

Data File : VW015361.D
Acq On : 28 Apr 2020 14:22
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Apr 28 14:54:22 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	397472	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367878	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	195164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	140932	32.22	ug/L	0.00
7) Chloroethane-d5	2.89	69	156340	39.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	333372	40.37	ug/L	0.00
20) 2-Butanone-d5	7.09	46	90013	95.19	ug/L	0.00
24) Chloroform-d	7.65	84	403291	56.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	212614	45.68	ug/L	0.00
29) Benzene-d6	8.27	84	762950	46.47	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	217246	47.53	ug/L	0.00
37) Toluene-d8	10.32	98	782767	45.05	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	114257	47.61	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	86713	101.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	197752	51.22	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	314340	46.19	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	181463	32.465	ug/L	95
3) Chloromethane	2.21	50	145411	30.670	ug/L	100
5) Vinyl chloride	2.37	62	191771	34.544	ug/L	96
6) Bromomethane	2.78	94	165294	42.364	ug/L	100
8) Chloroethane	2.92	64	139734	39.465	ug/L	98
9) Trichlorofluoromethane	3.26	101	201641	23.901	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	222814	42.822	ug/L	98
12) 1,1-Dichloroethene	4.03	96	211374	45.140	ug/L	97
13) Acetone	4.13	43	58897	69.722	ug/L	96
14) Carbon disulfide	4.37	76	584758	40.236	ug/L	100
15) Methyl Acetate	4.68	43	72861	44.828	ug/L	99
16) Methylene chloride	4.91	84	211635	41.061	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	315078	28.120	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	232420	44.400	ug/L	96
19) 1,1-Dichloroethane	6.21	63	363006	45.245	ug/L	99
21) 2-Butanone	7.18	43	97785	83.444	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	251035	45.757	ug/L	99
23) Bromochloromethane	7.51	128	121676	47.813	ug/L	99
25) Chloroform	7.67	83	412393	39.013	ug/L	100
27) 1,2-Dichloroethane	8.40	62	270047	47.262	ug/L	100
30) Cyclohexane	7.95	56	331537	45.239	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	367551	42.892	ug/L	100
32) Carbon tetrachloride	8.07	117	356463	46.566	ug/L	99
34) Benzene	8.32	78	881243	47.856	ug/L	100
35) Trichloroethene	9.09	95	251581	47.088	ug/L	99
36) Methylcyclohexane	9.34	83	431694	47.629	ug/L	99
40) 1,2-Dichloropropane	9.37	63	201241	48.033	ug/L	100
41) Bromodichloromethane	9.64	83	317239	48.873	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	364640	48.662	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	243170	105.364	ug/L	99

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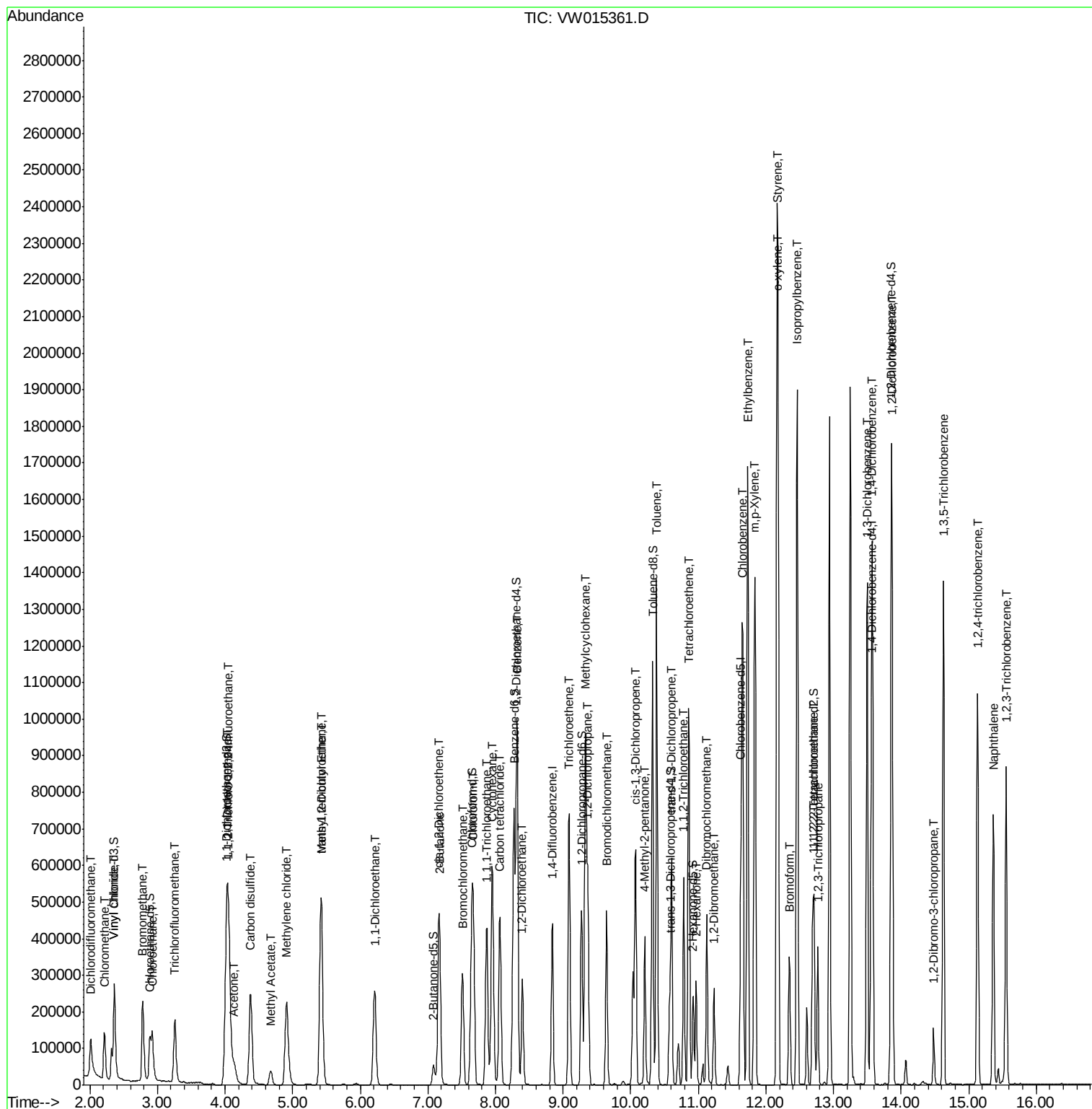
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1036602	47.085	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	329071	49.788	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	180181	50.263	ug/L	98
47) Tetrachloroethene	10.86	164	246354	49.073	ug/L	97
49) 2-Hexanone	10.97	43	161445	95.294	ug/L	100
50) Dibromochloromethane	11.13	129	247705	51.842	ug/L	100
51) 1,2-Dibromoethane	11.23	107	182428	50.961	ug/L	97
52) Chlorobenzene	11.66	112	702750	47.451	ug/L	98
53) Ethylbenzene	11.73	91	1200982	46.450	ug/L	100
54) m,p-Xylene	11.83	106	480660	46.367	ug/L	96
55) o-xylene	12.16	106	461990	47.026	ug/L	96
56) Styrene	12.18	104	798810	47.790	ug/L	99
57) Isopropylbenzene	12.46	105	1266555	46.705	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	206238	52.383	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	150647	50.429	ug/L	100
62) Bromoform	12.35	173	168047	55.579	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	591968	46.831	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	585963	46.962	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	516678	45.686	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	36753	48.876	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	446085	47.302	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	372714	49.600	ug/L	99
69) Naphthalene	15.36	128	661516	52.157	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	320834	49.598	ug/L	98

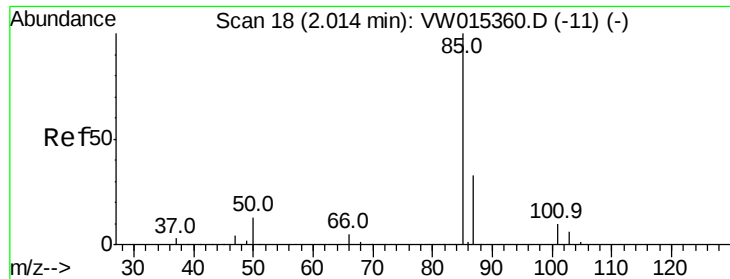
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 32.465 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

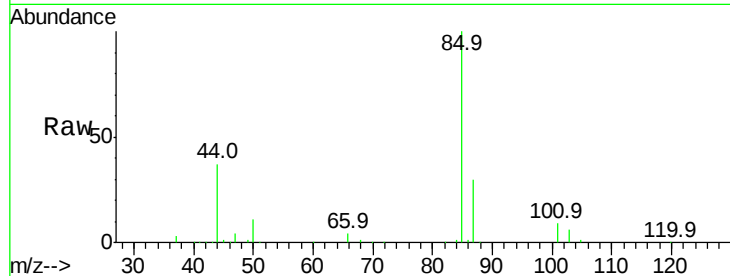
VSTD05004

Tgt Ion: 85 Resp: 181463

Ion Ratio Lower Upper

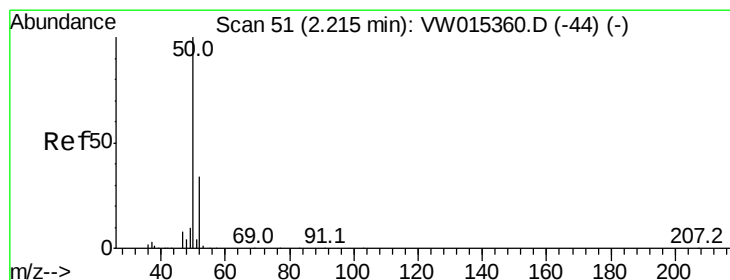
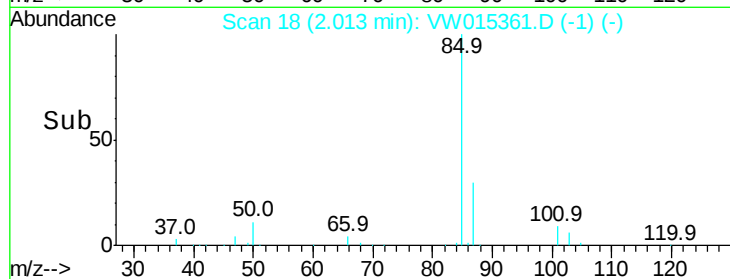
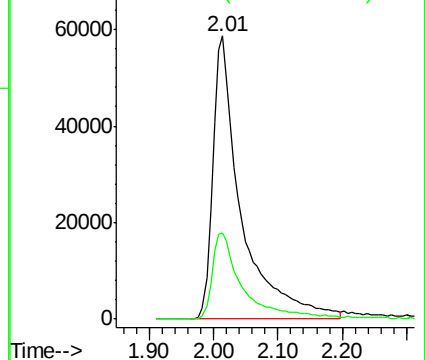
85 100

87 29.4 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 30.670 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015361.D

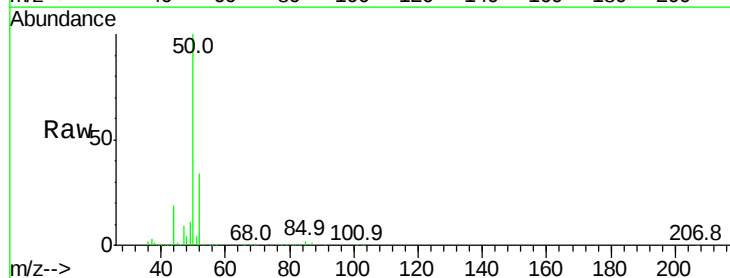
Acq: 28 Apr 2020 14:22

Tgt Ion: 50 Resp: 145411

Ion Ratio Lower Upper

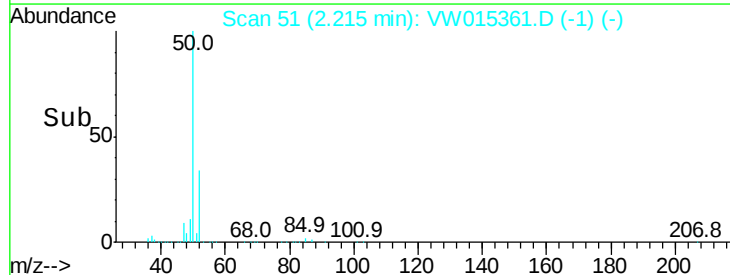
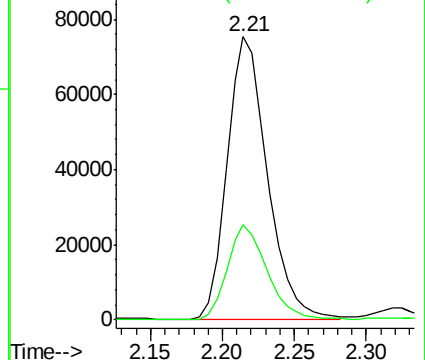
50 100

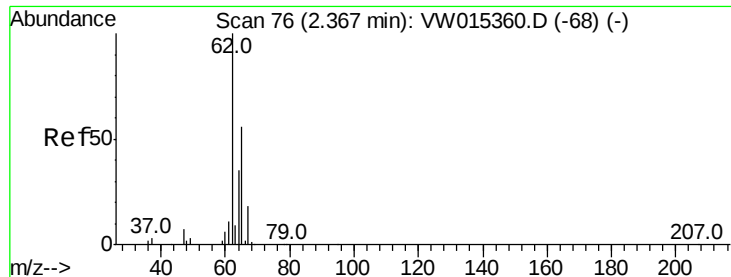
52 33.8 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 34.544 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

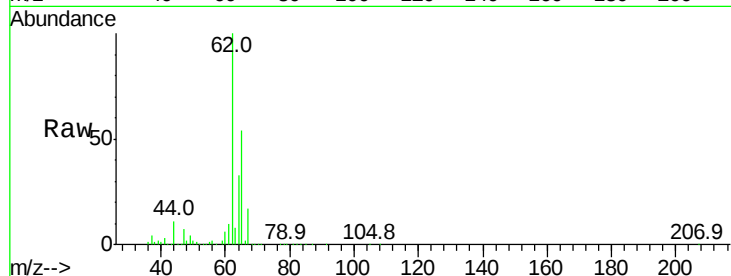
VSTD05004

Tgt Ion: 62 Resp: 191771

Ion Ratio Lower Upper

62 100

64 33.1 24.6 45.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

100000

80000

60000

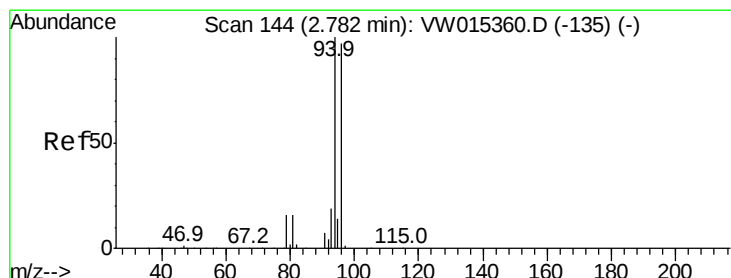
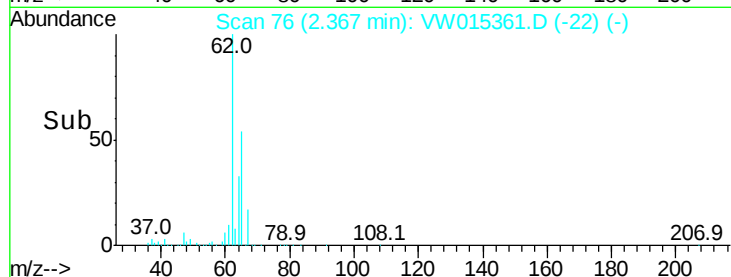
40000

20000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 42.364 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015361.D

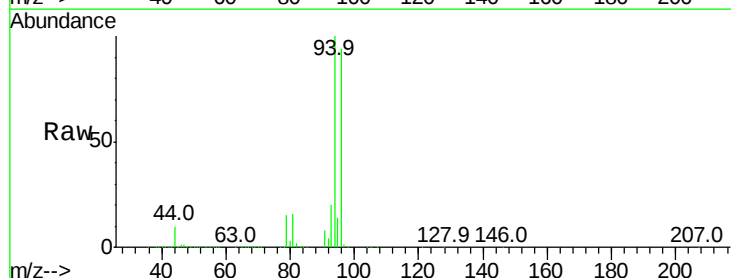
Acq: 28 Apr 2020 14:22

Tgt Ion: 94 Resp: 165294

Ion Ratio Lower Upper

94 100

96 94.4 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

80000

60000

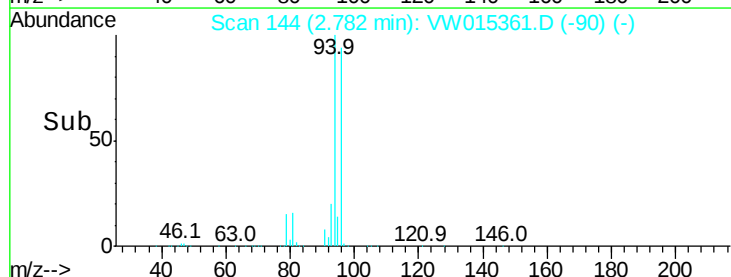
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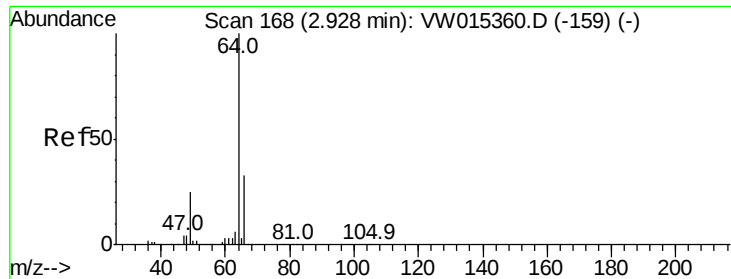
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 39.465 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

