

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061920\
 Data File : VW015641.D
 Acq On : 19 Jun 2020 17:07
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 20 00:46:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 00:44:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	303289	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	286136	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	51902	18.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.68%
7) Chloroethane-d5	2.90	69	66905	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
10) 1,1-Dichloroethene-d2	4.02	63	146631	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.60%
20) 2-Butanone-d5	7.09	46	48540	53.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.98%
24) Chloroform-d	7.65	84	173841	24.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	8.31	65	97602	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.27	84	311595	22.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.80%
33) 1,2-Dichloropropane-d6	9.27	67	98598	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.48%
37) Toluene-d8	10.32	98	302664	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	10.58	79	39914	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.92%
39) 2-Hexanone-d5	10.93	63	39510	53.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88747	27.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	111978	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	60643	22.633	ug/L 98
3) Chloromethane	2.21	50	65949	22.359	ug/L 98
5) Vinyl chloride	2.37	62	114925	25.909	ug/L 99
6) Bromomethane	2.79	94	77212	26.782	ug/L 100
8) Chloroethane	2.93	64	73284	27.141	ug/L 95
9) Trichlorofluoromethane	3.26	101	94469	29.927	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	99257	26.512	ug/L 97
12) 1,1-Dichloroethene	4.04	96	91684	25.352	ug/L 91
13) Acetone	4.15	43	41430	59.059	ug/L 98
14) Carbon disulfide	4.39	76	255713	21.195	ug/L 99
15) Methyl Acetate	4.68	43	40755	26.853	ug/L 99
16) Methylene chloride	4.92	84	99553	26.745	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	147702	25.737	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	99942	25.787	ug/L 99
19) 1,1-Dichloroethane	6.21	63	184784	26.508	ug/L 97
21) 2-Butanone	7.18	43	54832	50.882	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	107851	26.676	ug/L 99

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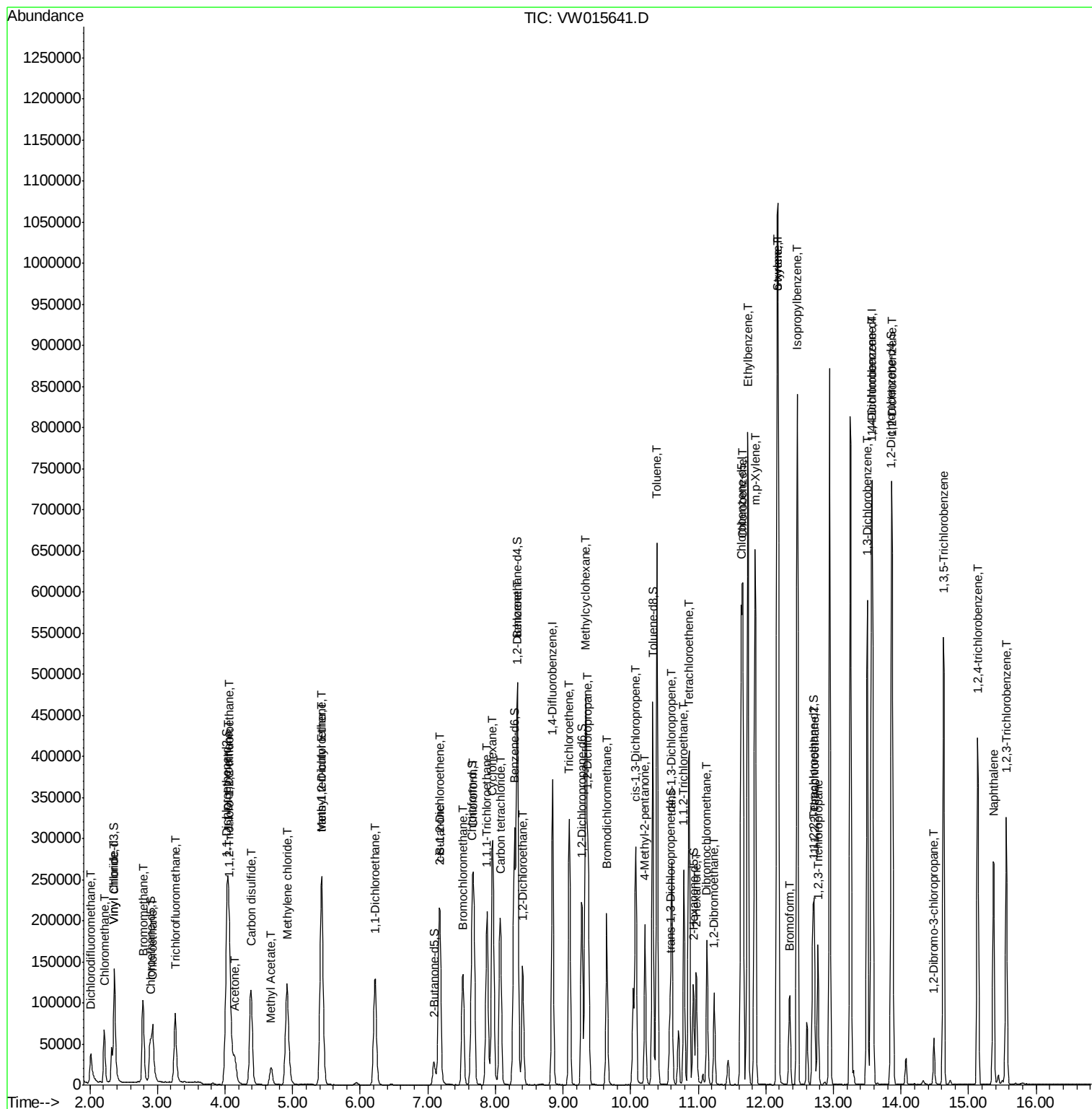
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47413	27.195	ug/L	98
25) Chloroform	7.68	83	192901	27.482	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132193	27.839	ug/L	98
30) Cyclohexane	7.96	56	167305	23.654	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	168892	26.384	ug/L	99
32) Carbon tetrachloride	8.07	117	152747	26.016	ug/L	99
34) Benzene	8.32	78	412998	25.810	ug/L	100
35) Trichloroethene	9.09	95	110690	25.752	ug/L	99
36) Methylcyclohexane	9.34	83	192091	25.058	ug/L	99
40) 1,2-Dichloropropane	9.37	63	103996	26.391	ug/L	100
41) Bromodichloromethane	9.65	83	135639	25.766	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	159752	25.334	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	121245	52.489	ug/L	100
44) Toluene	10.39	91	466016	26.731	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	141924	25.862	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	77368	28.064	ug/L	98
47) Tetrachloroethene	10.87	164	92312	27.093	ug/L	95
49) 2-Hexanone	10.97	43	85225	54.661	ug/L	99
50) Dibromochloromethane	11.13	129	89270	26.652	ug/L	99
51) 1,2-Dibromoethane	11.24	107	73068	27.608	ug/L	98
52) Chlorobenzene	11.66	112	296881	27.149	ug/L	99
53) Ethylbenzene	11.73	91	536034	26.777	ug/L	100
54) m,p-Xylene	11.84	106	200554	26.699	ug/L	94
55) o-xylene	12.17	106	192998	27.068	ug/L	98
56) Styrene	12.18	104	327095	26.848	ug/L	98
57) Isopropylbenzene	12.46	105	538377	27.106	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	91651	28.716	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	69196	28.593	ug/L	100
62) Bromoform	12.35	173	49009	24.783	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	230502	26.540	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	228710	26.876	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	205495	27.228	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	14181	24.769	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	163544	27.199	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	129501	26.741	ug/L	99
69) Naphthalene	15.37	128	233048	26.503	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	111552	27.076	ug/L	99

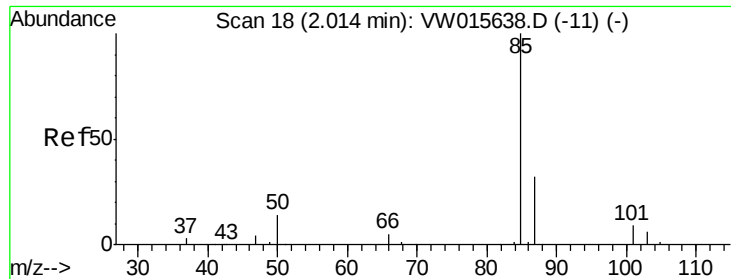
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.633 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

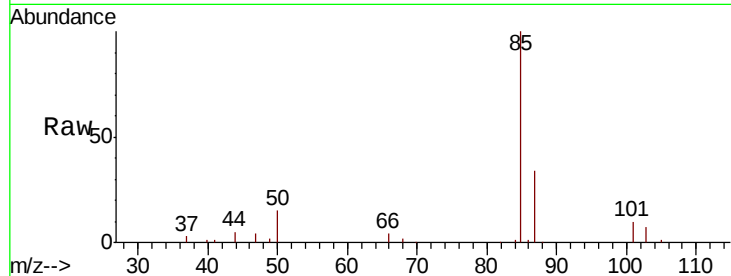
ClientSampleId :

Tot Ion: 85 Resp: 60643

Ion Ratio Lower Upper

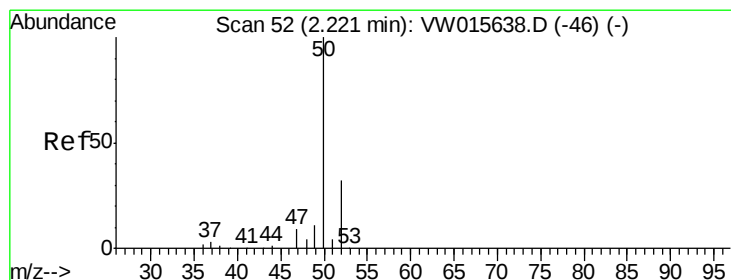
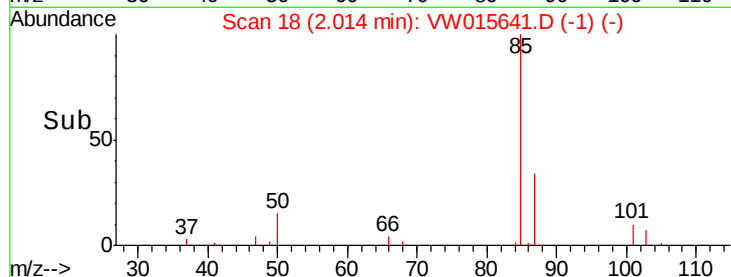
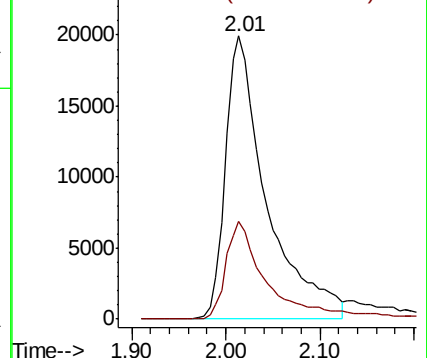
85 100

87 31.0 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.359 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015641.D

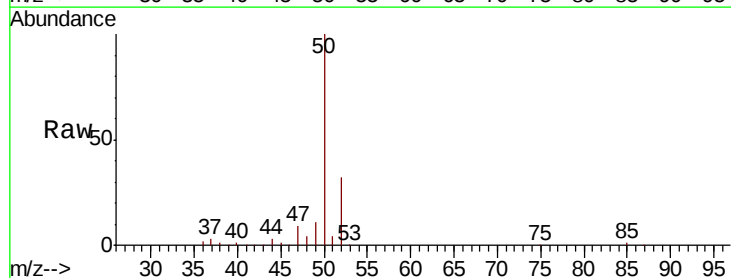
Acq: 19 Jun 2020 17:07

Tgt Ion: 50 Resp: 65949

Ion Ratio Lower Upper

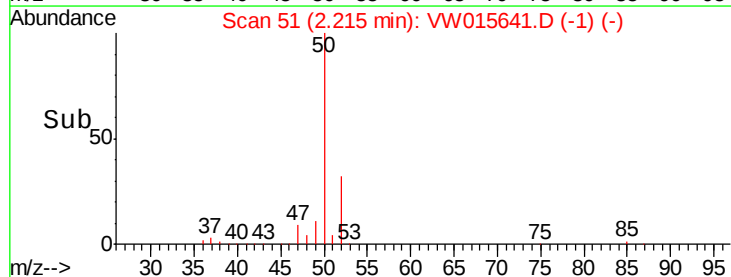
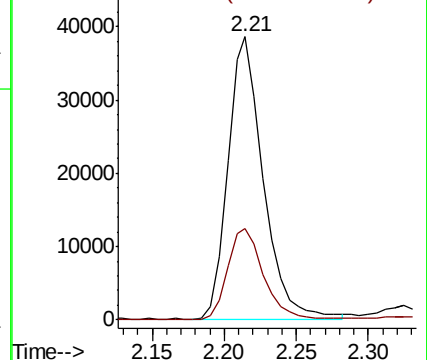
50 100

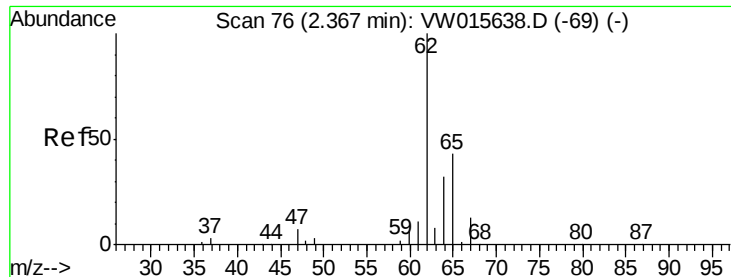
52 32.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.909 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

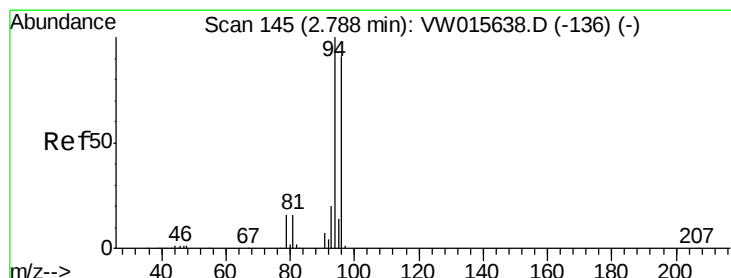
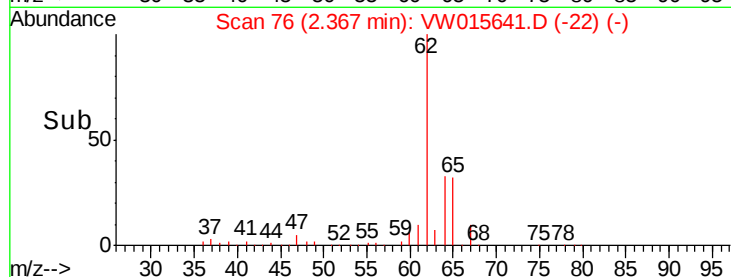
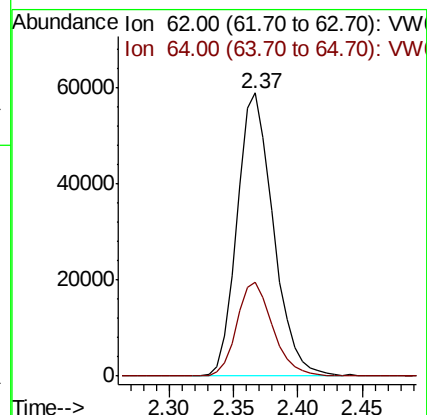
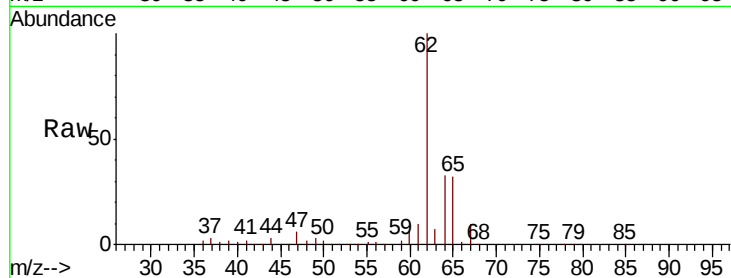
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 114925

Ion Ratio Lower Upper

62 100

64 33.0 22.6 42.0



#6

Bromomethane

Concen: 26.782 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015641.D

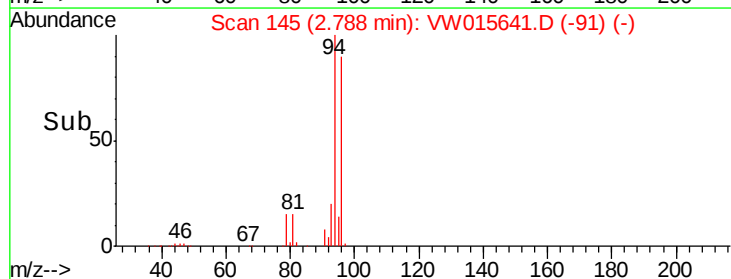
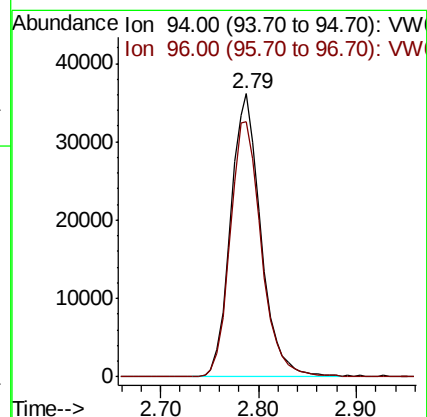
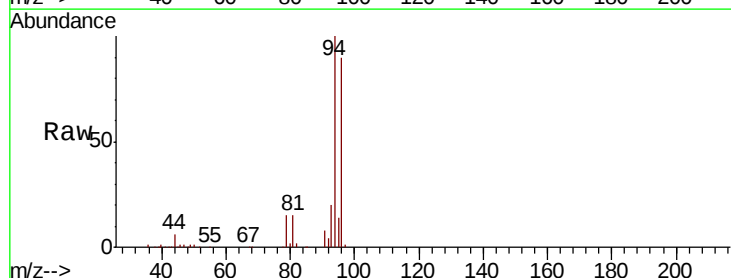
Acq: 19 Jun 2020 17:07

