

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060820\
 Data File : VW015563.D
 Acq On : 08 Jun 2020 18:20
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 09 02:05:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	336514	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314896	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154346	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	77076	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
7) Chloroethane-d5	2.90	69	81116	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
10) 1,1-Dichloroethene-d2	4.02	63	173735	23.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.48%
20) 2-Butanone-d5	7.08	46	61607	61.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.38%
24) Chloroform-d	7.65	84	196649	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.31	65	116312	26.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.48%
29) Benzene-d6	8.28	84	371622	24.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.24%
33) 1,2-Dichloropropane-d6	9.28	67	115996	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	10.32	98	357870	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.36%
38) trans-1,3-Dichloropropene-	10.58	79	50655	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.32%
39) 2-Hexanone-d5	10.93	63	51238	63.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104248	29.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	129152	24.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	56886	19.135	ug/L 93
3) Chloromethane	2.21	50	60286	18.421	ug/L 97
5) Vinyl chloride	2.37	62	109094	22.166	ug/L 97
6) Bromomethane	2.79	94	70036	21.894	ug/L 100
8) Chloroethane	2.93	64	67910	22.668	ug/L 100
9) Trichlorofluoromethane	3.27	101	79972	22.833	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	92168	22.188	ug/L 100
12) 1,1-Dichloroethene	4.04	96	87397	21.781	ug/L 88
13) Acetone	4.12	43	42938	55.166	ug/L 98
14) Carbon disulfide	4.39	76	267089	19.953	ug/L 99
15) Methyl Acetate	4.68	43	44960	26.699	ug/L 99
16) Methylene chloride	4.92	84	97096	23.509	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	154984	24.339	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	94972	22.085	ug/L 97
19) 1,1-Dichloroethane	6.22	63	173508	22.433	ug/L 100
21) 2-Butanone	7.18	43	62103	51.939	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	101718	22.675	ug/L 99

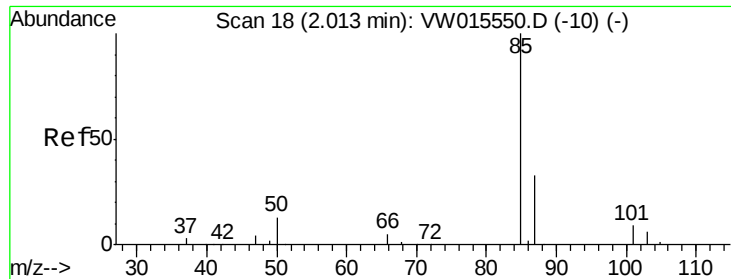
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060820\
 Data File : VW015563.D
 Acq On : 08 Jun 2020 18:20
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 09 02:05:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	46368	23.970	ug/L	97
25) Chloroform	7.68	83	180830	23.219	ug/L	100
27) 1,2-Dichloroethane	8.40	62	131611	24.980	ug/L	100
30) Cyclohexane	7.96	56	158474	20.359	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	154857	21.982	ug/L	100
32) Carbon tetrachloride	8.07	117	138819	21.485	ug/L	97
34) Benzene	8.32	78	391725	22.244	ug/L	100
35) Trichloroethene	9.09	95	103440	21.868	ug/L	98
36) Methylcyclohexane	9.34	83	180226	21.363	ug/L	100
40) 1,2-Dichloropropane	9.37	63	98963	22.820	ug/L	100
41) Bromodichloromethane	9.65	83	133476	23.039	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	158390	22.824	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	135702	53.383	ug/L	100
44) Toluene	10.39	91	432131	22.523	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	140880	23.328	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	76369	25.172	ug/L	96
47) Tetrachloroethene	10.87	164	85718	22.860	ug/L	96
49) 2-Hexanone	10.97	43	93594	54.547	ug/L	99
50) Dibromochloromethane	11.13	129	89371	24.246	ug/L	100
51) 1,2-Dibromoethane	11.24	107	73458	25.220	ug/L	99
52) Chlorobenzene	11.66	112	275704	22.910	ug/L	98
53) Ethylbenzene	11.73	91	495663	22.499	ug/L	100
54) m,p-Xylene	11.84	106	185121	22.394	ug/L	95
55) o-xylene	12.16	106	179733	22.905	ug/L	99
56) Styrene	12.18	104	313020	23.346	ug/L	99
57) Isopropylbenzene	12.46	105	493229	22.565	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94498	26.904	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	70797	26.583	ug/L	100
62) Bromoform	12.35	173	50484	23.475	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	210978	22.338	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	214100	23.135	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	196183	23.903	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16144	25.929	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	151723	23.203	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	122557	23.271	ug/L	98
69) Naphthalene	15.37	128	252423	26.397	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	112160	25.033	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.135 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