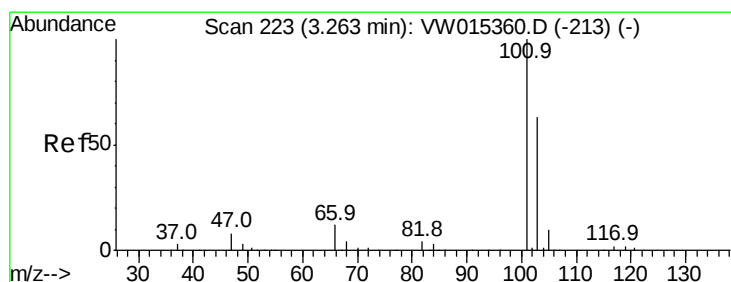
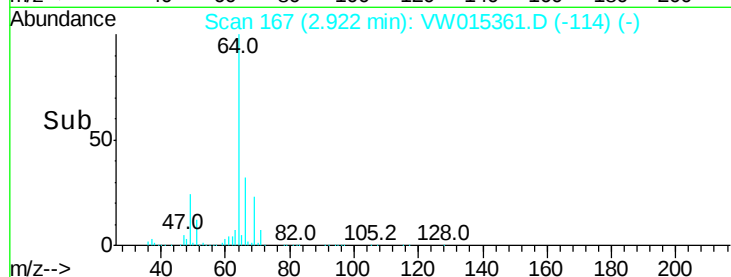
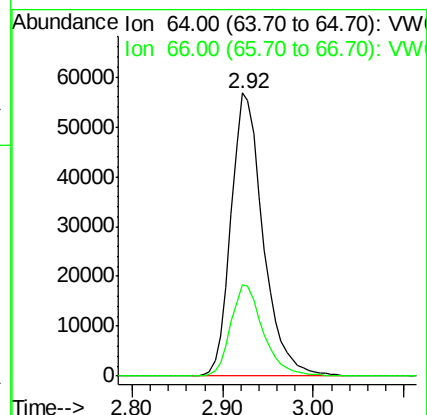
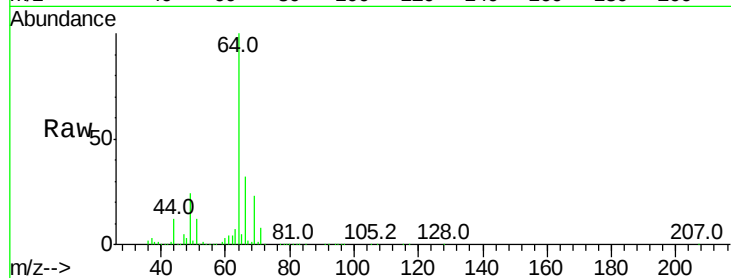
VSTD05004

Tgt Ion: 64 Resp: 139734

Ion Ratio Lower Upper

64 100

66 32.4 23.5 43.7



#9

Trichlorofluoromethane

Concen: 23.901 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015361.D

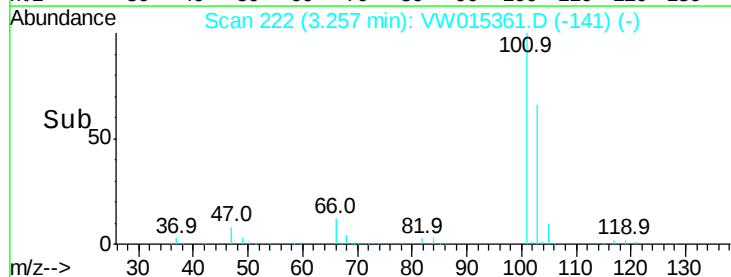
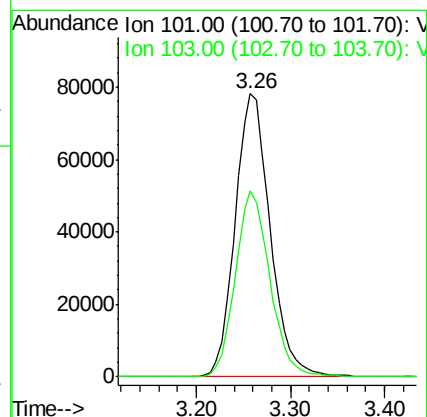
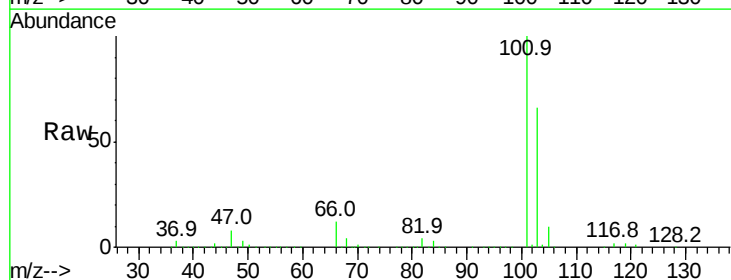
Acq: 28 Apr 2020 14:22

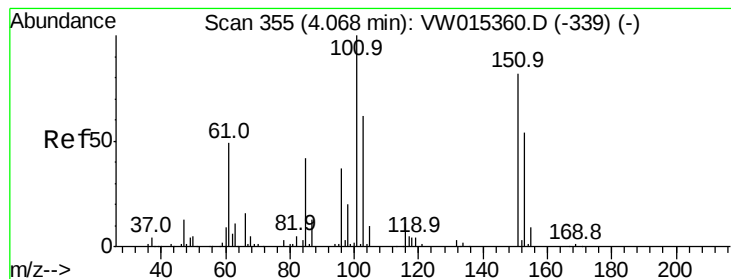
Tgt Ion: 101 Resp: 201641

Ion Ratio Lower Upper

101 100

103 65.1 45.4 84.4





#11

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

Concen: 42.822 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

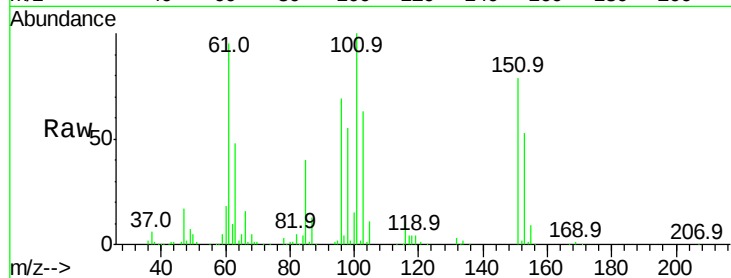
Tgt Ion:101 Resp: 222814

Ion Ratio Lower Upper

101 100

85 42.4 32.5 48.7

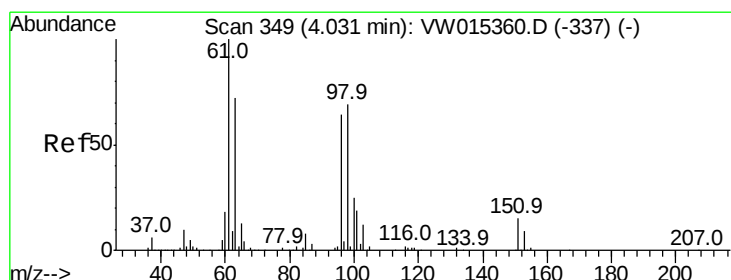
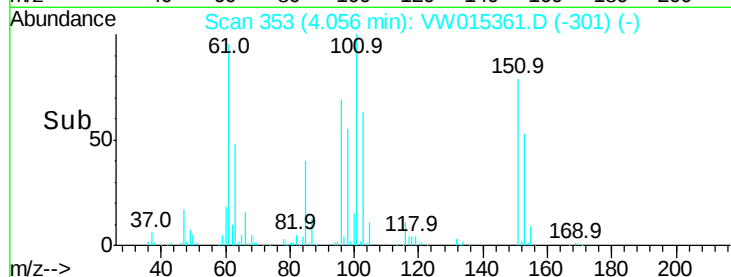
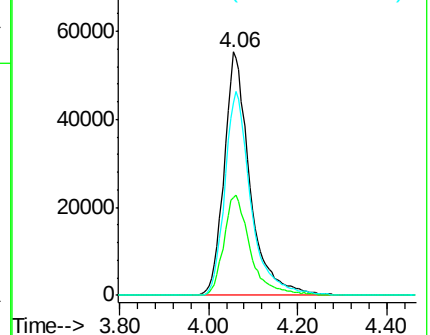
151 83.9 68.2 102.2



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: 45.140 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

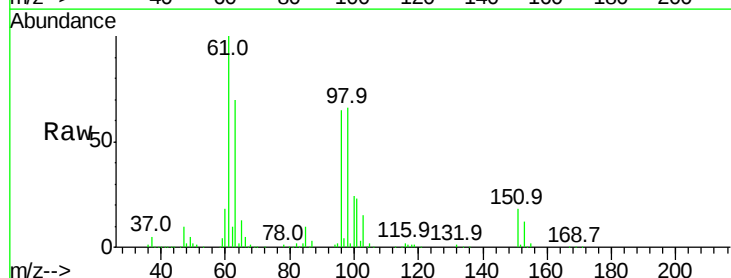
Tgt Ion: 96 Resp: 211374

Ion Ratio Lower Upper

96 100

61 153.4 109.1 202.7

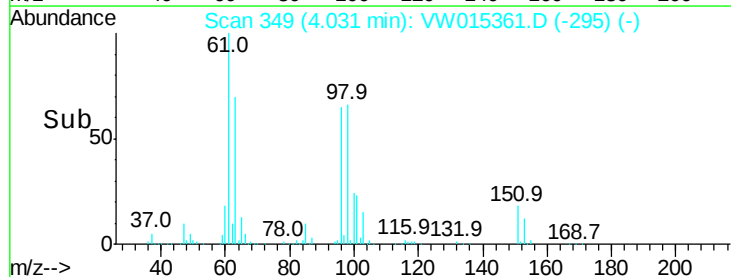
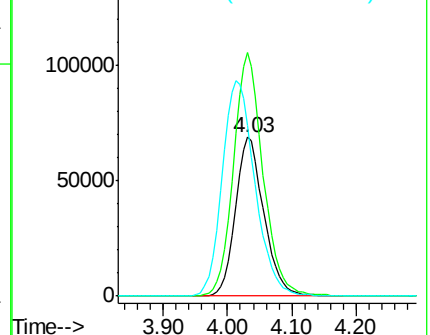
63 107.6 79.2 147.2

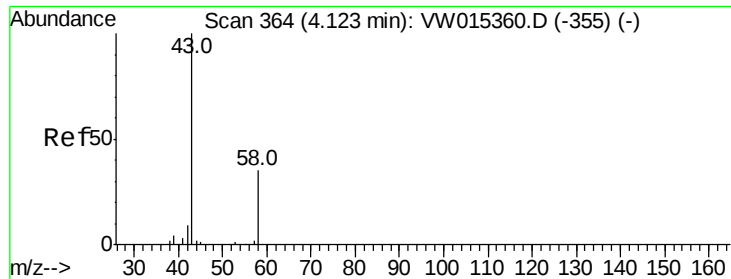


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 69.722 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

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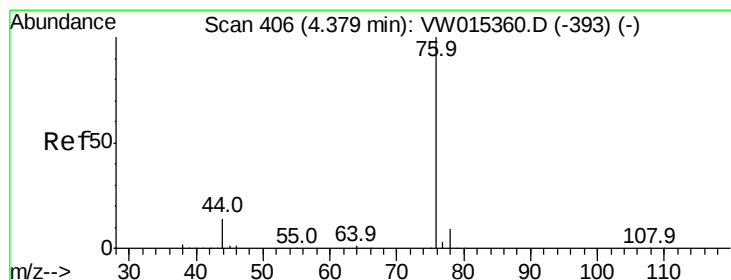
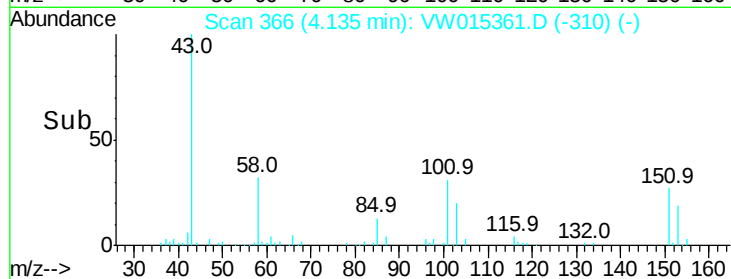
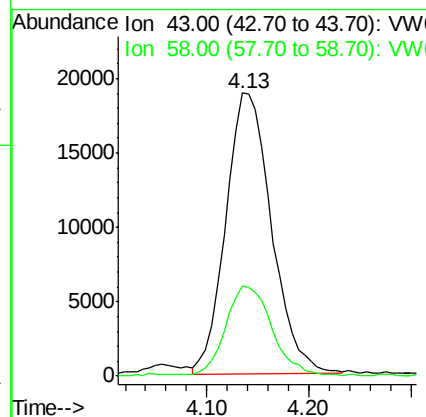
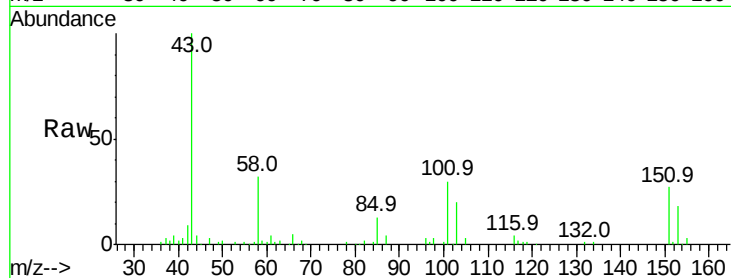
VSTD05004

Tgt Ion: 43 Resp: 58897

Ion Ratio Lower Upper

43 100

58 31.7 0.0 68.0



#14

Carbon disulfide

Concen: 40.236 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015361.D

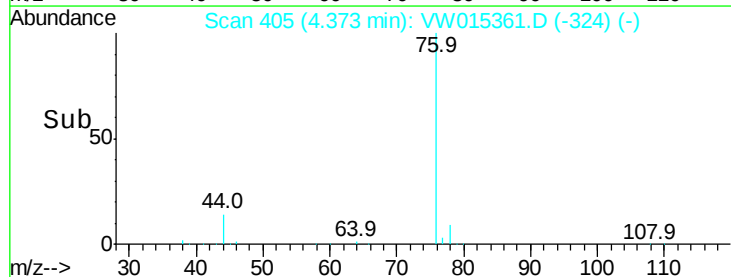
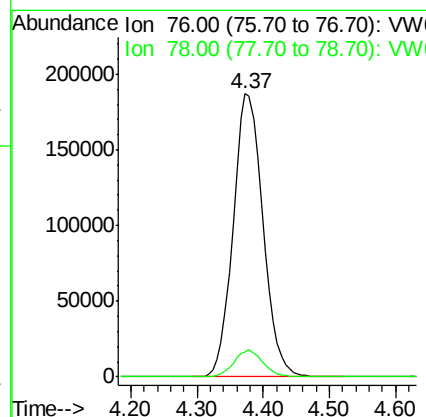
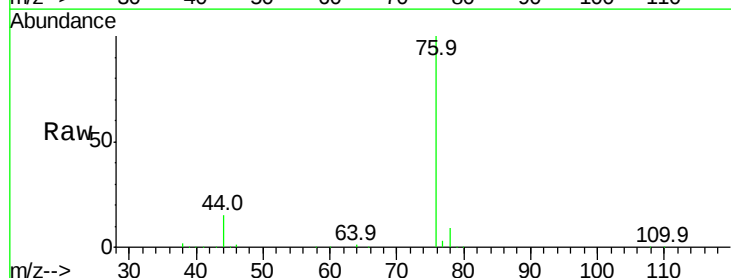
Acq: 28 Apr 2020 14:22

