

Data File : VW015360.D
Acq On : 28 Apr 2020 13:59
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Apr 28 14:26:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 28 11:37:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	393946	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	62773	14.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	72179	18.29	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	161662	19.75	ug/L	0.00
20) 2-Butanone-d5	7.08	46	40512	43.23	ug/L	0.00
24) Chloroform-d	7.65	84	193290	27.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	100020	21.68	ug/L	0.00
29) Benzene-d6	8.27	84	368922	22.71	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	103442	22.87	ug/L	0.00
37) Toluene-d8	10.32	98	378154	21.99	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	53762	22.63	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	39198	46.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90278	23.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	150638	22.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	83944	15.152	ug/L	100
3) Chloromethane	2.21	50	67054	14.270	ug/L	99
5) Vinyl chloride	2.37	62	85947	15.620	ug/L	95
6) Bromomethane	2.78	94	78798	20.376	ug/L	100
8) Chloroethane	2.93	64	65153	18.566	ug/L	98
9) Trichlorofluoromethane	3.26	101	103852	12.420	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	107678	20.880	ug/L	98
12) 1,1-Dichloroethene	4.03	96	101536	21.878	ug/L	89
13) Acetone	4.12	43	28827	34.431	ug/L	98
14) Carbon disulfide	4.38	76	281210	19.523	ug/L	99
15) Methyl Acetate	4.67	43	33841	21.007	ug/L	98
16) Methylene chloride	4.92	84	104461	20.449	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	152890	13.767	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	112180	21.622	ug/L	98
19) 1,1-Dichloroethane	6.21	63	174339	21.924	ug/L	98
21) 2-Butanone	7.17	43	47229	40.663	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	121521	22.348	ug/L	97
23) Bromochloromethane	7.51	128	57378	22.749	ug/L	99
25) Chloroform	7.68	83	199169	19.010	ug/L	99
27) 1,2-Dichloroethane	8.40	62	126825	22.395	ug/L	100
30) Cyclohexane	7.95	56	161228	22.230	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	177634	20.946	ug/L	100
32) Carbon tetrachloride	8.07	117	172933	22.827	ug/L	100
34) Benzene	8.32	78	426431	23.399	ug/L	100
35) Trichloroethene	9.09	95	123158	23.292	ug/L	100
36) Methylcyclohexane	9.34	83	208265	23.218	ug/L	99
40) 1,2-Dichloropropane	9.37	63	97106	23.420	ug/L	100
41) Bromodichloromethane	9.64	83	149081	23.207	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	172748	23.294	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	114062	49.938	ug/L	100

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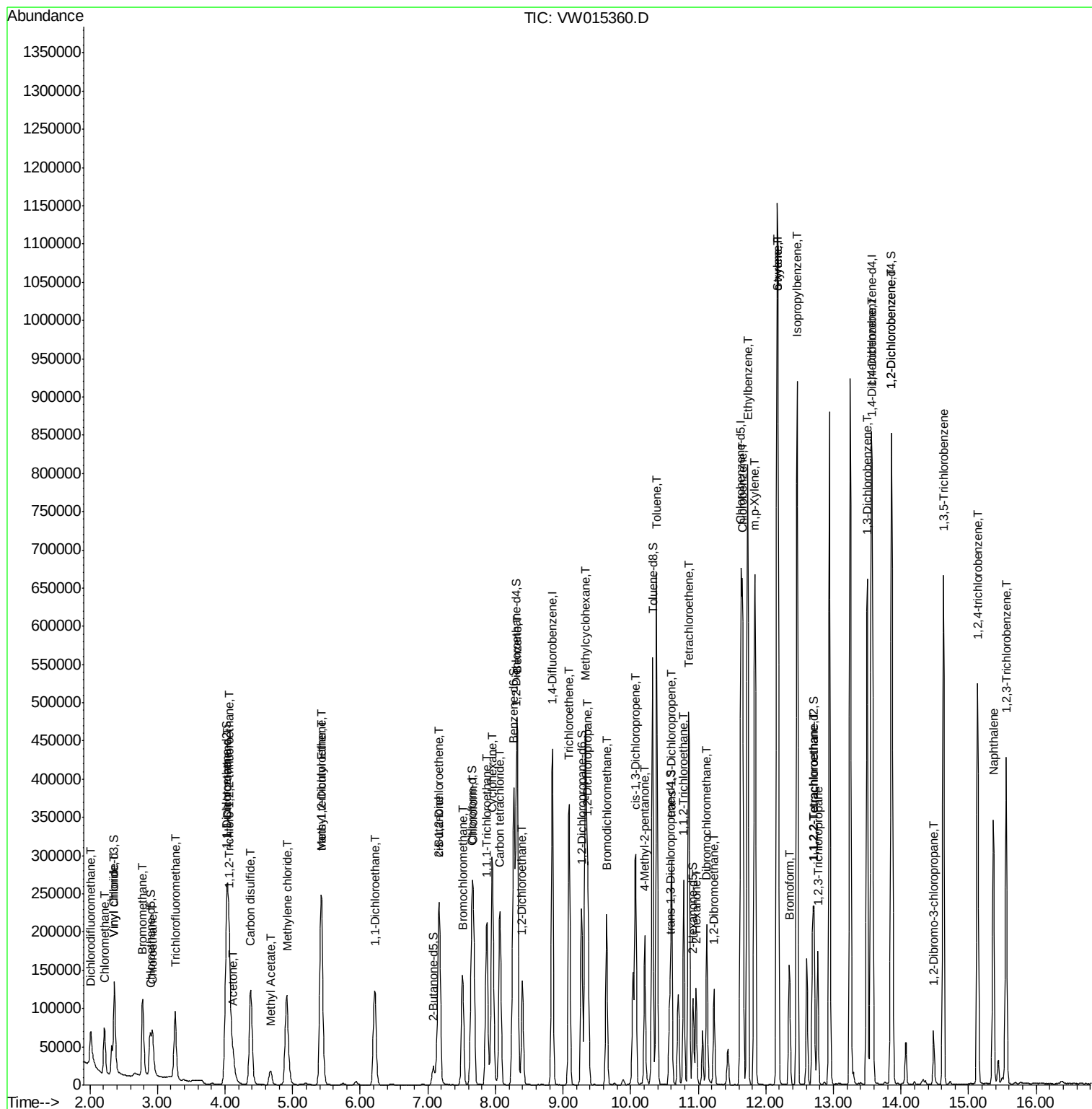
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	503949	23.130	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	154876	23.677	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	83265	23.470	ug/L	99
47) Tetrachloroethene	10.86	164	117368	23.624	ug/L	93
49) 2-Hexanone	10.97	43	72729	43.377	ug/L	99
50) Dibromochloromethane	11.13	129	114494	24.213	ug/L	94
51) 1,2-Dibromoethane	11.23	107	83627	23.605	ug/L	99
52) Chlorobenzene	11.66	112	335825	22.912	ug/L	99
53) Ethylbenzene	11.73	91	583261	22.794	ug/L	99
54) m,p-Xylene	11.83	106	226570	22.084	ug/L	94
55) o-xylene	12.16	106	218009	22.423	ug/L	95
56) Styrene	12.18	104	371777	22.475	ug/L	99
57) Isopropylbenzene	12.46	105	599286	22.330	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	95184	24.429	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69332	23.451	ug/L	99
62) Bromoform	12.35	173	72000	23.689	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	287225	22.604	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	280869	22.393	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	258432	22.732	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	17238	22.804	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	216983	22.889	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	182396	24.146	ug/L	100
69) Naphthalene	15.36	128	309186	24.251	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	157558	24.230	ug/L	98

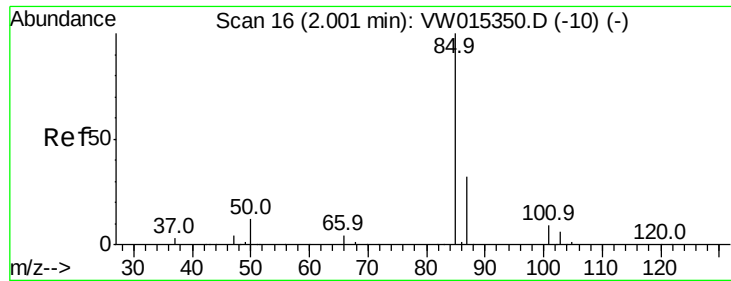
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 15.152 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

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Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

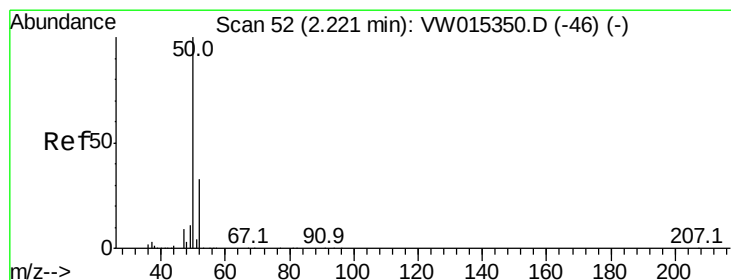
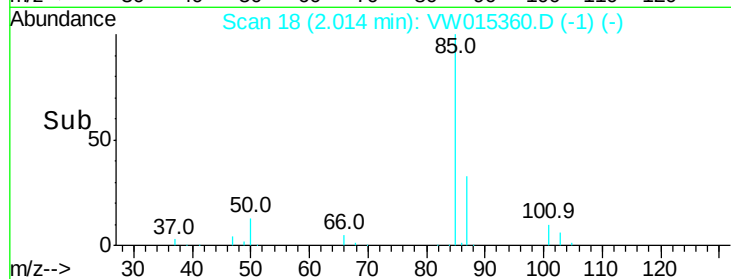
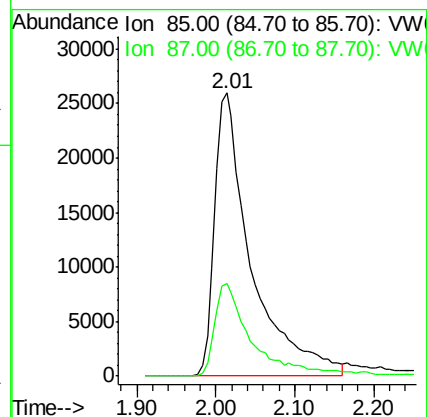
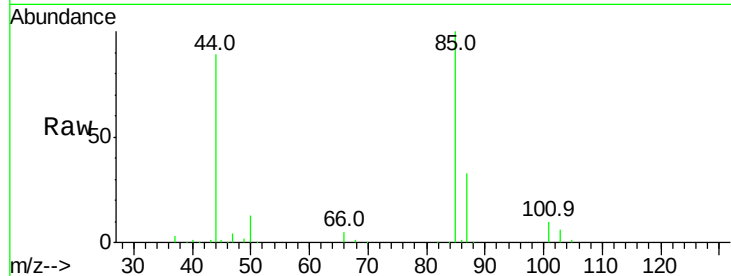
VSTD02503

Tgt Ion: 85 Resp: 83944

Ion Ratio Lower Upper

85 100

87 32.2 22.6 42.0



#3

Chloromethane

Concen: 14.270 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015360.D

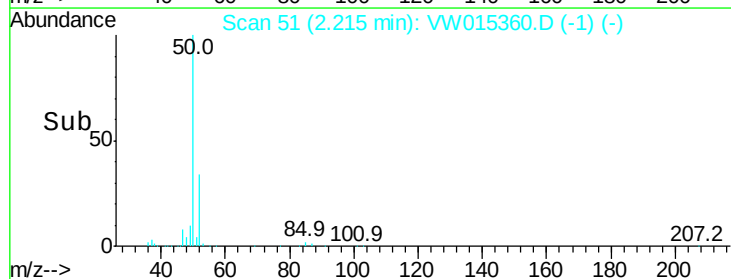
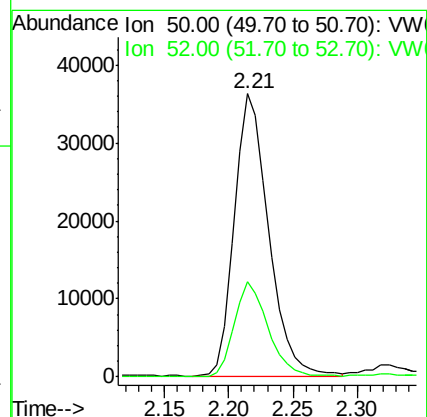
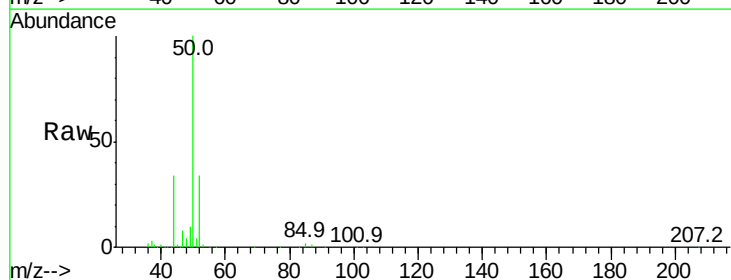
Acq: 28 Apr 2020 13:59

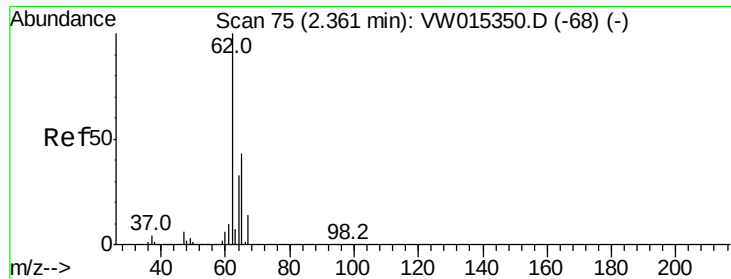
Tgt Ion: 50 Resp: 67054

Ion Ratio Lower Upper

50 100

52 33.7 23.0 42.8





#5

Vinyl chloride

Concen: 15.620 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

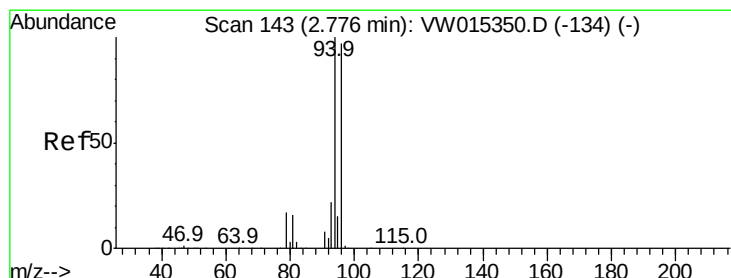
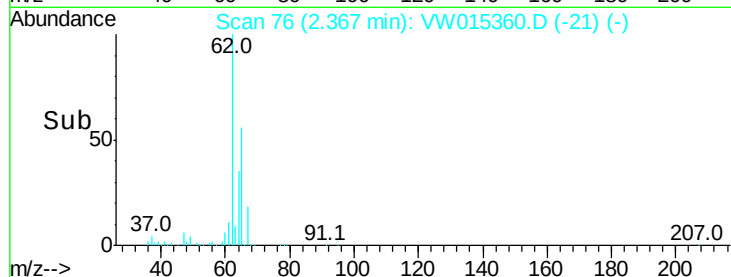
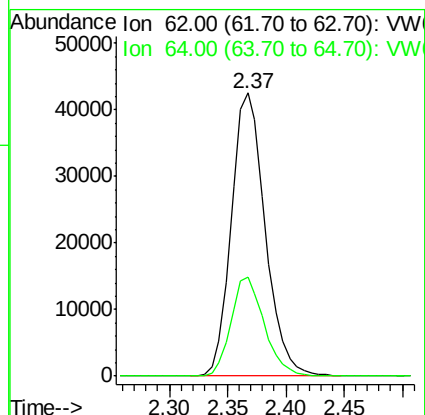
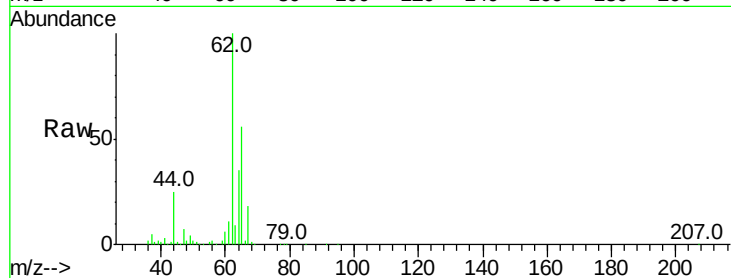
VSTD02503

Tgt Ion: 62 Resp: 85947

Ion Ratio Lower Upper

62 100

64 35.2 22.7 42.3



#6

Bromomethane

Concen: 20.376 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015360.D

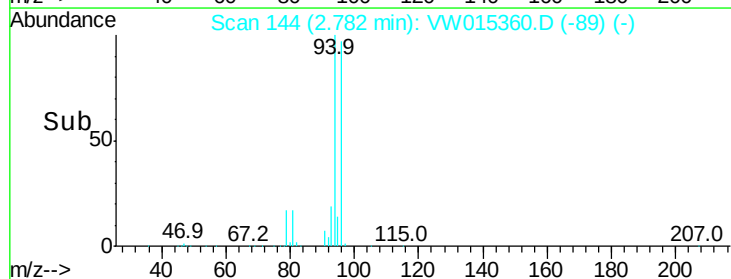
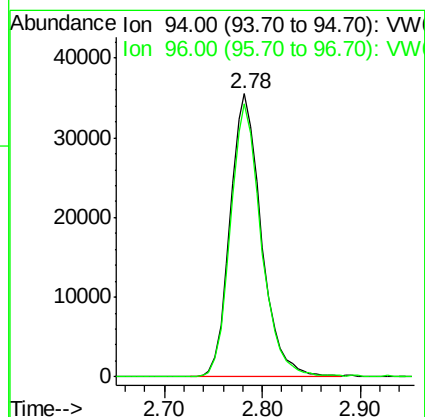
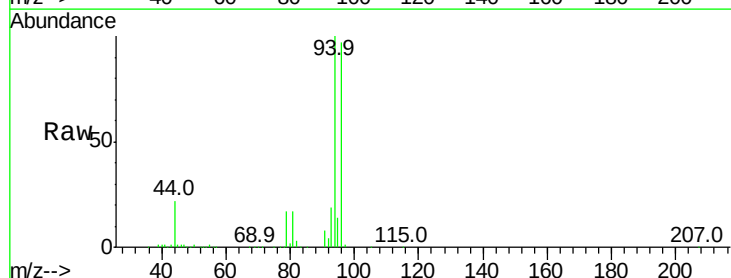
Acq: 28 Apr 2020 13:59