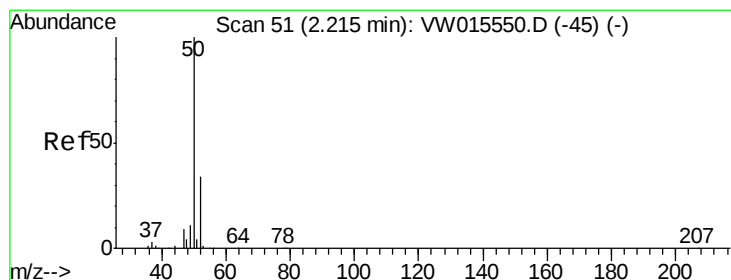
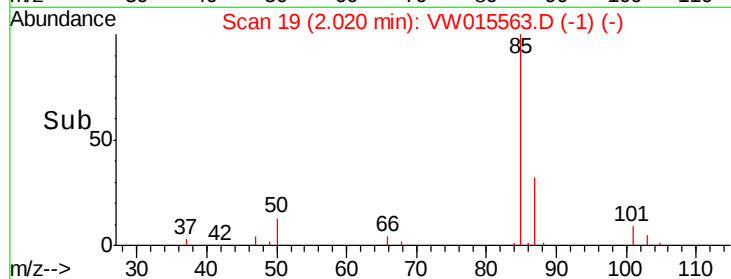
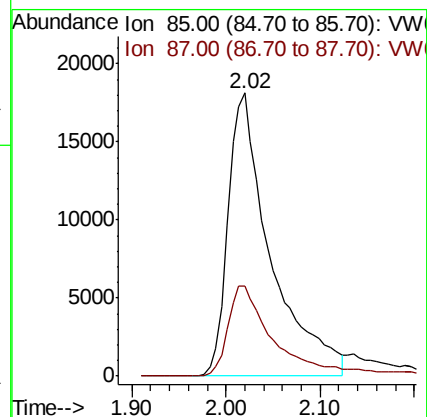
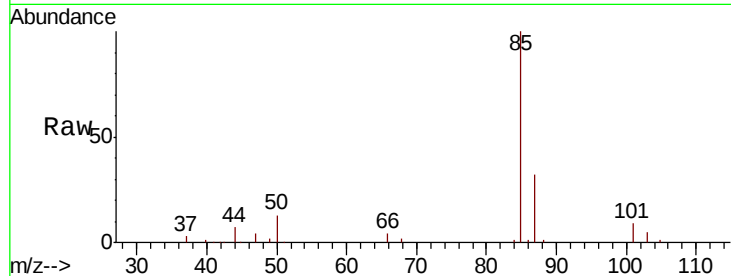
ClientSampleId :

Tot Ion: 85 Resp: 56886

Ion Ratio Lower Upper

85 100

87 34.2 21.1 39.1



#3

Chloromethane

Concen: 18.421 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015563.D

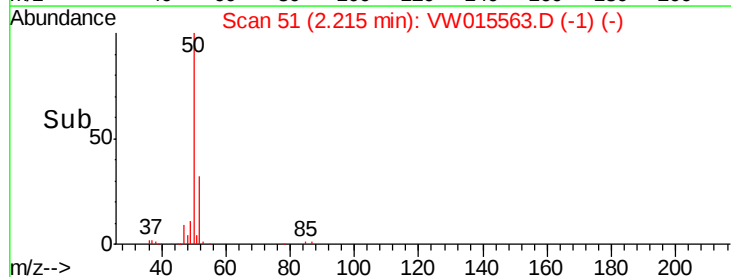
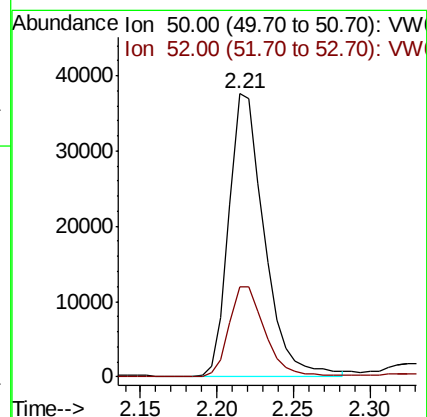
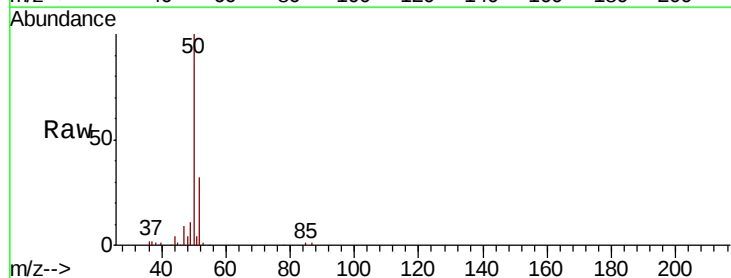
Acq: 08 Jun 2020 18:20

