

Data File : VW015350.D
Acq On : 27 Apr 2020 10:33
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Apr 27 11:02:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 27 09:28:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	340120	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	179412	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	89246	28.85	ug/L	0.00
7) Chloroethane-d5	2.89	69	82221	31.53	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	169259	21.62	ug/L	0.00
20) 2-Butanone-d5	7.08	46	38605	38.78	ug/L	0.00
24) Chloroform-d	7.65	84	150736	19.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	94999	25.44	ug/L	0.00
29) Benzene-d6	8.27	84	351785	20.01	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	98787	18.68	ug/L	0.00
37) Toluene-d8	10.32	98	376204	22.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	51285	21.75	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	37836	40.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85270	22.09	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	151519	24.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	114207	32.913 ug/L	98
3) Chloromethane	2.22	50	99463	23.857 ug/L	97
5) Vinyl chloride	2.36	62	119249	29.366 ug/L	99
6) Bromomethane	2.78	94	84232	36.894 ug/L	98
8) Chloroethane	2.92	64	74241	32.053 ug/L	98
9) Trichlorofluoromethane	3.26	101	179266	55.347 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	110031	23.851 ug/L	92
12) 1,1-Dichloroethene	4.04	96	100070	22.368 ug/L	91
13) Acetone	4.12	43	35630	49.364 ug/L	91
14) Carbon disulfide	4.39	76	310390	22.098 ug/L	99
15) Methyl Acetate	4.68	43	33275	20.081 ug/L	95
16) Methylene chloride	4.92	84	104366	22.062 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	239145	40.445 ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	111408	24.282 ug/L	92
19) 1,1-Dichloroethane	6.22	63	170709	21.920 ug/L	97
21) 2-Butanone	7.17	43	48303	41.560 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	117238	24.464 ug/L	95
23) Bromochloromethane	7.52	128	53917	27.035 ug/L #	76
25) Chloroform	7.68	83	222194	29.317 ug/L	99
27) 1,2-Dichloroethane	8.40	62	121392	26.802 ug/L	99
30) Cyclohexane	7.96	56	164858	18.702 ug/L	88
31) 1,1,1-Trichloroethane	7.87	97	189070	26.196 ug/L	99
32) Carbon tetrachloride	8.07	117	171434	25.937 ug/L	100
34) Benzene	8.32	78	410138	20.543 ug/L	100
35) Trichloroethene	9.09	95	118137	22.860 ug/L	93
36) Methylcyclohexane	9.34	83	205333	21.533 ug/L	93
40) 1,2-Dichloropropane	9.37	63	93210	19.253 ug/L #	96
41) Bromodichloromethane	9.65	83	144171	23.855 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	168624	22.143 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	100962	36.032 ug/L #	94

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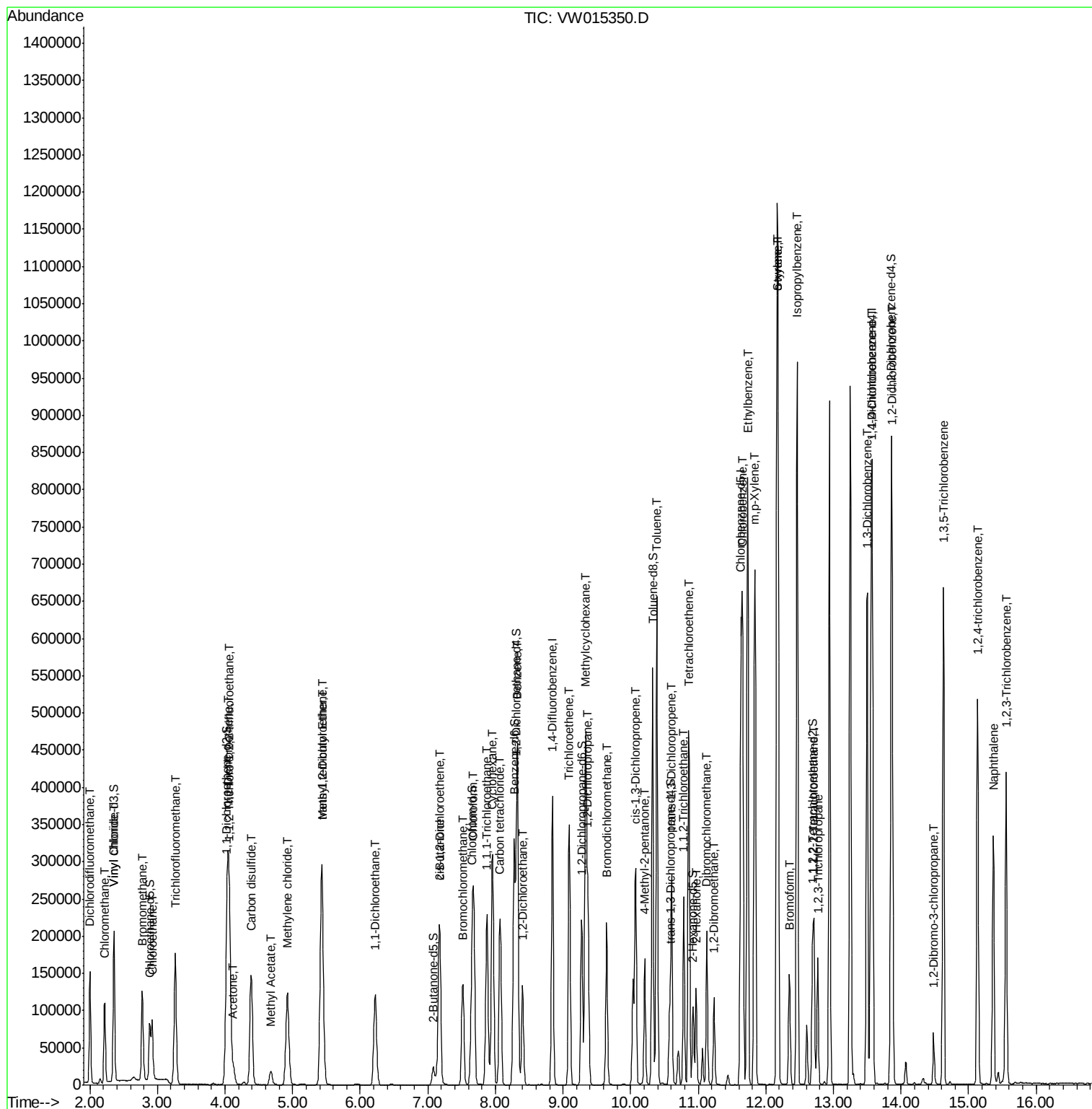
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	500594	23.621	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	148951	23.122	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	80101	23.381	ug/L	98
47) Tetrachloroethene	10.86	164	111088	28.304	ug/L	93
49) 2-Hexanone	10.97	43	75269	40.695	ug/L #	96
50) Dibromochloromethane	11.13	129	107216	26.602	ug/L	94
51) 1,2-Dibromoethane	11.23	107	79731	24.765	ug/L	98
52) Chlorobenzene	11.66	112	336264	25.713	ug/L	96
53) Ethylbenzene	11.73	91	590564	24.855	ug/L	100
54) m,p-Xylene	11.84	106	236721	25.879	ug/L	94
55) o-xylene	12.16	106	223637	25.533	ug/L	97
56) Styrene	12.18	104	385355	26.332	ug/L	94
57) Isopropylbenzene	12.46	105	629301	26.745	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	89326	22.730	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	66243	22.916	ug/L	99
62) Bromoform	12.35	173	68458	24.670	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	290759	24.680	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	288076	25.009	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	260875	24.965	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	17013	21.485	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	215515	26.799	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	174386	26.368	ug/L	96
69) Naphthalene	15.36	128	297909	22.538	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	151455	26.775	ug/L	97

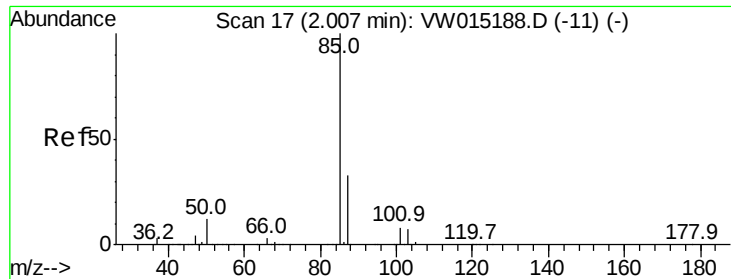
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 32.913 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

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Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

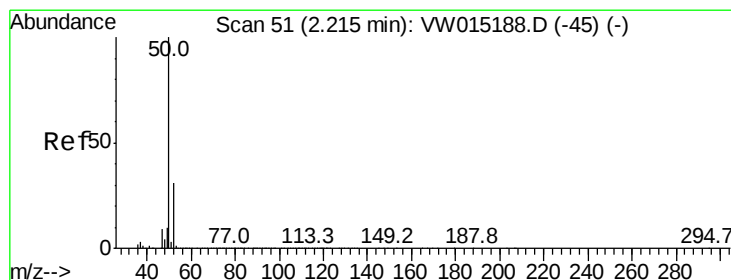
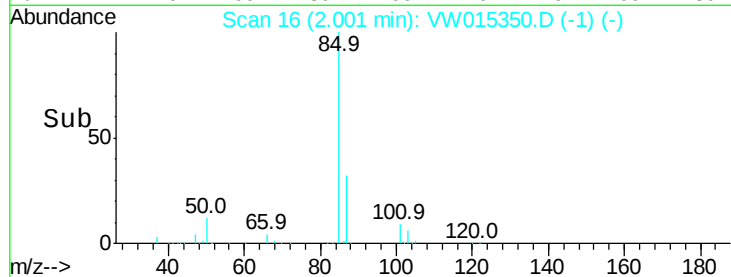
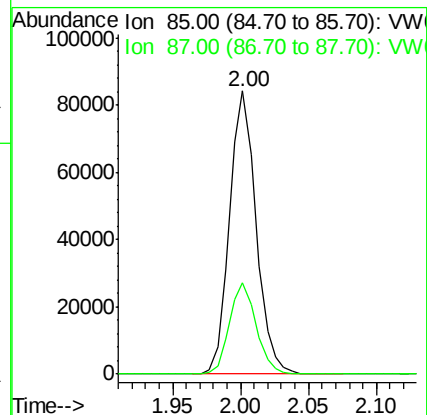
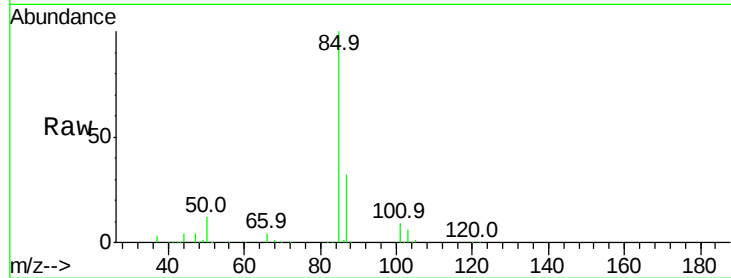
VSTD02502

Tgt Ion: 85 Resp: 114207

Ion Ratio Lower Upper

85 100

87 32.3 23.3 43.3



#3

Chloromethane

Concen: 23.857 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015350.D

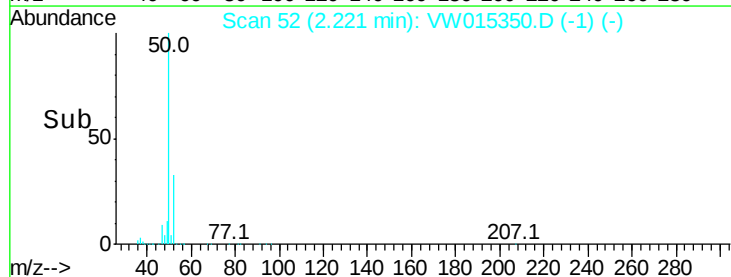
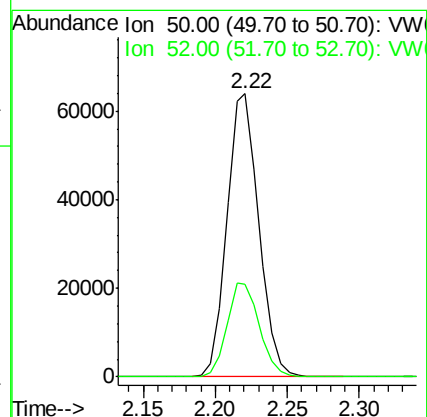
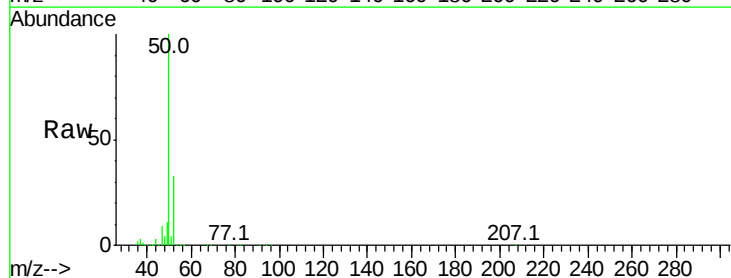
Acq: 27 Apr 2020 10:33

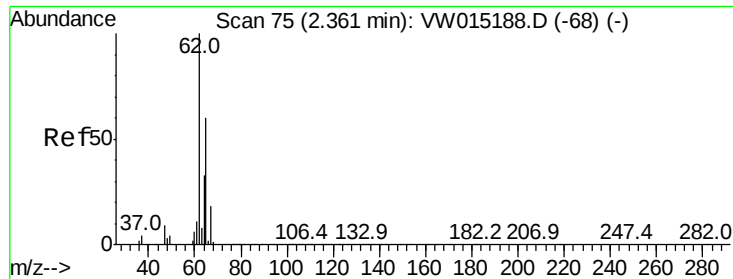
Tgt Ion: 50 Resp: 99463

Ion Ratio Lower Upper

50 100

52 32.9 22.0 40.8





#5

Vinyl chloride

Concen: 29.366 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

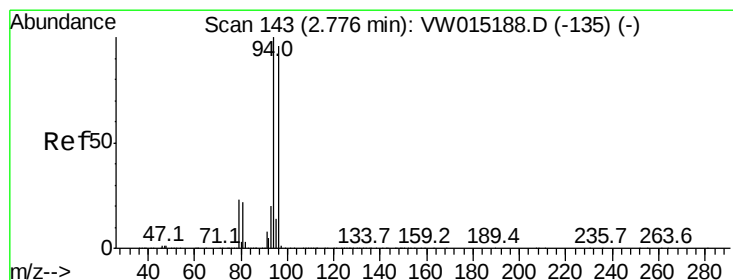
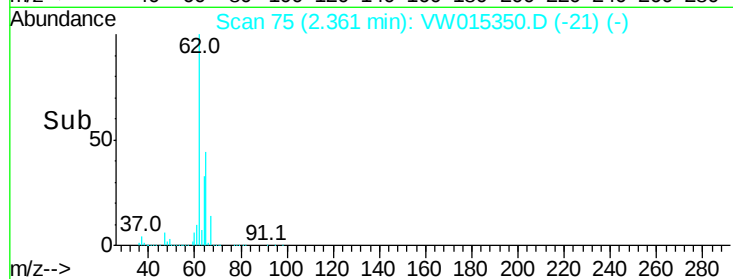
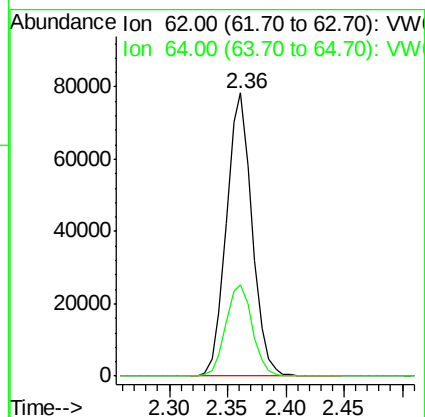
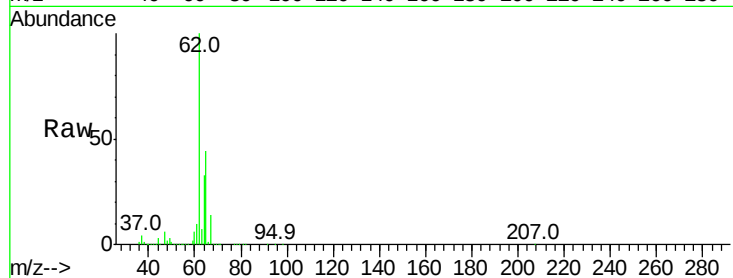
VSTD02502

Tgt Ion: 62 Resp: 119249

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



#6

Bromomethane

Concen: 36.894 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015350.D

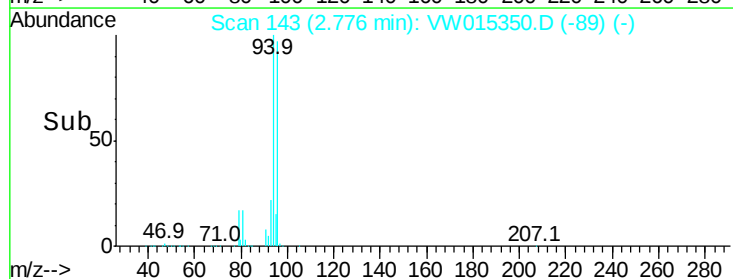
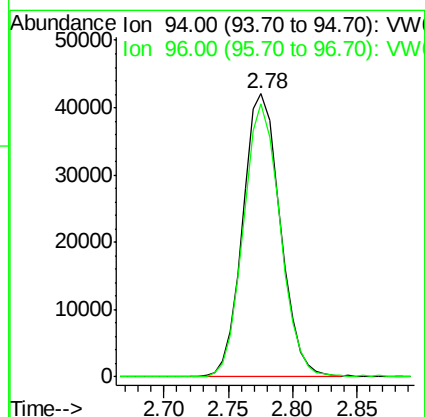
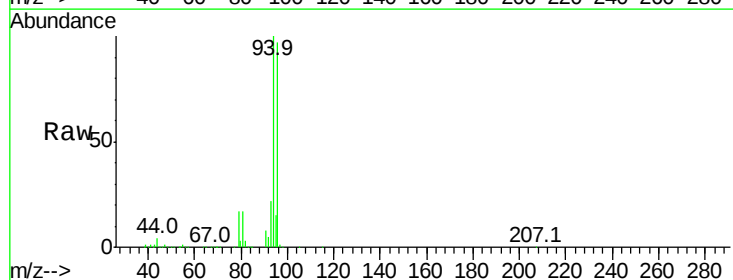
Acq: 27 Apr 2020 10:33