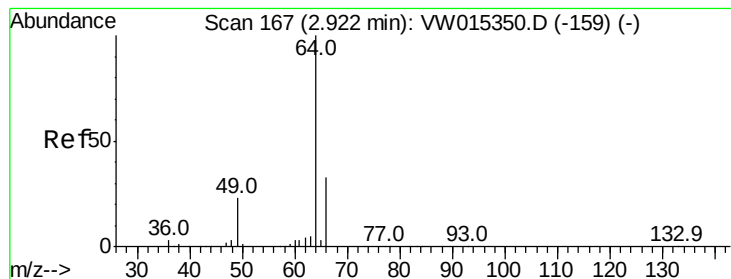
Tgt Ion: 94 Resp: 78798

Ion Ratio Lower Upper

94 100

96 94.8 9.5 180.5





#8

Chloroethane

Concen: 18.566 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

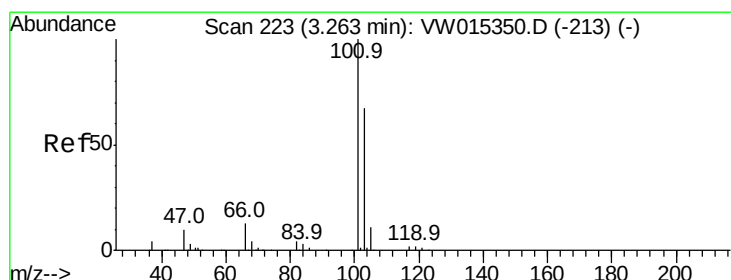
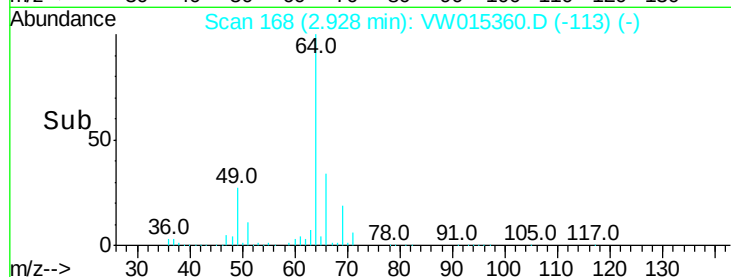
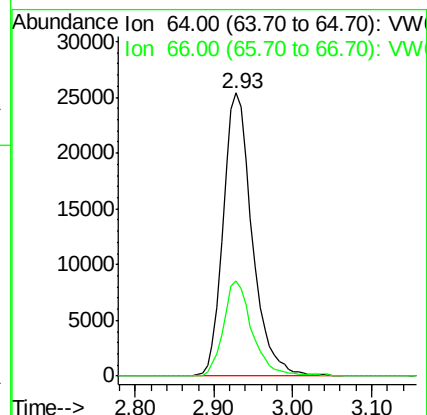
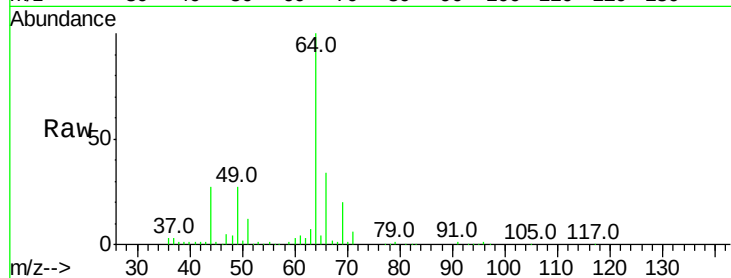
VSTD02503

Tgt Ion: 64 Resp: 65153

Ion Ratio Lower Upper

64 100

66 33.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 12.420 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015360.D

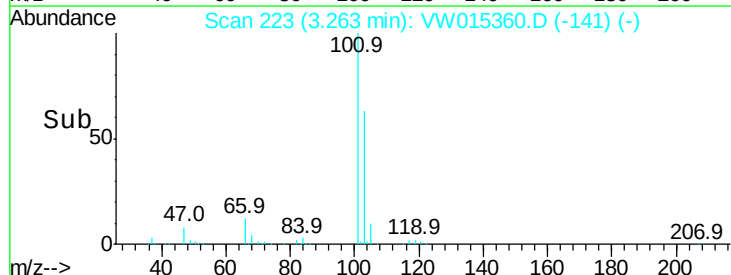
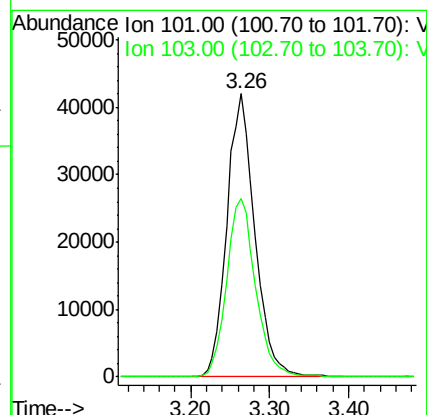
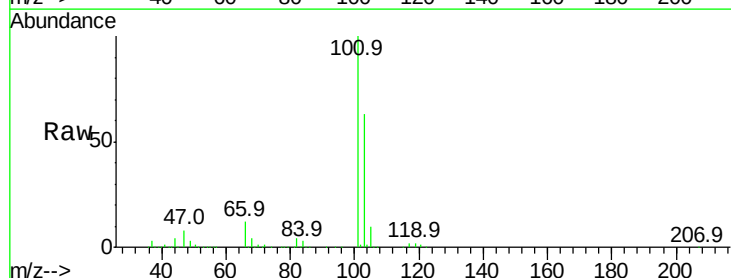
Acq: 28 Apr 2020 13:59

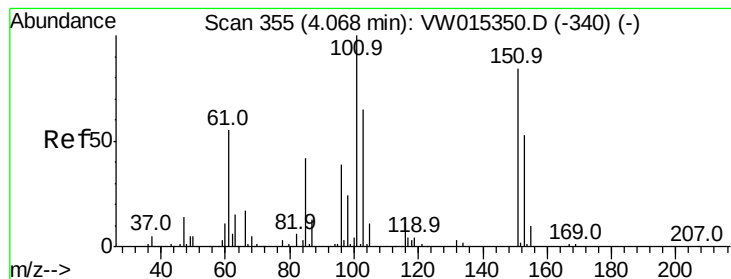
Tgt Ion: 101 Resp: 103852

Ion Ratio Lower Upper

101 100

103 64.9 45.8 85.2





#11

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

Concen: 20.880 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

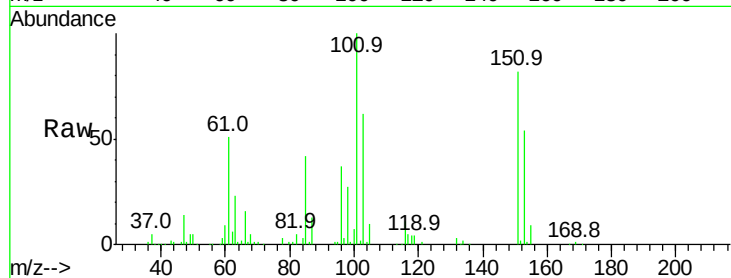
Tgt Ion:101 Resp: 107678

Ion Ratio Lower Upper

101 100

85 40.6 34.0 51.0

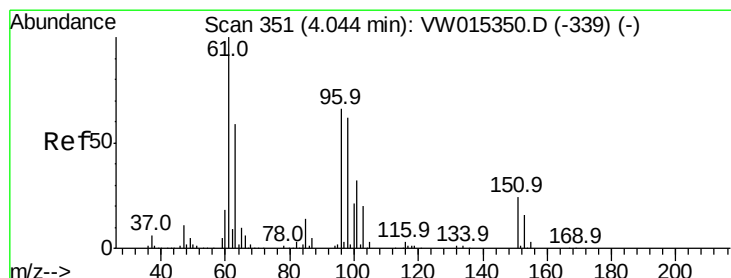
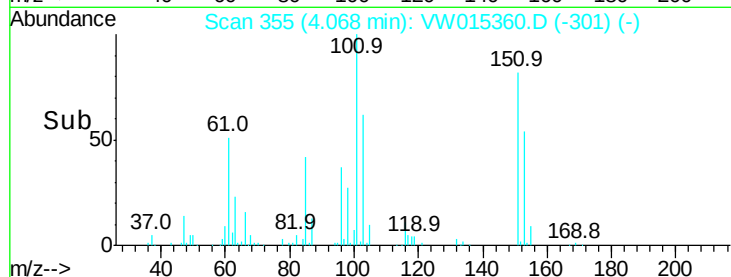
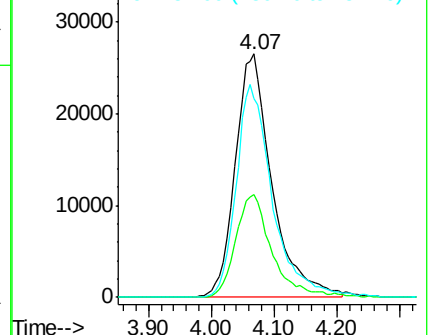
151 85.2 67.0 100.4



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: 21.878 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

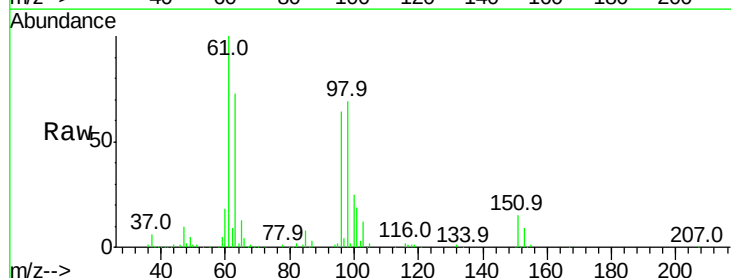
Tgt Ion: 96 Resp: 101536

Ion Ratio Lower Upper

96 100

61 155.9 106.2 197.2

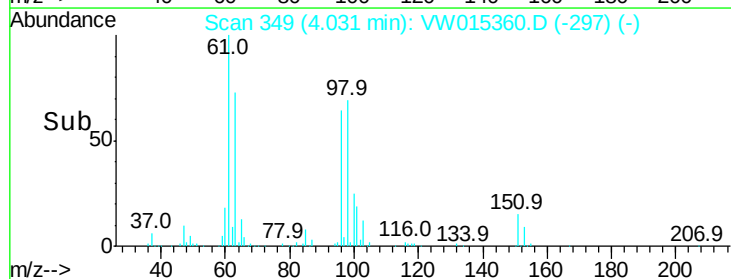
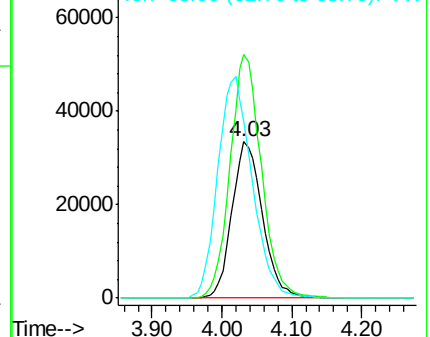
63 113.2 63.7 118.3

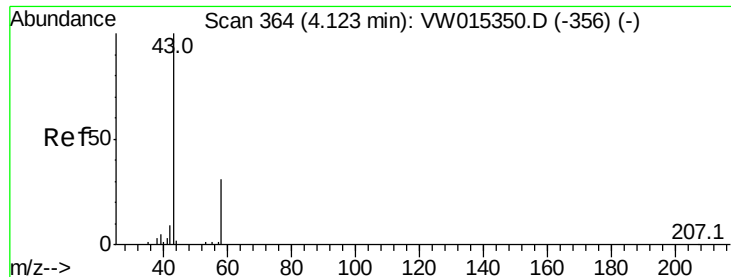


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.431 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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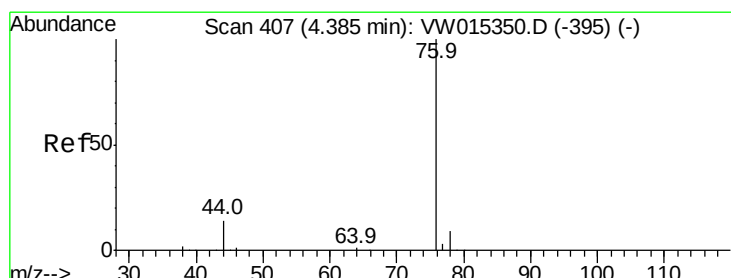
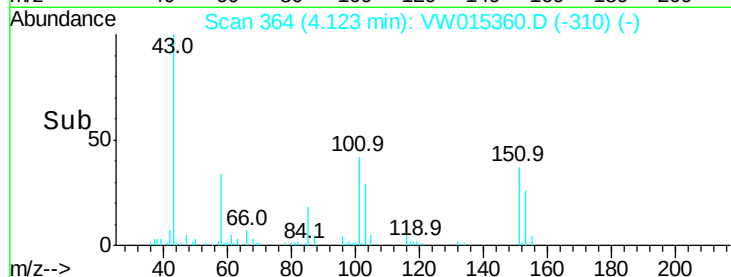
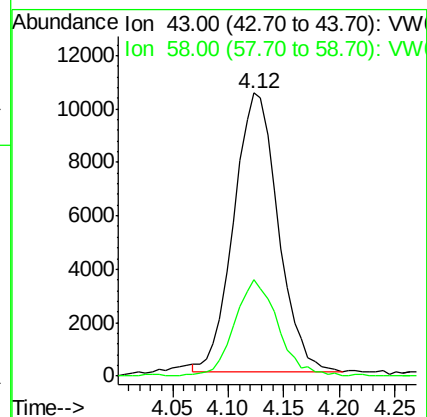
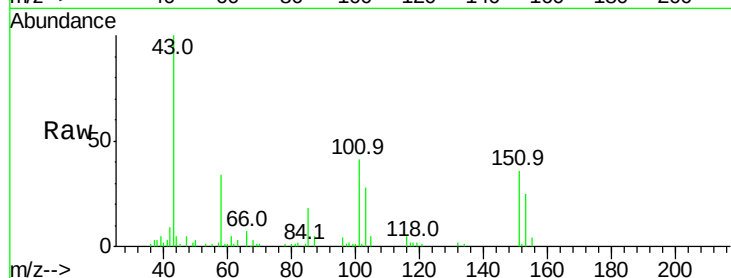
VSTD02503

Tgt Ion: 43 Resp: 28827

Ion Ratio Lower Upper

43 100

58 34.0 0.0 65.8



#14

Carbon disulfide

Concen: 19.523 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015360.D

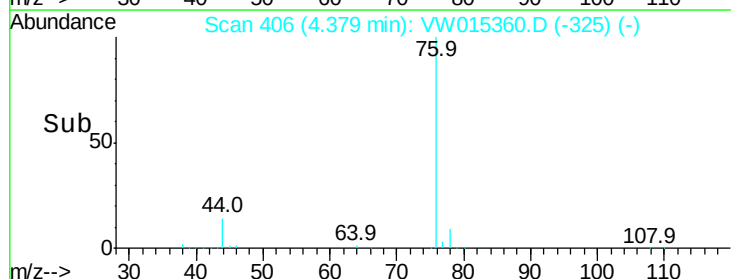
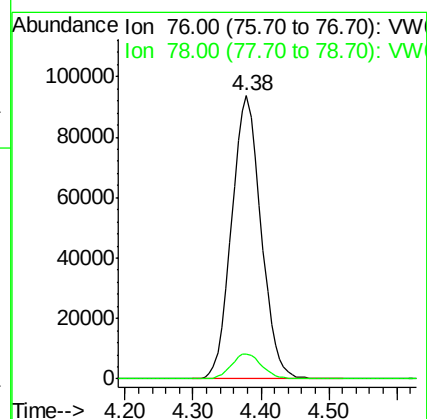
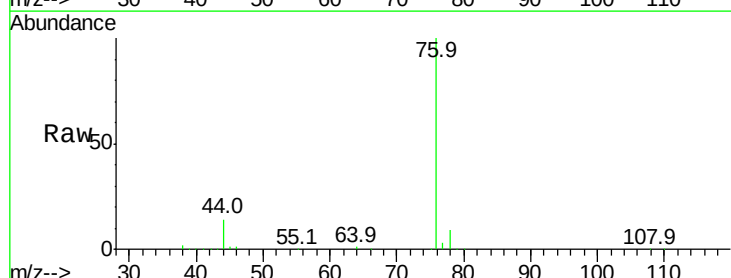
Acq: 28 Apr 2020 13:59