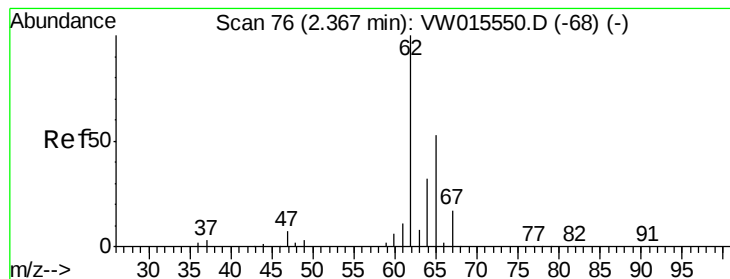
Tgt Ion: 50 Resp: 60286

Ion Ratio Lower Upper

50 100

52 31.8 23.3 43.3





#5

Vinyl chloride

Concen: 22.166 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

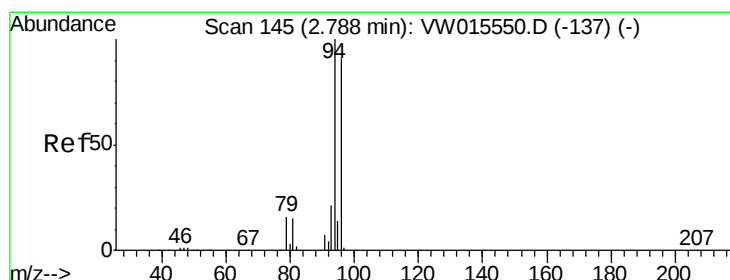
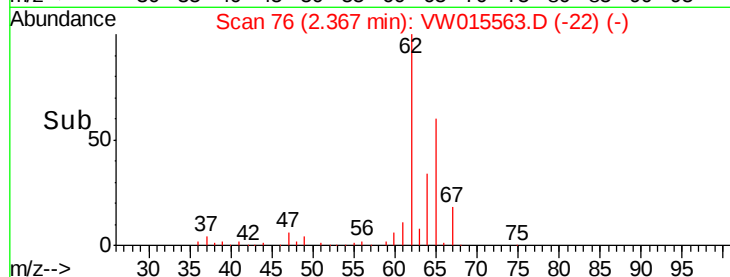
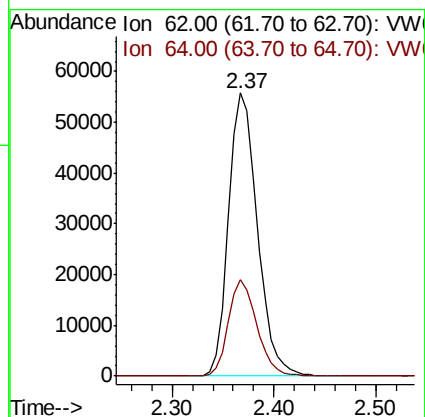
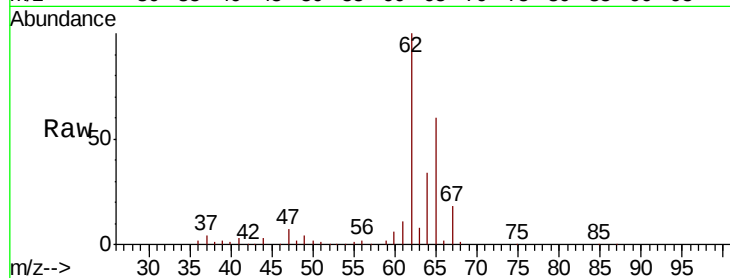
ClientSampled :

Tot Ion: 62 Resp: 109094

Ion Ratio Lower Upper

62 100

64 34.1 22.6 42.0



#6

Bromomethane

Concen: 21.894 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015563.D

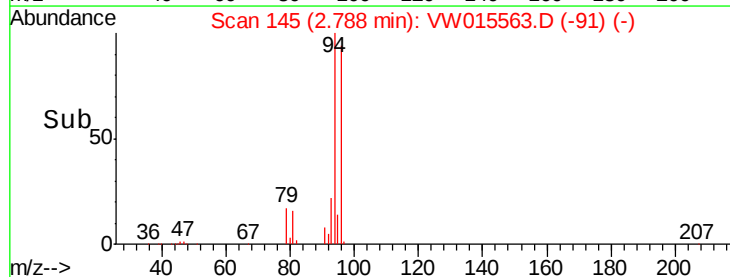
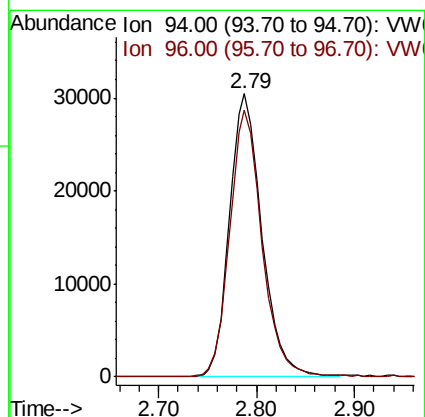
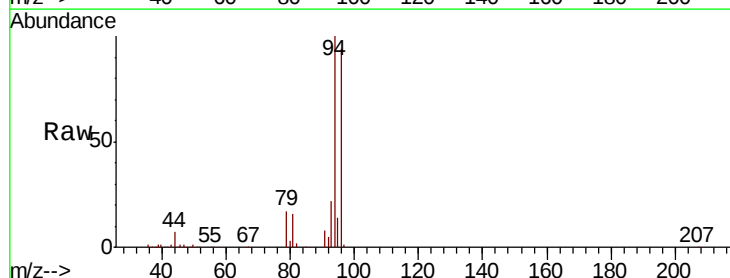
Acq: 08 Jun 2020 18:20