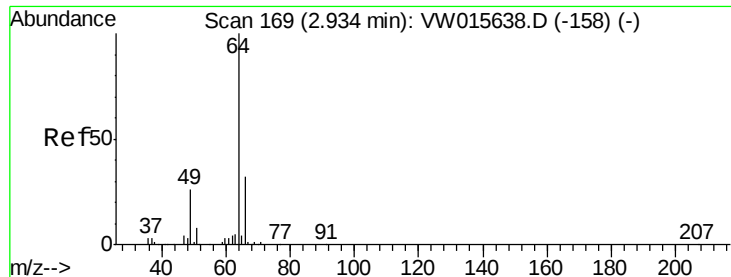
Tgt Ion: 94 Resp: 77212

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.5





#8

Chloroethane

Concen: 27.141 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

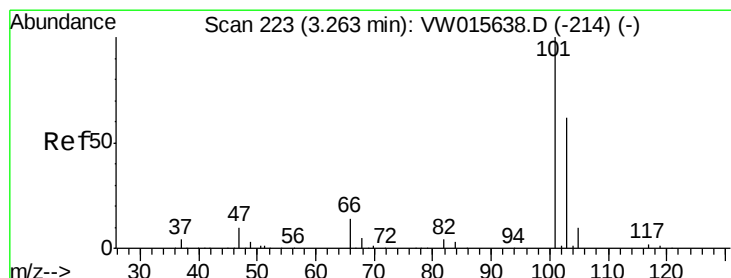
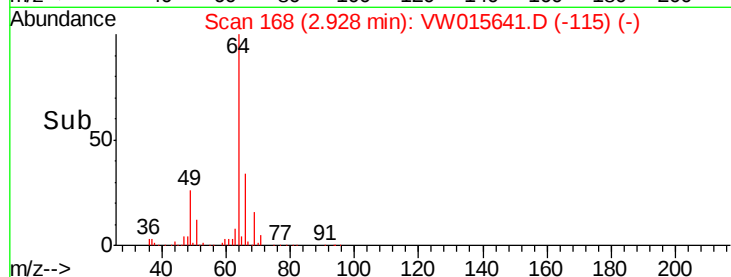
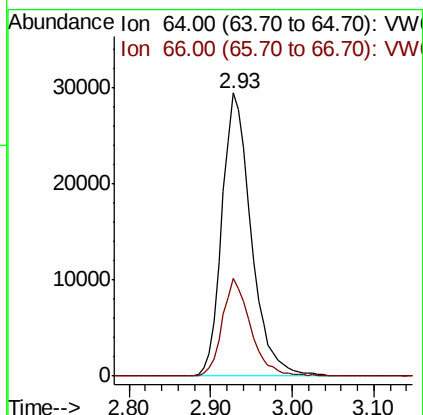
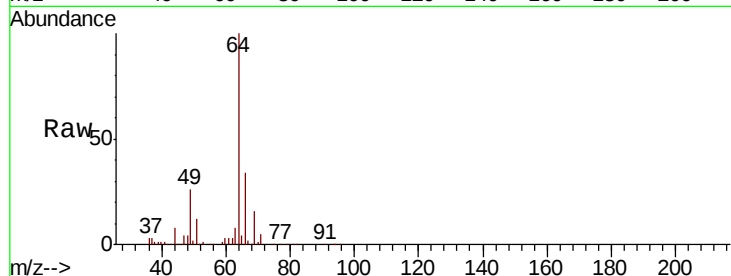
ClientSampleId :

Tot Ion: 64 Resp: 73284

Ion Ratio Lower Upper

64 100

66 34.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 29.927 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015641.D

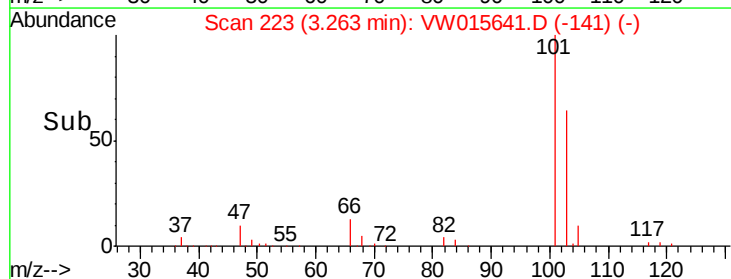
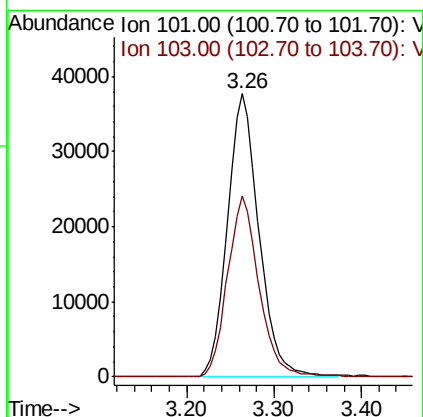
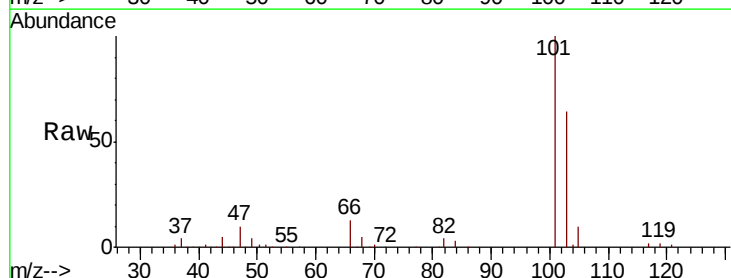
Acq: 19 Jun 2020 17:07

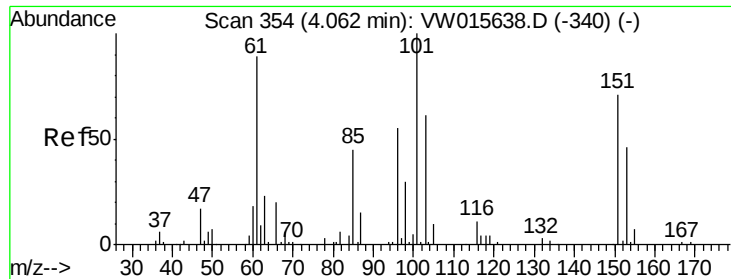
Tgt Ion: 101 Resp: 94469

Ion Ratio Lower Upper

101 100

103 63.1 46.6 86.6





#11

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

Concen: 26.512 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

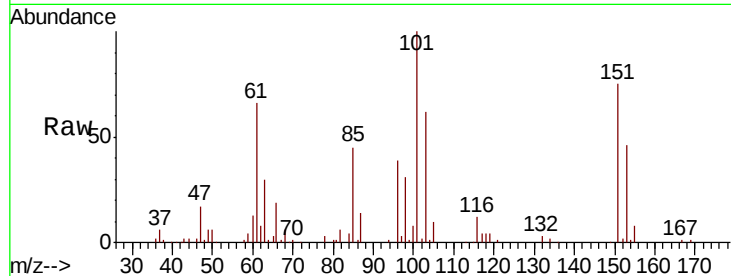
Tot Ion:101 Resp: 99257

Ion Ratio Lower Upper

101 100

85 44.7 35.1 52.7

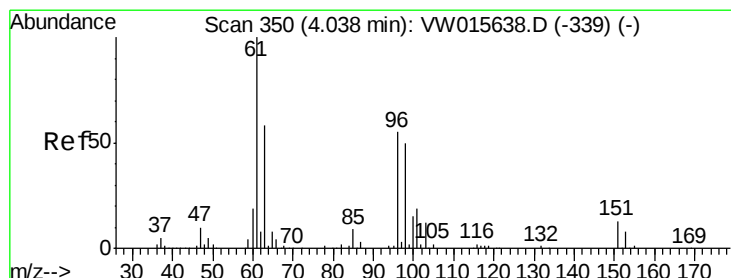
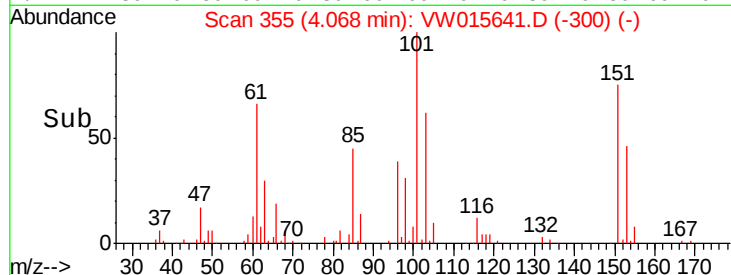
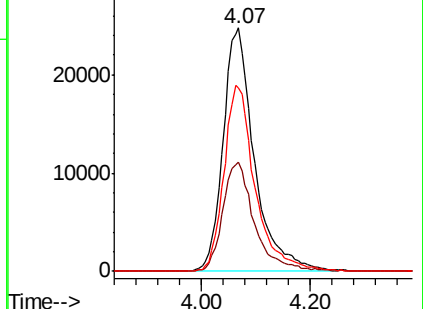
151 76.2 58.6 87.8



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: 25.352 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

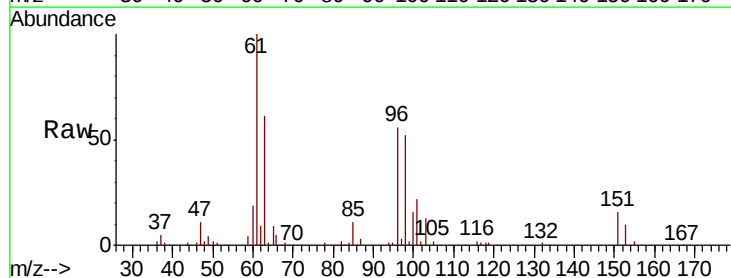
Tgt Ion: 96 Resp: 91684

Ion Ratio Lower Upper

96 100

61 179.9 127.7 237.1

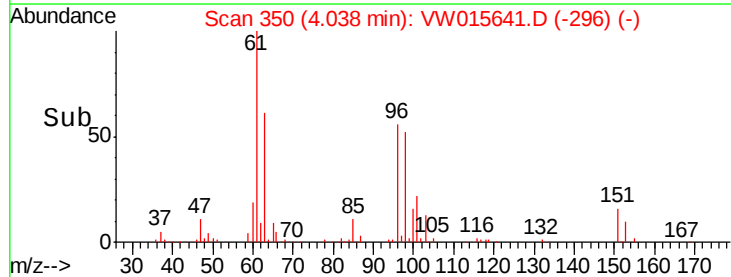
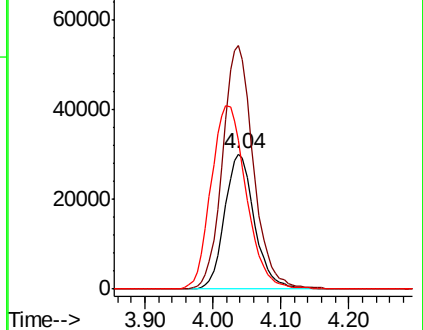
63 110.0 92.3 171.5

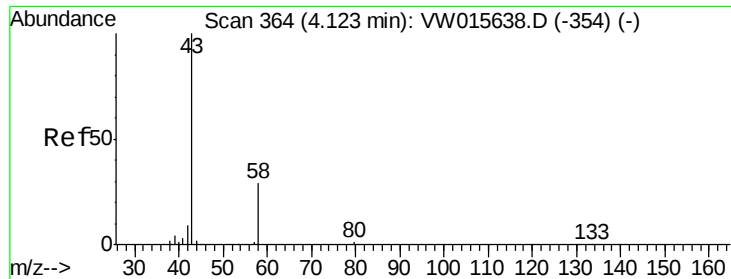


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.059 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

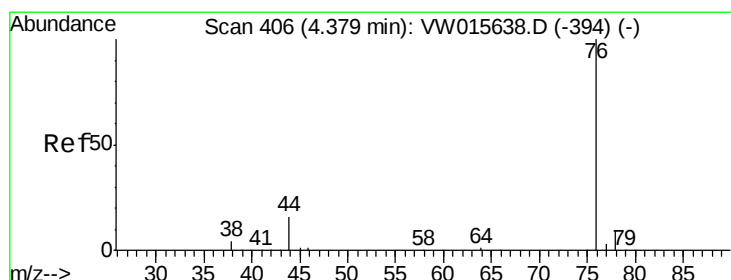
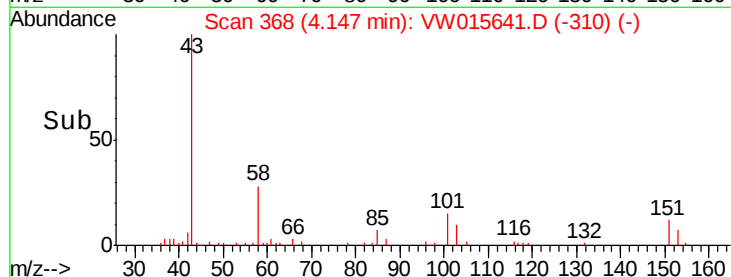
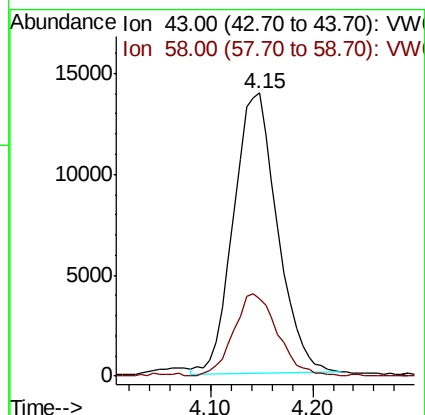
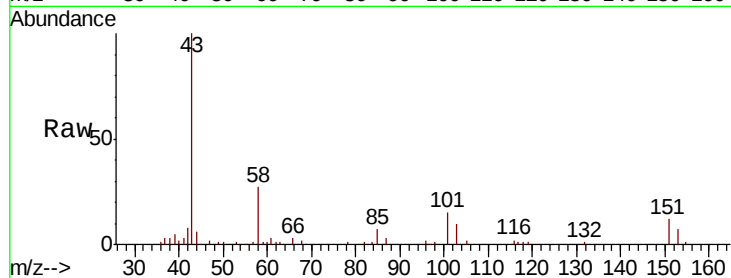
ClientSampleId :

Tot Ion: 43 Resp: 41430

Ion Ratio Lower Upper

43 100

58 29.7 0.0 56.8



#14

Carbon disulfide

Concen: 21.195 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015641.D

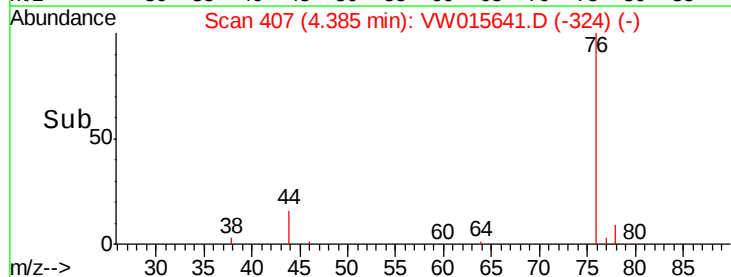
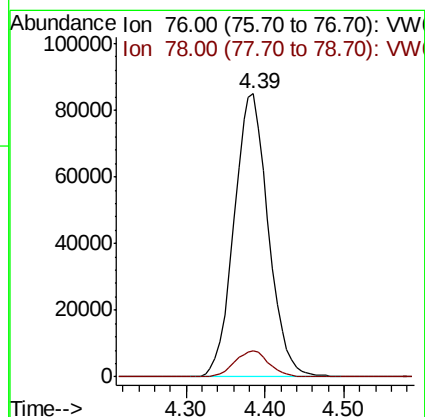
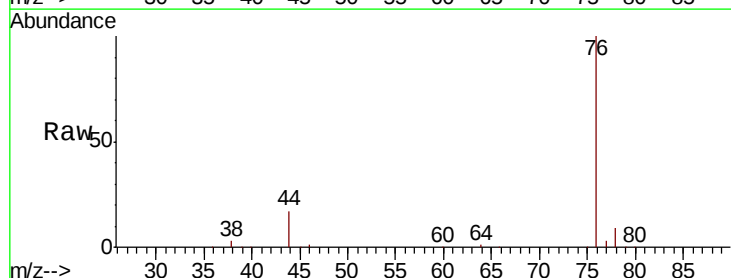
Acq: 19 Jun 2020 17:07

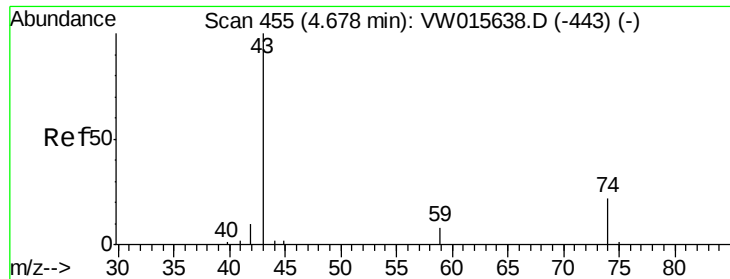
Tgt Ion: 76 Resp: 255713

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

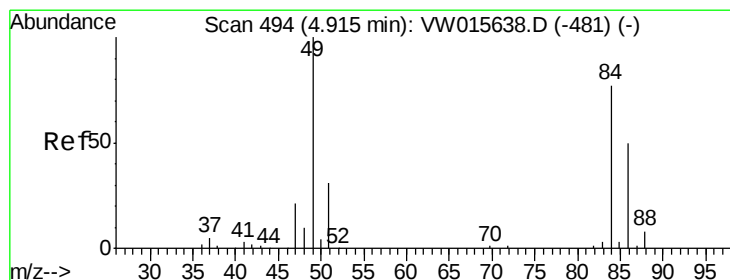
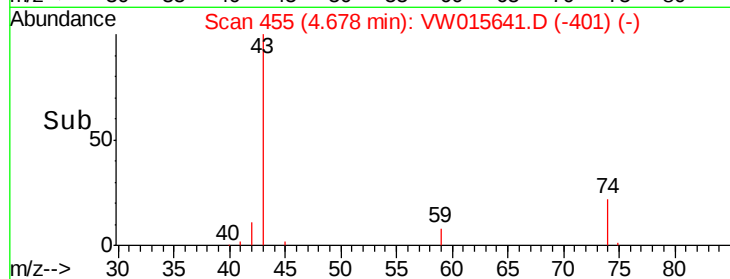
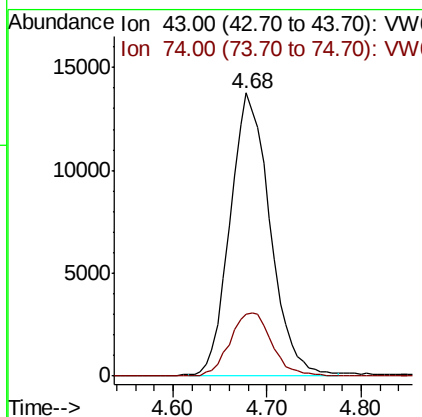
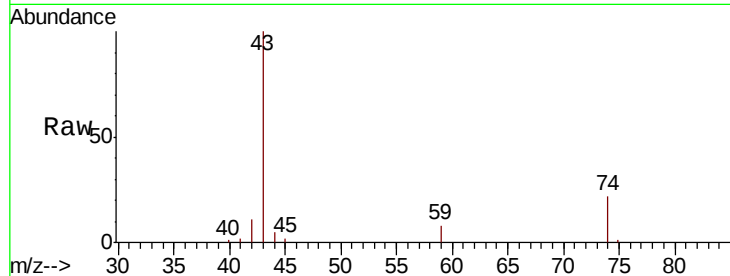




#15
Methvl Acetate
Concen: 26.853 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

