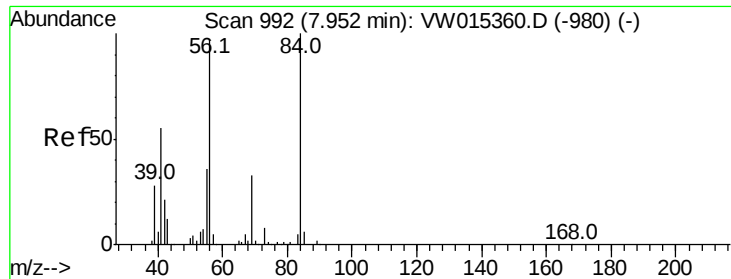
Tgt Ion: 62 Resp: 26666

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9

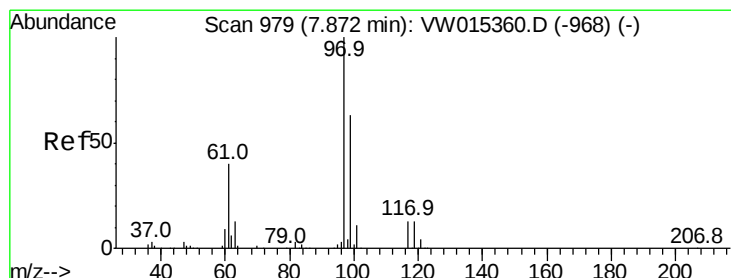
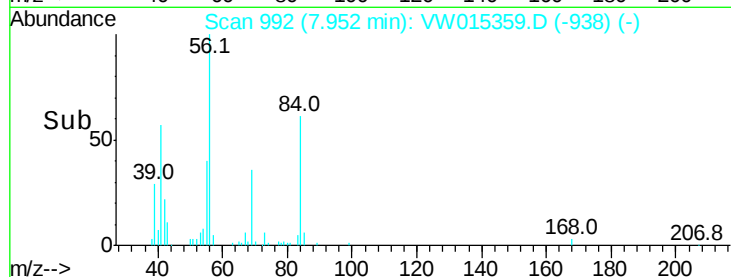
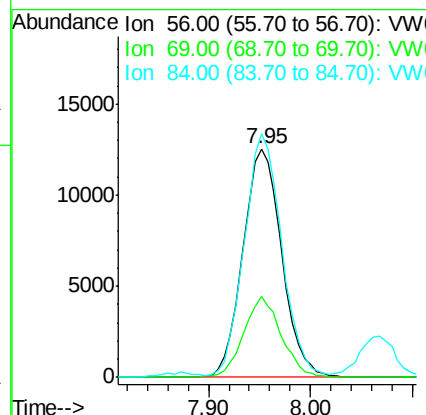
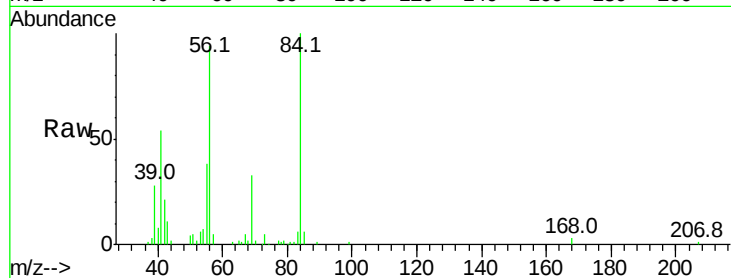




#30
Cyclohexane
Concen: 4.977 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

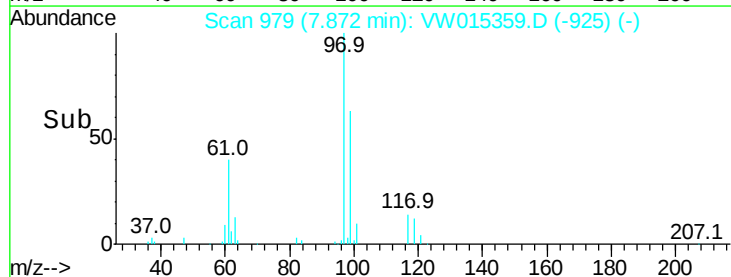
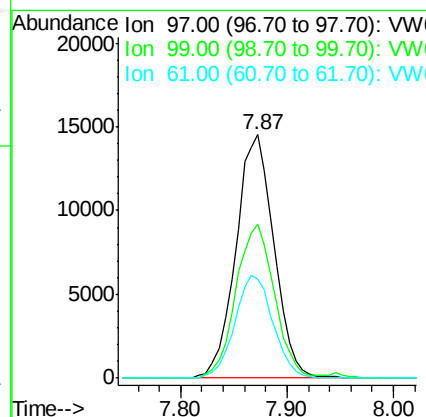
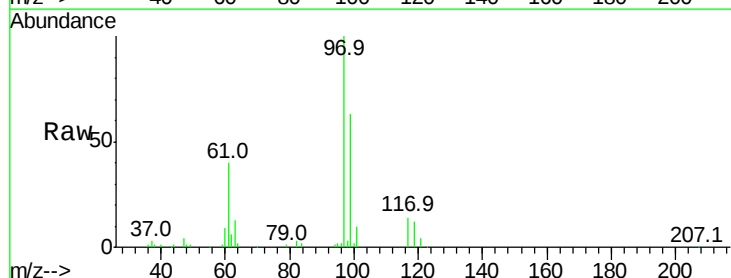
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

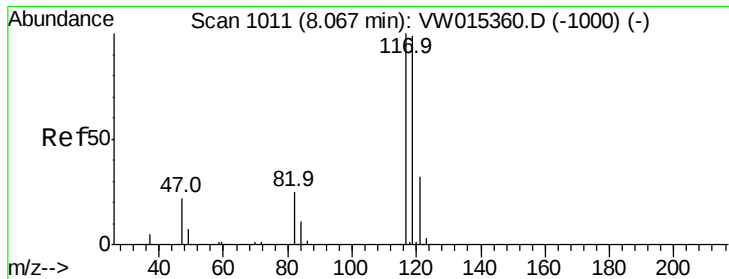
Tgt Ion: 56 Resp: 33124
Ion Ratio Lower Upper
56 100
69 34.1 27.4 41.2
84 103.6 83.2 124.8



#31
1,1,1-Trichloroethane
Concen: 4.683 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

Tgt Ion: 97 Resp: 36446
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 42.2 32.8 49.2





#32

Carbon tetrachloride

Concen: 4.944 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

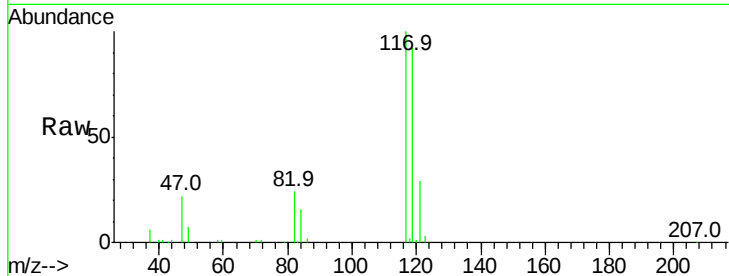
VSTD00502

Tgt Ion:117 Resp: 34372

Ion Ratio Lower Upper

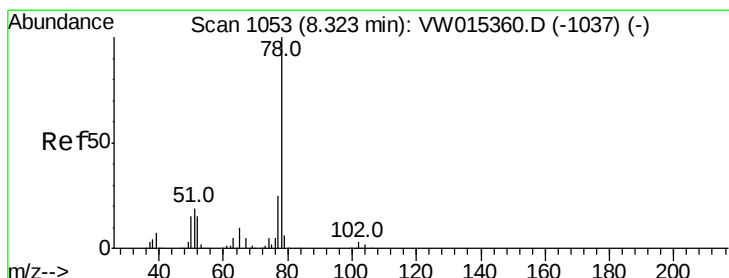
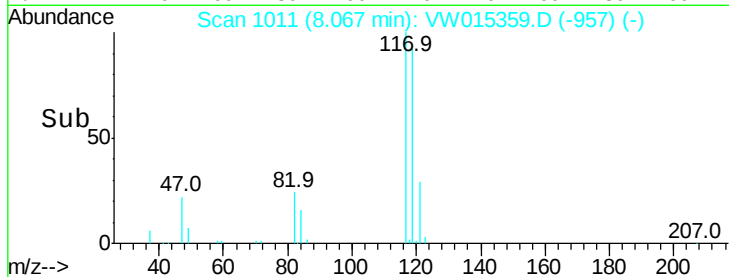
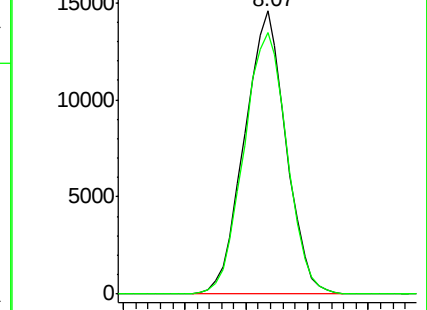
117 100

119 96.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.271 ug/L

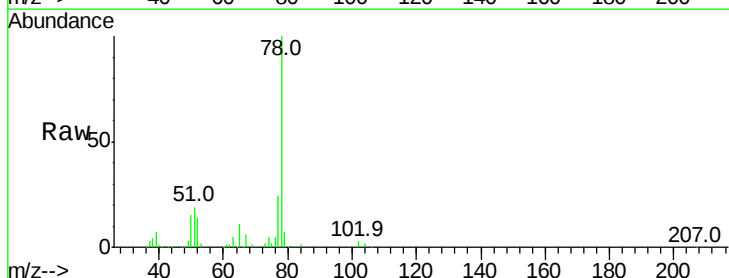
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

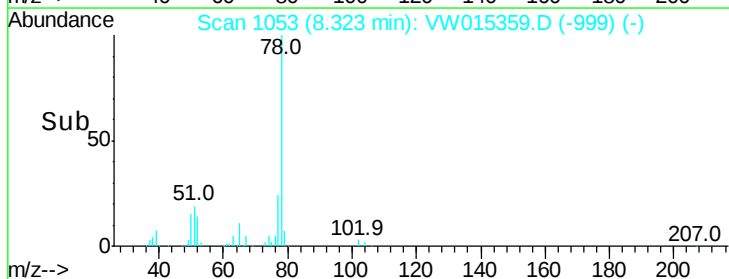
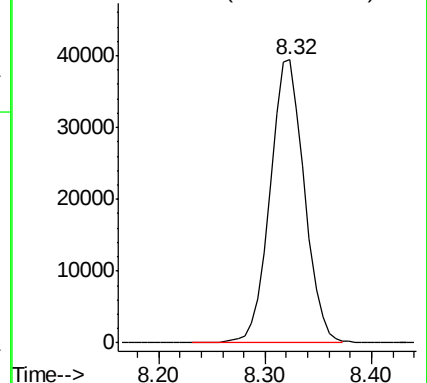
Lab File: VW015359.D

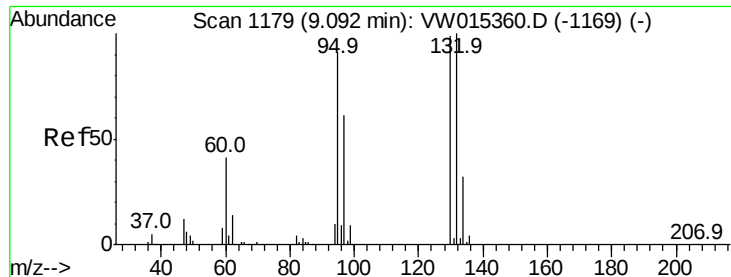
Acq: 28 Apr 2020 13:35

Tgt Ion: 78 Resp: 88145



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.246 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 95 Resp: 25455

