

Data File : VW015364.D
Acq On : 28 Apr 2020 15:57
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Apr 28 16:27:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 28 15:19:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	391661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349092	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	179051	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	7172	3.21	ug/L	0.00
7) Chloroethane-d5	2.89	69	9581	2.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	19959	2.92	ug/L	0.00
20) 2-Butanone-d5	7.09	46	4578	5.08	ug/L	0.01
24) Chloroform-d	7.65	84	24277	2.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	12385	2.81	ug/L	0.00
29) Benzene-d6	8.27	84	46222	2.90	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	13079	2.92	ug/L	0.00
37) Toluene-d8	10.32	98	47101	2.89	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	6460	2.77	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	4506	5.38	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10633	2.80	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	17834	2.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9011	2.543 ug/L	96
3) Chloromethane	2.21	50	7870	2.771 ug/L	100
5) Vinyl chloride	2.37	62	8432	2.923 ug/L	99
6) Bromomethane	2.78	94	9495	2.843 ug/L	99
8) Chloroethane	2.93	64	7748	2.850 ug/L	93
9) Trichlorofluoromethane	3.26	101	11316	2.827 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11503	2.588 ug/L	95
12) 1,1-Dichloroethene	4.04	96	11909	2.921 ug/L	82
13) Acetone	4.12	43	5553	7.615 ug/L	100
14) Carbon disulfide	4.38	76	30834	2.900 ug/L	99
15) Methyl Acetate	4.67	43	4314	3.048 ug/L #	64
16) Methylene chloride	4.92	84	16643	3.391 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	18169	2.911 ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	13026	2.788 ug/L	92
19) 1,1-Dichloroethane	6.21	63	20106	2.765 ug/L	97
21) 2-Butanone	7.18	43	7513	6.813 ug/L #	70
22) cis-1,2-Dichloroethene	7.17	96	13965	2.790 ug/L	97
23) Bromochloromethane	7.52	128	6823	2.879 ug/L	85
25) Chloroform	7.67	83	23251	2.836 ug/L	99
27) 1,2-Dichloroethane	8.40	62	14391	2.748 ug/L	97
30) Cyclohexane	7.95	56	18051	2.809 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	20786	2.908 ug/L	100
32) Carbon tetrachloride	8.07	117	19902	2.914 ug/L	100
34) Benzene	8.32	78	49135	2.864 ug/L	100
35) Trichloroethene	9.09	95	13878	2.803 ug/L	98
36) Methylcyclohexane	9.34	83	23504	2.803 ug/L	98
40) 1,2-Dichloropropane	9.37	63	11302	2.903 ug/L	99
41) Bromodichloromethane	9.65	83	16719	2.778 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18824	2.733 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	19683	7.337 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Tue Apr 28 15:19:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	55547	2.747	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	16315	2.656	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	9343	2.756	ug/L	96
47) Tetrachloroethene	10.86	164	13341	2.823	ug/L	95
49) 2-Hexanone	10.97	43	7904	5.327	ug/L	97
50) Dibromochloromethane	11.13	129	12201	2.701	ug/L	98
51) 1,2-Dibromoethane	11.24	107	9266	2.729	ug/L	99
52) Chlorobenzene	11.66	112	37979	2.815	ug/L	97
53) Ethylbenzene	11.73	91	64156	2.764	ug/L	99
54) m,p-Xylene	11.83	106	25336	2.767	ug/L	94
55) o-xylene	12.16	106	24220	2.774	ug/L	96
56) Styrene	12.18	104	39061	2.637	ug/L	97
57) Isopropylbenzene	12.46	105	65889	2.756	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	10499	2.770	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	7485	2.680	ug/L	100
62) Bromoform	12.35	173	7562	2.650	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	30690	2.786	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	31426	2.882	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	28253	2.926	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	1773	2.731	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	24749	3.008	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	19793	2.887	ug/L	99
69) Naphthalene	15.36	128	31676	2.710	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	16753	2.815	ug/L	95

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

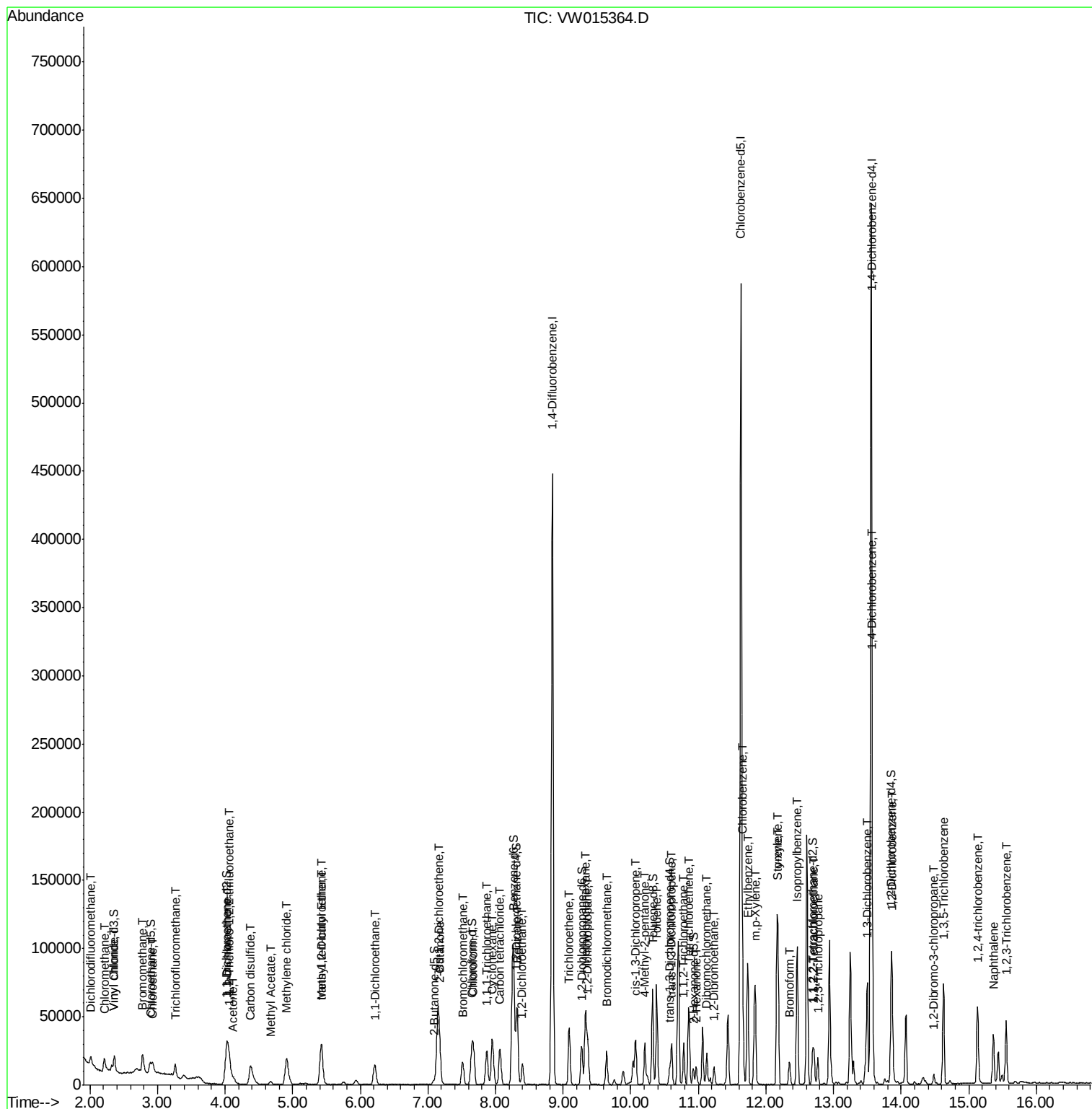
Quant Time: Apr 28 16:27:45 2020

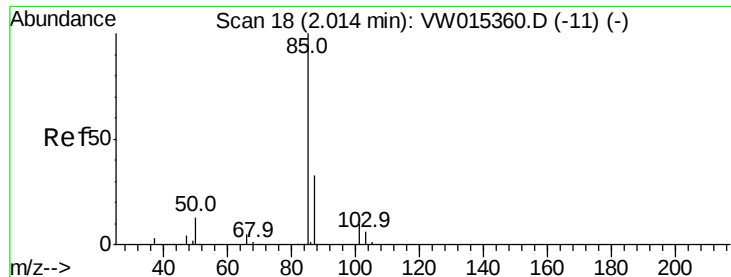
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 28 15:19:54 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.543 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

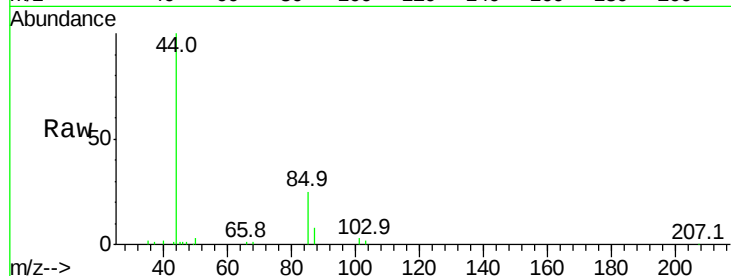
VSTD2.501

Tgt Ion: 85 Resp: 9011

Ion Ratio Lower Upper

85 100

87 34.6 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

4000

3000

2000

1000

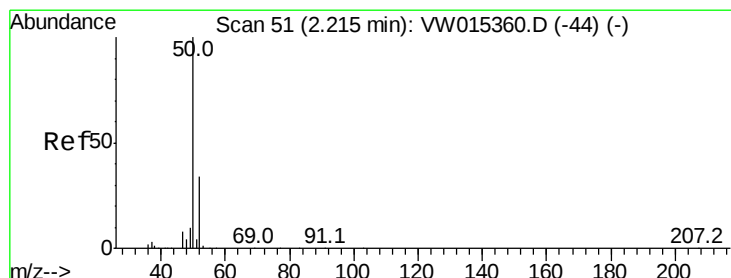
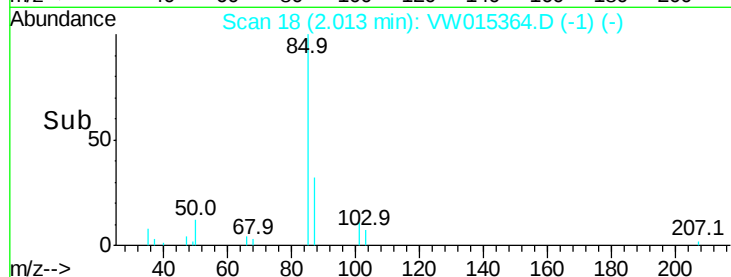
0

1.95

2.00

2.05

Time-->



#3

Chloromethane

Concen: 2.771 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015364.D

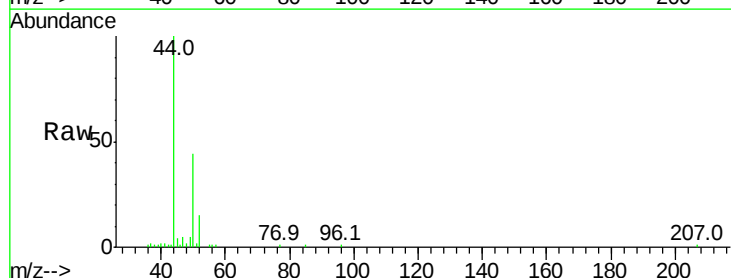
Acq: 28 Apr 2020 15:57

Tgt Ion: 50 Resp: 7870

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

5000

4000

3000

2000

1000

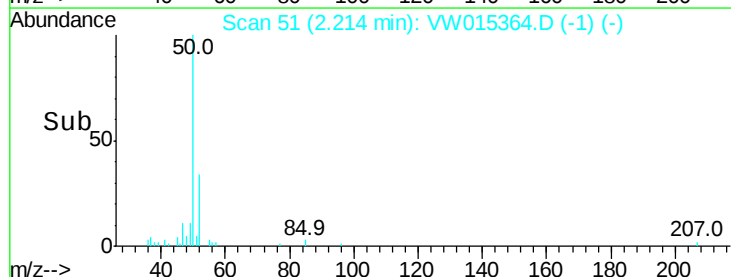
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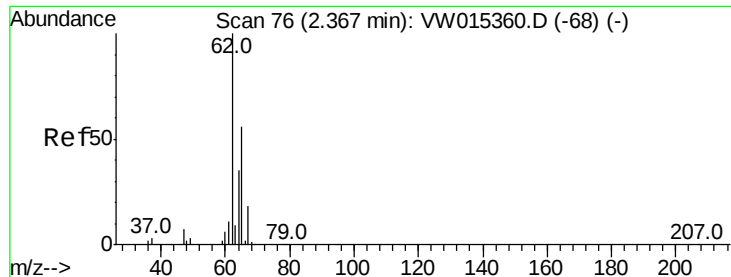
2.15

2.20

2.25

Time-->





#5

Vinyl chloride

Concen: 2.923 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

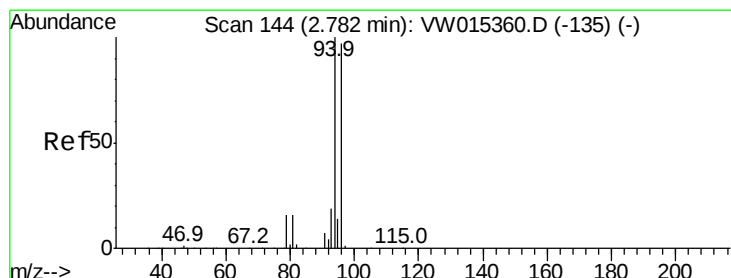
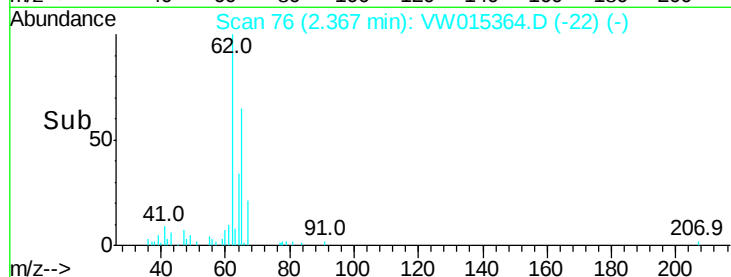
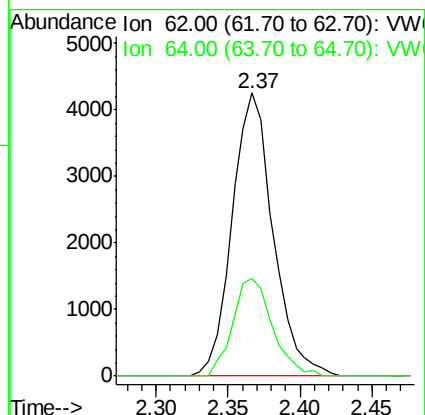
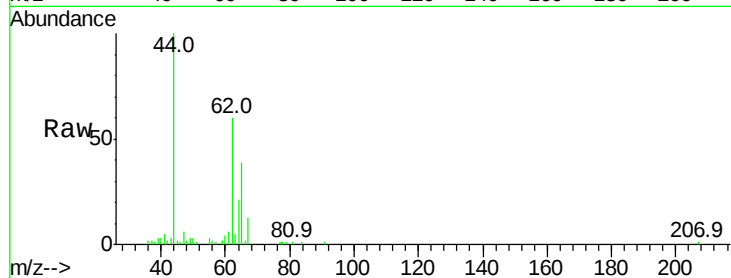
VSTD2.501

Tgt Ion: 62 Resp: 8432

Ion Ratio Lower Upper

62 100

64 34.4 24.6 45.8



#6

Bromomethane

Concen: 2.843 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015364.D

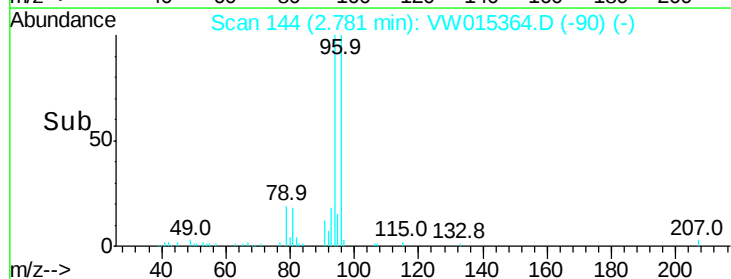
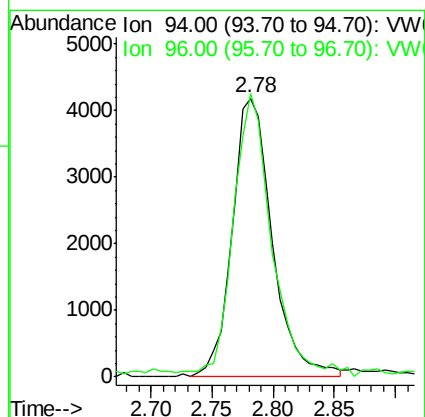
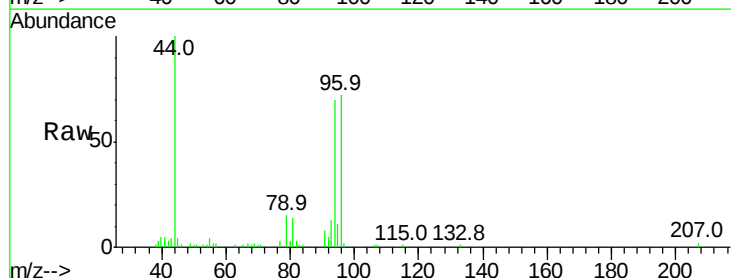
Acq: 28 Apr 2020 15:57