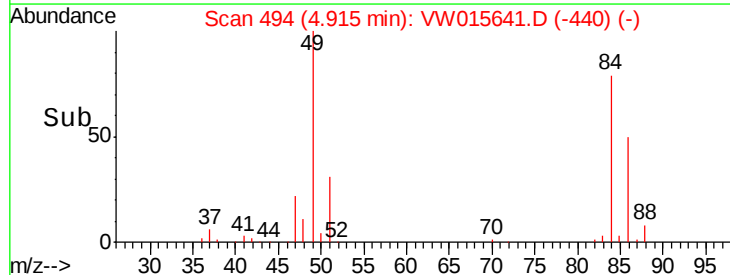
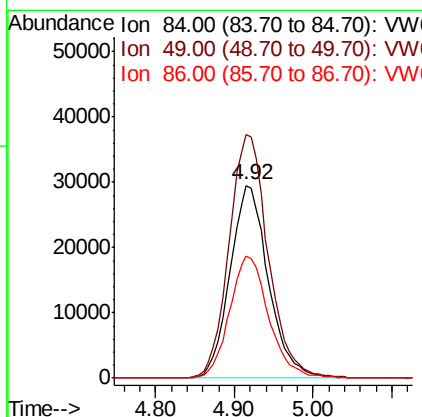
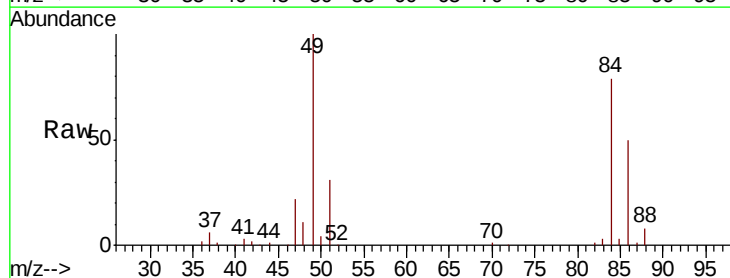
Instrument :
MSVOA_W
ClientSampleId :

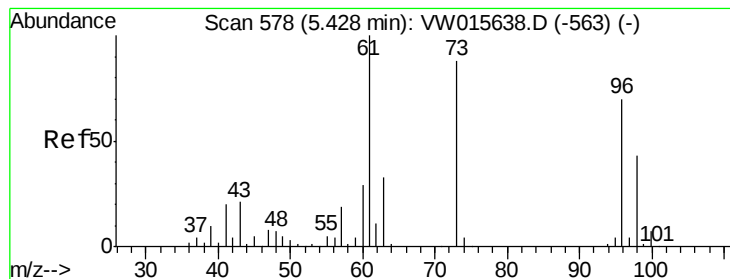
Tot Ion: 43 Resp: 40755
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 26.745 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion: 84 Resp: 99553
Ion Ratio Lower Upper
84 100
49 126.2 93.0 172.8
86 63.3 44.7 83.1



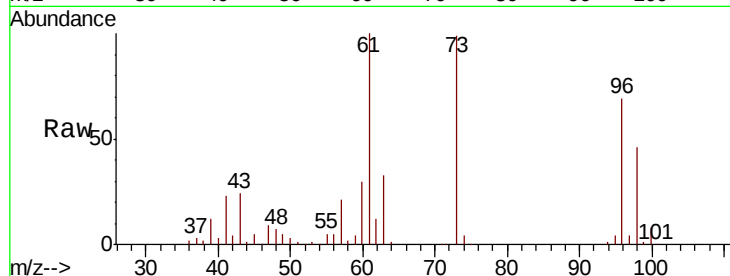


#17

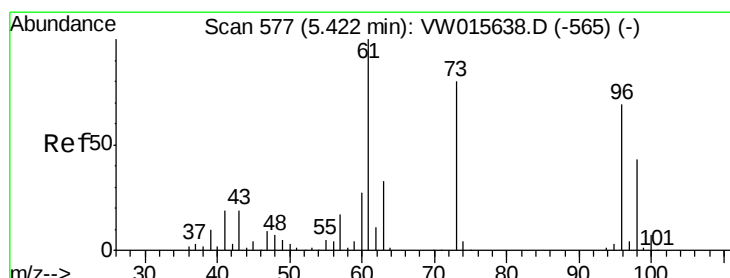
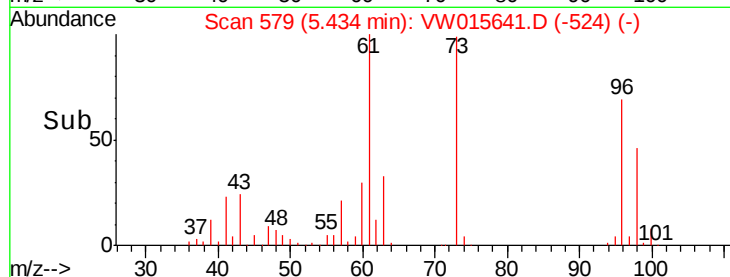
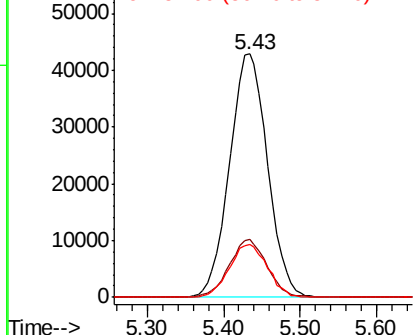
Methvl tert-butvl Ether
 Concen: 25.737 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 147702
 Ion Ratio Lower Upper
 73 100
 43 23.6 19.6 29.4
 57 21.9 17.7 26.5



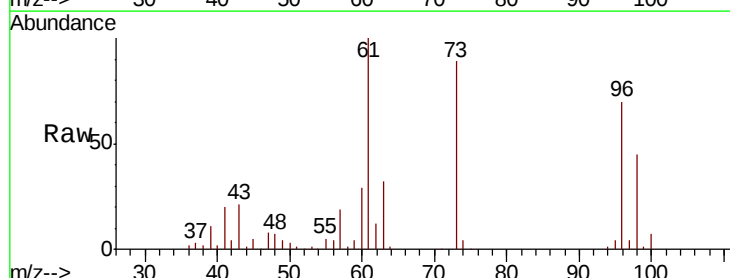
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



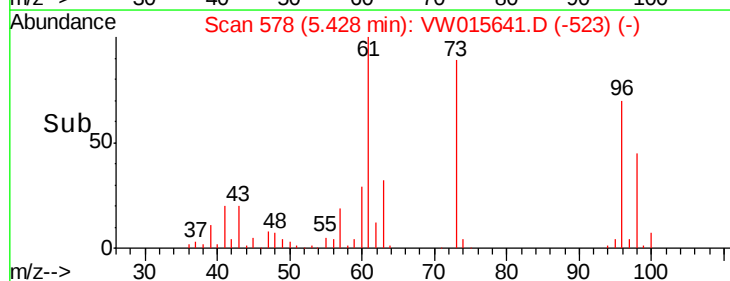
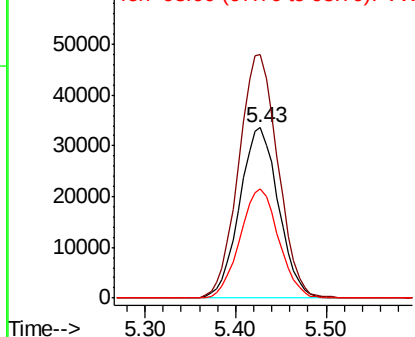
#18

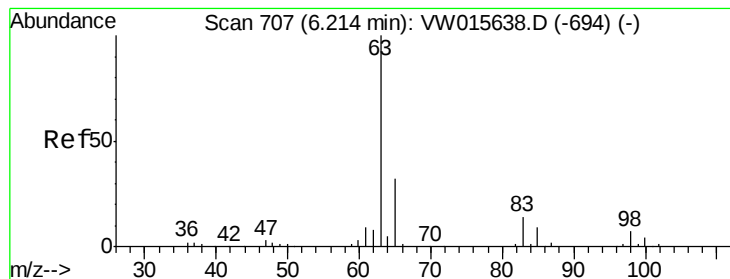
trans-1,2-Dichloroethene
 Concen: 25.787 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion: 96 Resp: 99942
 Ion Ratio Lower Upper
 96 100
 61 143.0 101.9 189.3
 98 64.2 44.9 83.5



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: 26.508 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampled :

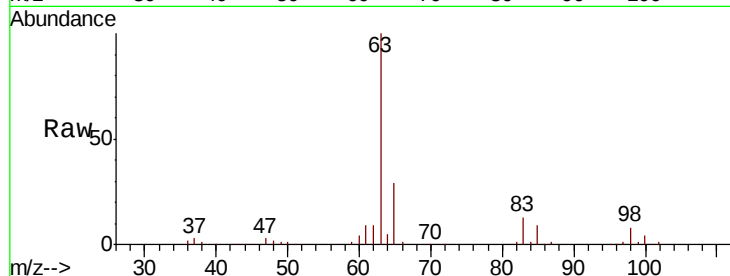
Tot Ion: 63 Resp: 184784

Ion Ratio Lower Upper

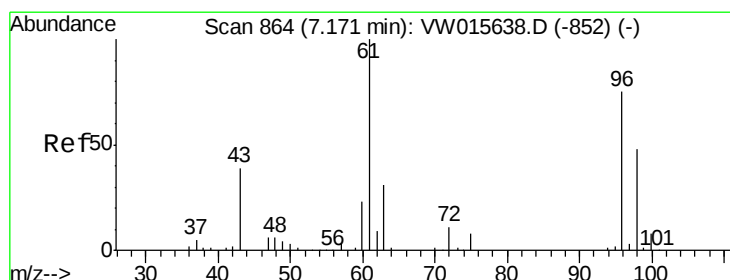
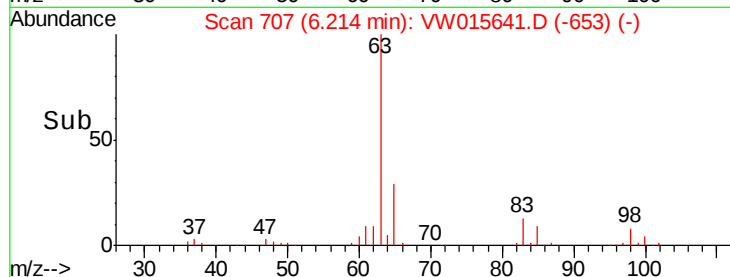
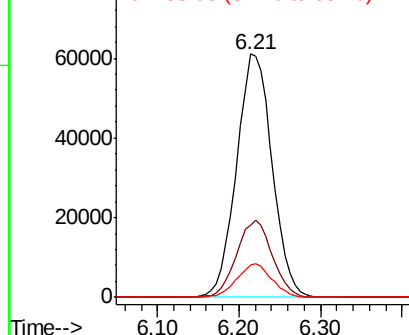
63 100

65 29.4 22.1 41.1

83 13.3 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 50.882 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015641.D

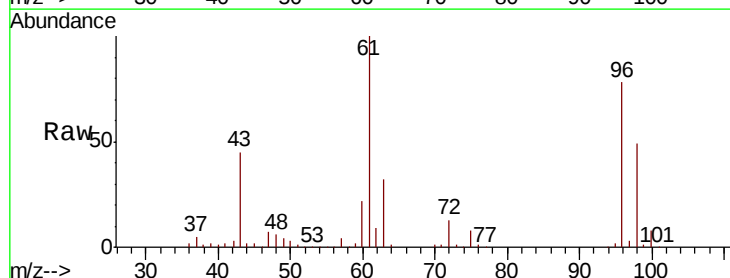
Acq: 19 Jun 2020 17:07

Tgt Ion: 43 Resp: 54832

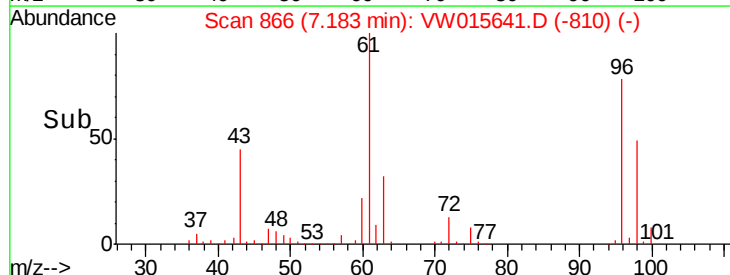
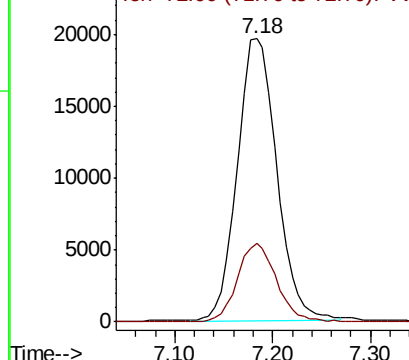
Ion Ratio Lower Upper

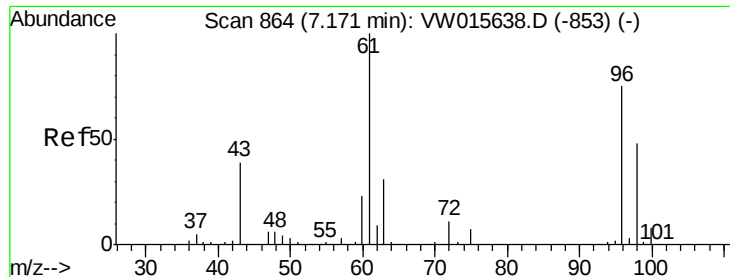
43 100

72 27.7 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



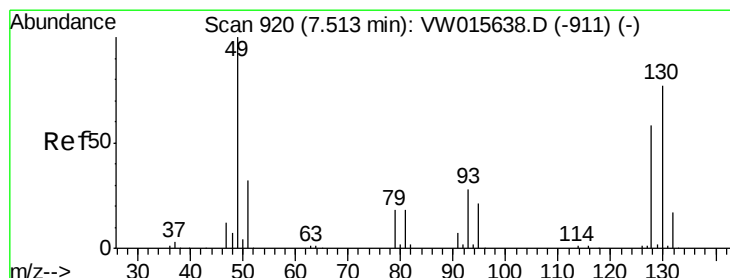
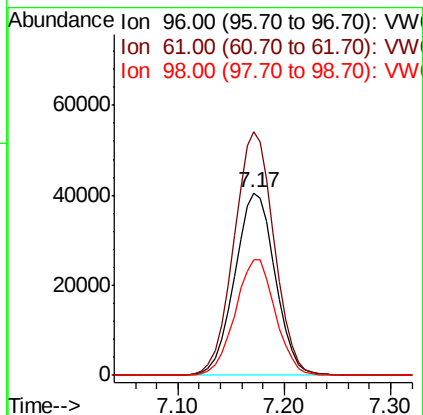
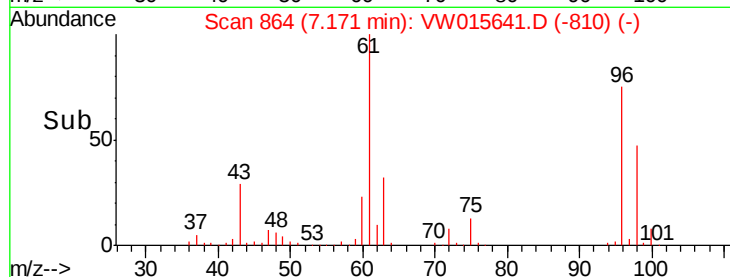
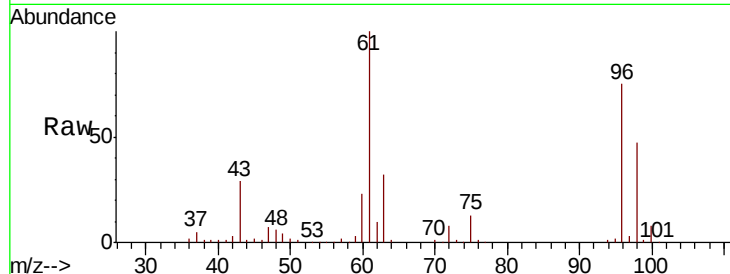


#22

cis-1,2-Dichloroethene
Concen: 26.676 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Instrument :
MSVOA_W
ClientSampled :

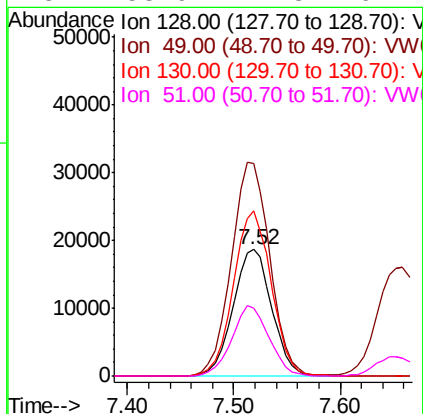
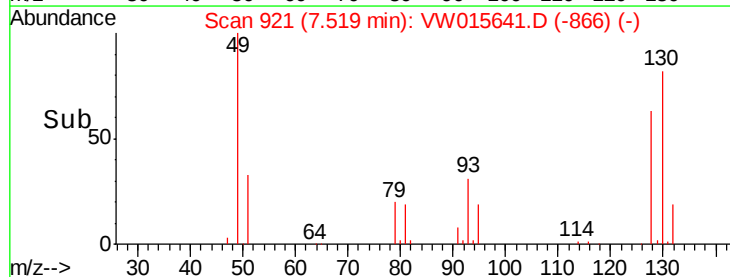
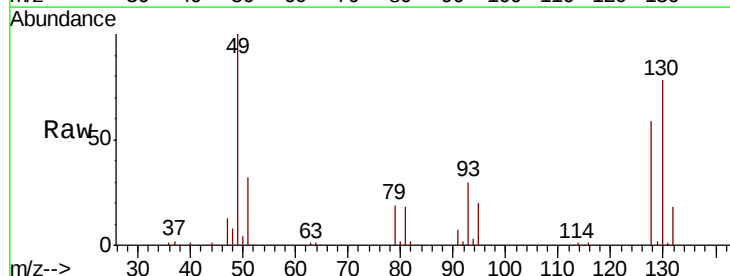
Tot Ion: 96 Resp: 107851
Ion Ratio Lower Upper
96 100
61 133.6 93.7 173.9
98 63.3 45.1 83.9

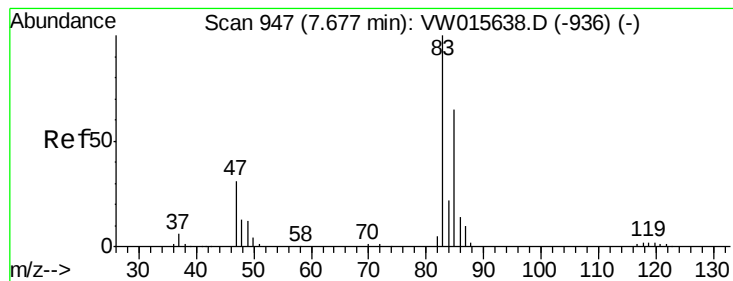


#23

Bromochloromethane
Concen: 27.195 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion: 128 Resp: 47413
Ion Ratio Lower Upper
128 100
49 168.4 118.1 219.3
130 130.8 88.5 164.3
51 53.9 42.8 64.2