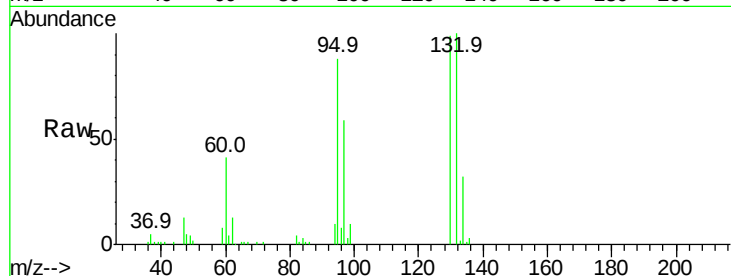
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 106.8 75.2 139.6

130 110.0 76.7 142.5

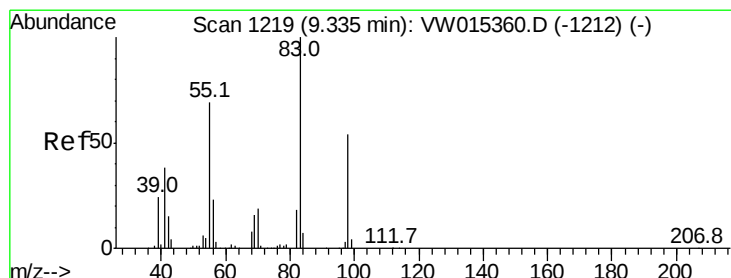
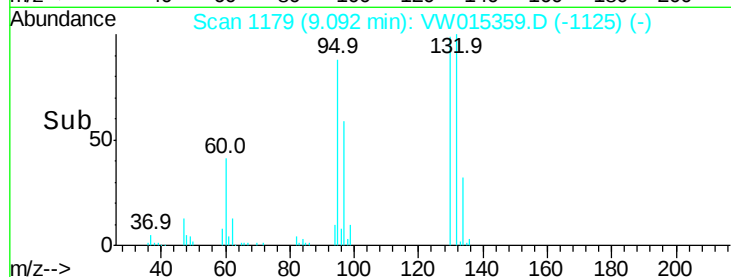
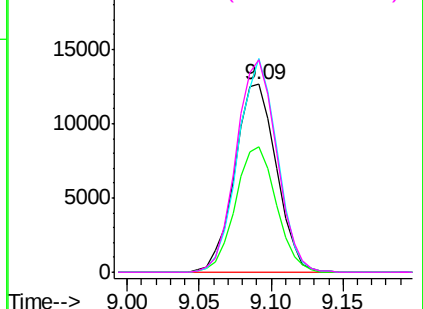


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 5.348 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

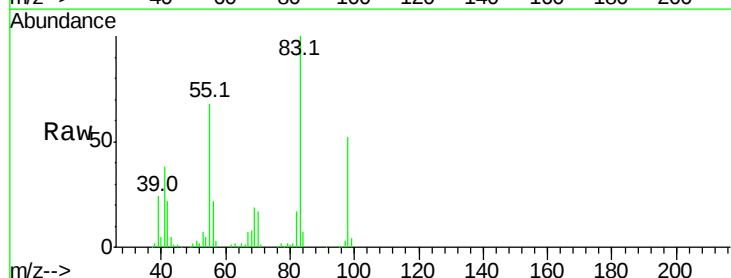
Tgt Ion: 83 Resp: 44017

Ion Ratio Lower Upper

83 100

55 67.5 53.7 80.5

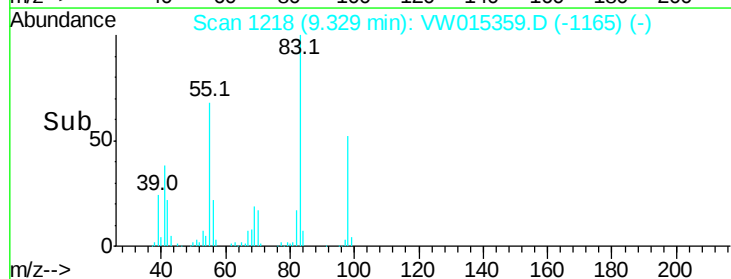
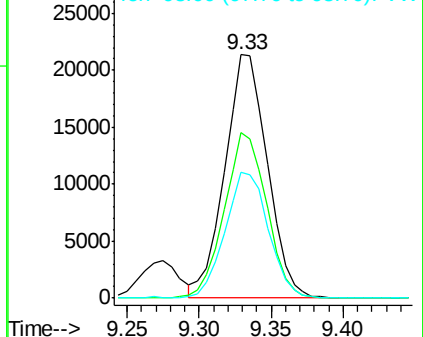
98 52.6 42.3 63.5

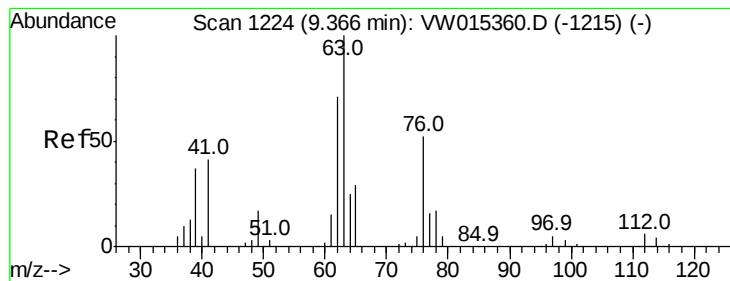


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.247 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

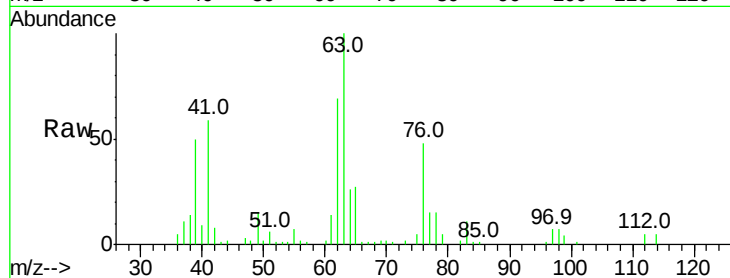
VSTD00502

Tgt Ion: 63 Resp: 19963

Ion Ratio Lower Upper

63 100

112 5.3 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

12000

10000

8000

6000

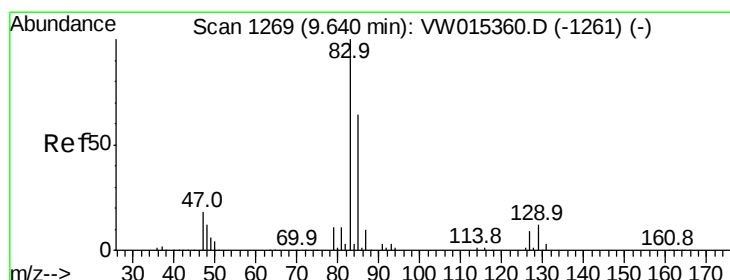
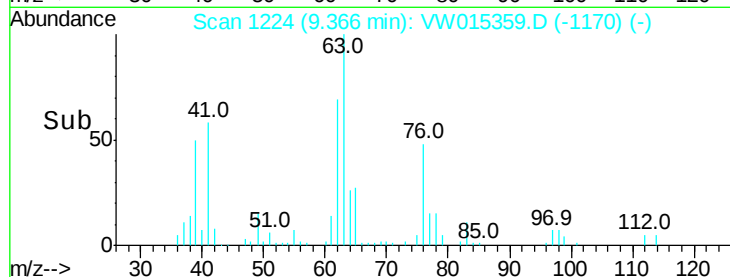
4000

2000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 5.232 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

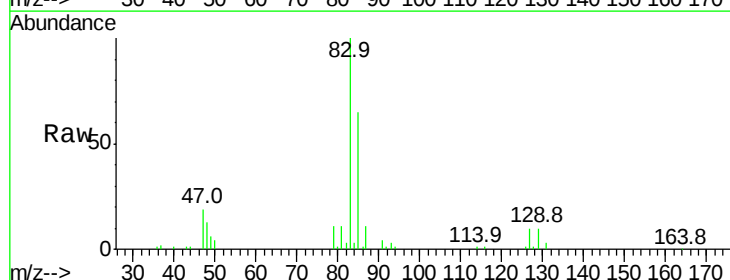
Tgt Ion: 83 Resp: 30843

Ion Ratio Lower Upper

83 100

85 64.8 44.7 83.1

127 10.8 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

20000

15000

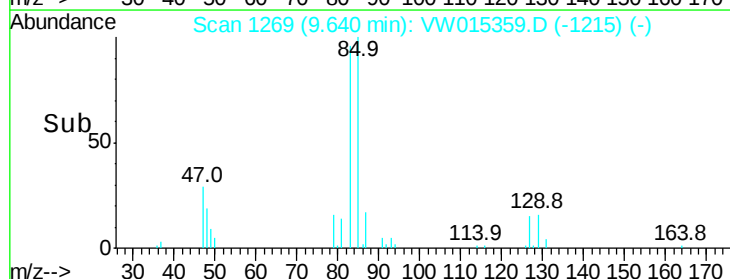
10000

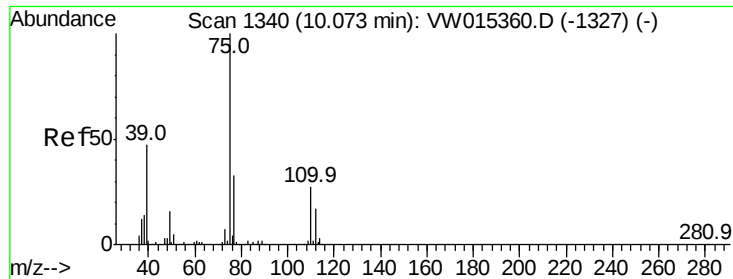
5000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 5.120 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

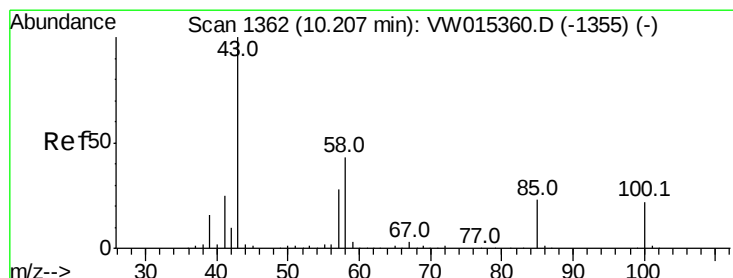
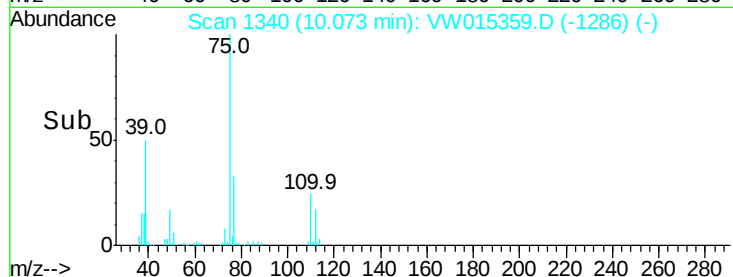
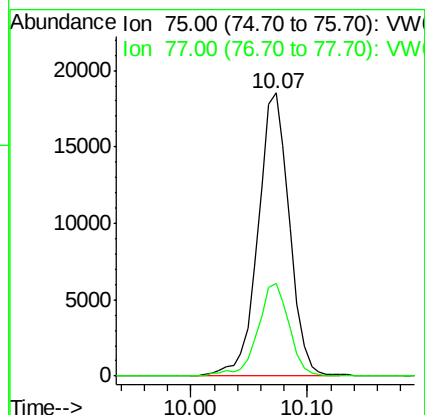
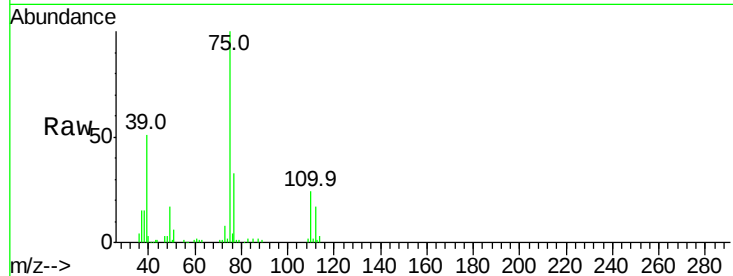
VSTD00502