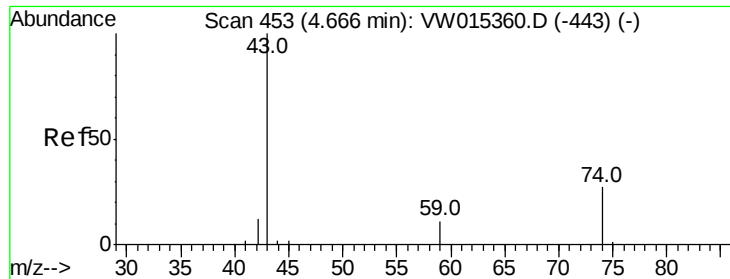
Tgt Ion: 76 Resp: 584758

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

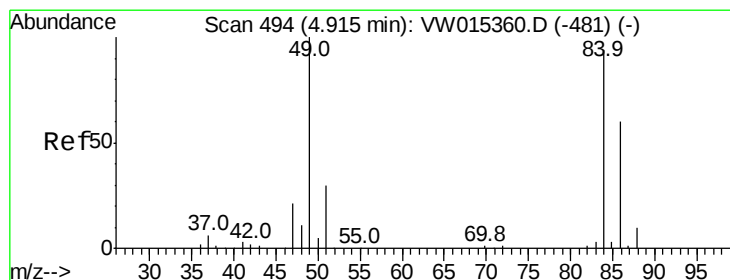
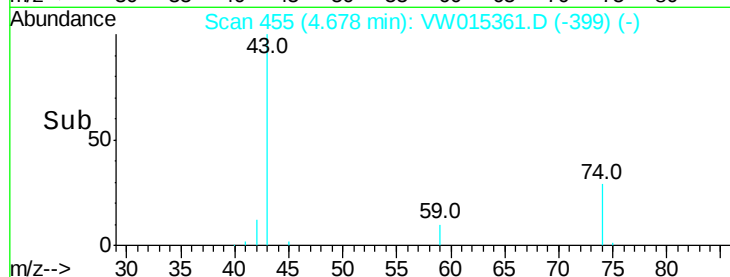
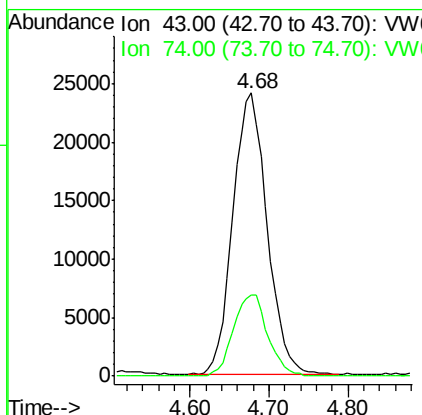
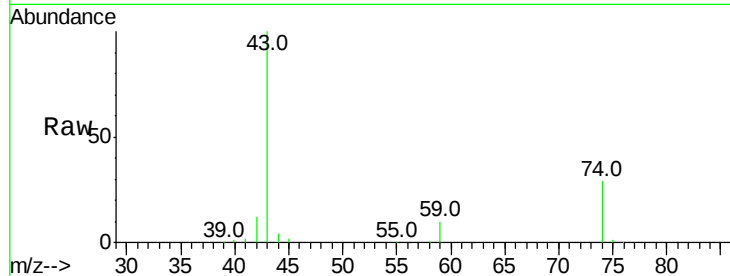




#15
Methyl Acetate
Concen: 44.828 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

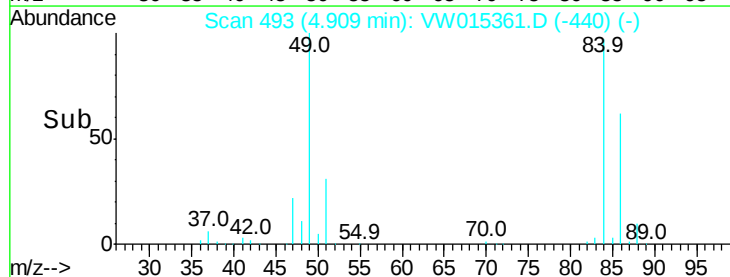
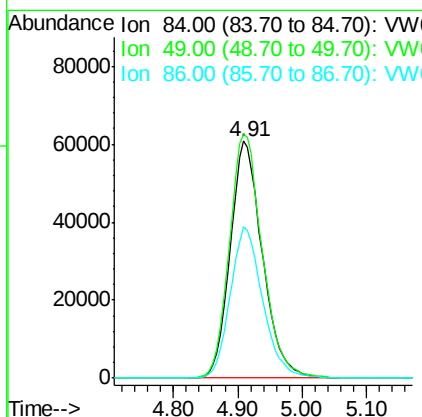
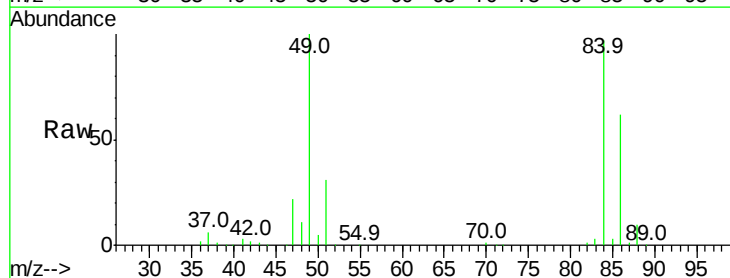
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

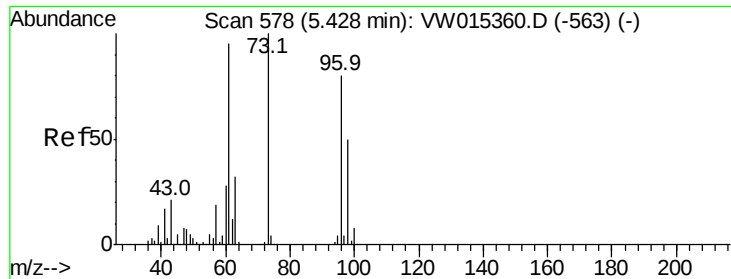
Tgt Ion: 43 Resp: 72861
Ion Ratio Lower Upper
43 100
74 29.1 23.5 35.3



#16
Methylene chloride
Concen: 41.061 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion: 84 Resp: 211635
Ion Ratio Lower Upper
84 100
49 102.8 74.6 138.6
86 64.0 44.6 82.8

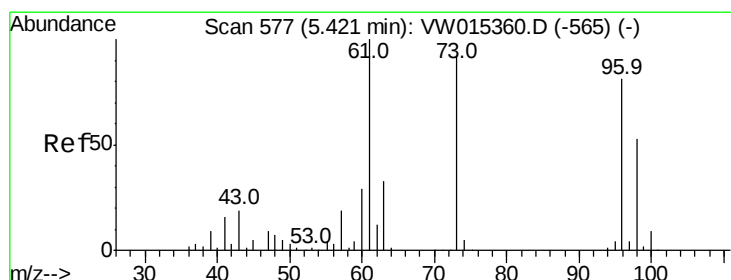
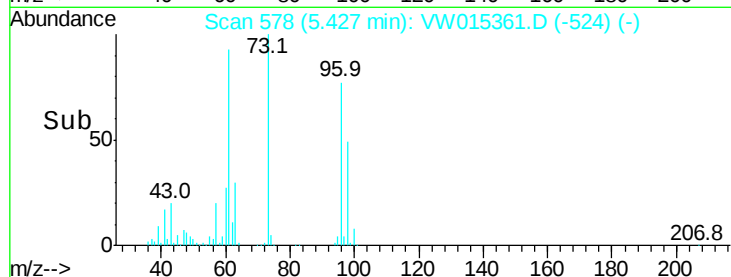
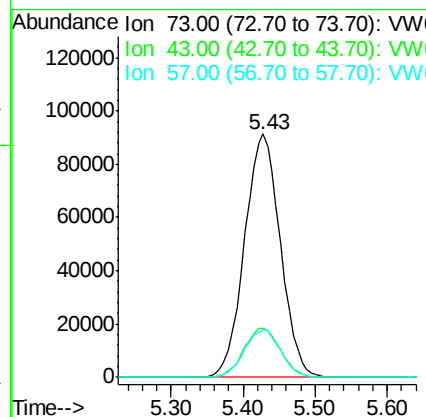
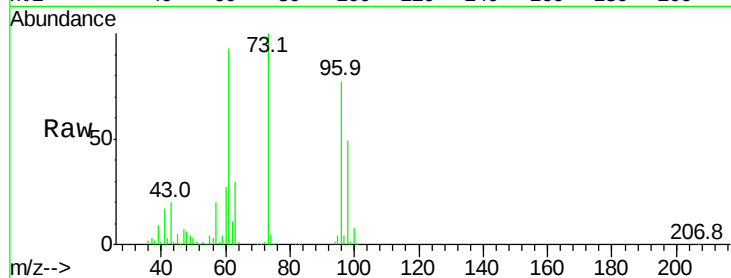




#17
Methyl tert-butyl Ether
Concen: 28.120 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

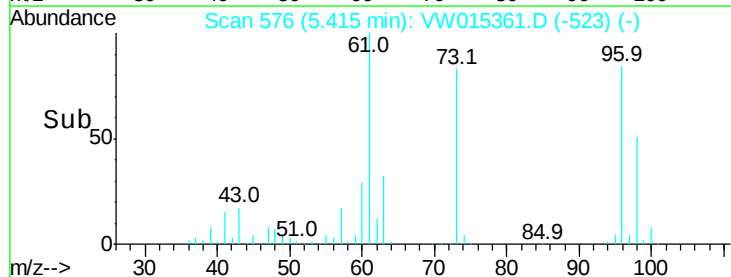
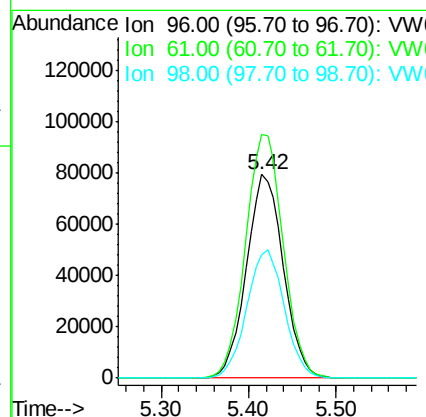
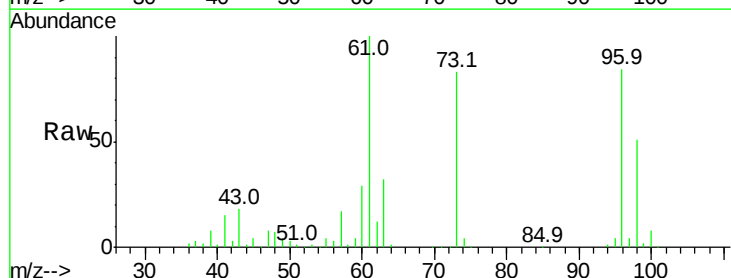
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

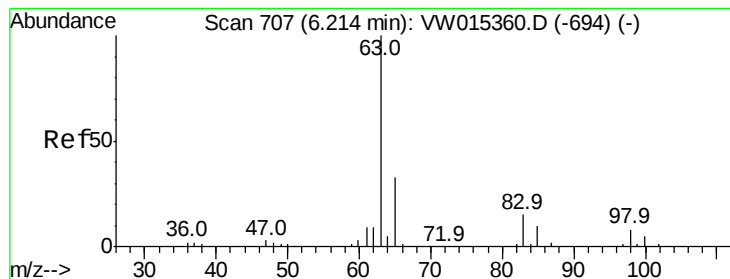
Tgt Ion: 73 Resp: 315078
Ion Ratio Lower Upper
73 100
43 20.5 16.7 25.1
57 19.8 15.9 23.9



#18
trans-1,2-Dichloroethene
Concen: 44.400 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion: 96 Resp: 232420
Ion Ratio Lower Upper
96 100
61 119.7 86.4 160.4
98 60.9 45.3 84.1





#19

1,1-Dichloroethane

Concen: 45.245 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleID :

VSTD05004

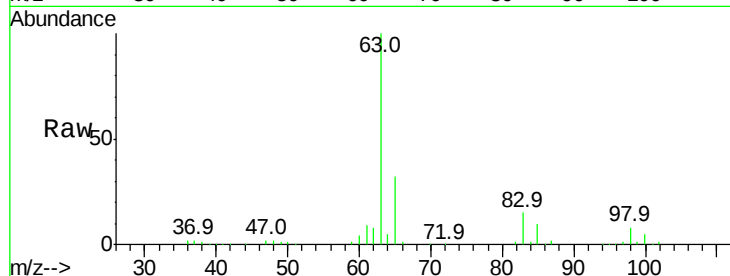
Tgt Ion: 63 Resp: 363006

Ion Ratio Lower Upper

63 100

65 32.0 23.2 43.0

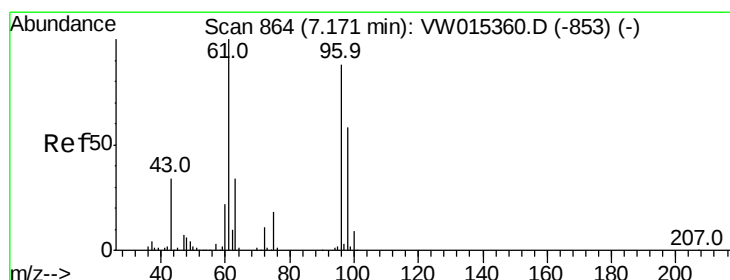
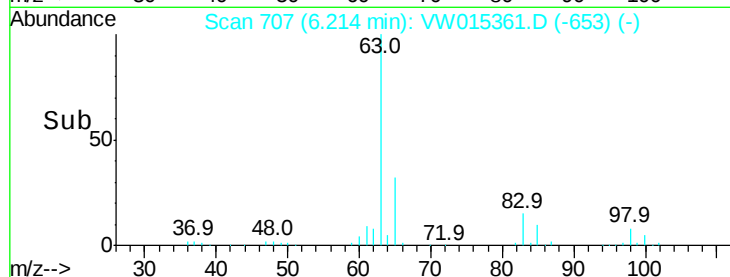
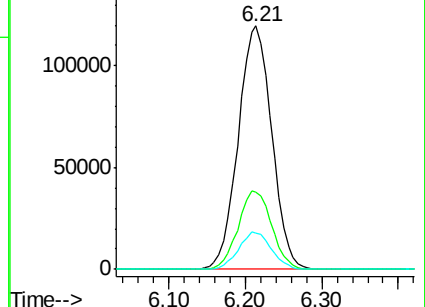
83 14.8 10.4 19.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 83.444 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015361.D

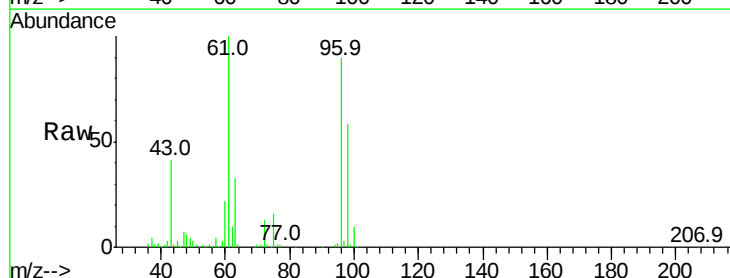
Acq: 28 Apr 2020 14:22

Tgt Ion: 43 Resp: 97785

Ion Ratio Lower Upper

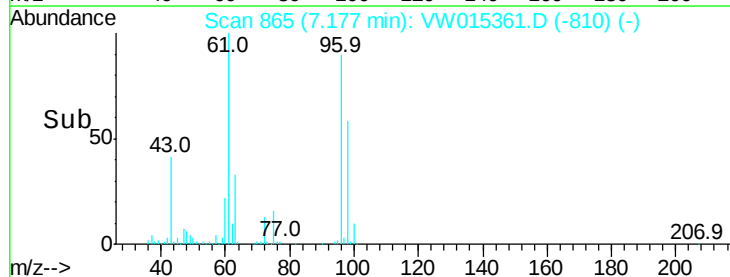
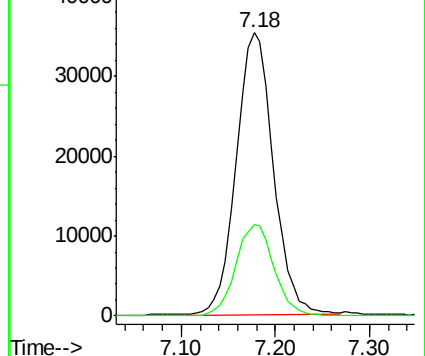
43 100

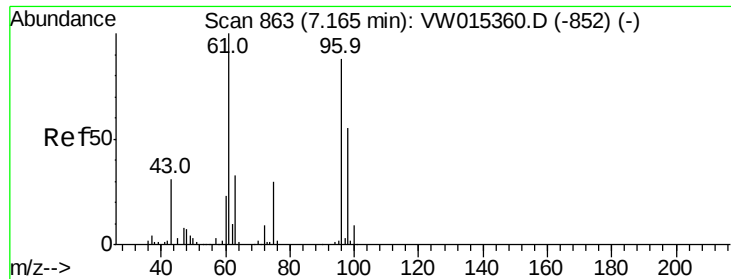
72 33.4 16.0 47.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



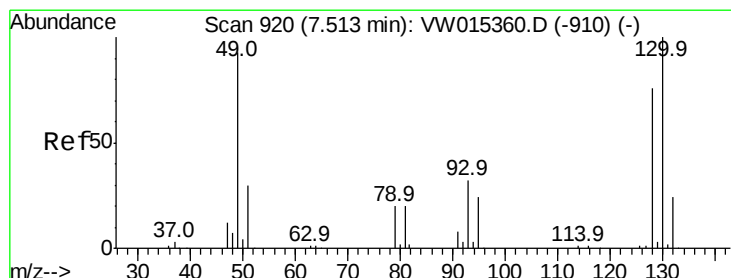
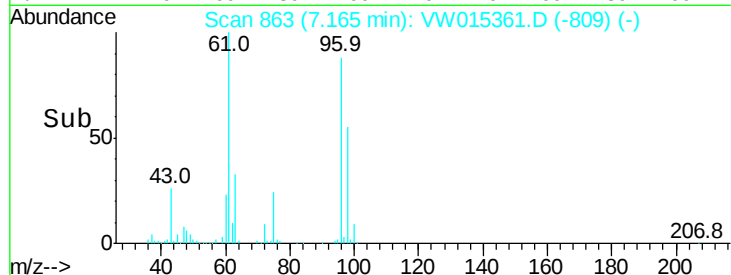
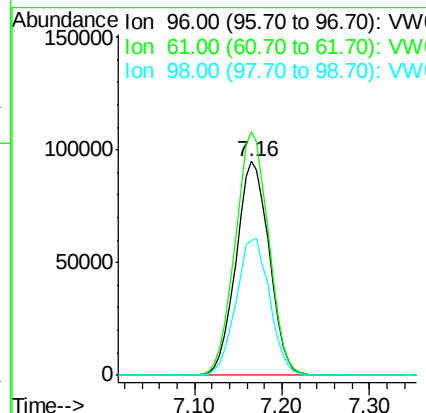
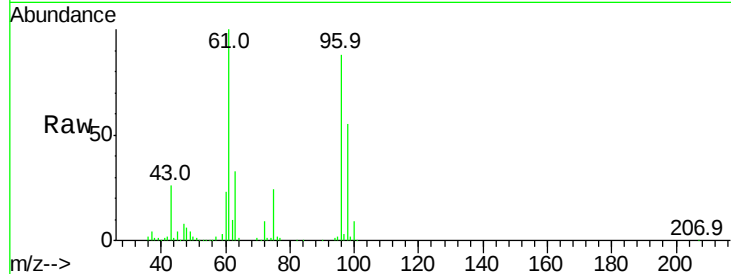