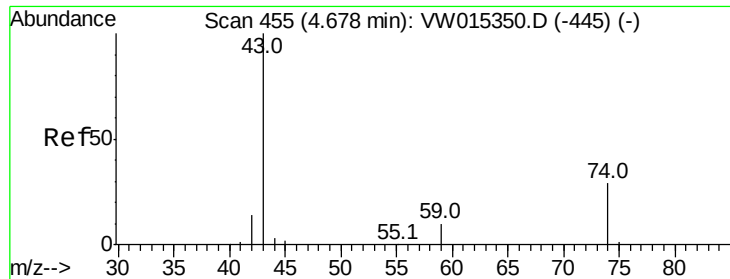
Tgt Ion: 76 Resp: 281210

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

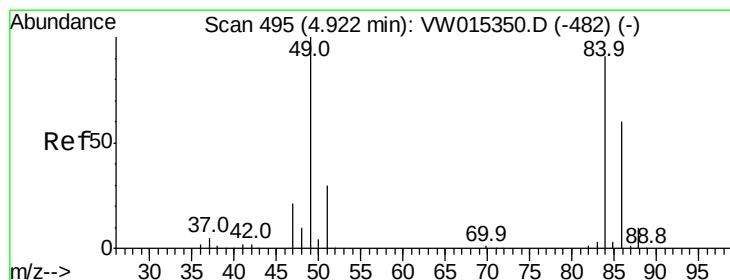
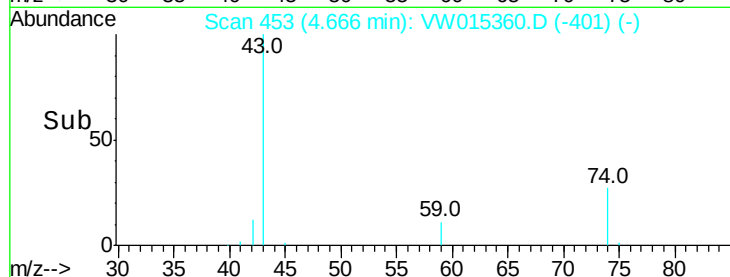
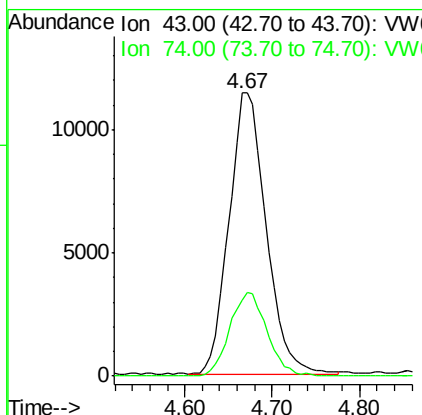
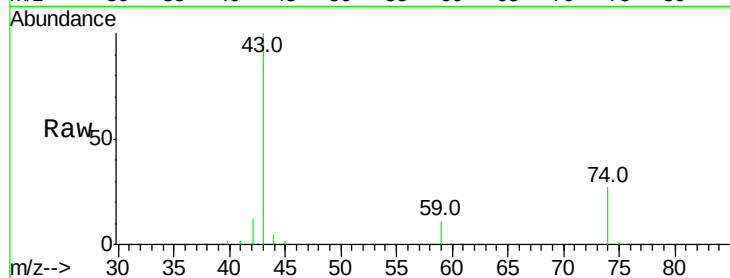




#15
Methyl Acetate
Concen: 21.007 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015360.D
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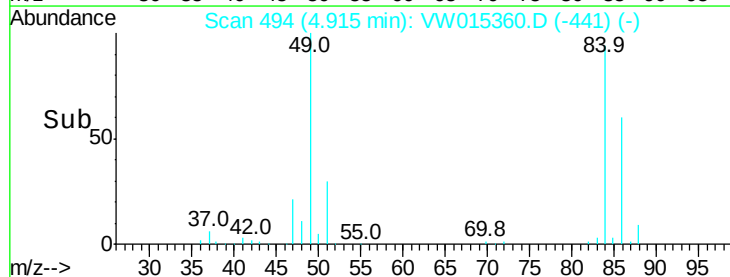
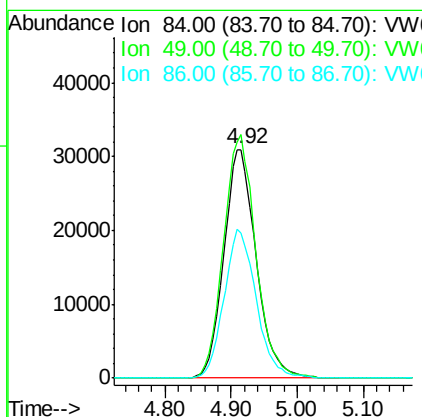
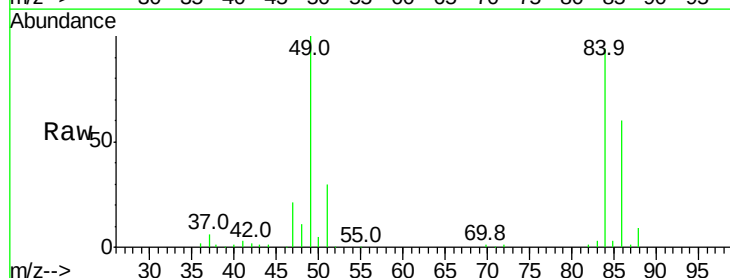
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

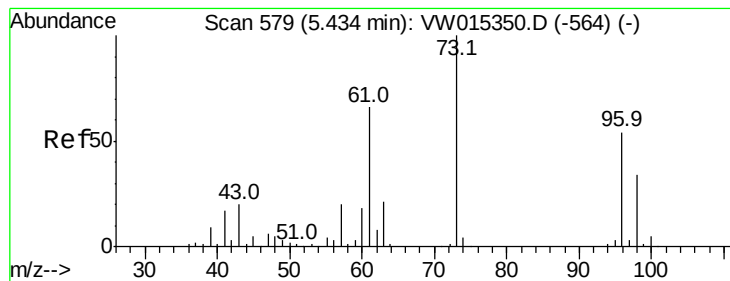
Tgt Ion: 43 Resp: 33841
Ion Ratio Lower Upper
43 100
74 29.4 22.9 34.3



#16
Methylene chloride
Concen: 20.449 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

Tgt Ion: 84 Resp: 104461
Ion Ratio Lower Upper
84 100
49 106.6 76.7 142.5
86 63.7 45.9 85.3





#17

Methyl tert-butyl Ether

Concen: 13.767 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

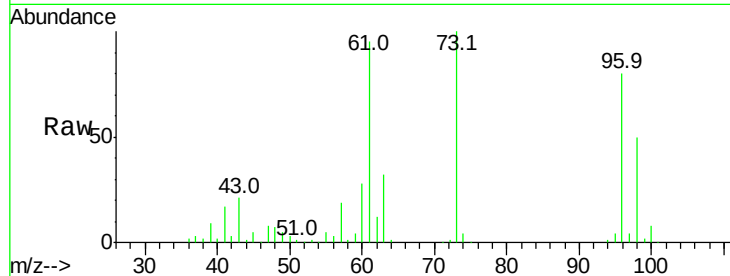
Tgt Ion: 73 Resp: 152890

Ion Ratio Lower Upper

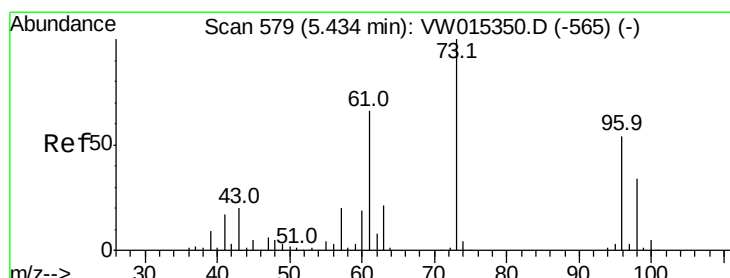
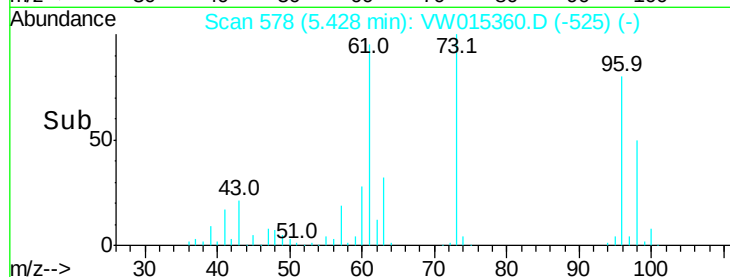
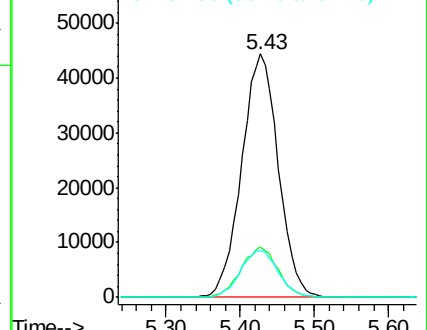
73 100

43 20.9 16.6 24.8

57 19.9 16.1 24.1



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: 21.622 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

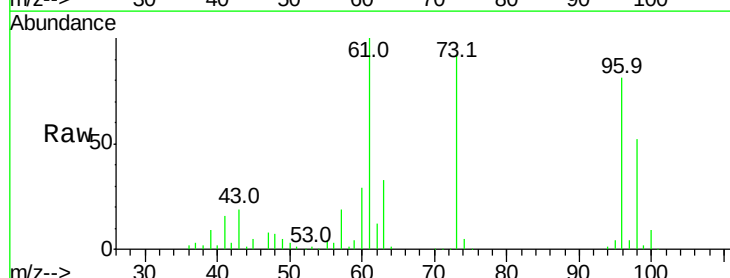
Tgt Ion: 96 Resp: 112180

Ion Ratio Lower Upper

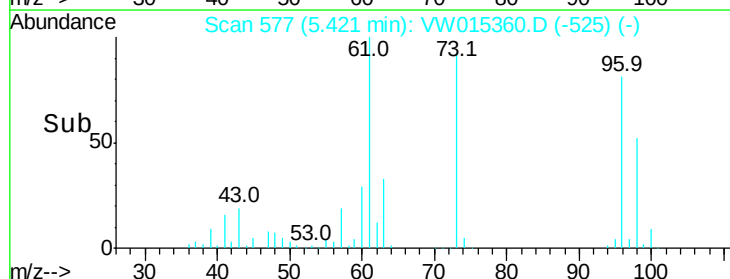
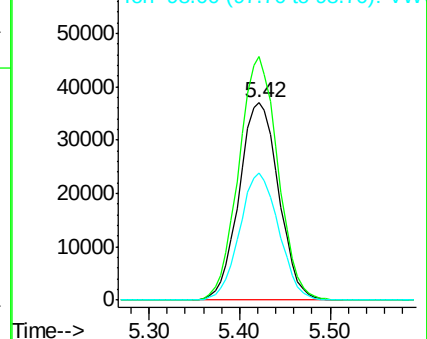
96 100

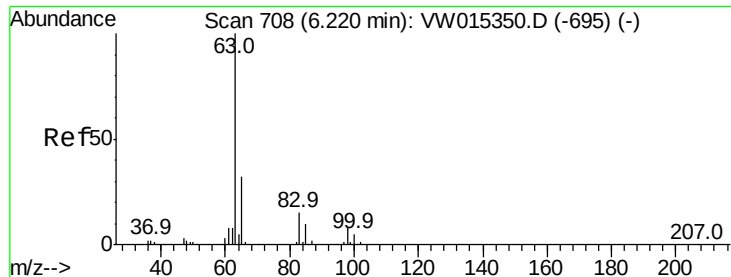
61 123.4 84.9 157.7

98 64.7 44.4 82.4



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

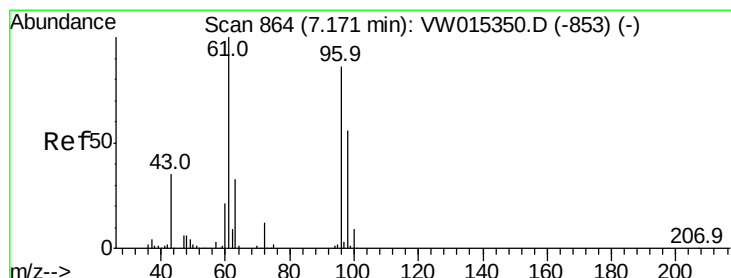
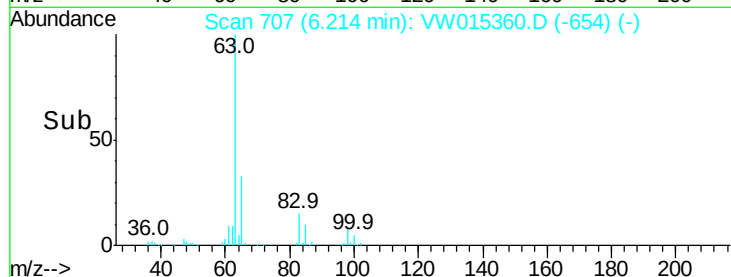
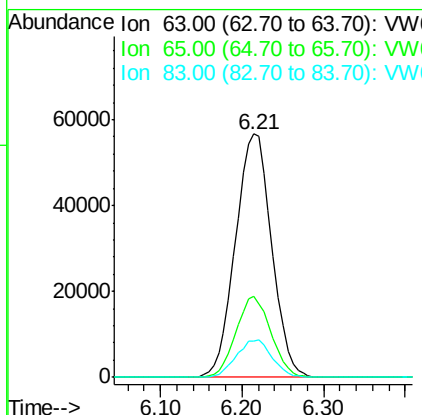
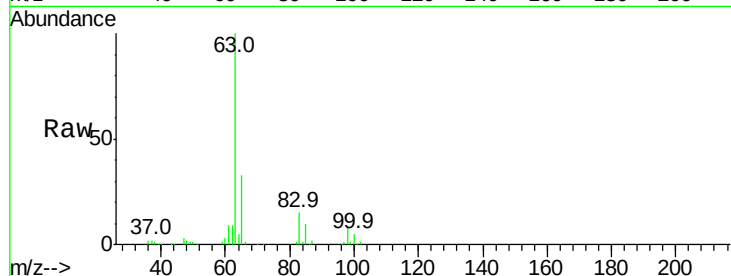




#19
 1,1-Dichloroethane
 Concen: 21.924 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

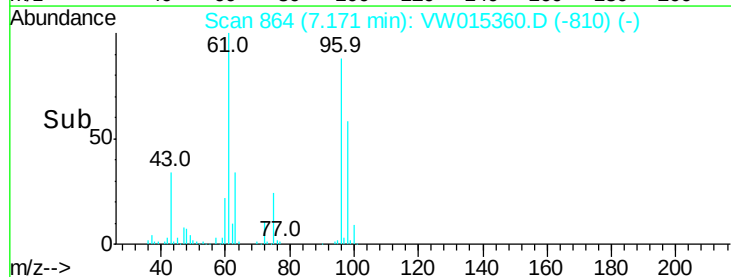
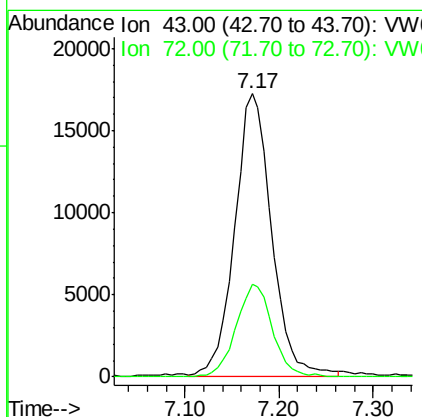
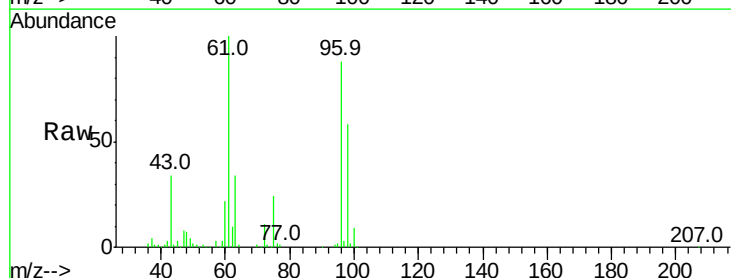
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

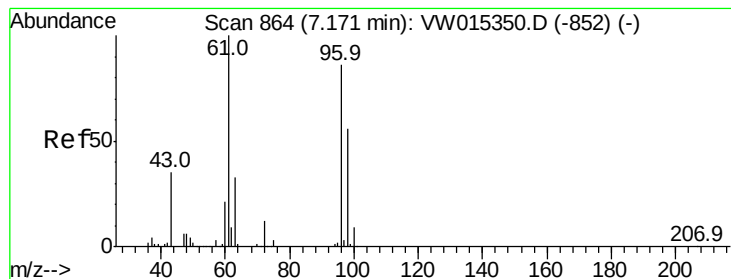
Tgt Ion: 63 Resp: 174339
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.3 41.3
 83 14.9 10.6 19.6



#21
 2-Butanone
 Concen: 40.663 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Tgt Ion: 43 Resp: 47229
 Ion Ratio Lower Upper
 43 100
 72 31.9 16.6 49.7



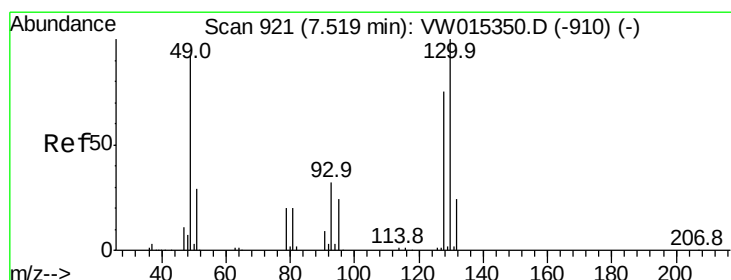
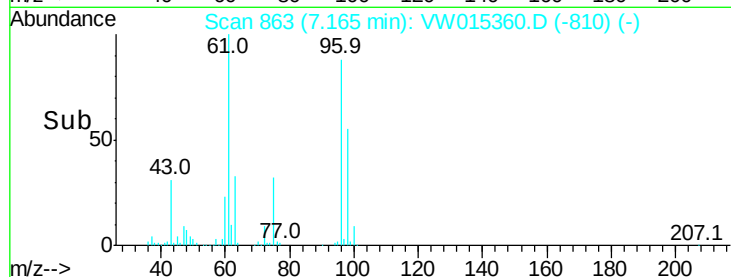
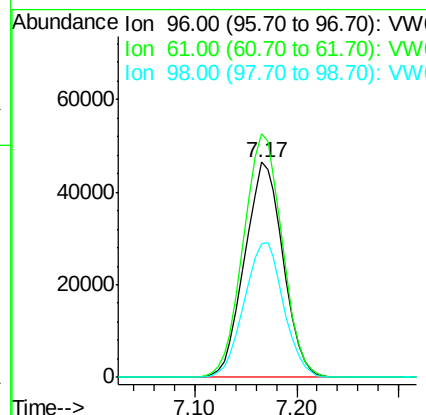
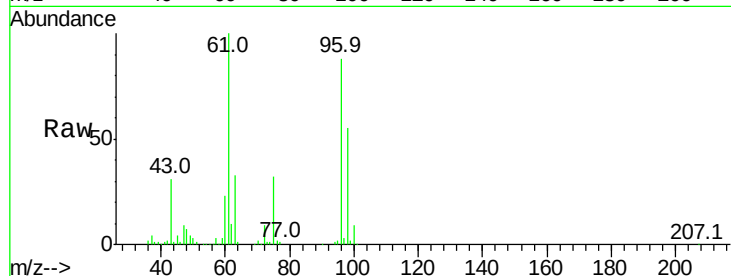