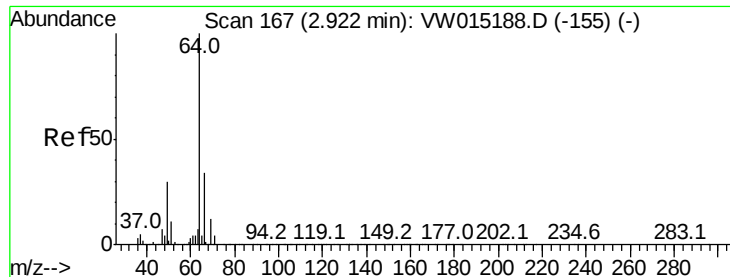
Tgt Ion: 94 Resp: 84232

Ion Ratio Lower Upper

94 100

96 95.0 9.3 176.5





#8

Chloroethane

Concen: 32.053 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

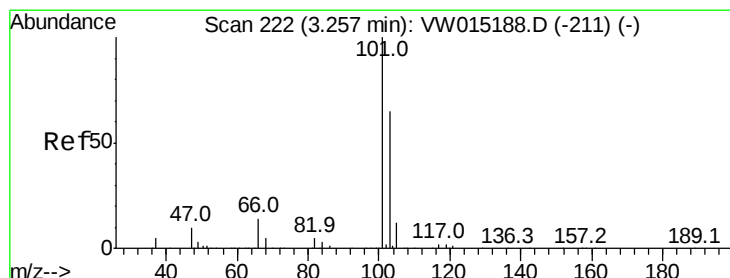
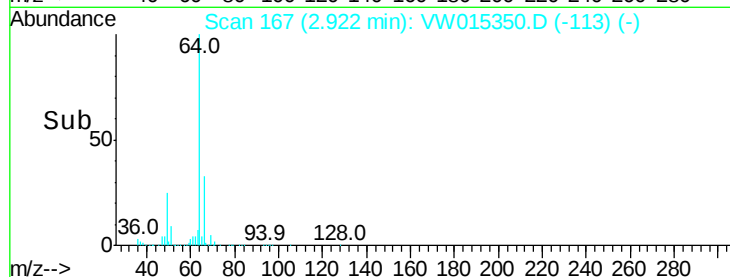
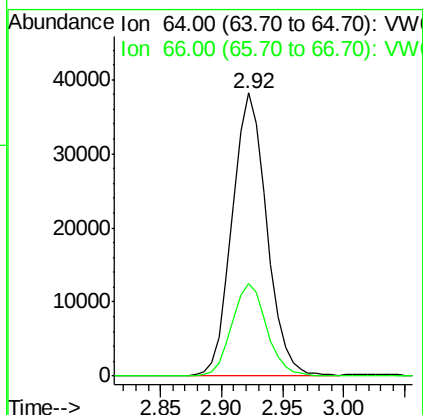
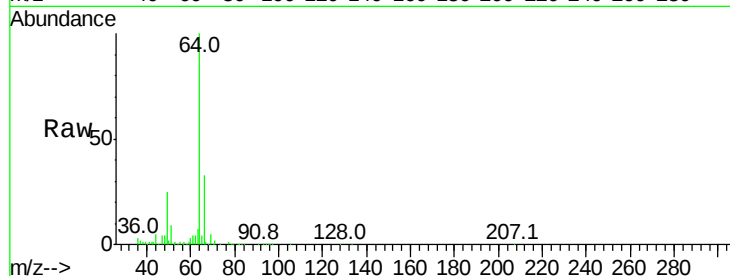
VSTD02502

Tgt Ion: 64 Resp: 74241

Ion Ratio Lower Upper

64 100

66 32.7 23.9 44.3



#9

Trichlorofluoromethane

Concen: 55.347 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015350.D

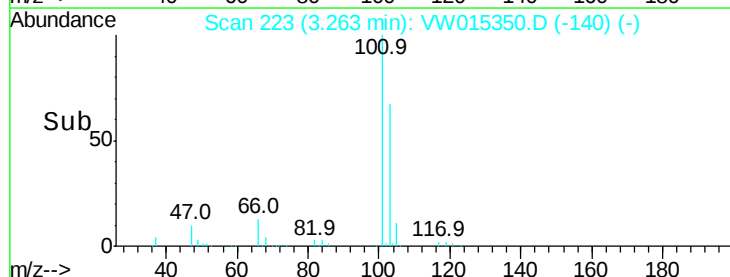
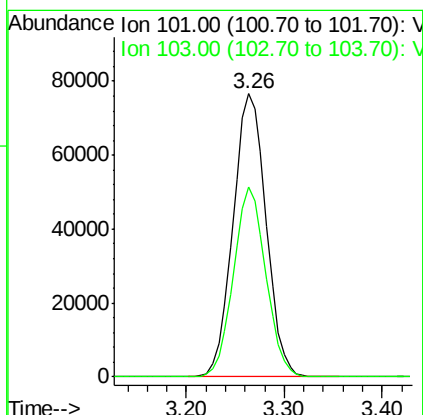
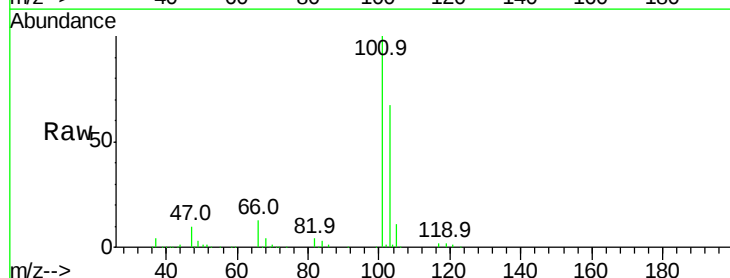
Acq: 27 Apr 2020 10:33

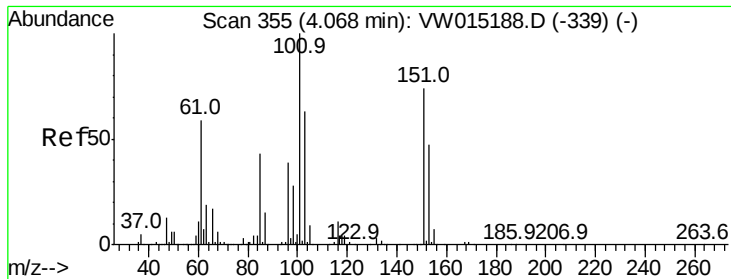
Tgt Ion: 101 Resp: 179266

Ion Ratio Lower Upper

101 100

103 65.5 45.3 84.1





#11

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

Concen: 23.851 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

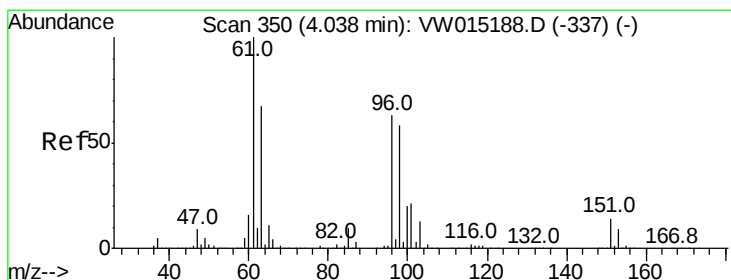
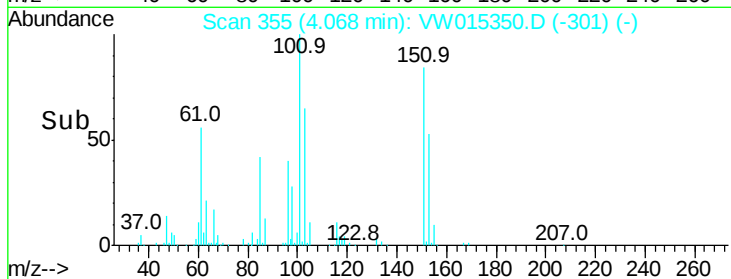
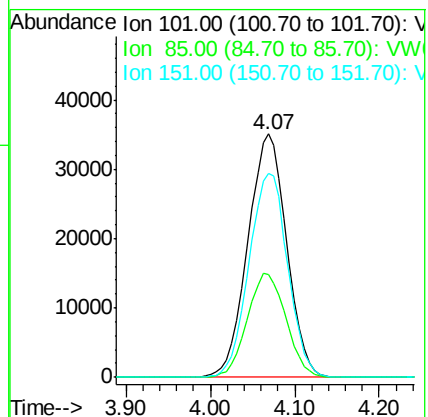
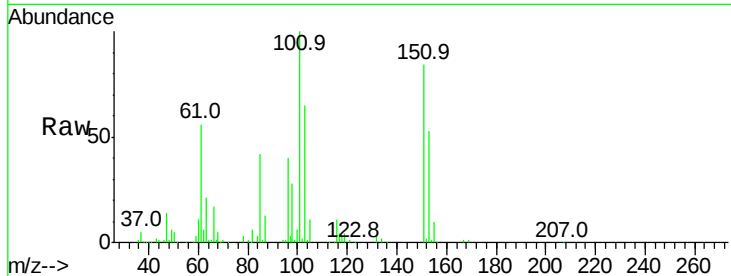
Tgt Ion: 101 Resp: 110031

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

151 83.7 59.1 88.7



#12

1,1-Dichloroethene

Concen: 22.368 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

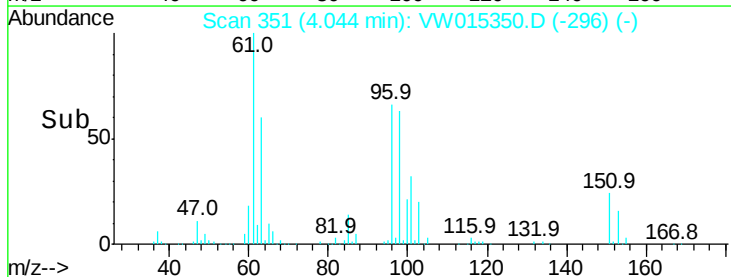
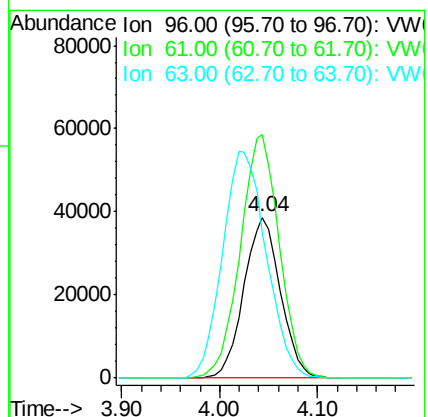
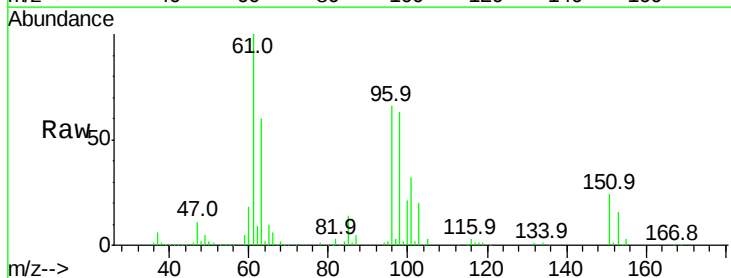
Tgt Ion: 96 Resp: 100070

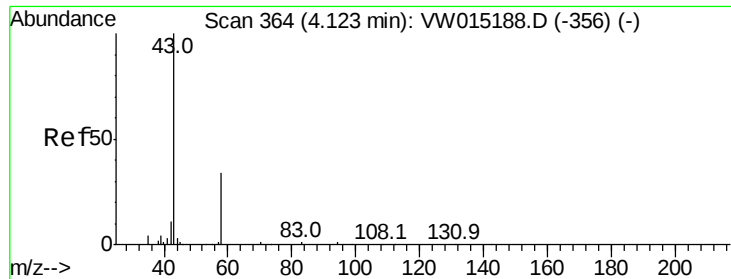
Ion Ratio Lower Upper

96 100

61 151.7 111.0 206.2

63 91.0 74.4 138.2





#13

Acetone

Concen: 49.364 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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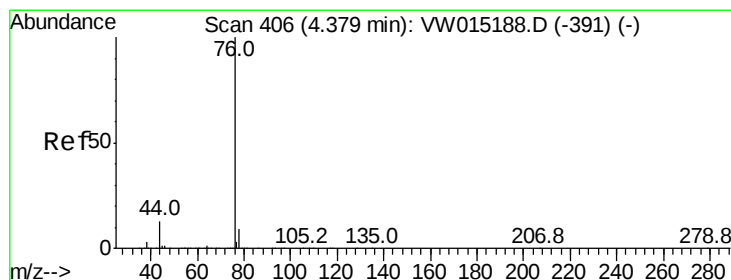
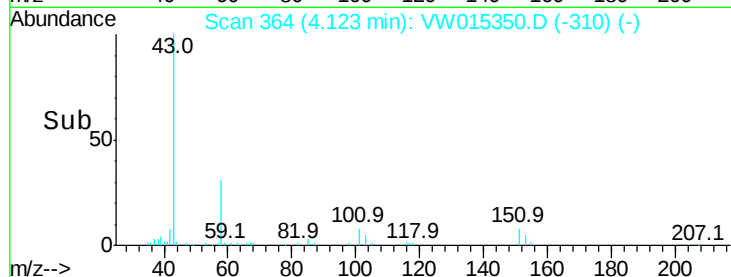
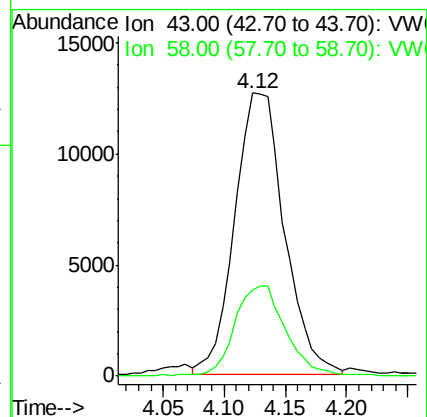
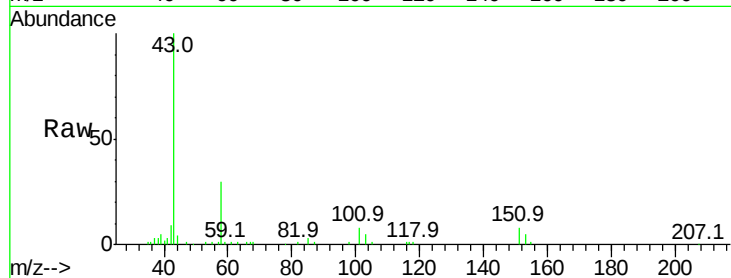
VSTD02502

Tgt Ion: 43 Resp: 35630

Ion Ratio Lower Upper

43 100

58 32.9 0.0 77.0



#14

Carbon disulfide

Concen: 22.098 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015350.D

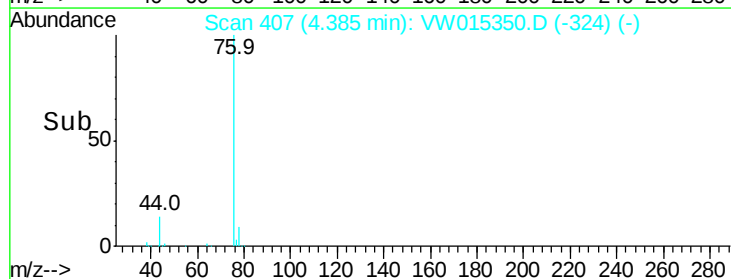
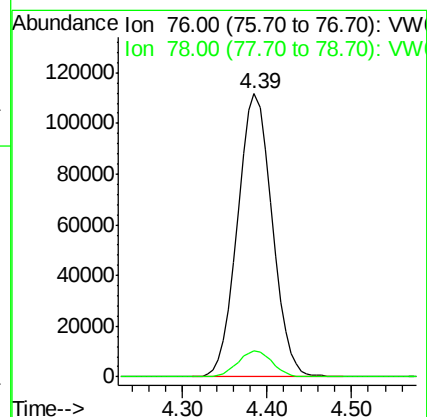
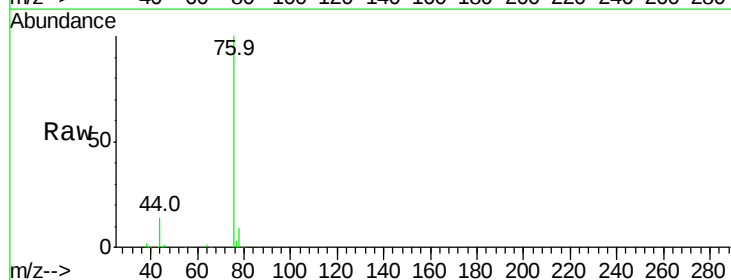
Acq: 27 Apr 2020 10:33

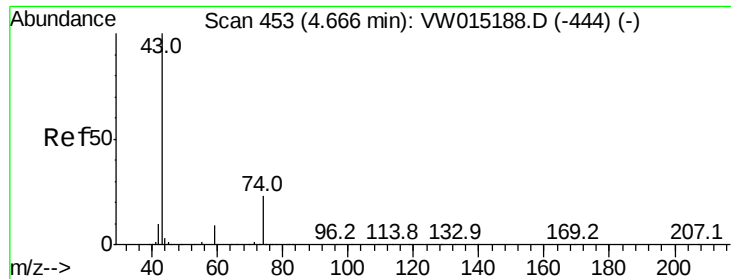
Tgt Ion: 76 Resp: 310390

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

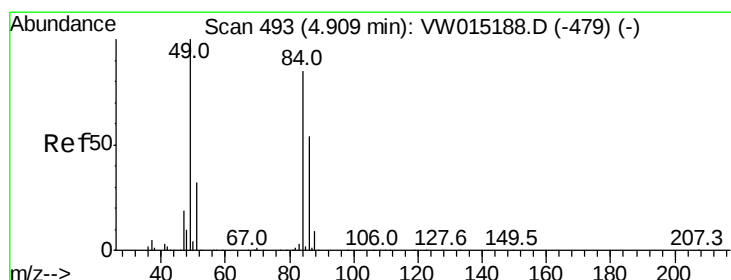
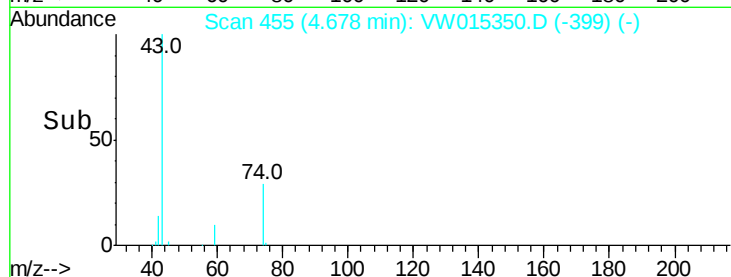
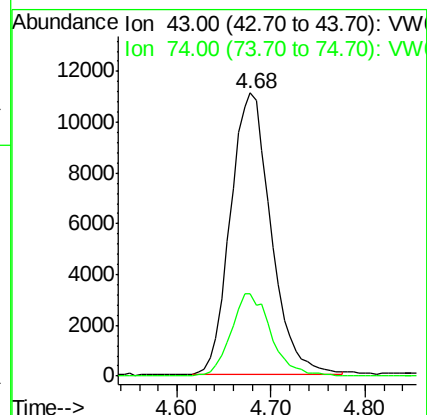
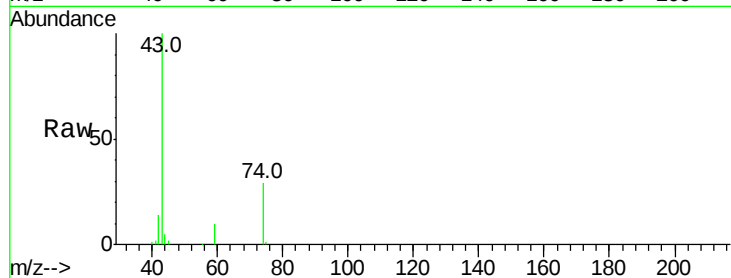