#22

cis-1,2-Dichloroethene
Concen: 45.757 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

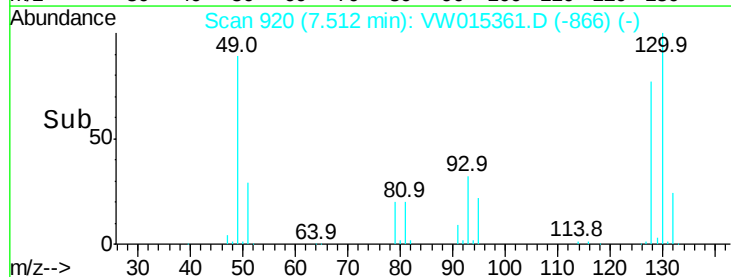
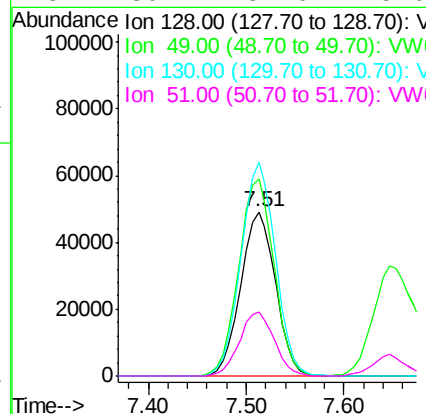
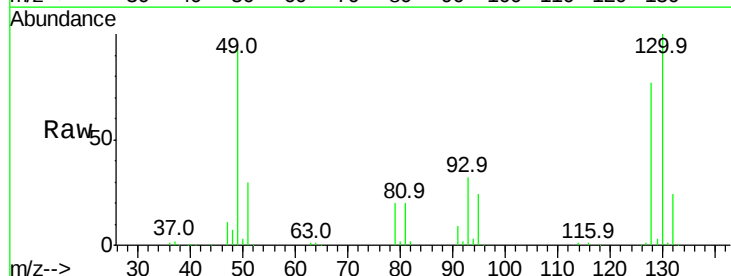
Tgt Ion: 96 Resp: 251035
Ion Ratio Lower Upper
96 100
61 113.8 79.3 147.3
98 62.8 43.6 81.0

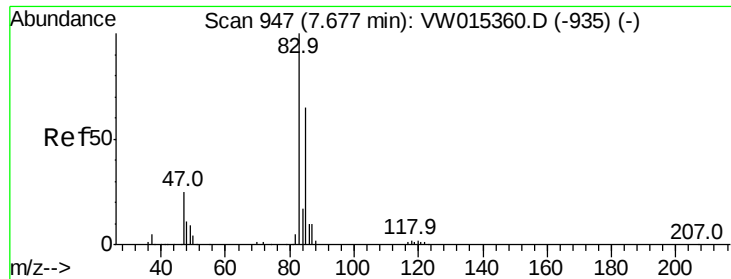


#23

Bromochloromethane
Concen: 47.813 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion: 128 Resp: 121676
Ion Ratio Lower Upper
128 100
49 120.6 85.8 159.4
130 130.3 92.2 171.2
51 39.2 32.0 48.0

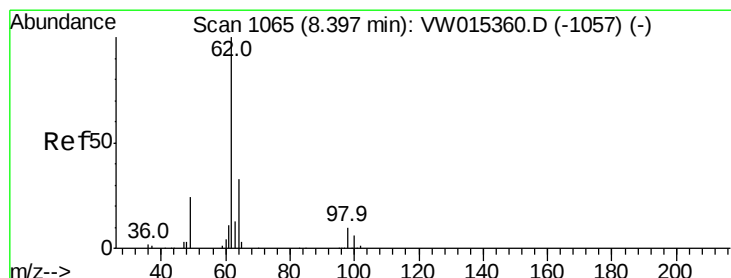
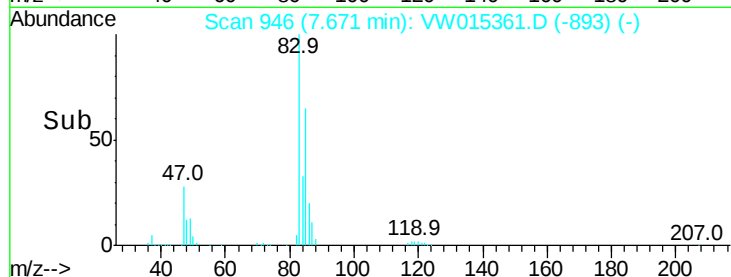
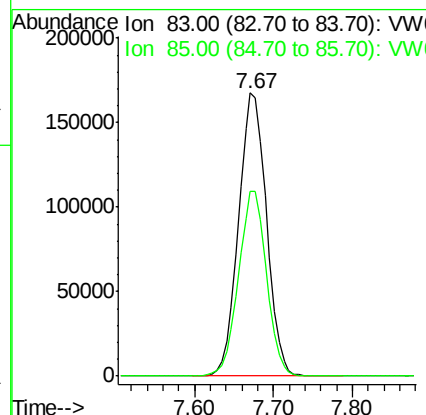
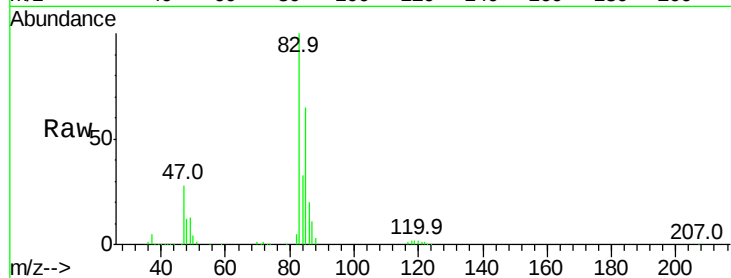




#25
Chloroform
Concen: 39.013 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

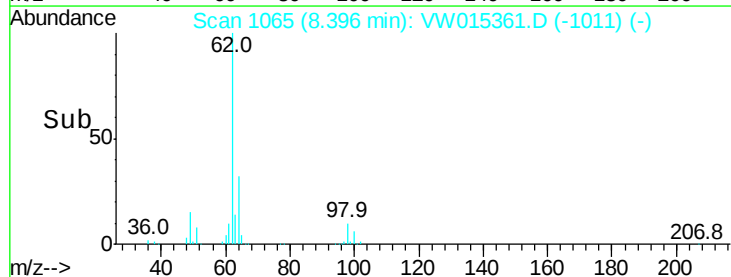
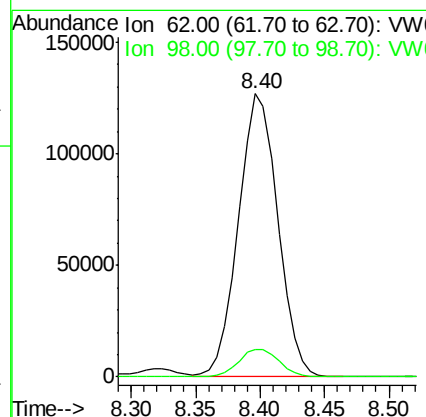
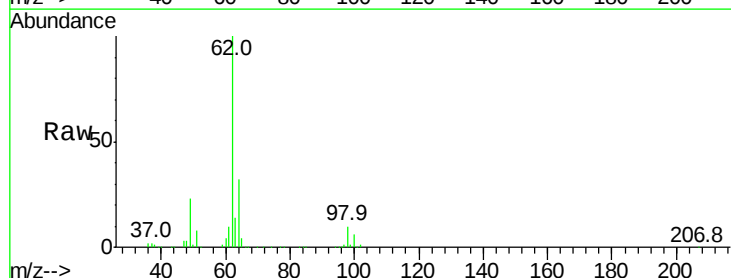
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

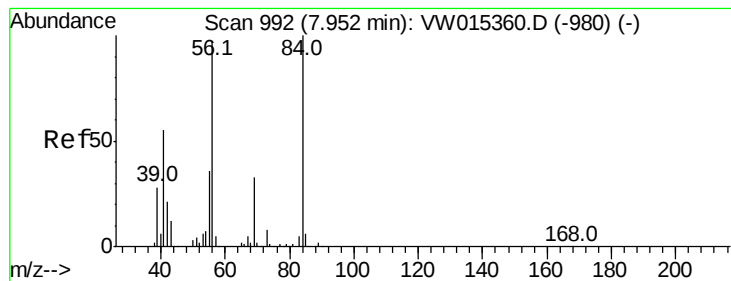
Tgt Ion: 83 Resp: 412393
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 47.262 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion: 62 Resp: 270047
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9





#30

Cyclohexane

Concen: 45.239 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

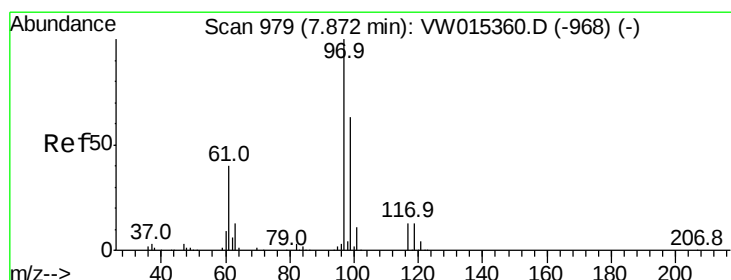
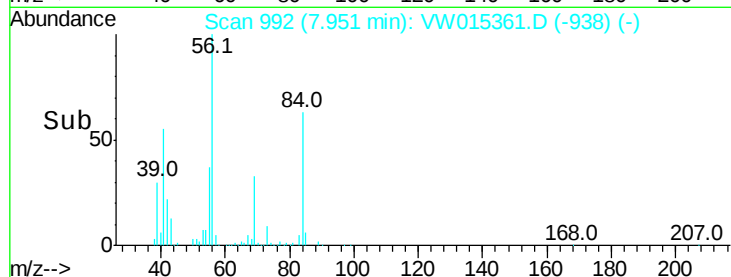
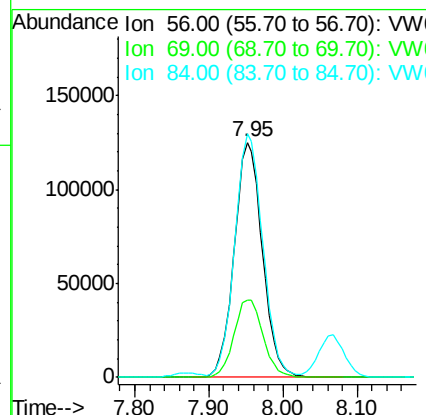
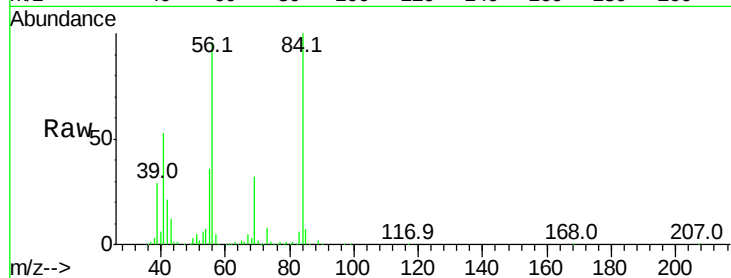
Tgt Ion: 56 Resp: 331537

Ion Ratio Lower Upper

56 100

69 34.2 27.4 41.2

84 103.3 83.2 124.8



#31

1,1,1-Trichloroethane

Concen: 42.892 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

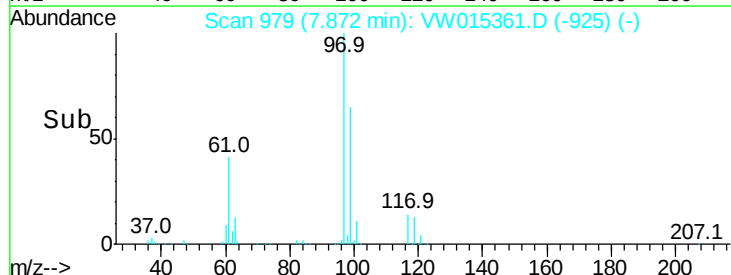
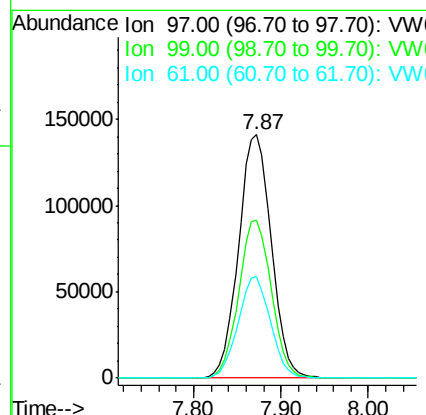
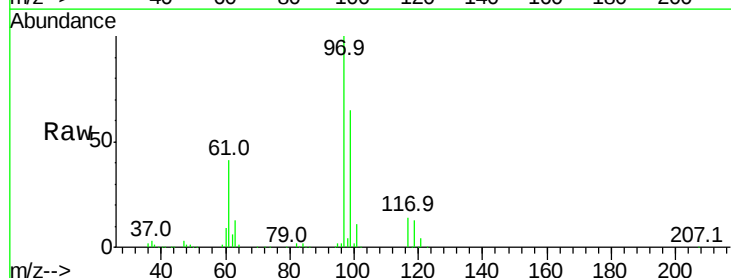
Tgt Ion: 97 Resp: 367551

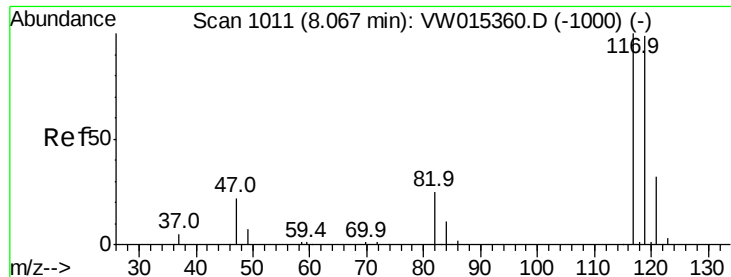
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

61 41.3 32.8 49.2





#32

Carbon tetrachloride

Concen: 46.566 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

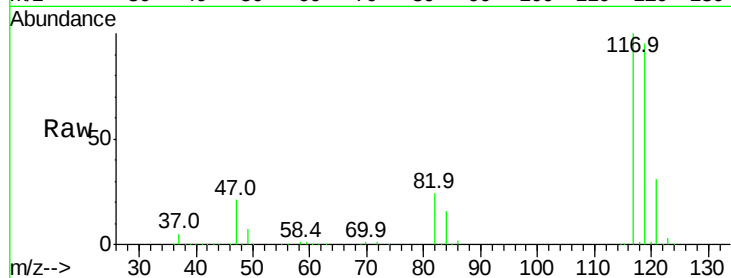
VSTD05004

Tgt Ion:117 Resp: 356463

Ion Ratio Lower Upper

117 100

119 96.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

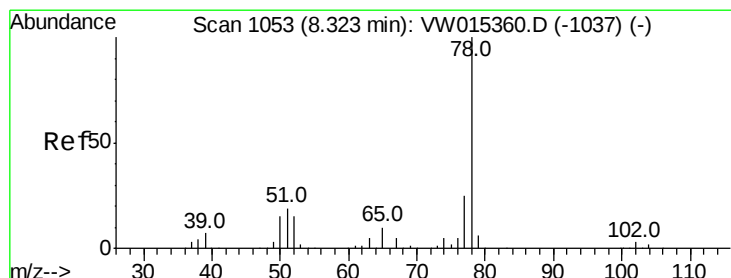
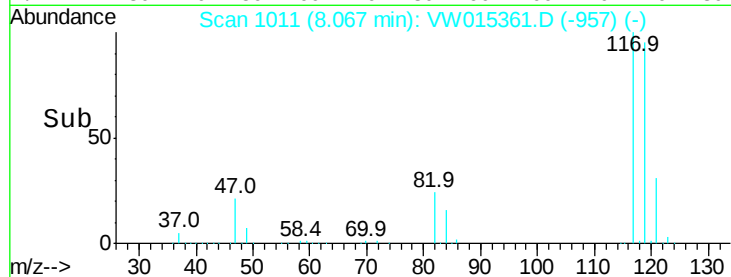
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 47.856 ug/L

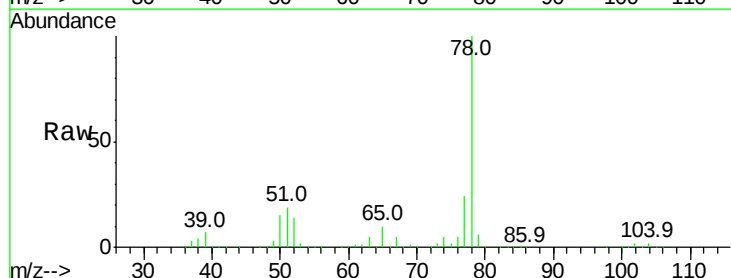
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Tgt Ion: 78 Resp: 881243