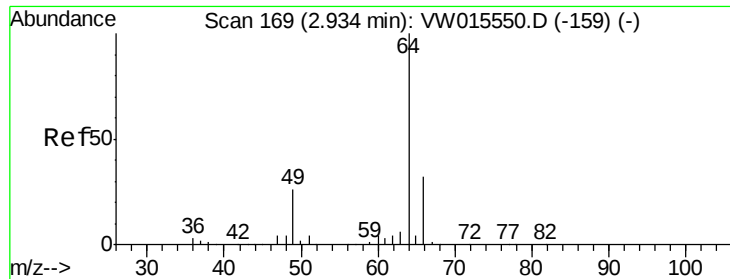
Tgt Ion: 94 Resp: 70036

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.5





#8

Chloroethane

Concen: 22.668 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

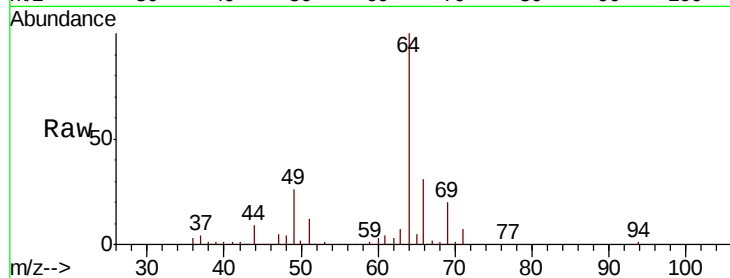
ClientSampleId :

Tot Ion: 64 Resp: 67910

Ion Ratio Lower Upper

64 100

66 31.2 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

25000

20000

15000

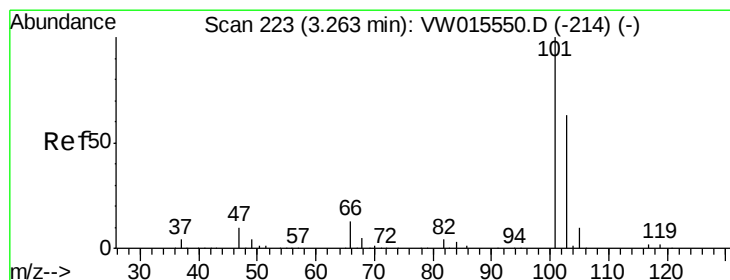
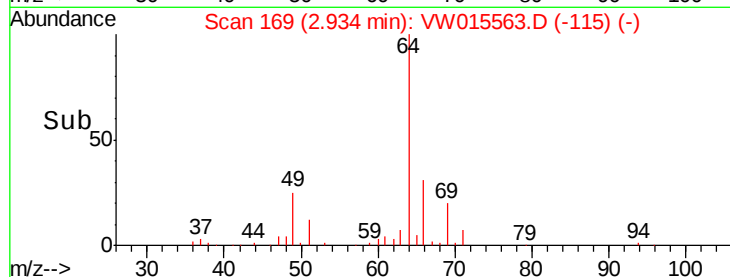
10000

5000

0

Time-->

2.90 3.00



#9

Trichlorofluoromethane

Concen: 22.833 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015563.D

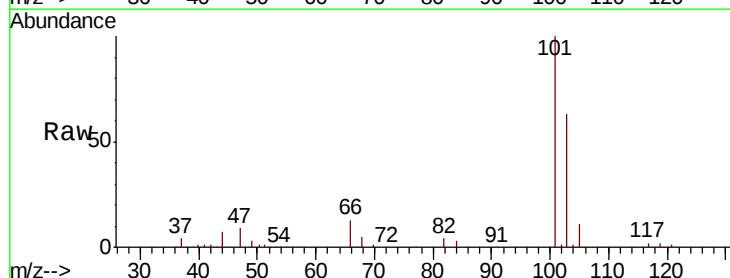
Acq: 08 Jun 2020 18:20

Tgt Ion: 101 Resp: 79972

Ion Ratio Lower Upper

101 100

103 63.7 46.6 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.27

30000

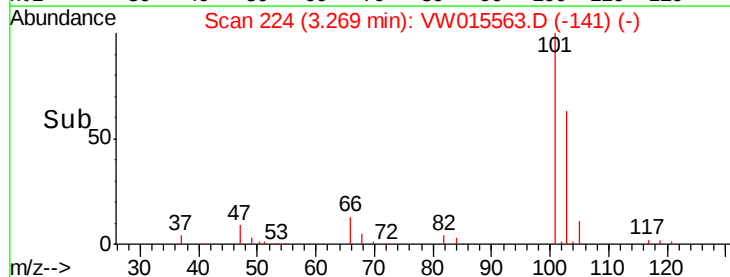
20000

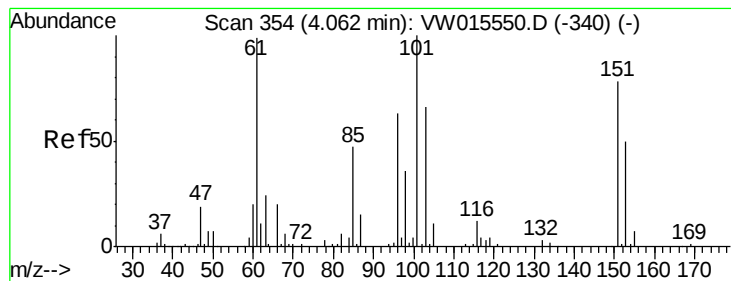
10000

0

Time-->

3.20 3.30 3.40





#11

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

Concen: 22.188 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampled :