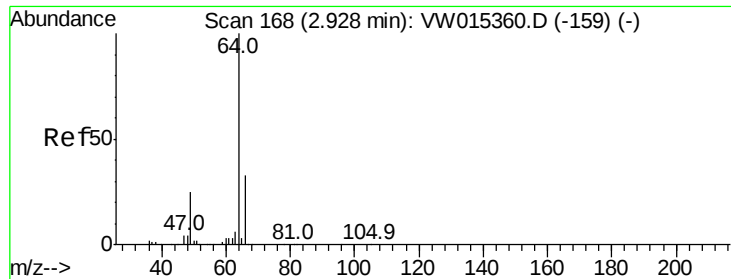
Tgt Ion: 94 Resp: 9495

Ion Ratio Lower Upper

94 100

96 95.8 9.5 180.1





#8

Chloroethane

Concen: 2.850 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

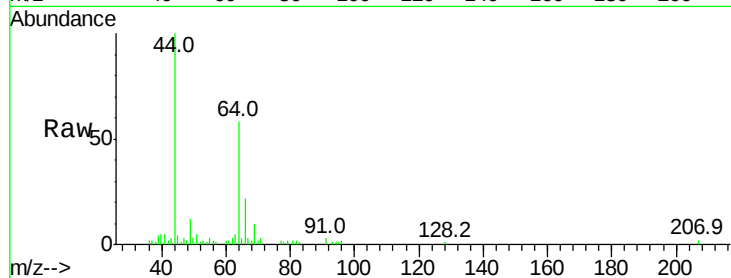
VSTD2.501

Tgt Ion: 64 Resp: 7748

Ion Ratio Lower Upper

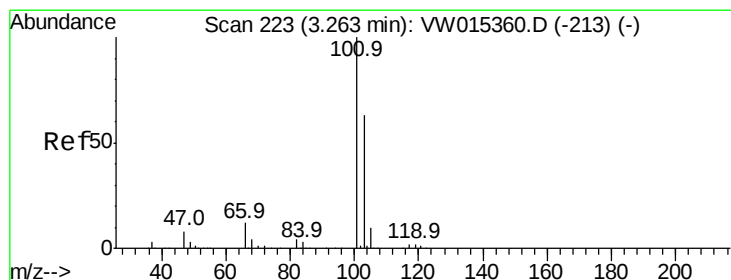
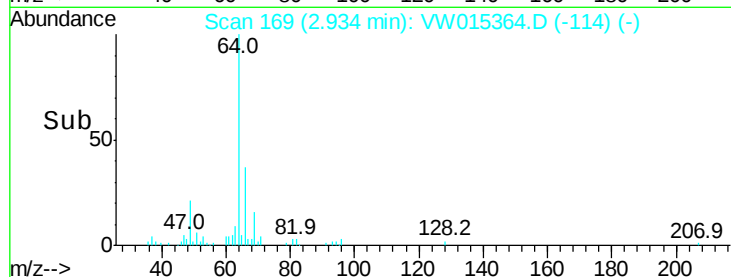
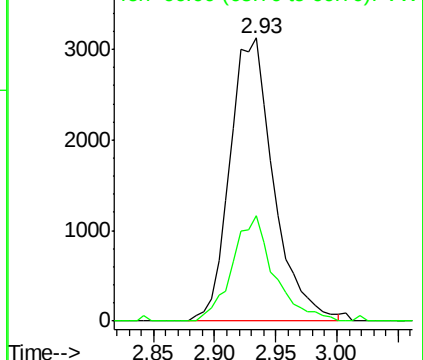
64 100

66 37.5 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 2.827 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015364.D

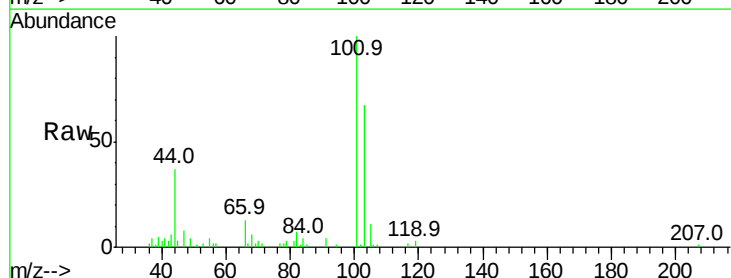
Acq: 28 Apr 2020 15:57

Tgt Ion: 101 Resp: 11316

Ion Ratio Lower Upper

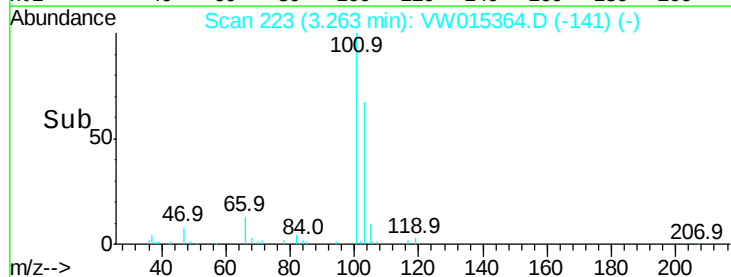
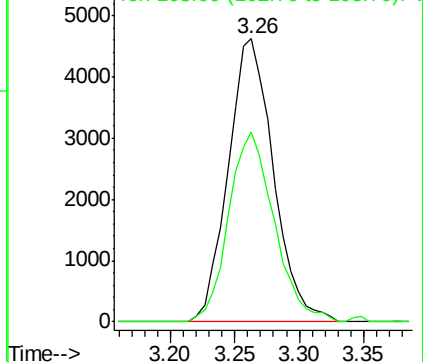
101 100

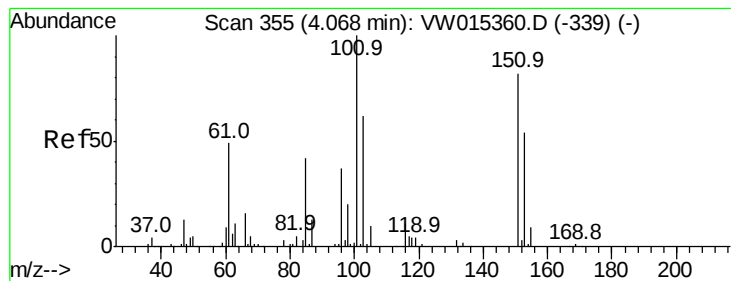
103 67.3 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.588 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

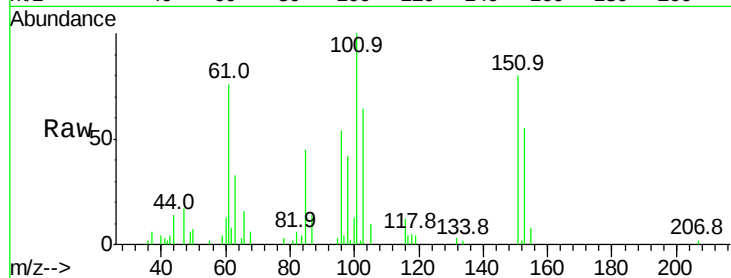
Tgt Ion:101 Resp: 11503

Ion Ratio Lower Upper

101 100

85 43.8 32.5 48.7

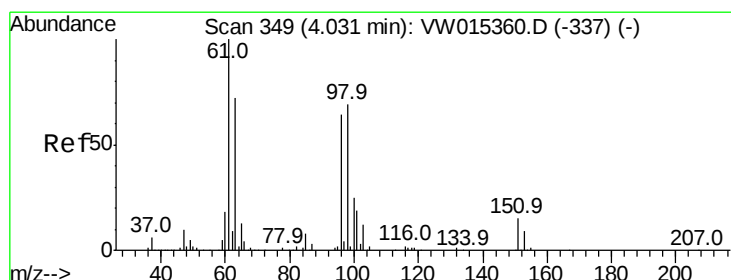
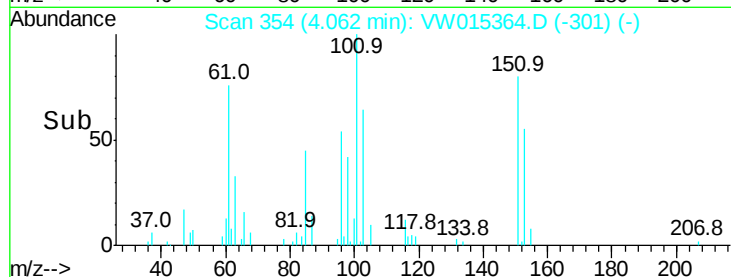
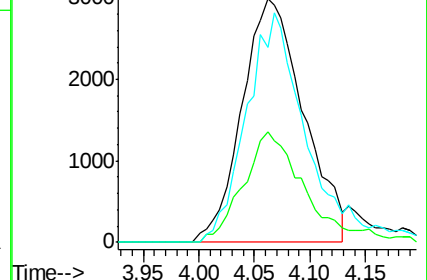
151 89.3 68.2 102.2



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: 2.921 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

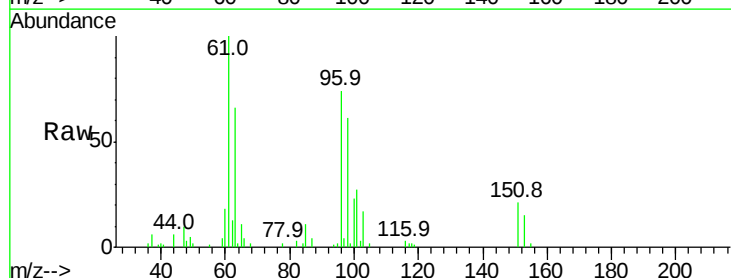
Tgt Ion: 96 Resp: 11909

Ion Ratio Lower Upper

96 100

61 136.0 109.1 202.7

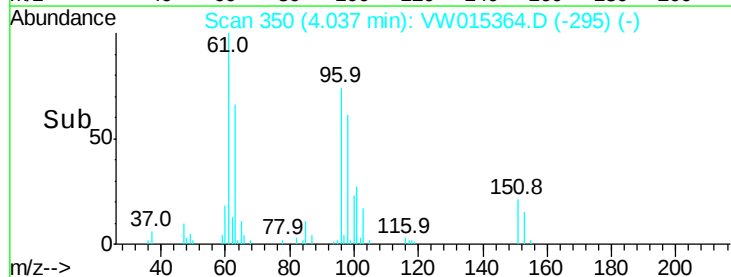
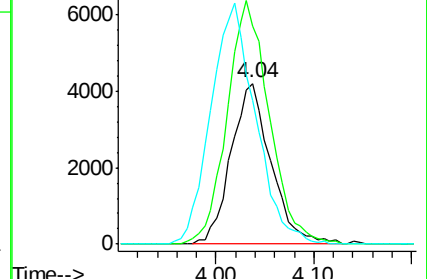
63 89.8 79.2 147.2

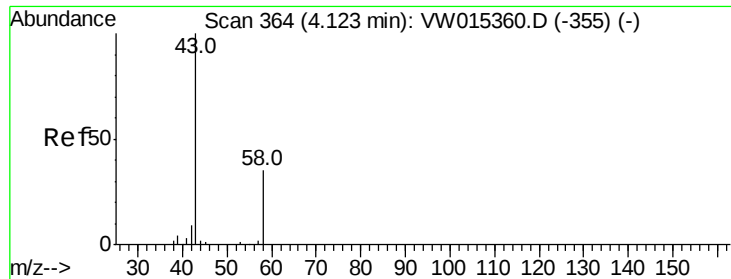


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.615 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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ClientSampleId :

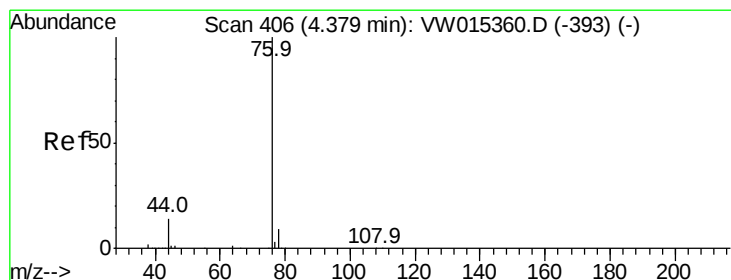
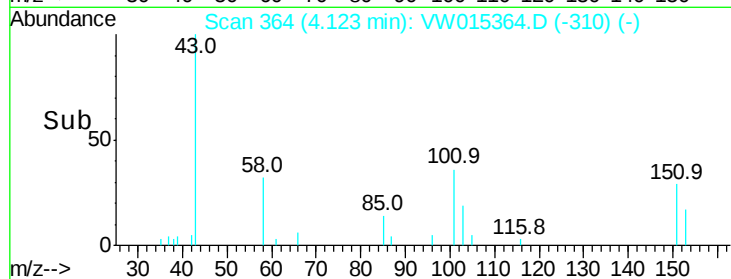
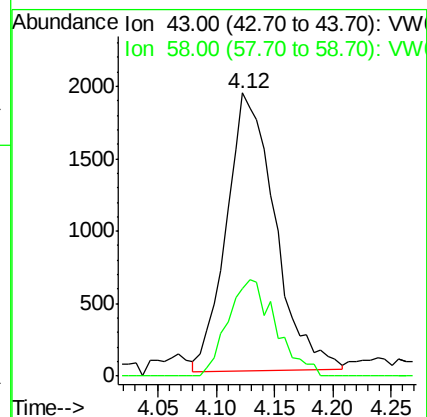
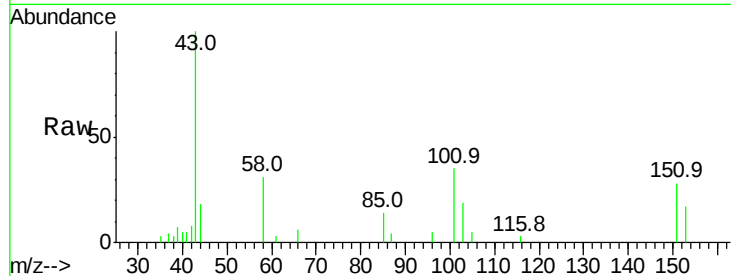
VSTD2.501

Tgt Ion: 43 Resp: 5553

Ion Ratio Lower Upper

43 100

58 34.1 0.0 68.0



#14

Carbon disulfide

Concen: 2.900 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015364.D

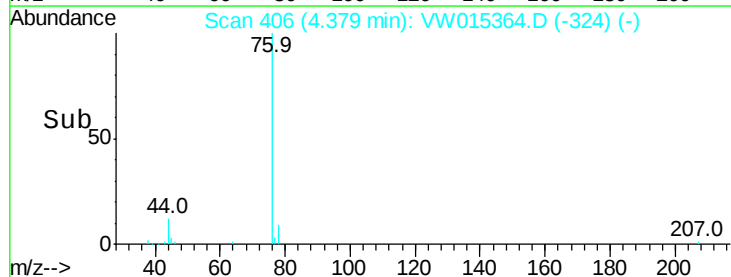
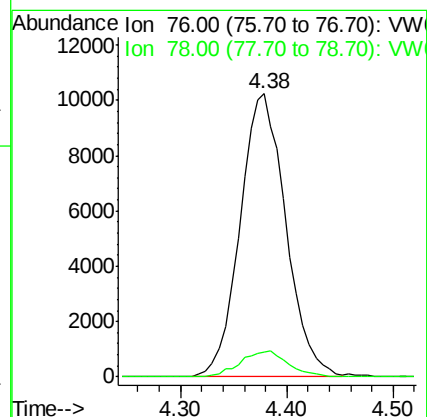
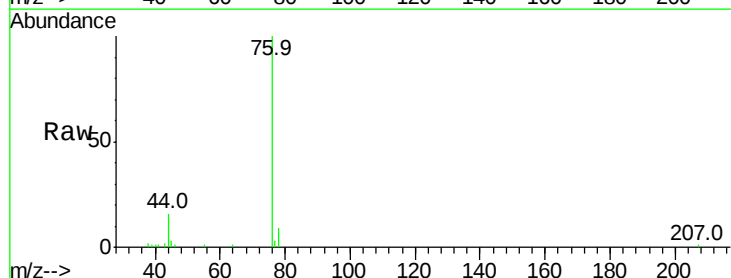
Acq: 28 Apr 2020 15:57

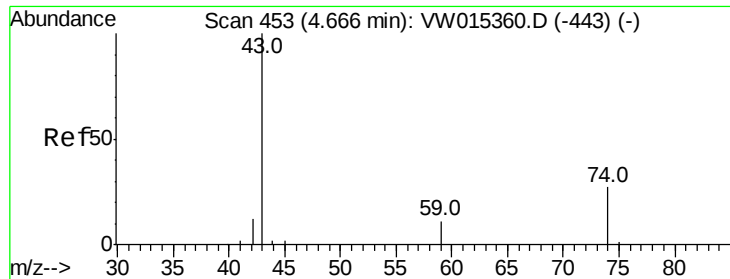
Tgt Ion: 76 Resp: 30834

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

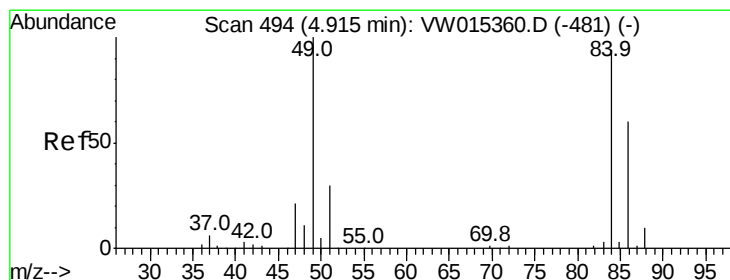
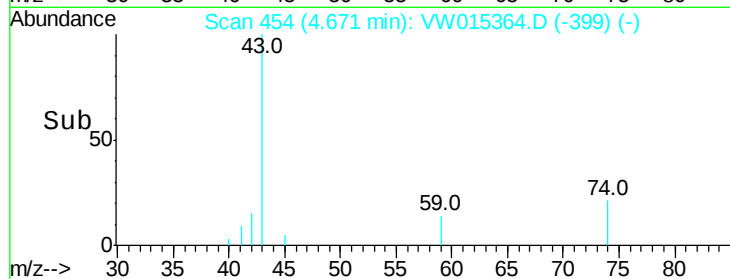
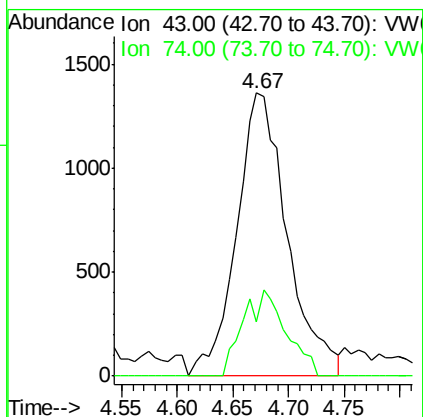
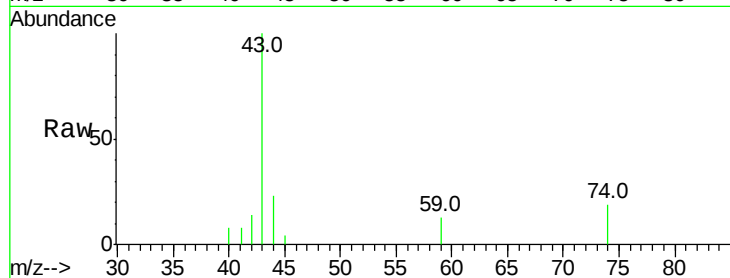