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

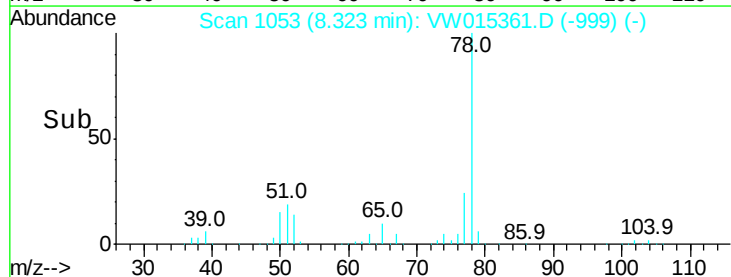
300000

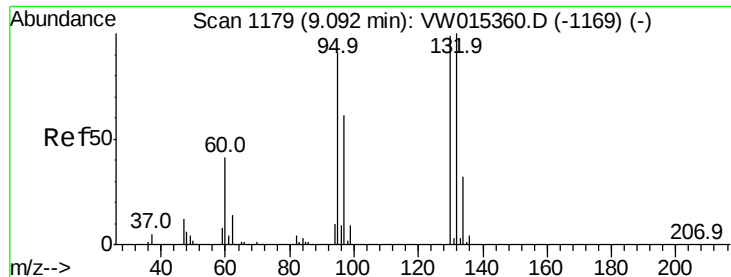
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 47.088 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 95 Resp: 251581

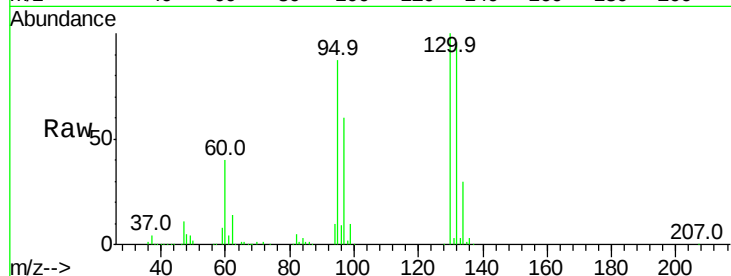
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 108.1 75.2 139.6

130 111.5 76.7 142.5

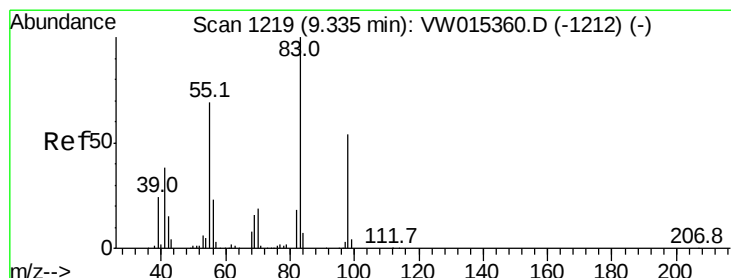
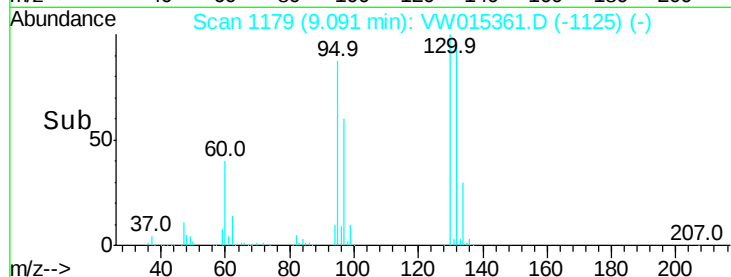
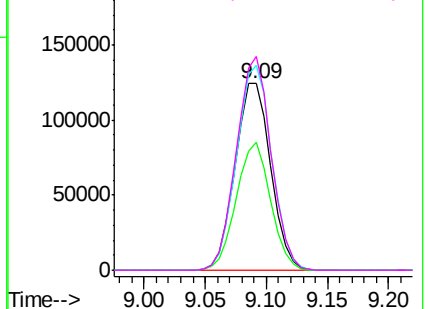


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 47.629 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

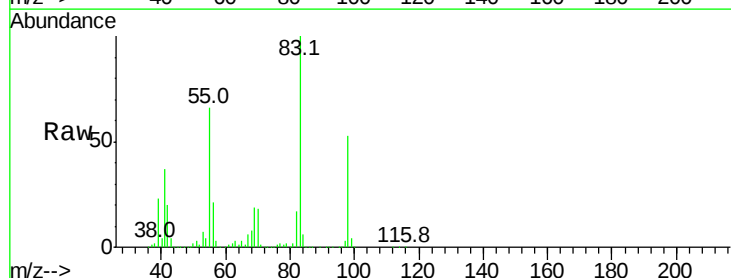
Tgt Ion: 83 Resp: 431694

Ion Ratio Lower Upper

83 100

55 66.7 53.7 80.5

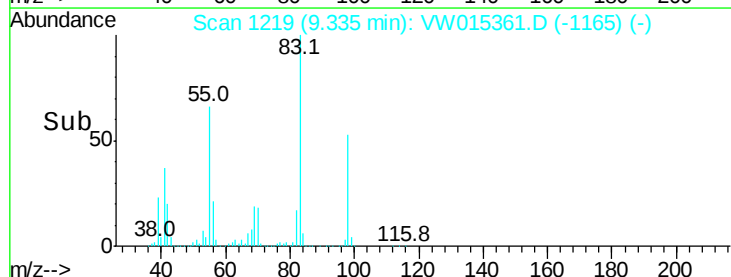
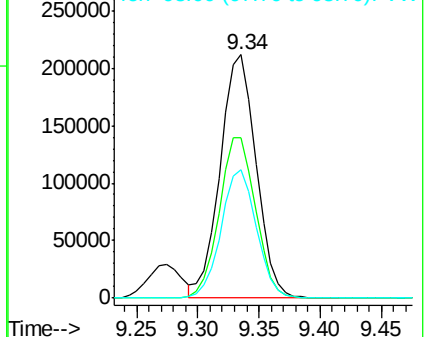
98 51.8 42.3 63.5

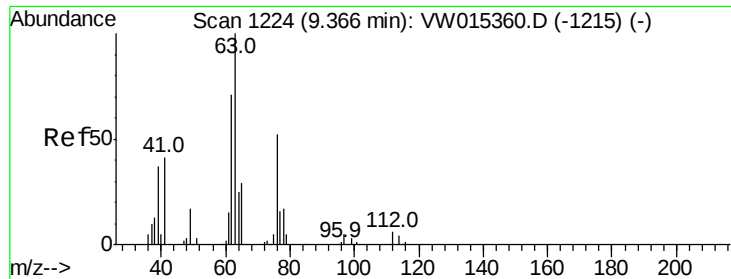


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

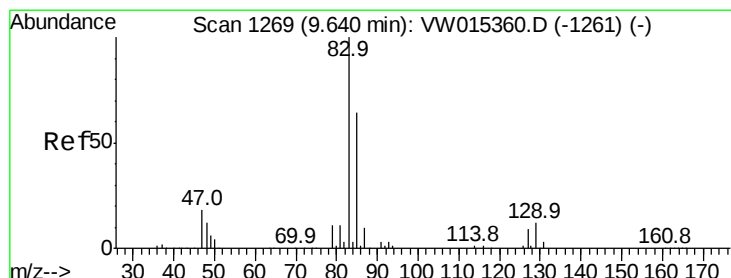
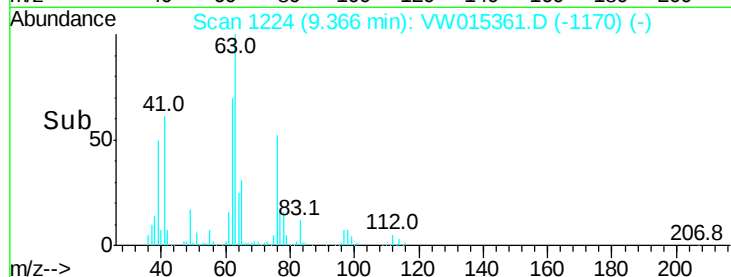
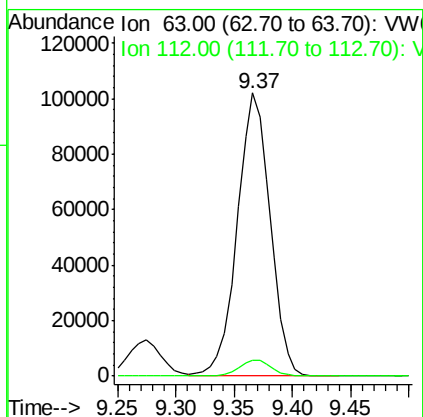
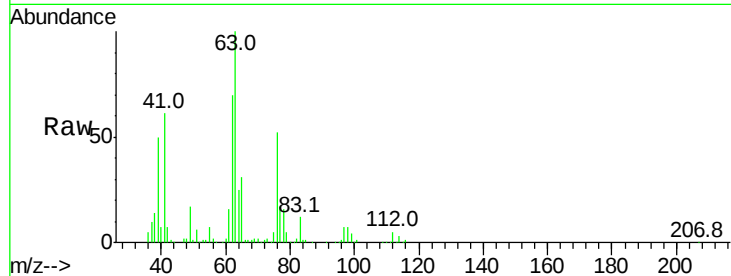




#40
 1,2-Dichloropropane
 Concen: 48.033 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015361.D
 Acq: 28 Apr 2020 14:22

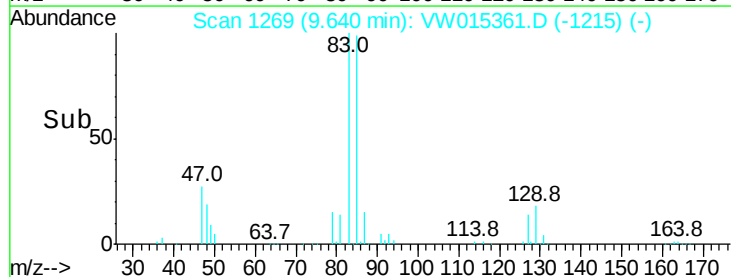
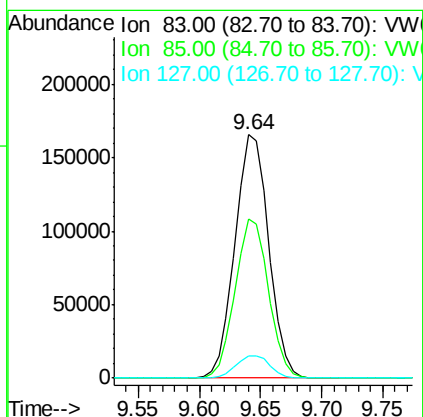
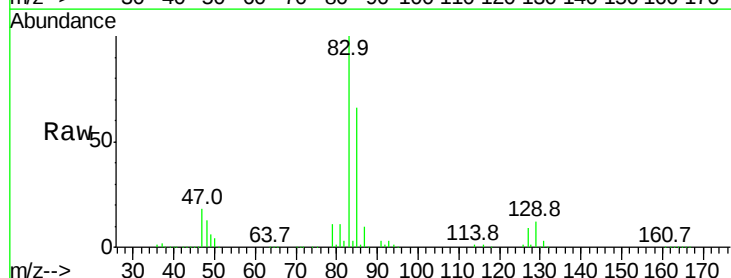
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

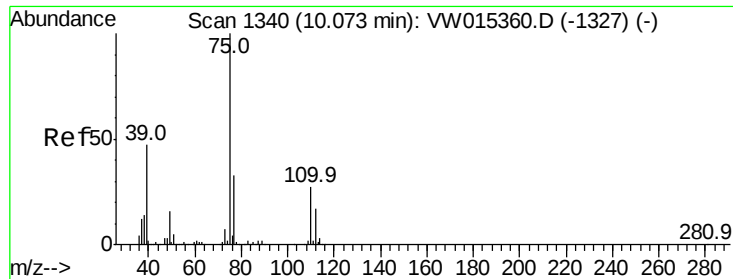
Tgt Ion: 63 Resp: 201241
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.6 6.8



#41
 Bromodichloromethane
 Concen: 48.873 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015361.D
 Acq: 28 Apr 2020 14:22

Tgt Ion: 83 Resp: 317239
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.7 83.1
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 48.662 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

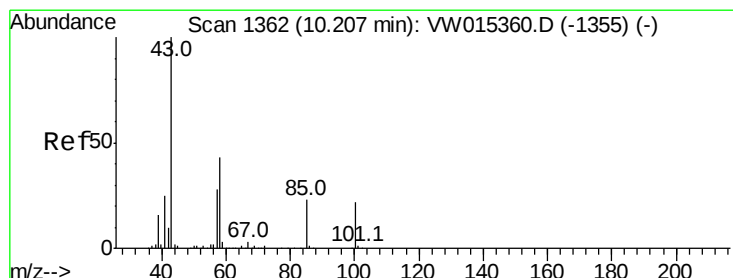
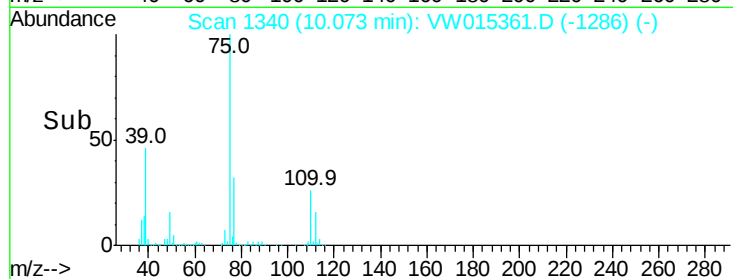
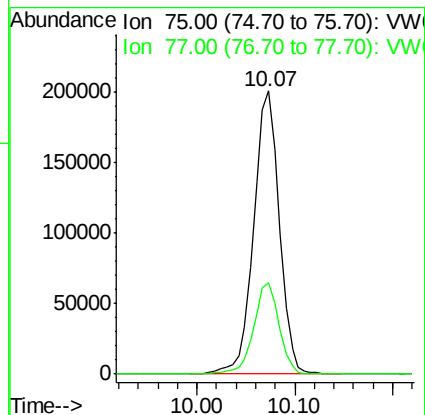
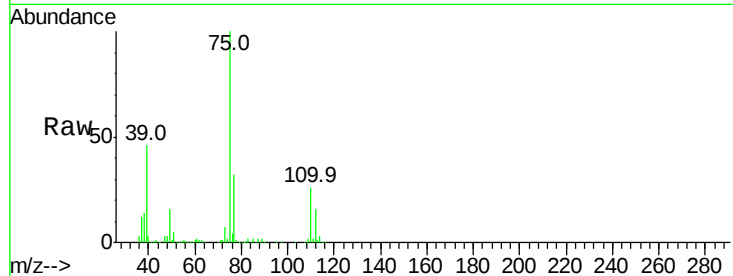
VSTD05004

Tgt Ion: 75 Resp: 364640

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 105.364 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

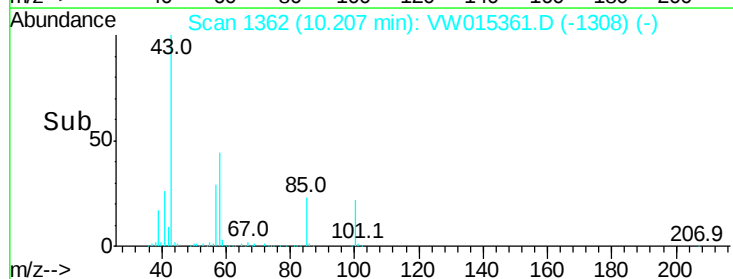
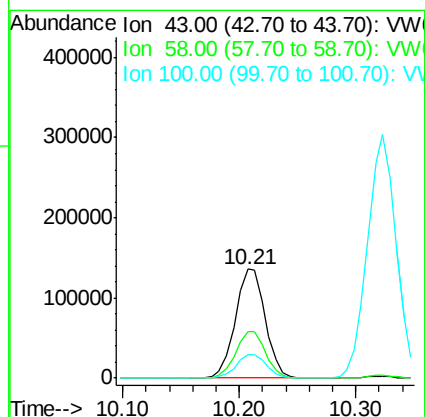
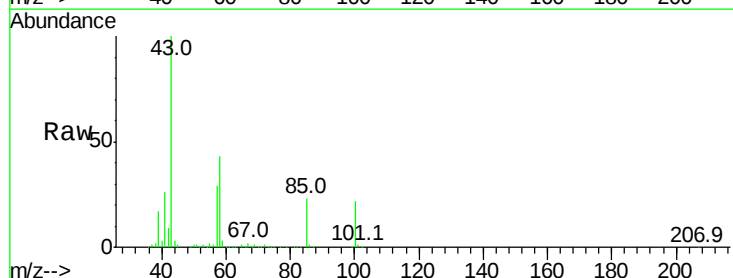
Tgt Ion: 43 Resp: 243170