Tgt Ion: 75 Resp: 34842

Ion Ratio Lower Upper

75 100

77 32.7 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 14.106 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

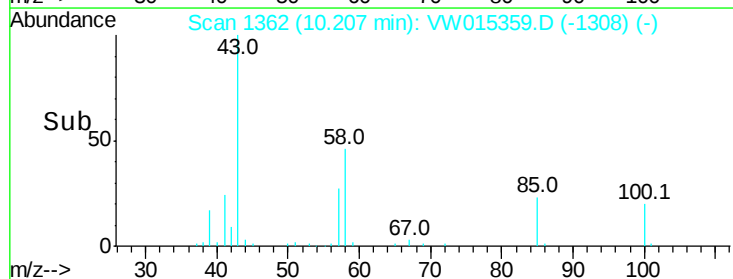
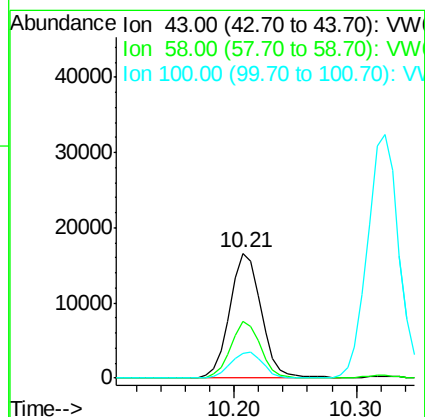
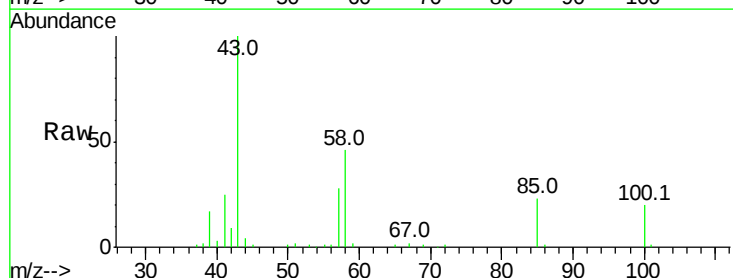
Tgt Ion: 43 Resp: 29565

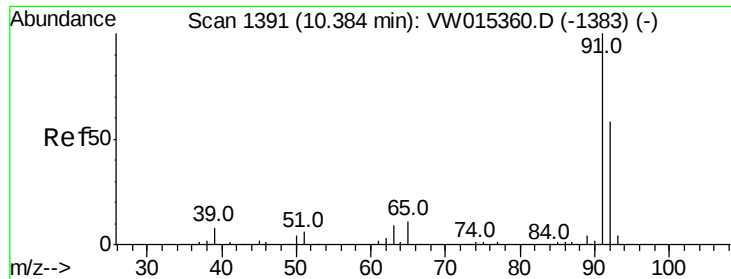
Ion Ratio Lower Upper

43 100

58 42.8 34.2 51.4

100 21.0 17.2 25.8





#44

Toluene

Concen: 5.279 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

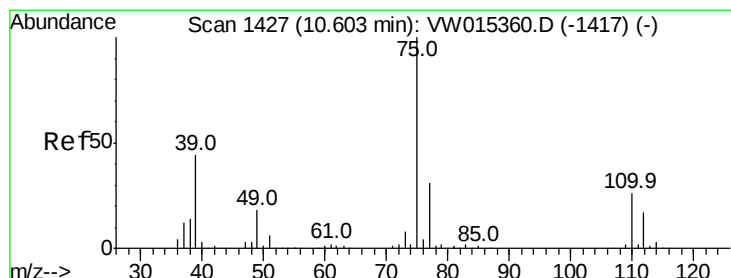
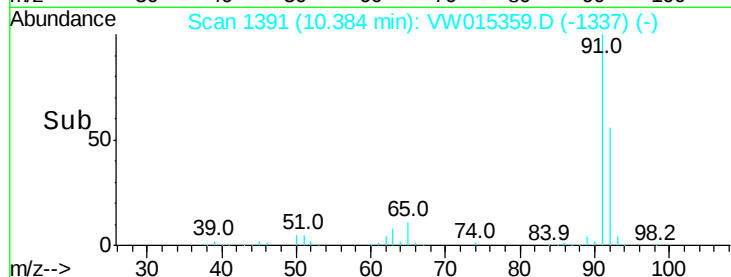
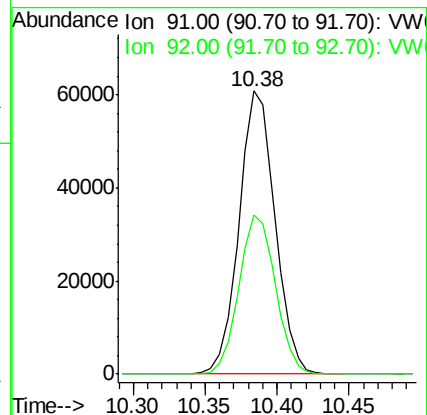
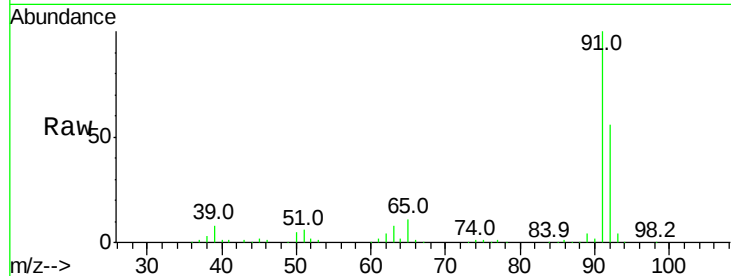
VSTD00502

Tgt Ion: 91 Resp: 105553

Ion Ratio Lower Upper

91 100

92 56.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 5.193 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015359.D

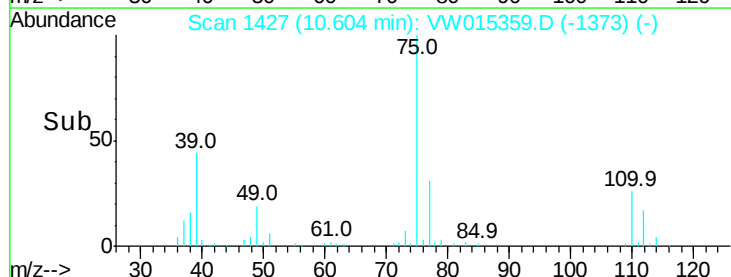
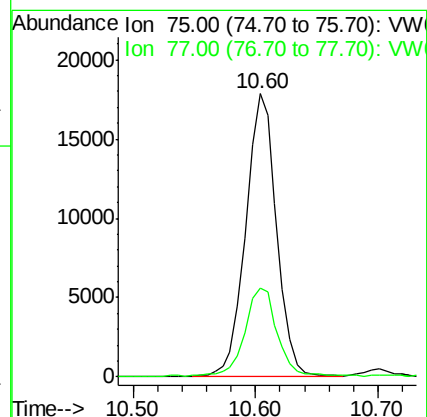
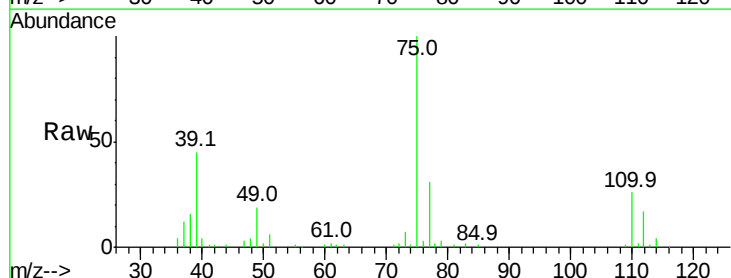
Acq: 28 Apr 2020 13:35

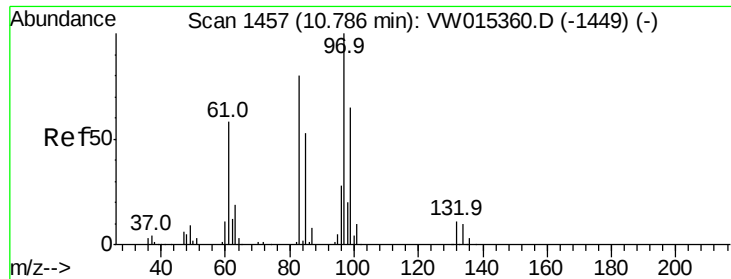
Tgt Ion: 75 Resp: 31172

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 5.535 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 18020

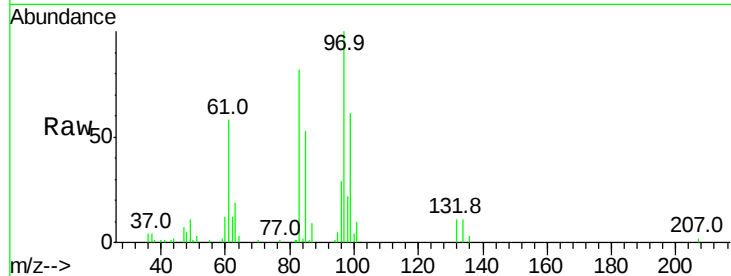
Ion Ratio Lower Upper

97 100

83 82.4 56.1 104.1

85 53.3 37.2 69.0

99 61.2 45.6 84.6



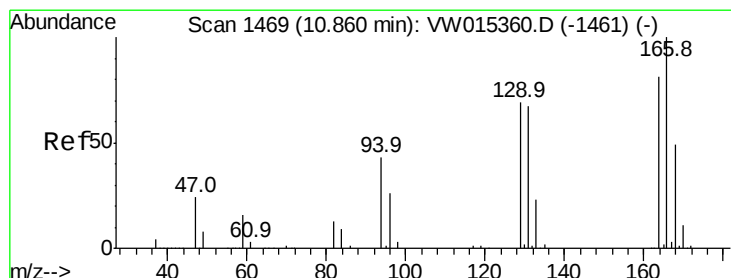
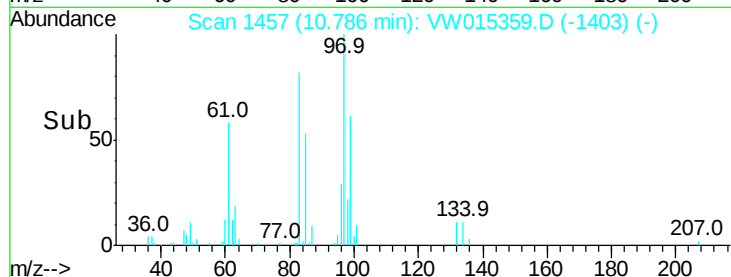
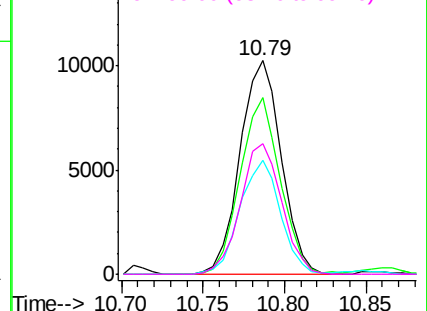
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 5.302 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Tgt Ion: 164 Resp: 24173