#15
Methyl Acetate
Concen: 3.048 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

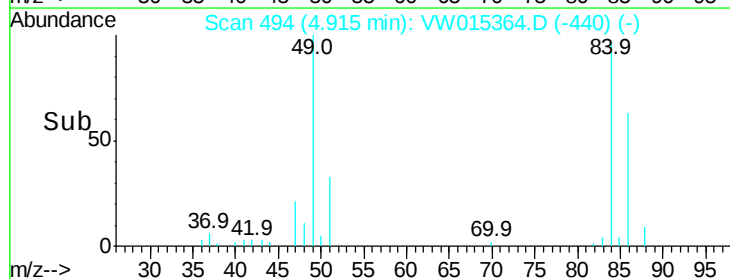
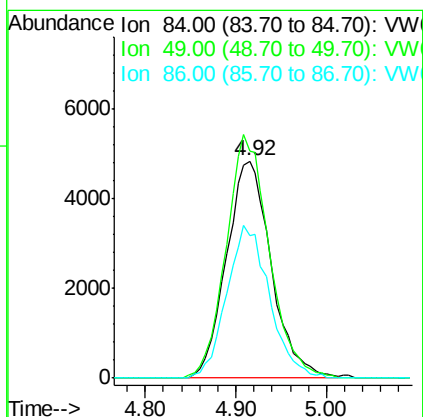
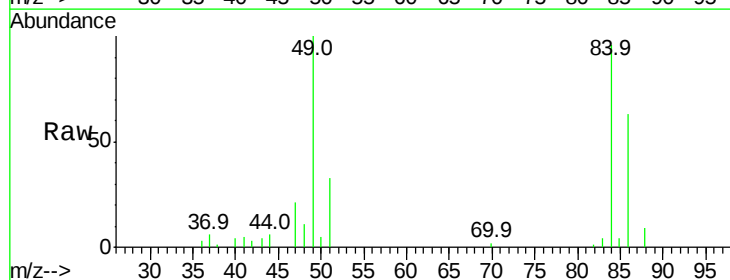
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

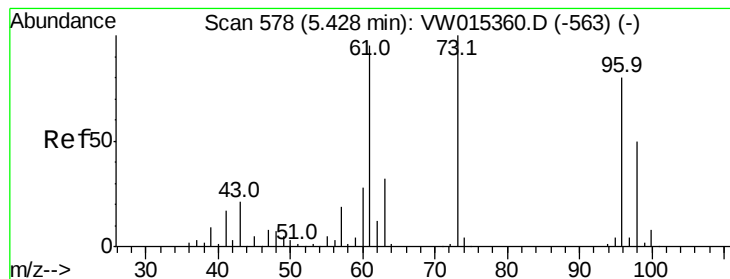
Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
74 10.2 23.5 35.3#



#16
Methylene chloride
Concen: 3.391 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

Tgt Ion: 84 Resp: 16643
Ion Ratio Lower Upper
84 100
49 104.3 74.6 138.6
86 65.5 44.6 82.8





#17

Methyl tert-butyl Ether

Concen: 2.911 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

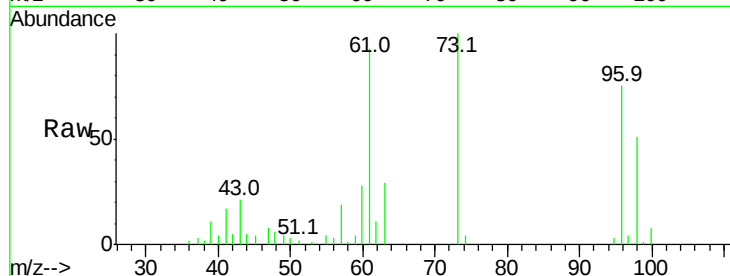
Tgt Ion: 73 Resp: 18169

Ion Ratio Lower Upper

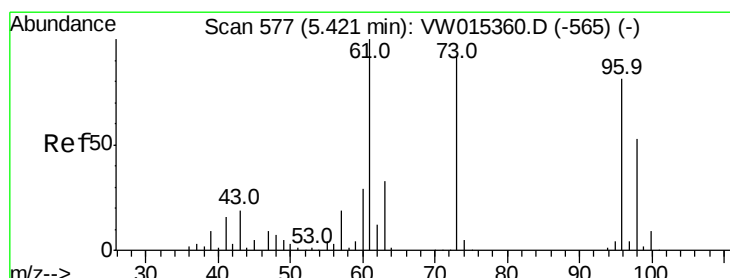
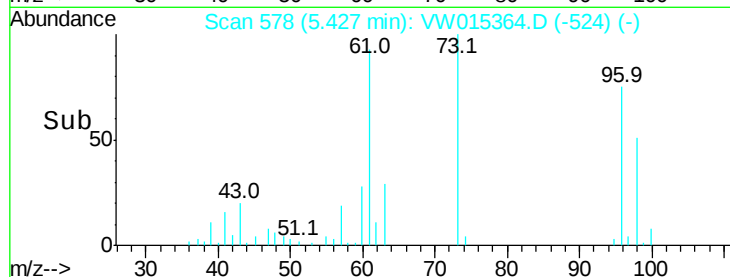
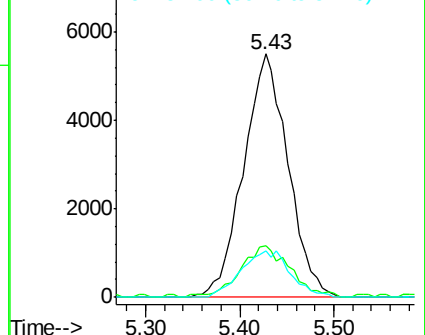
73 100

43 23.2 16.7 25.1

57 13.3 15.9 23.9#



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 2.788 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

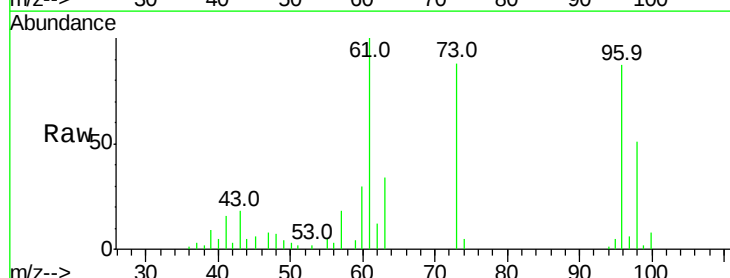
Tgt Ion: 96 Resp: 13026

Ion Ratio Lower Upper

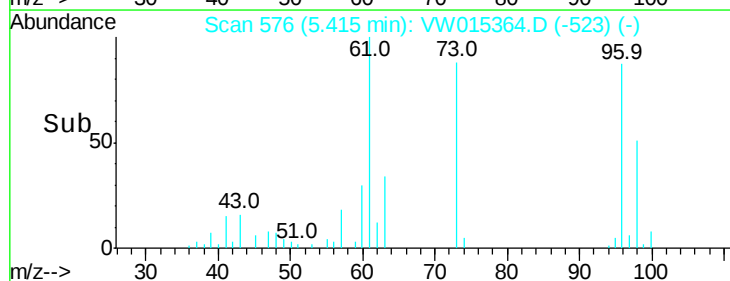
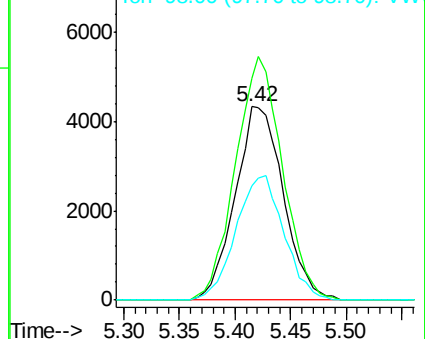
96 100

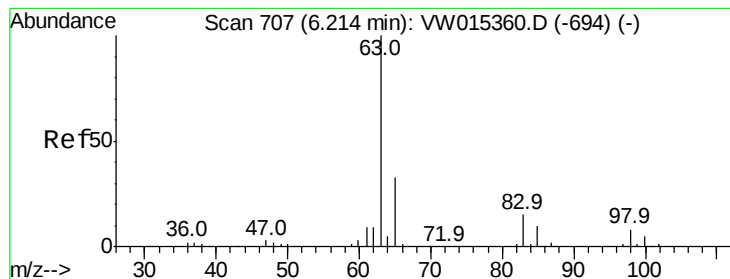
61 114.4 86.4 160.4

98 58.8 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 2.765 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

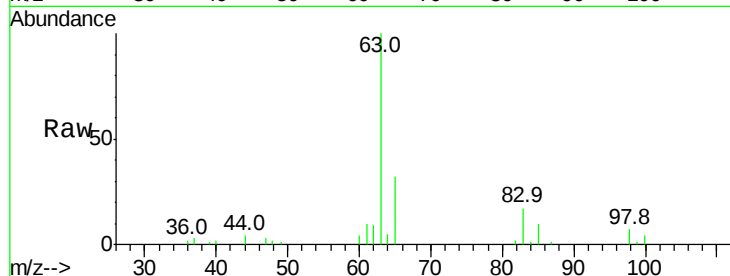
Tgt Ion: 63 Resp: 20106

Ion Ratio Lower Upper

63 100

65 32.0 23.2 43.0

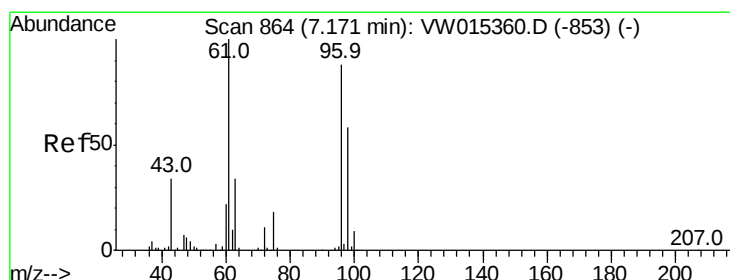
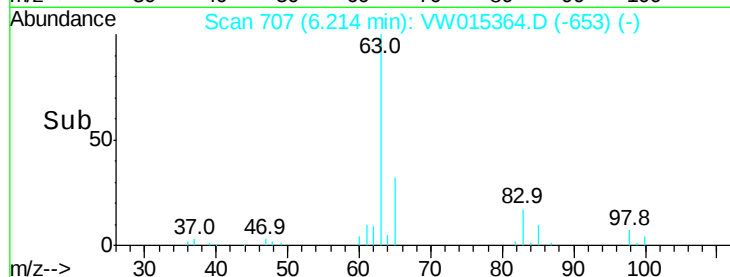
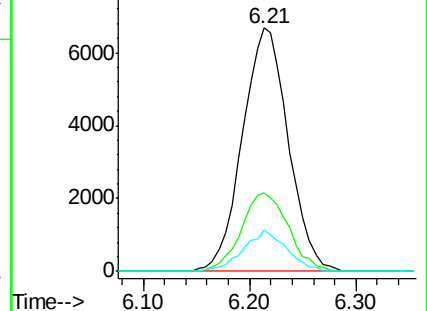
83 16.8 10.4 19.4



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: 6.813 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015364.D

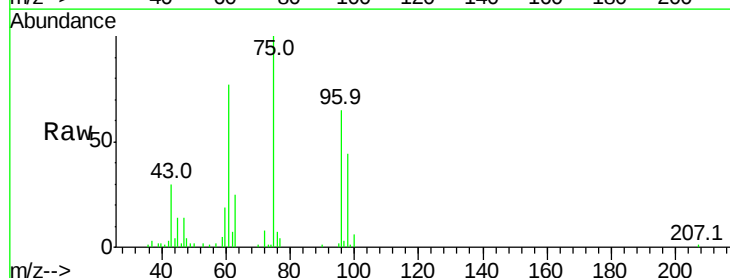
Acq: 28 Apr 2020 15:57

Tgt Ion: 43 Resp: 7513

Ion Ratio Lower Upper

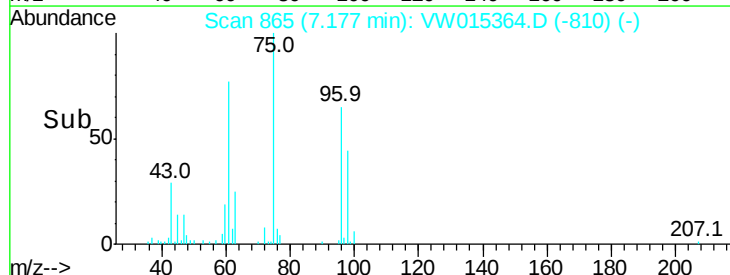
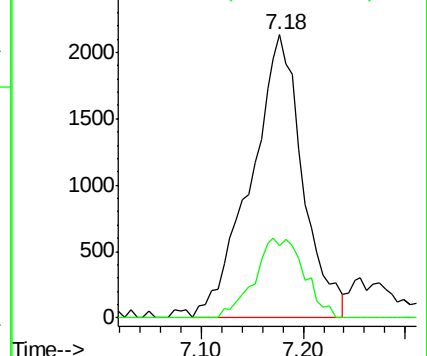
43 100

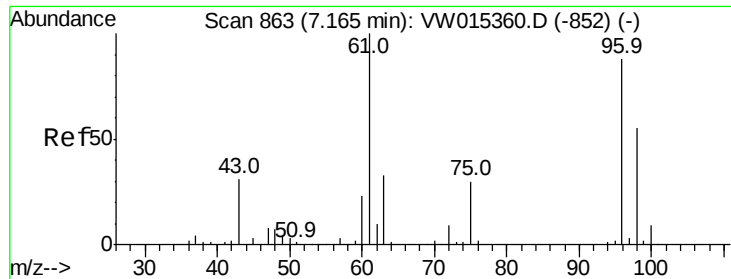
72 15.0 16.0 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



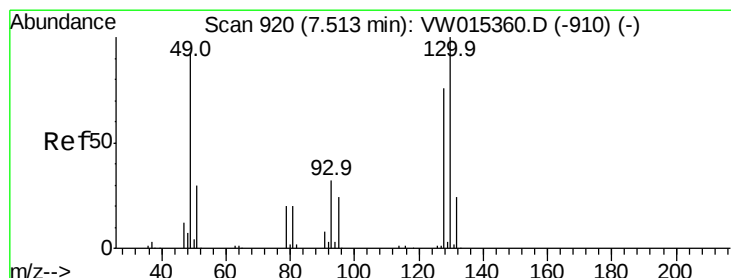
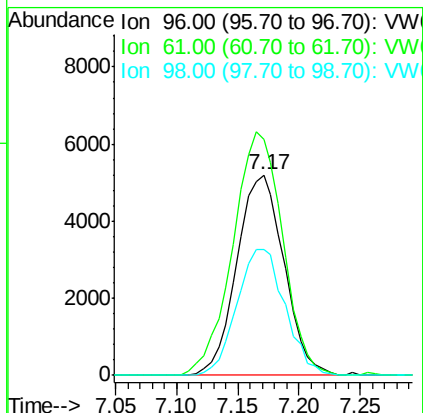
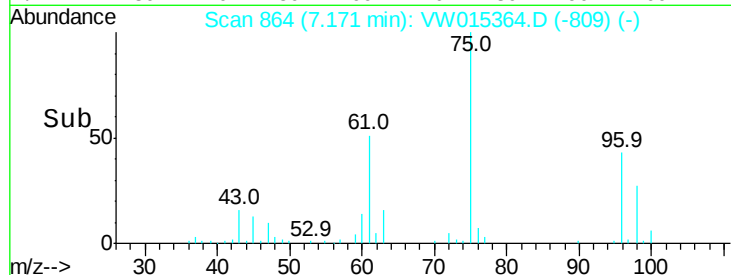
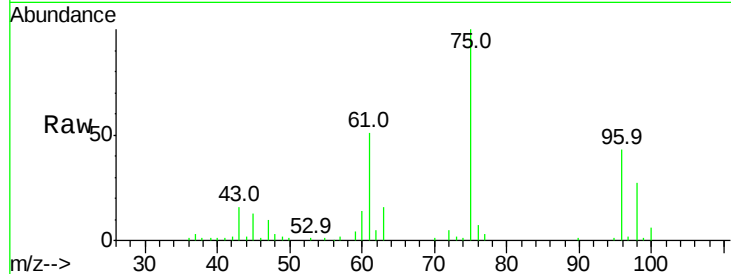


#22

cis-1,2-Dichloroethene
 Concen: 2.790 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

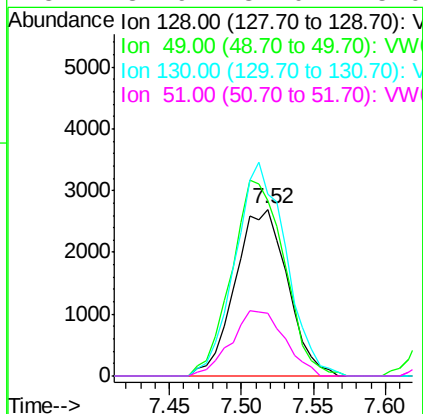
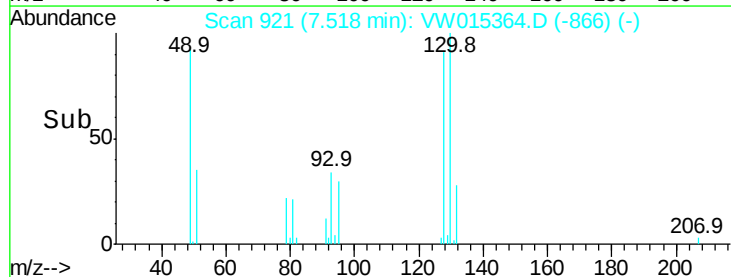
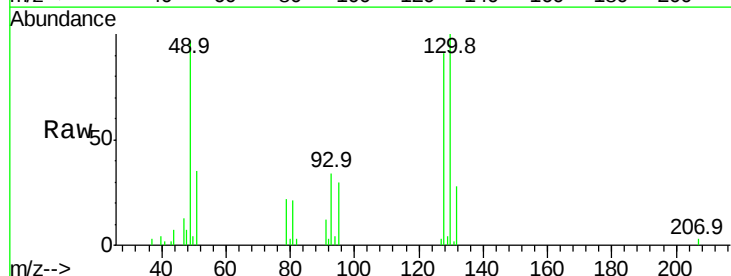
Tgt Ion: 96 Resp: 13965
 Ion Ratio Lower Upper
 96 100
 61 117.8 79.3 147.3
 98 62.7 43.6 81.0