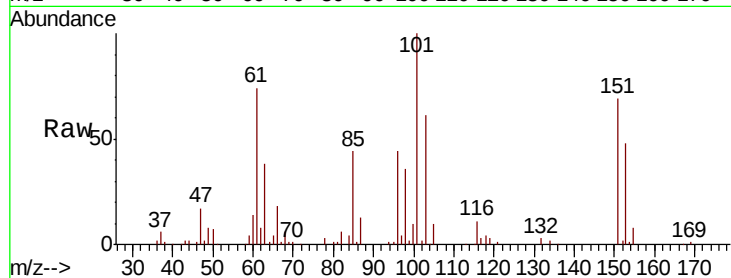
Tot Ion:101 Resp: 92168

Ion Ratio Lower Upper

101 100

85 44.1 35.1 52.7

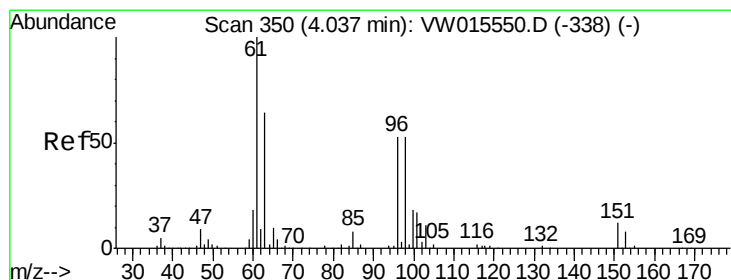
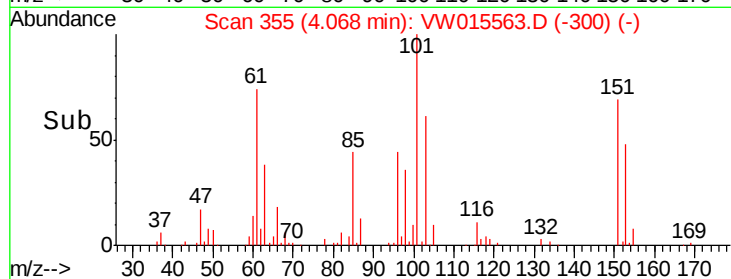
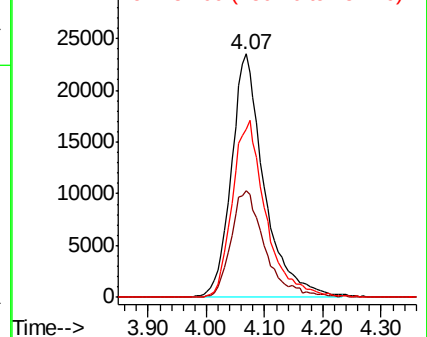
151 73.6 58.6 87.8



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: 21.781 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

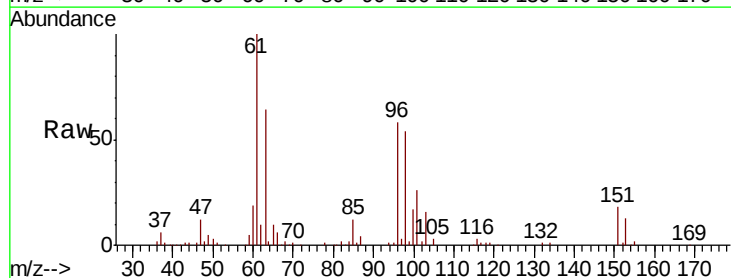
Tgt Ion: 96 Resp: 87397

Ion Ratio Lower Upper

96 100

61 171.2 127.7 237.1

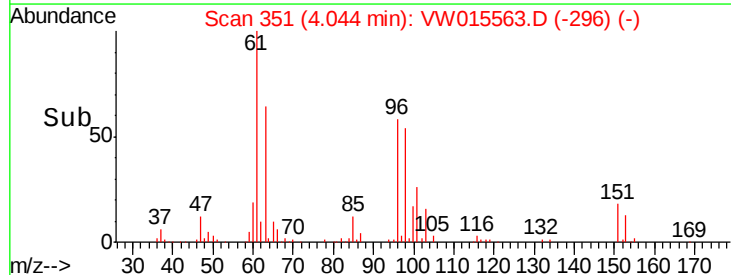
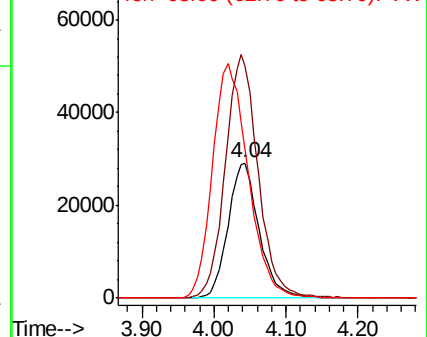
63 110.3 92.3 171.5

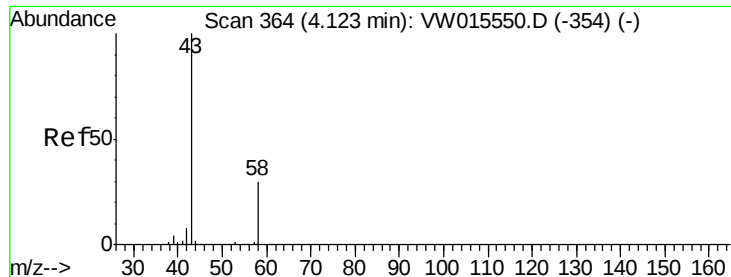


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.166 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