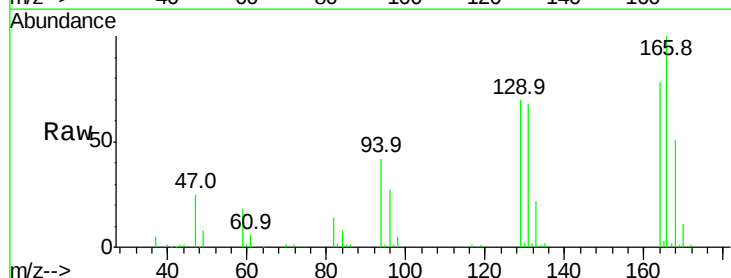
Ion Ratio Lower Upper

164 100

129 89.2 60.0 111.4

131 87.4 58.0 107.8

166 128.1 86.5 160.6



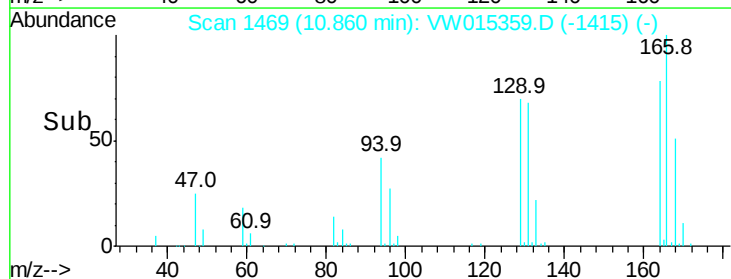
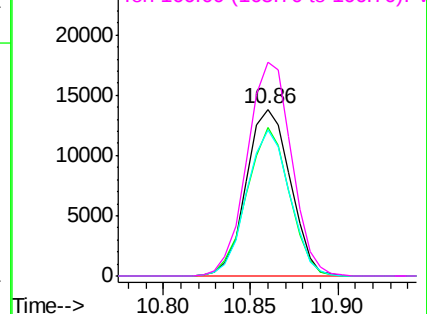
Abundance

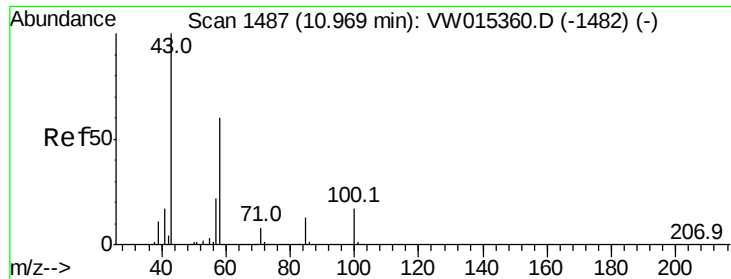
Ion 164.00 (163.70 to 164.70): V

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: 10.170 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 43 Resp: 15647

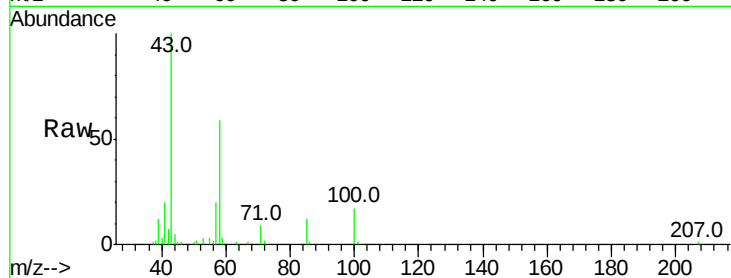
Ion Ratio Lower Upper

43 100

58 59.3 47.1 70.7

57 21.2 16.9 25.3

100 16.5 13.2 19.8

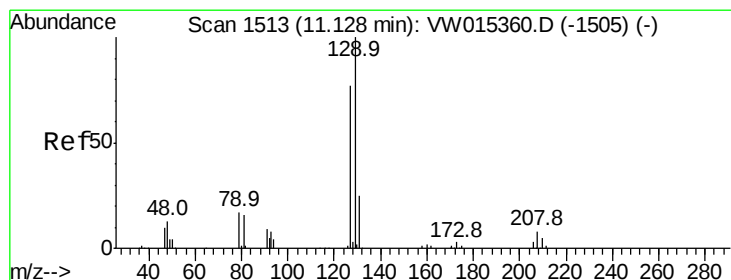
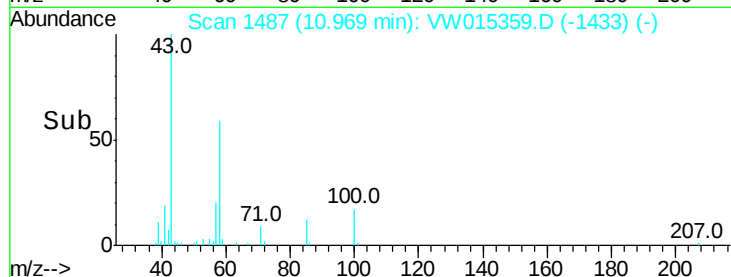
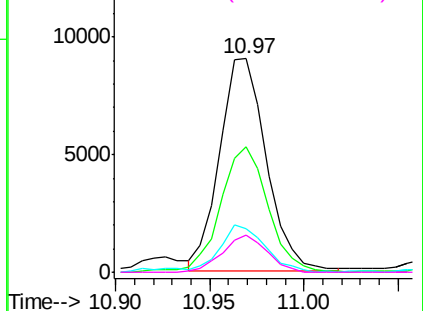


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 5.297 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015359.D

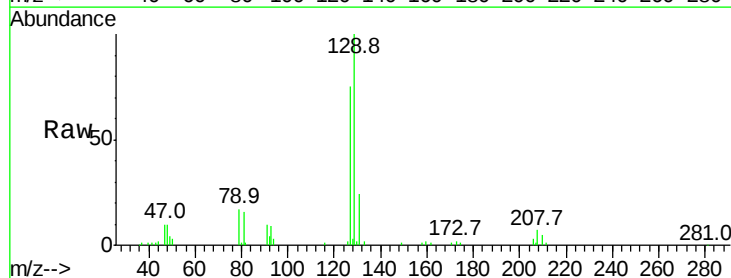
Acq: 28 Apr 2020 13:35

Tgt Ion: 129 Resp: 22987

Ion Ratio Lower Upper

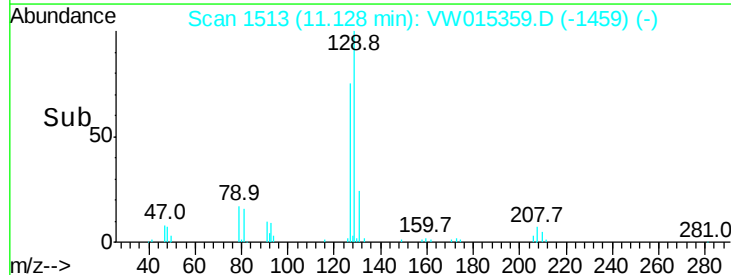
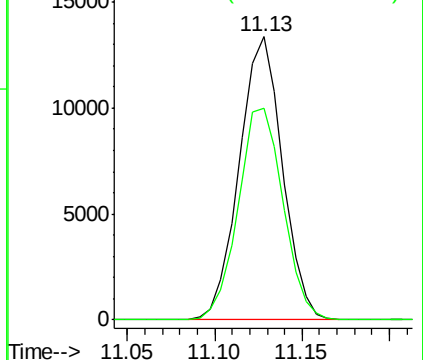
129 100

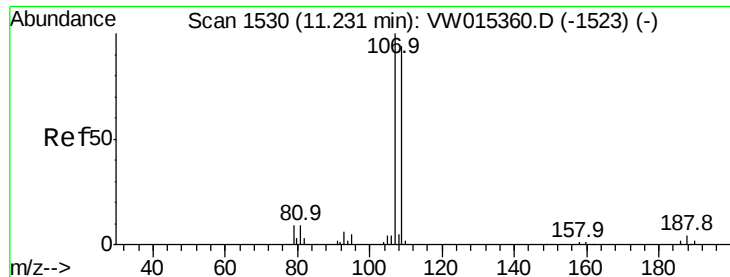
127 74.8 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 5.474 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

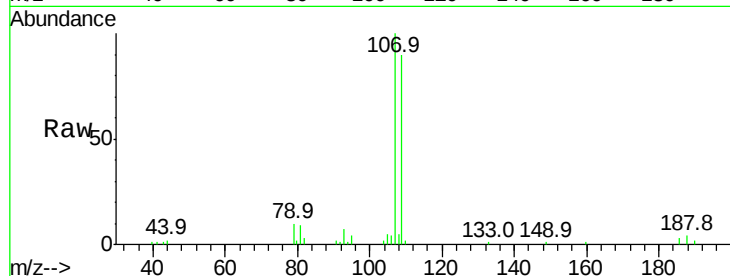
Tgt Ion:107 Resp: 17796

Ion Ratio Lower Upper

107 100

109 90.3 65.9 122.5

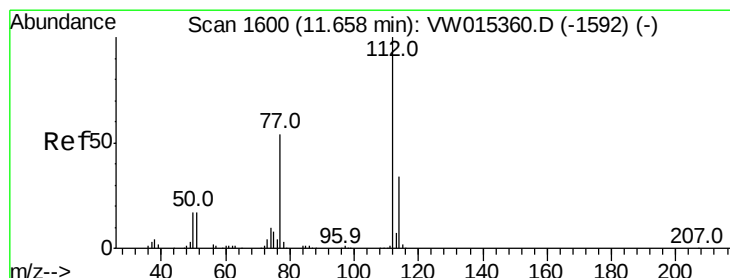
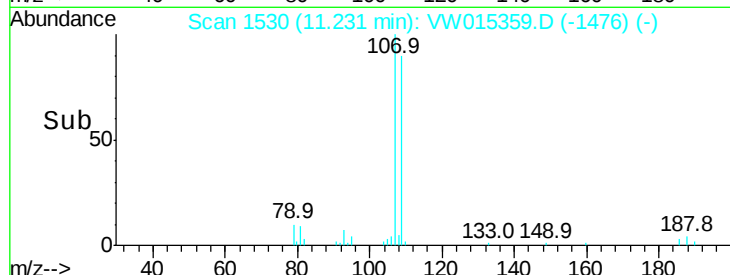
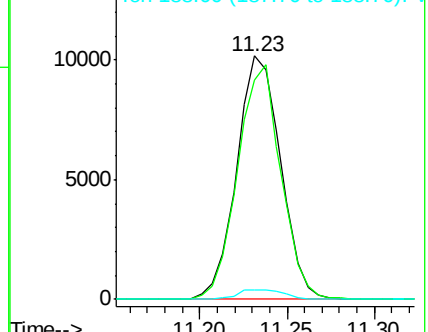
188 4.0 3.6 5.4