#22

cis-1,2-Dichloroethene
 Concen: 22.348 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

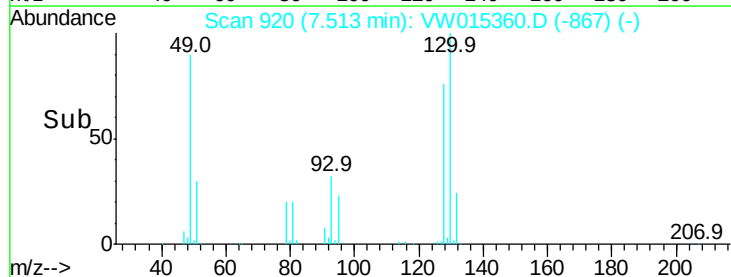
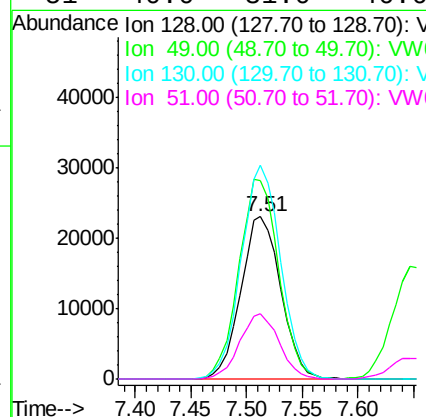
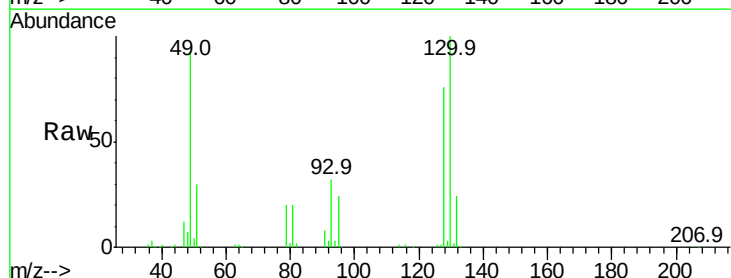
Tgt Ion: 96 Resp: 121521
 Ion Ratio Lower Upper
 96 100
 61 113.3 81.2 150.8
 98 62.3 45.4 84.2

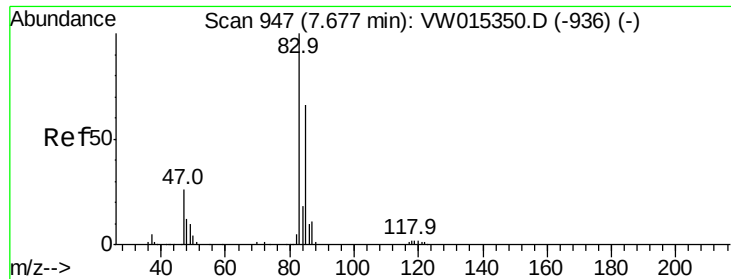


#23

Bromochloromethane
 Concen: 22.749 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Tgt Ion: 128 Resp: 57378
 Ion Ratio Lower Upper
 128 100
 49 122.6 85.1 158.1
 130 131.7 92.9 172.5
 51 40.0 31.0 46.6





#25

Chloroform

Concen: 19.010 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

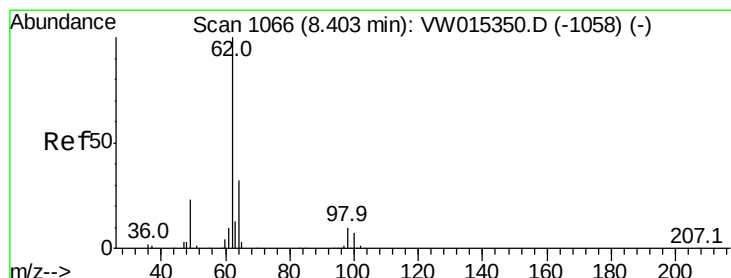
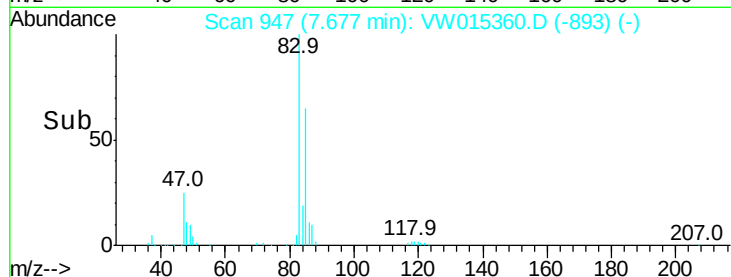
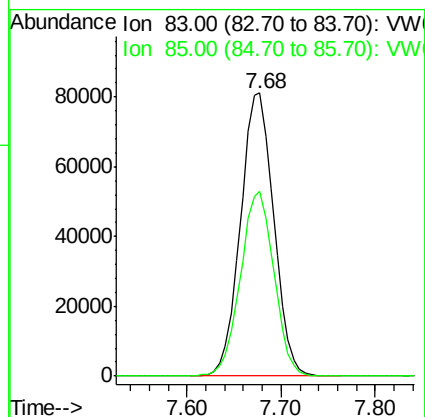
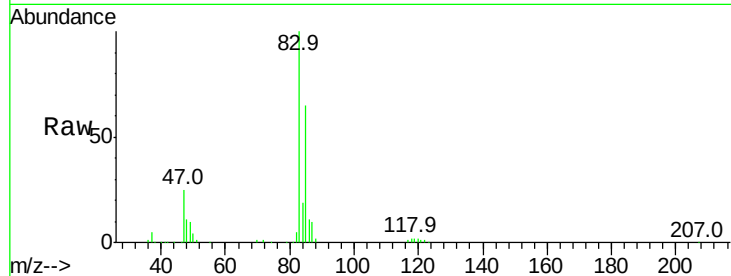
VSTD02503

Tgt Ion: 83 Resp: 199169

Ion Ratio Lower Upper

83 100

85 65.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 22.395 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW015360.D

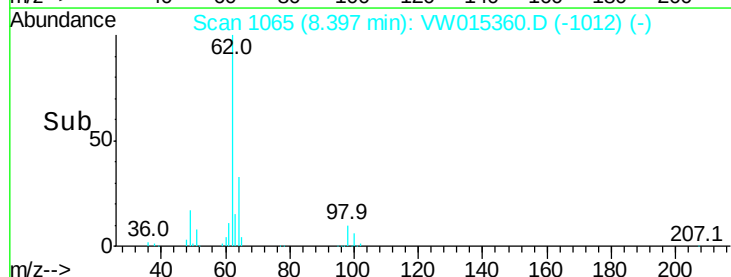
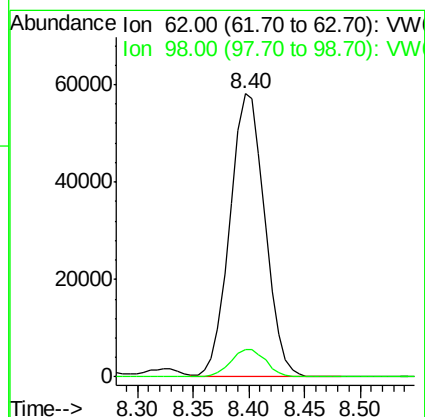
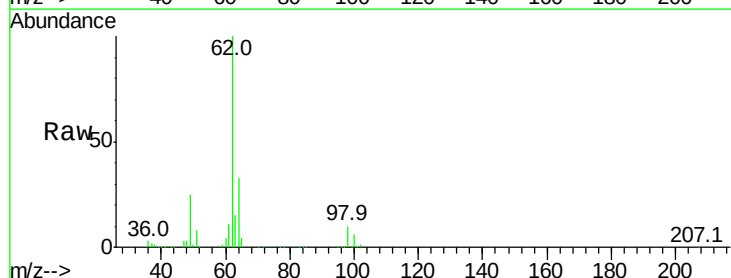
Acq: 28 Apr 2020 13:59

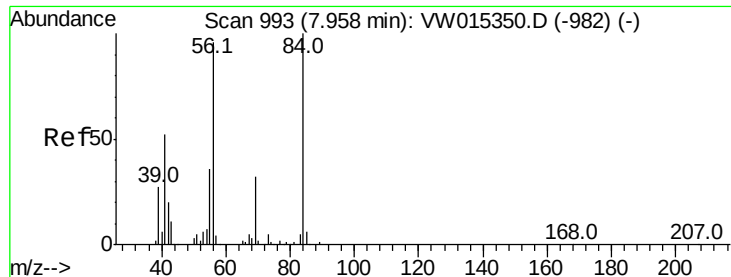
Tgt Ion: 62 Resp: 126825

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6

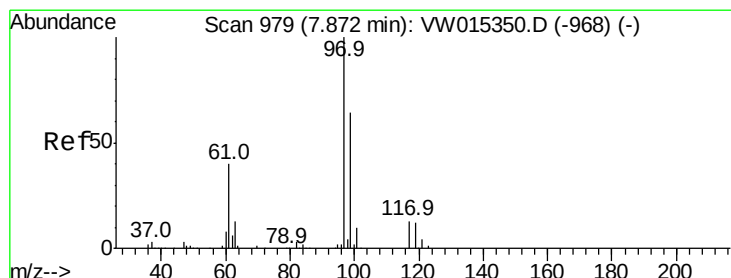
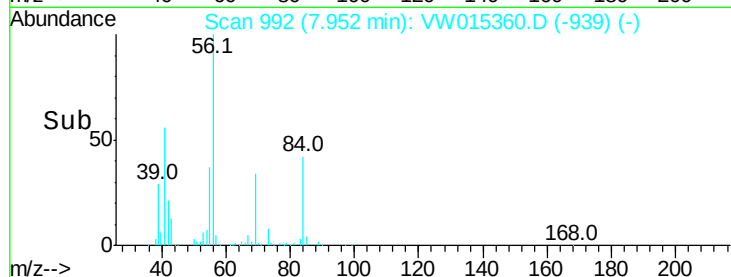
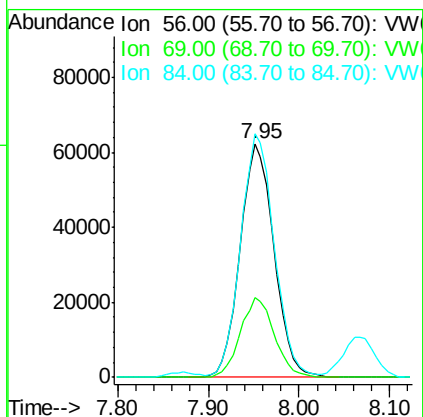
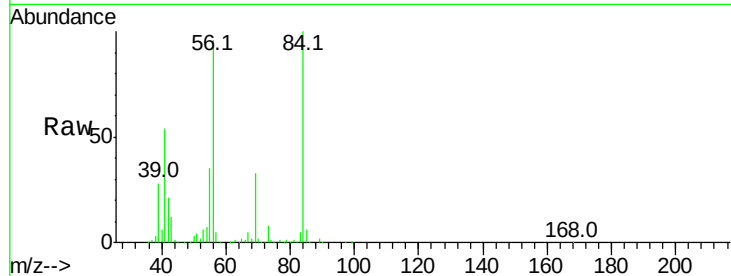




#30
Cyclohexane
Concen: 22.230 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

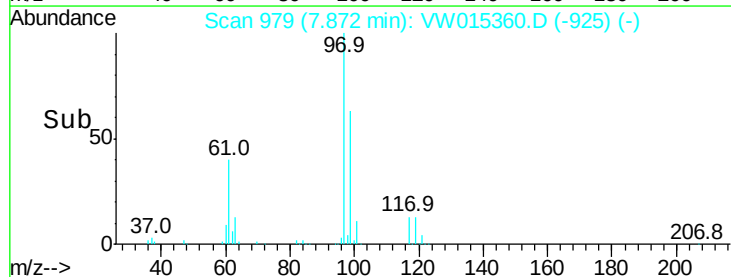
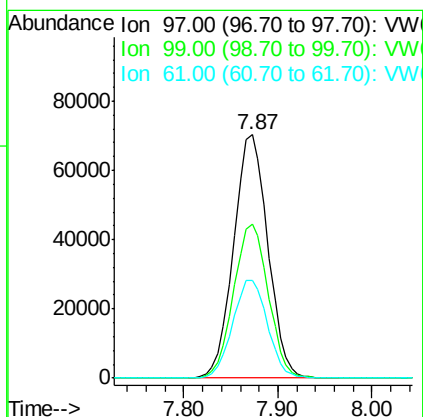
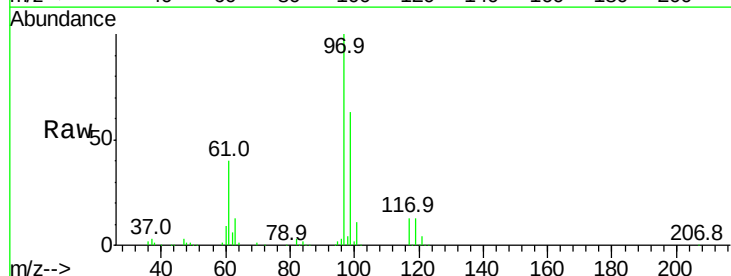
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

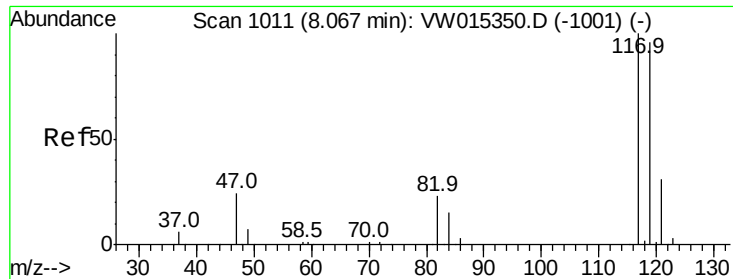
Tgt Ion: 56 Resp: 161228
Ion Ratio Lower Upper
56 100
69 34.3 27.4 41.2
84 104.0 81.8 122.6



#31
1,1,1-Trichloroethane
Concen: 20.946 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

Tgt Ion: 97 Resp: 177634
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 41.0 32.8 49.2





#32

Carbon tetrachloride

Concen: 22.827 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

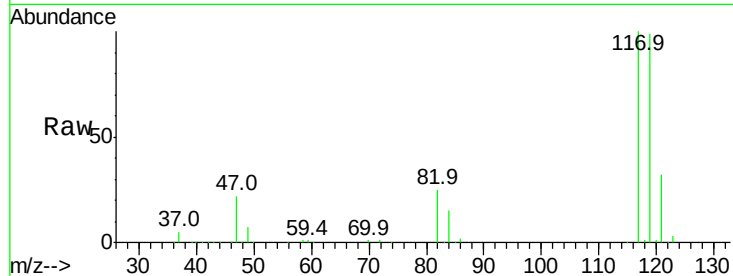
VSTD02503

Tgt Ion:117 Resp: 172933

Ion Ratio Lower Upper

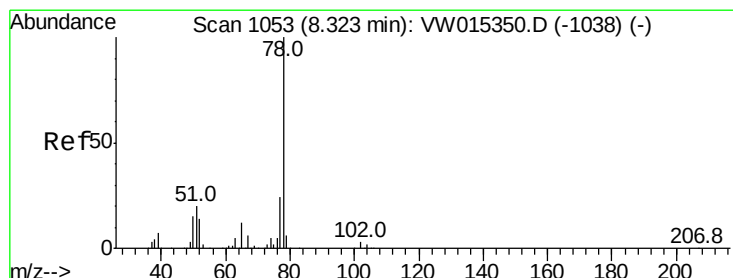
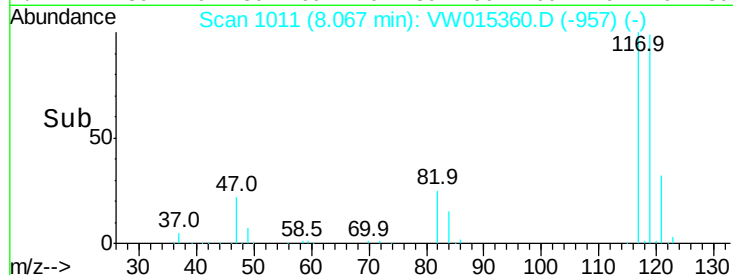
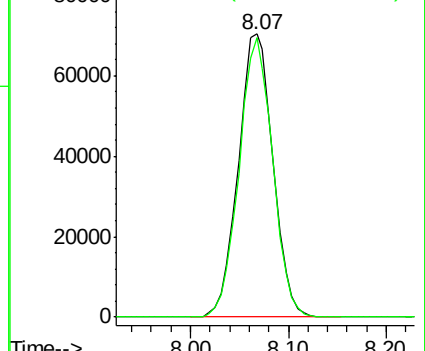
117 100