#25

Chloroform

Concen: 27.482 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

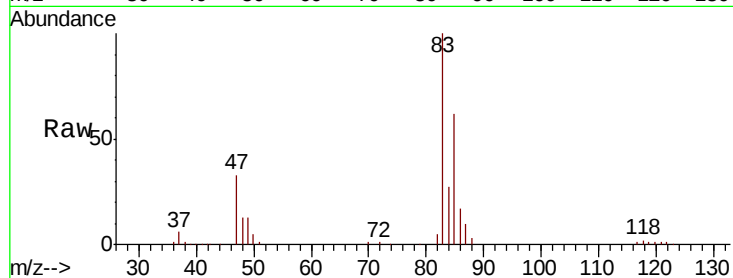
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 192901

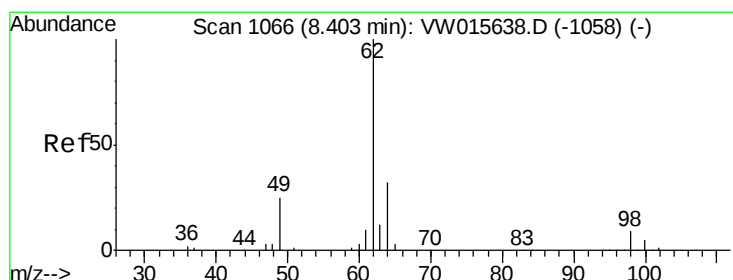
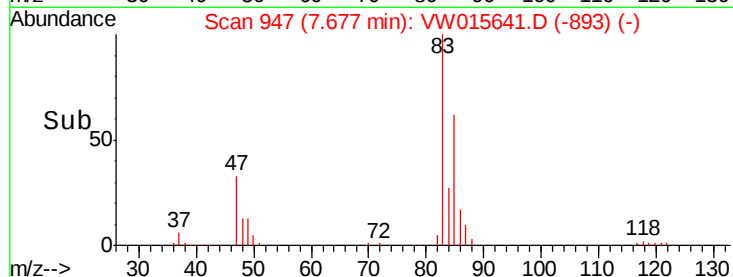
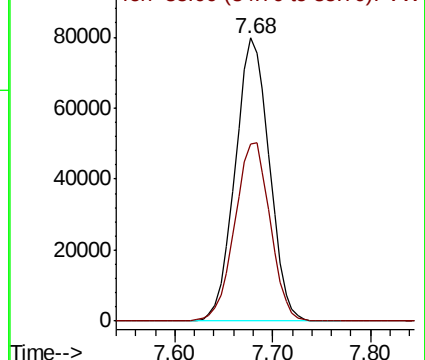
Ion Ratio Lower Upper

83 100

85 65.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.839 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015641.D

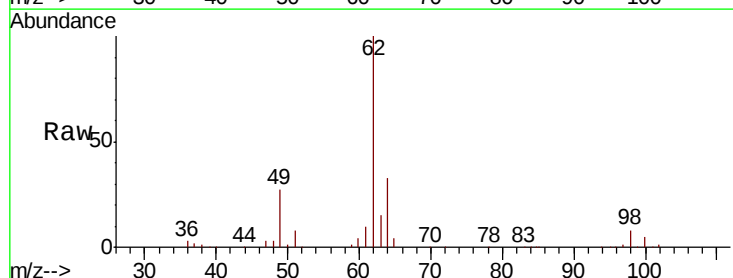
Acq: 19 Jun 2020 17:07

Tgt Ion: 62 Resp: 132193

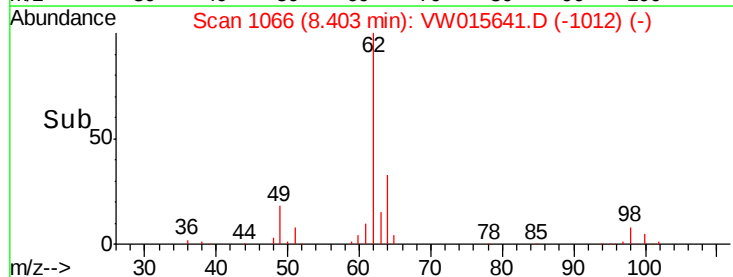
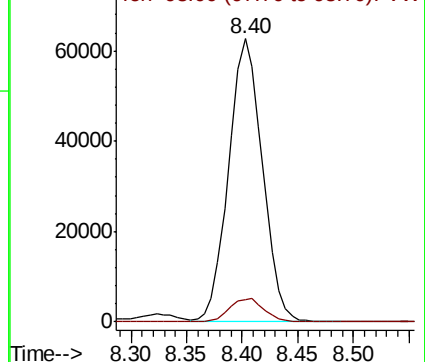
Ion Ratio Lower Upper

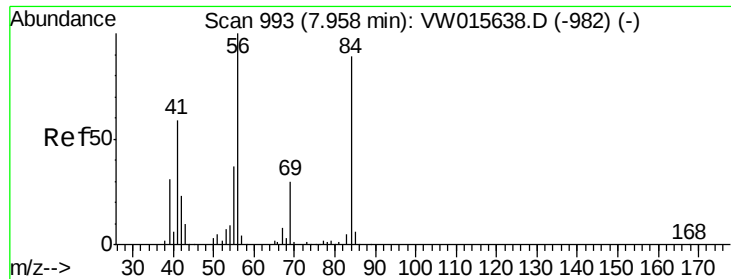
62 100

98 8.0 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW

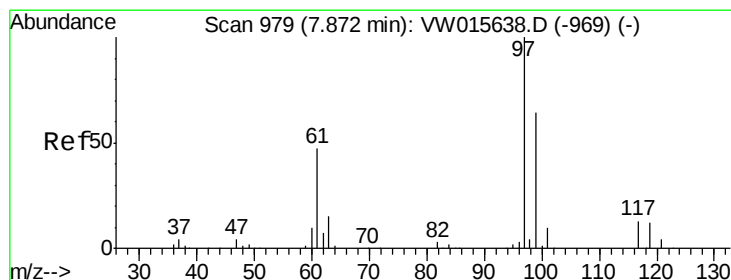
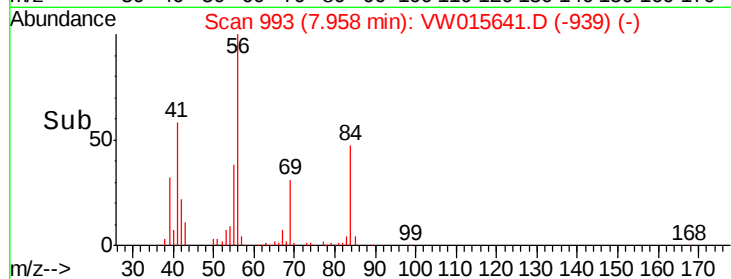
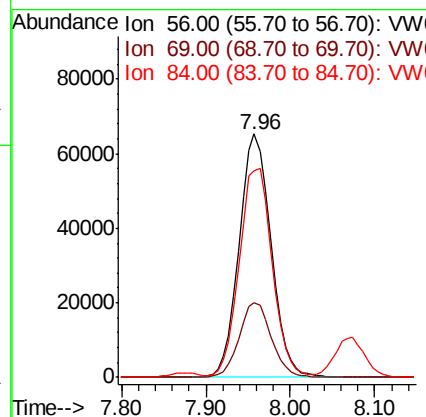
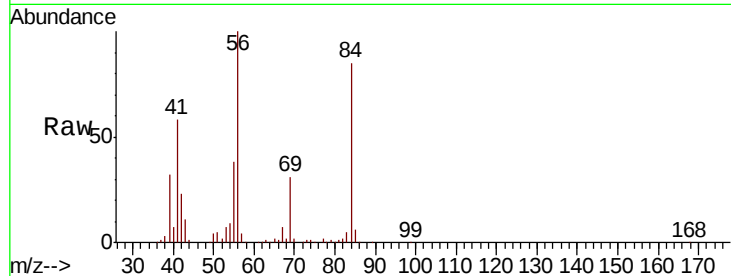




#30
Cyclohexane
Concen: 23.654 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

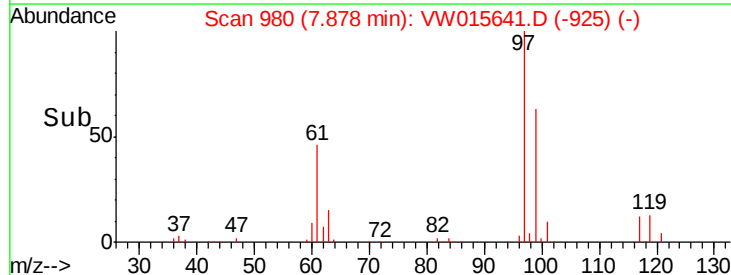
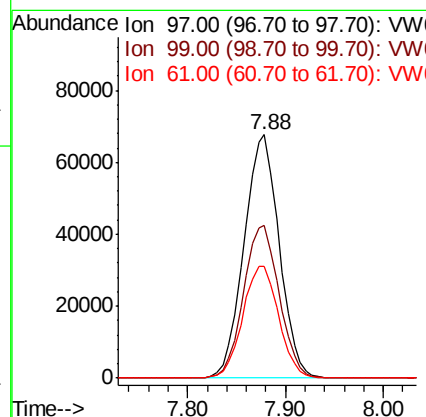
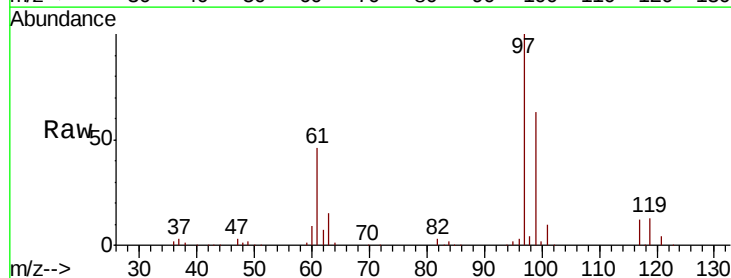
Instrument :
MSVOA_W
ClientSampled :

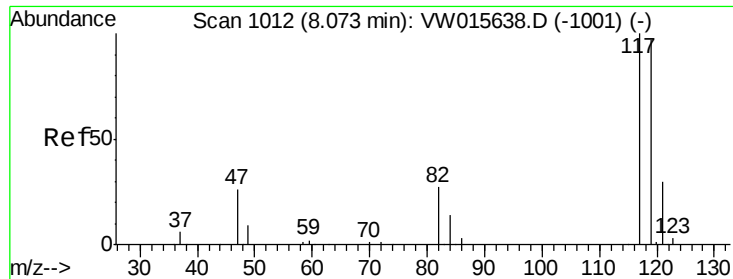
Tot Ion: 56 Resp: 167305
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 89.1 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 26.384 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion: 97 Resp: 168892
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 47.0 38.1 57.1





#32

Carbon tetrachloride

Concen: 26.016 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

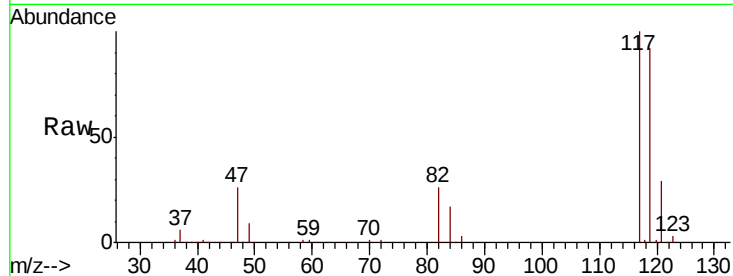
ClientSampleId :

Tot Ion:117 Resp: 152747

Ion Ratio Lower Upper

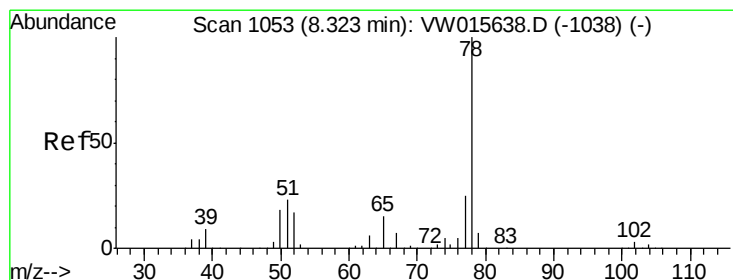
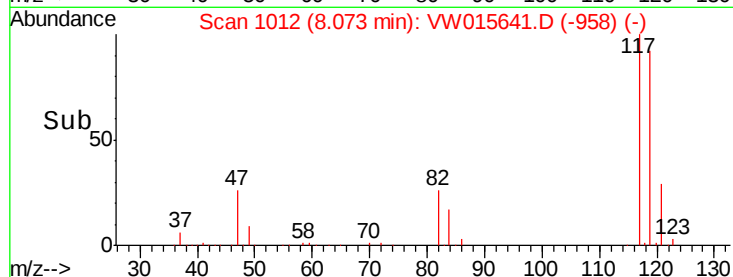
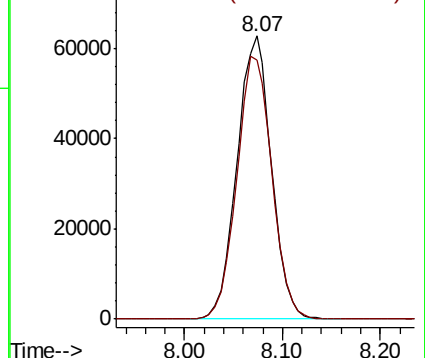
117 100

119 94.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.810 ug/L

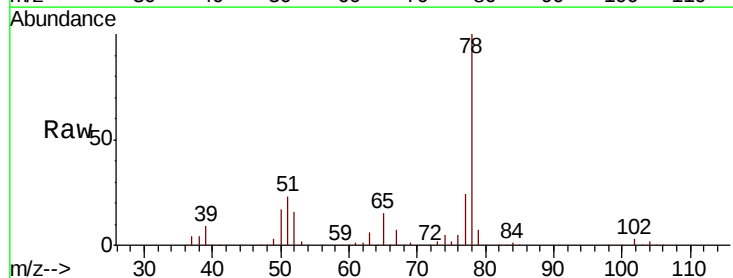
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

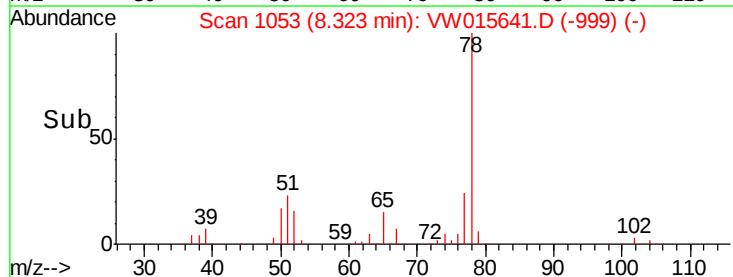
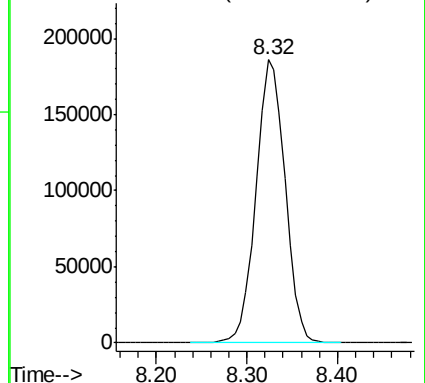
Lab File: VW015641.D

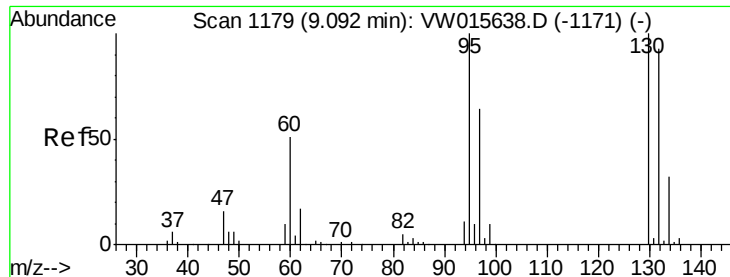
Acq: 19 Jun 2020 17:07

Tgt Ion: 78 Resp: 412998



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.752 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 110690

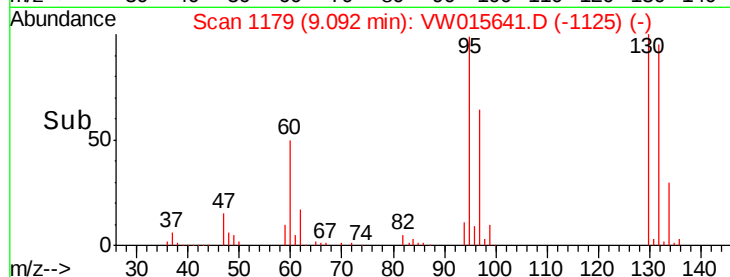
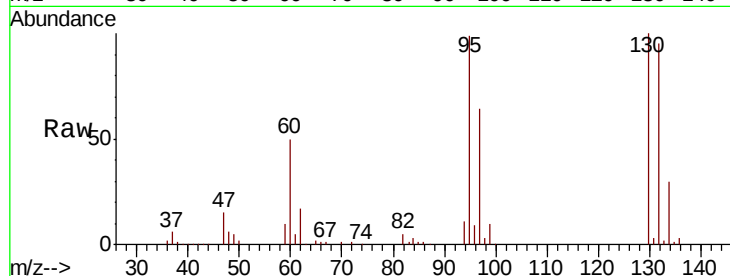
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 97.4 67.1 124.7

130 100.8 69.4 128.8

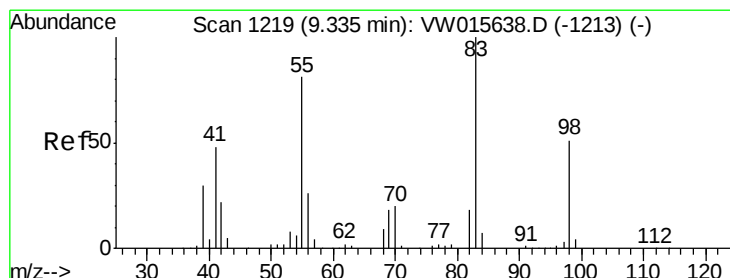
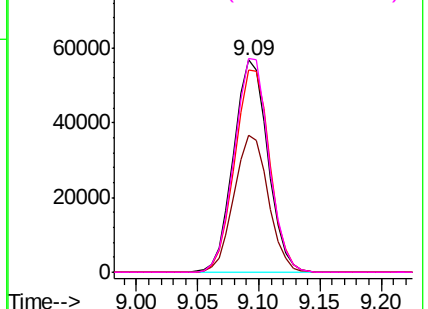


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.058 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