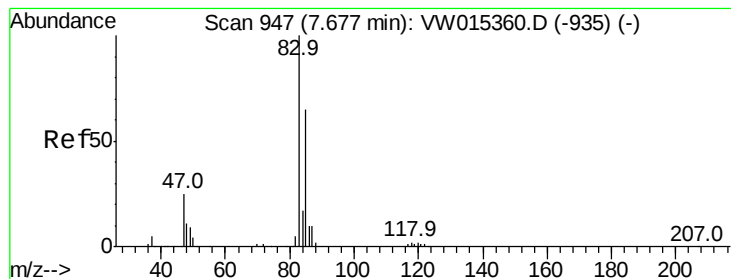


#23

Bromochloromethane
 Concen: 2.879 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Tgt Ion: 128 Resp: 6823
 Ion Ratio Lower Upper
 128 100
 49 105.6 85.8 159.4
 130 109.5 92.2 171.2
 51 37.9 32.0 48.0





#25

Chloroform

Concen: 2.836 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

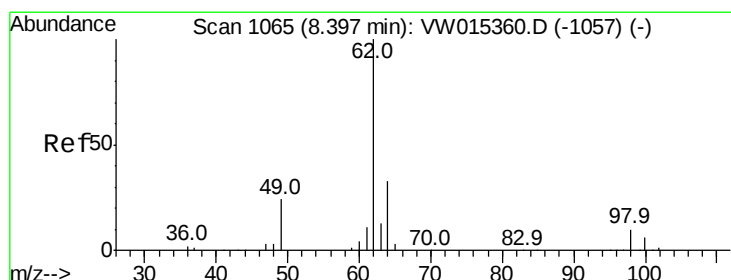
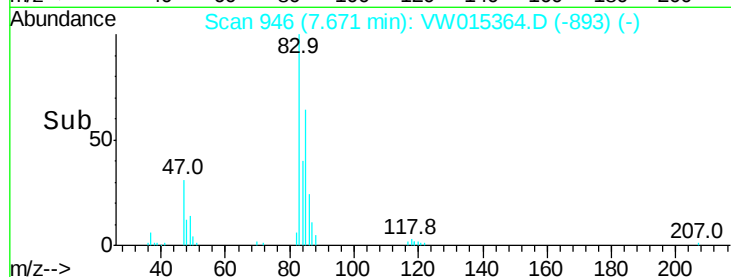
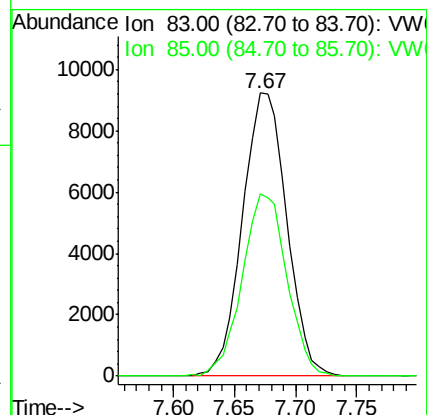
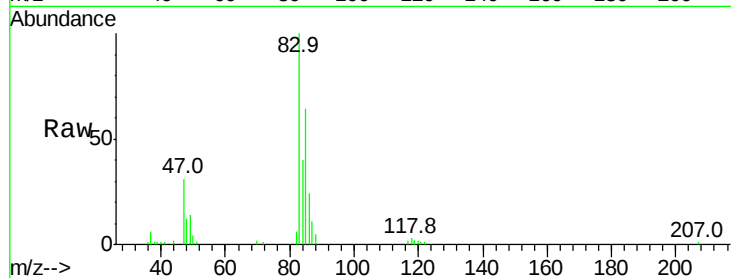
VSTD2.501

Tgt Ion: 83 Resp: 23251

Ion Ratio Lower Upper

83 100

85 64.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 2.748 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015364.D

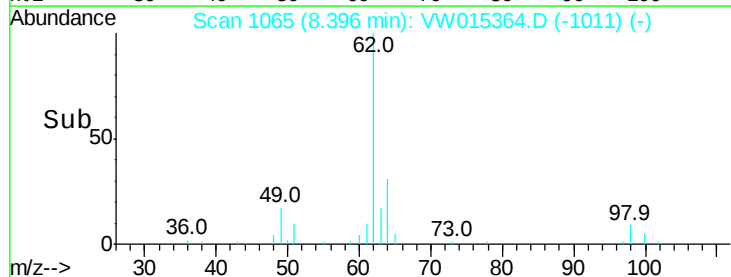
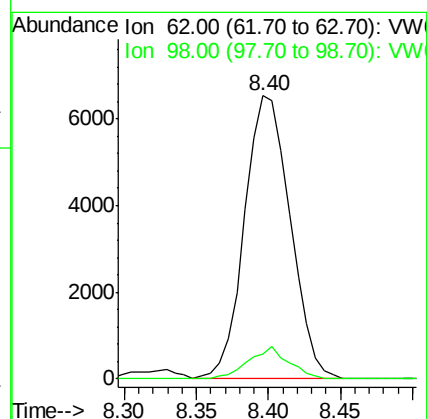
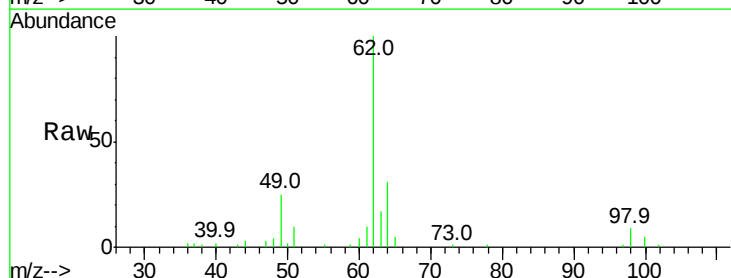
Acq: 28 Apr 2020 15:57

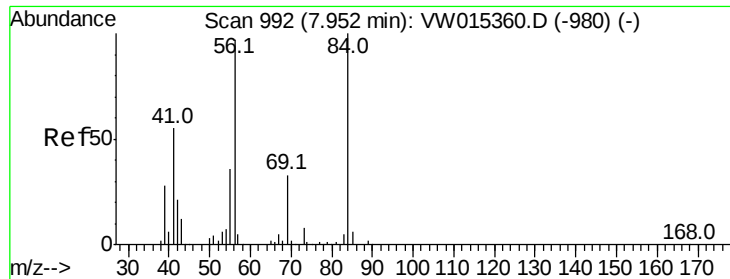
Tgt Ion: 62 Resp: 14391

Ion Ratio Lower Upper

62 100

98 8.9 7.9 11.9

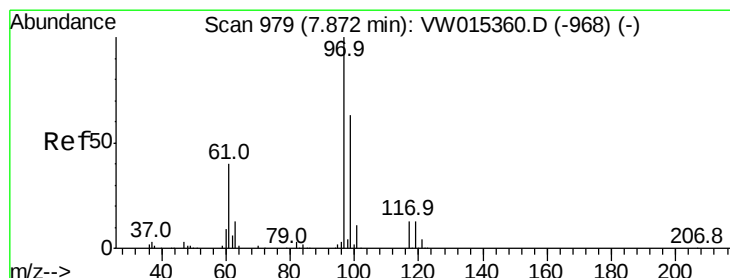
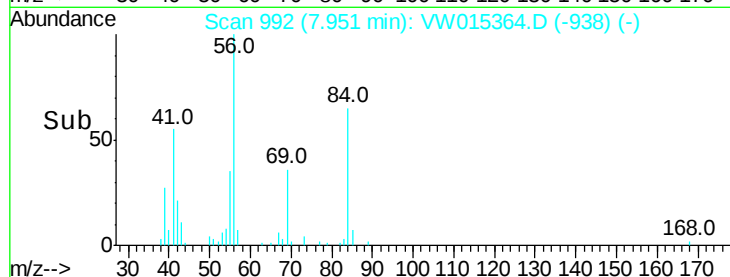
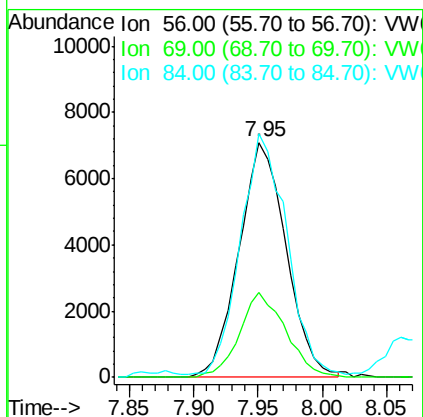
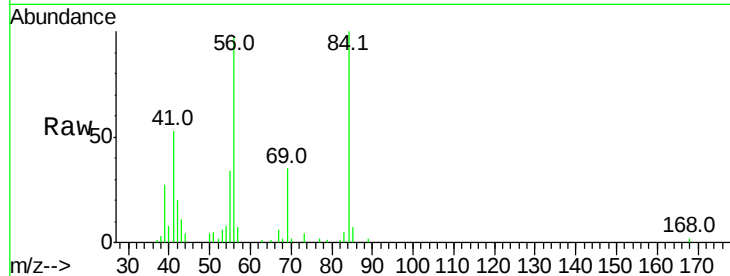




#30
Cyclohexane
Concen: 2.809 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

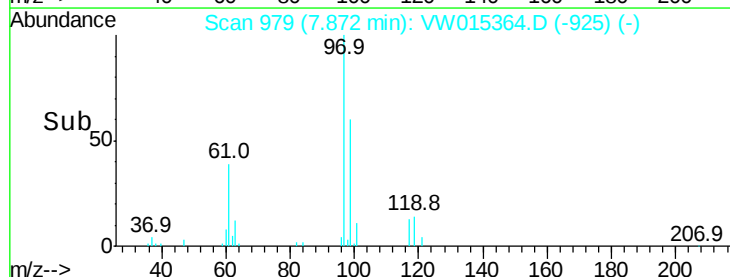
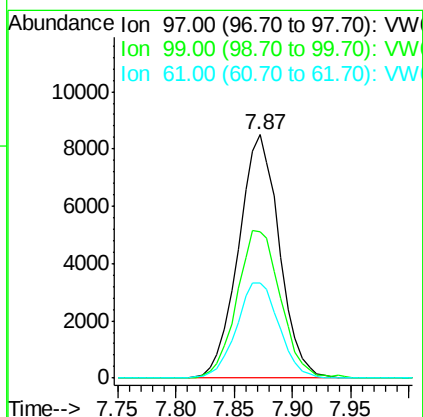
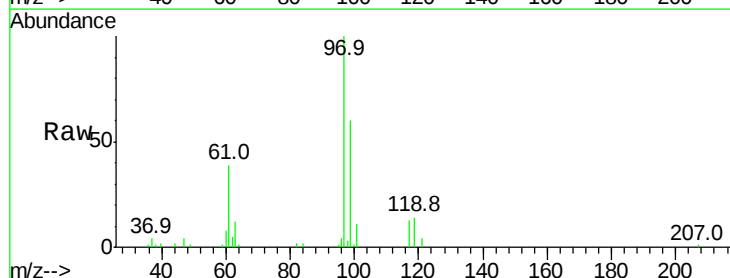
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

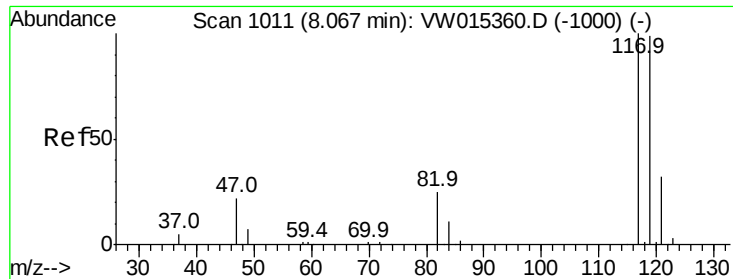
Tgt Ion: 56 Resp: 18051
Ion Ratio Lower Upper
56 100
69 35.3 27.4 41.2
84 102.9 83.2 124.8



#31
1,1,1-Trichloroethane
Concen: 2.908 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

Tgt Ion: 97 Resp: 20786
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 40.8 32.8 49.2





#32

Carbon tetrachloride

Concen: 2.914 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

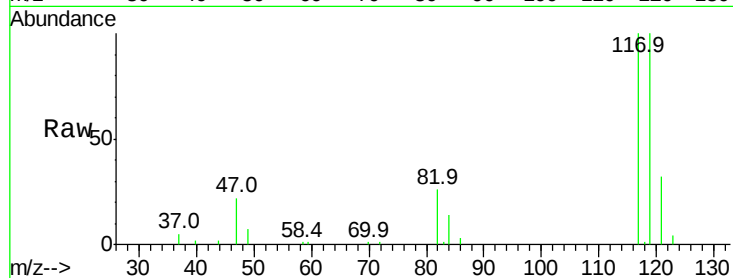
VSTD2.501

Tgt Ion:117 Resp: 19902

Ion Ratio Lower Upper

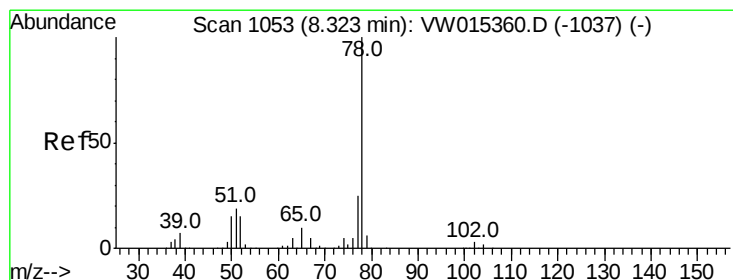
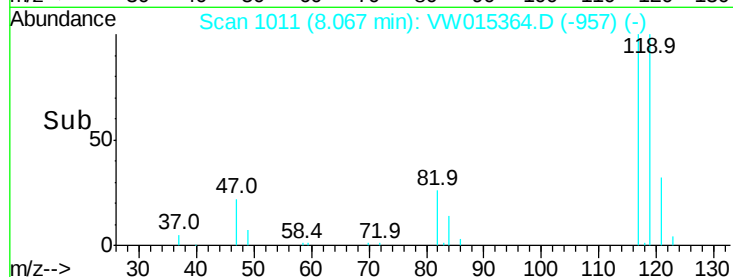
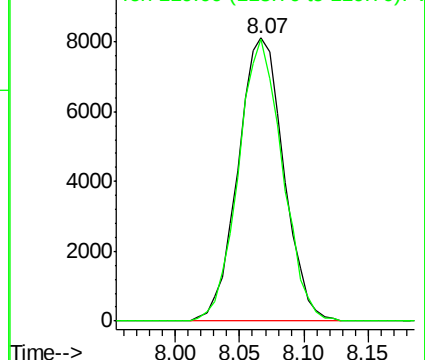
117 100

119 95.9 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: 2.864 ug/L

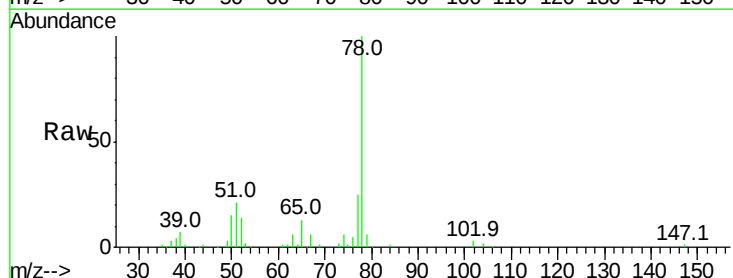
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

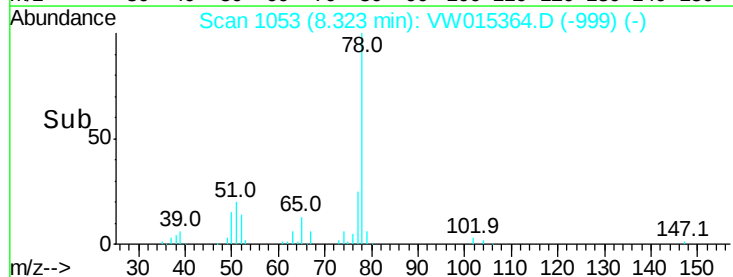
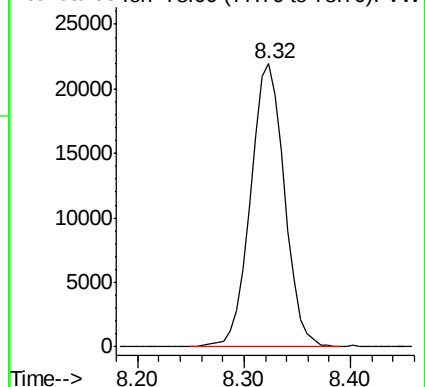
Lab File: VW015364.D

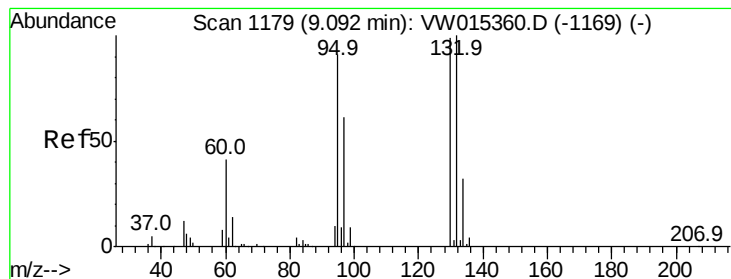
Acq: 28 Apr 2020 15:57

Tgt Ion: 78 Resp: 49135



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.803 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 95 Resp: 13878