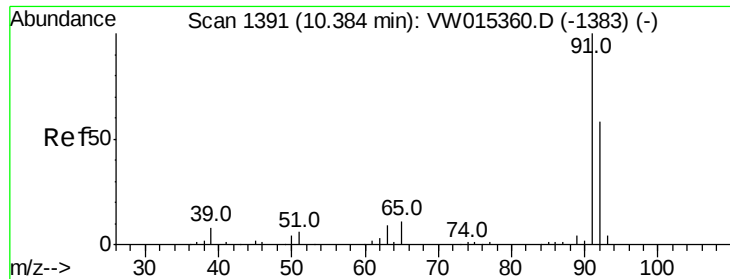
Ion Ratio Lower Upper

43 100

58 43.0 34.2 51.4

100 22.0 17.2 25.8





#44

Toluene

Concen: 47.085 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

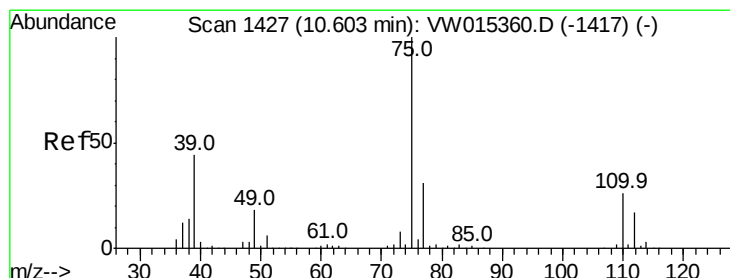
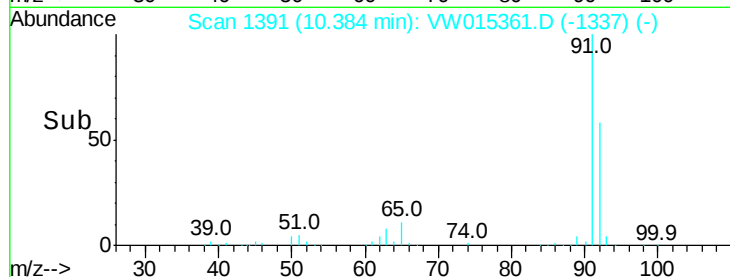
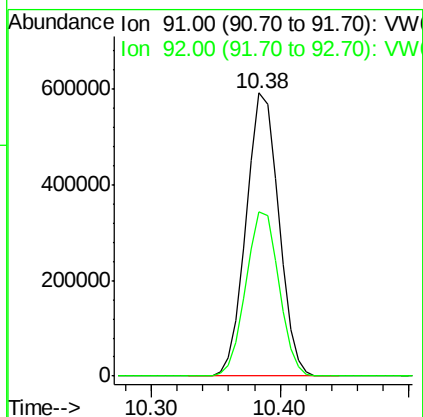
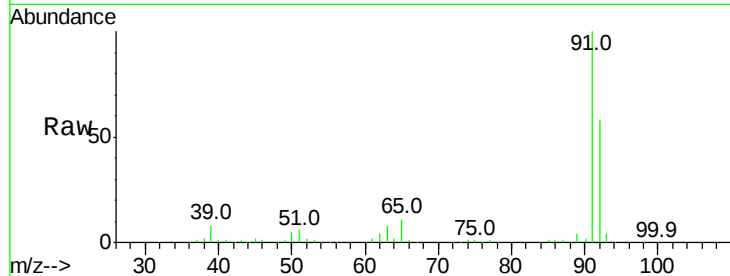
VSTD05004

Tgt Ion: 91 Resp: 1036602

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 49.788 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015361.D

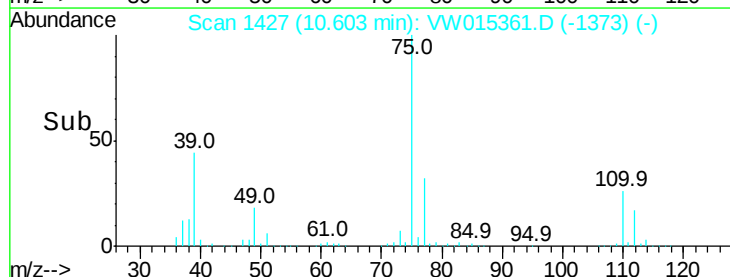
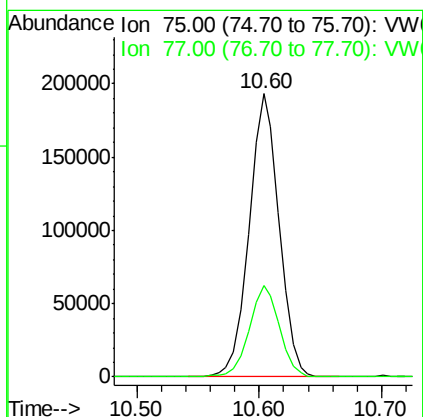
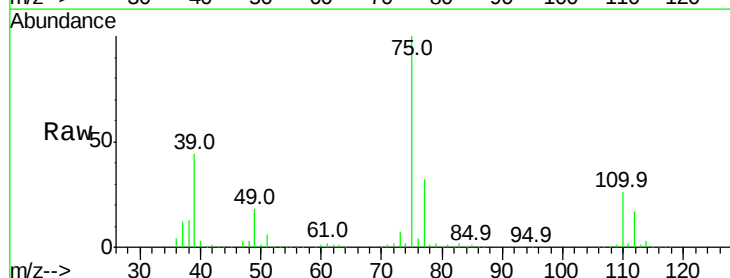
Acq: 28 Apr 2020 14:22

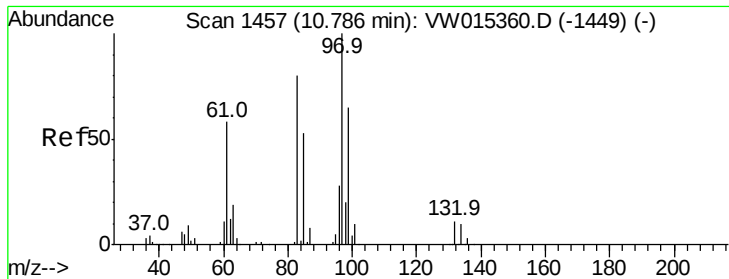
Tgt Ion: 75 Resp: 329071

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 50.263 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 180181

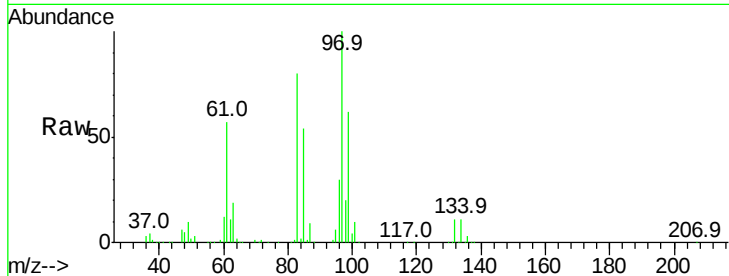
Ion Ratio Lower Upper

97 100

83 80.3 56.1 104.1

85 54.3 37.2 69.0

99 61.7 45.6 84.6

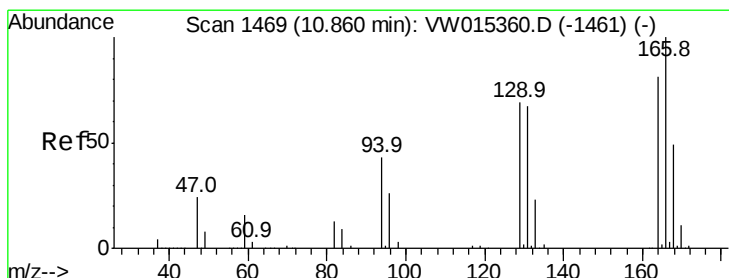
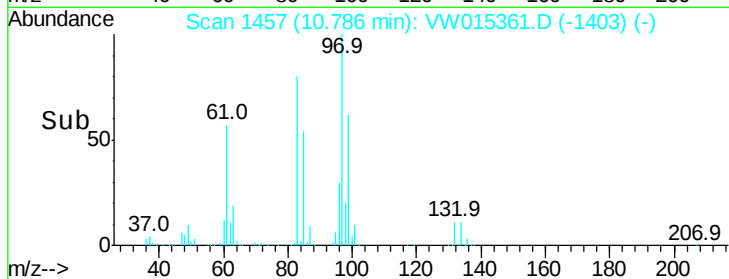
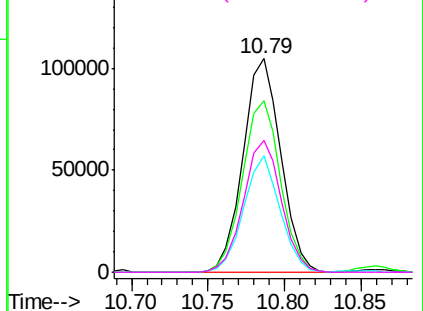


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 49.073 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Tgt Ion: 164 Resp: 246354

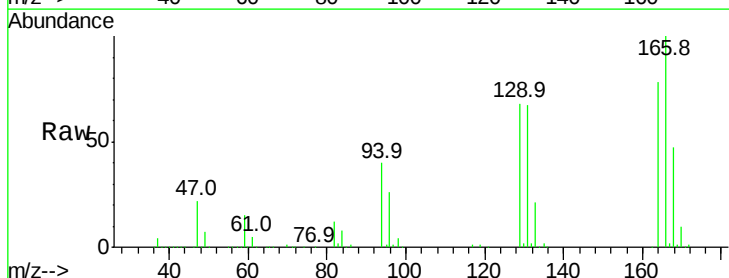
Ion Ratio Lower Upper

164 100

129 86.9 60.0 111.4

131 85.4 58.0 107.8

166 128.4 86.5 160.6

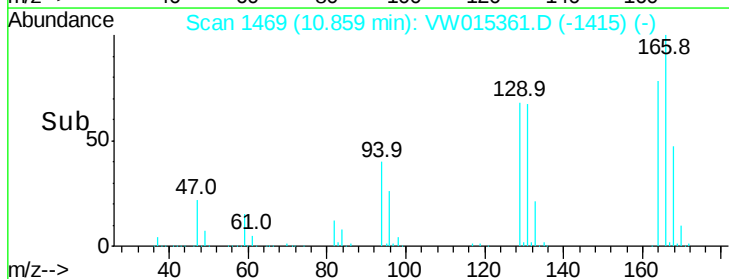
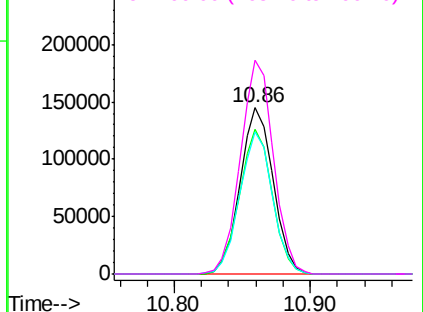


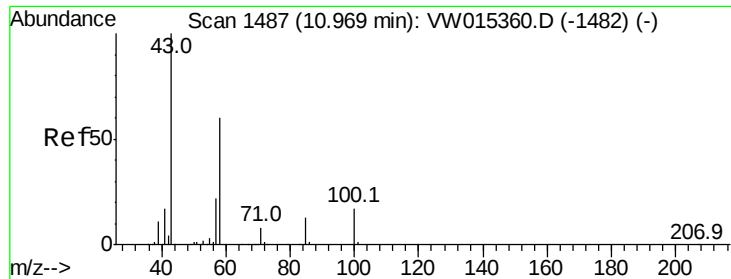
Abundance Ion 164.00 (163.70 to 164.70): V

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

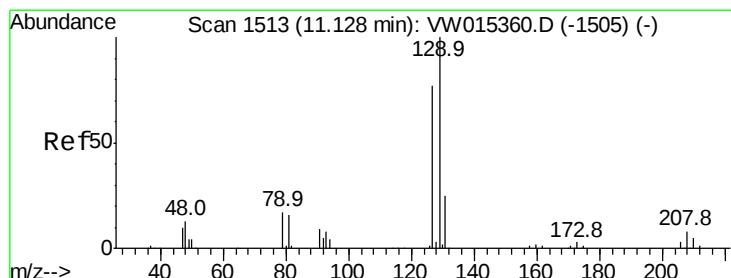
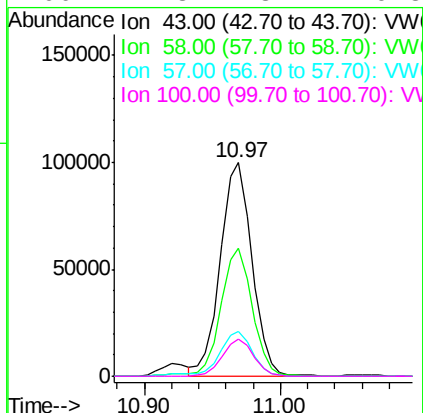
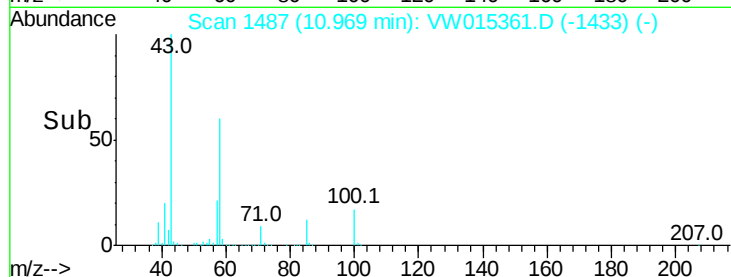
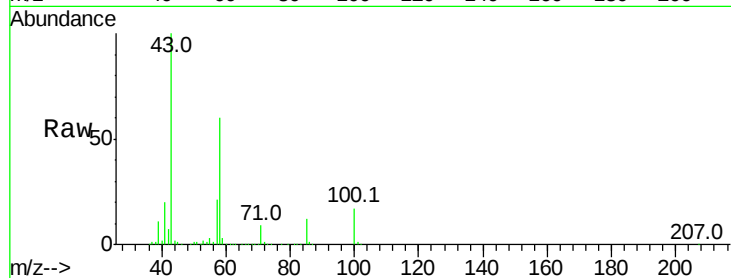




#49
2-Hexanone
Concen: 95.294 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

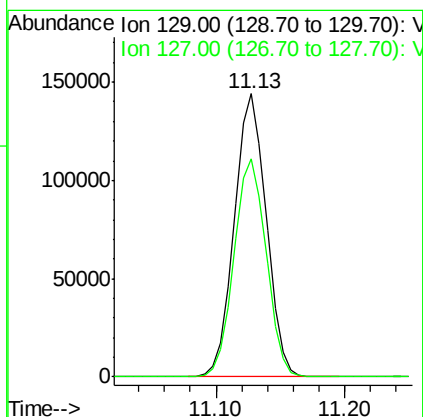
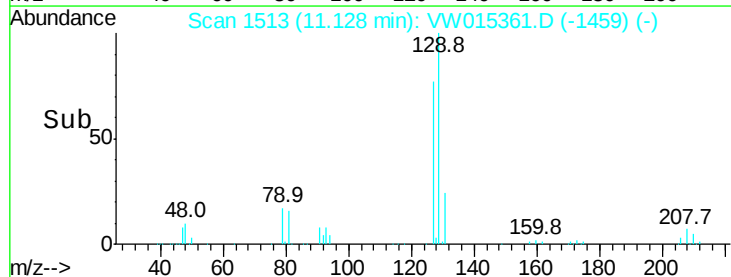
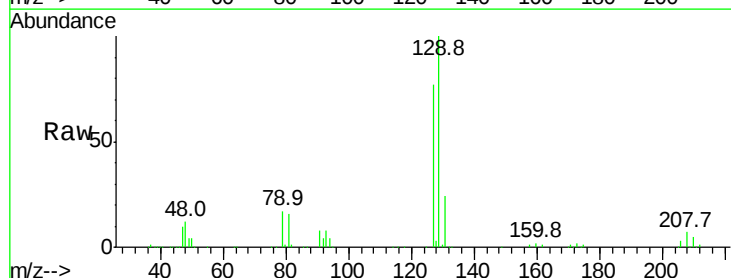
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

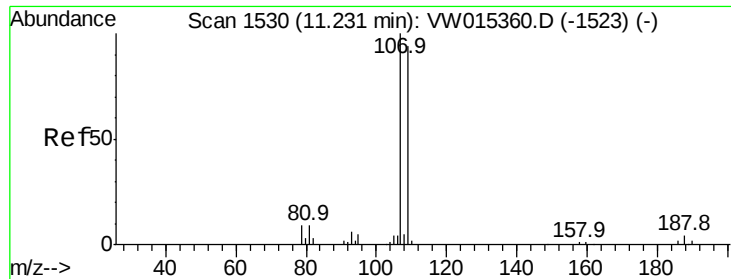
Tgt Ion: 43 Resp: 161445
Ion Ratio Lower Upper
43 100
58 59.1 47.1 70.7
57 21.2 16.9 25.3
100 17.3 13.2 19.8



#50
Dibromochloromethane
Concen: 51.842 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion: 129 Resp: 247705
Ion Ratio Lower Upper
129 100
127 77.1 53.9 100.1