#15
Methyl Acetate
Concen: 20.081 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

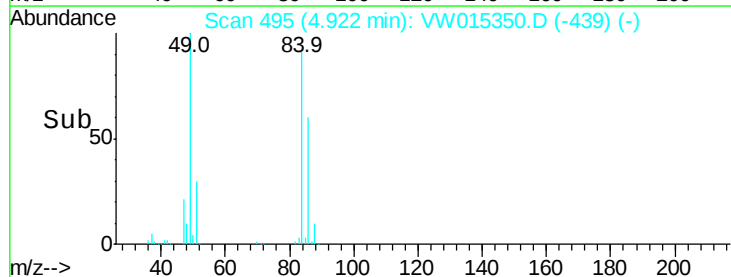
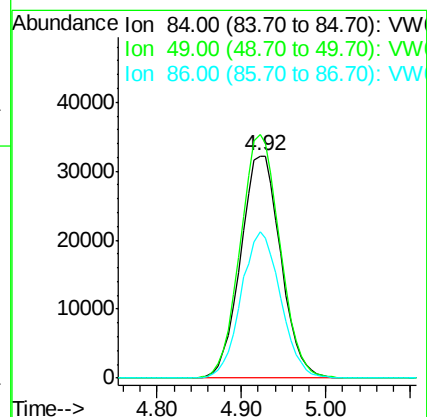
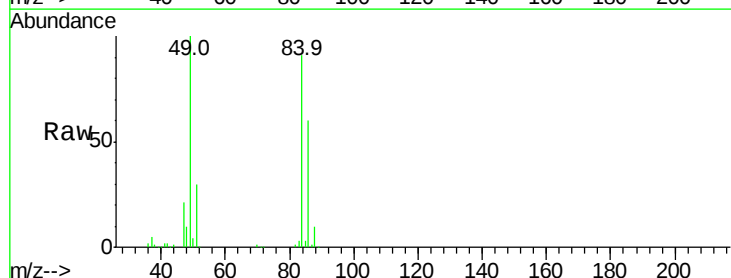
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

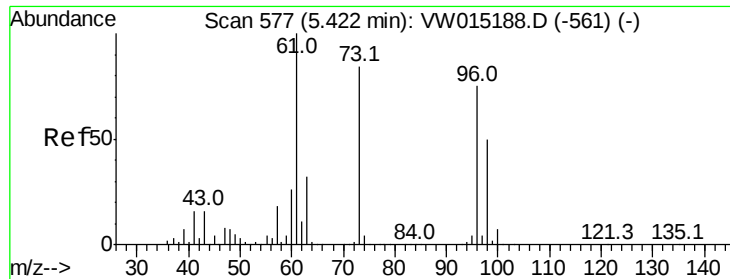
Tgt Ion: 43 Resp: 33275
Ion Ratio Lower Upper
43 100
74 28.6 20.7 31.1



#16
Methylene chloride
Concen: 22.062 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion: 84 Resp: 104366
Ion Ratio Lower Upper
84 100
49 109.6 82.3 152.9
86 65.6 44.1 81.9

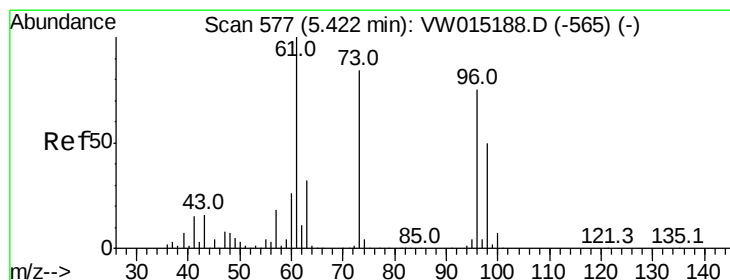
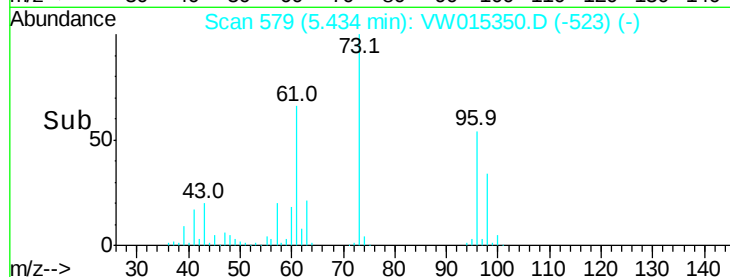
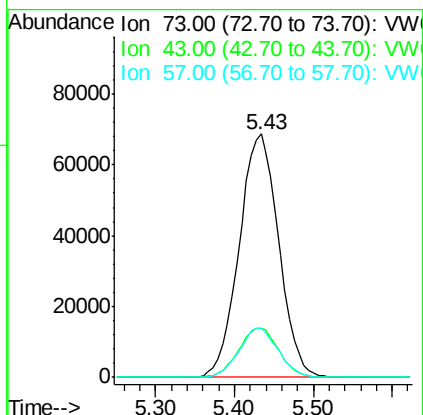
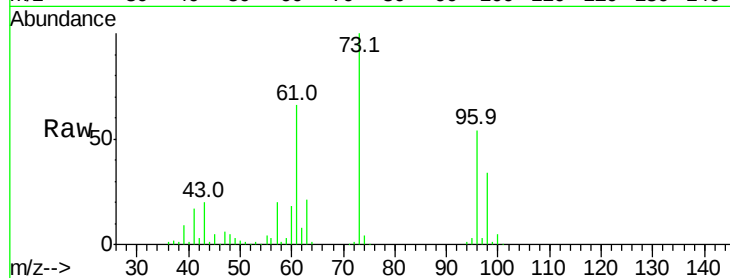




#17
Methyl tert-butyl Ether
Concen: 40.445 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

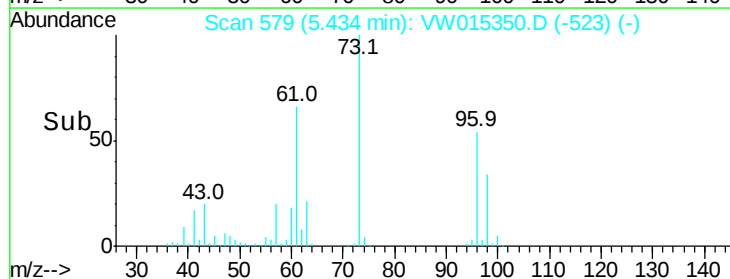
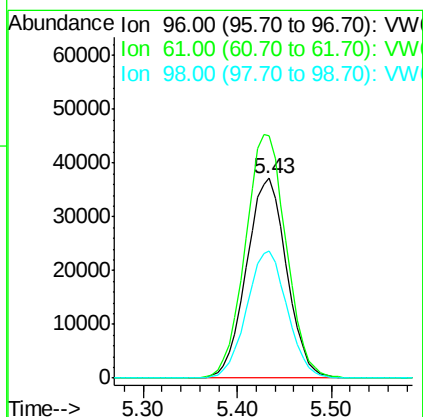
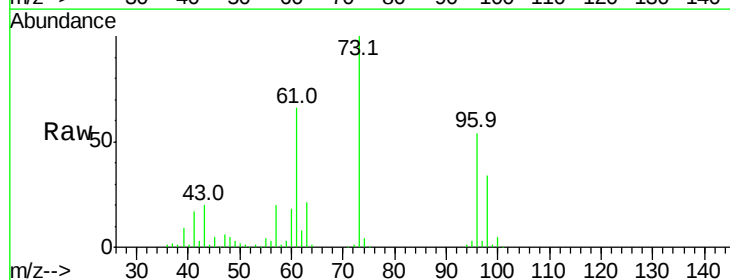
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

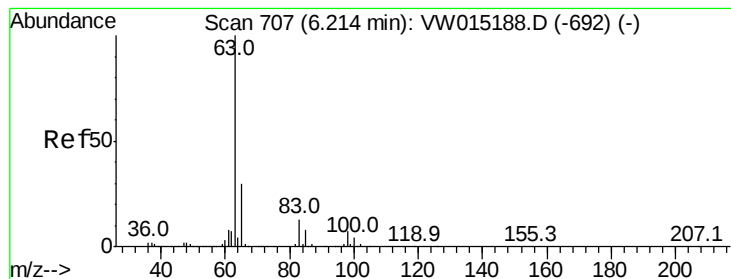
Tgt Ion: 73 Resp: 239145
Ion Ratio Lower Upper
73 100
43 20.7 15.7 23.5
57 20.1 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 24.282 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion: 96 Resp: 111408
Ion Ratio Lower Upper
96 100
61 121.3 93.6 173.8
98 63.4 46.8 87.0





#19

1,1-Dichloroethane

Concen: 21.920 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

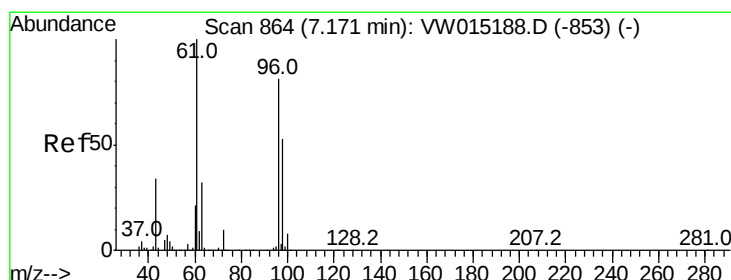
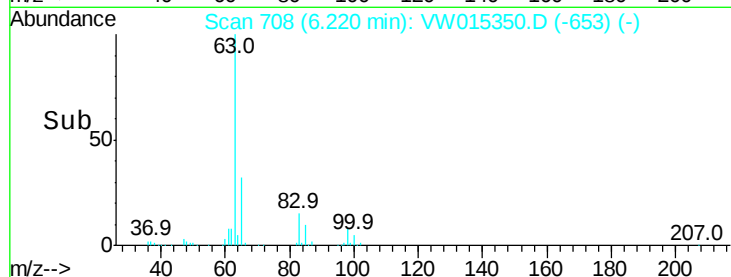
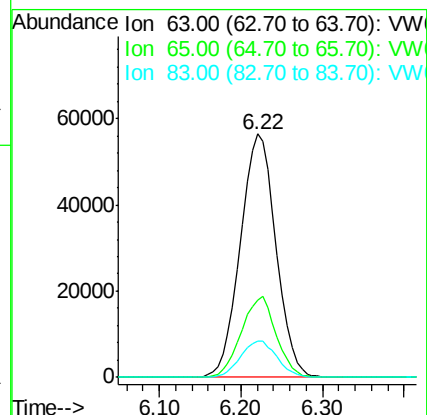
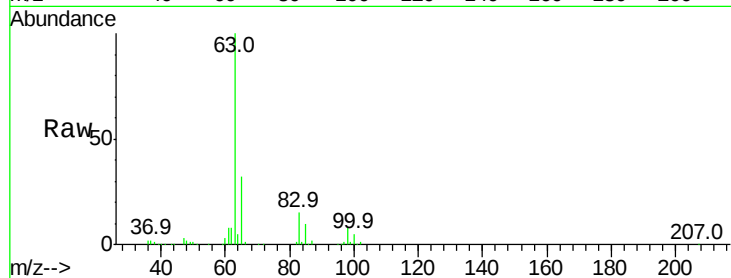
Tgt Ion: 63 Resp: 170709

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.5

83 15.1 9.0 16.8



#21

2-Butanone

Concen: 41.560 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015350.D

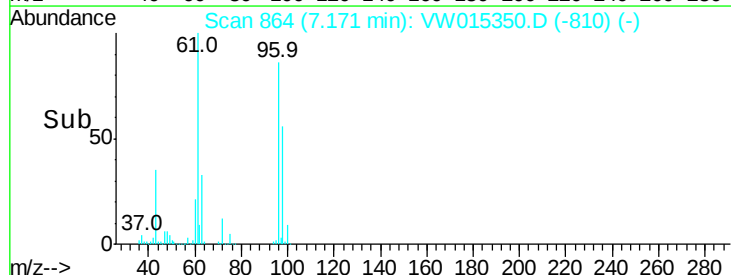
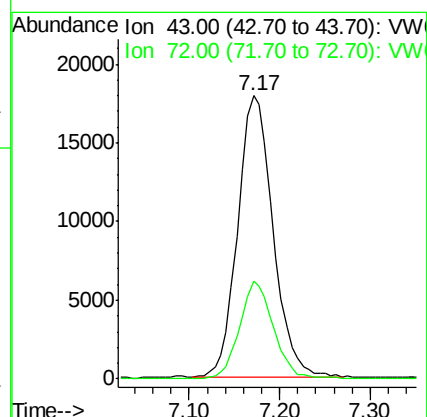
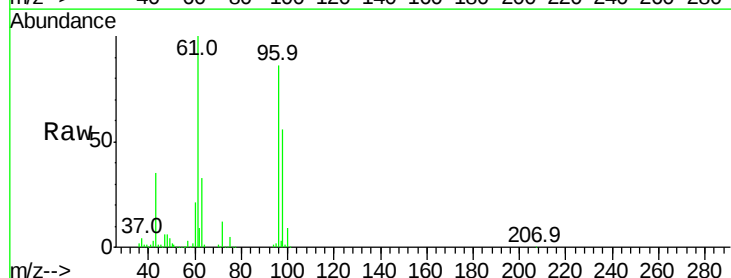
Acq: 27 Apr 2020 10:33

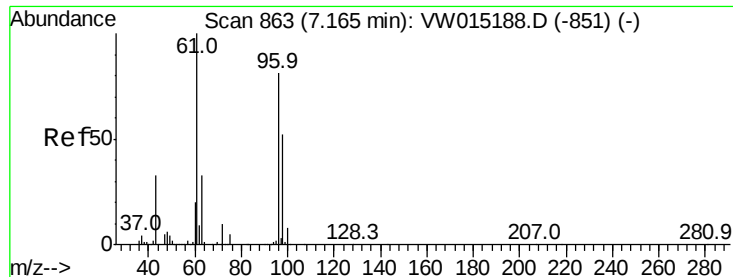
Tgt Ion: 43 Resp: 48303

Ion Ratio Lower Upper

43 100

72 33.1 14.9 44.7



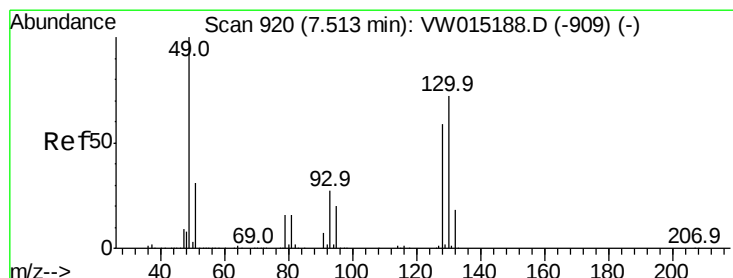
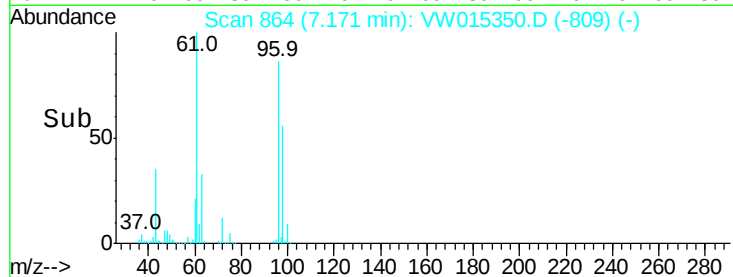
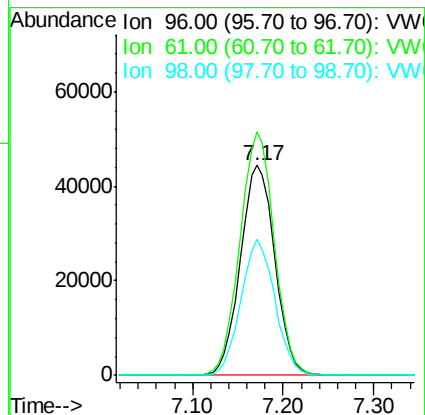
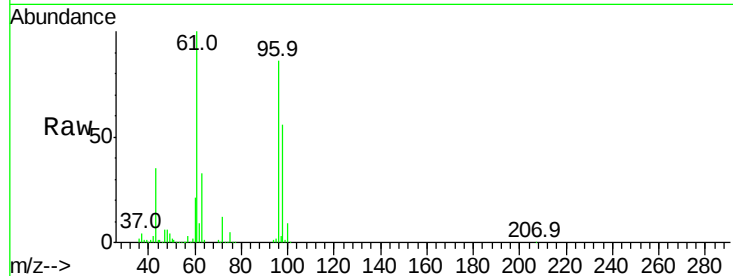


#22

cis-1,2-Dichloroethene
Concen: 24.464 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