119 95.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.399 ug/L

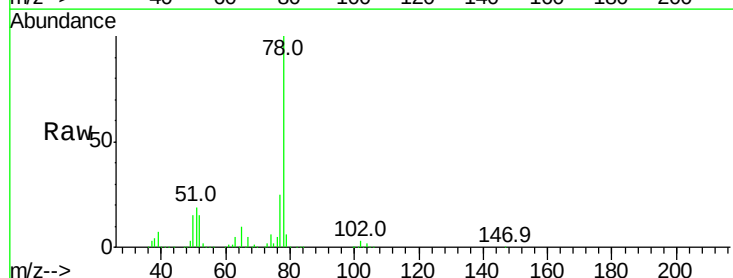
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

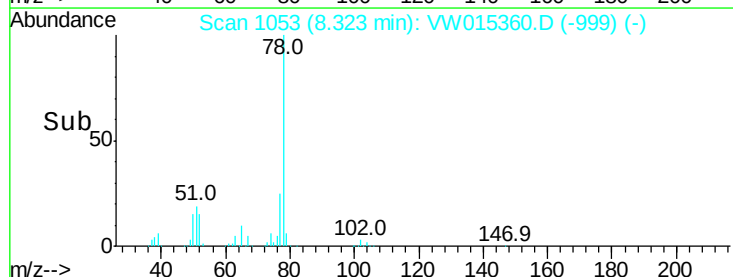
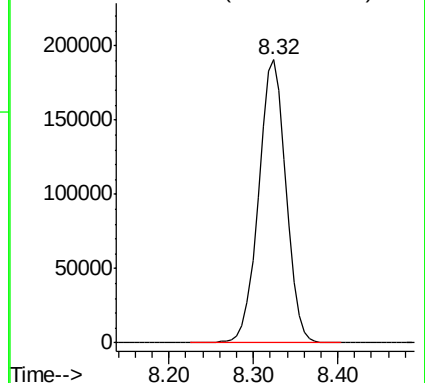
Lab File: VW015360.D

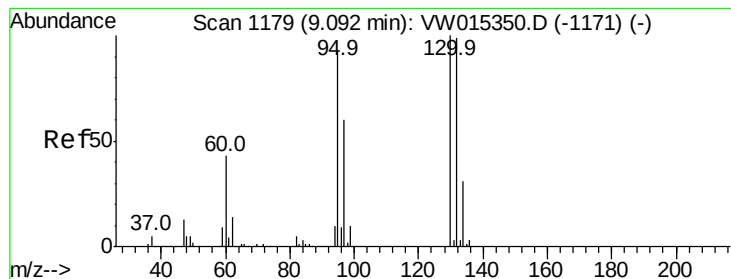
Acq: 28 Apr 2020 13:59

Tgt Ion: 78 Resp: 426431



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.292 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 95 Resp: 123158

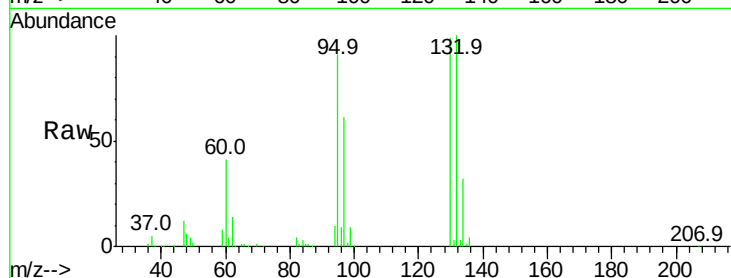
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 107.4 74.5 138.5

130 109.6 76.7 142.5

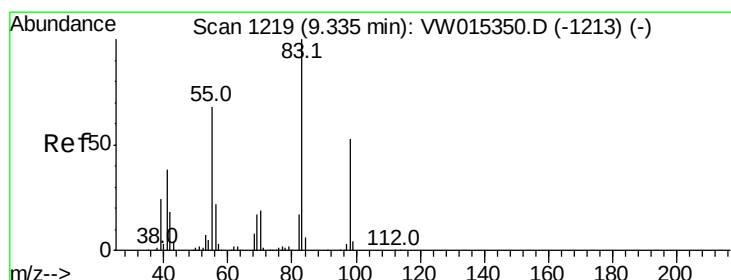
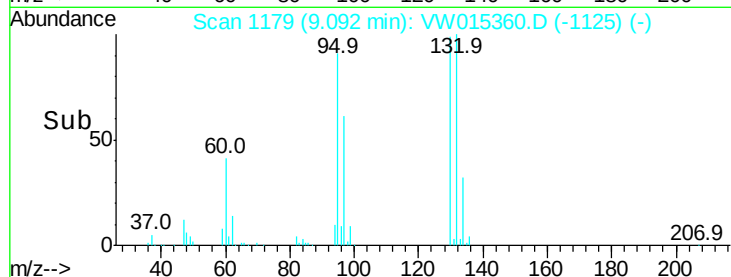
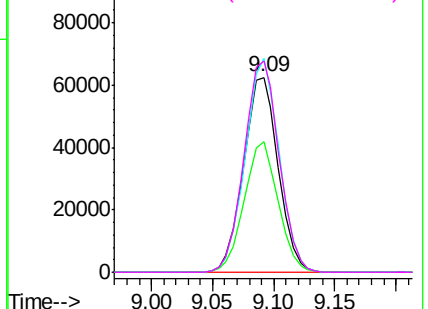


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.218 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

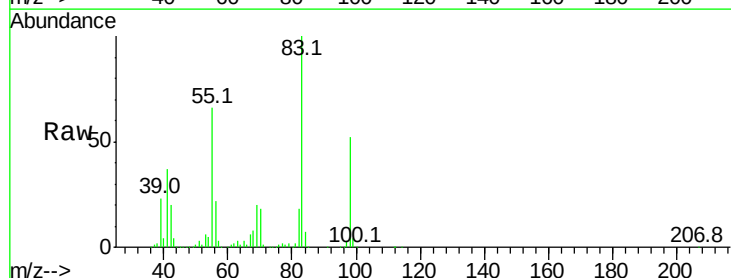
Tgt Ion: 83 Resp: 208265

Ion Ratio Lower Upper

83 100

55 67.1 53.8 80.8

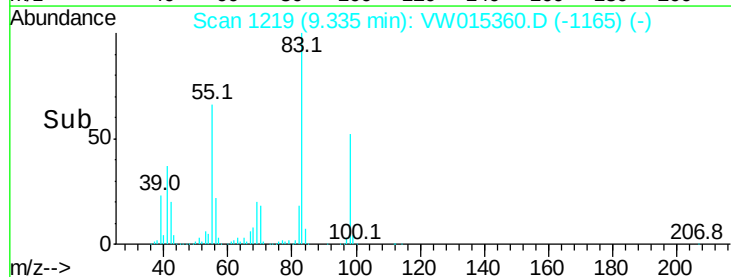
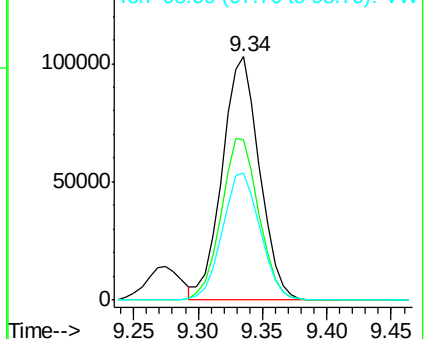
98 52.9 41.0 61.4

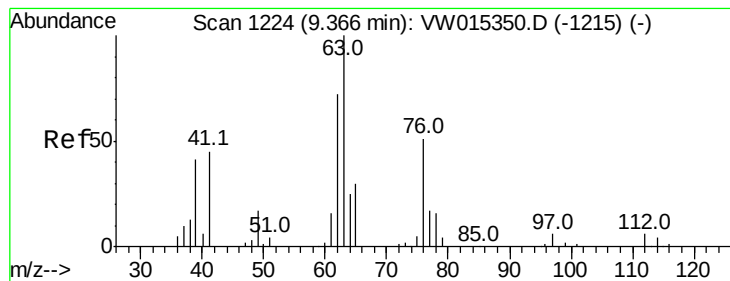


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.420 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

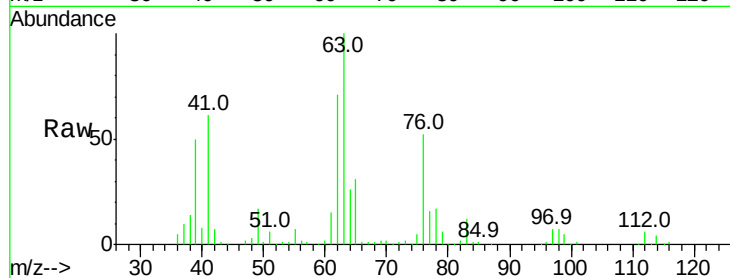
VSTD02503

Tgt Ion: 63 Resp: 97106

Ion Ratio Lower Upper

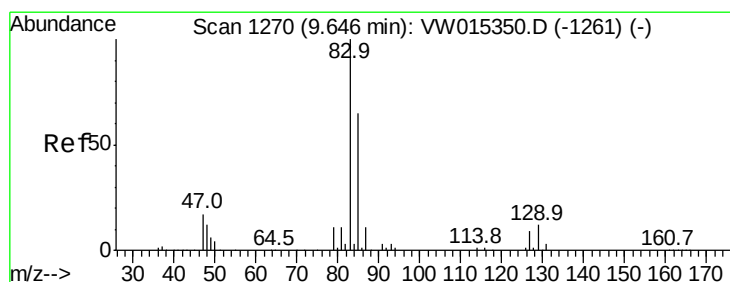
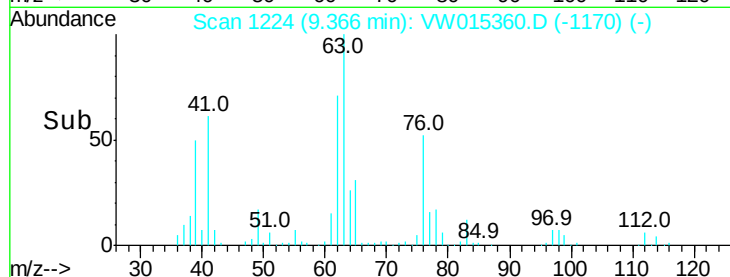
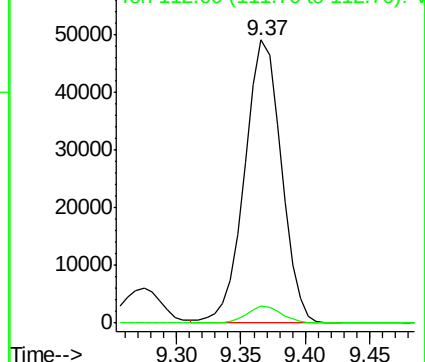
63 100

112 5.7 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: 23.207 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

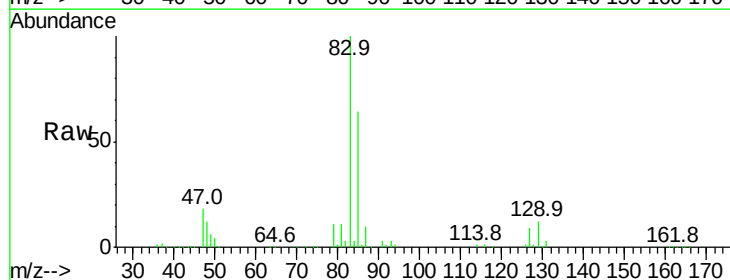
Tgt Ion: 83 Resp: 149081

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2

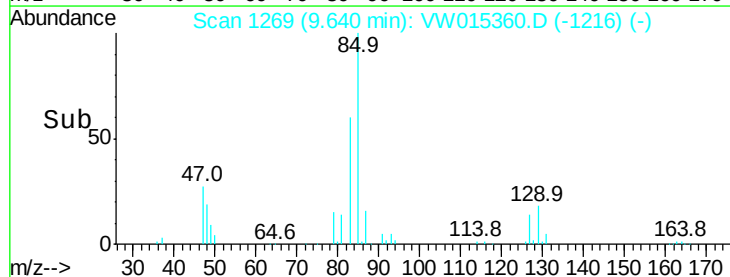
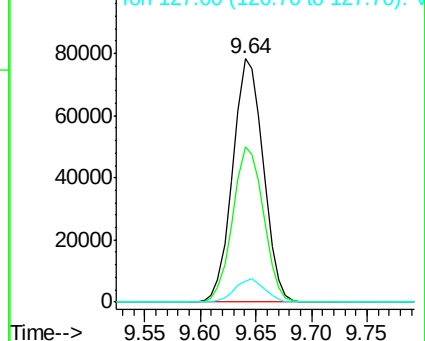
127 8.8 7.5 11.3

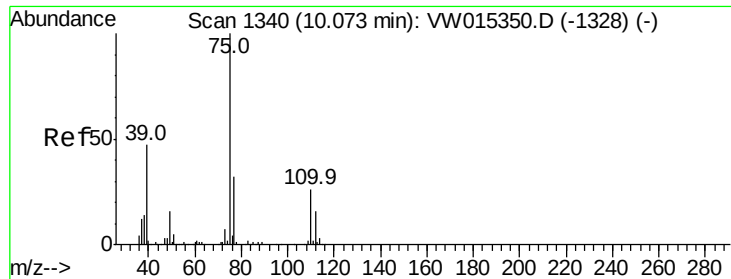


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.294 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampled :

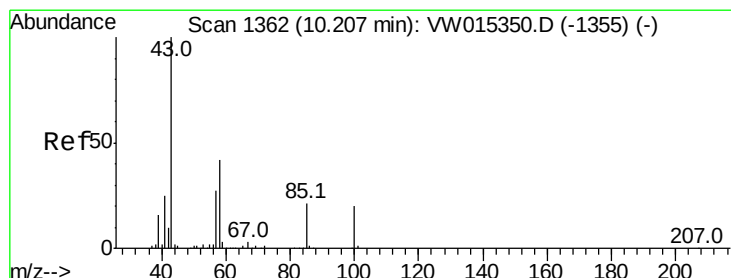
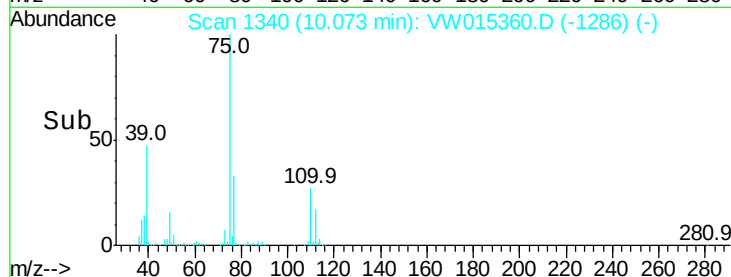
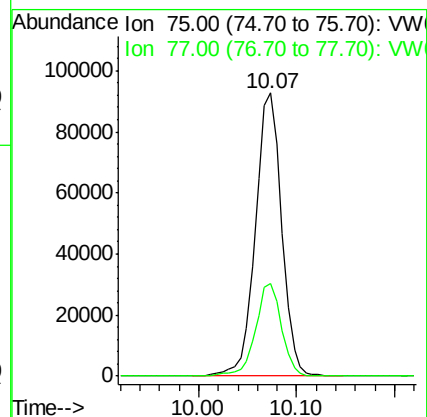
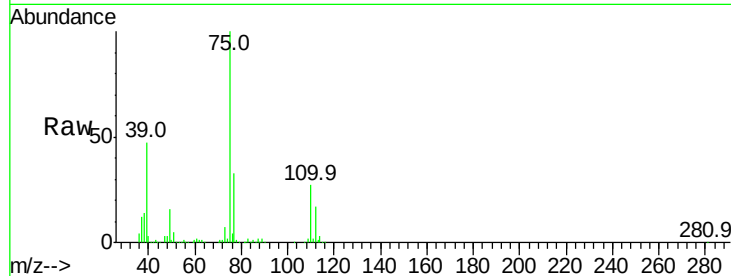
VSTD02503

Tgt Ion: 75 Resp: 172748

Ion Ratio Lower Upper

75 100

77 32.5 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 49.938 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

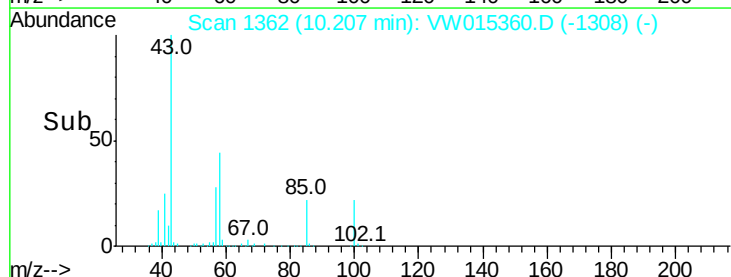
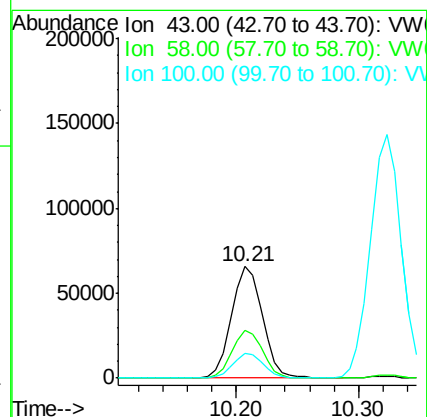
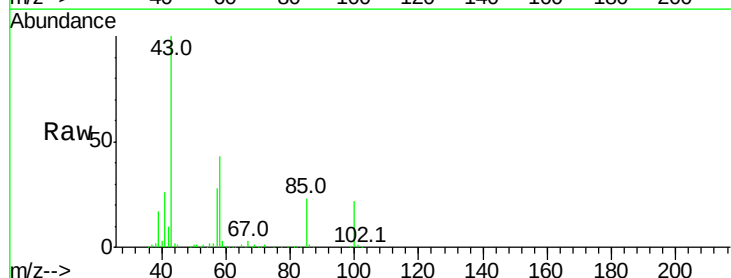
Tgt Ion: 43 Resp: 114062