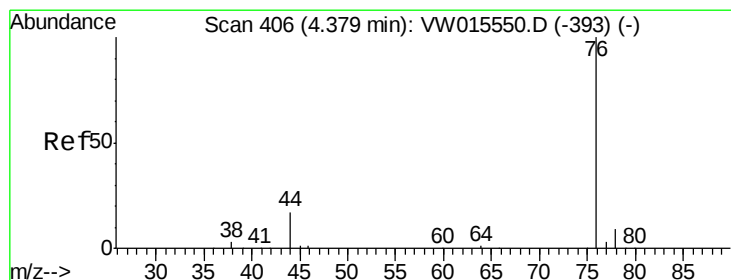
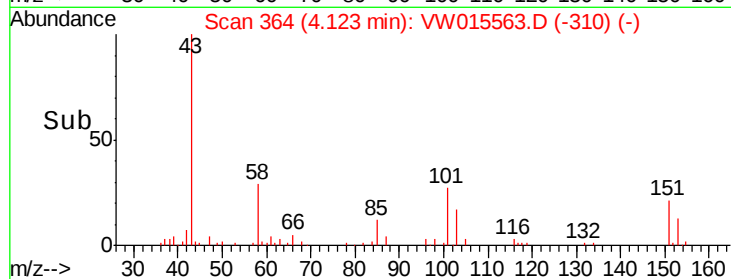
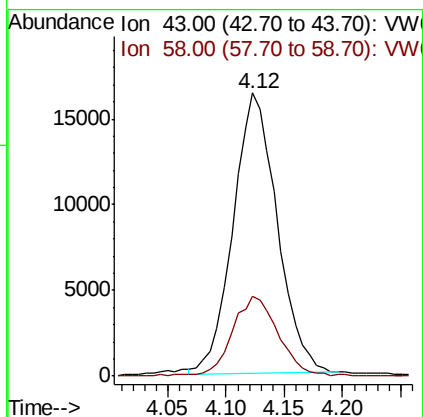
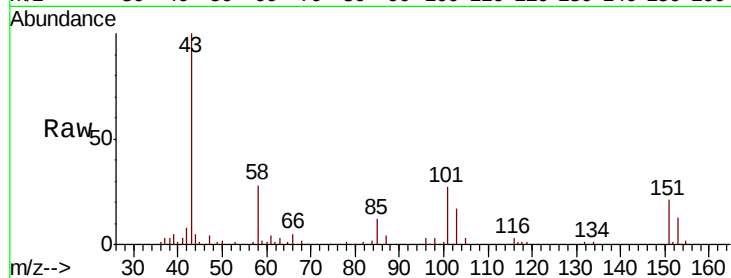
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 42938

Ion Ratio Lower Upper

43 100

58 29.6 0.0 56.8



#14

Carbon disulfide

Concen: 19.953 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015563.D

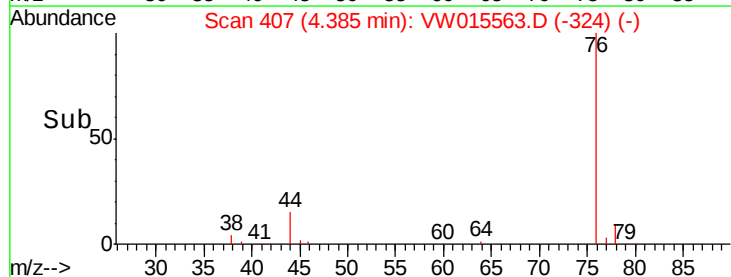
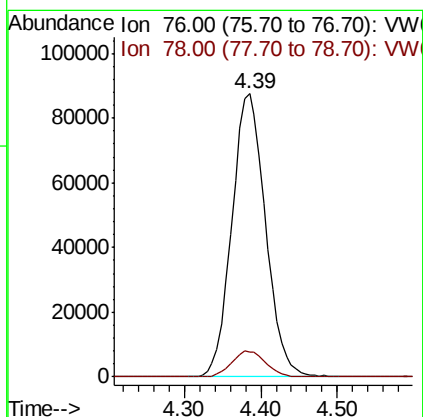
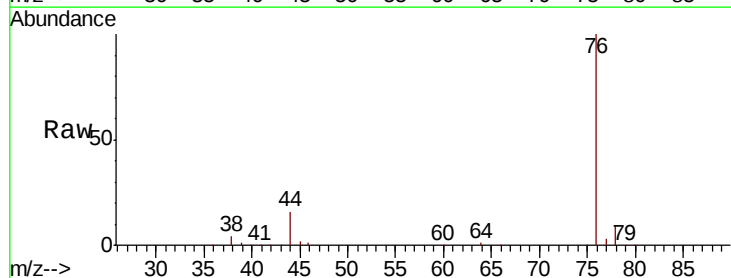
Acq: 08 Jun 2020 18:20

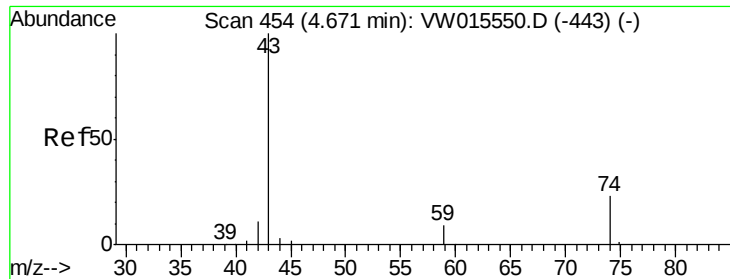
Tgt Ion: 76 Resp: 267089

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methvl Acetate

Concen: 26.699 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

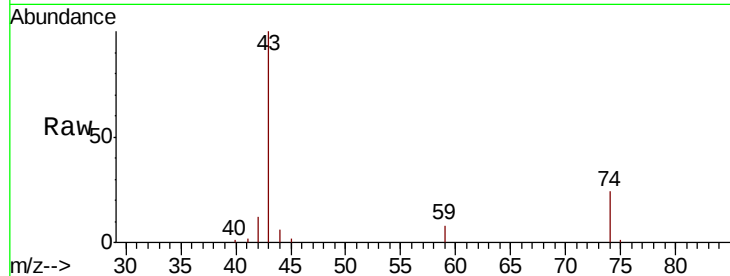
ClientSampleId :