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: 5.220 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

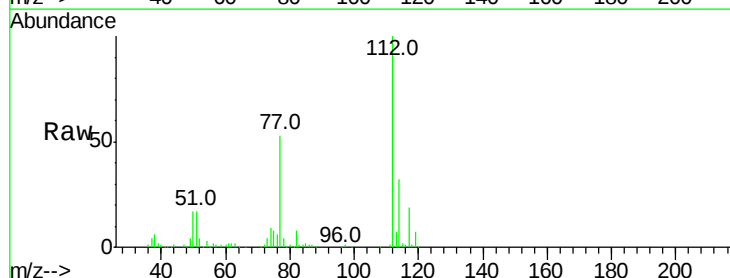
Tgt Ion:112 Resp: 70215

Ion Ratio Lower Upper

112 100

77 53.3 43.8 65.6

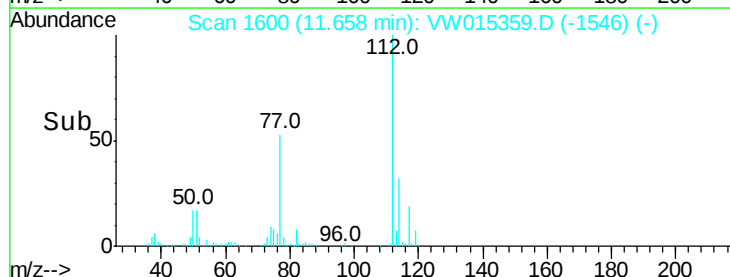
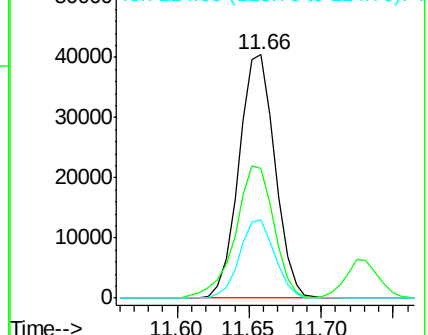
114 32.0 23.5 43.7

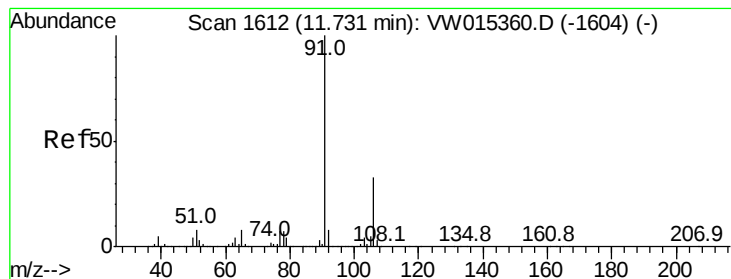


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.056 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

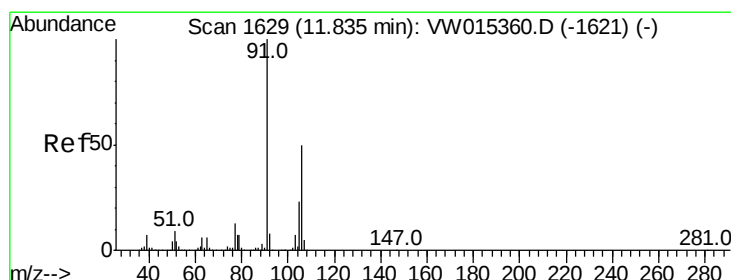
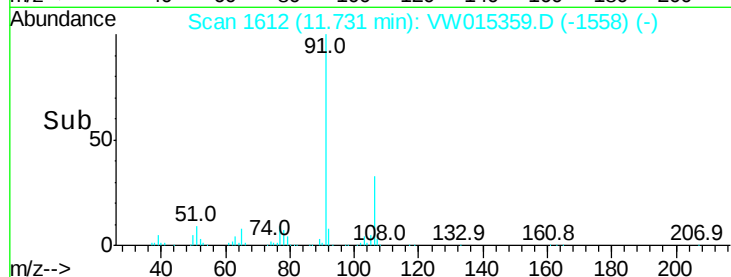
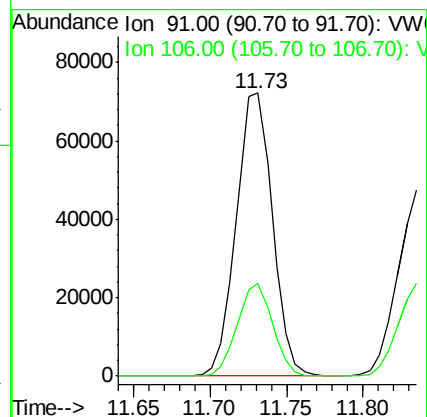
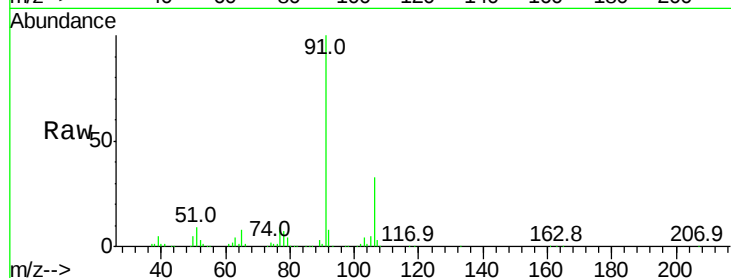
VSTD00502

Tgt Ion: 91 Resp: 118729

Ion Ratio Lower Upper

91 100

106 32.9 23.0 42.8



#54

m,p-Xylene

Concen: 4.962 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015359.D

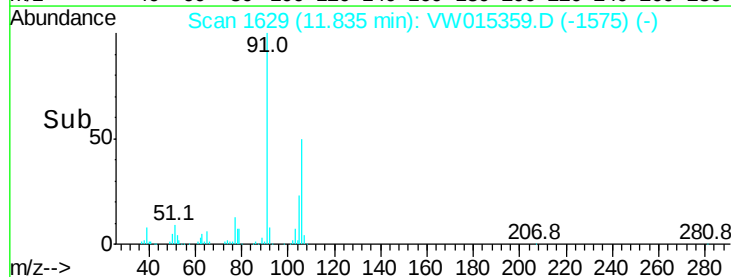
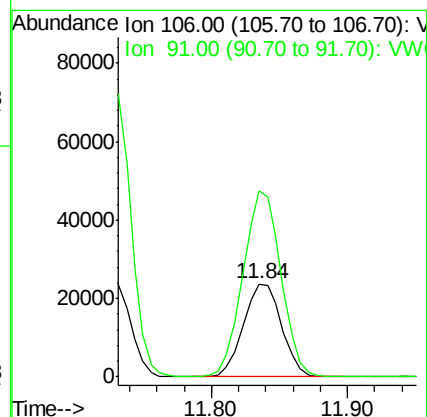
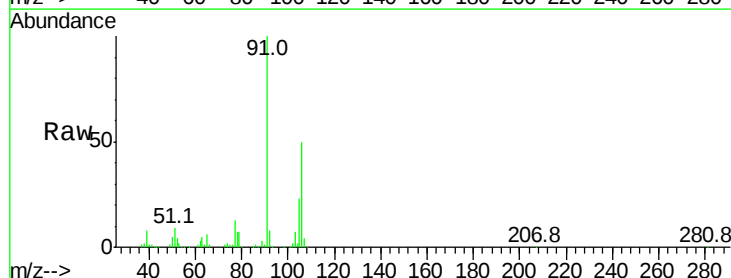
Acq: 28 Apr 2020 13:35

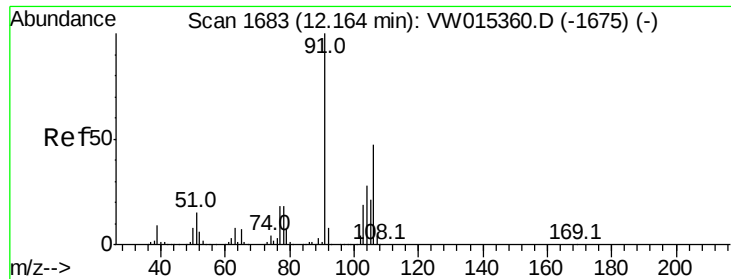
Tgt Ion: 106 Resp: 46714

Ion Ratio Lower Upper

106 100

91 199.6 140.8 261.4

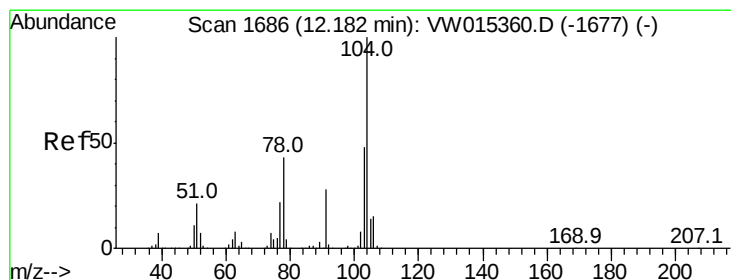
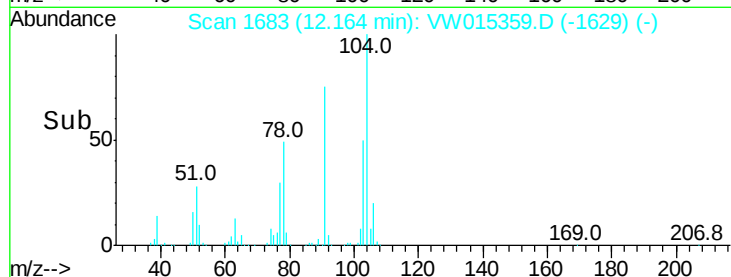
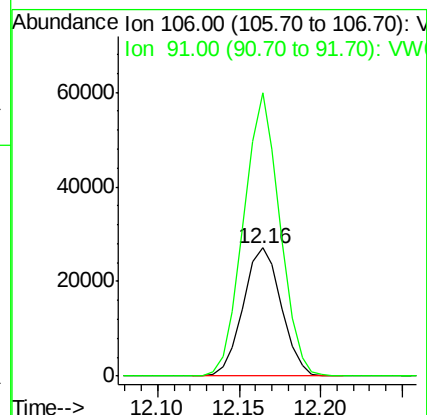
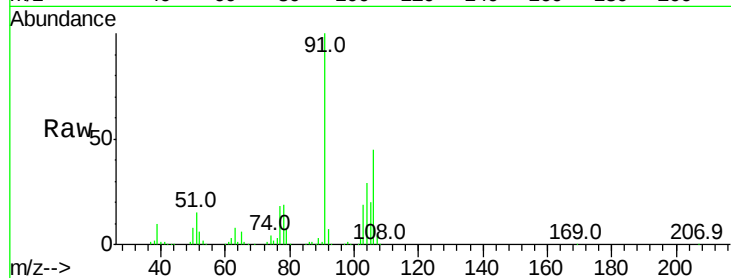