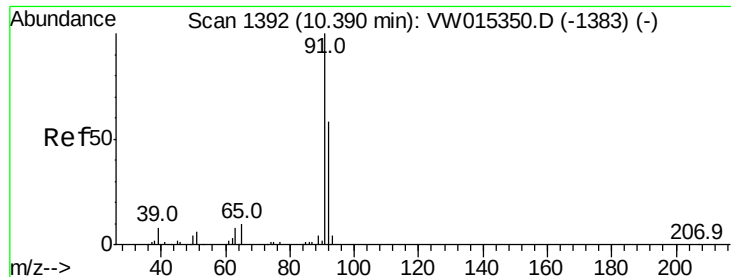
Ion Ratio Lower Upper

43 100

58 42.8 34.2 51.4

100 21.5 17.0 25.6





#44

Toluene

Concen: 23.130 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

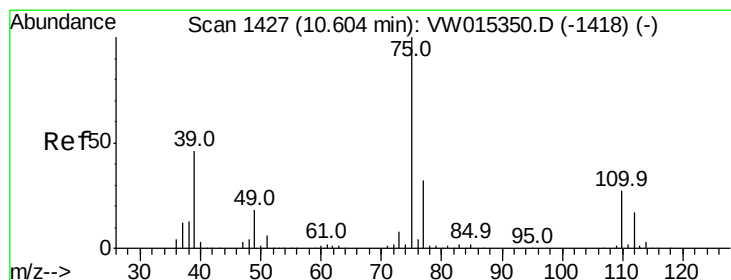
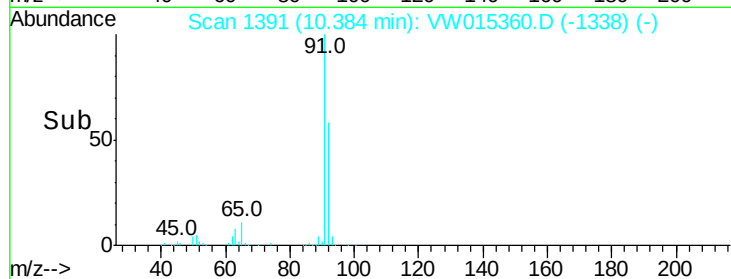
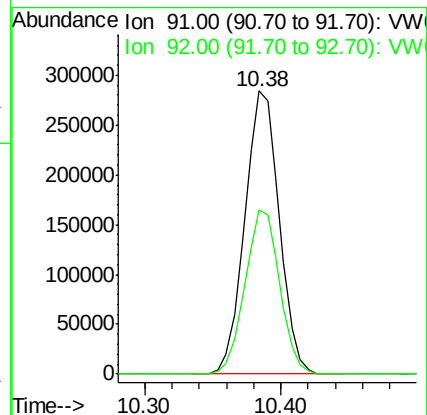
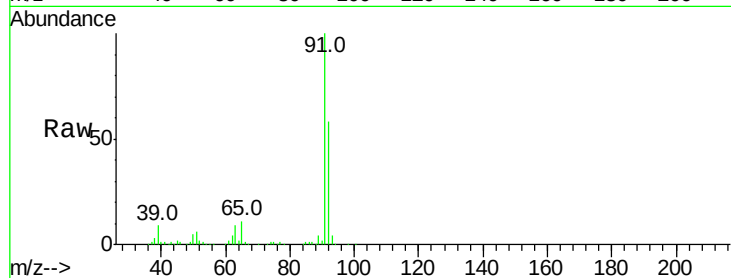
VSTD02503

Tgt Ion: 91 Resp: 503949

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 23.677 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015360.D

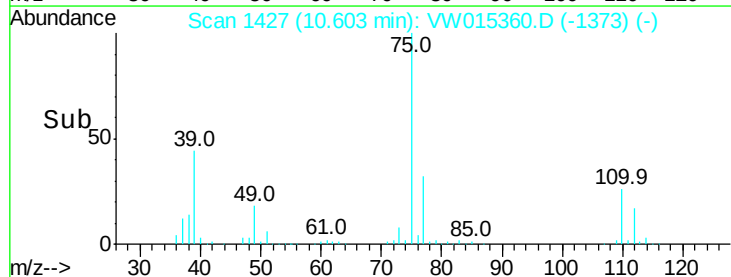
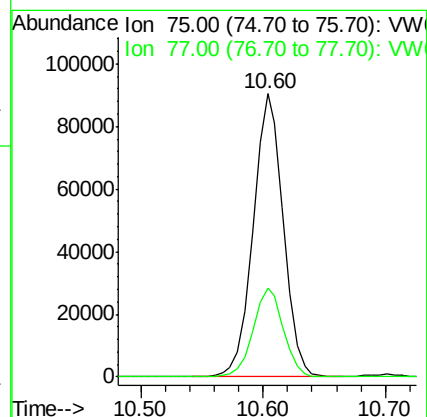
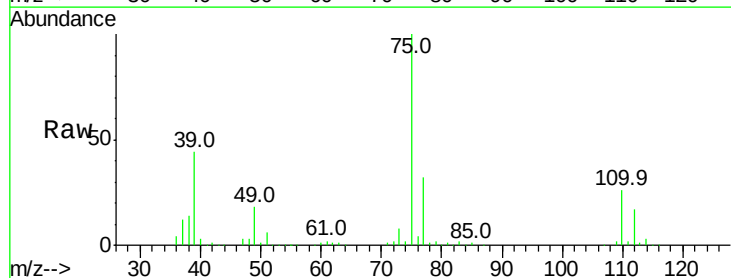
Acq: 28 Apr 2020 13:59

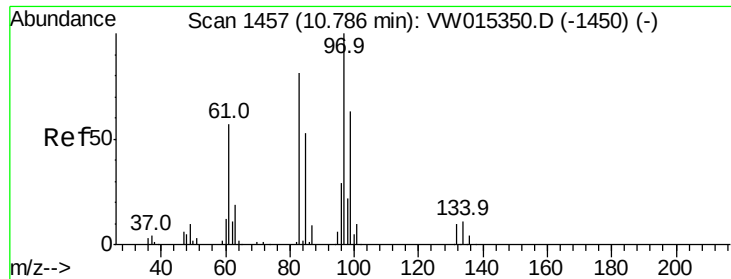
Tgt Ion: 75 Resp: 154876

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5

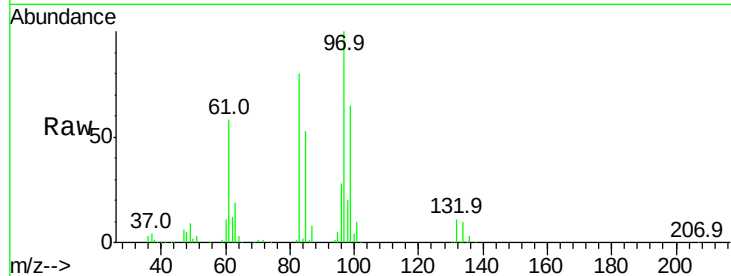




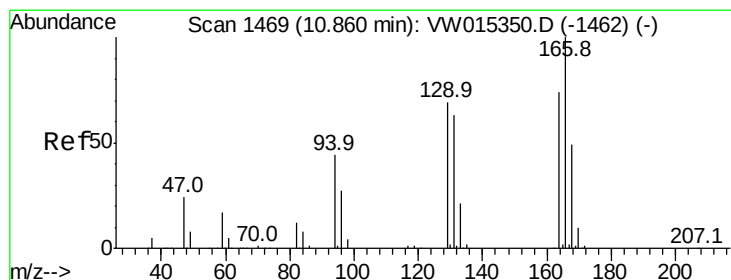
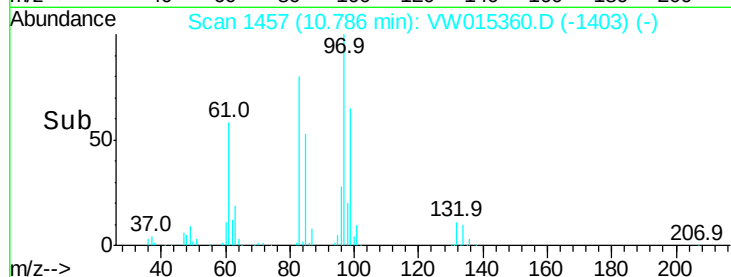
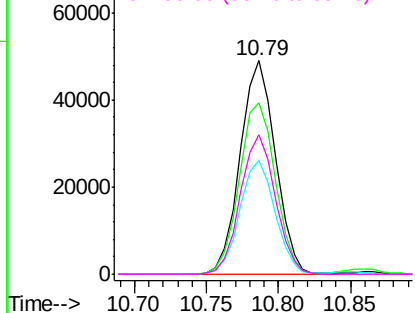
#46
 1,1,2-Trichloroethane
 Concen: 23.470 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion: 97 Resp: 83265
 Ion Ratio Lower Upper
 97 100
 83 80.1 56.8 105.6
 85 53.1 37.3 69.3
 99 65.1 44.2 82.2



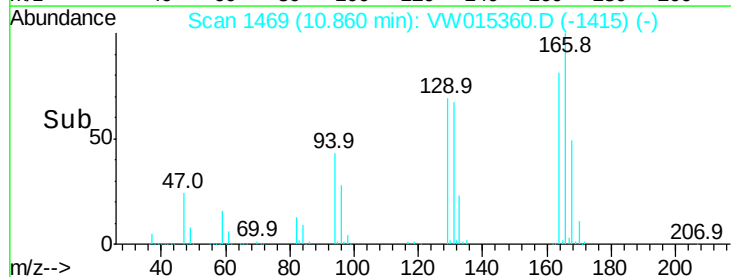
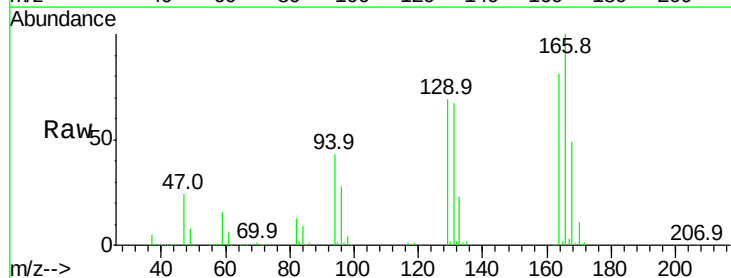
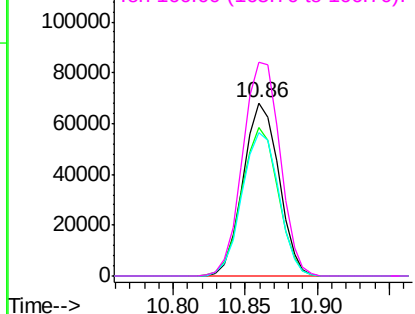
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

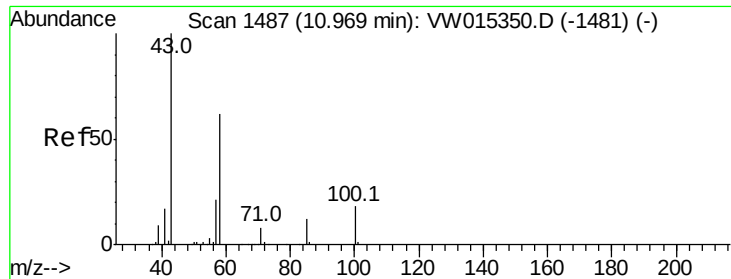


#47
 Tetrachloroethene
 Concen: 23.624 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Tgt Ion: 164 Resp: 117368
 Ion Ratio Lower Upper
 164 100
 129 85.7 65.3 121.3
 131 82.9 59.1 109.7
 166 123.5 94.2 175.0

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

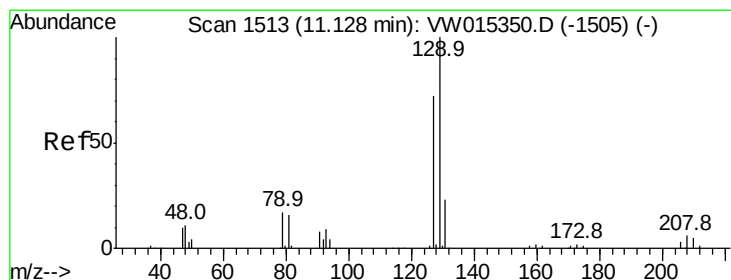
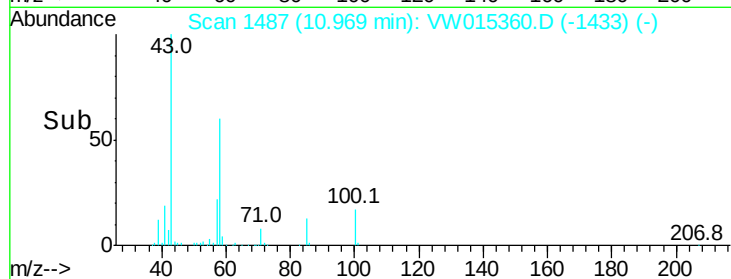
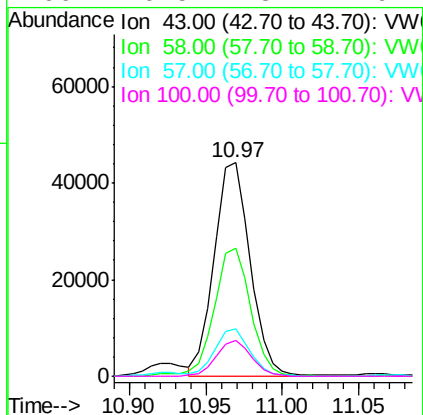
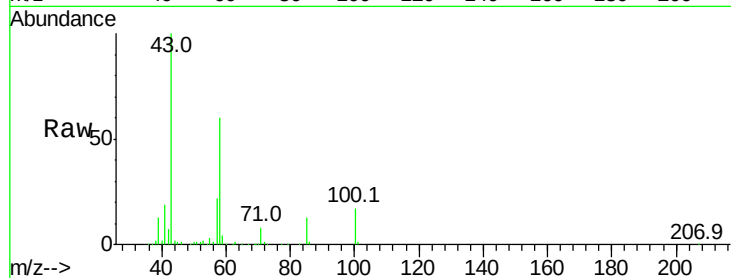




#49
2-Hexanone
Concen: 43.377 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

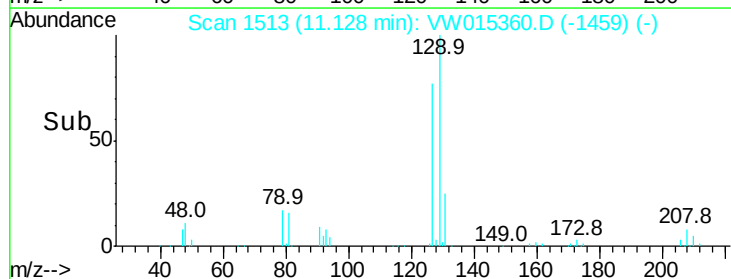
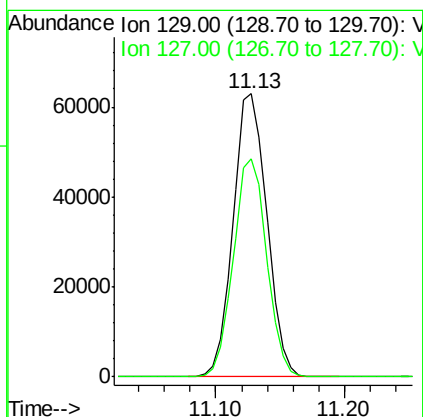
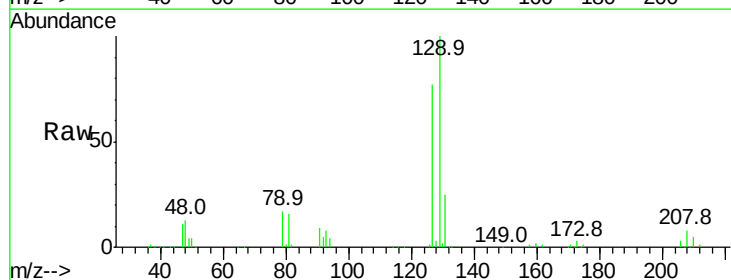
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

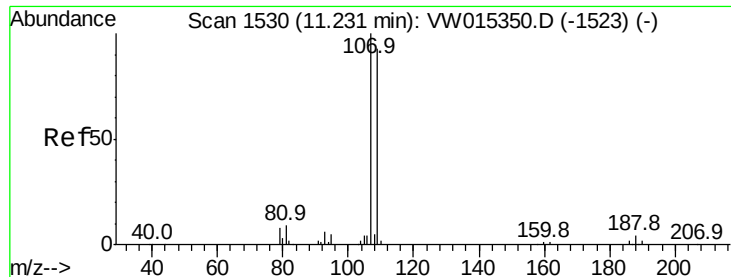
Tgt Ion: 43 Resp: 72729
Ion Ratio Lower Upper
43 100
58 58.9 47.4 71.2
57 21.1 16.7 25.1
100 16.5 13.4 20.2



#50
Dibromochloromethane
Concen: 24.213 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