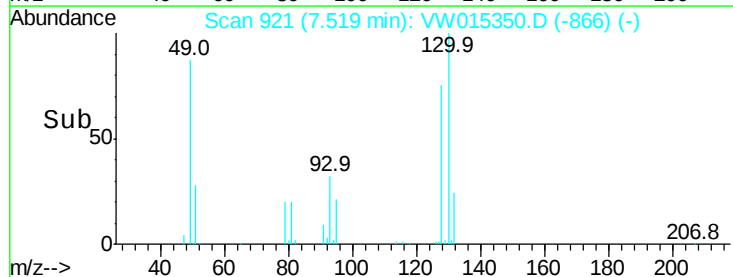
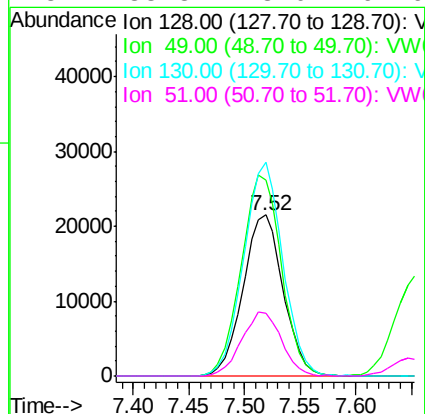
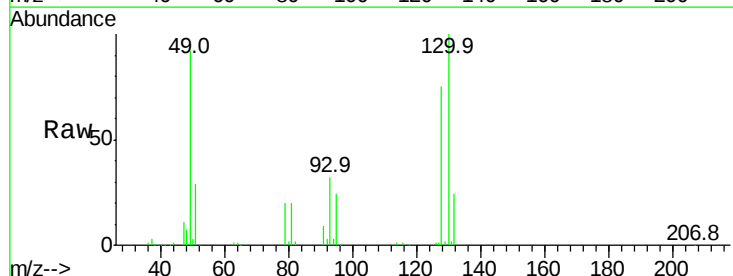
Tgt Ion: 96 Resp: 117238
Ion Ratio Lower Upper
96 100
61 116.0 86.7 161.1
98 64.8 44.7 82.9

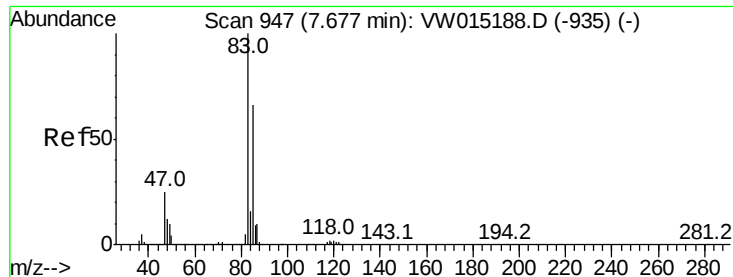


#23

Bromochloromethane
Concen: 27.035 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion: 128 Resp: 53917
Ion Ratio Lower Upper
128 100
49 121.6 119.1 221.3
130 132.7 86.3 160.3
51 38.8 43.0 64.6#





#25

Chloroform

Concen: 29.317 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

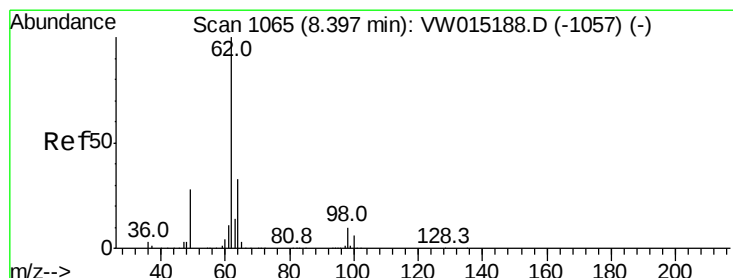
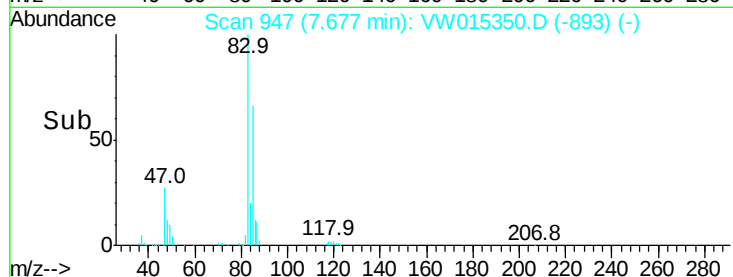
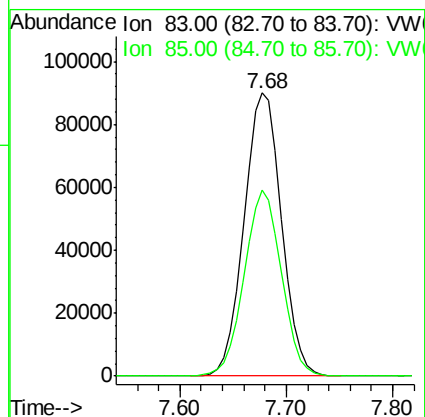
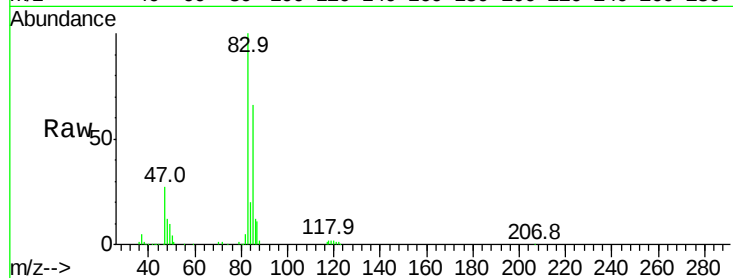
VSTD02502

Tgt Ion: 83 Resp: 222194

Ion Ratio Lower Upper

83 100

85 65.3 46.5 86.3



#27

1,2-Dichloroethane

Concen: 26.802 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW015350.D

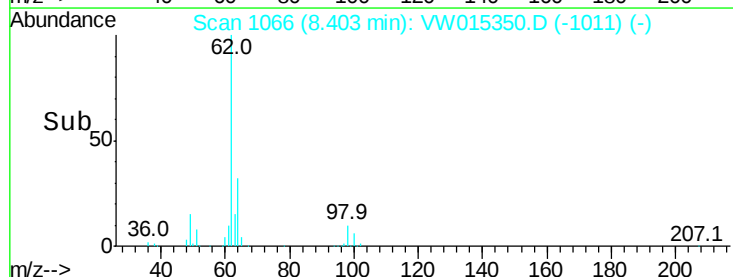
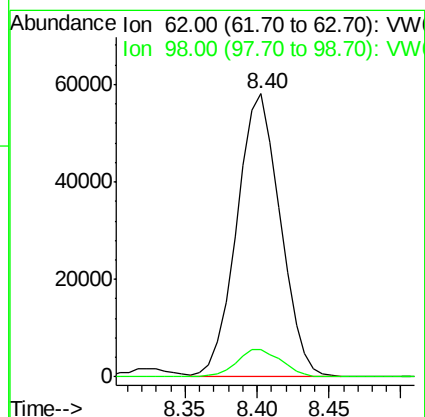
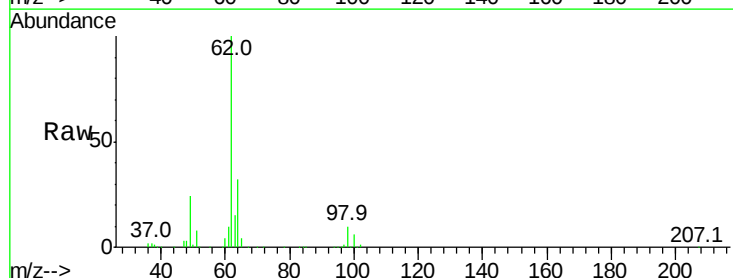
Acq: 27 Apr 2020 10:33

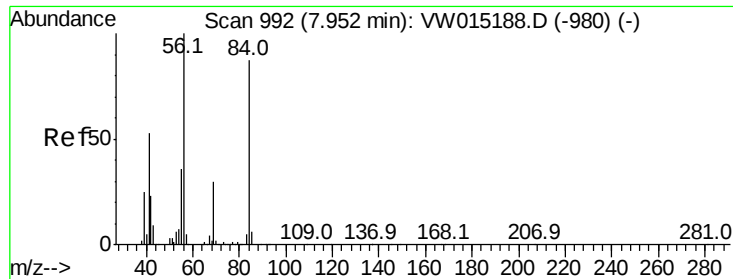
Tgt Ion: 62 Resp: 121392

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2

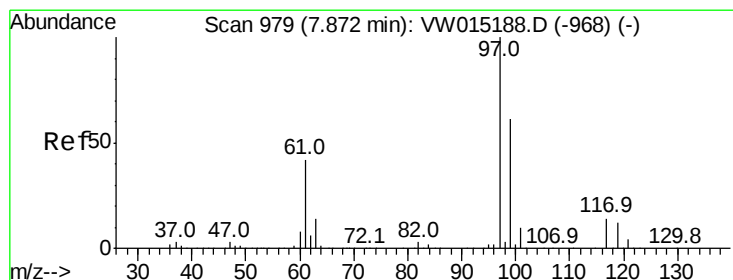
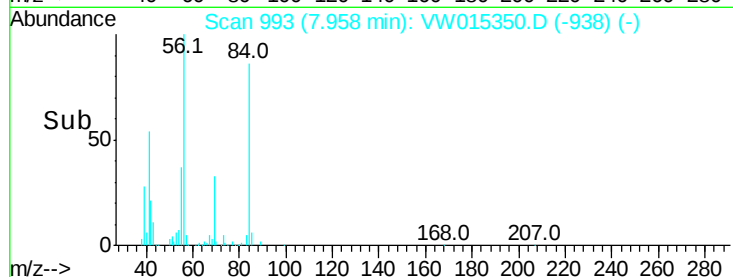
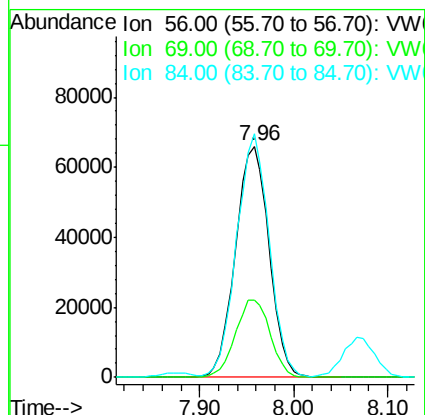
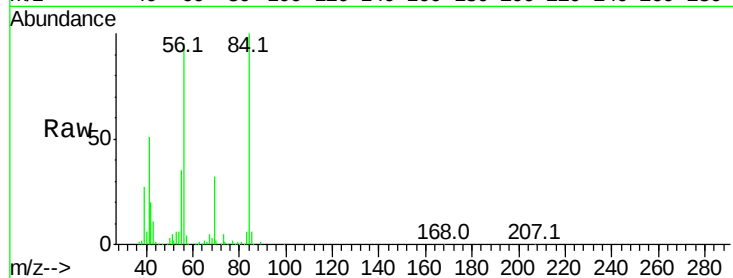




#30
Cyclohexane
Concen: 18.702 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

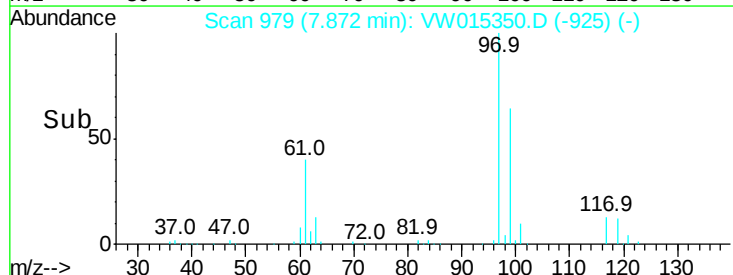
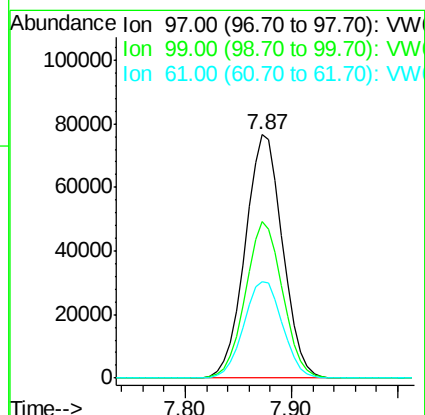
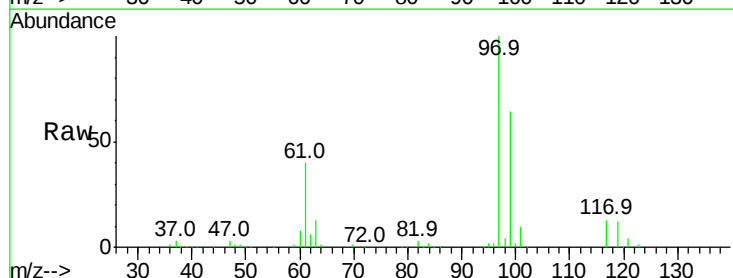
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

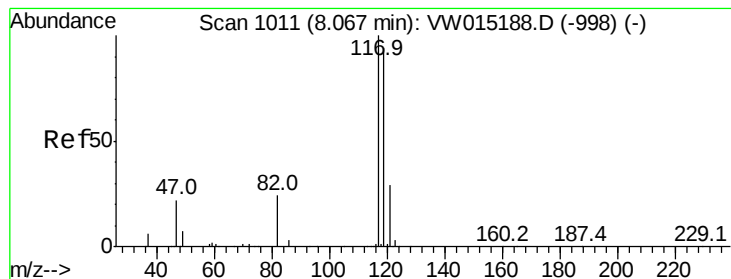
Tgt Ion: 56 Resp: 164858
Ion Ratio Lower Upper
56 100
69 34.3 24.8 37.2
84 102.2 71.0 106.6



#31
1,1,1-Trichloroethane
Concen: 26.196 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion: 97 Resp: 189070
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 41.0 34.1 51.1





#32

Carbon tetrachloride

Concen: 25.937 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

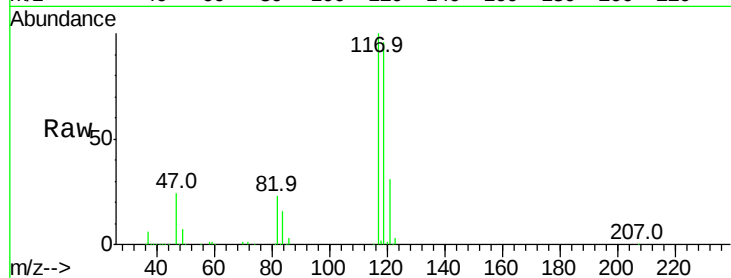
VSTD02502

Tgt Ion:117 Resp: 171434

Ion Ratio Lower Upper

117 100

119 95.4 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

80000

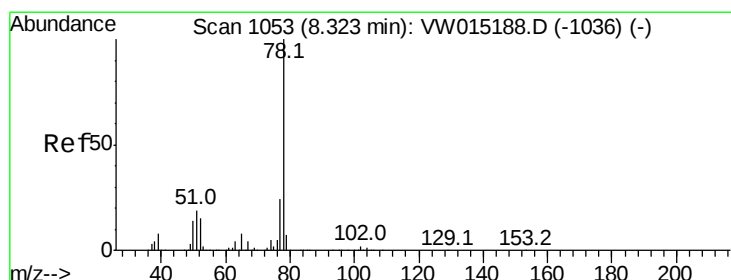
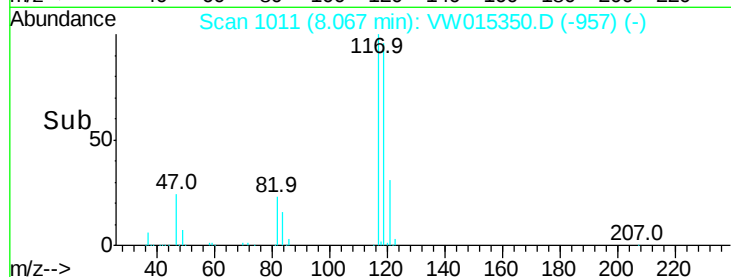
60000

40000

20000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 20.543 ug/L

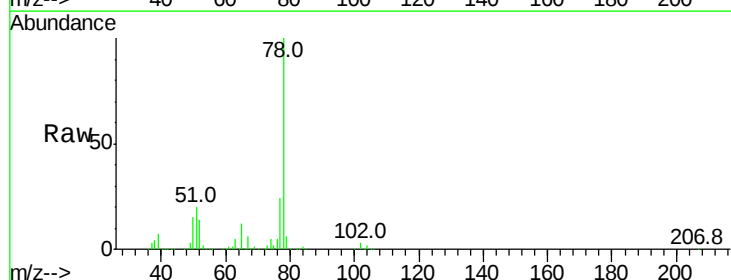
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Tgt Ion: 78 Resp: 410138