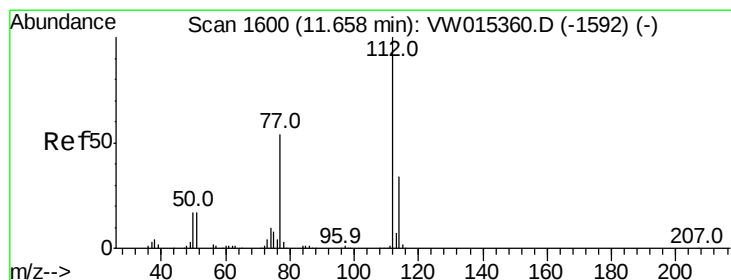
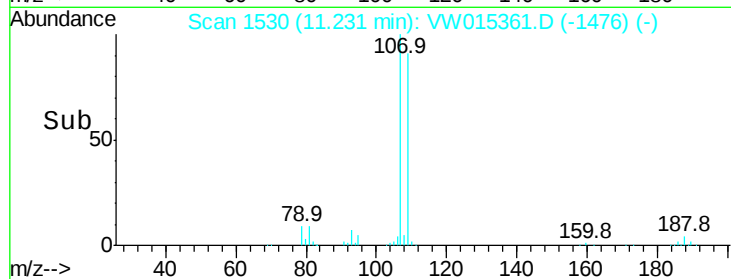
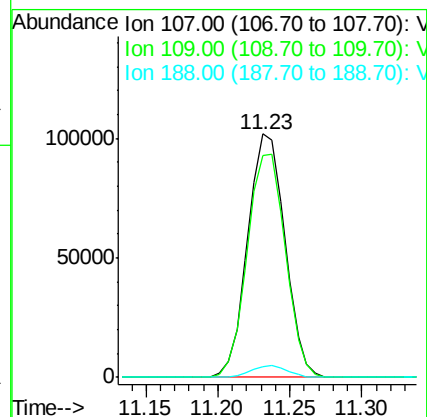
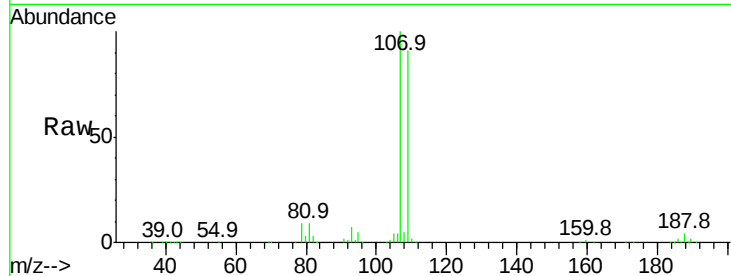




#51
1,2-Dibromoethane
Concen: 50.961 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

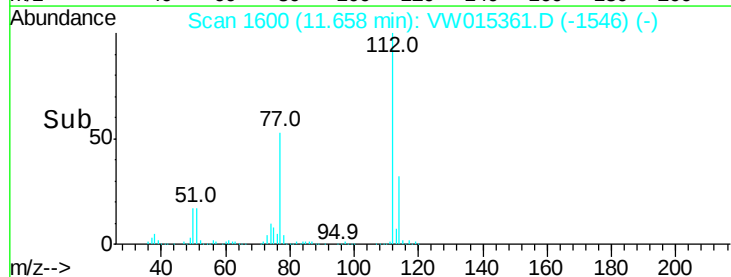
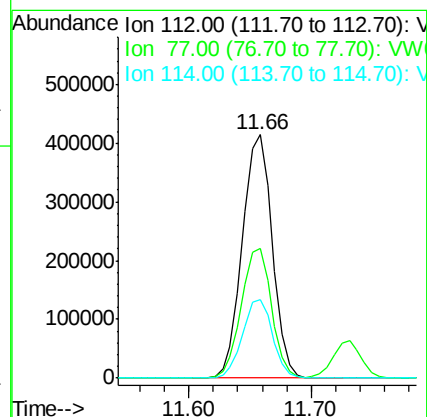
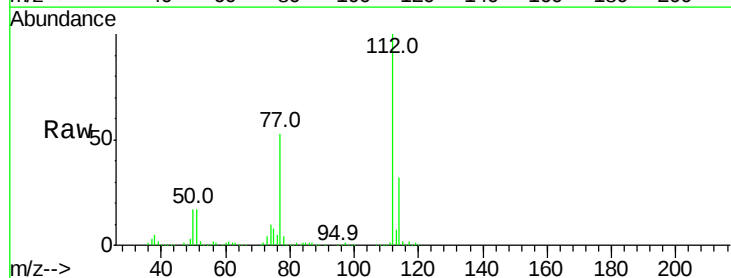
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

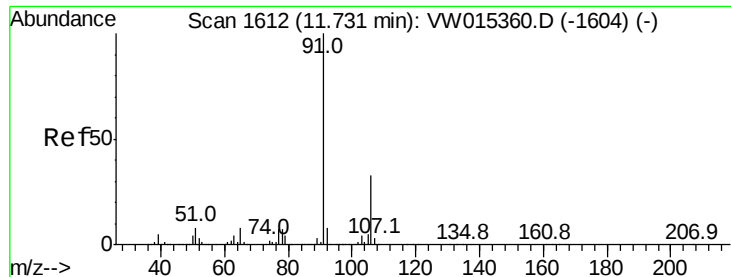
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	182428		
109	91.3	65.9	122.5	
188	4.4	3.6	5.4	



#52
Chlorobenzene
Concen: 47.451 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015361.D
Acq: 28 Apr 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	702750		
77	53.1	43.8	65.6	
114	32.2	23.5	43.7	





#53

Ethylbenzene

Concen: 46.450 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

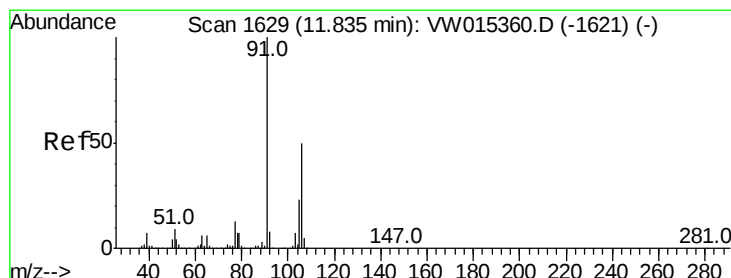
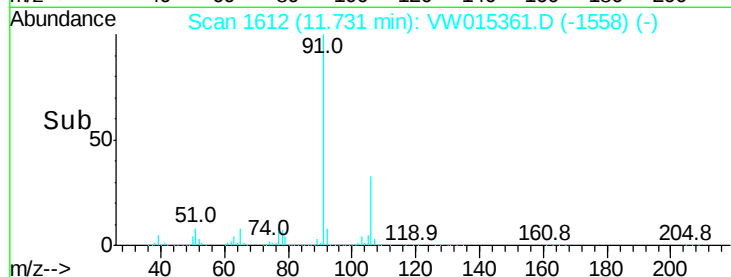
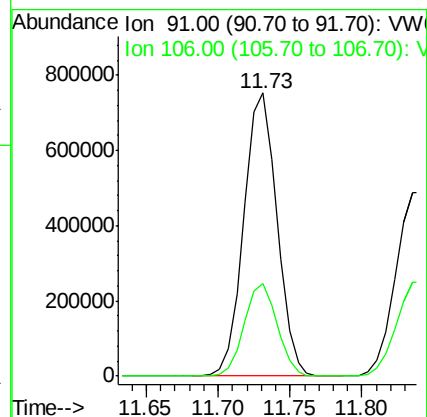
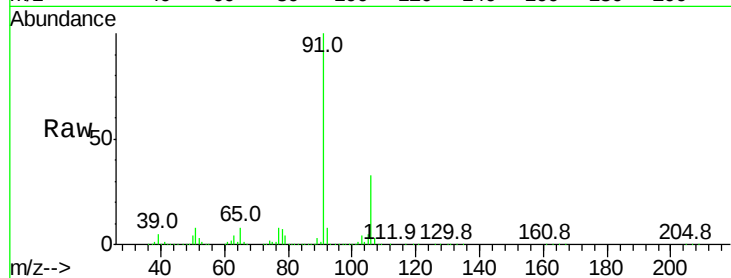
VSTD05004

Tgt Ion: 91 Resp: 1200982

Ion Ratio Lower Upper

91 100

106 32.9 23.0 42.8



#54

m,p-Xylene

Concen: 46.367 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015361.D

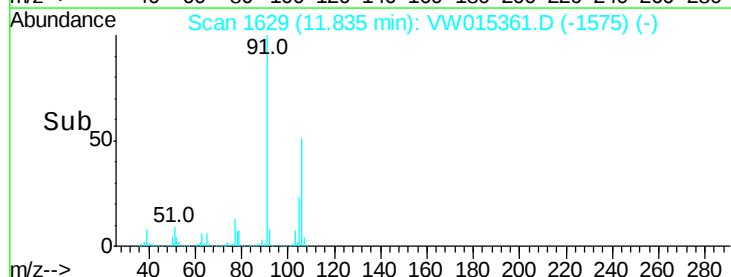
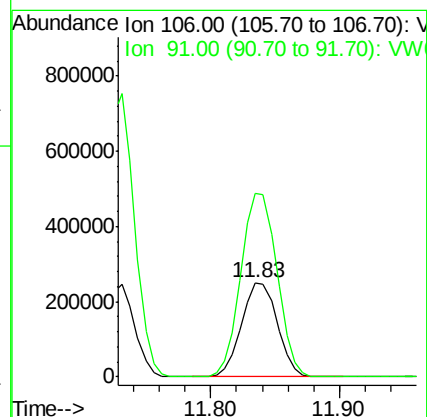
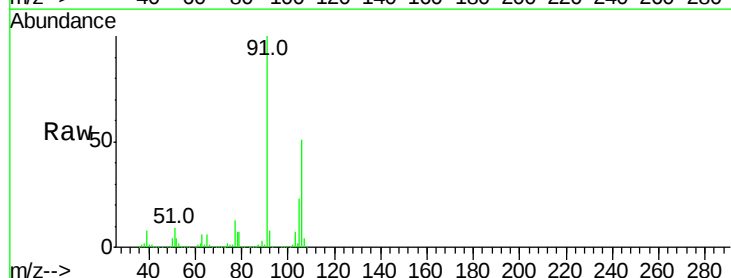
Acq: 28 Apr 2020 14:22

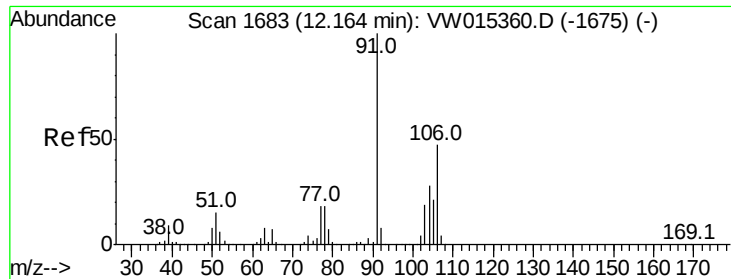
Tgt Ion: 106 Resp: 480660

Ion Ratio Lower Upper

106 100

91 194.8 140.8 261.4





#55

o-xylene

Concen: 47.026 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampled :

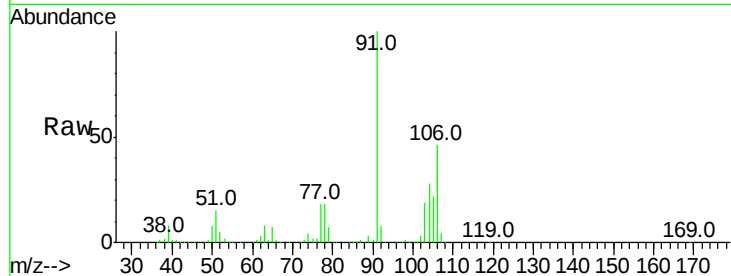
VSTD05004

Tgt Ion:106 Resp: 461990

Ion Ratio Lower Upper

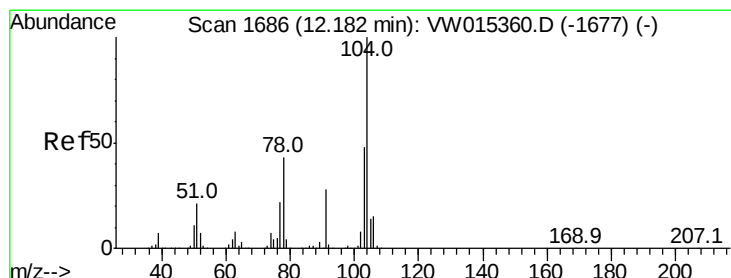
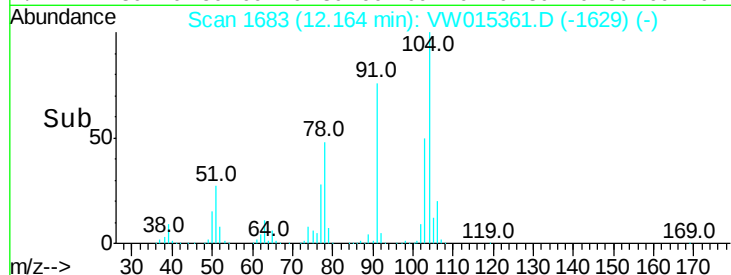
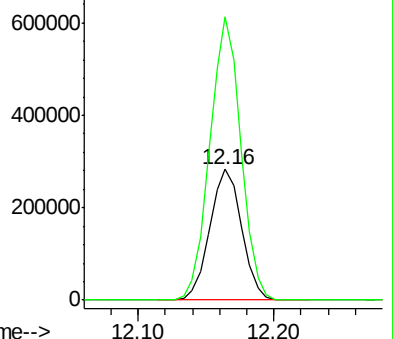
106 100

91 216.7 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 47.790 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015361.D

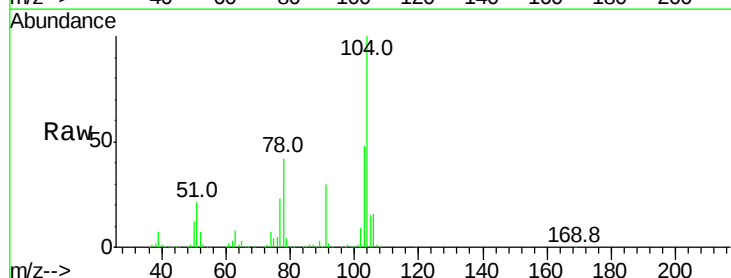
Acq: 28 Apr 2020 14:22

Tgt Ion:104 Resp: 798810

Ion Ratio Lower Upper

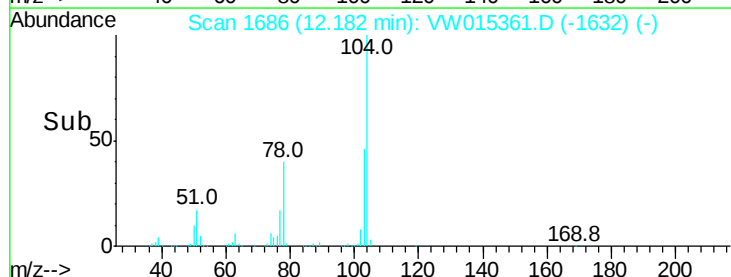
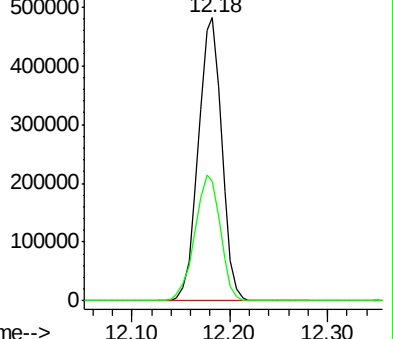
104 100

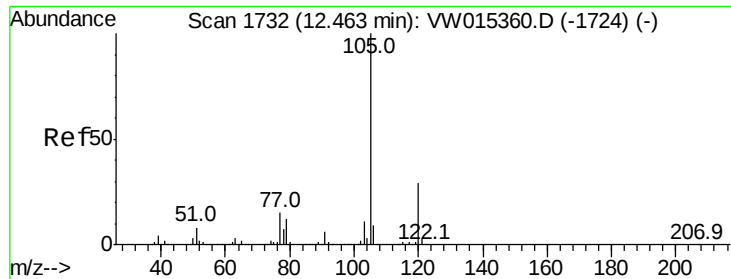
78 42.2 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 46.705 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

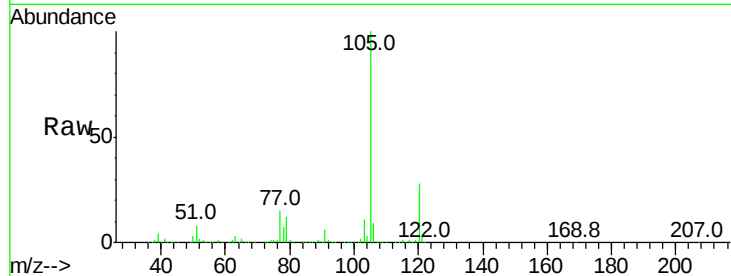
Tgt Ion:105 Resp: 1266555

Ion Ratio Lower Upper

105 100

120 27.8 22.4 33.6

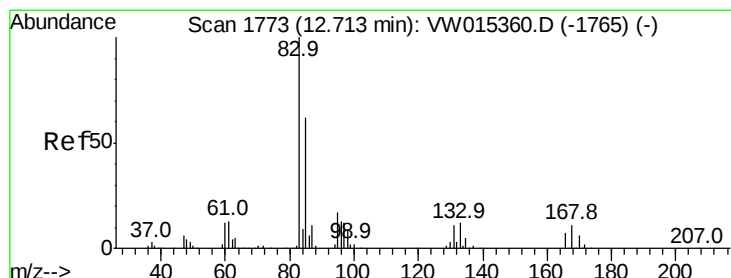
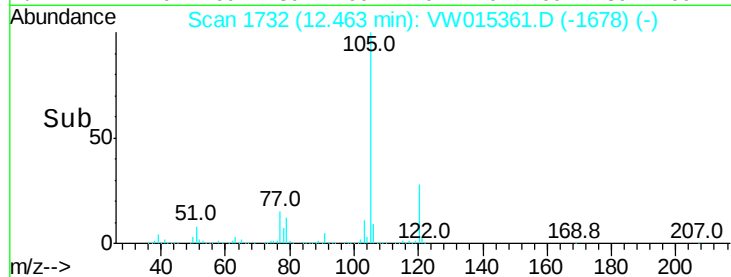
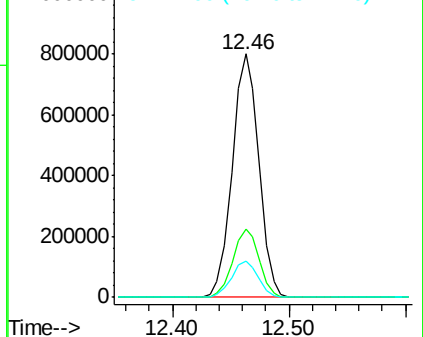
77 14.9 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.383 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