#55
o-xylene
Concen: 4.957 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

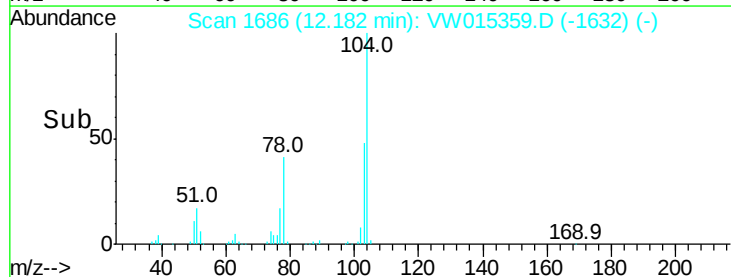
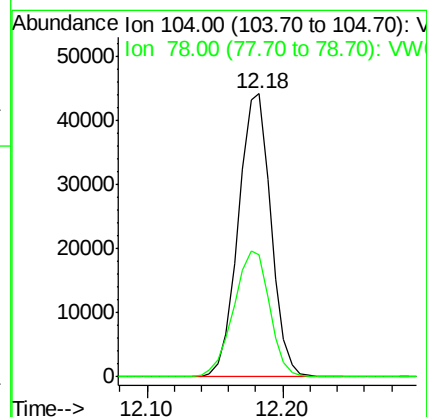
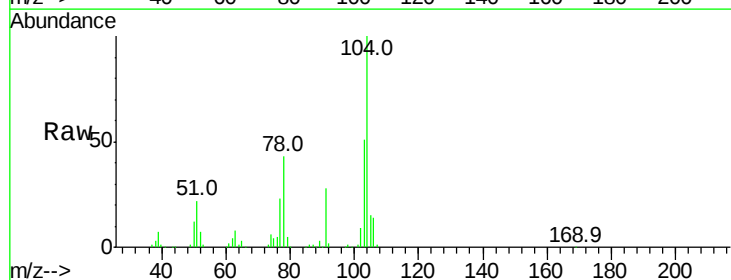
Instrument :
MSVOA_W
ClientSampled :
VSTD00502

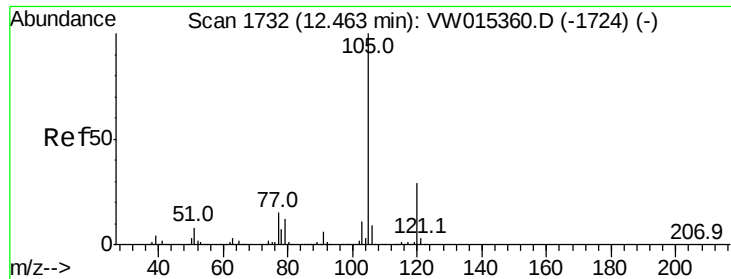
Tgt Ion:106 Resp: 44227
Ion Ratio Lower Upper
106 100
91 221.3 147.5 273.9



#56
Styrene
Concen: 4.858 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015359.D
Acq: 28 Apr 2020 13:35

Tgt Ion:104 Resp: 73739
Ion Ratio Lower Upper
104 100
78 43.3 30.1 55.9





#57

Isopropylbenzene

Concen: 4.969 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

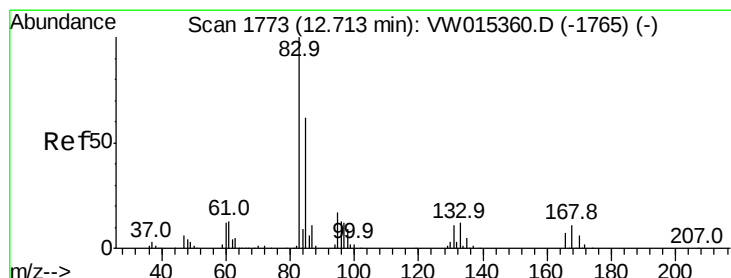
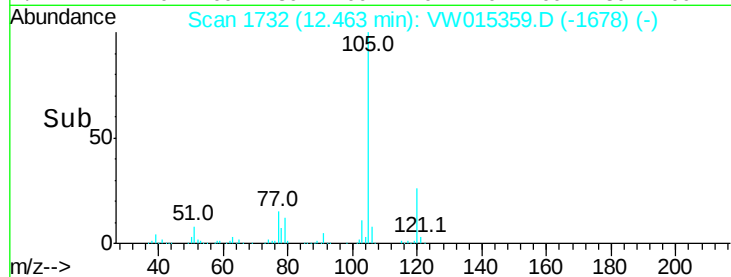
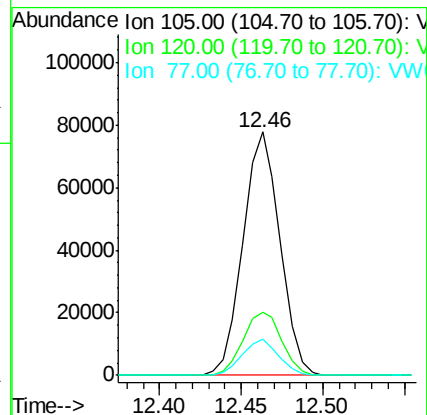
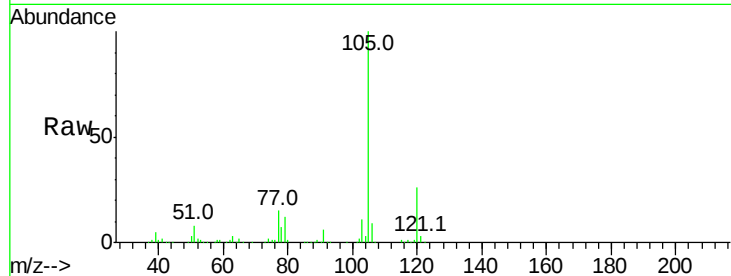
Instrument :

MSVOA_W

ClientSampled :

VSTD00502

Tgt Ion:	105	Resp:	122377
Ion	Ratio	Lower	Upper
105	100		
120	27.2	22.4	33.6
77	14.6	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.577 ug/L

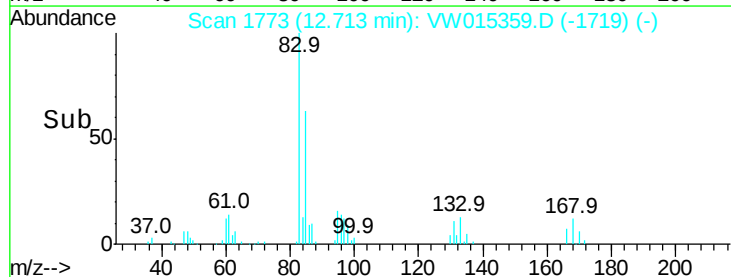
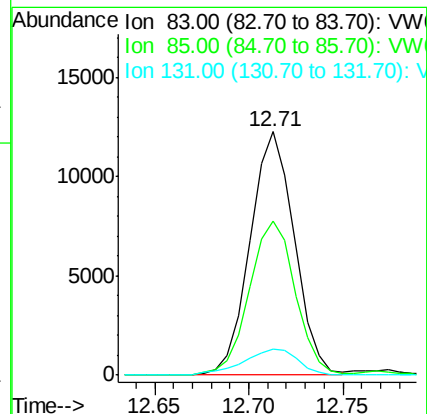
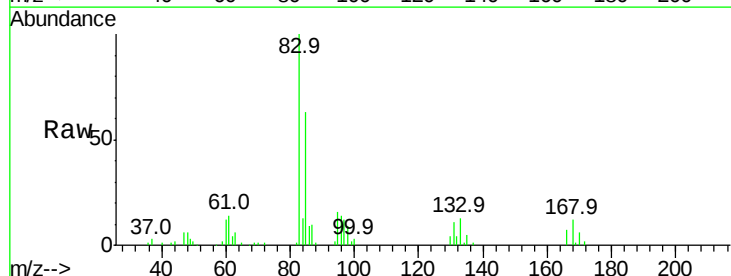
RT: 12.71 min Scan# 1773

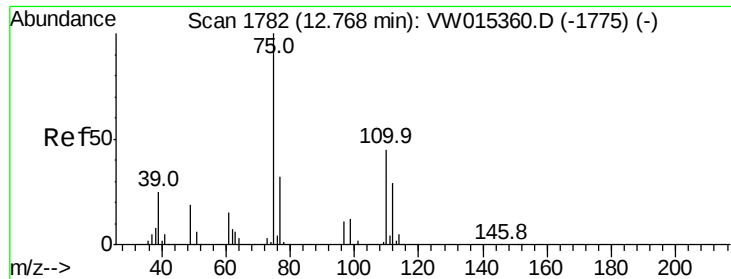
Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Tgt Ion:	83	Resp:	19942
Ion	Ratio	Lower	Upper
83	100		
85	63.4	43.8	81.3
131	10.7	9.1	13.7





#59

1,2,3-Trichloropropane

Concen: 5.523 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

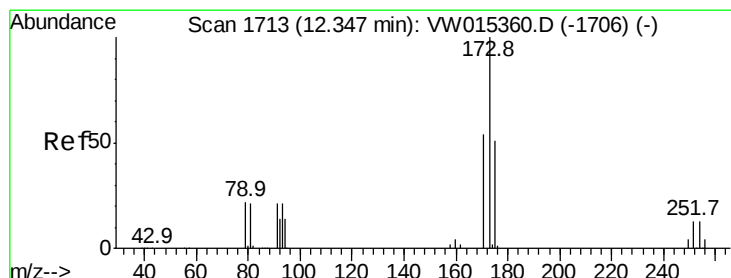
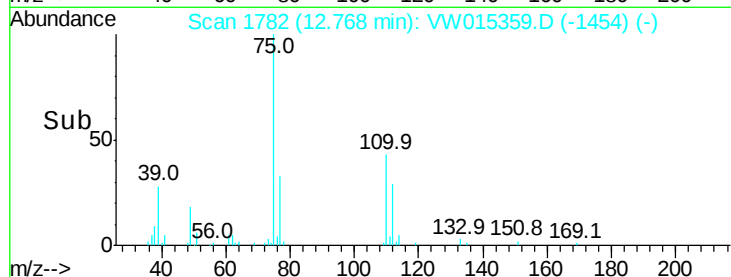
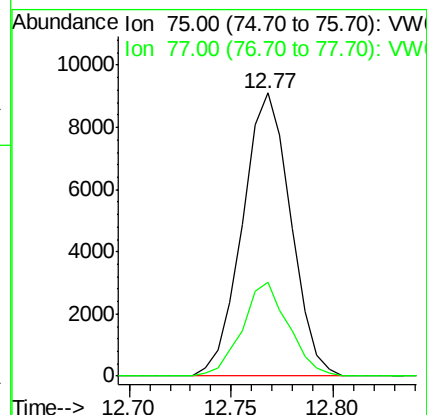
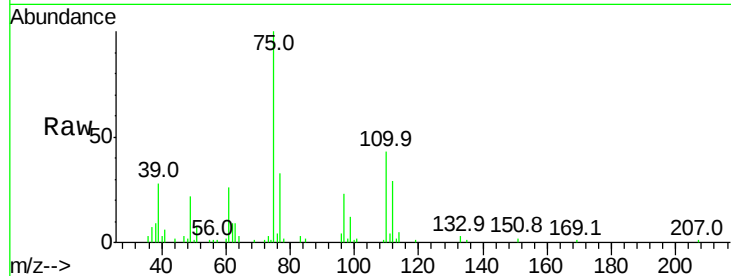
VSTD00502