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

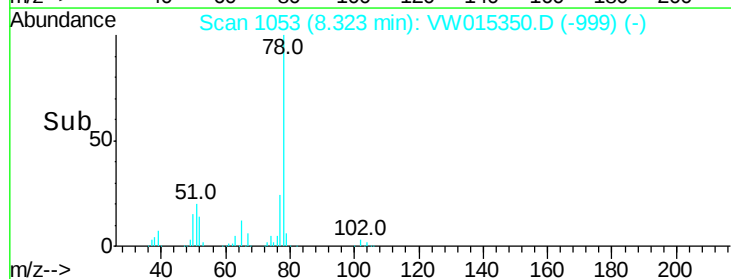
150000

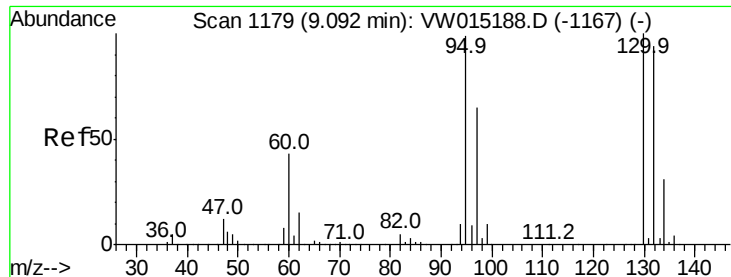
100000

50000

0

Time--> 8.20 8.30 8.40

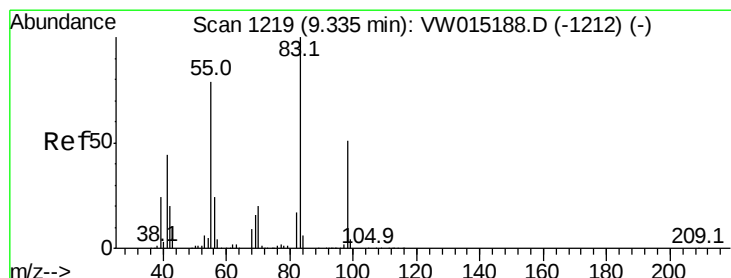
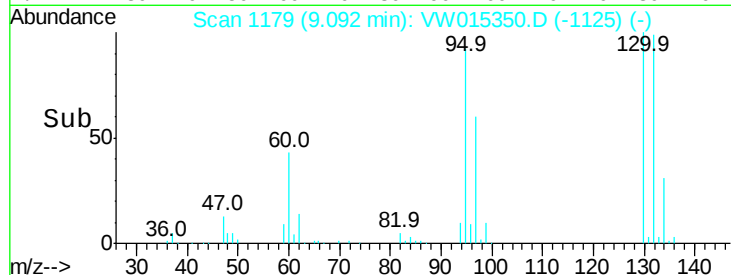
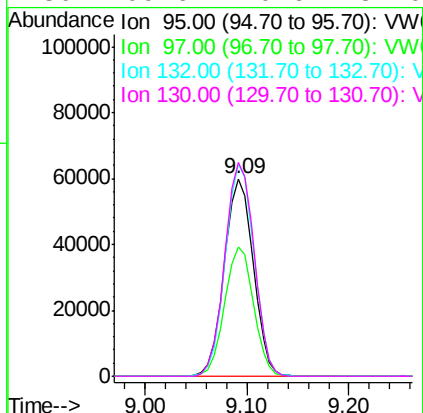
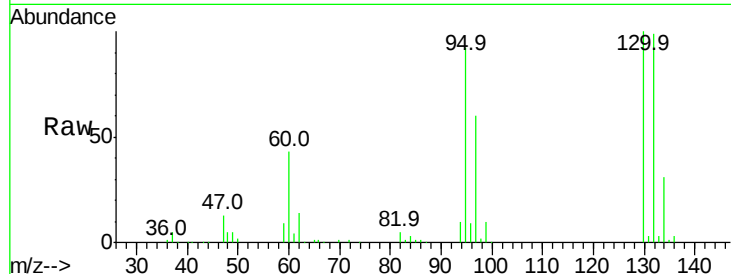




#35
 Trichloroethene
 Concen: 22.860 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

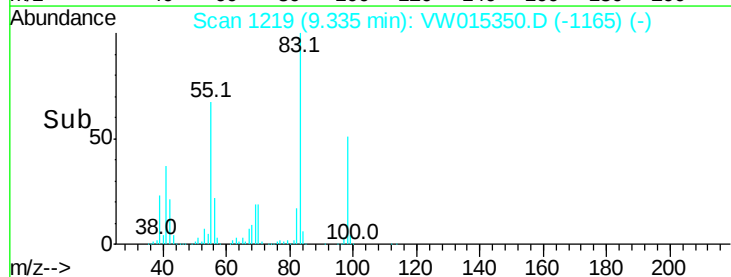
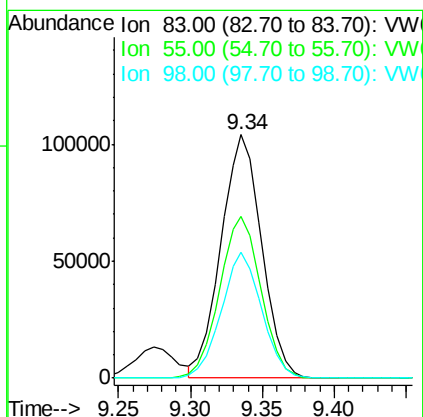
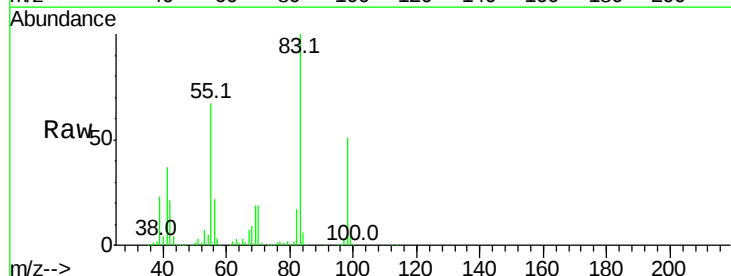
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

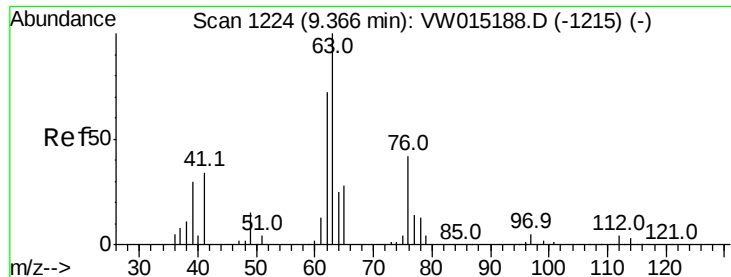
Tgt Ion:	95	Resp:	118137
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.4	84.2
132	106.5	67.1	124.5
130	109.6	70.6	131.0



#36
 Methylcyclohexane
 Concen: 21.533 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion:	83	Resp:	205333
Ion	Ratio	Lower	Upper
83	100		
55	67.3	60.1	90.1
98	51.2	39.4	59.0

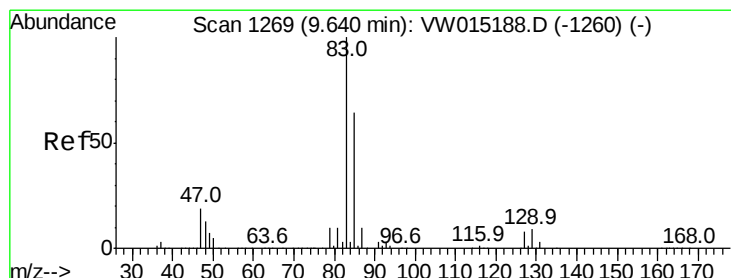
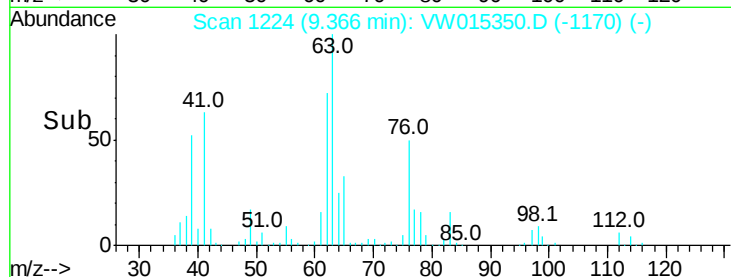
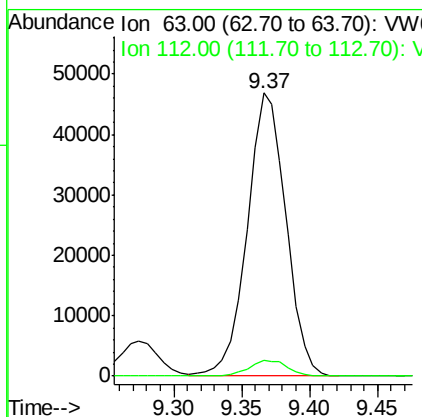
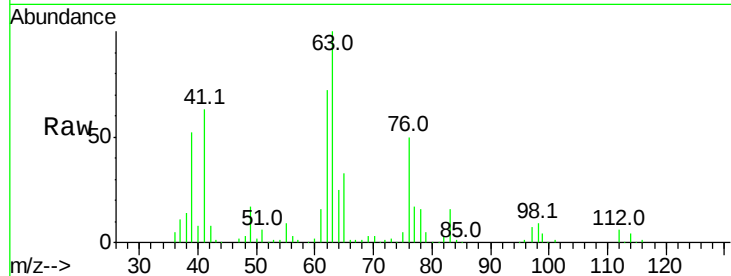




#40
 1,2-Dichloropropane
 Concen: 19.253 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

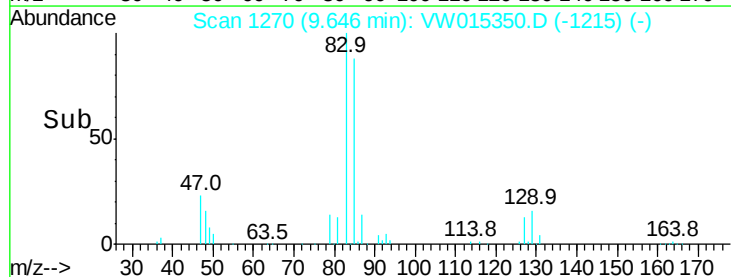
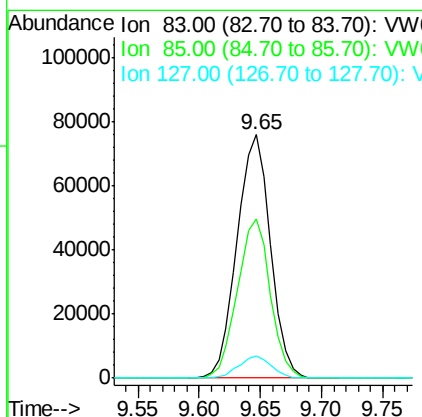
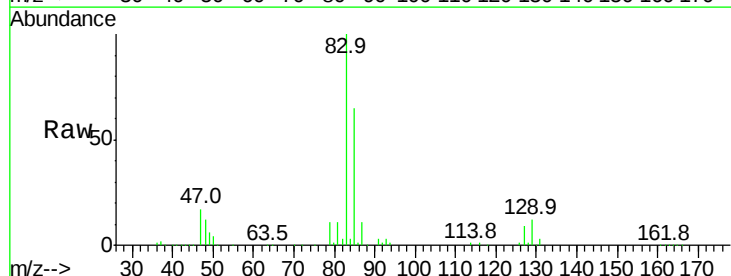
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

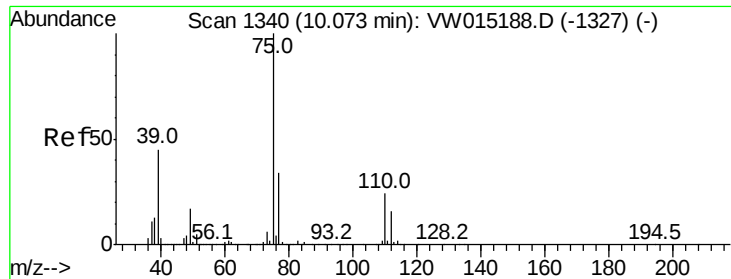
Tgt Ion: 63 Resp: 93210
 Ion Ratio Lower Upper
 63 100
 112 5.7 3.5 5.3#



#41
 Bromodichloromethane
 Concen: 23.855 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion: 83 Resp: 144171
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.4 82.5
 127 9.4 6.6 10.0

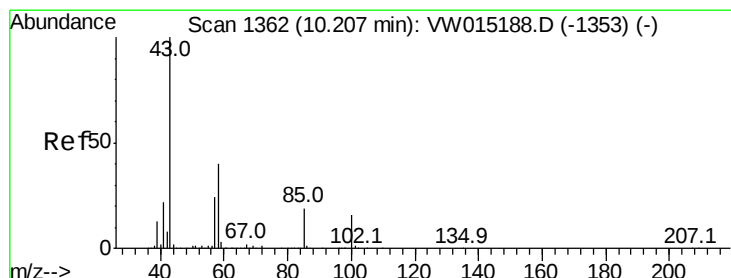
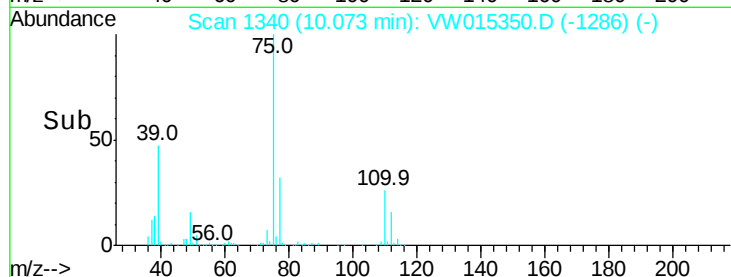
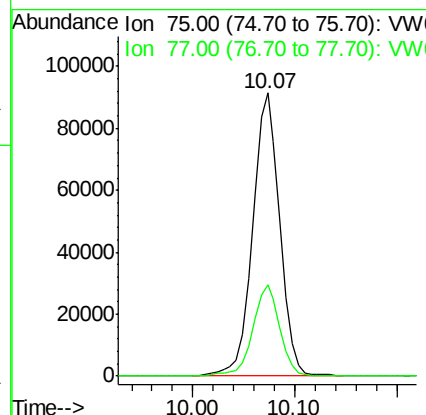
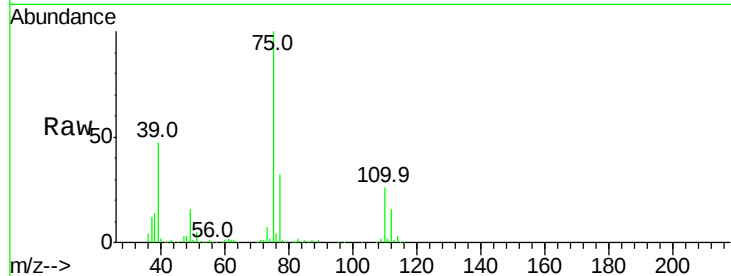




#42
 cis-1,3-Dichloropropene
 Concen: 22.143 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

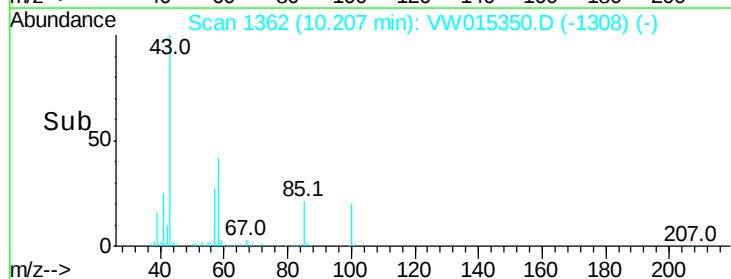
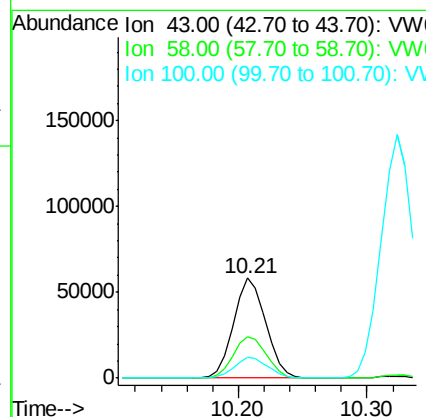
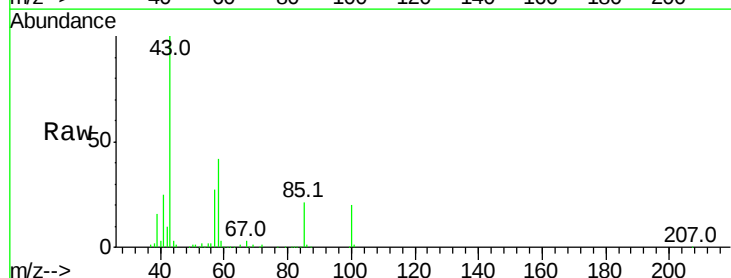
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

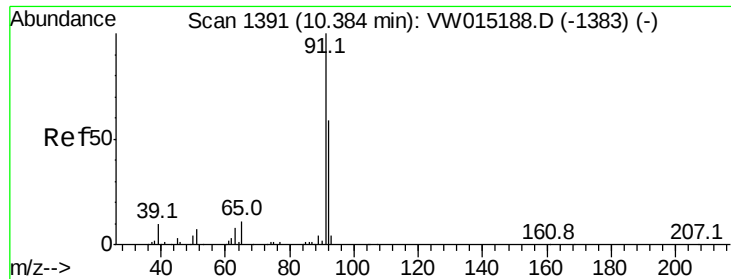
Tgt Ion: 75 Resp: 168624
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.5 43.7



#43
 4-Methyl-2-pentanone
 Concen: 36.032 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion: 43 Resp: 100962
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.5 48.7
 100 21.3 13.0 19.6#





#44

Toluene

Concen: 23.621 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampled :

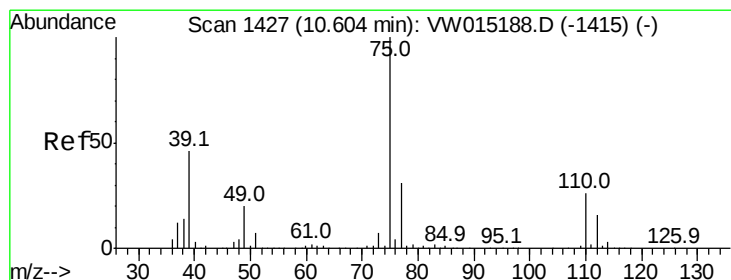
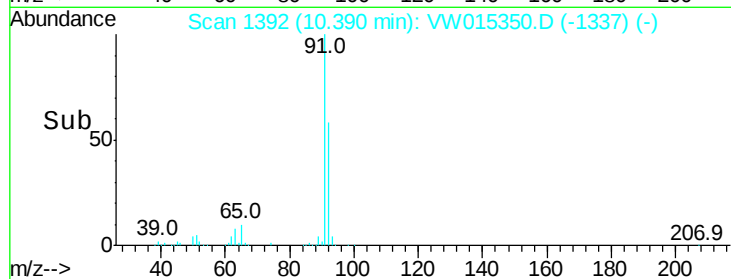
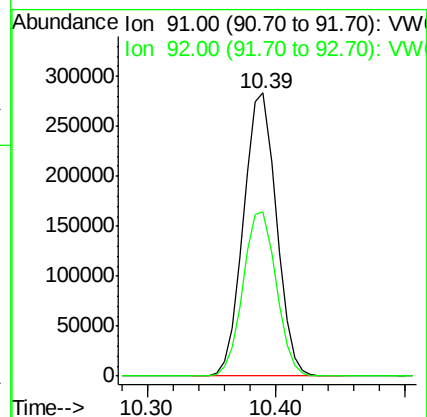
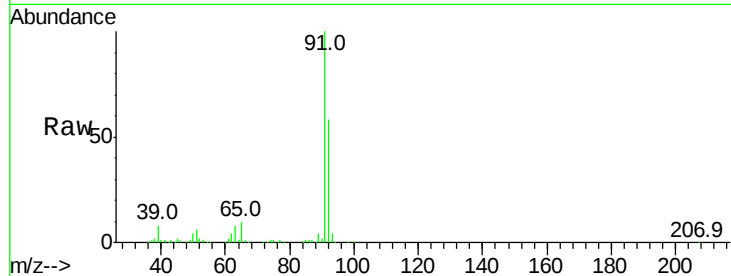
VSTD02502