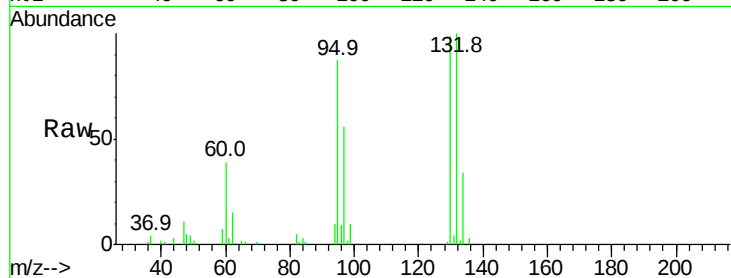
Ion Ratio Lower Upper

95 100

97 64.1 45.9 85.3

132 107.9 75.2 139.6

130 113.5 76.7 142.5

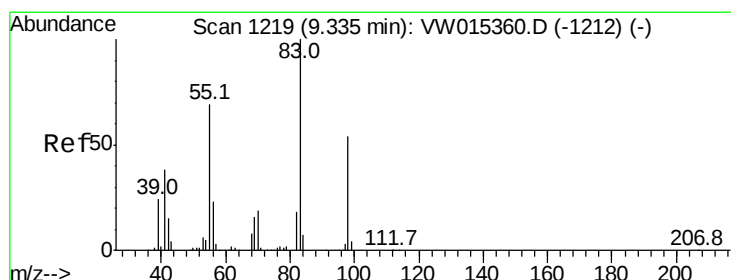
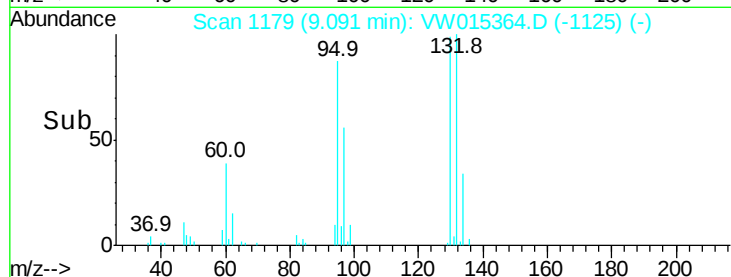
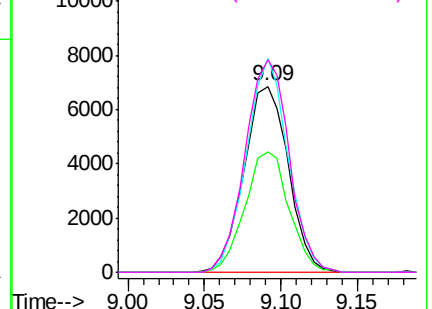


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.803 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

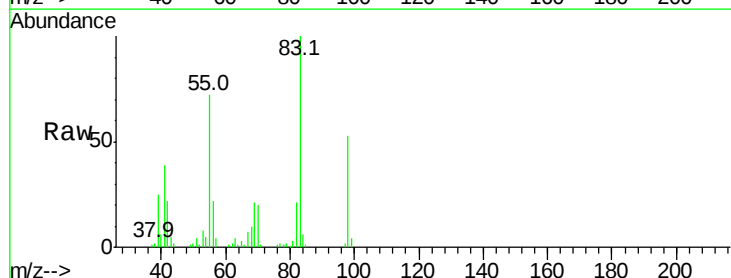
Tgt Ion: 83 Resp: 23504

Ion Ratio Lower Upper

83 100

55 68.9 53.7 80.5

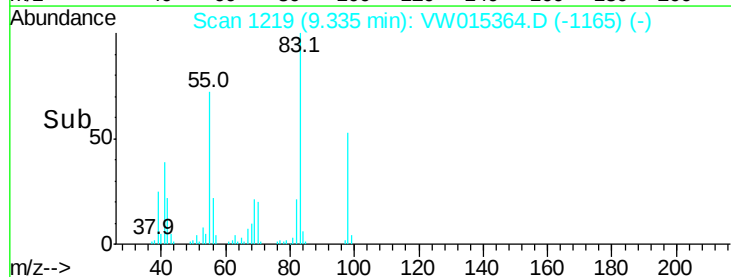
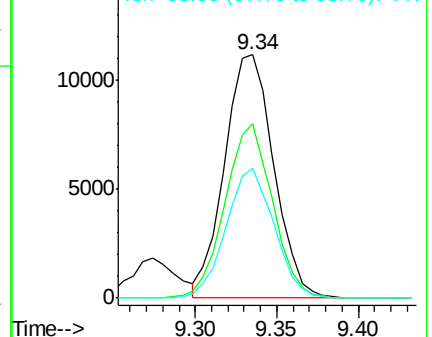
98 51.7 42.3 63.5

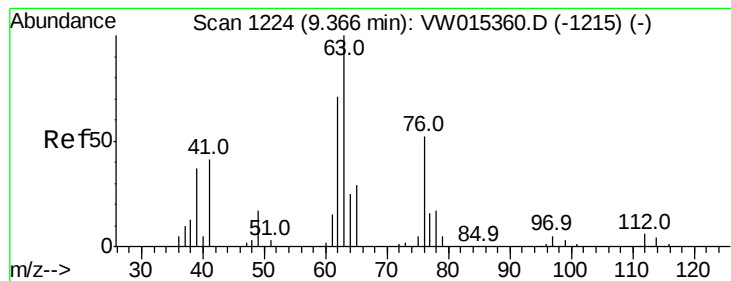


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.903 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

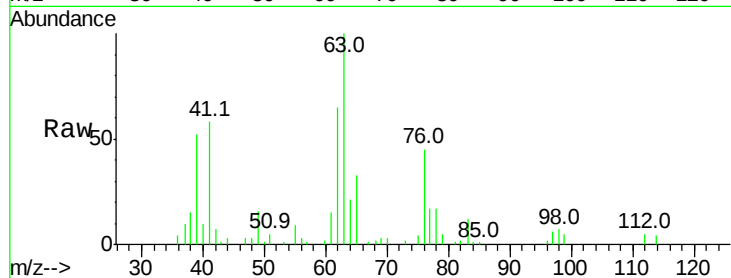
VSTD2.501

Tgt Ion: 63 Resp: 11302

Ion Ratio Lower Upper

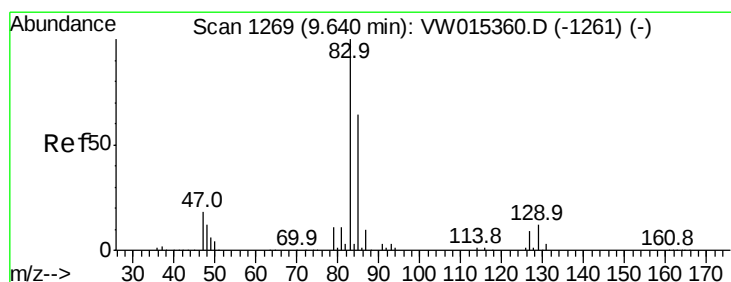
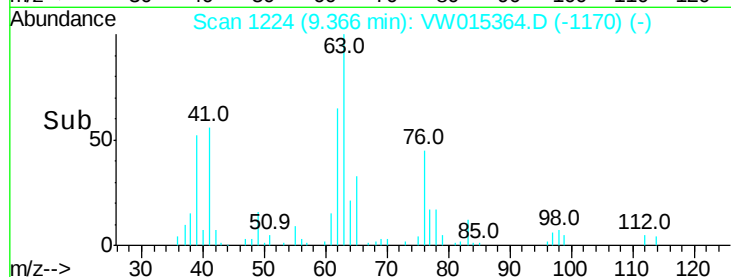
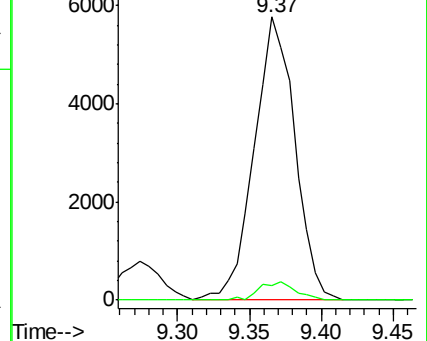
63 100

112 5.5 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.778 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

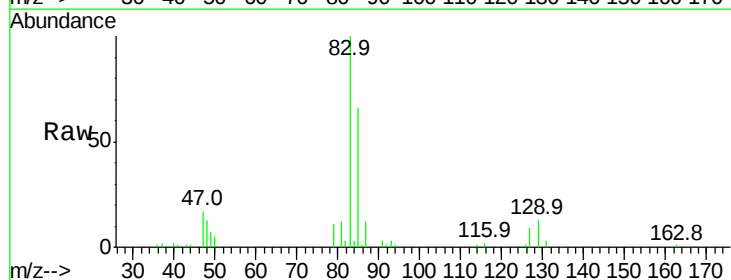
Tgt Ion: 83 Resp: 16719

Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1

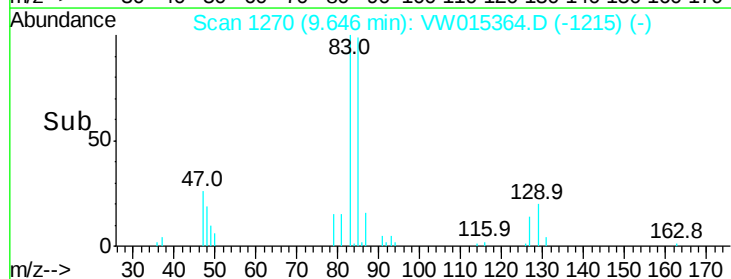
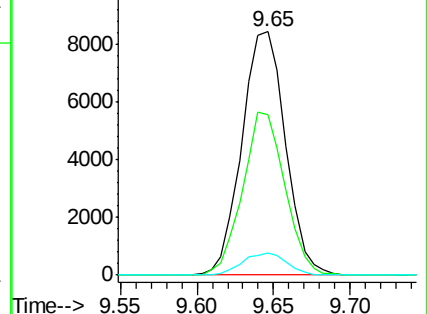
127 9.1 7.0 10.6

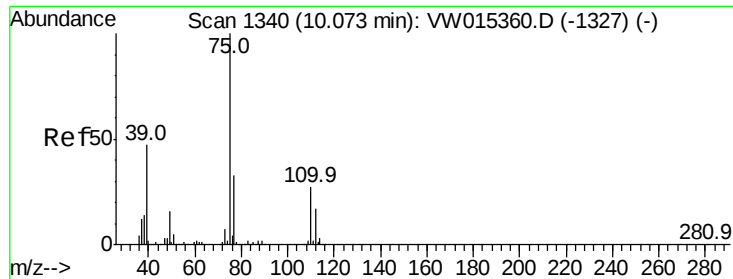


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.733 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampled :

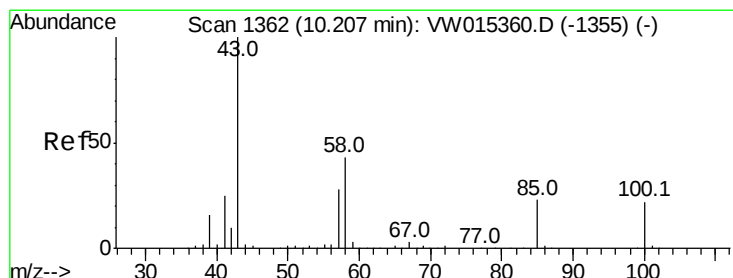
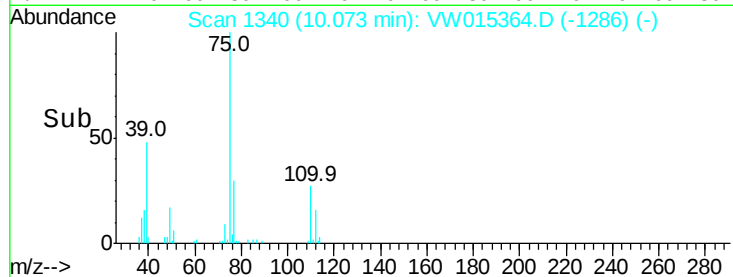
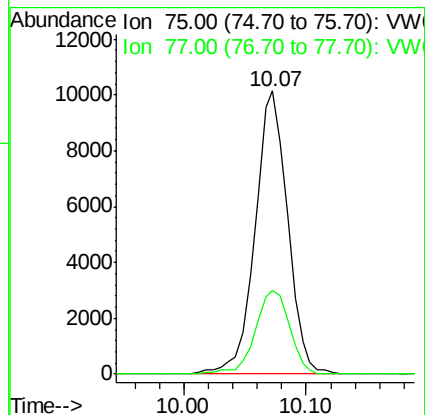
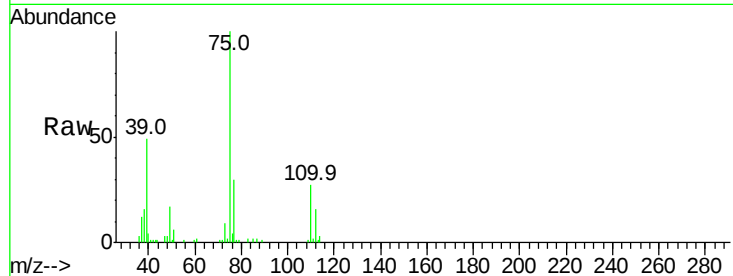
VSTD2.501

Tgt Ion: 75 Resp: 18824

Ion Ratio Lower Upper

75 100

77 29.7 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 7.337 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

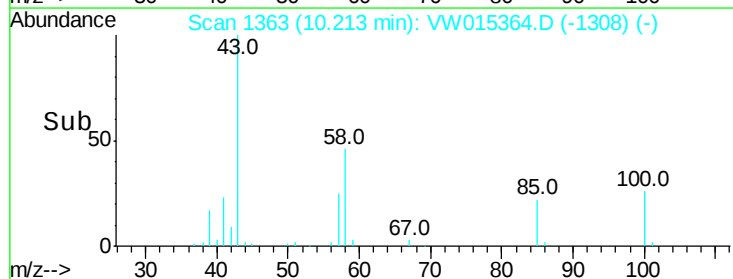
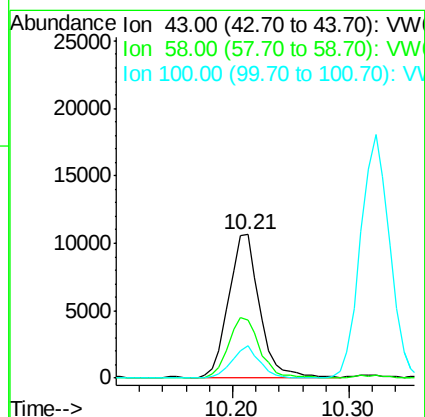
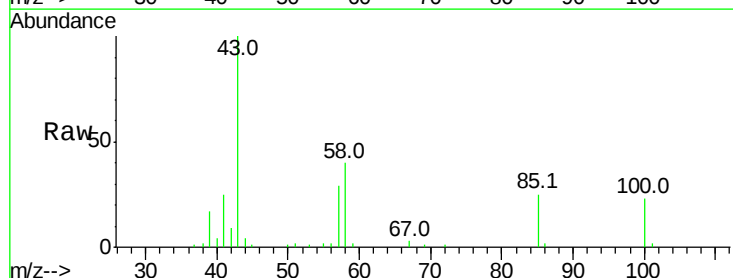
Tgt Ion: 43 Resp: 19683

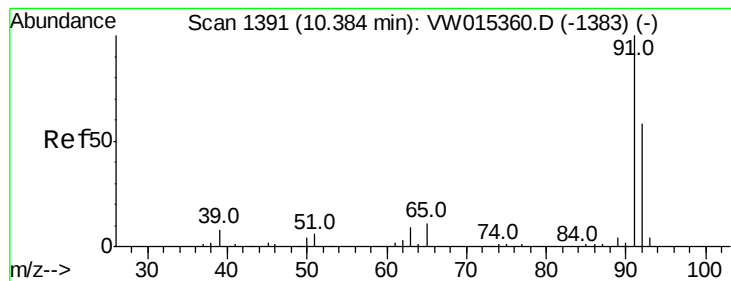
Ion Ratio Lower Upper

43 100

58 42.4 34.2 51.4

100 20.0 17.2 25.8





#44

Toluene

Concen: 2.747 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

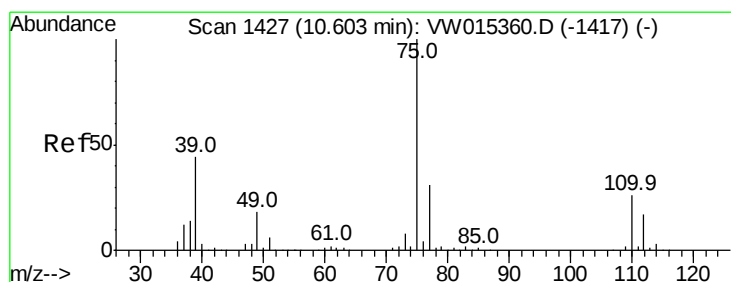
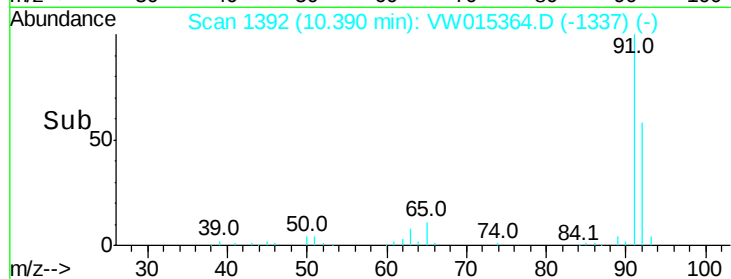
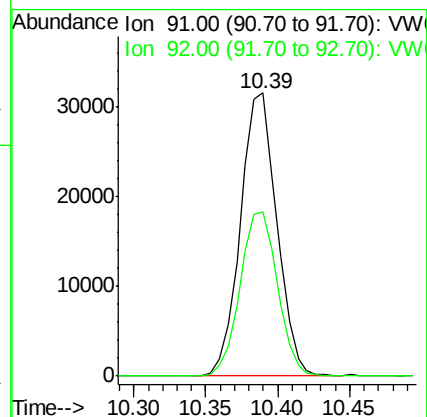
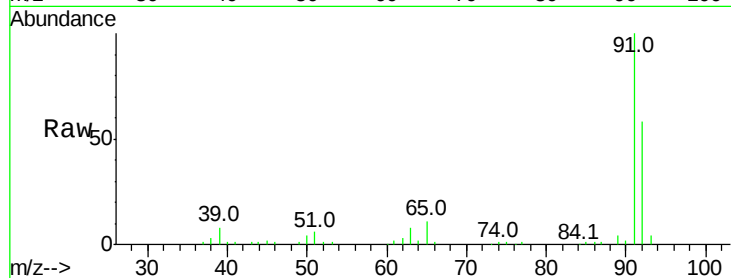
VSTD2.501

Tgt Ion: 91 Resp: 55547

Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 2.656 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015364.D