Tgt Ion: 75 Resp: 14983

Ion Ratio Lower Upper

75 100

77 31.8 26.4 39.6



#62

Bromoform

Concen: 5.433 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

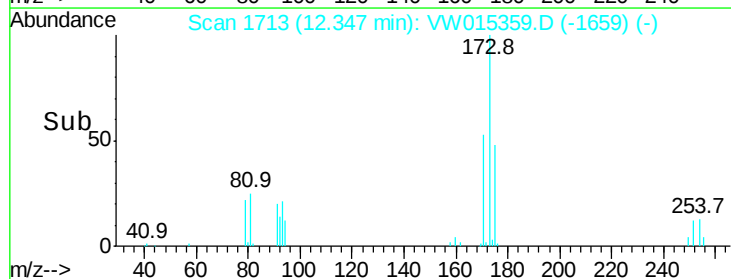
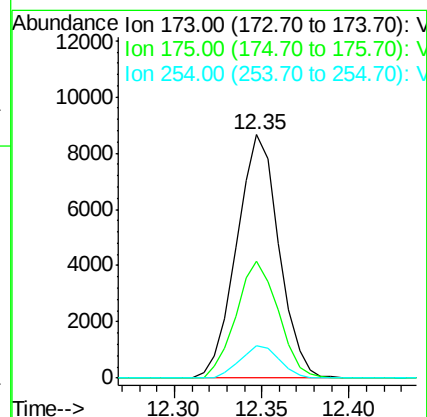
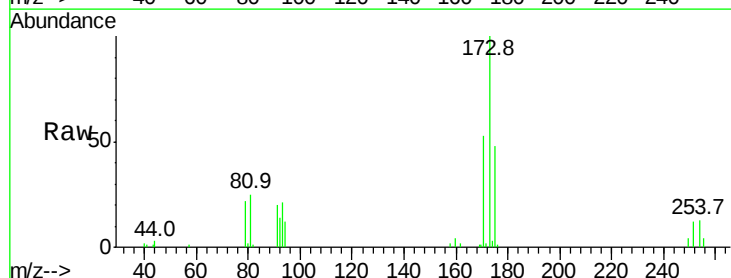
Tgt Ion: 173 Resp: 14538

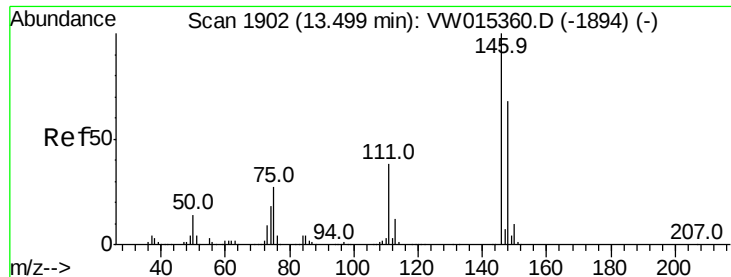
Ion Ratio Lower Upper

173 100

175 48.0 40.4 60.6

254 12.2 9.8 14.8

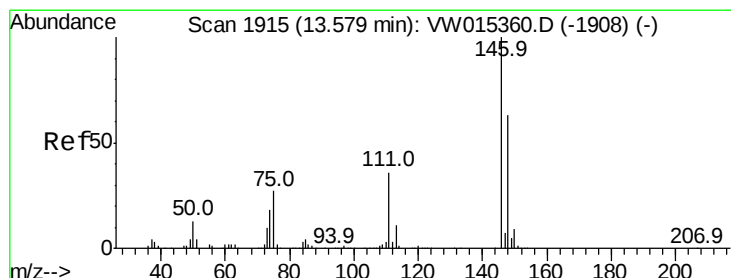
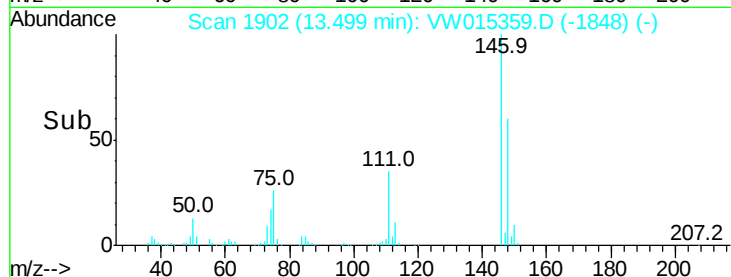
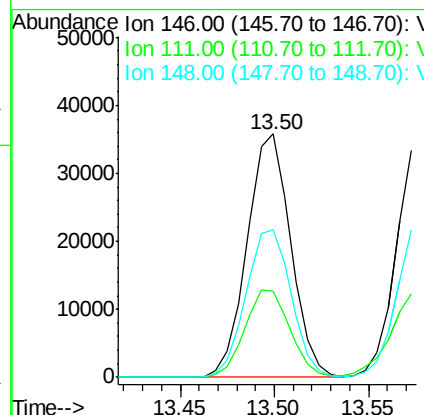
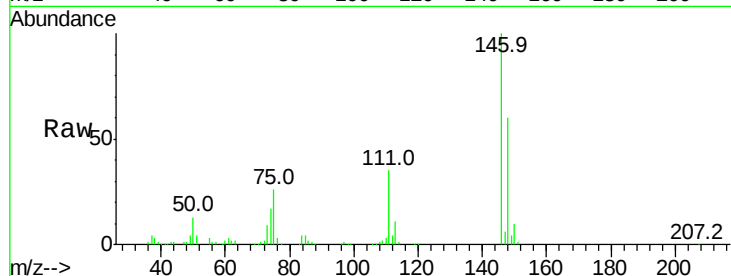




#63
 1,3-Dichlorobenzene
 Concen: 5.147 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

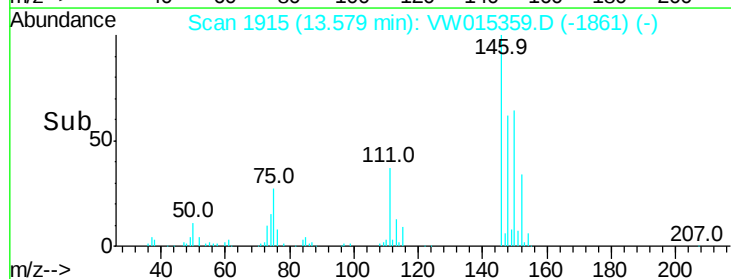
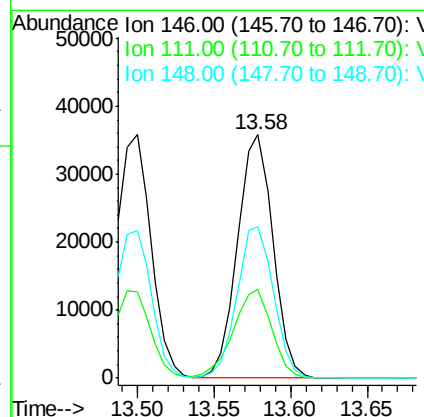
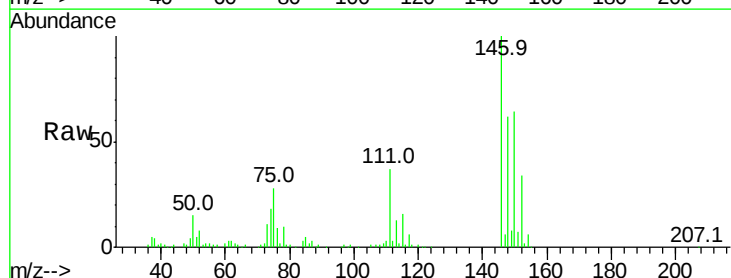
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

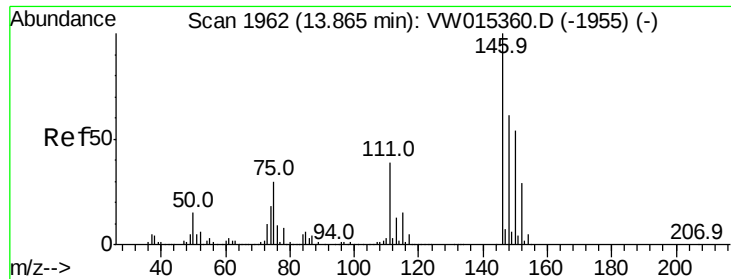
Tgt Ion:146 Resp: 57575
 Ion Ratio Lower Upper
 146 100
 111 35.4 26.6 49.4
 148 60.4 47.5 88.3



#64
 1,4-Dichlorobenzene
 Concen: 5.228 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Tgt Ion:146 Resp: 57727
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.5 47.3
 148 62.1 44.2 82.2

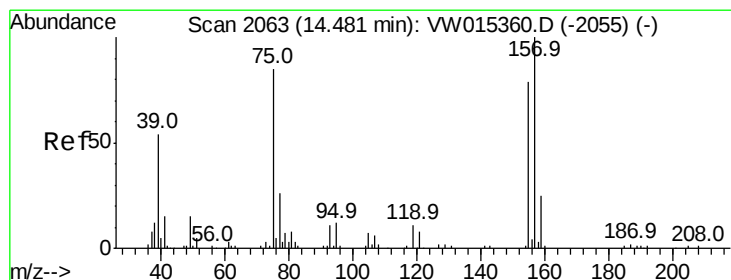
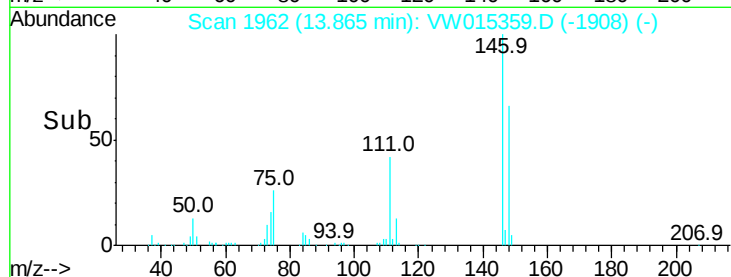
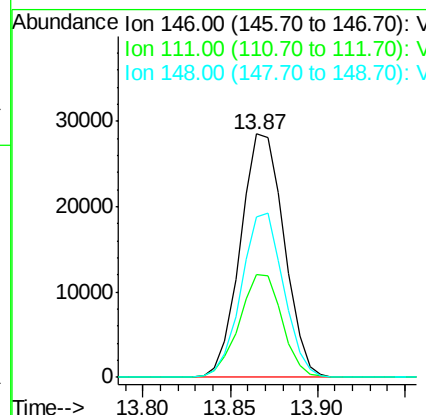
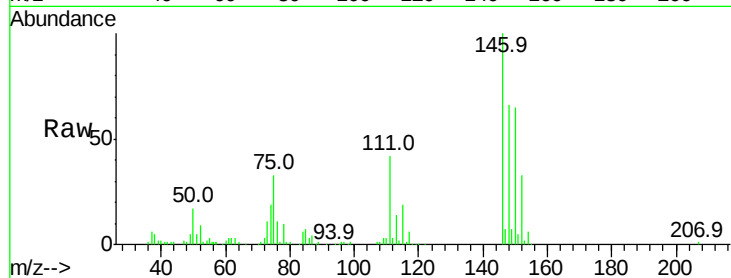




#65
 1,2-Dichlorobenzene
 Concen: 4.956 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