Tgt Ion: 91 Resp: 500594

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 23.122 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015350.D

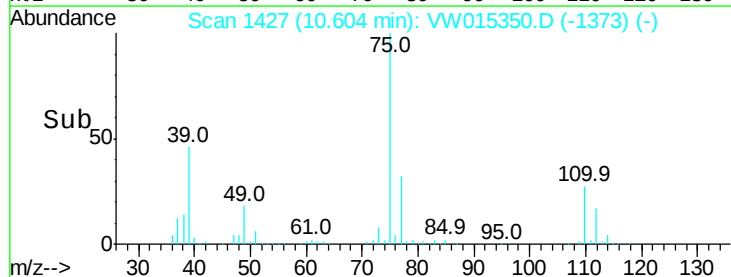
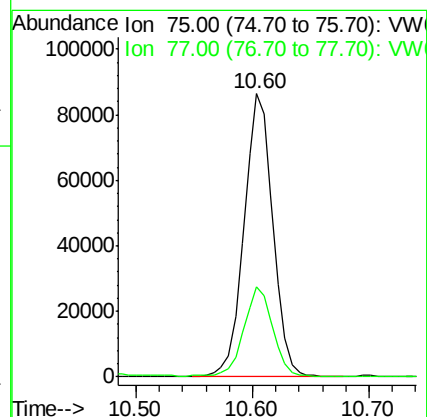
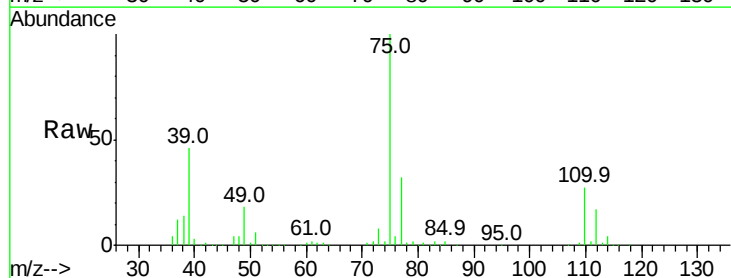
Acq: 27 Apr 2020 10:33

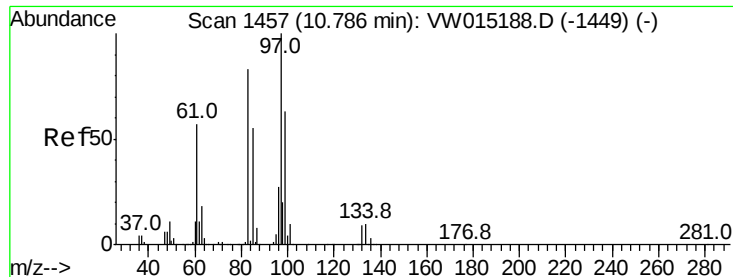
Tgt Ion: 75 Resp: 148951

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 23.381 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 97 Resp: 80101

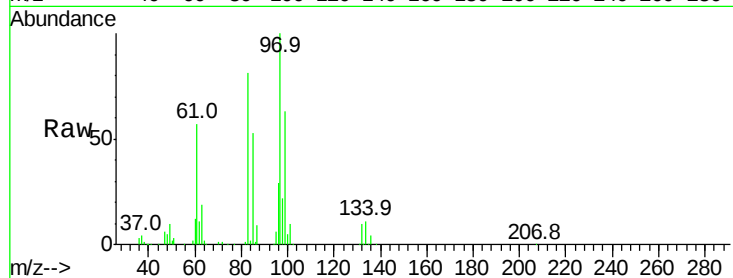
Ion Ratio Lower Upper

97 100

83 81.2 57.9 107.5

85 53.3 38.5 71.5

99 63.2 43.7 81.1

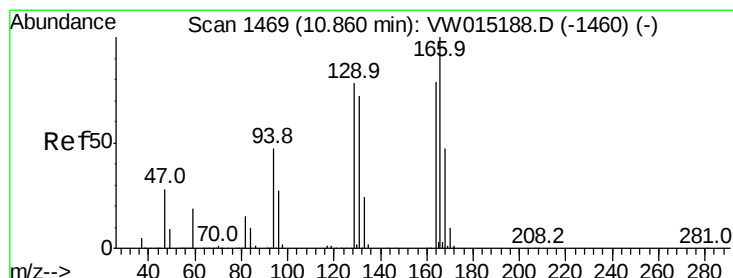
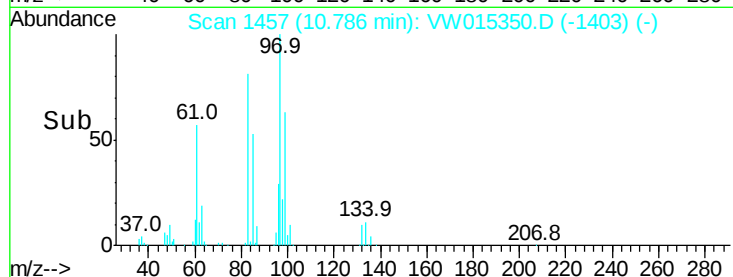
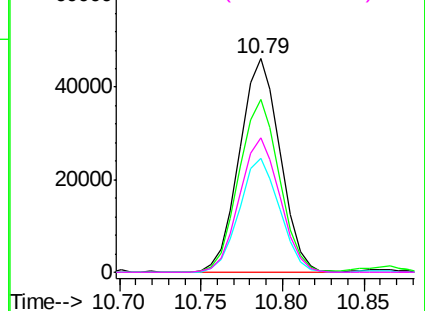


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 28.304 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Tgt Ion: 164 Resp: 111088

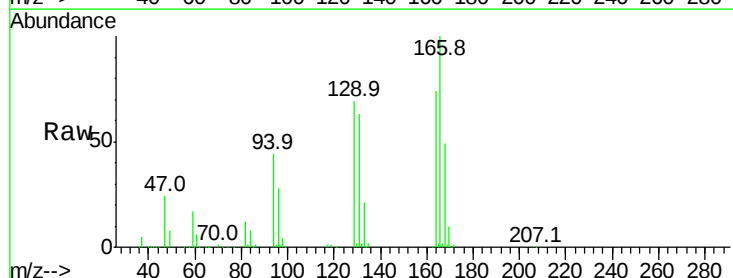
Ion Ratio Lower Upper

164 100

129 93.3 69.4 128.8

131 84.4 63.7 118.3

166 134.6 88.4 164.2

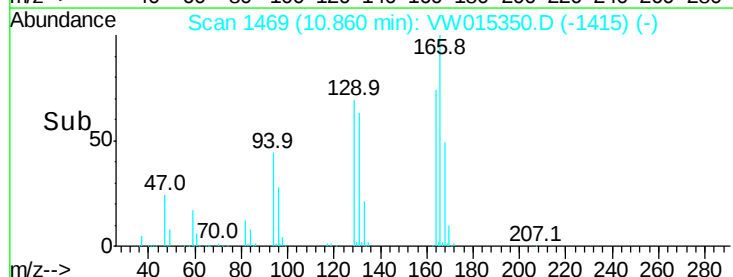
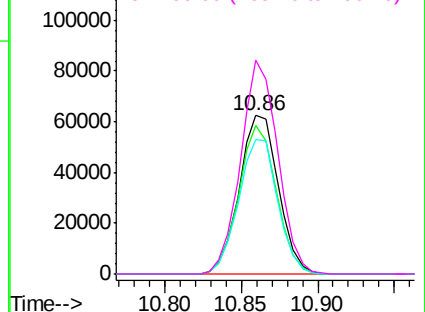


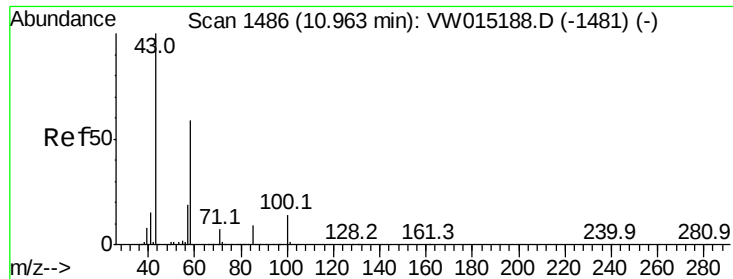
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 40.695 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02502

Tgt Ion: 43 Resp: 75269

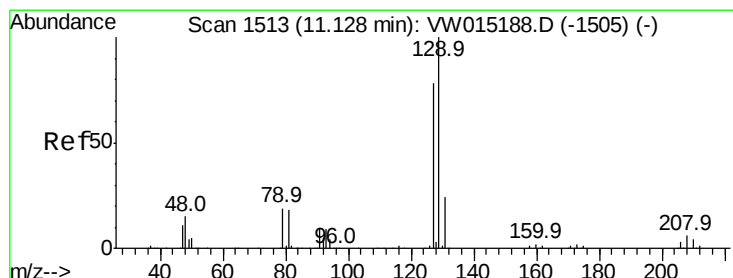
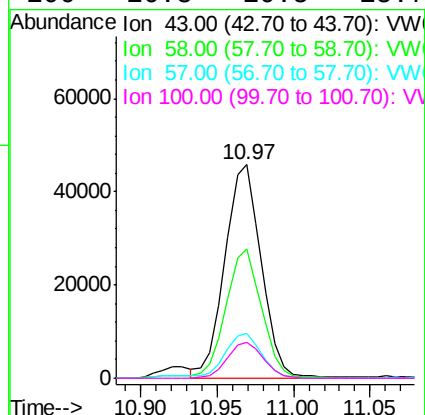
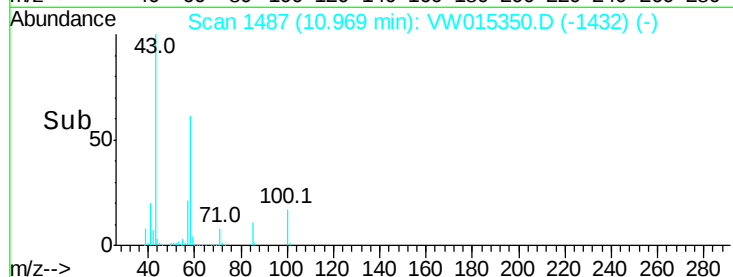
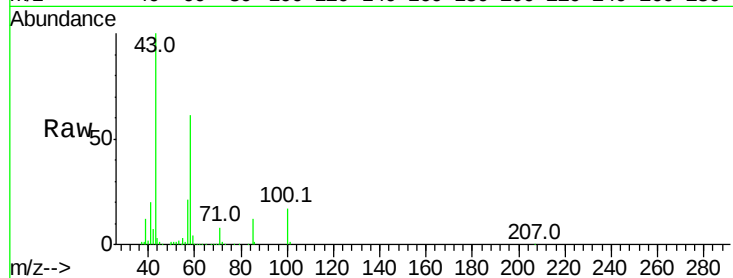
Ion Ratio Lower Upper

43 100

58 59.3 45.8 68.6

57 20.9 15.1 22.7

100 16.8 10.5 15.7#



#50

Dibromochloromethane

Concen: 26.602 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015350.D

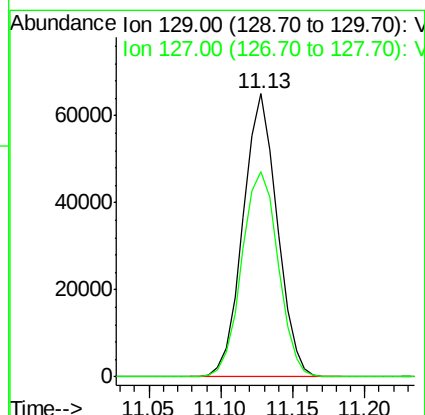
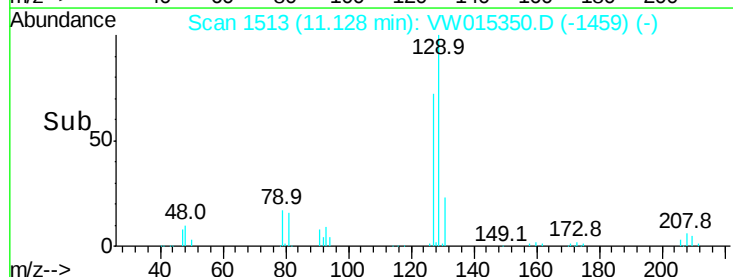
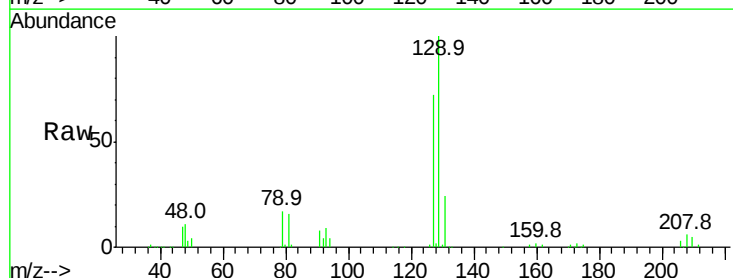
Acq: 27 Apr 2020 10:33

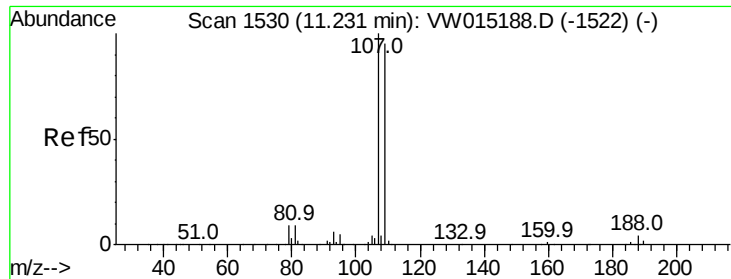
Tgt Ion: 129 Resp: 107216

Ion Ratio Lower Upper

129 100

127 72.4 54.3 100.9

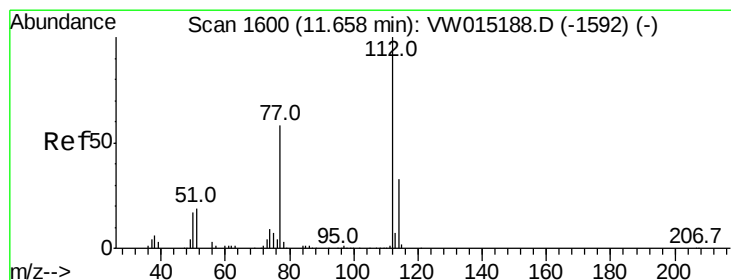
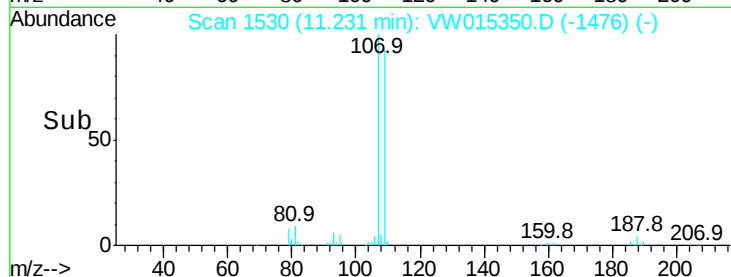
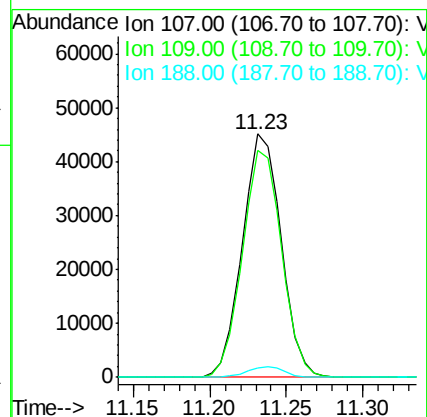
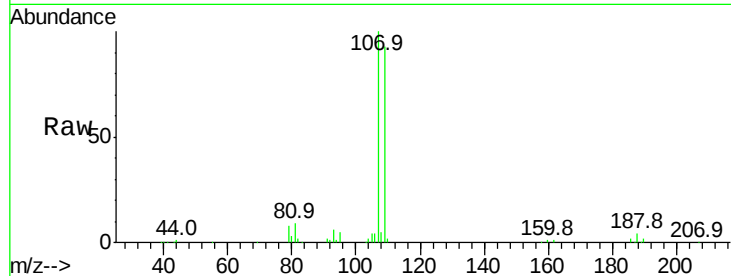




#51
 1,2-Dibromoethane
 Concen: 24.765 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

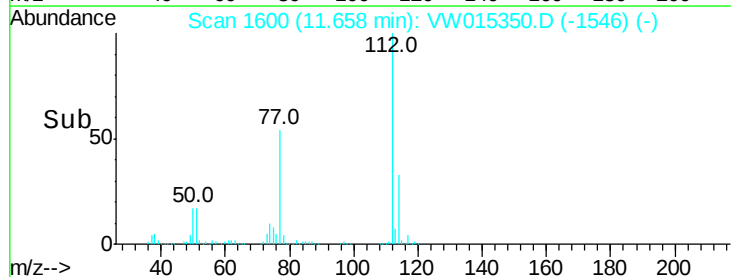
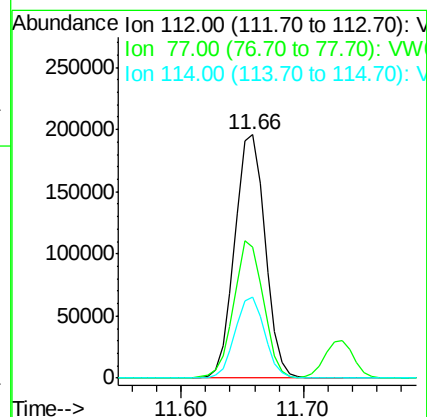
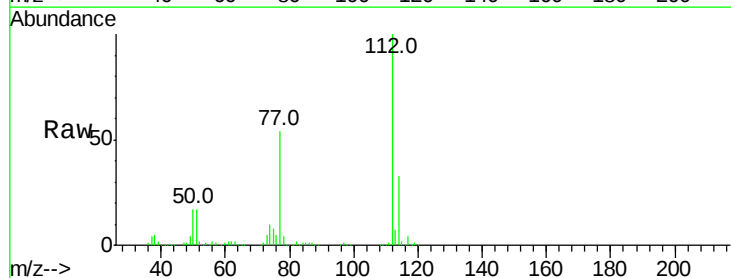
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