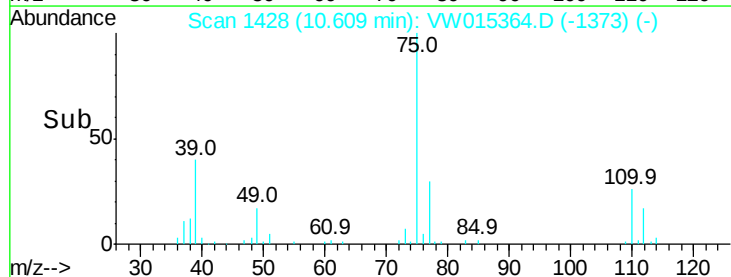
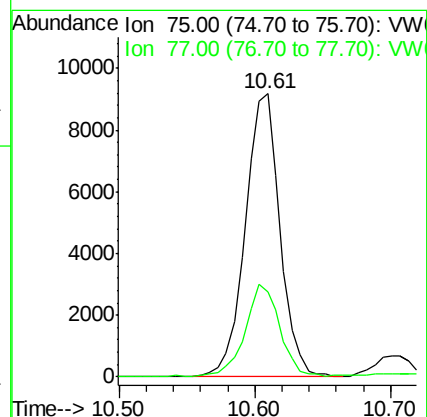
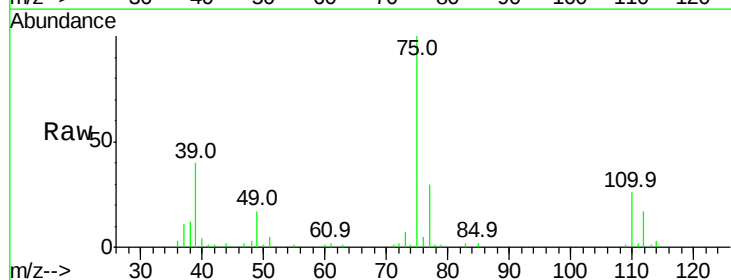
Acq: 28 Apr 2020 15:57

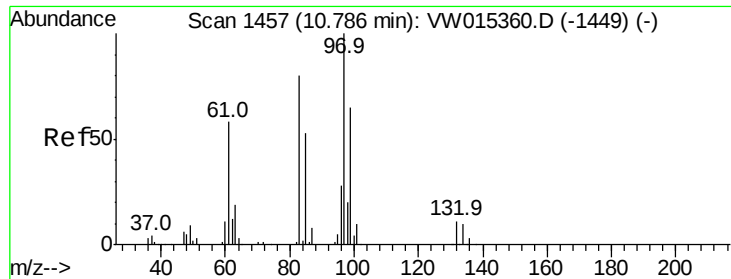
Tgt Ion: 75 Resp: 16315

Ion Ratio Lower Upper

75 100

77 29.9 22.0 41.0

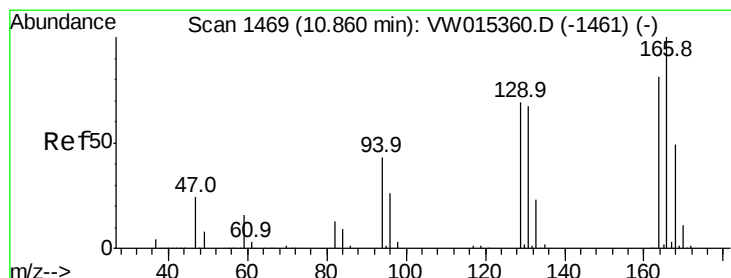
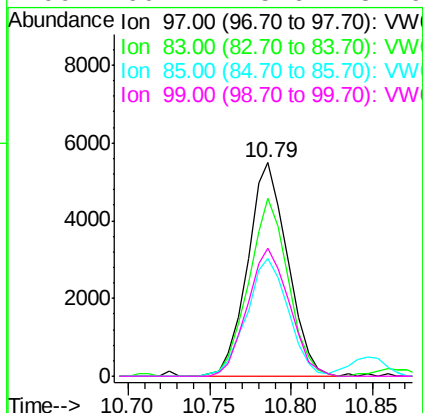
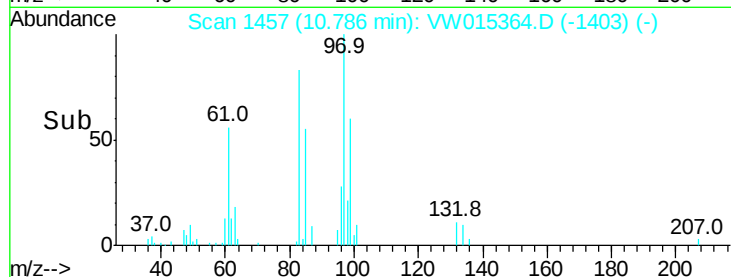
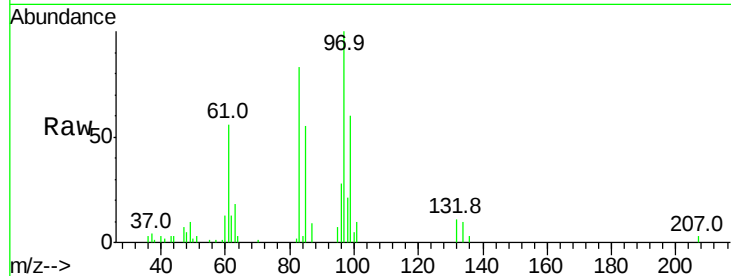




#46
 1,1,2-Trichloroethane
 Concen: 2.756 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

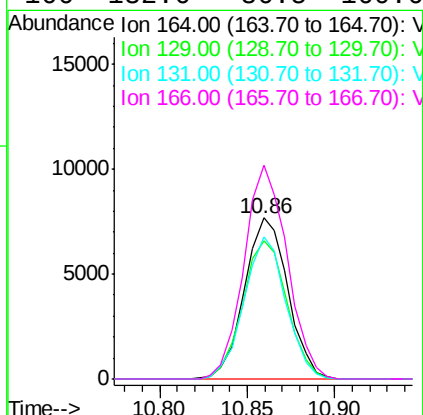
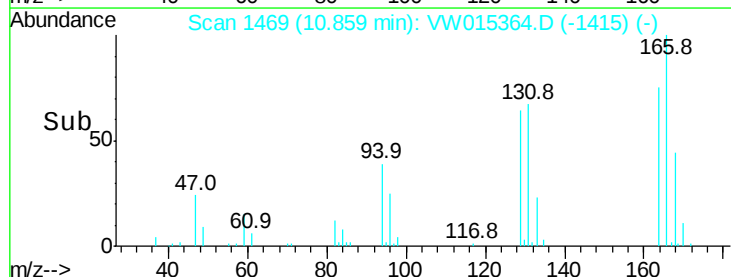
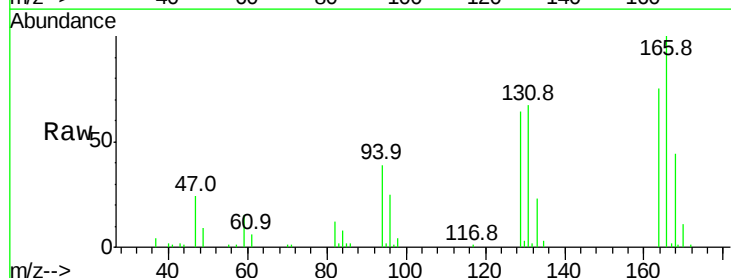
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

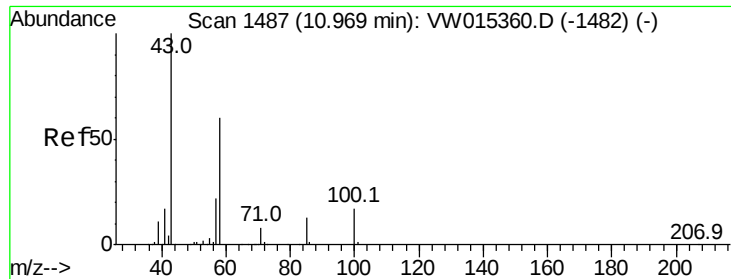
Tgt Ion: 97 Resp: 9343
 Ion Ratio Lower Upper
 97 100
 83 83.1 56.1 104.1
 85 55.2 37.2 69.0
 99 60.2 45.6 84.6



#47
 Tetrachloroethene
 Concen: 2.823 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Tgt Ion: 164 Resp: 13341
 Ion Ratio Lower Upper
 164 100
 129 85.5 60.0 111.4
 131 88.2 58.0 107.8
 166 132.6 86.5 160.6





#49

2-Hexanone

Concen: 5.327 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 43 Resp: 7904

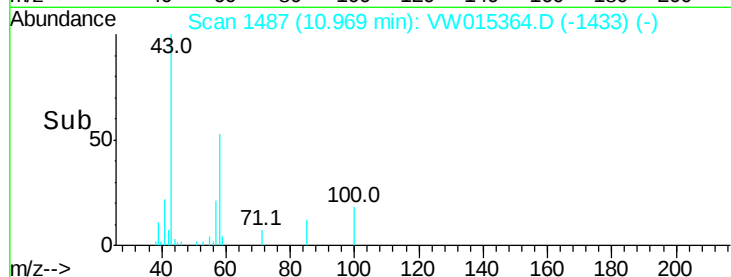
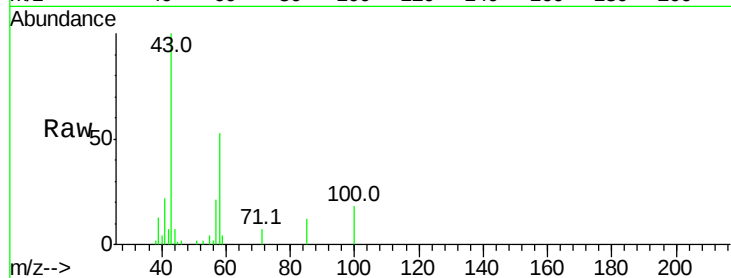
Ion Ratio Lower Upper

43 100

58 56.7 47.1 70.7

57 22.2 16.9 25.3

100 18.1 13.2 19.8

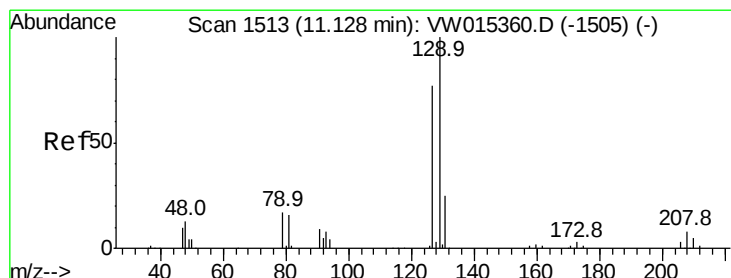
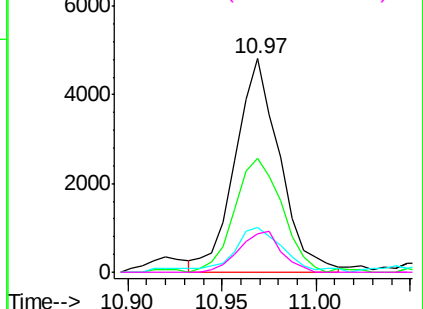


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.701 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015364.D

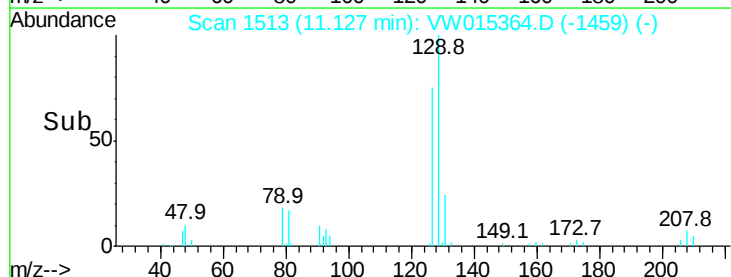
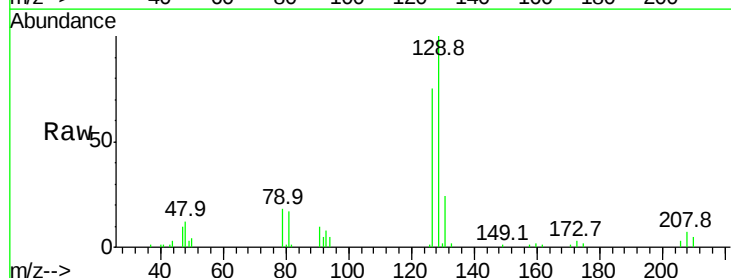
Acq: 28 Apr 2020 15:57

Tgt Ion: 129 Resp: 12201

Ion Ratio Lower Upper

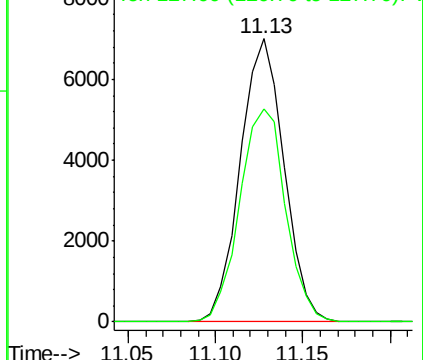
129 100

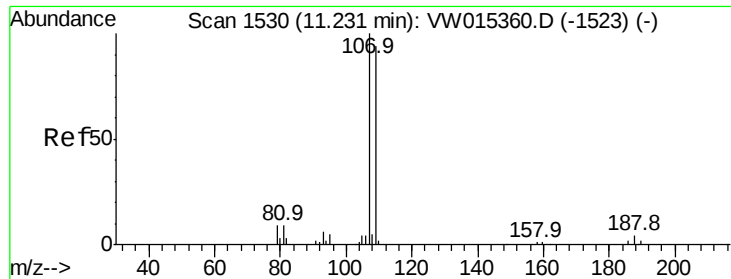
127 75.1 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

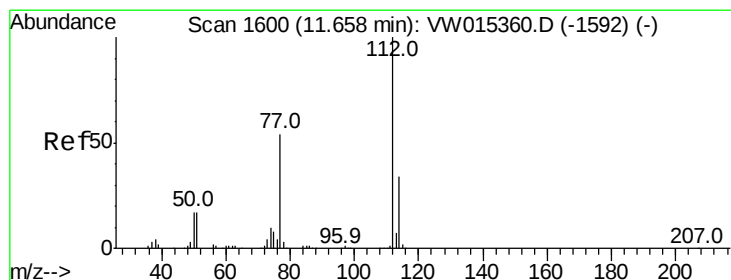
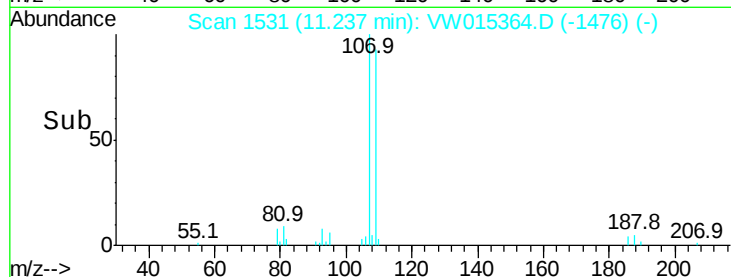
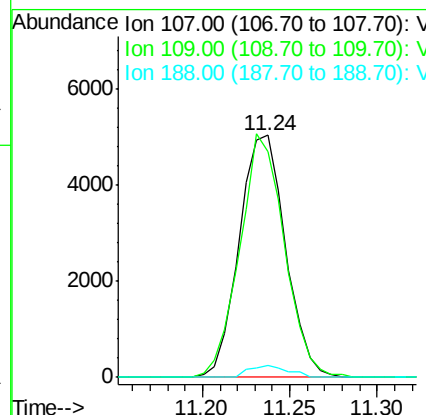
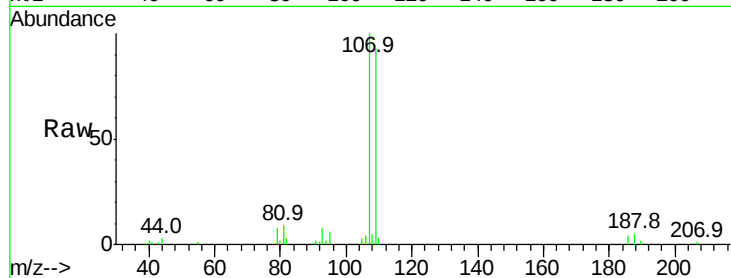




#51
1,2-Dibromoethane
Concen: 2.729 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

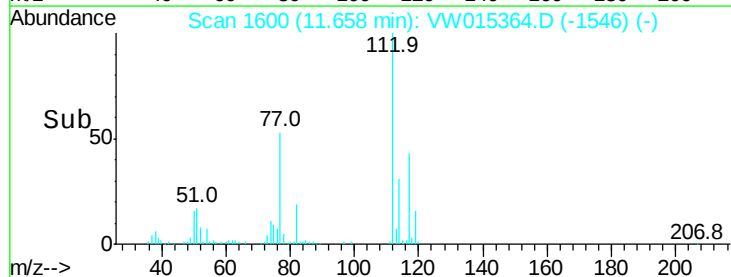
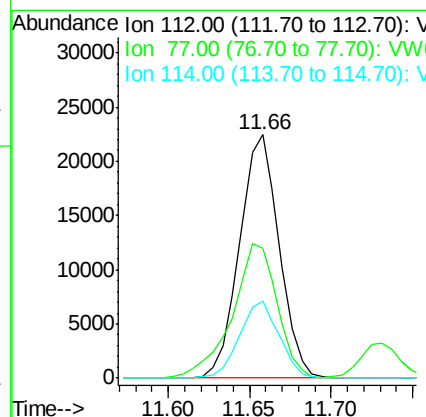
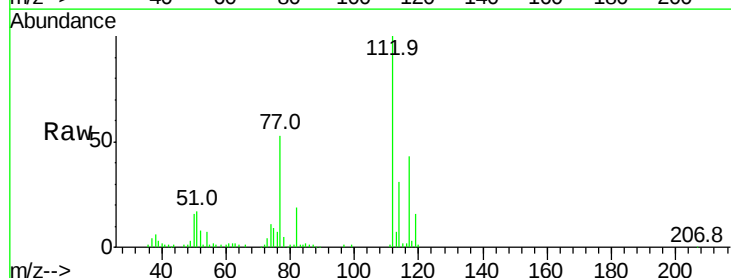
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

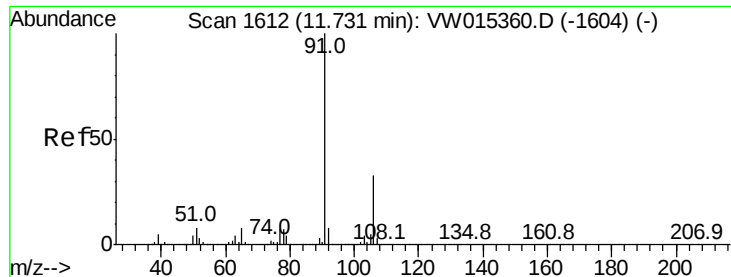
Tgt Ion:107 Resp: 9266
Ion Ratio Lower Upper
107 100
109 93.3 65.9 122.5
188 5.2 3.6 5.4