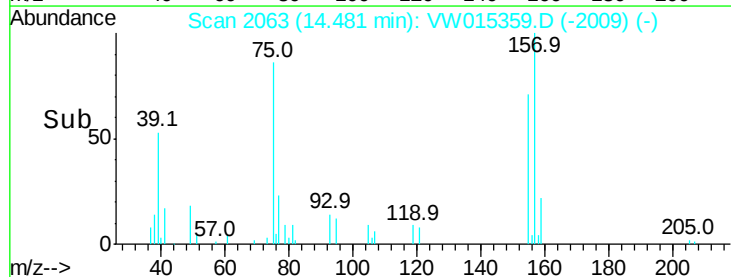
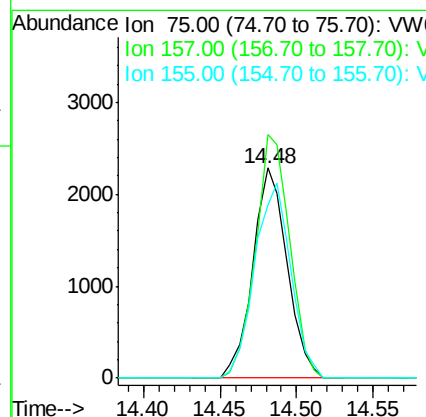
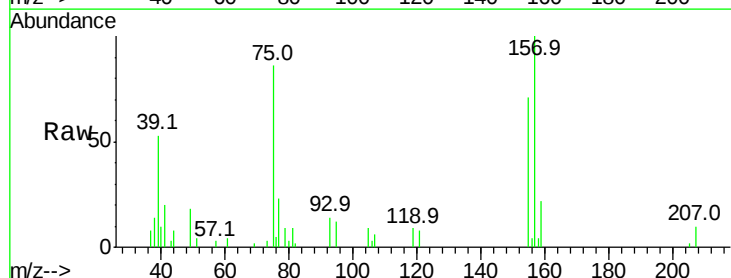
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

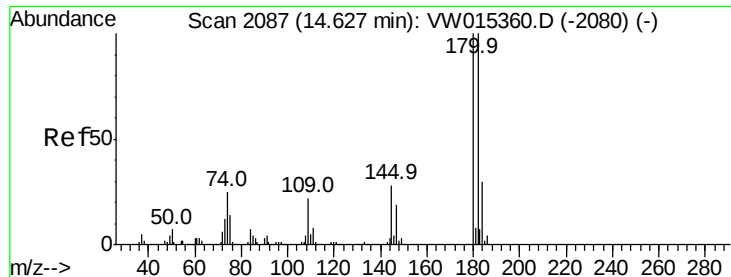
Tgt Ion: 146 Resp: 49602
 Ion Ratio Lower Upper
 146 100
 111 42.4 31.4 47.0
 148 65.7 48.9 73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.352 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Tgt Ion: 75 Resp: 3562
 Ion Ratio Lower Upper
 75 100
 157 116.1 94.6 141.8
 155 82.9 75.0 112.6

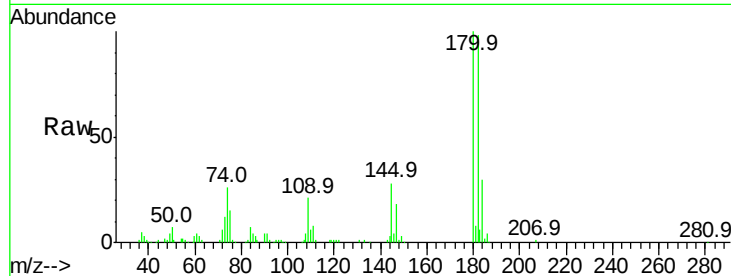




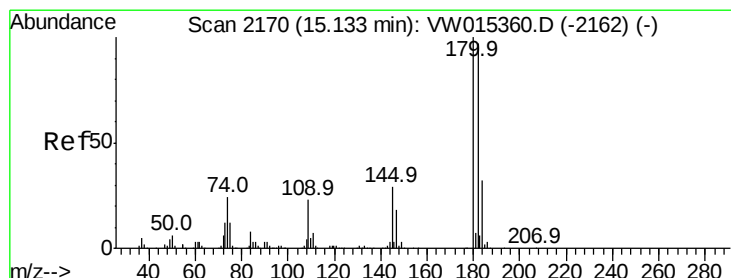
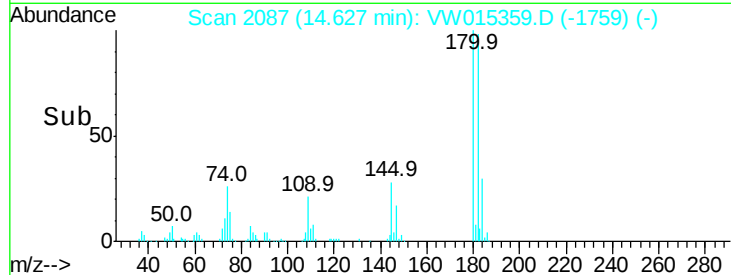
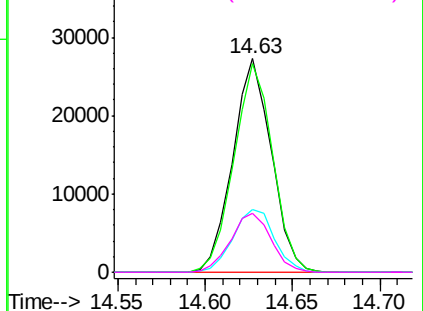
#67
 1,3,5-Trichlorobenzene
 Concen: 5.035 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Tgt Ion:180 Resp: 42027
 Ion Ratio Lower Upper
 180 100
 182 97.7 78.3 117.5
 184 31.5 25.0 37.4
 145 28.9 22.9 34.3

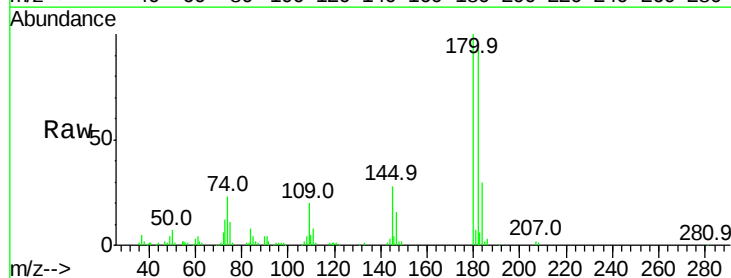


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

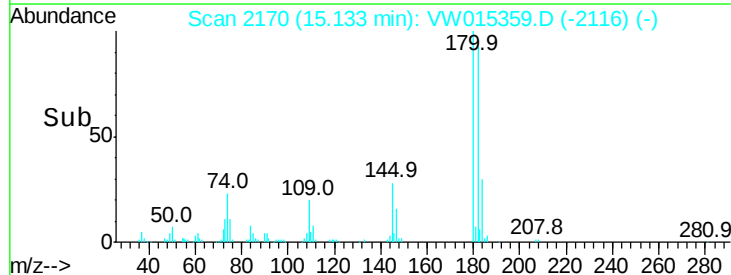
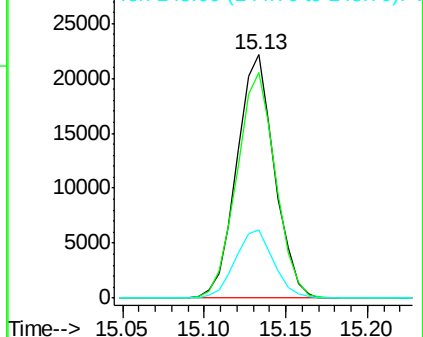


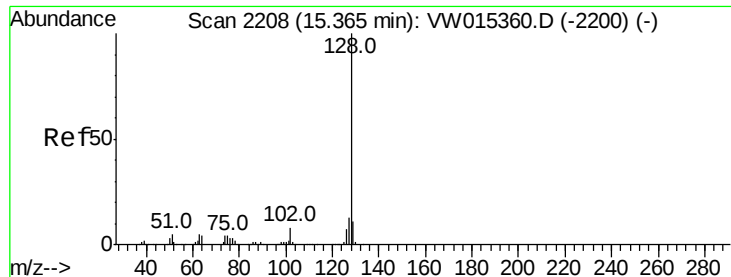
#68
 1,2,4-trichlorobenzene
 Concen: 5.353 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015359.D
 Acq: 28 Apr 2020 13:35

Tgt Ion:180 Resp: 35599
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.9 116.9
 145 28.6 22.8 34.2



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





#69

Naphthalene

Concen: 5.437 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

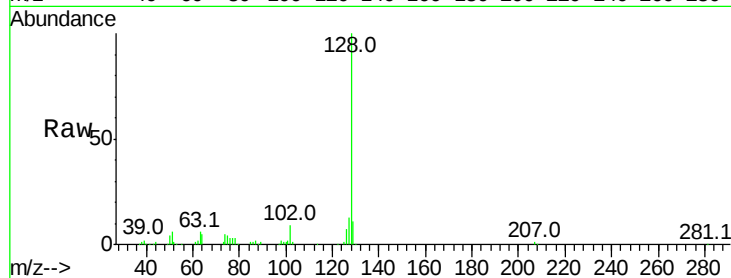
Tgt Ion:128 Resp: 61024

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

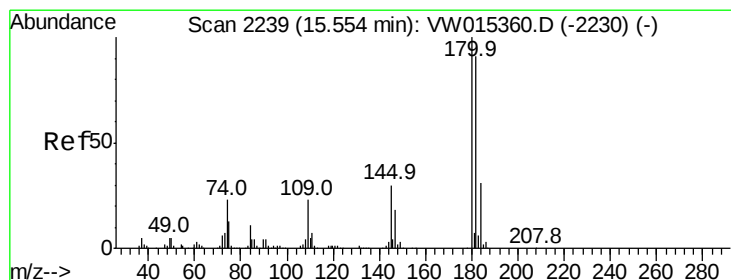
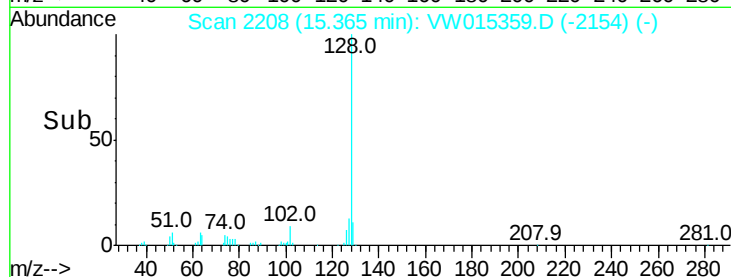
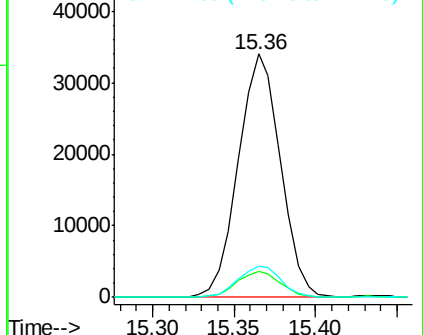
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.499 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015359.D

Acq: 28 Apr 2020 13:35

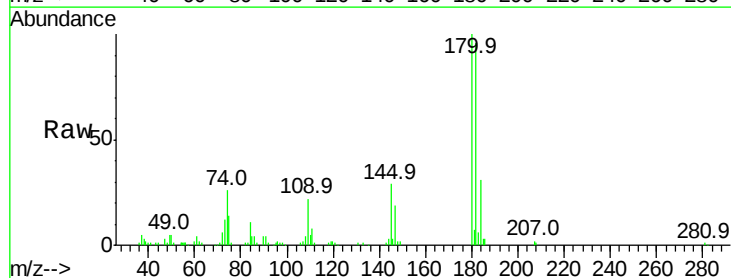
Tgt Ion:180 Resp: 31482

Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.6

145 30.1 24.4 36.6



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