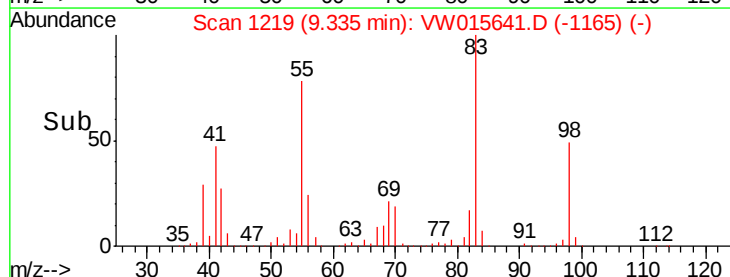
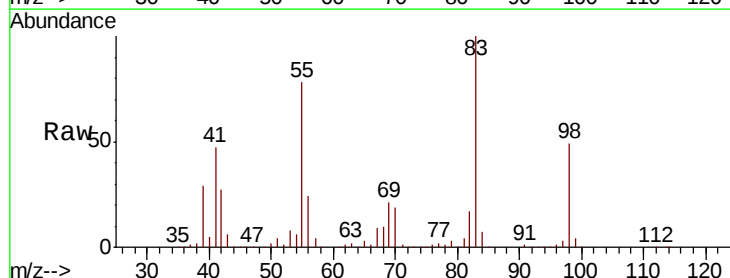
Tgt Ion: 83 Resp: 192091

Ion Ratio Lower Upper

83 100

55 77.4 62.8 94.2

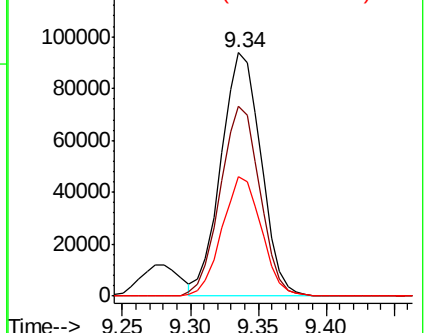
98 48.3 39.2 58.8

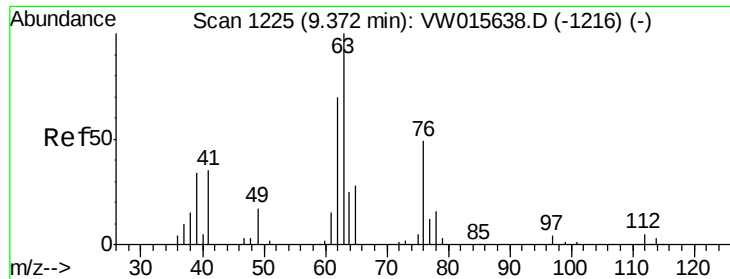


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

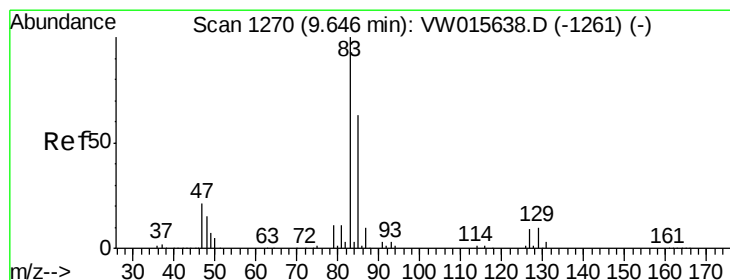
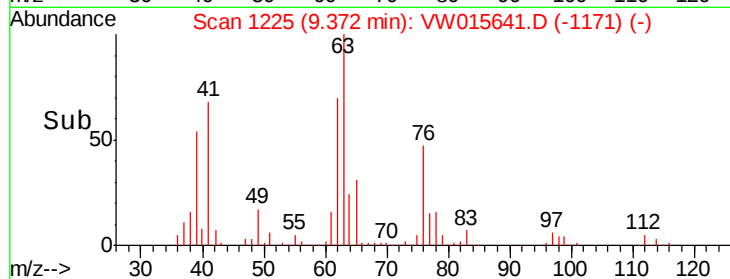
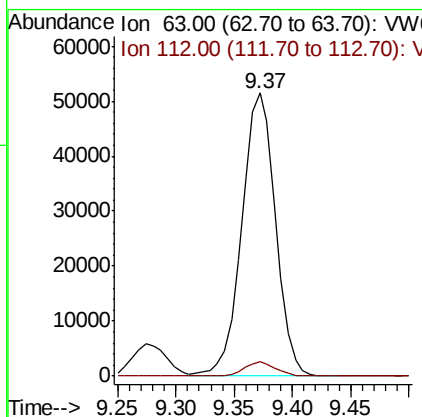
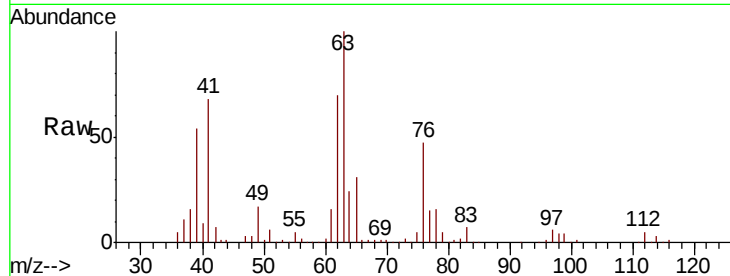




#40
 1,2-Dichloropropane
 Concen: 26.391 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

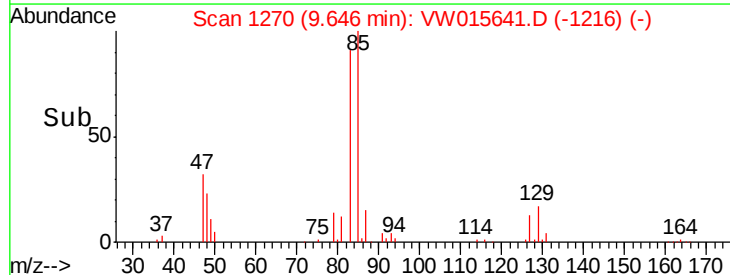
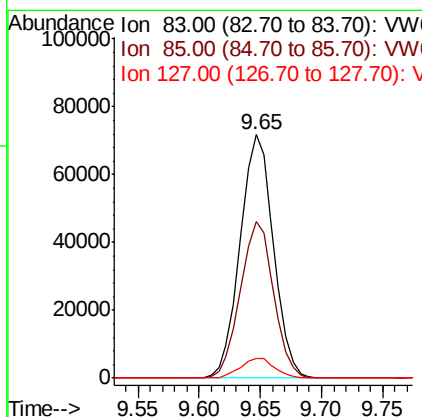
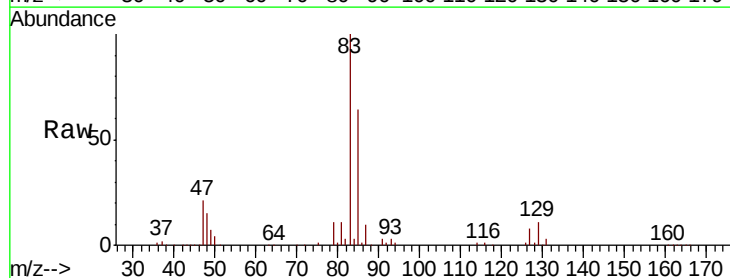
Instrument :
 MSVOA_W
 ClientSampled :

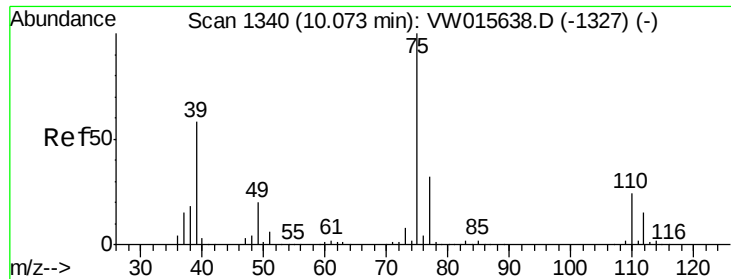
Tot Ion: 63 Resp: 103996
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.766 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion: 83 Resp: 135639
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.8 83.2
 127 8.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.334 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

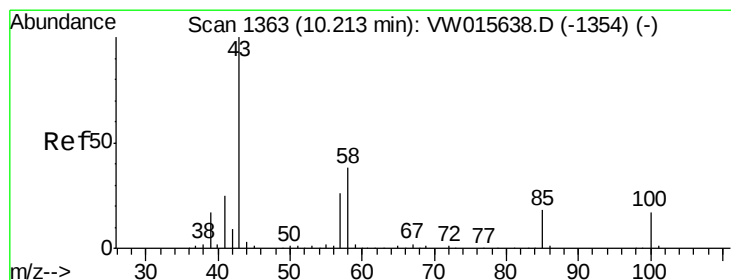
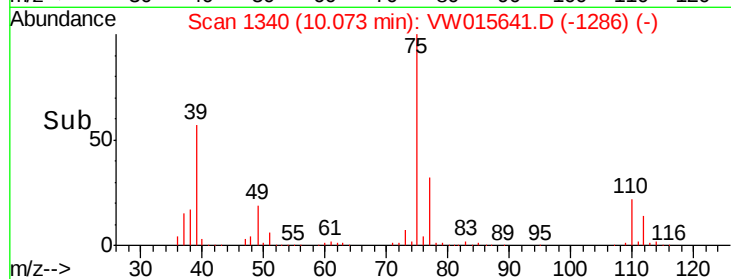
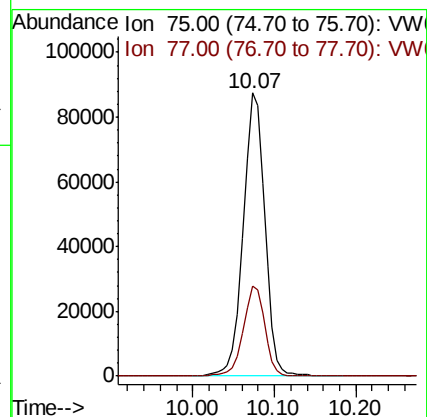
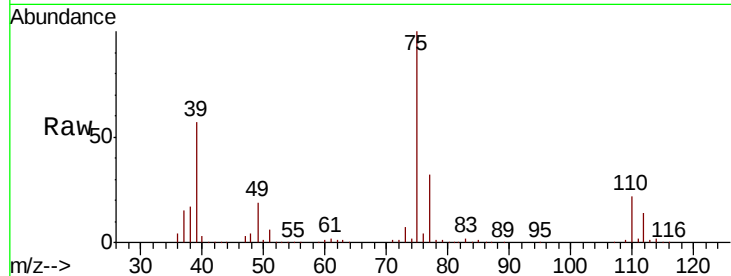
ClientSampleId :

Tot Ion: 75 Resp: 159752

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 52.489 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

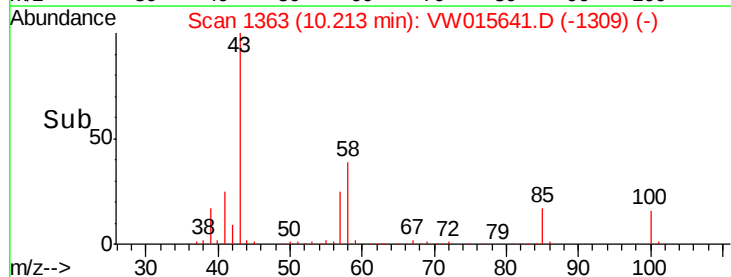
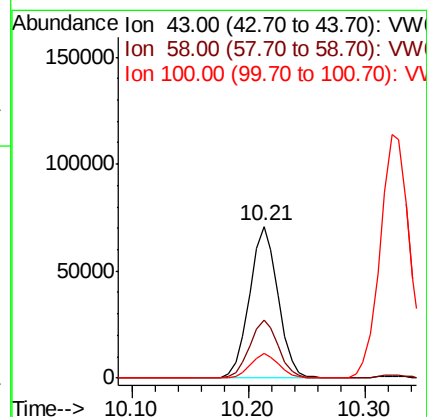
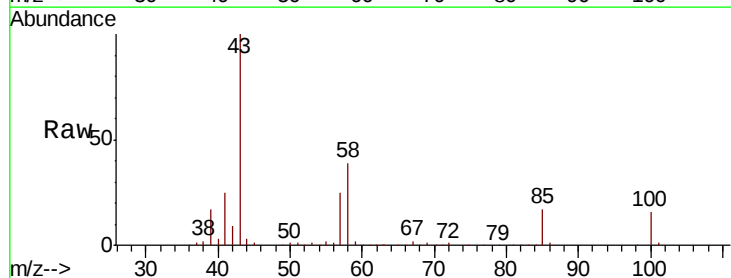
Tgt Ion: 43 Resp: 121245

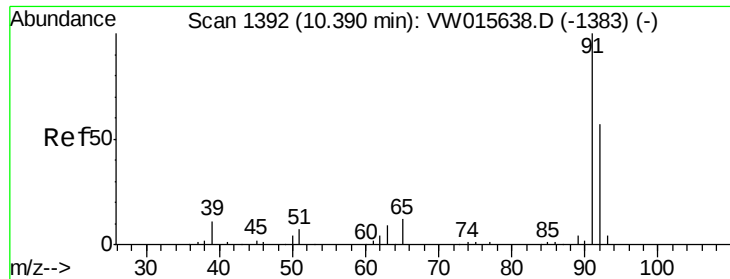
Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0

100 16.0 12.5 18.7





#44

Toluene

Concen: 26.731 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

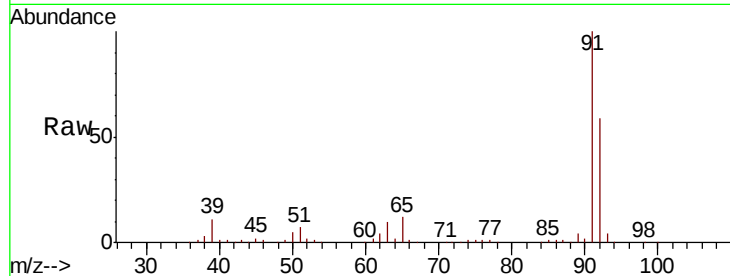
ClientSampleId :

Tot Ion: 91 Resp: 466016

Ion Ratio Lower Upper

91 100

92 59.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

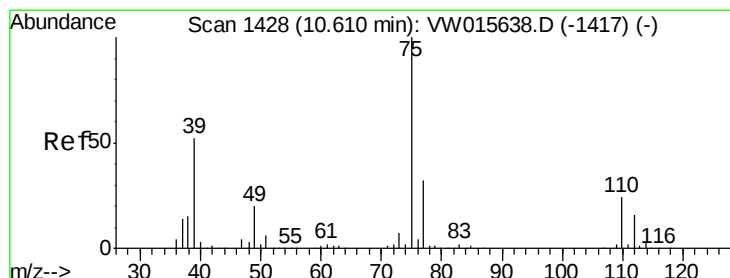
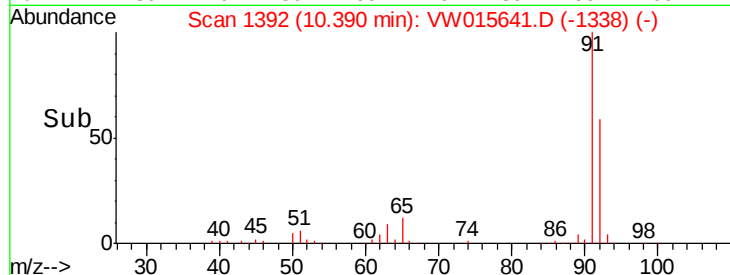
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.862 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015641.D

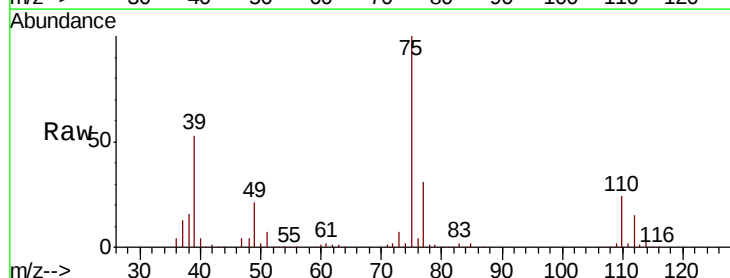
Acq: 19 Jun 2020 17:07

Tgt Ion: 75 Resp: 141924

Ion Ratio Lower Upper

75 100

77 31.5 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

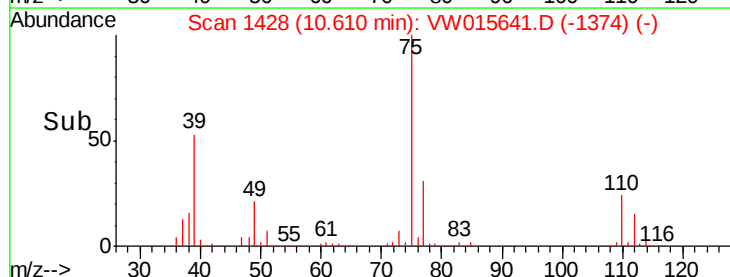
60000

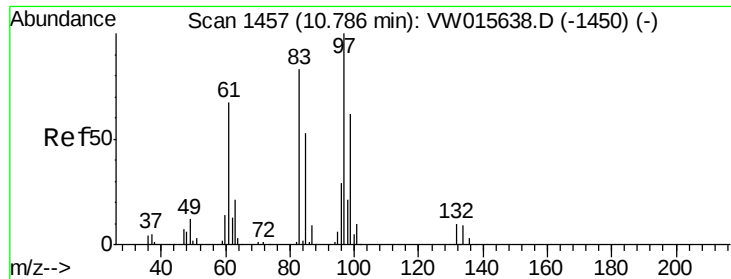
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 28.064 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 77368