Tot Ion: 43 Resp: 44960

Ion Ratio Lower Upper

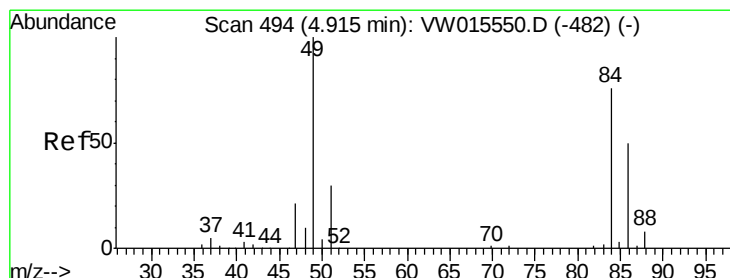
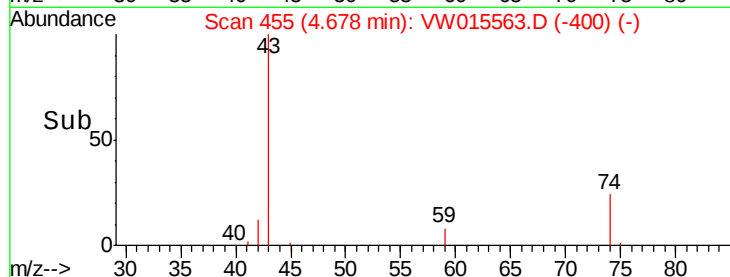
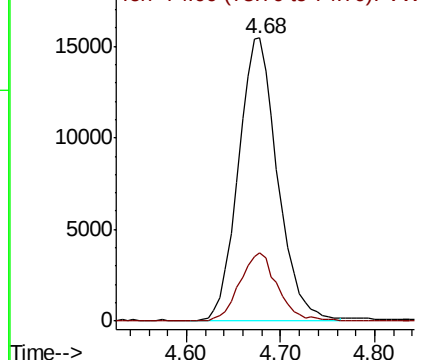
43 100

74 23.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.509 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

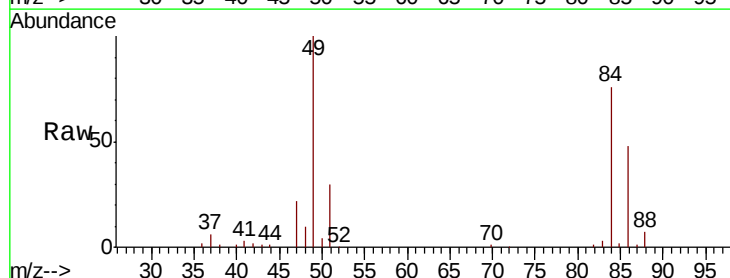
Tgt Ion: 84 Resp: 97096

Ion Ratio Lower Upper

84 100

49 131.4 93.0 172.8

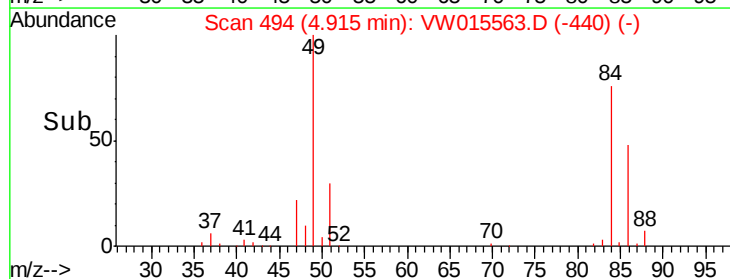
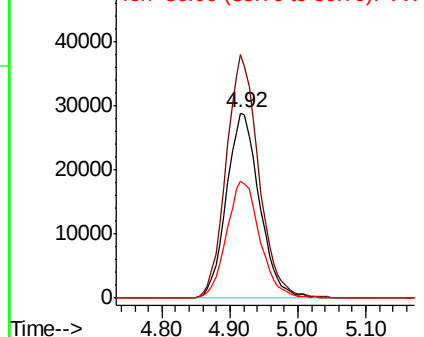
86 63.0 44.7 83.1