#52
Chlorobenzene
Concen: 2.815 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015364.D
Acq: 28 Apr 2020 15:57

Tgt Ion:112 Resp: 37979
Ion Ratio Lower Upper
112 100
77 53.2 43.8 65.6
114 31.5 23.5 43.7





#53

Ethylbenzene

Concen: 2.764 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

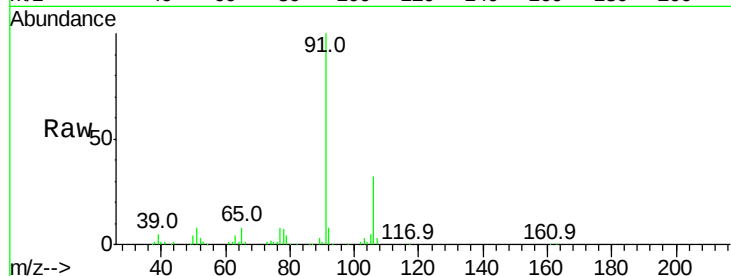
VSTD2.501

Tgt Ion: 91 Resp: 64156

Ion Ratio Lower Upper

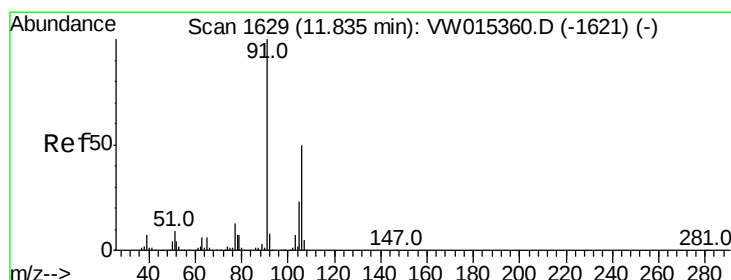
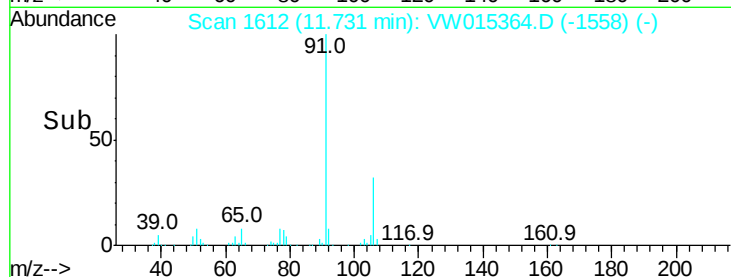
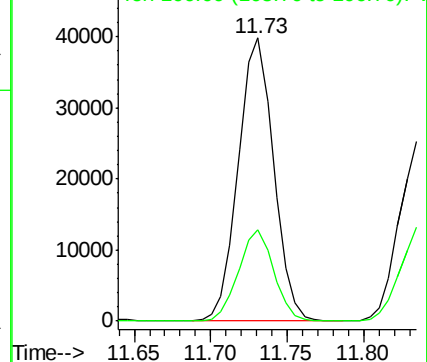
91 100

106 32.3 23.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 2.767 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015364.D

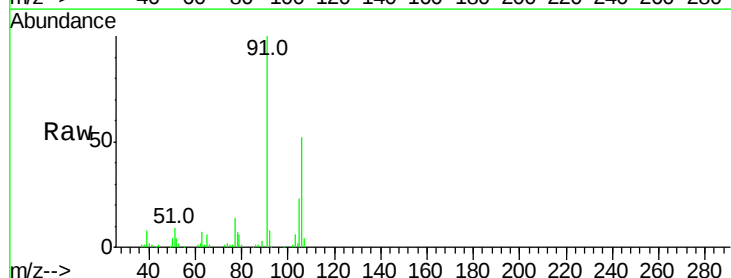
Acq: 28 Apr 2020 15:57

Tgt Ion: 106 Resp: 25336

Ion Ratio Lower Upper

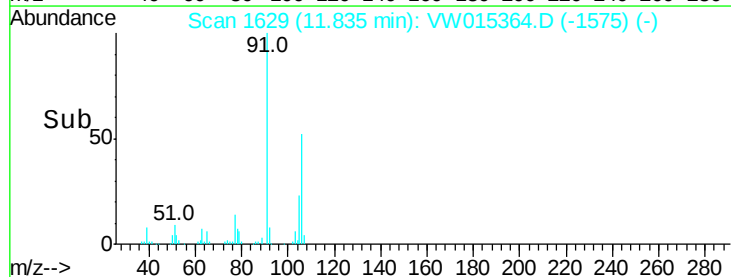
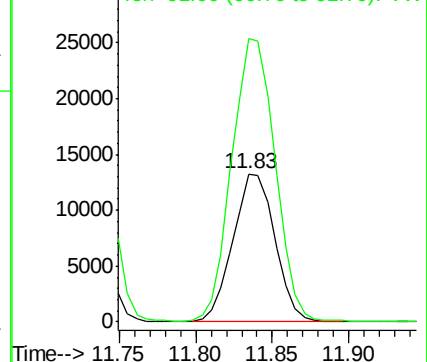
106 100

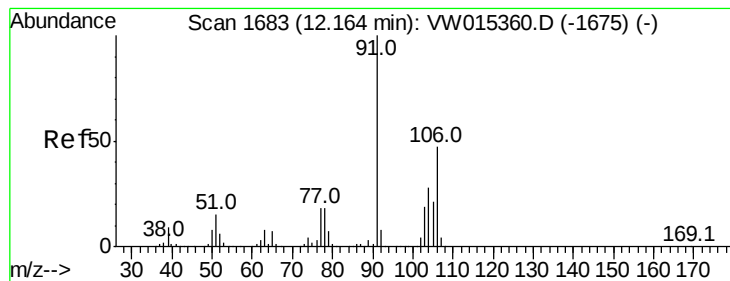
91 191.5 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 2.774 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampleId :

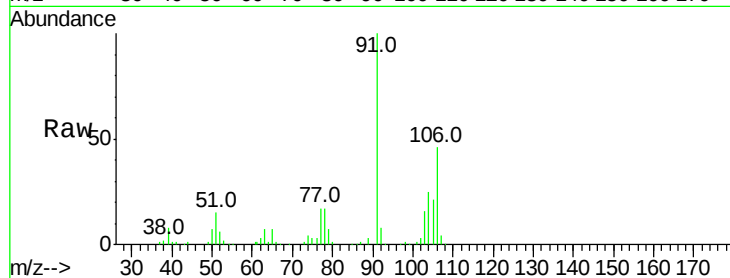
VSTD2.501

Tgt Ion:106 Resp: 24220

Ion Ratio Lower Upper

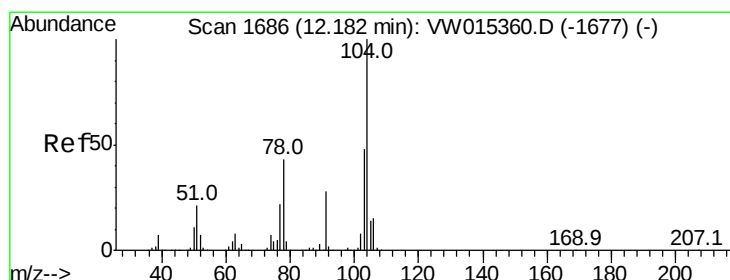
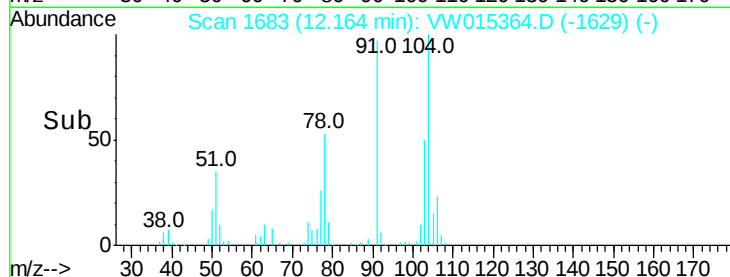
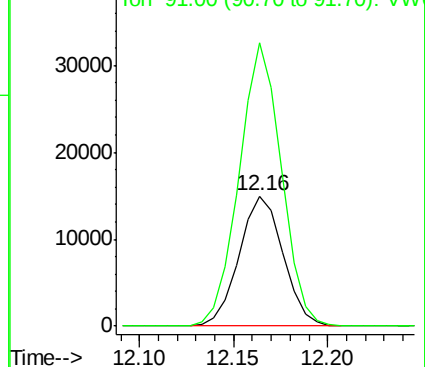
106 100

91 217.4 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.637 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015364.D

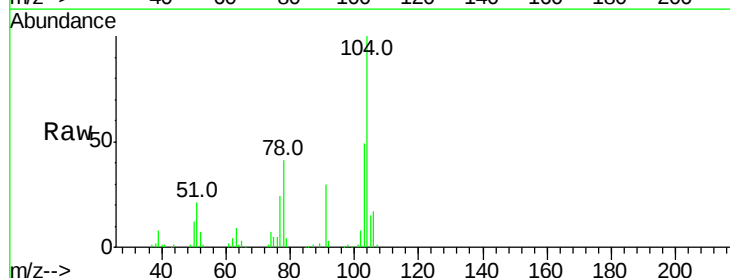
Acq: 28 Apr 2020 15:57

Tgt Ion:104 Resp: 39061

Ion Ratio Lower Upper

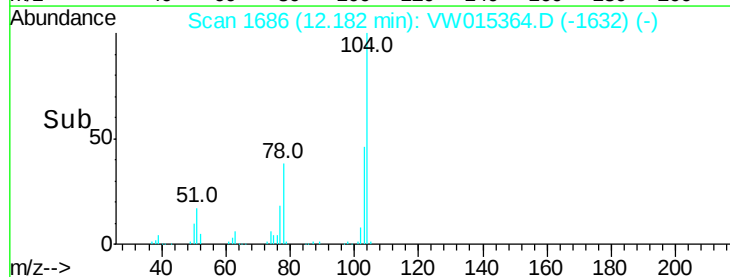
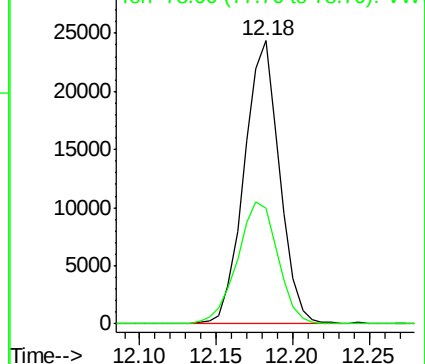
104 100

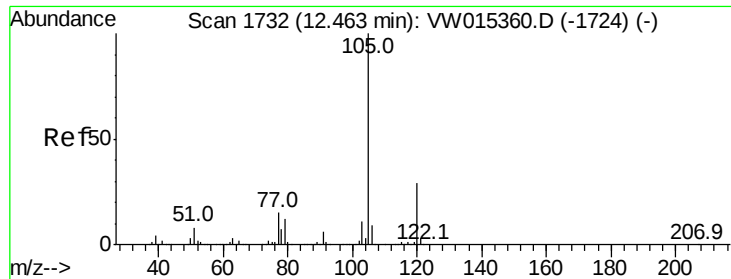
78 40.9 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.756 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampled :

VSTD2.501

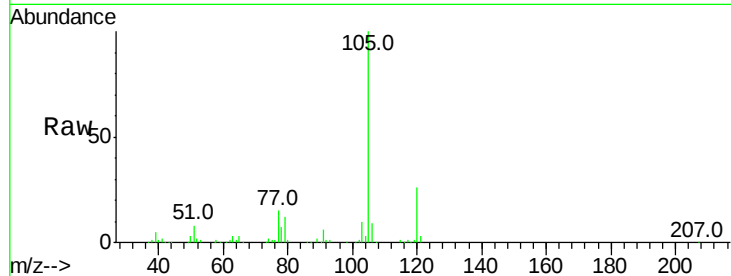
Tgt Ion:105 Resp: 65889

Ion Ratio Lower Upper

105 100

120 27.2 22.4 33.6

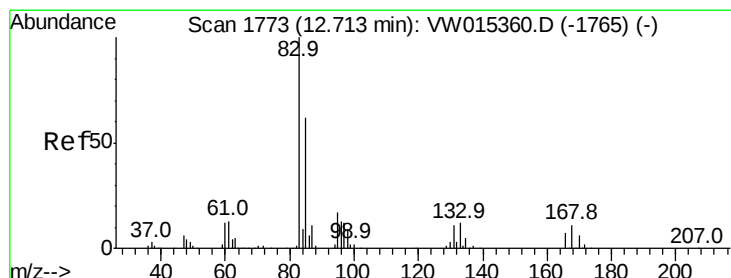
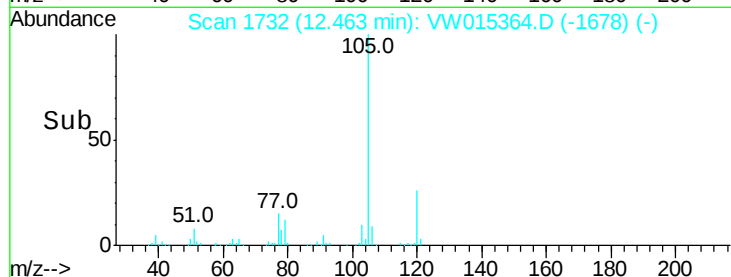
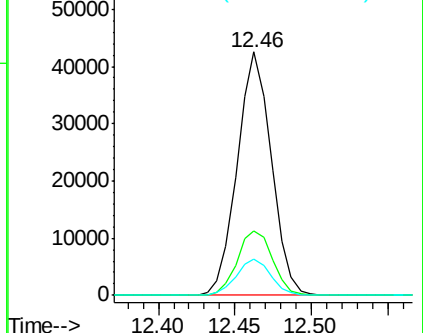
77 15.0 12.2 18.2



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: 2.770 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

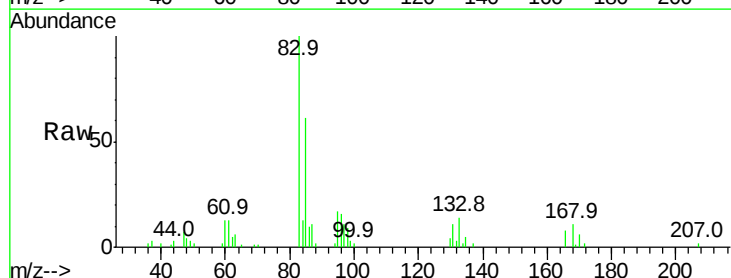
Tgt Ion: 83 Resp: 10499

Ion Ratio Lower Upper

83 100

85 61.3 43.8 81.3

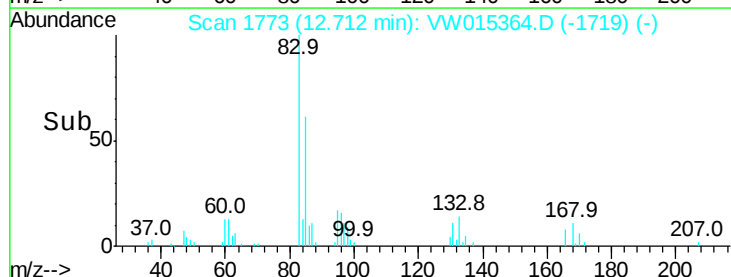
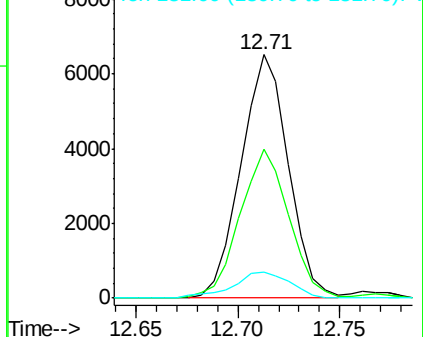
131 10.8 9.1 13.7

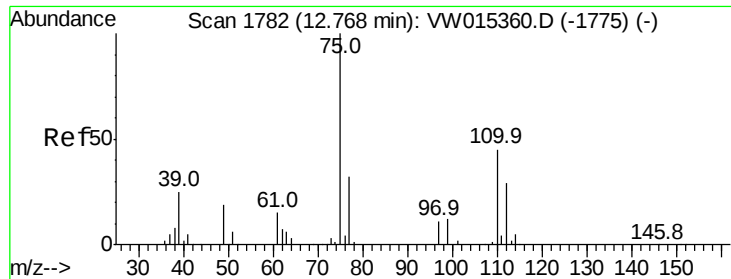


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.680 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

Instrument :

MSVOA_W

ClientSampled :

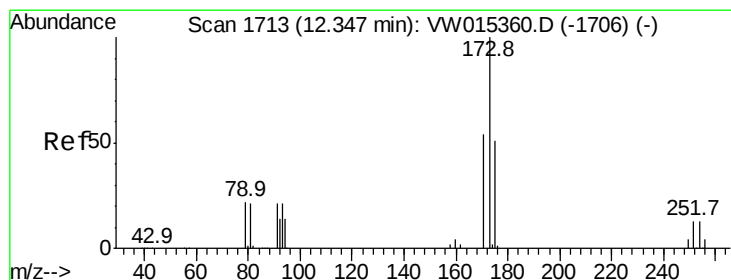
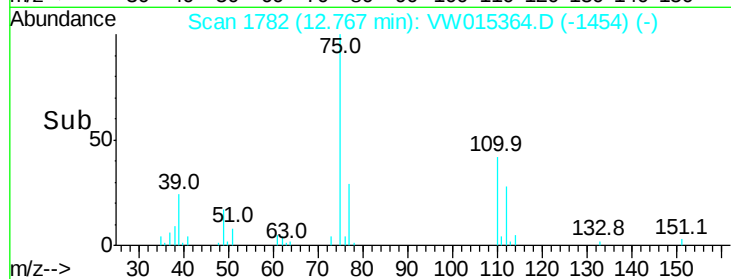
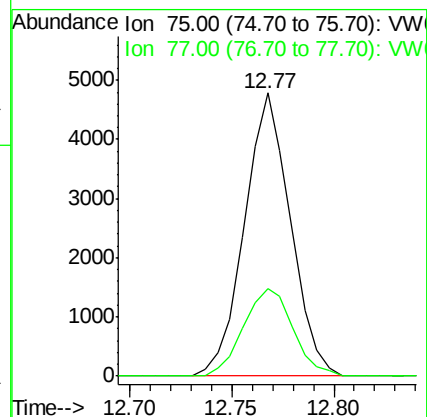
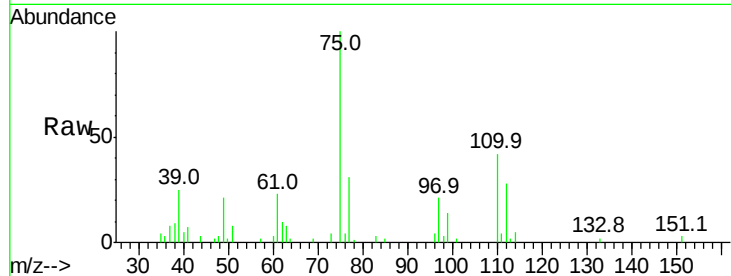
VSTD2.501