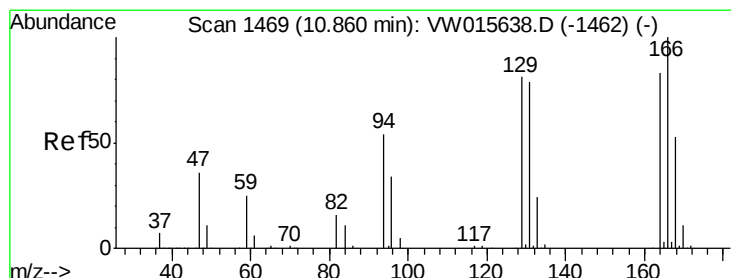
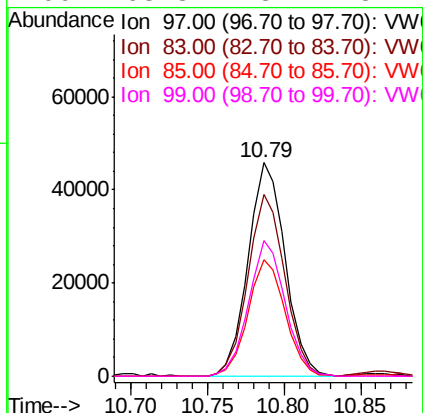
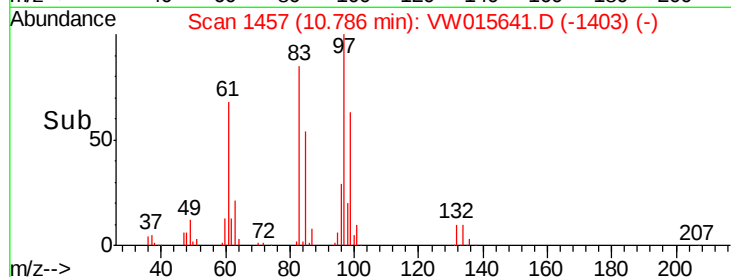
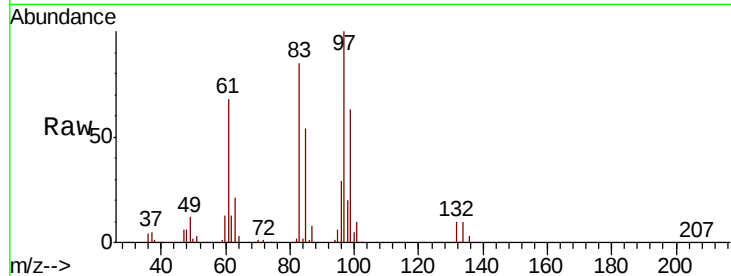
Ion	Ratio	Lower	Upper
97	100		
83	85.2	58.2	108.2
85	54.4	37.4	69.4
99	63.3	43.7	81.1

97 100

83 85.2 58.2 108.2

85 54.4 37.4 69.4

99 63.3 43.7 81.1



#47

Tetrachloroethene

Concen: 27.093 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Tgt Ion: 164 Resp: 92312

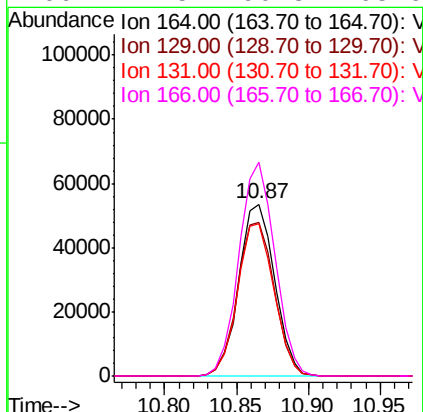
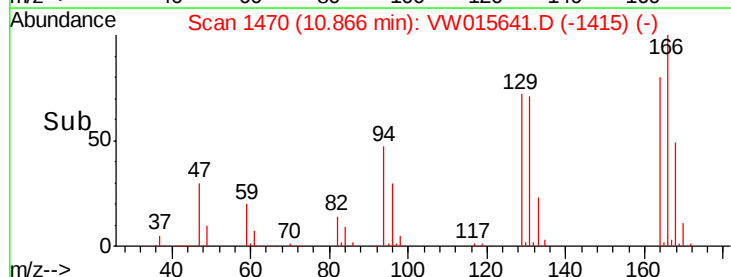
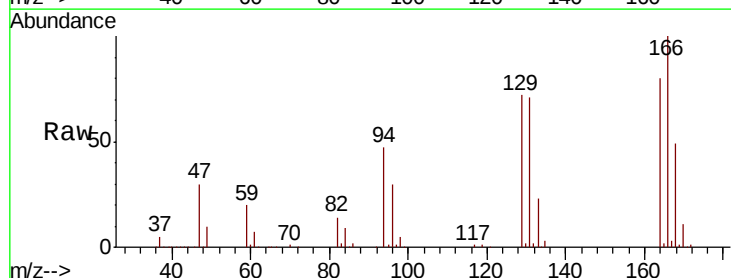
Ion	Ratio	Lower	Upper
164	100		
129	89.5	66.3	123.1
131	88.9	65.1	120.9
166	124.5	90.8	168.6

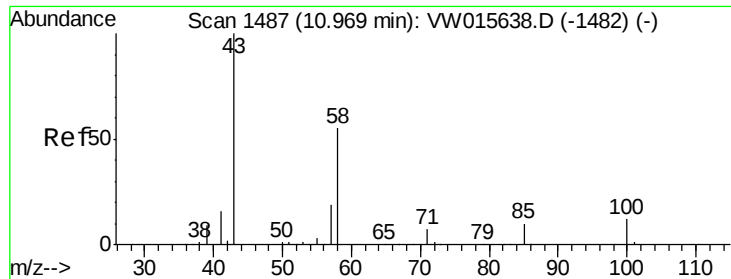
164 100

129 89.5 66.3 123.1

131 88.9 65.1 120.9

166 124.5 90.8 168.6





#49

2-Hexanone

Concen: 54.661 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 85225

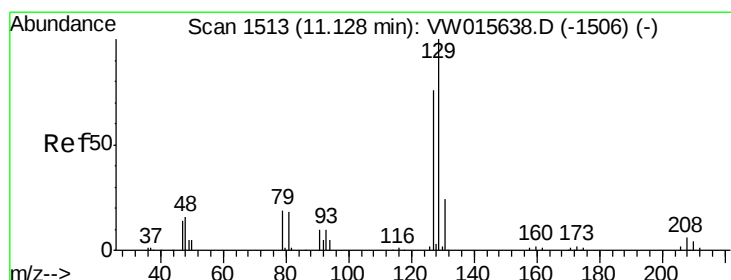
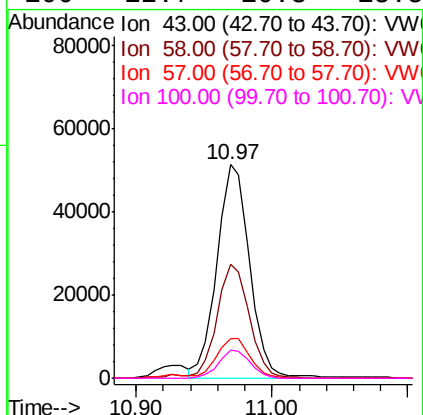
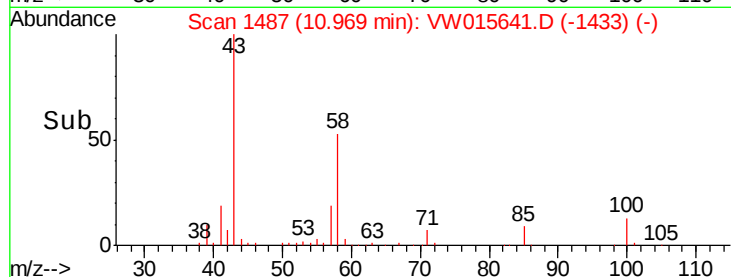
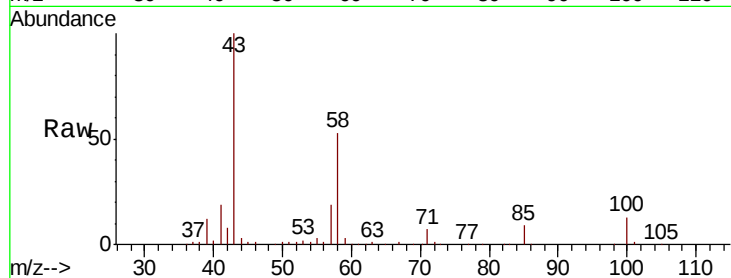
Ion Ratio Lower Upper

43 100

58 52.8 42.6 64.0

57 19.2 15.5 23.3

100 12.7 10.3 15.5



#50

Dibromochloromethane

Concen: 26.652 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015641.D

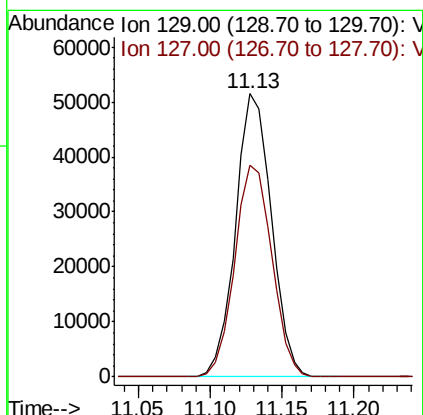
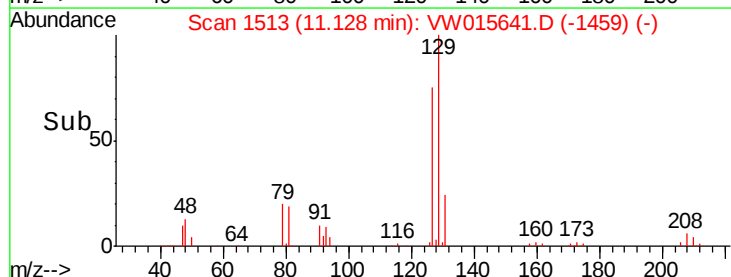
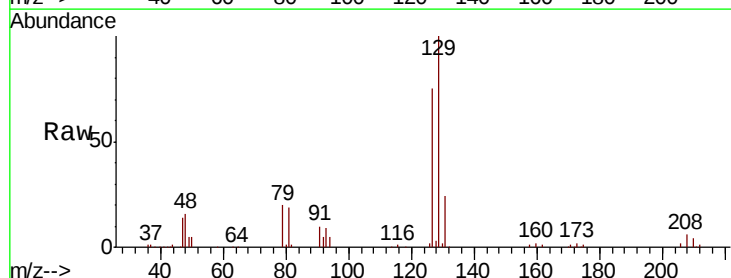
Acq: 19 Jun 2020 17:07

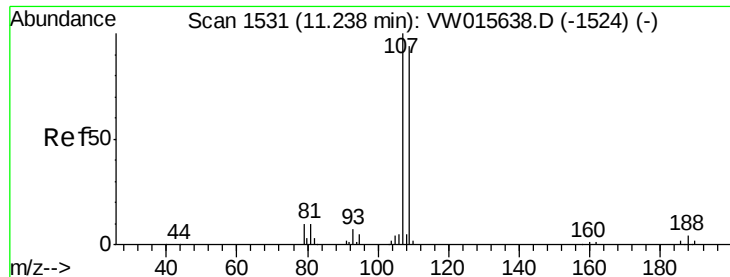
Tgt Ion: 129 Resp: 89270

Ion Ratio Lower Upper

129 100

127 74.9 53.0 98.4

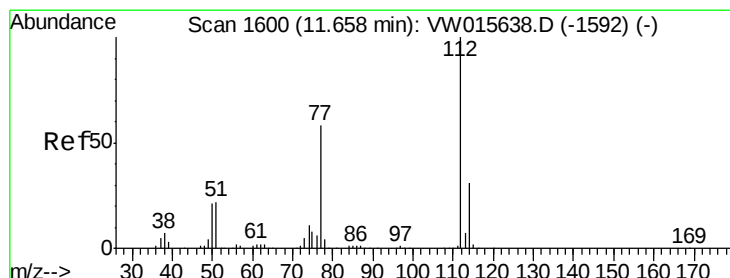
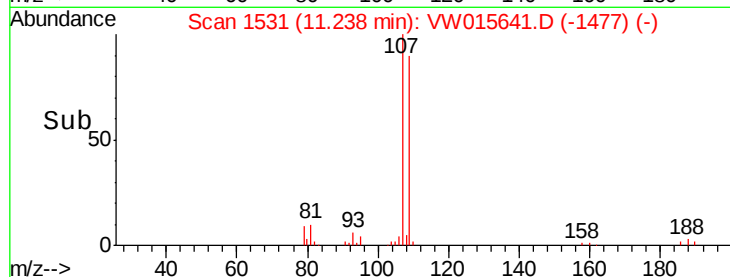
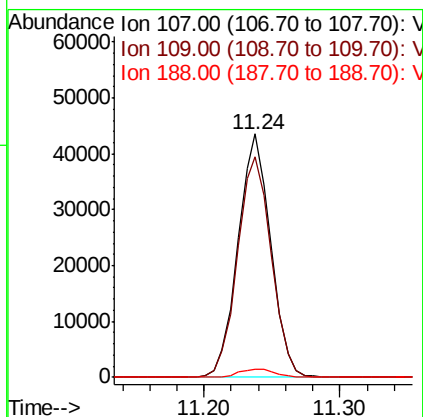
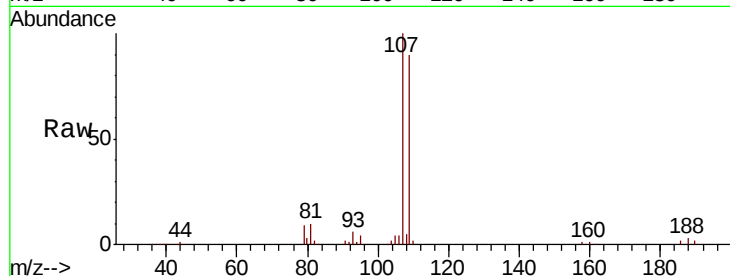




#51
1,2-Dibromoethane
Concen: 27.608 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

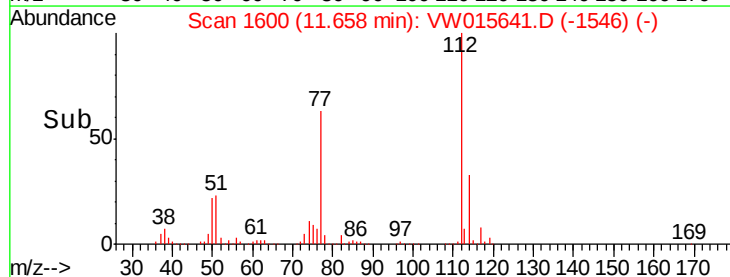
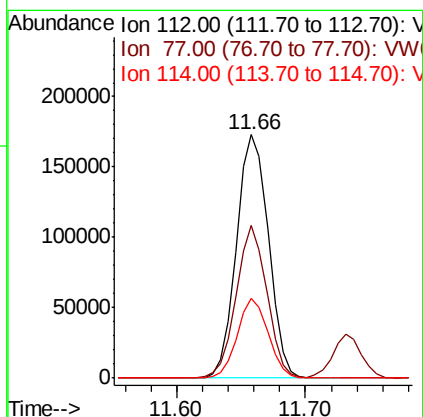
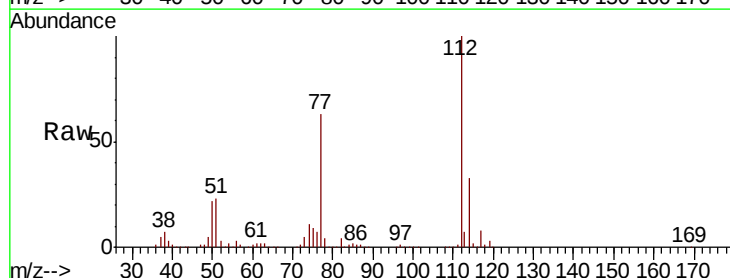
Instrument :
MSVOA_W
ClientSampled :

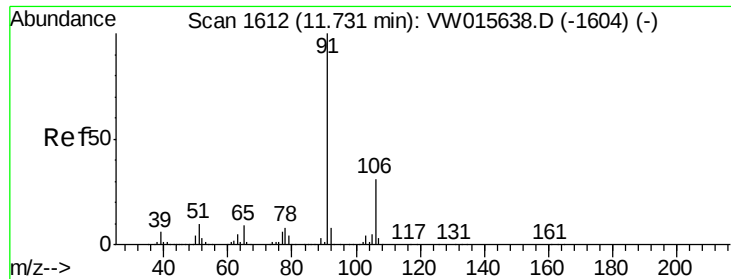
Tot Ion:107 Resp: 73068
Ion Ratio Lower Upper
107 100
109 90.4 64.6 120.0
188 3.4 2.8 4.2



#52
Chlorobenzene
Concen: 27.149 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion:112 Resp: 296881
Ion Ratio Lower Upper
112 100
77 62.6 49.7 74.5
114 32.8 21.8 40.6

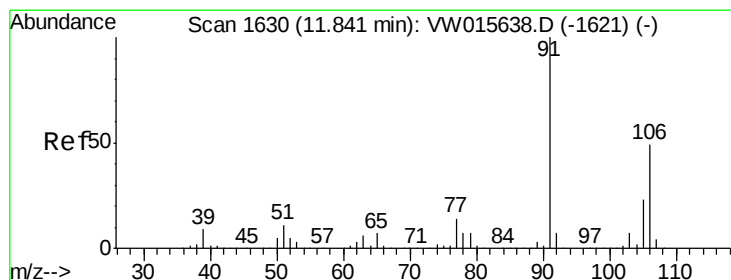
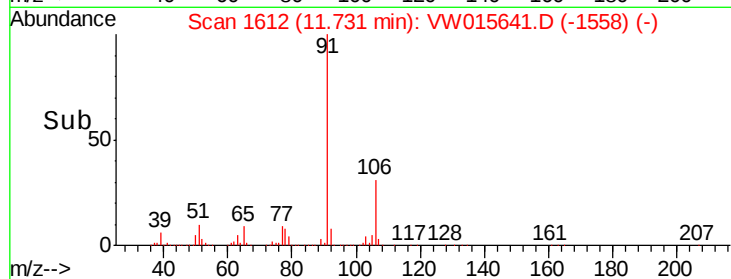
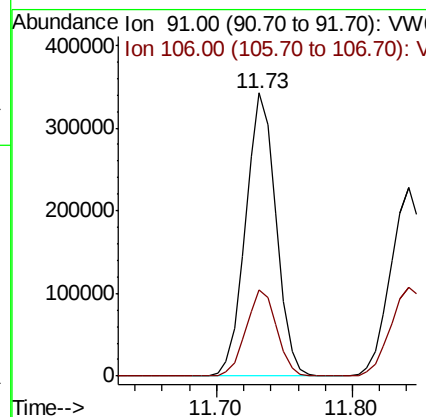
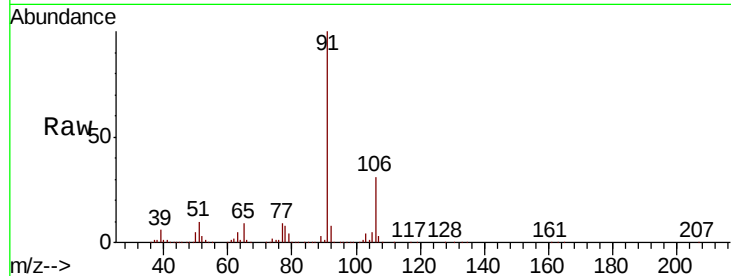




#53
Ethylbenzene
Concen: 26.777 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