Tgt Ion: 129 Resp: 114494
Ion Ratio Lower Upper
129 100
127 77.0 50.7 94.1

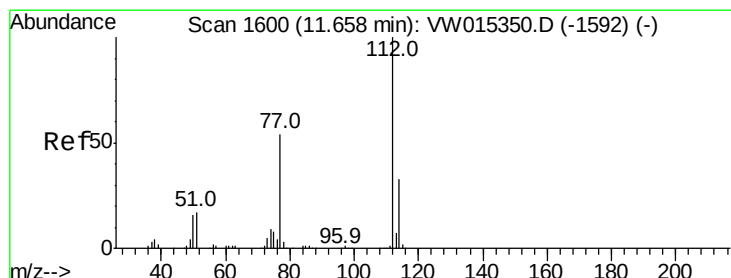
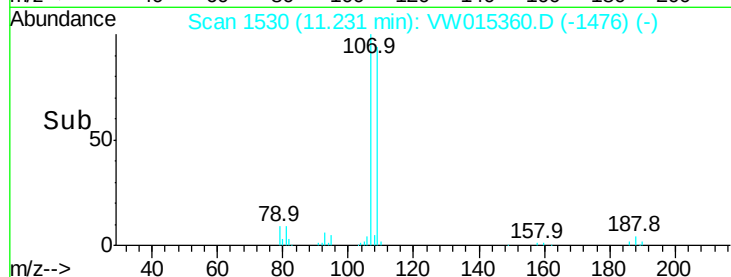
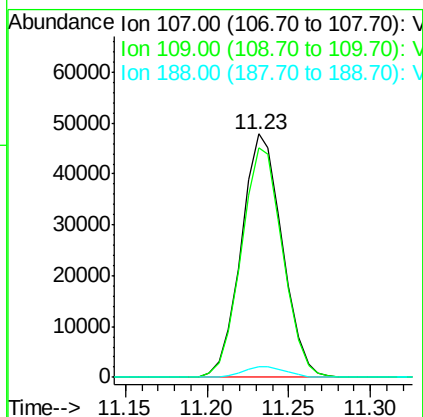
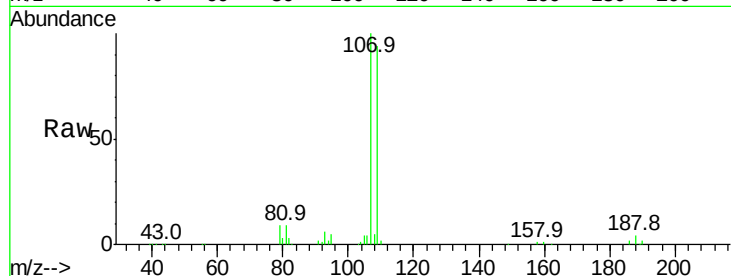




#51
1,2-Dibromoethane
Concen: 23.605 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

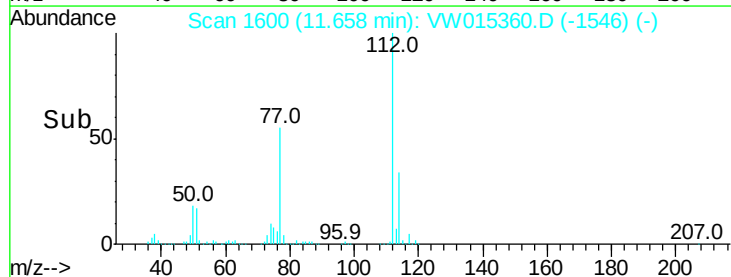
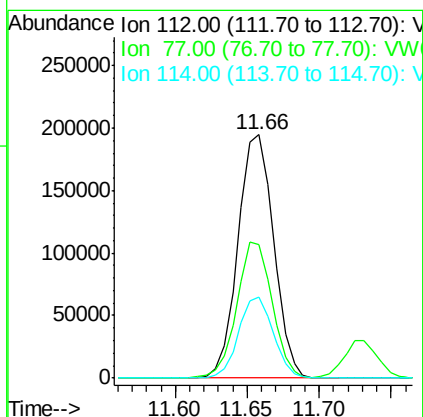
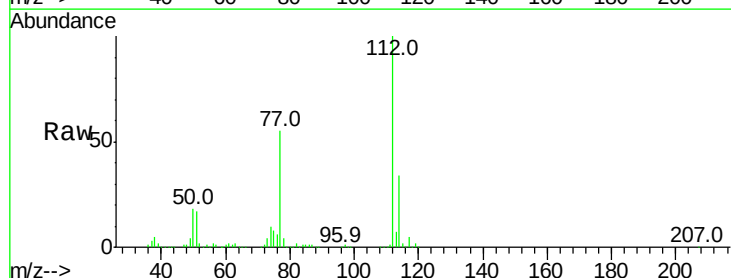
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

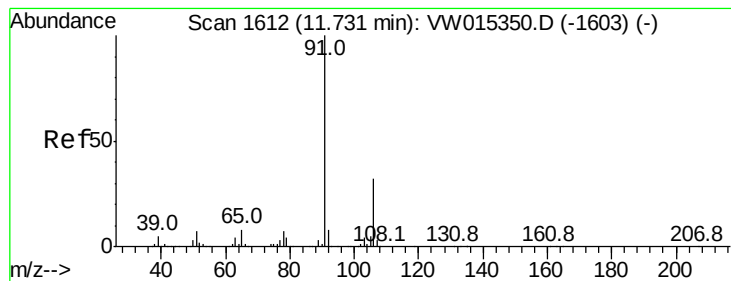
Tgt Ion:107 Resp: 83627
Ion Ratio Lower Upper
107 100
109 94.2 65.3 121.3
188 4.5 3.1 4.7



#52
Chlorobenzene
Concen: 22.912 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015360.D
Acq: 28 Apr 2020 13:59

Tgt Ion:112 Resp: 335825
Ion Ratio Lower Upper
112 100
77 54.7 43.0 64.6
114 33.6 23.3 43.3





#53

Ethylbenzene

Concen: 22.794 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

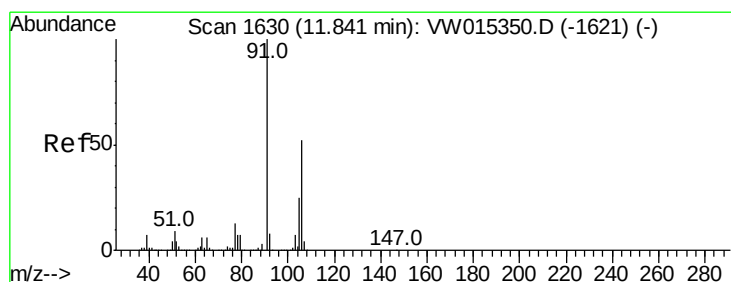
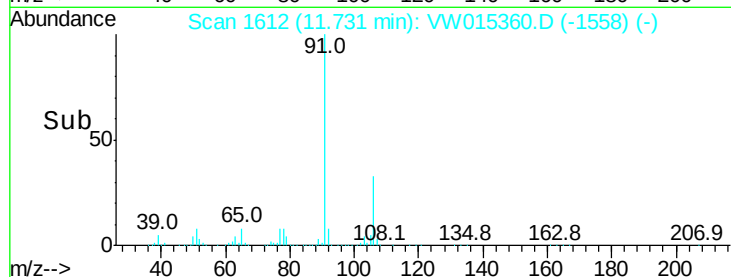
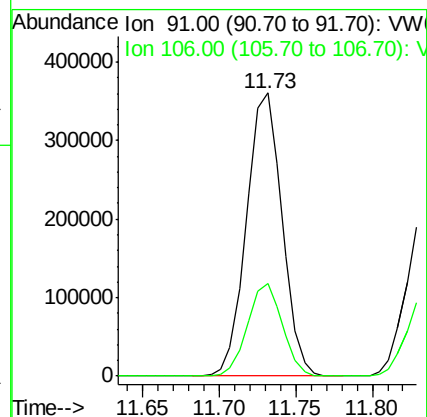
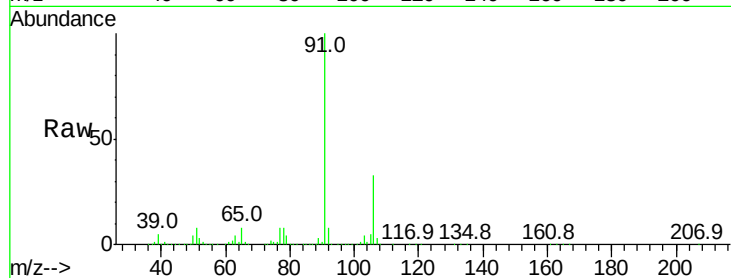
VSTD02503

Tgt Ion: 91 Resp: 583261

Ion Ratio Lower Upper

91 100

106 32.9 22.5 41.9



#54

m,p-Xylene

Concen: 22.084 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015360.D

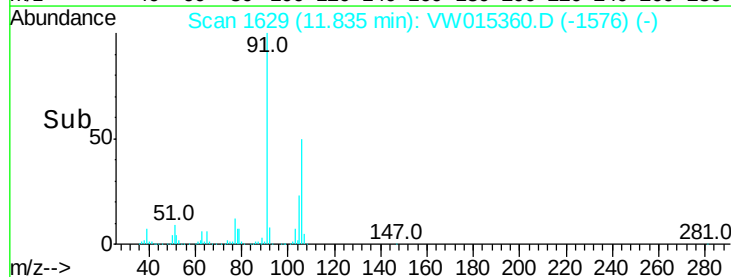
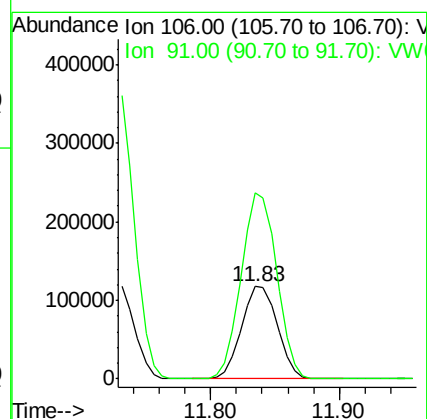
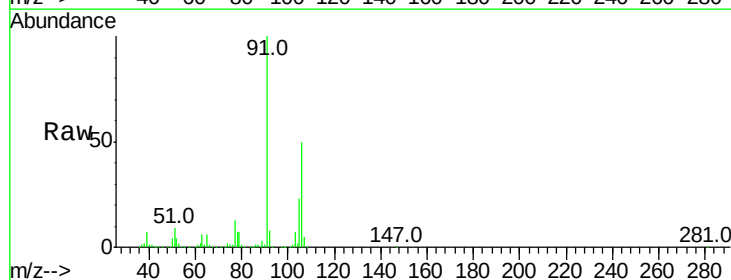
Acq: 28 Apr 2020 13:59

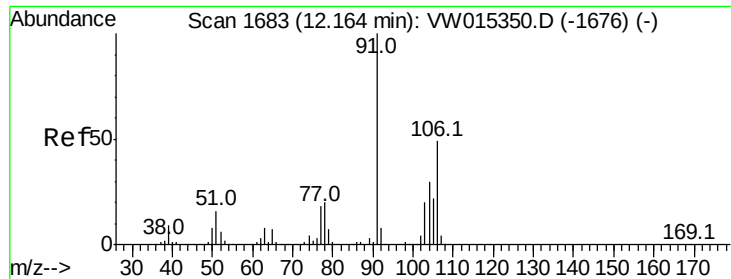
Tgt Ion: 106 Resp: 226570

Ion Ratio Lower Upper

106 100

91 201.1 134.3 249.5





#55

o-xylene

Concen: 22.423 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

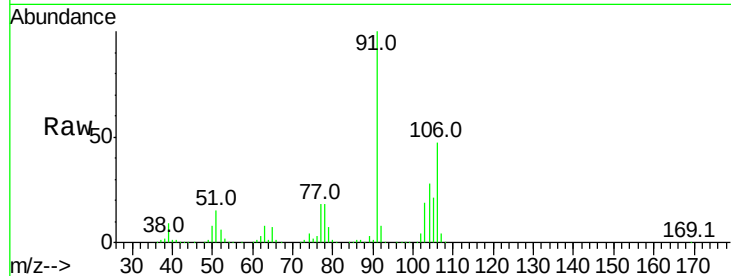
VSTD02503

Tgt Ion:106 Resp: 218009

Ion Ratio Lower Upper

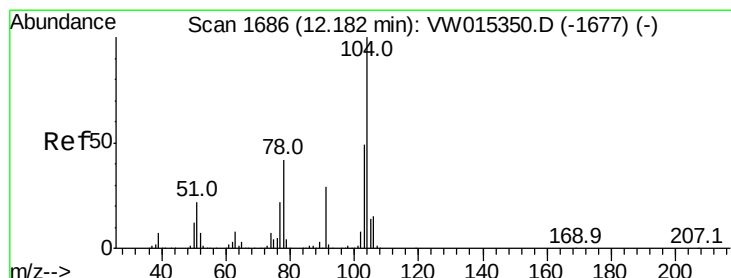
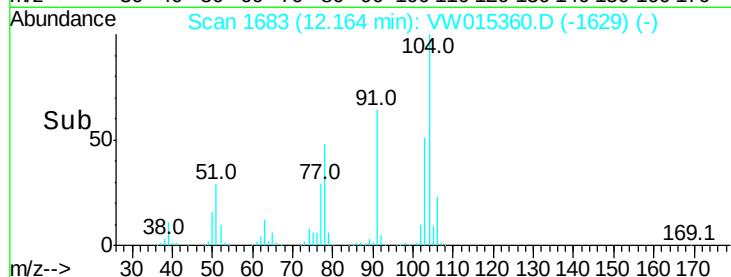
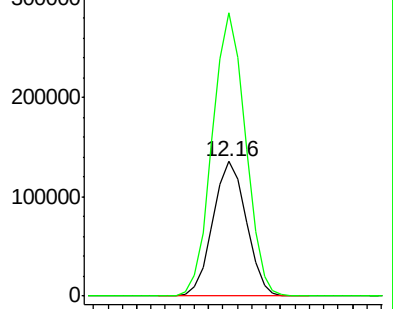
106 100

91 210.7 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 22.475 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015360.D

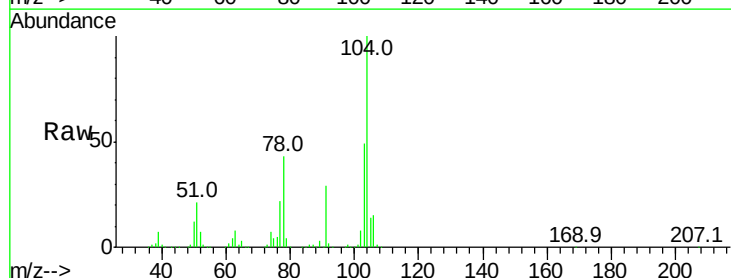
Acq: 28 Apr 2020 13:59

Tgt Ion:104 Resp: 371777

Ion Ratio Lower Upper

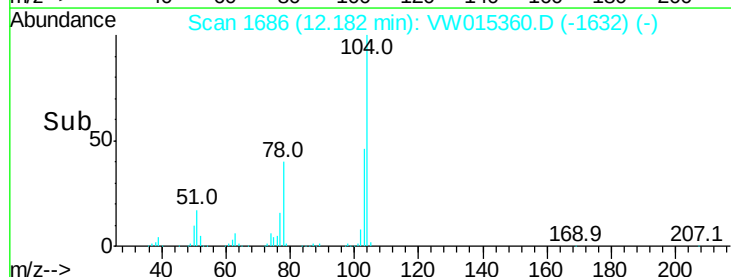
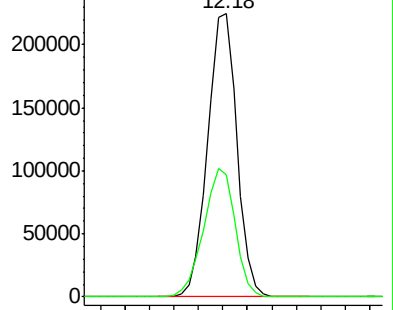
104 100

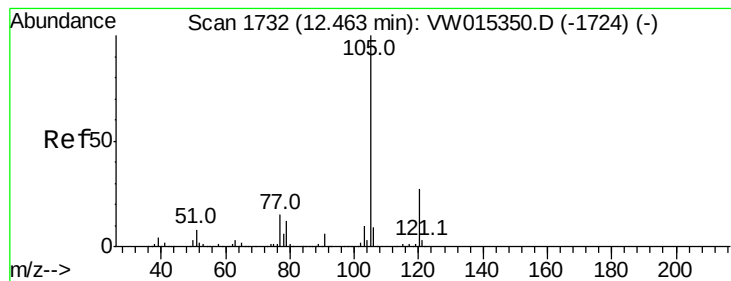
78 43.0 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 22.330 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

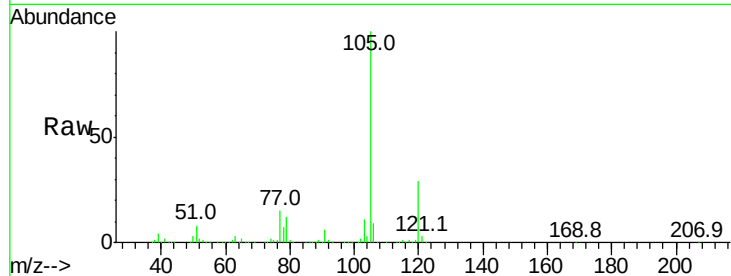
Tgt Ion:105 Resp: 599286

Ion Ratio Lower Upper

105 100

120 28.0 21.8 32.8

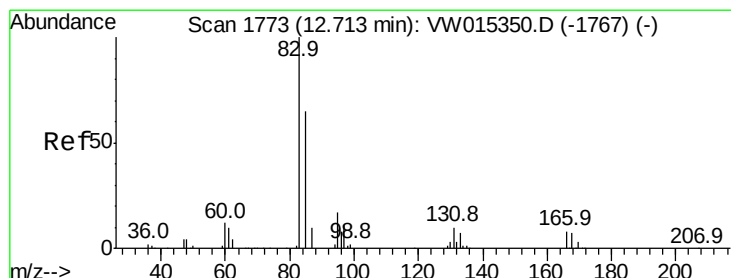
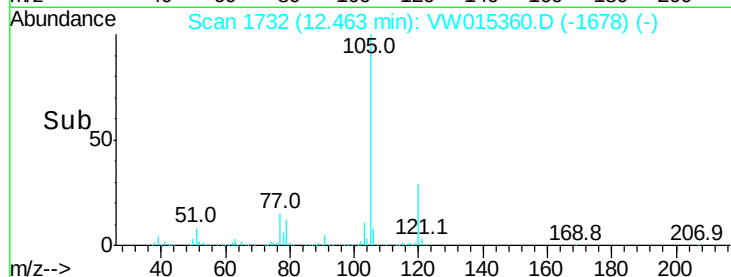
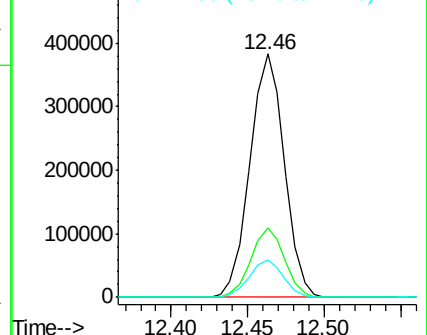
77 15.2 12.1 18.1