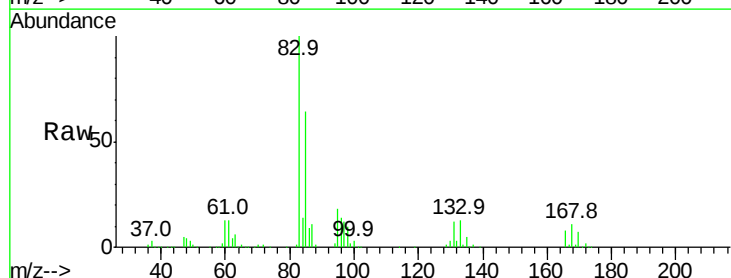
Tgt Ion: 83 Resp: 206238

Ion Ratio Lower Upper

83 100

85 64.3 43.8 81.3

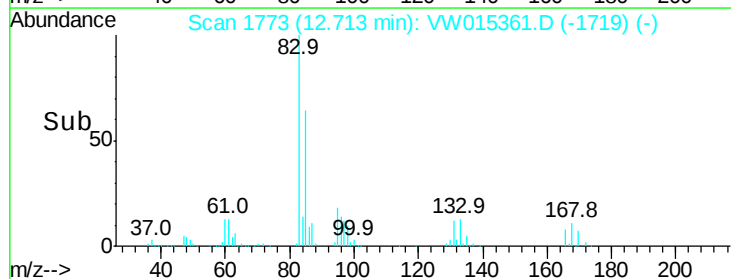
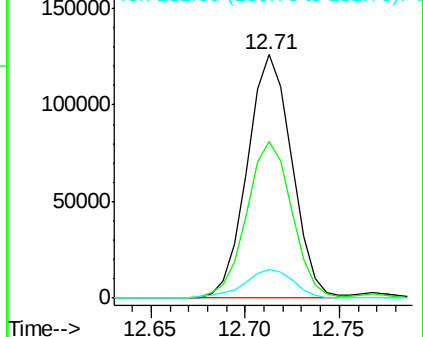
131 11.9 9.1 13.7

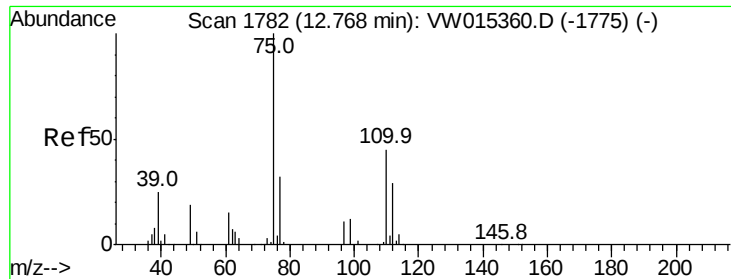


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.429 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

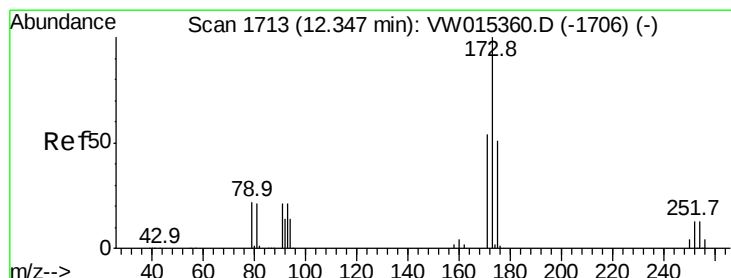
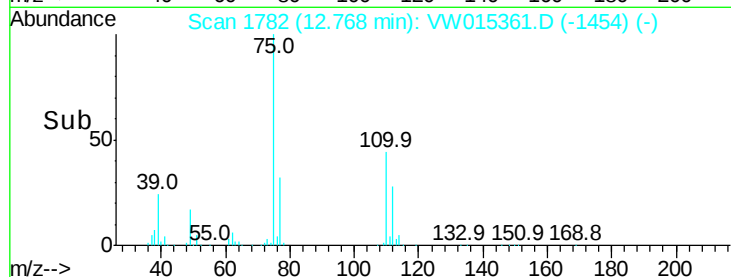
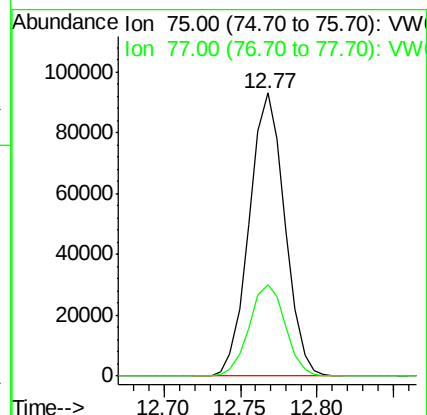
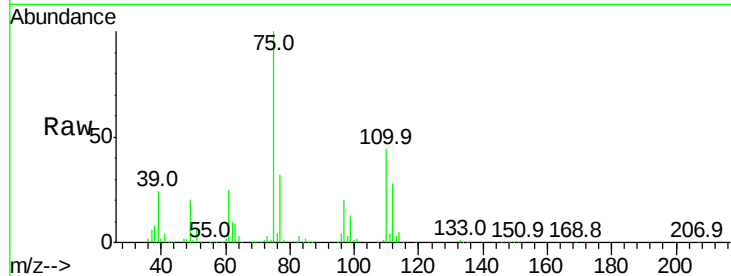
VSTD05004

Tgt Ion: 75 Resp: 150647

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



#62

Bromoform

Concen: 55.579 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

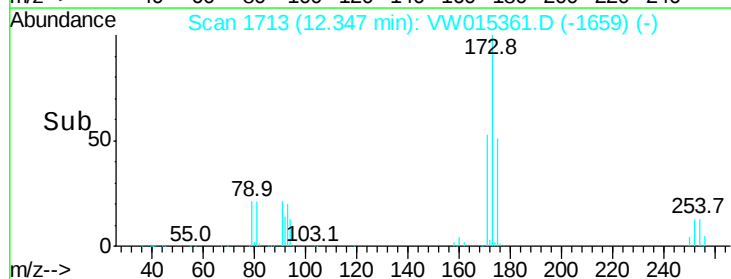
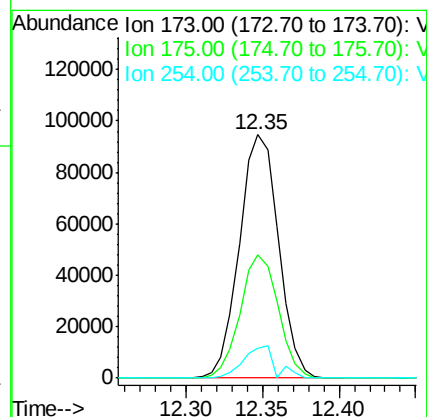
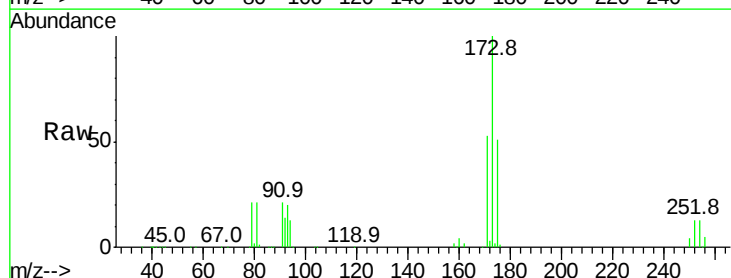
Tgt Ion: 173 Resp: 168047

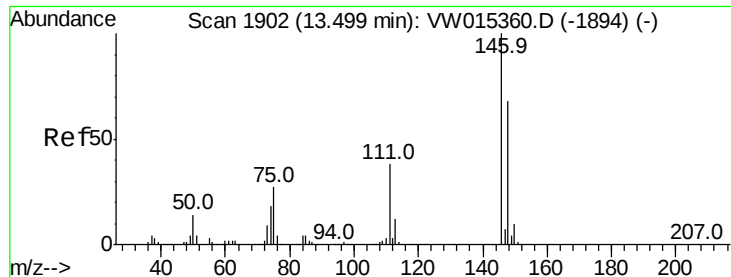
Ion Ratio Lower Upper

173 100

175 49.3 40.4 60.6

254 9.1 9.8 14.8#

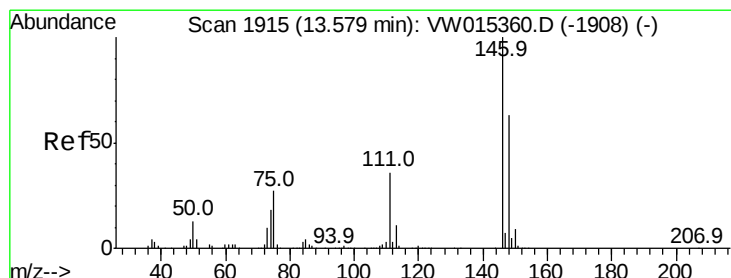
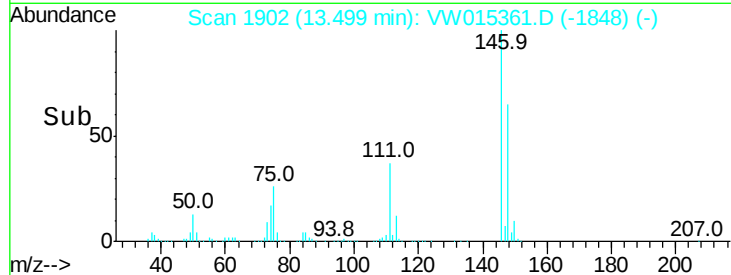
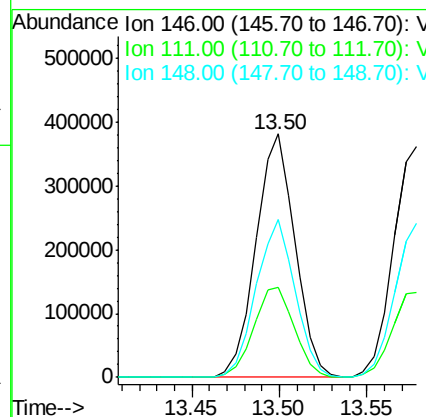
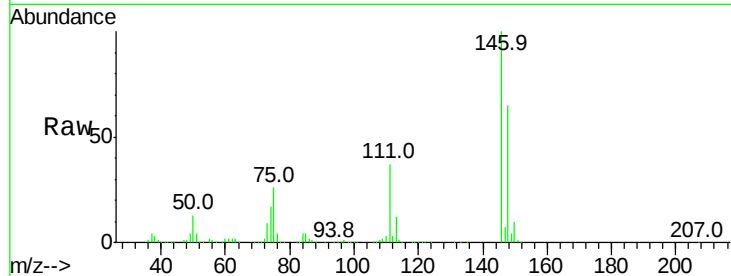




#63
 1,3-Dichlorobenzene
 Concen: 46.831 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015361.D
 Acq: 28 Apr 2020 14:22

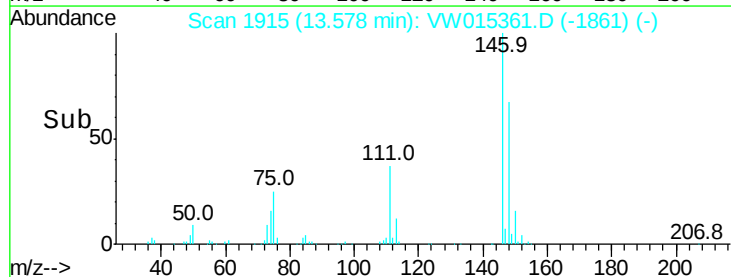
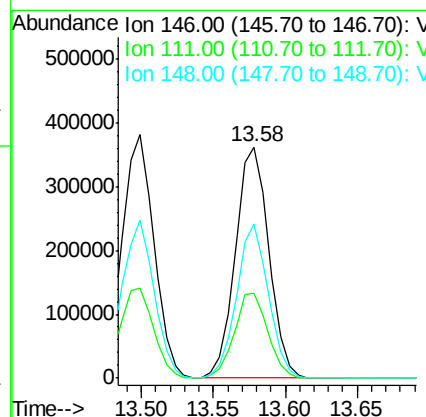
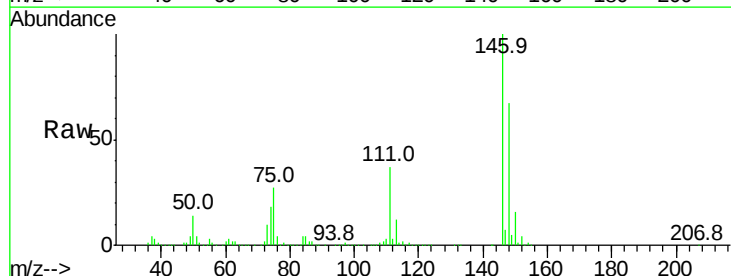
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

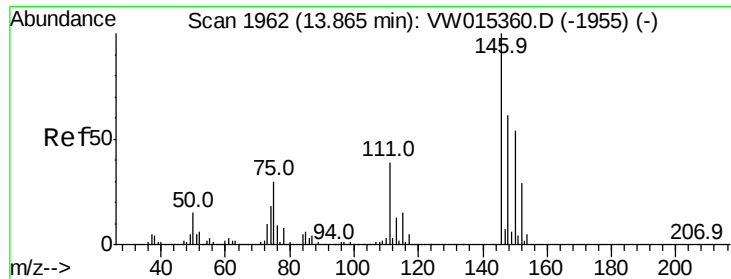
Tgt Ion:146 Resp: 591968
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.6 49.4
 148 64.7 47.5 88.3



#64
 1,4-Dichlorobenzene
 Concen: 46.962 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015361.D
 Acq: 28 Apr 2020 14:22

Tgt Ion:146 Resp: 585963
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.5 47.3
 148 66.5 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 45.686 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

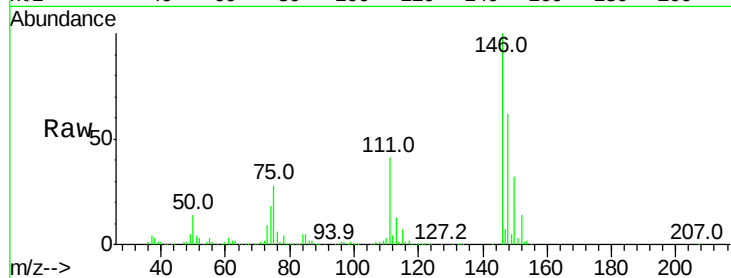
Tgt Ion:146 Resp: 516678

Ion Ratio Lower Upper

146 100

111 40.7 31.4 47.0

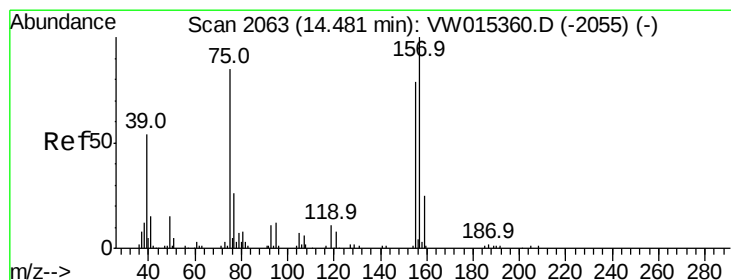
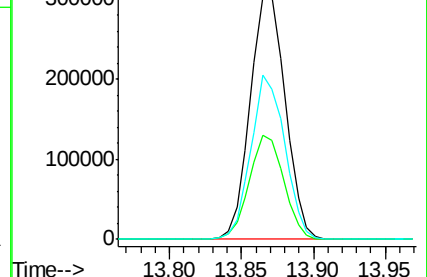
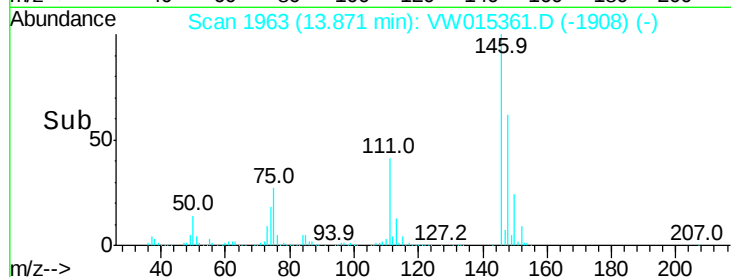
148 61.8 48.9 73.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.876 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015361.D

Acq: 28 Apr 2020 14:22

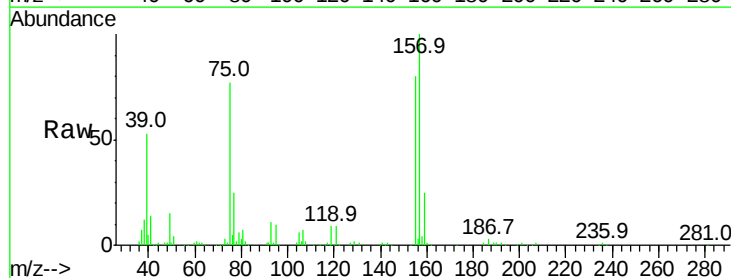
Tgt Ion: 75 Resp: 36753

Ion Ratio Lower Upper

75 100

157 129.1 94.6 141.8

155 102.8 75.0 112.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