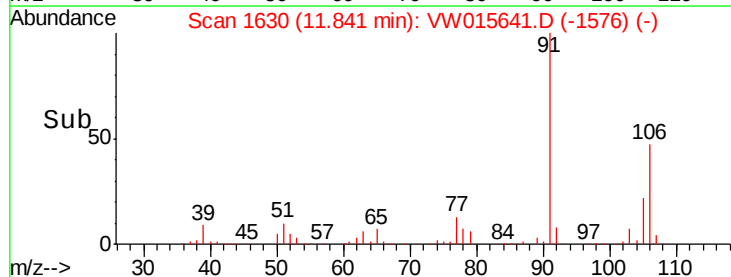
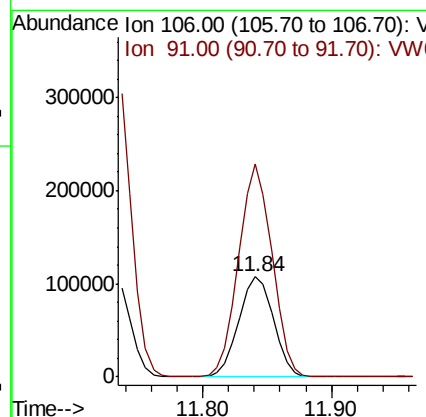
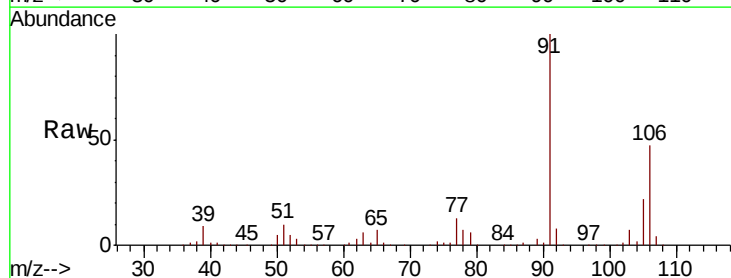
Instrument :
MSVOA_W
ClientSampleId :

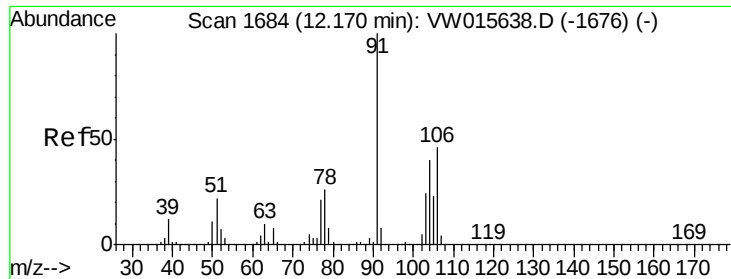
Tot Ion: 91 Resp: 536034
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#54
m,p-Xylene
Concen: 26.699 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion: 106 Resp: 200554
Ion Ratio Lower Upper
106 100
91 213.0 142.6 264.8

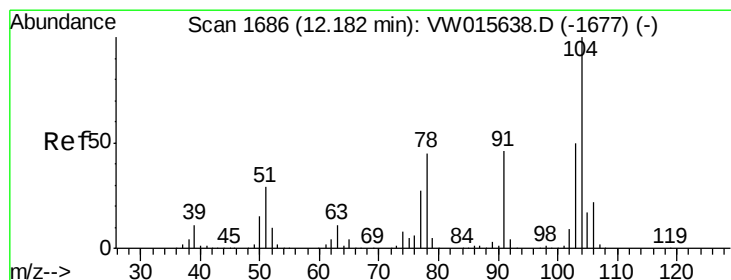
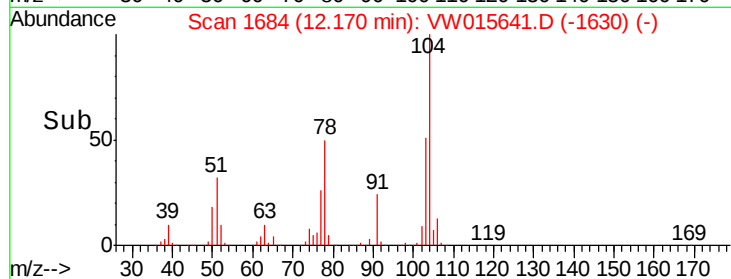
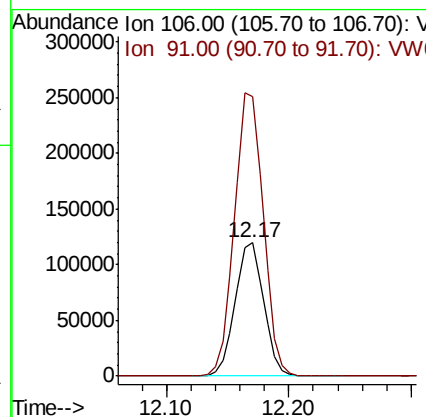
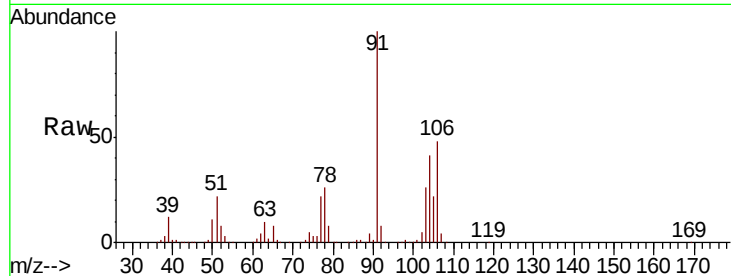




#55
o-xylene
Concen: 27.068 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

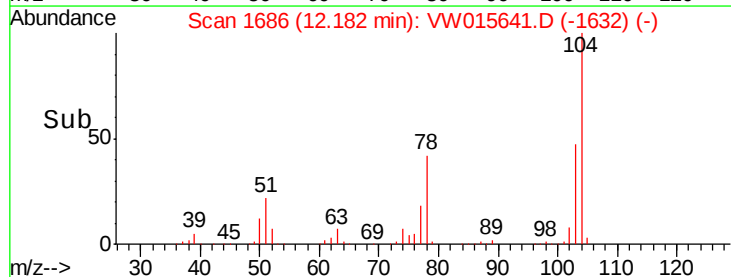
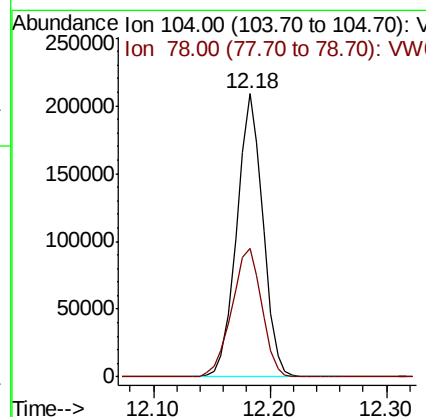
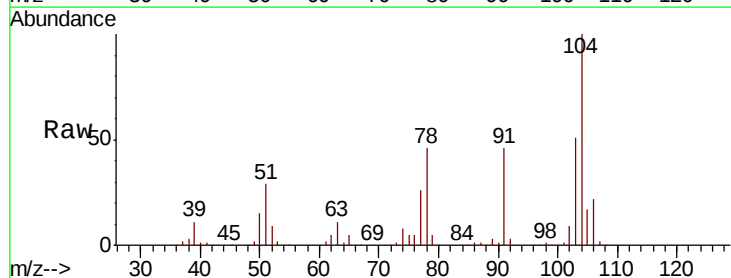
Instrument :
MSVOA_W
ClientSampled :

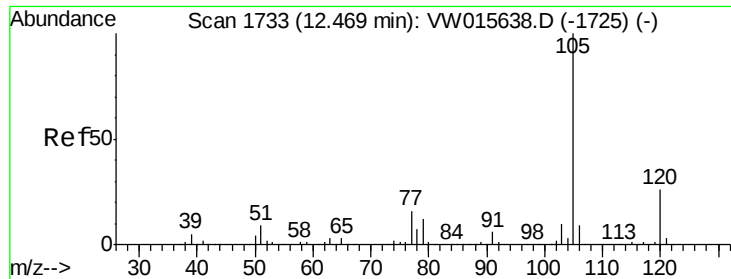
Tot Ion:106 Resp: 192998
Ion Ratio Lower Upper
106 100
91 209.7 149.0 276.6



#56
Styrene
Concen: 26.848 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015641.D
Acq: 19 Jun 2020 17:07

Tgt Ion:104 Resp: 327095
Ion Ratio Lower Upper
104 100
78 45.5 32.9 61.1





#57

Isopropylbenzene

Concen: 27.106 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampled :

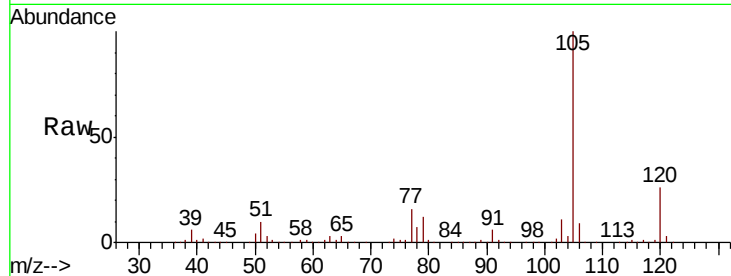
Tot Ion:105 Resp: 538377

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

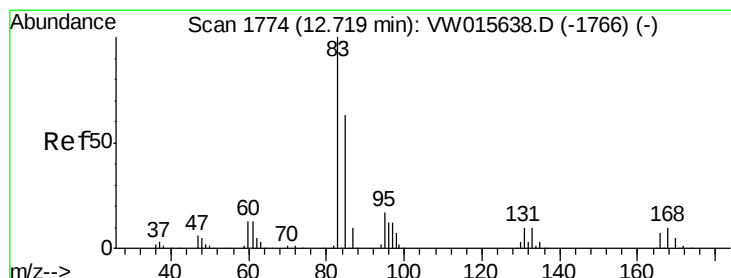
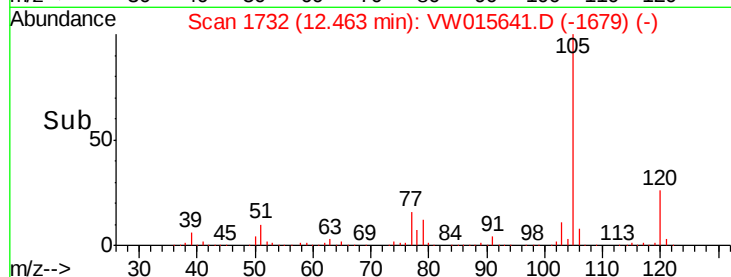
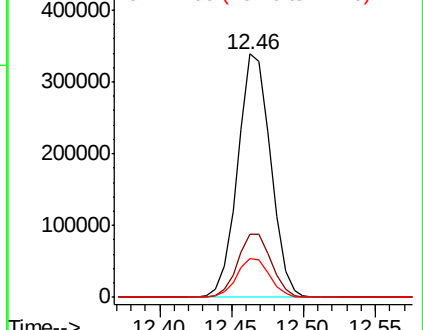
77 16.1 13.0 19.6



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: 28.716 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

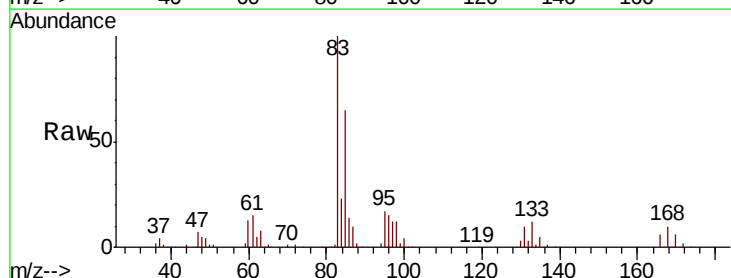
Tgt Ion: 83 Resp: 91651

Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

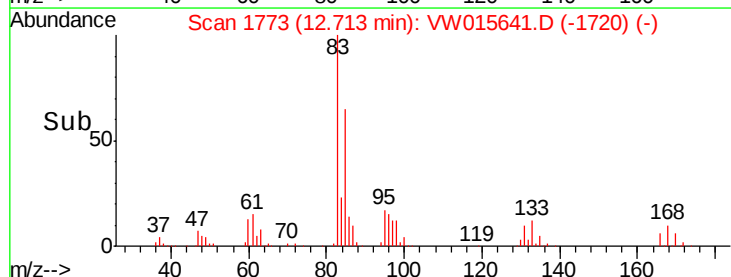
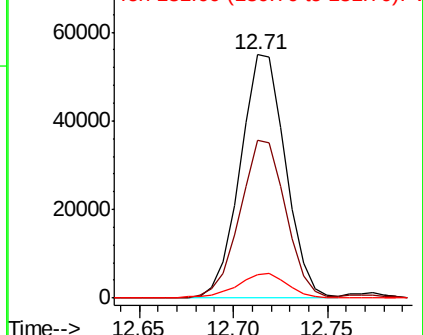
131 9.6 9.1 13.7

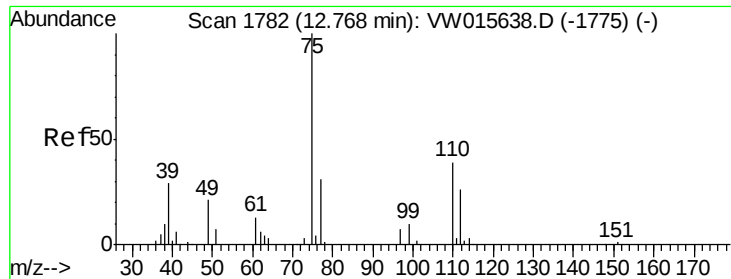


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

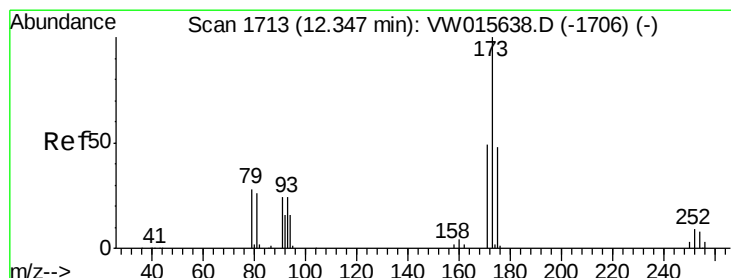
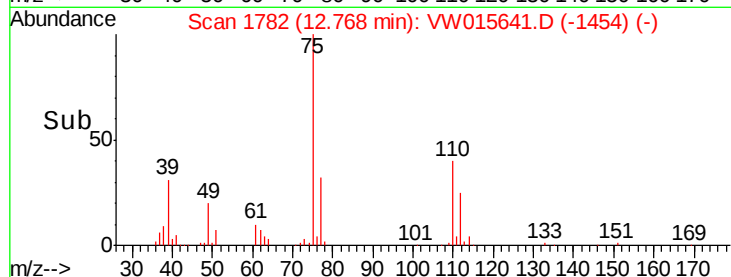
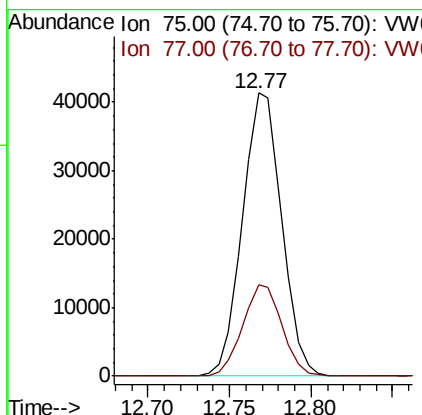
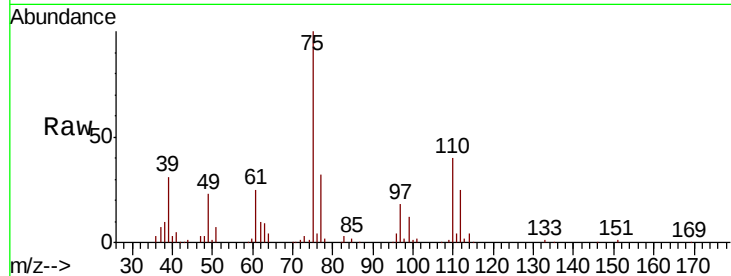




#59
 1,2,3-Trichloropropane
 Concen: 28.593 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

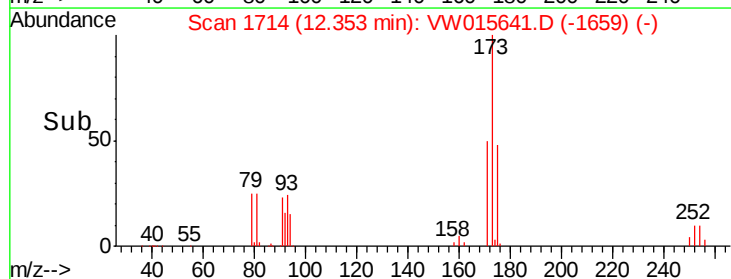
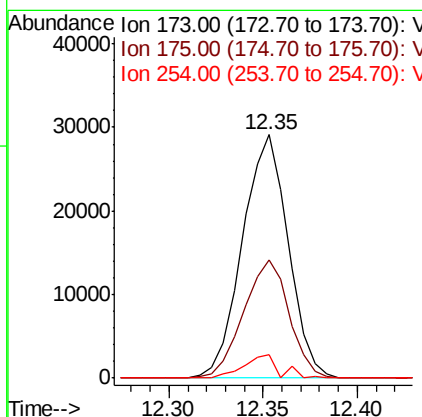
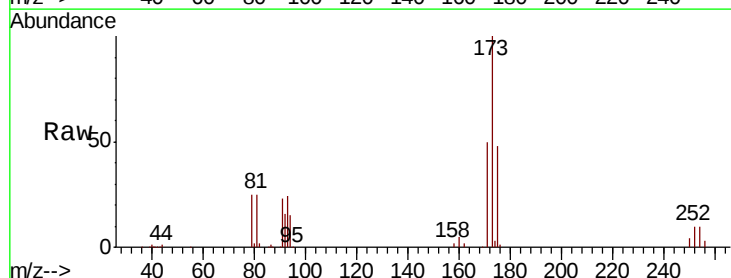
Instrument :
 MSVOA_W
 ClientSampleId :

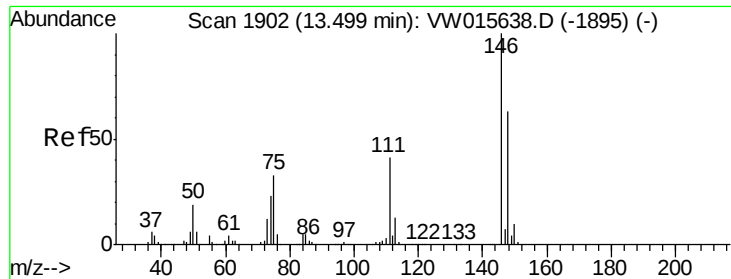
Tot Ion: 75 Resp: 69196
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 24.783 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion: 173 Resp: 49009
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.9 56.9
 254 6.2 6.8 10.2#