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: 24.429 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

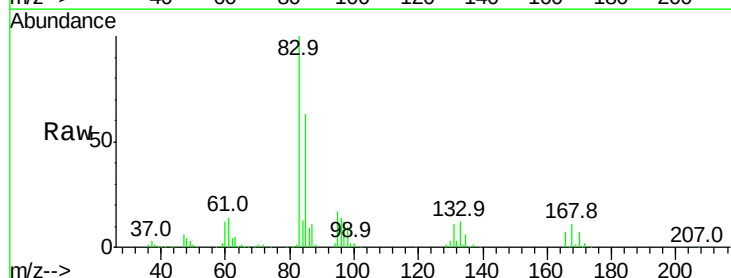
Tgt Ion: 83 Resp: 95184

Ion Ratio Lower Upper

83 100

85 62.5 45.7 84.9

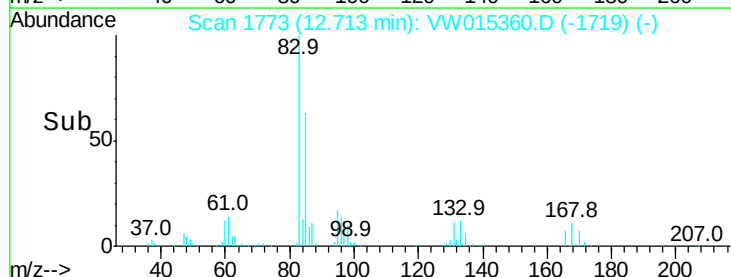
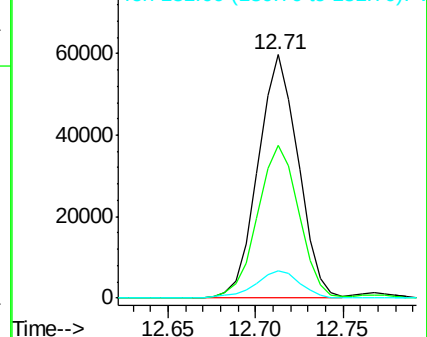
131 11.4 8.8 13.2

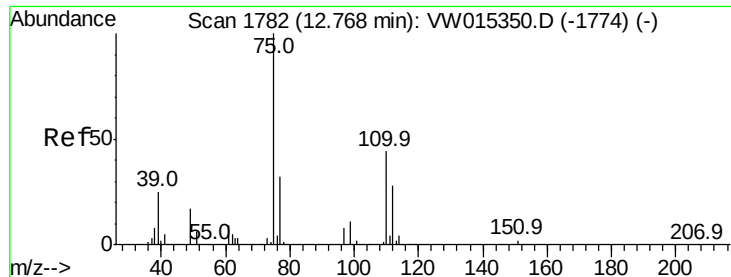


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.451 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

Instrument :

MSVOA_W

ClientSampleId :

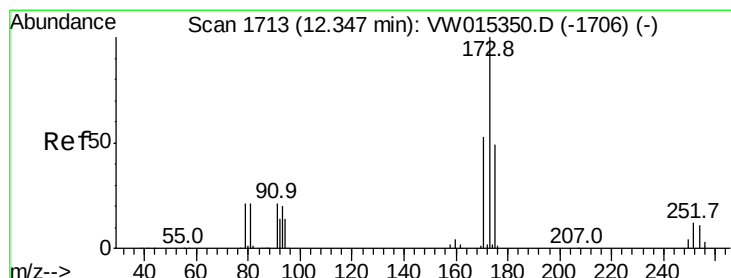
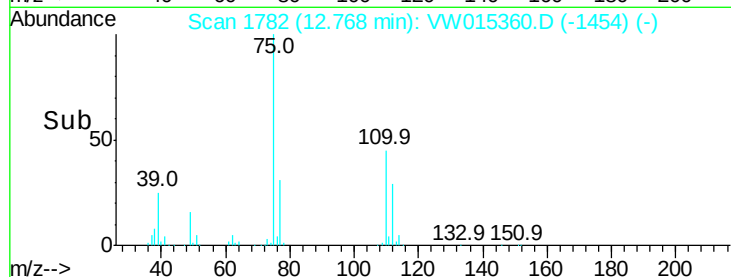
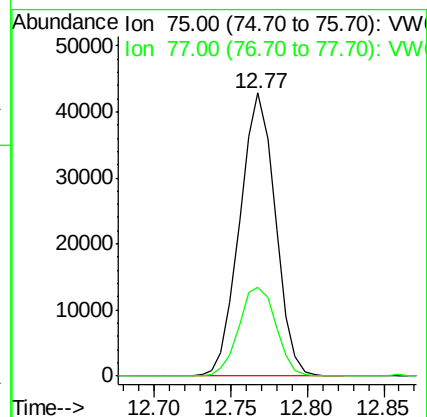
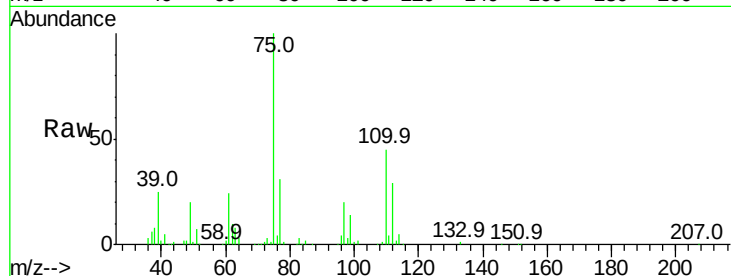
VSTD02503

Tgt Ion: 75 Resp: 69332

Ion Ratio Lower Upper

75 100

77 33.0 26.9 40.3



#62

Bromoform

Concen: 23.689 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015360.D

Acq: 28 Apr 2020 13:59

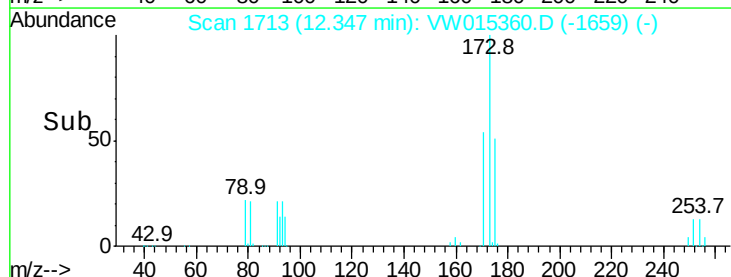
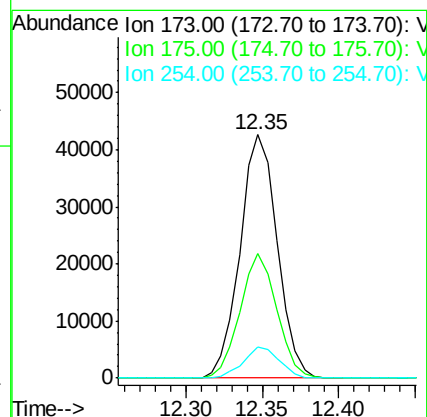
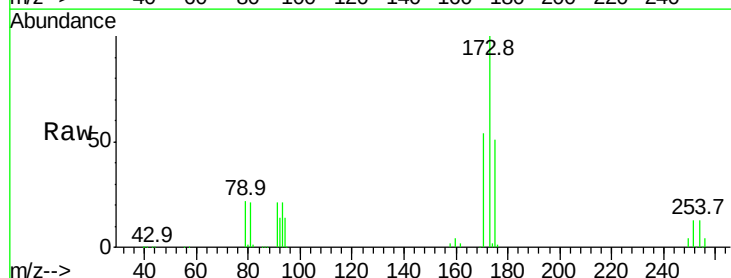
Tgt Ion: 173 Resp: 72000

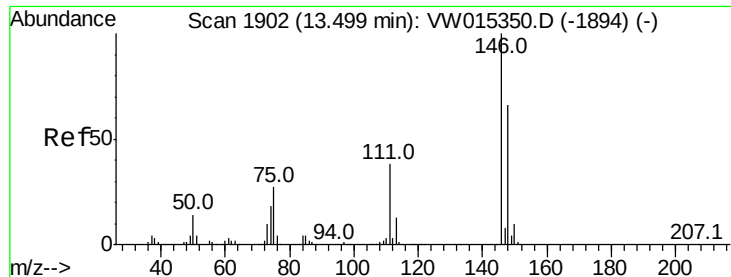
Ion Ratio Lower Upper

173 100

175 50.5 39.5 59.3

254 12.3 9.0 13.6

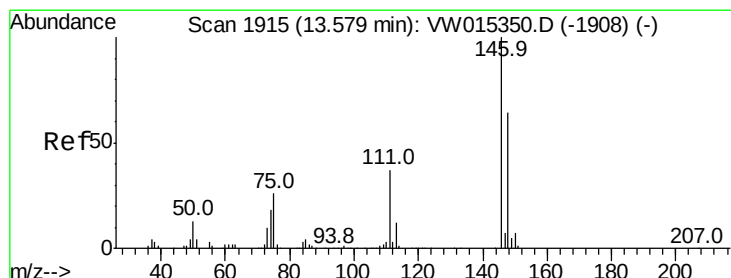
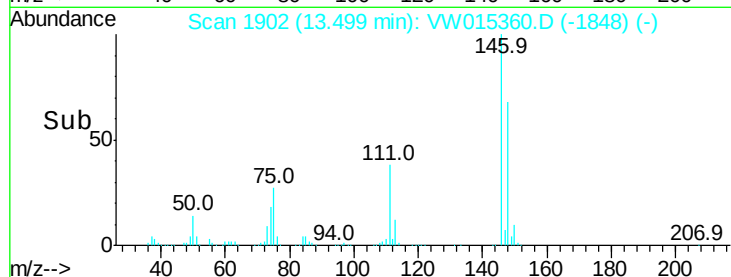
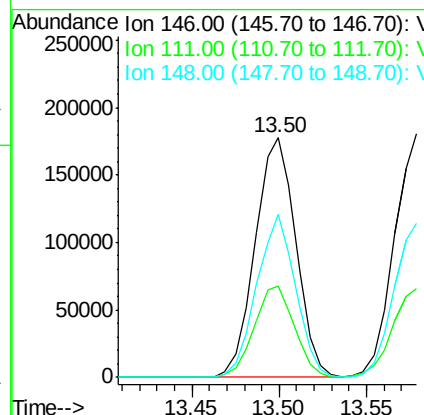
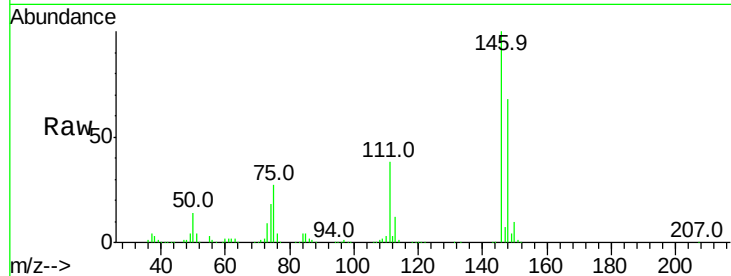




#63
 1,3-Dichlorobenzene
 Concen: 22.604 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

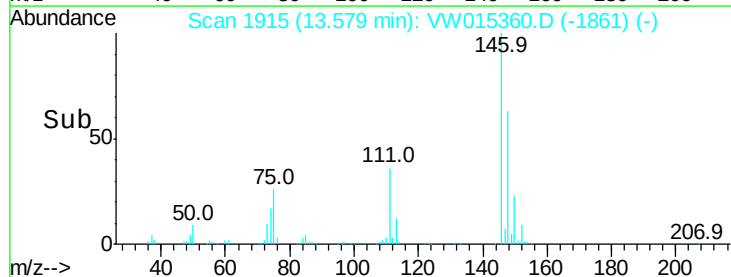
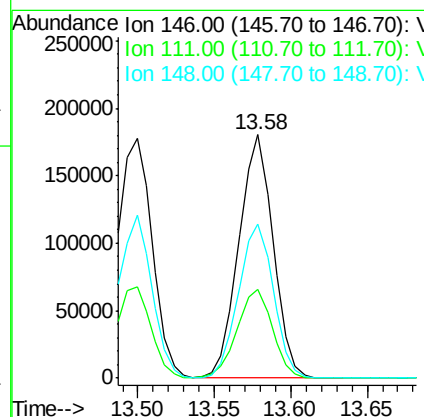
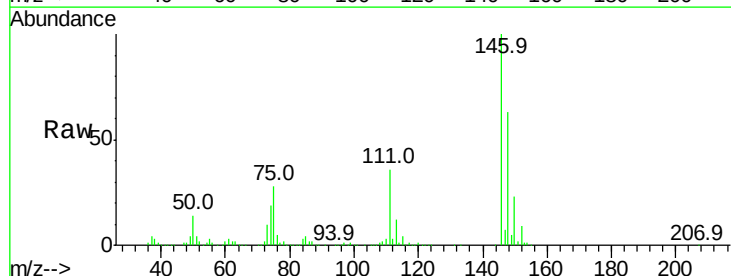
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

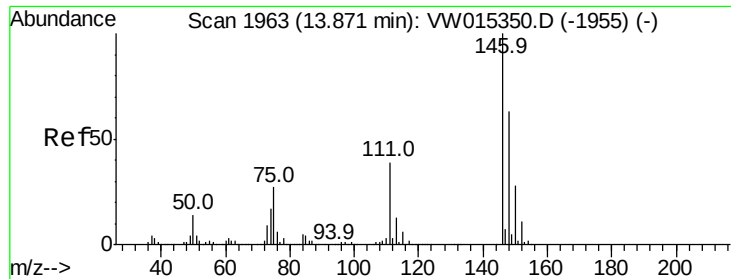
Tgt Ion:146 Resp: 287225
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.4 49.0
 148 67.9 46.1 85.5



#64
 1,4-Dichlorobenzene
 Concen: 22.393 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Tgt Ion:146 Resp: 280869
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.0 48.4
 148 63.2 44.7 83.1

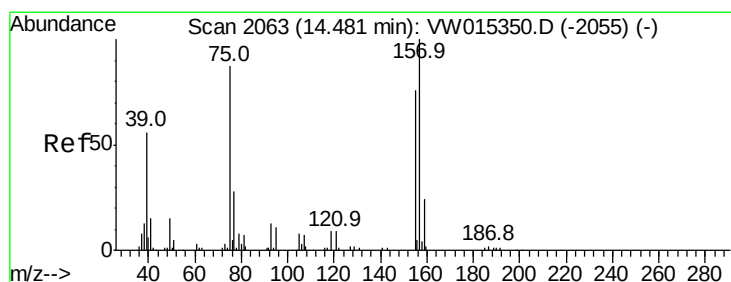
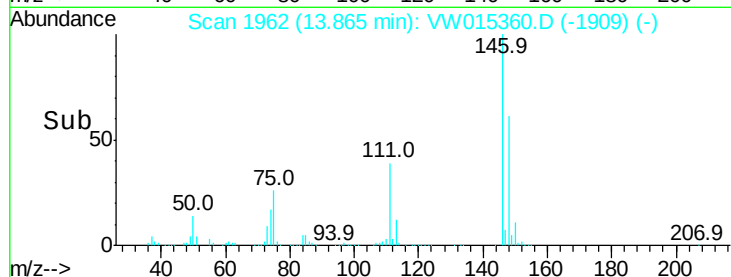
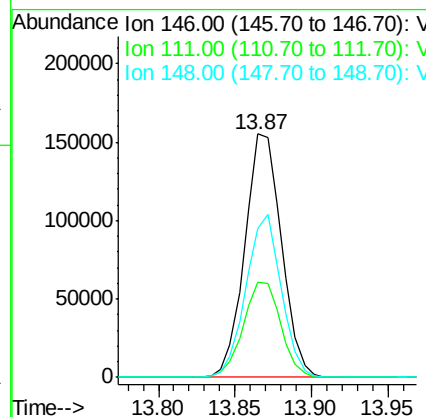
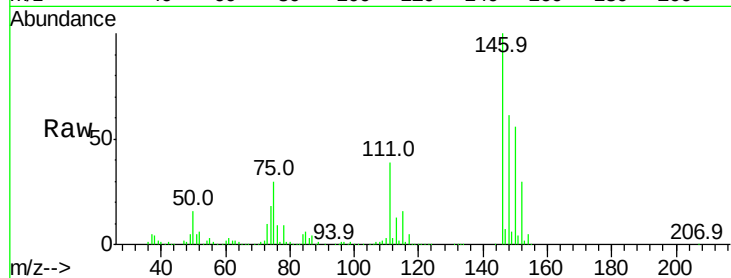




#65
 1,2-Dichlorobenzene
 Concen: 22.732 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:146 Resp: 258432
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.2 46.8
 148 61.1 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.804 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015360.D
 Acq: 28 Apr 2020 13:59

Tgt Ion: 75 Resp: 17238
 Ion Ratio Lower Upper
 75 100
 157 118.2 92.3 138.5
 155 93.8 70.4 105.6