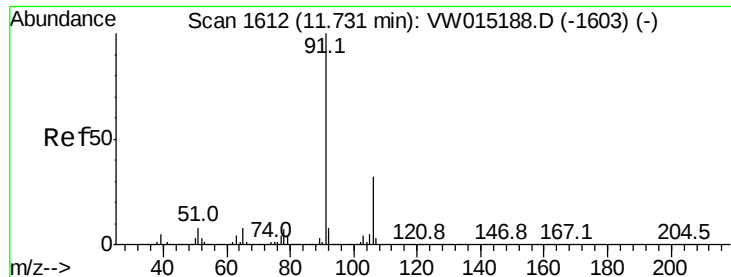
Tgt Ion:107 Resp: 79731
 Ion Ratio Lower Upper
 107 100
 109 93.3 66.8 124.2
 188 3.9 3.0 4.6



#52
 Chlorobenzene
 Concen: 25.713 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion:112 Resp: 336264
 Ion Ratio Lower Upper
 112 100
 77 53.8 46.2 69.4
 114 33.3 22.7 42.3

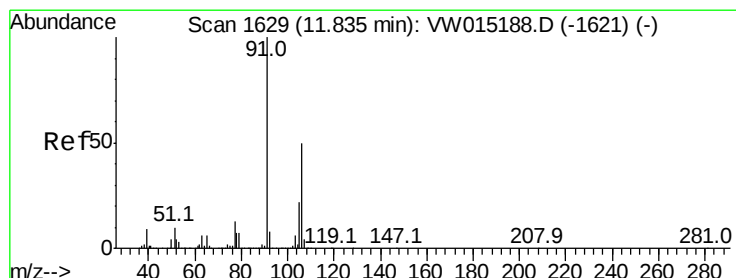
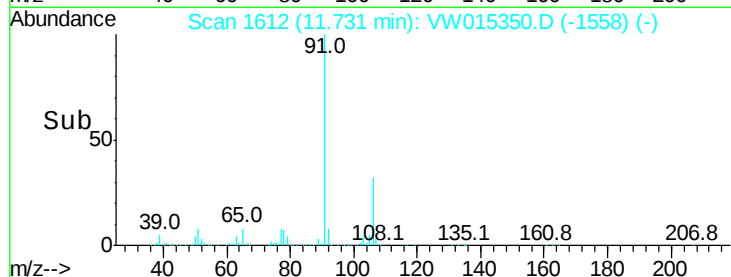
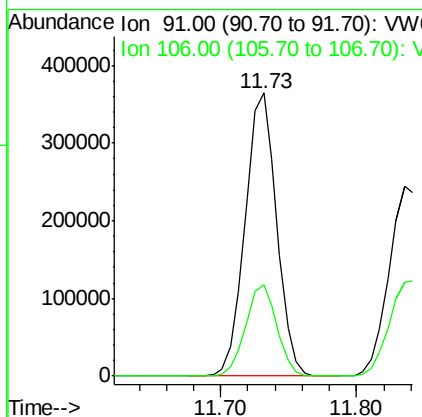
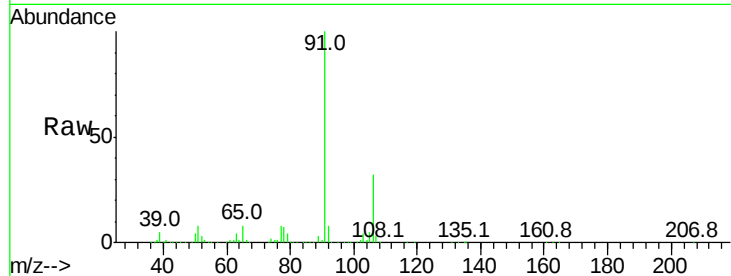




#53
Ethylbenzene
Concen: 24.855 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

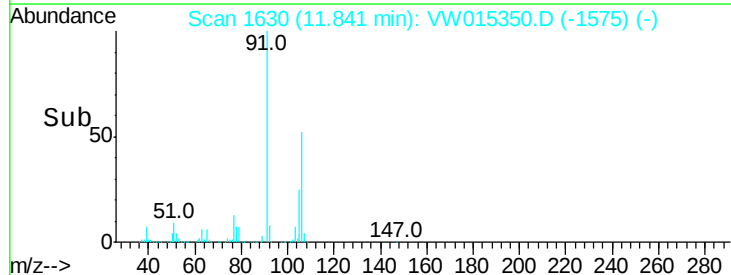
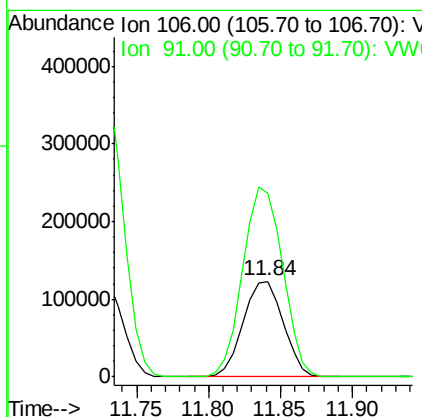
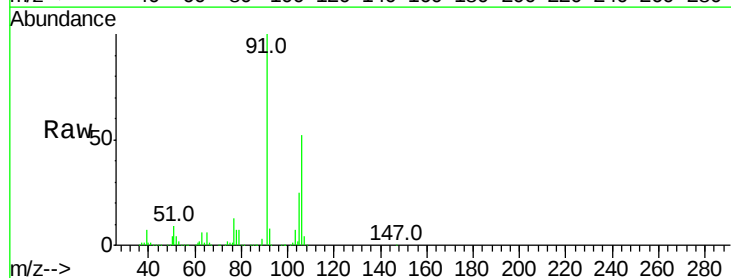
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

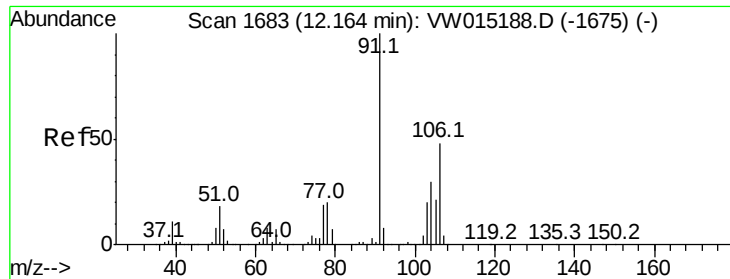
Tgt Ion: 91 Resp: 590564
Ion Ratio Lower Upper
91 100
106 32.2 22.4 41.6



#54
m,p-Xylene
Concen: 25.879 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion: 106 Resp: 236721
Ion Ratio Lower Upper
106 100
91 191.9 141.0 261.8

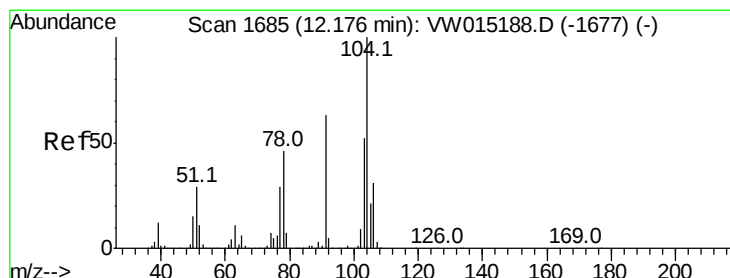
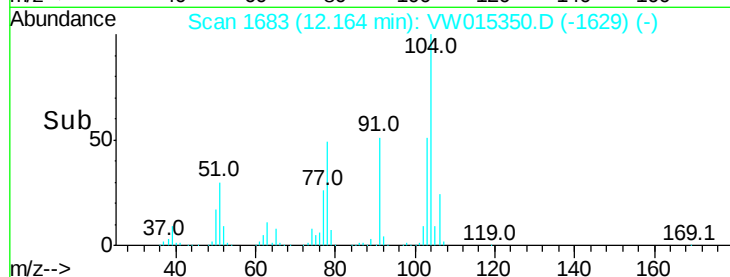
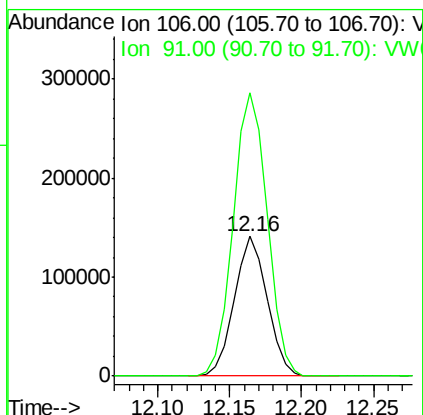
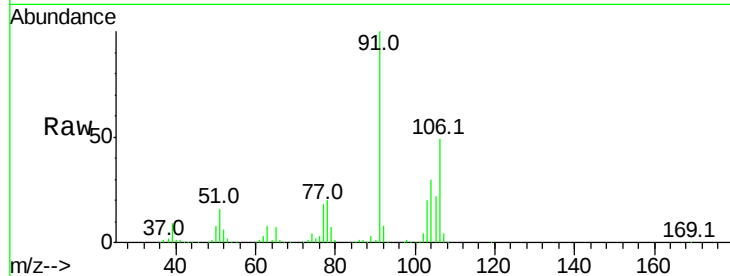




#55
o-xylene
Concen: 25.533 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

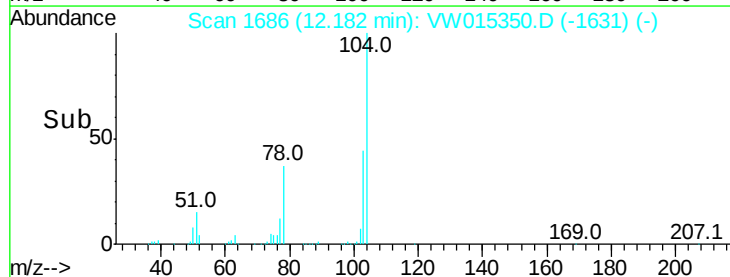
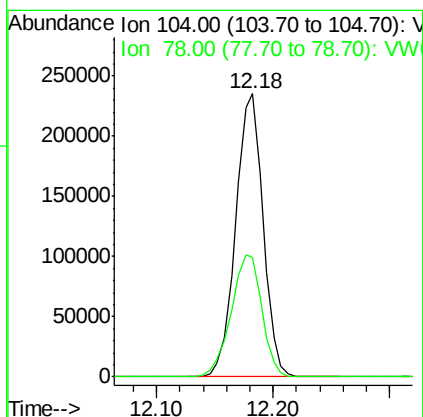
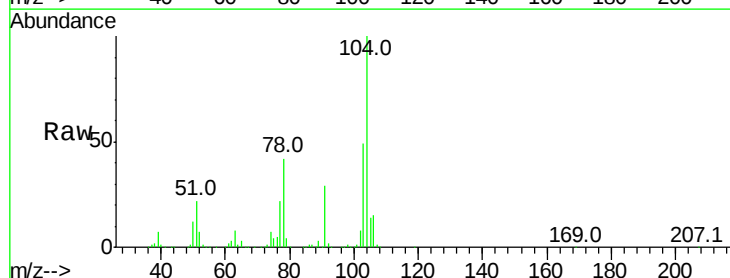
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

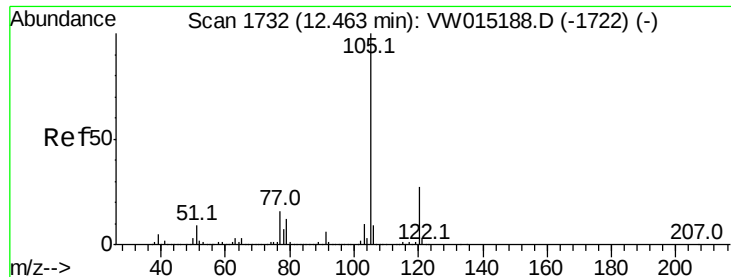
Tgt Ion:106 Resp: 223637
Ion Ratio Lower Upper
106 100
91 202.9 145.7 270.5



#56
Styrene
Concen: 26.332 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW015350.D
Acq: 27 Apr 2020 10:33

Tgt Ion:104 Resp: 385355
Ion Ratio Lower Upper
104 100
78 42.1 32.3 59.9





#57

Isopropylbenzene

Concen: 26.745 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

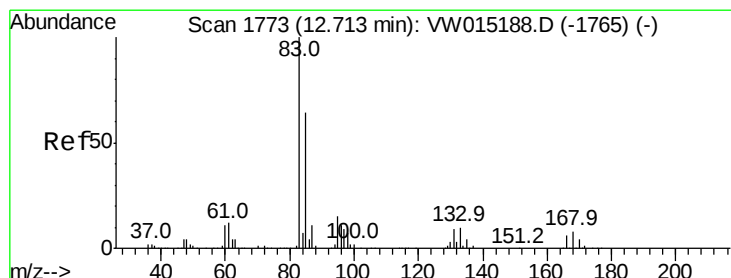
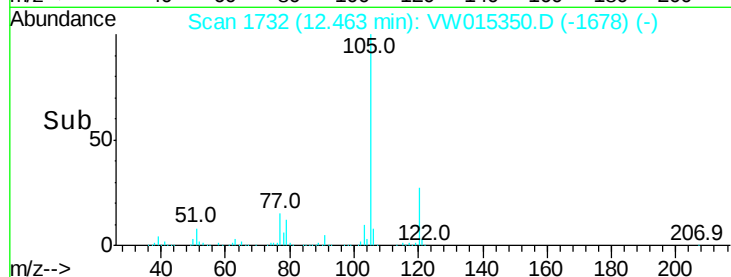
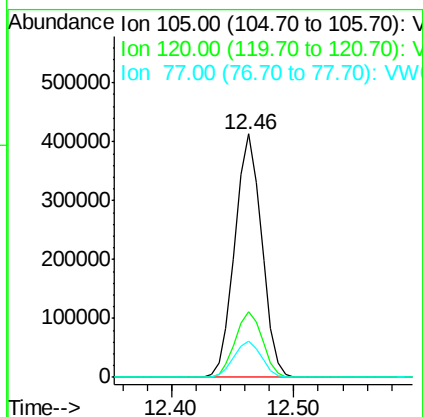
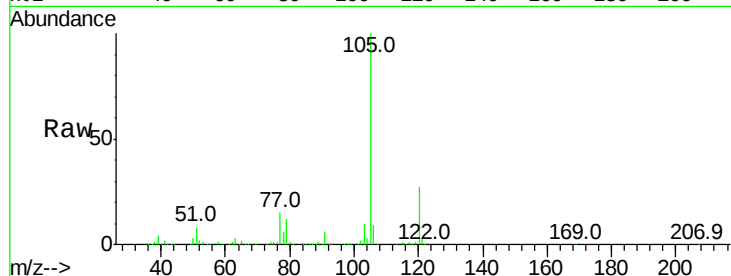
Instrument :

MSVOA_W

ClientSampled :

VSTD02502

Tgt Ion:	105	Resp:	629301
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.4	32.2
77	15.1	12.4	18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 22.730 ug/L

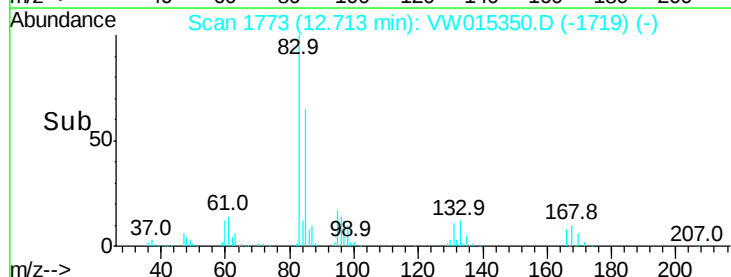
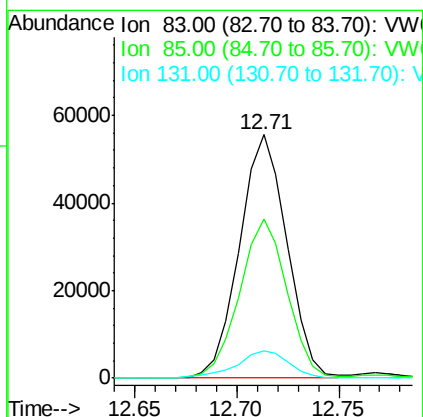
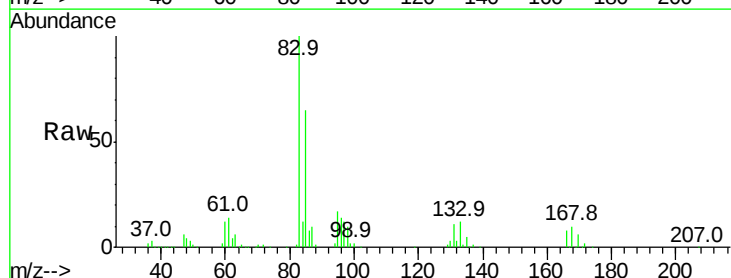
RT: 12.71 min Scan# 1773

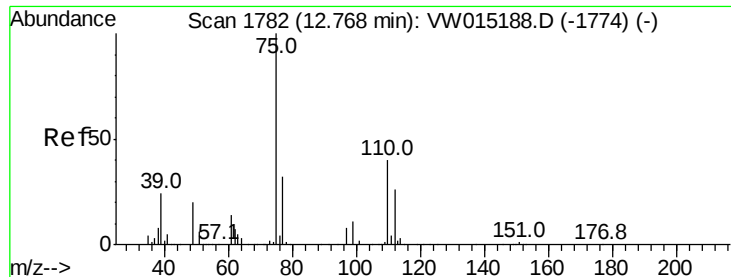
Delta R.T. 0.00 min

Lab File: VW015350.D

Acq: 27 Apr 2020 10:33

Tgt Ion:	83	Resp:	89326
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.7	83.1
131	11.0	7.0	10.6#