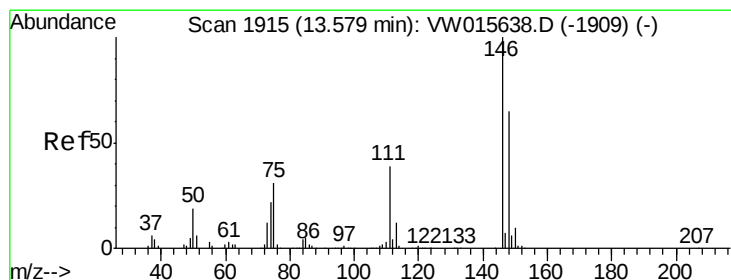
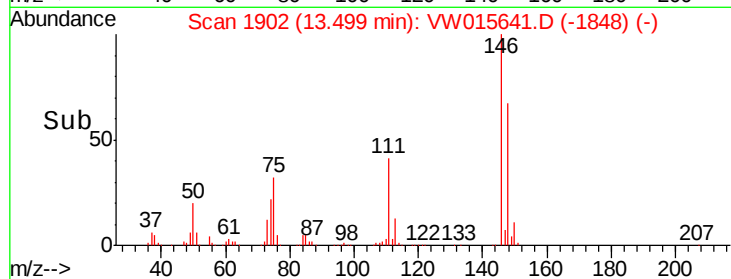
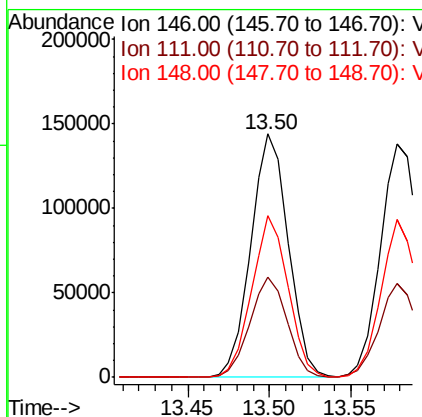
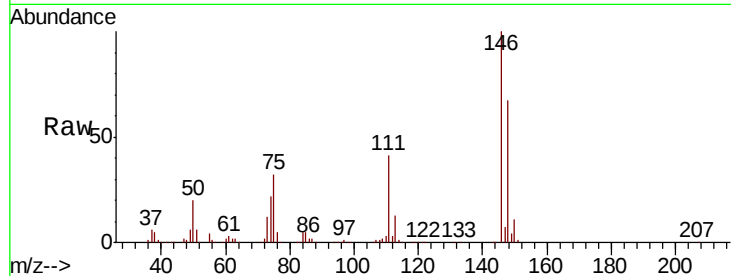




#63
 1,3-Dichlorobenzene
 Concen: 26.540 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

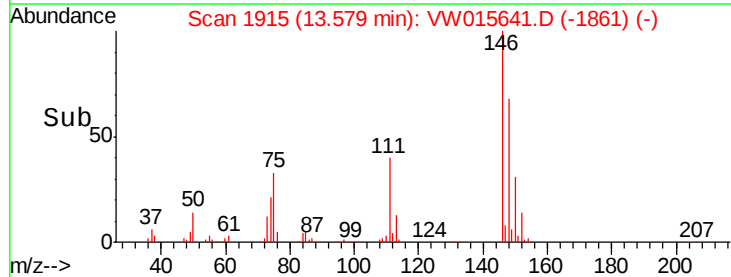
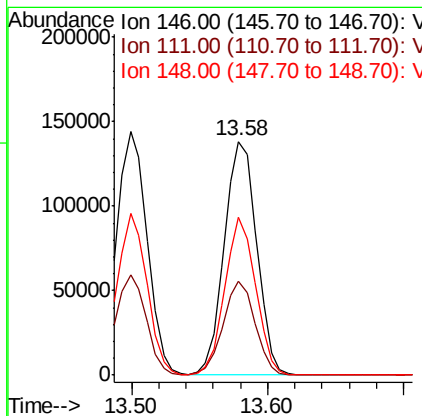
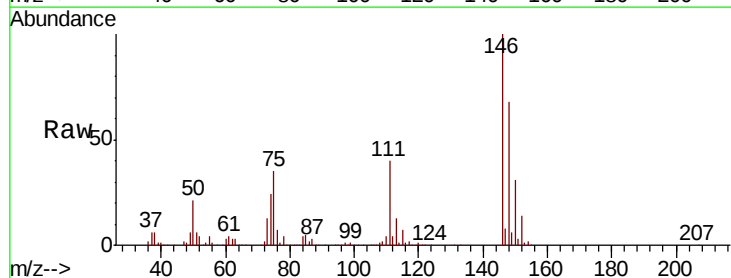
Instrument :
 MSVOA_W
 ClientSampleId :

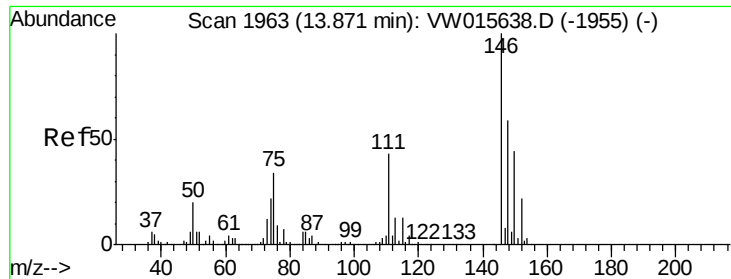
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.3	54.5
148	66.6	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 26.876 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.1	52.1
148	67.8	43.3	80.3

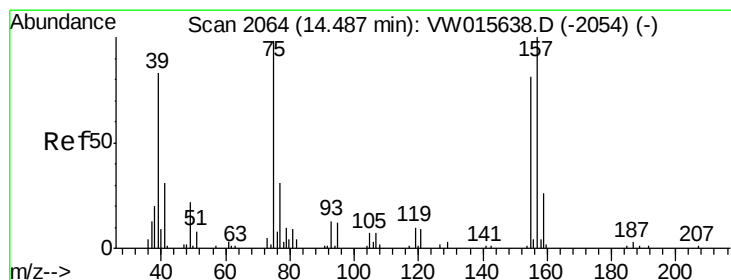
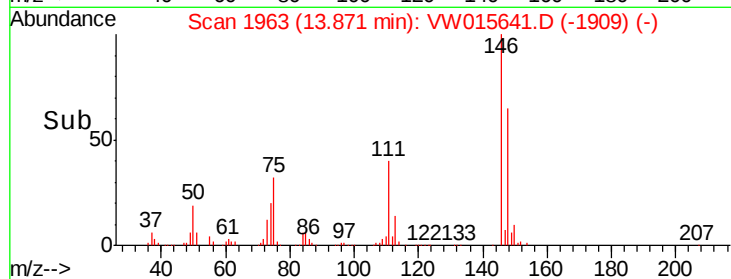
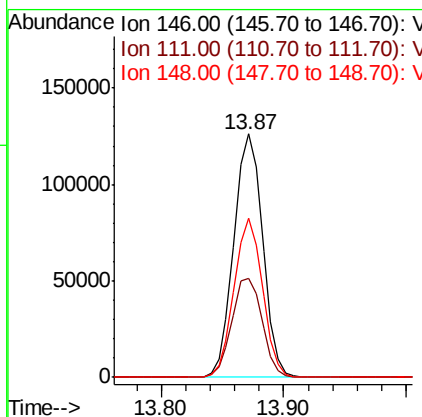
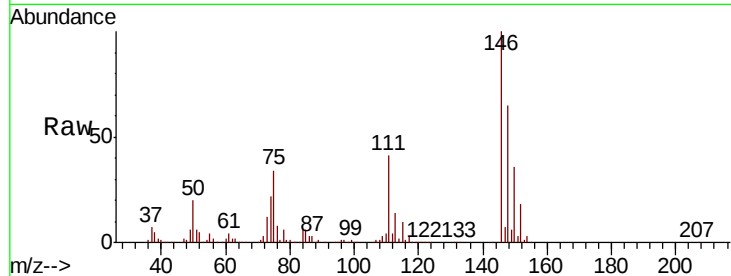




#65
 1,2-Dichlorobenzene
 Concen: 27.228 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

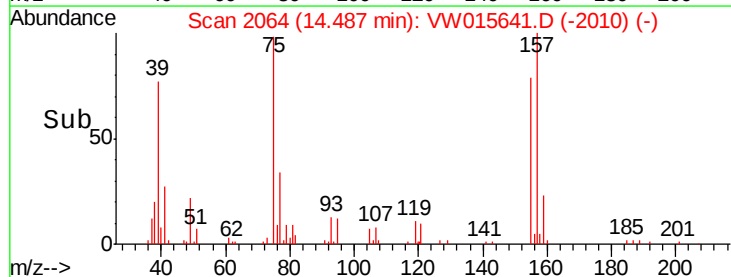
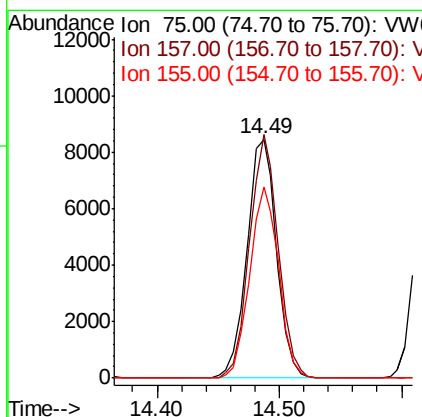
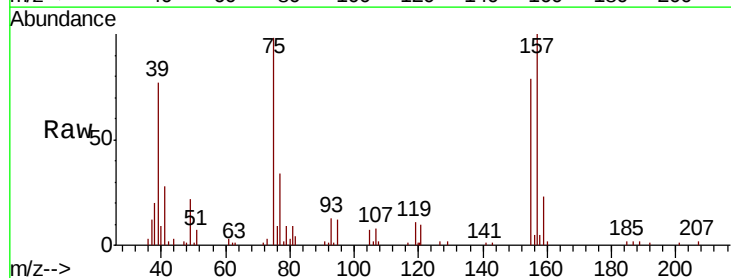
Instrument :
 MSVOA_W
 ClientSampleId :

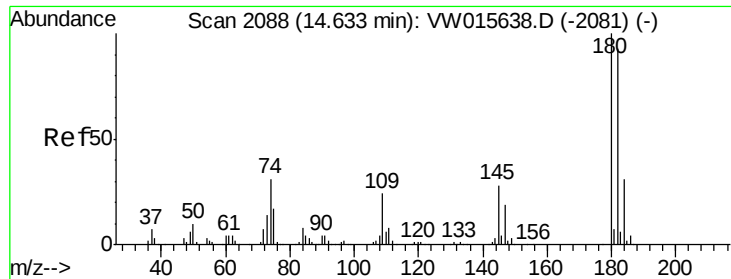
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	34.9	52.3
148	65.1	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.769 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
157	101.8	87.4	131.0
155	80.0	64.6	96.8

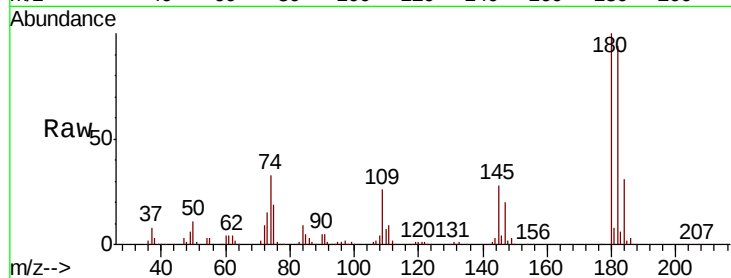




#67
 1,3,5-Trichlorobenzene
 Concen: 27.199 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	31.3	24.4	36.6
145	29.3	24.0	36.0



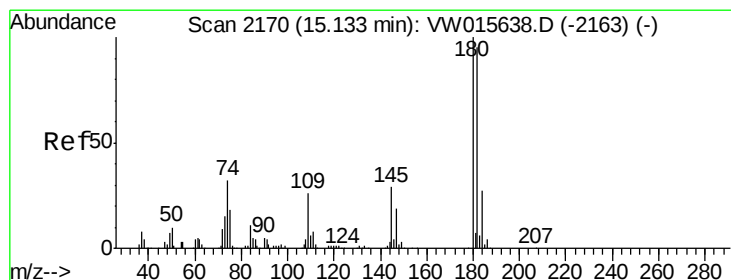
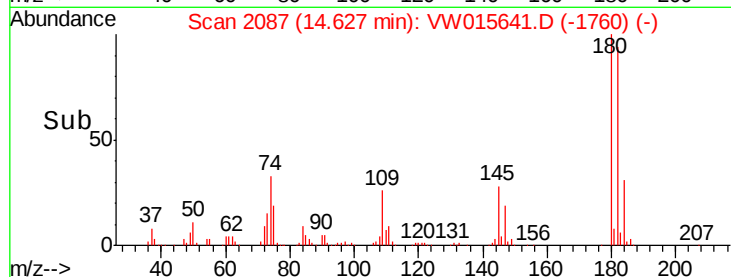
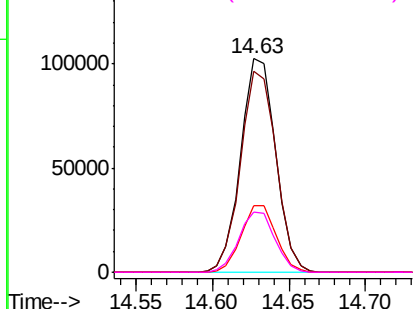
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

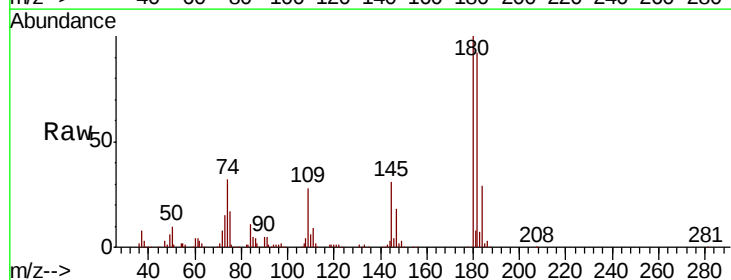
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.741 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015641.D
 Acq: 19 Jun 2020 17:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	30.4	25.2	37.8

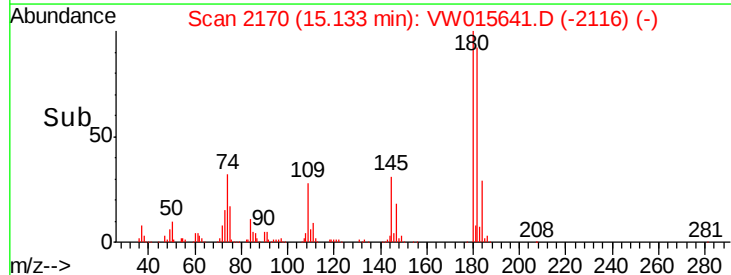
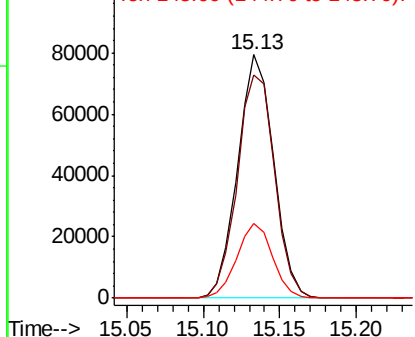


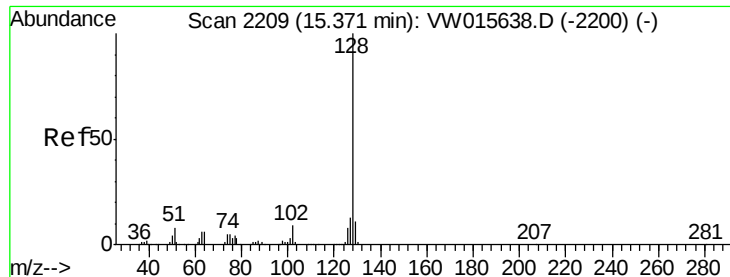
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.503 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

Instrument :

MSVOA_W

ClientSampleId :

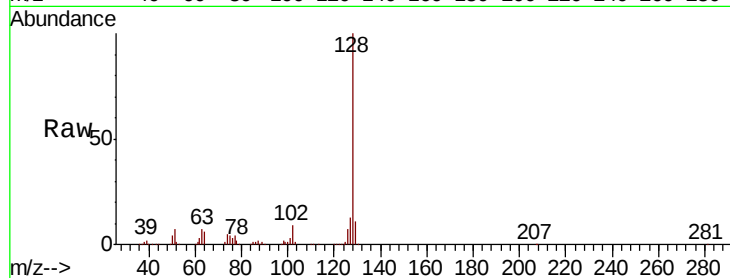
Tot Ion:128 Resp: 233048

Ion Ratio Lower Upper

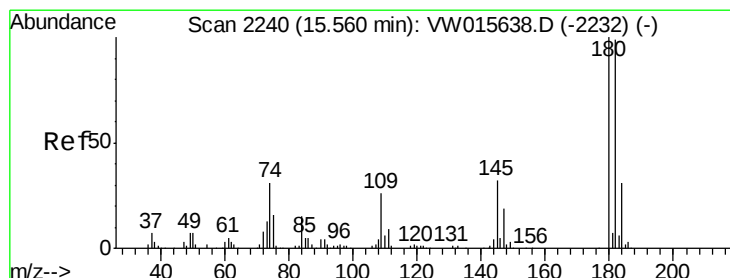
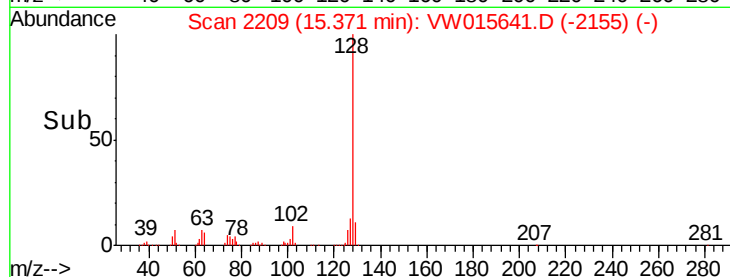
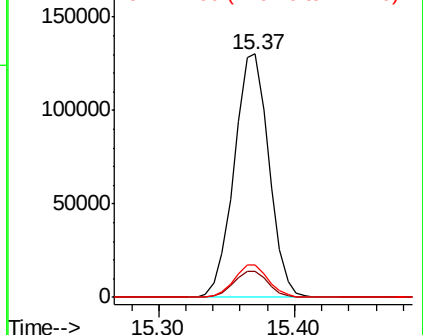
128 100

129 10.8 8.6 12.8

127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.076 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015641.D

Acq: 19 Jun 2020 17:07

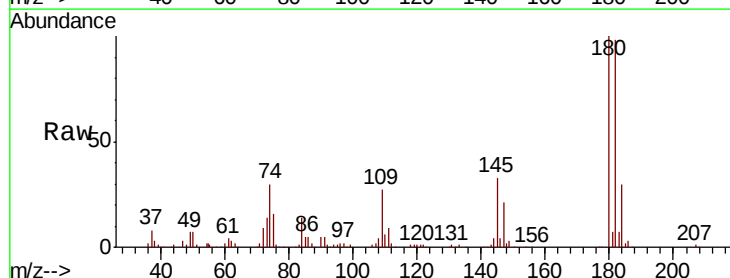
Tgt Ion:180 Resp: 111552

Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 32.7 26.7 40.1



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