Tgt Ion: 75 Resp: 7485

Ion Ratio Lower Upper

75 100

77 33.1 26.4 39.6



#62

Bromoform

Concen: 2.650 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015364.D

Acq: 28 Apr 2020 15:57

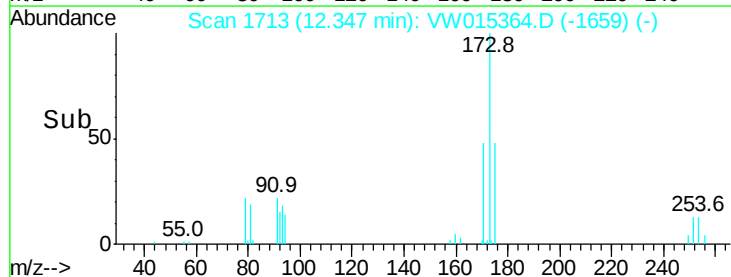
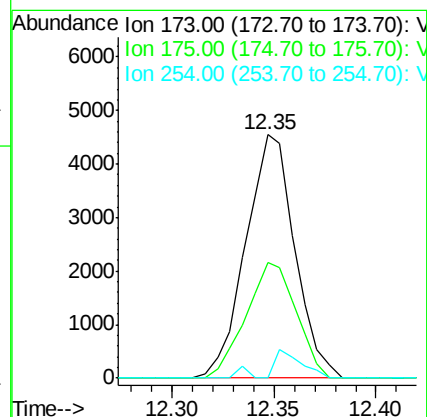
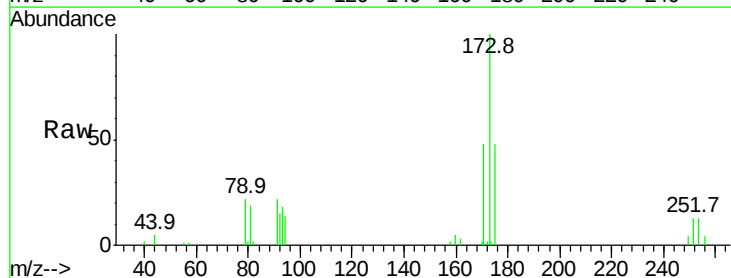
Tgt Ion: 173 Resp: 7562

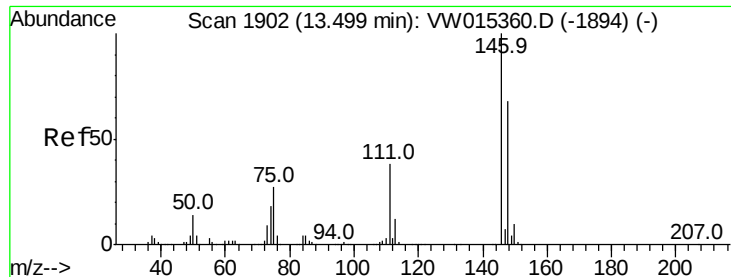
Ion Ratio Lower Upper

173 100

175 48.8 40.4 60.6

254 6.4 9.8 14.8#

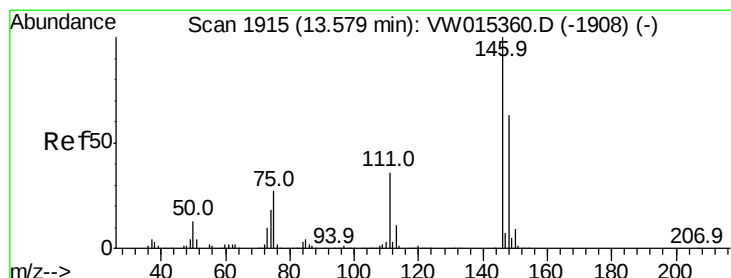
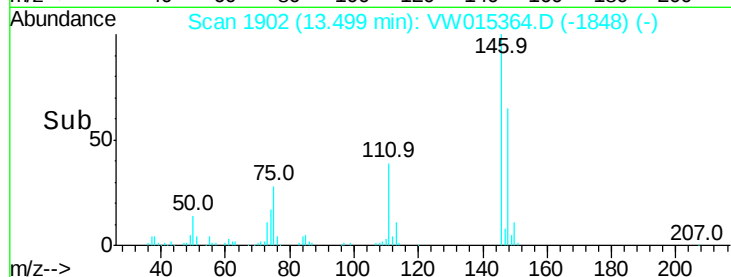
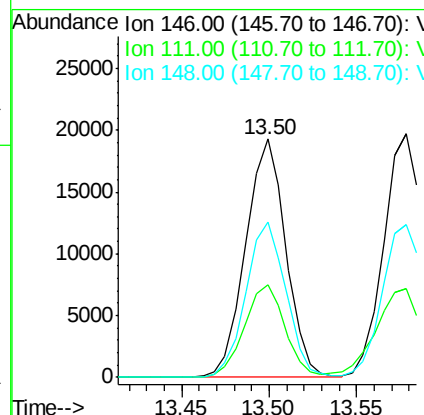
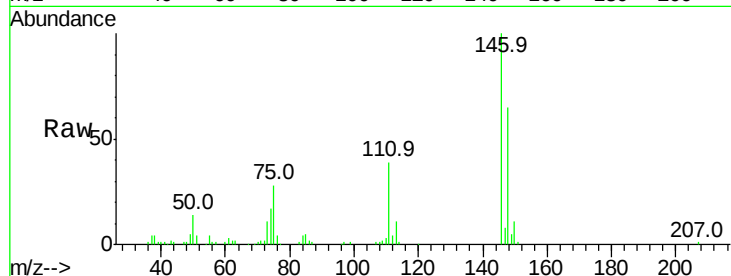




#63
 1,3-Dichlorobenzene
 Concen: 2.786 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

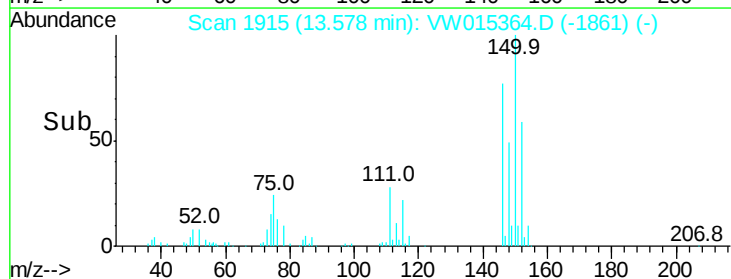
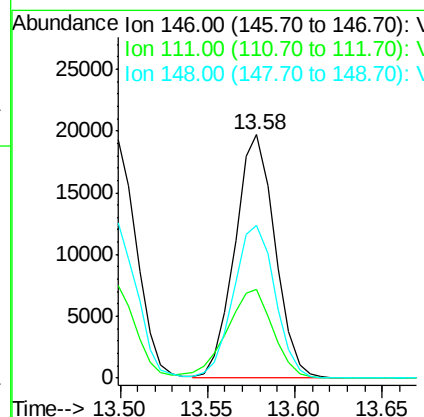
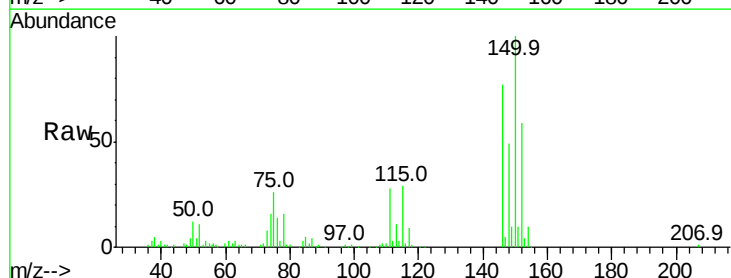
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.501

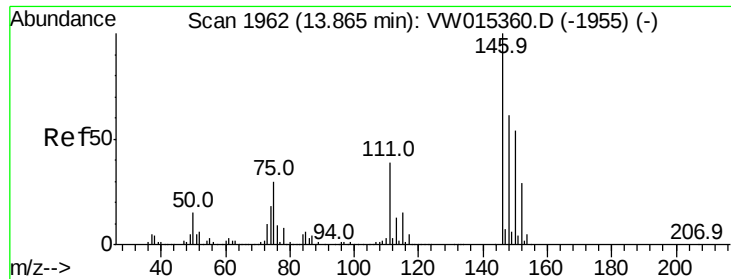
Tgt Ion:146 Resp: 30690
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.6 49.4
 148 65.1 47.5 88.3



#64
 1,4-Dichlorobenzene
 Concen: 2.882 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Tgt Ion:146 Resp: 31426
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.5 47.3
 148 62.8 44.2 82.2

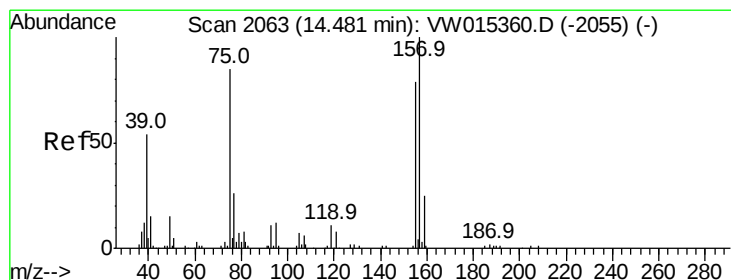
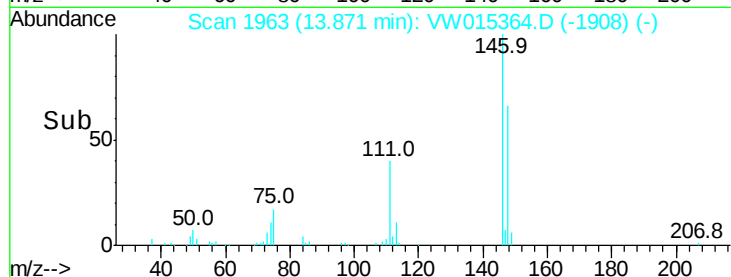
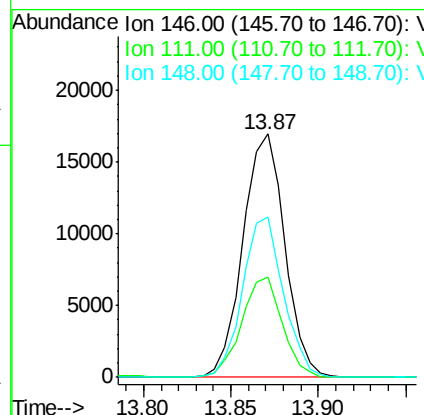
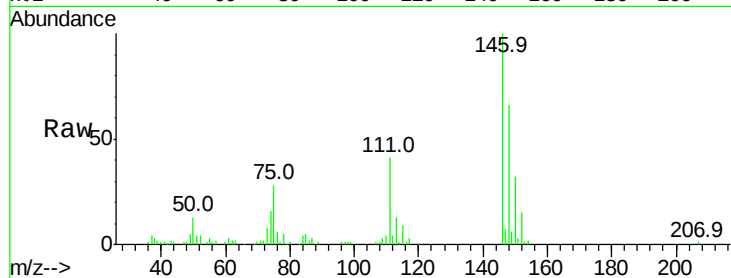




#65
 1,2-Dichlorobenzene
 Concen: 2.926 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

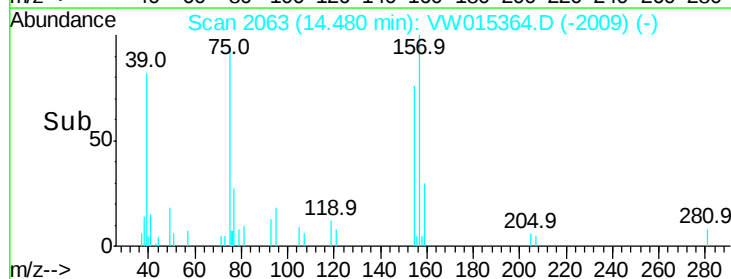
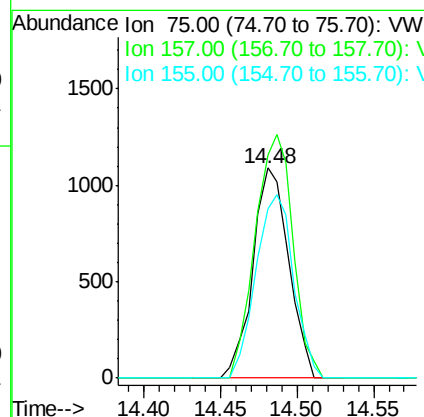
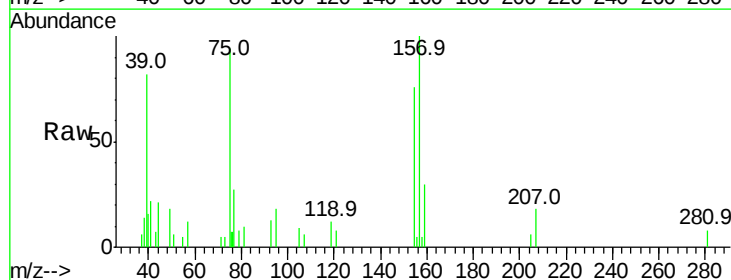
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

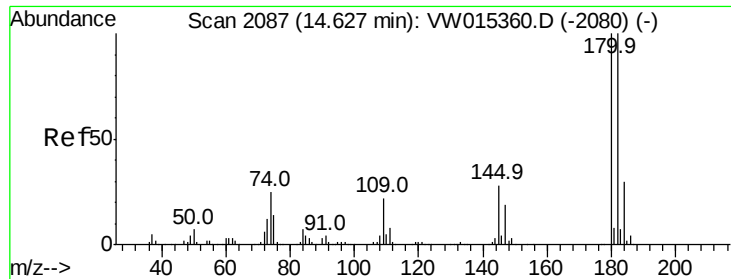
Tgt Ion: 146 Resp: 28253
 Ion Ratio Lower Upper
 146 100
 111 41.3 31.4 47.0
 148 65.6 48.9 73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.731 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Tgt Ion: 75 Resp: 1773
 Ion Ratio Lower Upper
 75 100
 157 106.2 94.6 141.8
 155 80.9 75.0 112.6

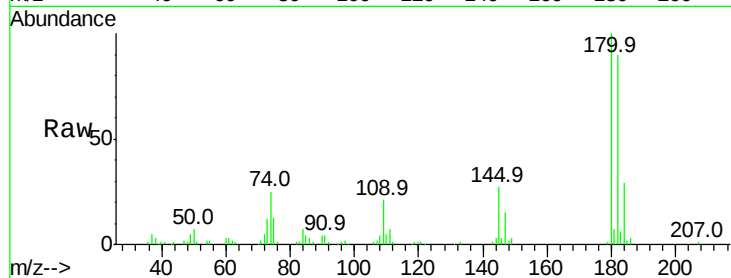




#67
 1,3,5-Trichlorobenzene
 Concen: 3.008 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:	180	Resp:	24749
Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
184	29.7	25.0	37.4
145	28.4	22.9	34.3

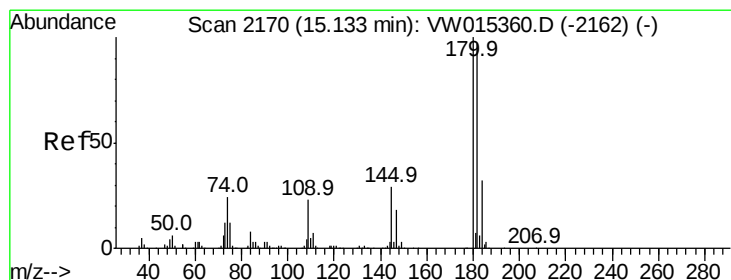
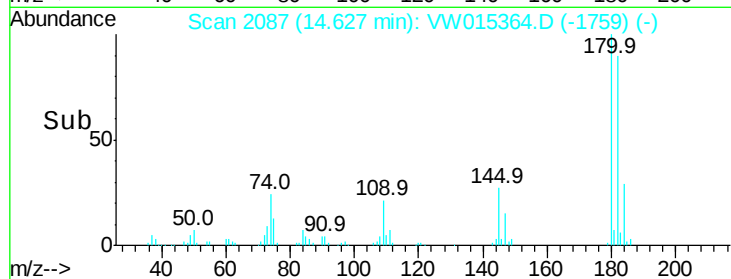
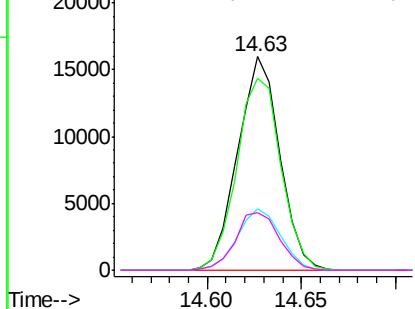


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

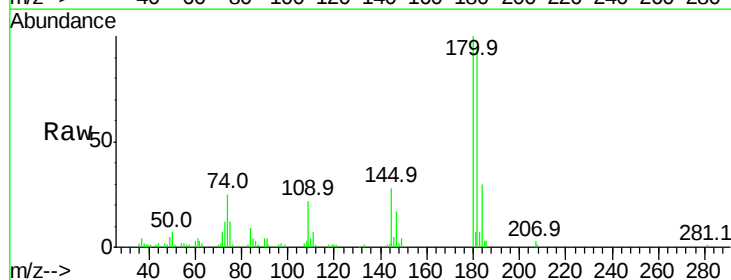
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.887 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015364.D
 Acq: 28 Apr 2020 15:57

Tgt Ion:	180	Resp:	19793
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.9	116.9
145	28.8	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