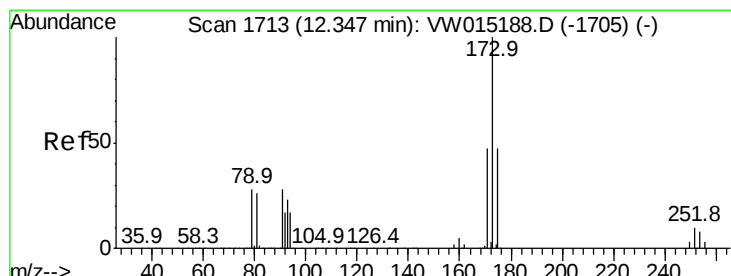
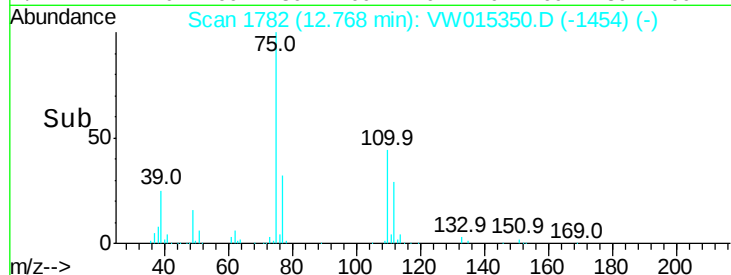
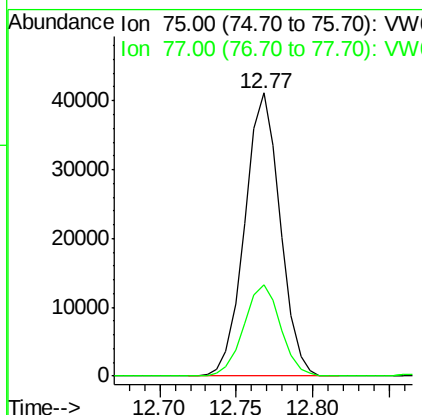
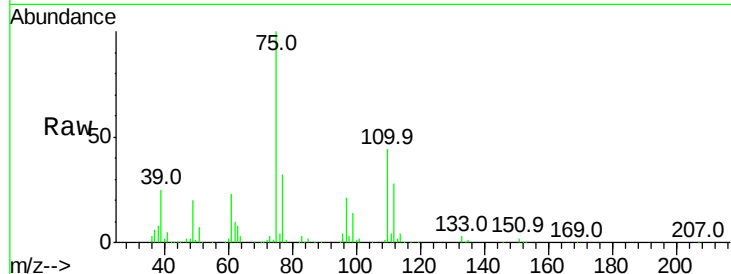




#59
 1,2,3-Trichloropropane
 Concen: 22.916 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

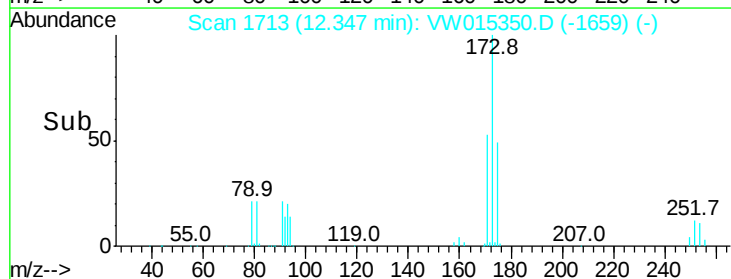
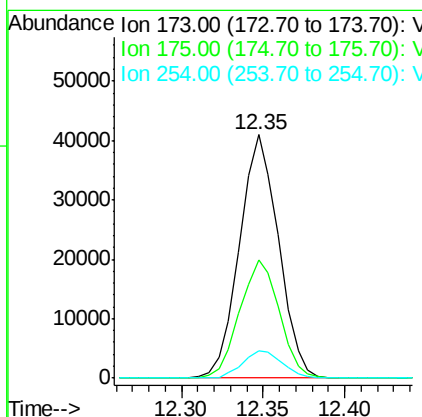
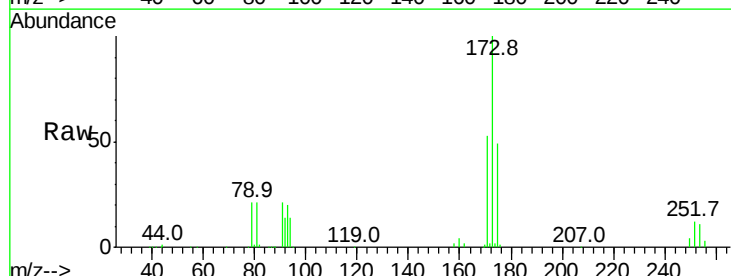
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

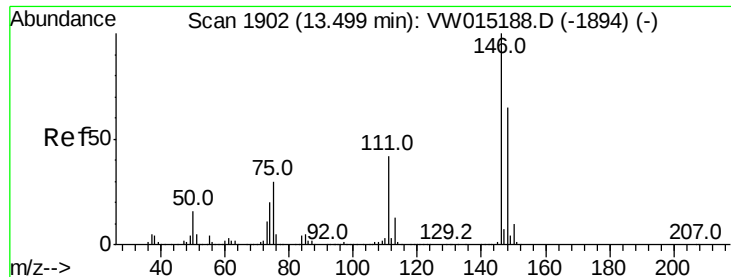
Tgt Ion: 75 Resp: 66243
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.3 39.5



#62
 Bromoform
 Concen: 24.670 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion: 173 Resp: 68458
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.4 57.6
 254 11.3 7.3 10.9#

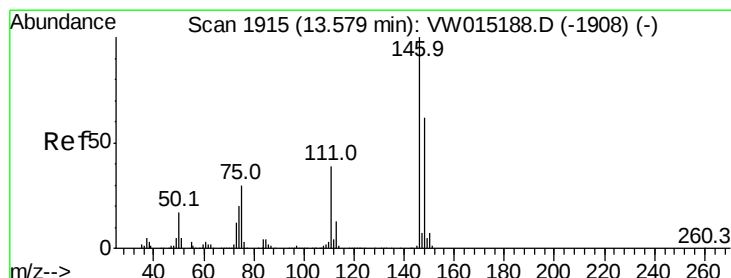
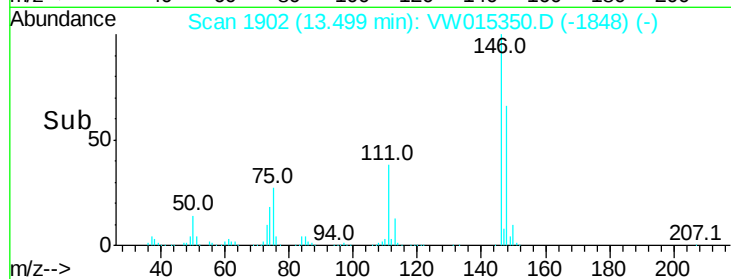
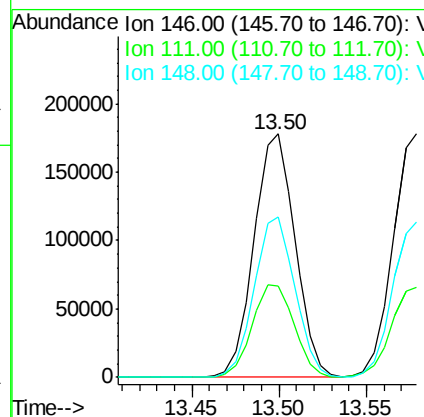
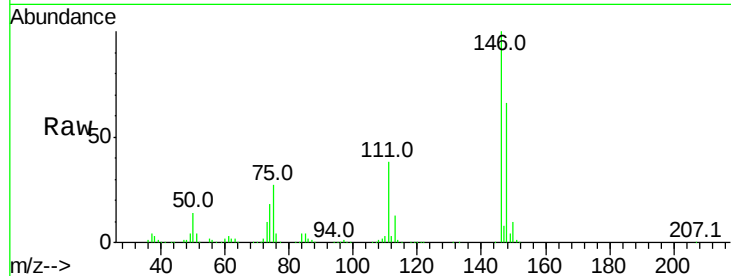




#63
 1,3-Dichlorobenzene
 Concen: 24.680 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

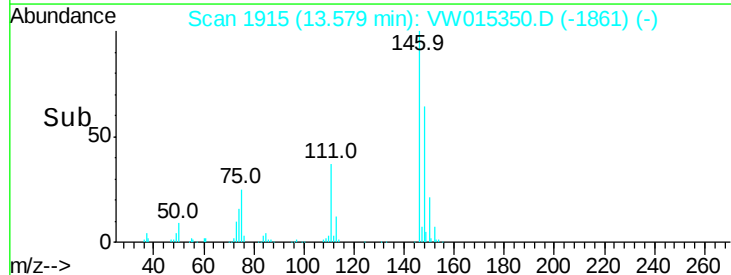
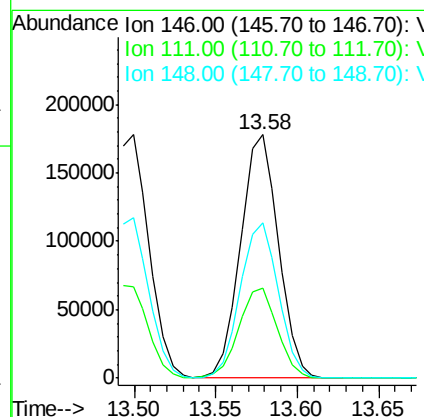
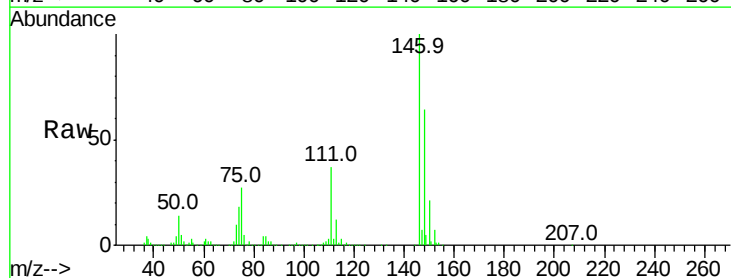
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

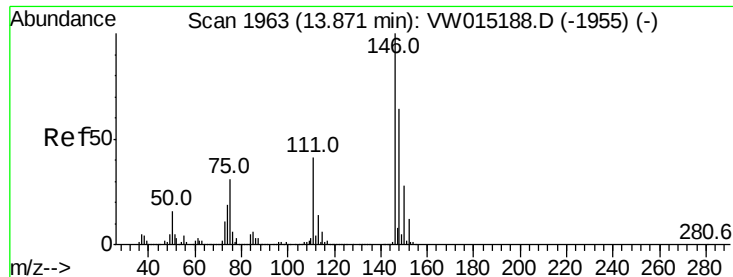
Tgt Ion:146 Resp: 290759
 Ion Ratio Lower Upper
 146 100
 111 37.7 29.3 54.3
 148 65.8 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 25.009 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion:146 Resp: 288076
 Ion Ratio Lower Upper
 146 100
 111 37.2 27.6 51.2
 148 63.9 43.6 81.0

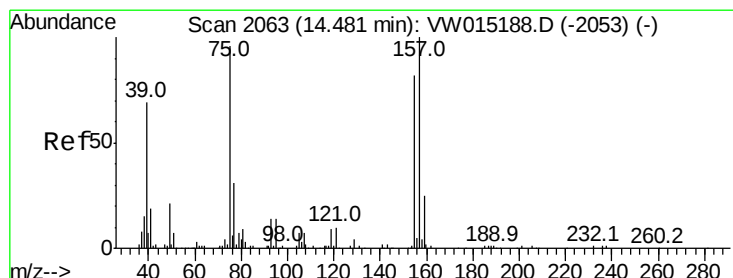
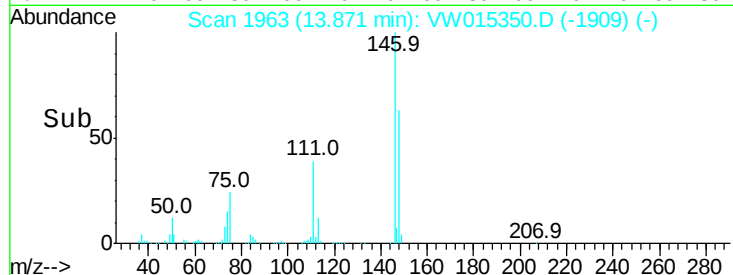
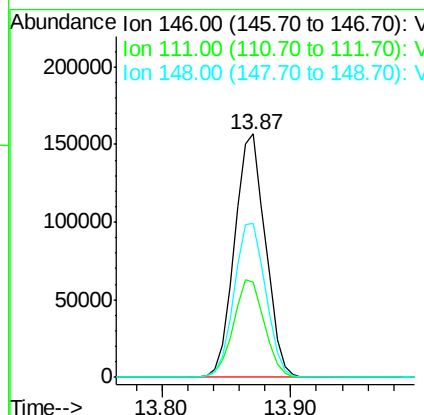
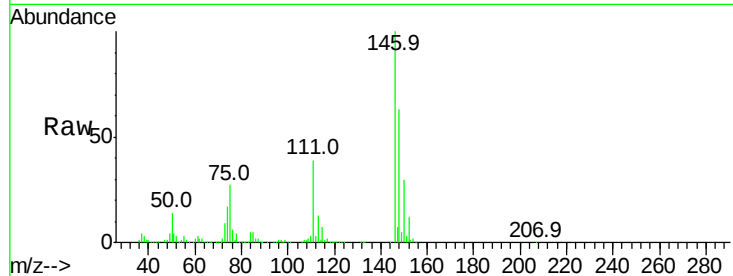




#65
 1,2-Dichlorobenzene
 Concen: 24.965 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

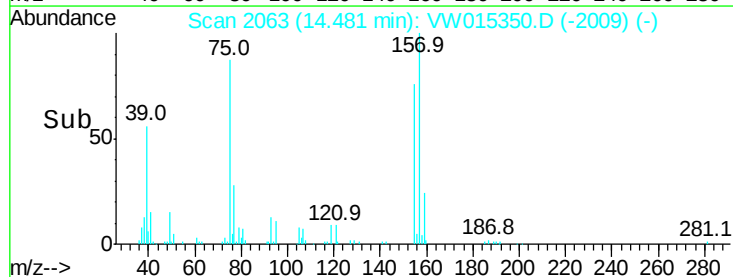
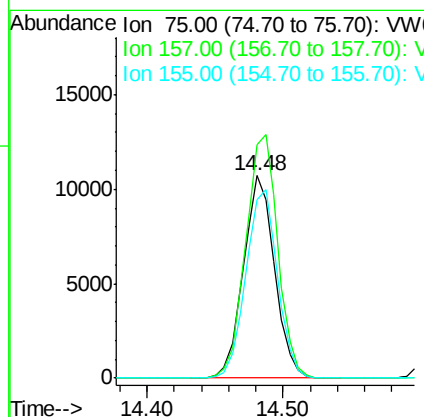
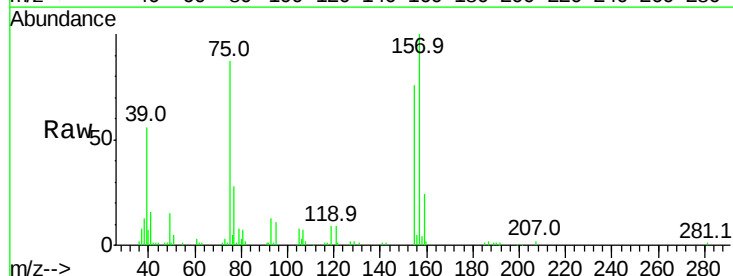
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

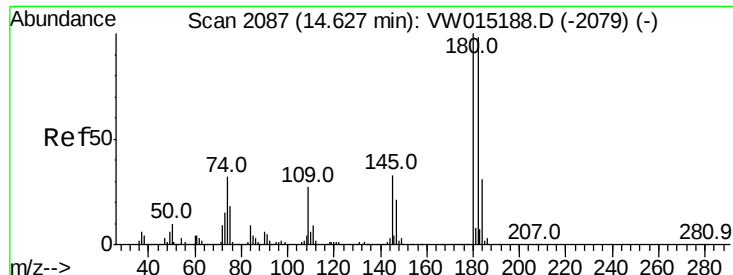
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	33.0	49.4
148	63.4	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.485 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
157	115.4	83.4	125.2
155	88.0	68.7	103.1

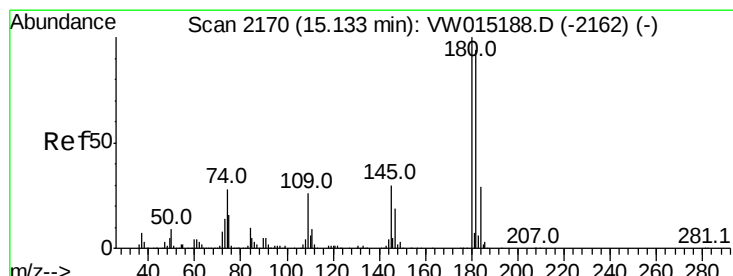
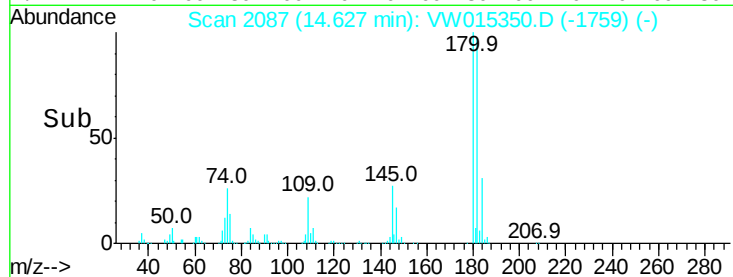
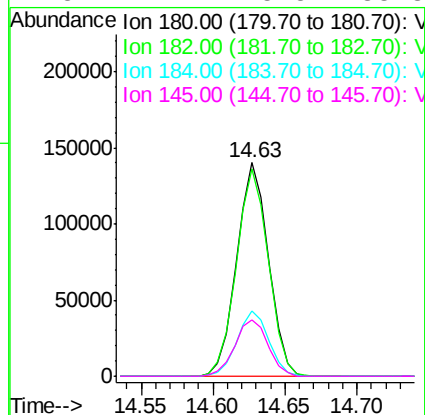
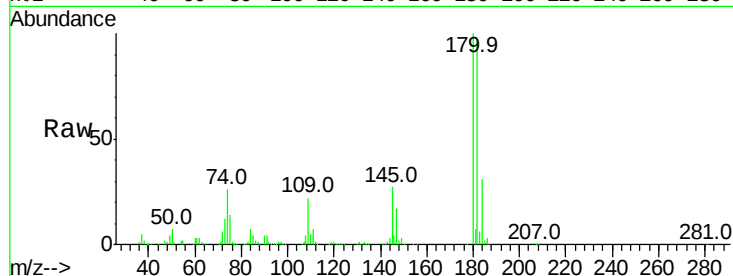




#67
 1,3,5-Trichlorobenzene
 Concen: 26.799 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion:	180	Resp:	215515
Ion Ratio	Lower	Upper	
180	100		
182	97.6	78.0	117.0
184	30.6	24.1	36.1
145	27.7	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 26.368 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015350.D
 Acq: 27 Apr 2020 10:33

Tgt Ion:	180	Resp:	174386
Ion Ratio	Lower	Upper	
180	100		
182	97.4	74.6	111.8
145	29.4	25.4	38.2