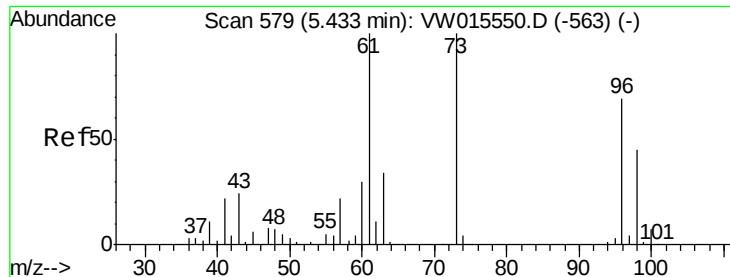


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

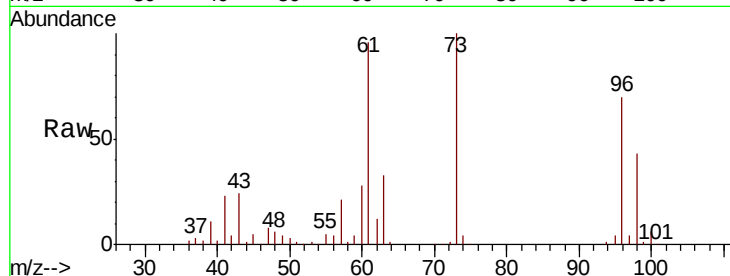




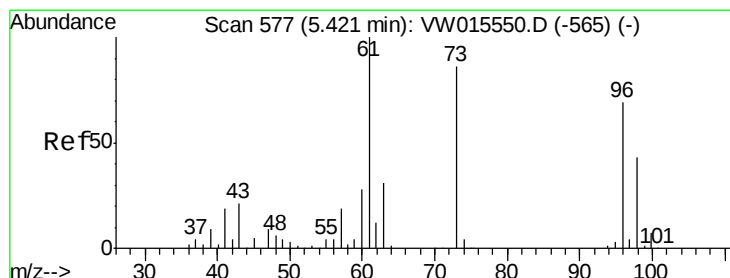
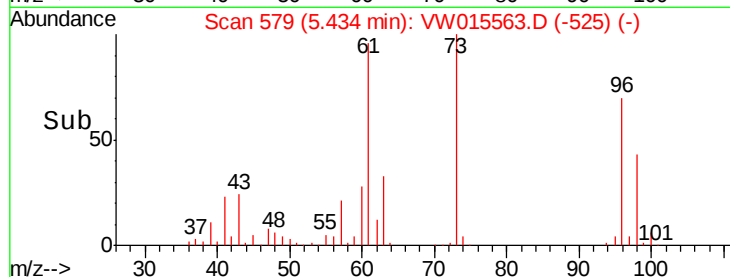
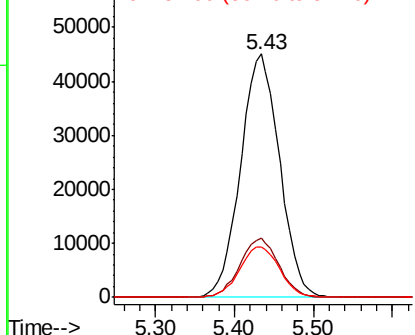
#17
Methvl tert-butvl Ether
Concen: 24.339 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 154984
Ion Ratio Lower Upper
73 100
43 24.1 19.6 29.4
57 21.3 17.7 26.5

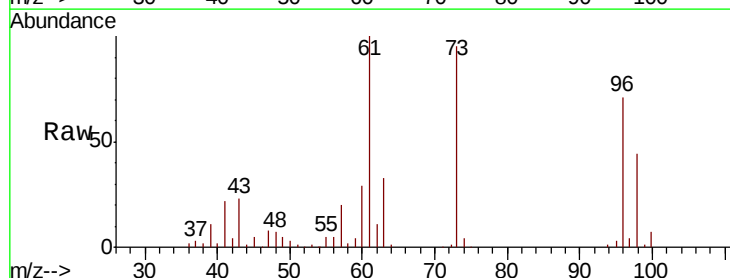


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

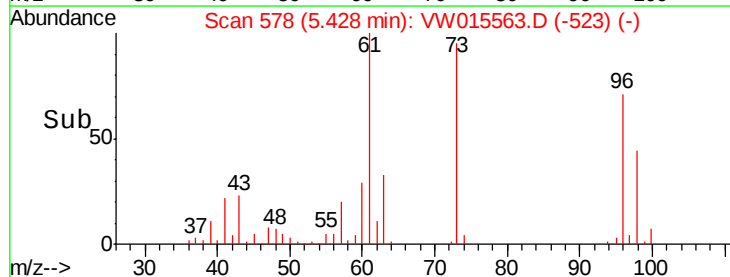
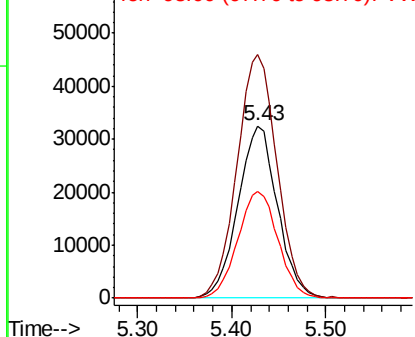


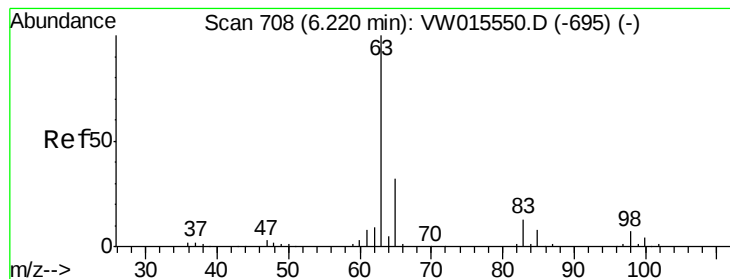
#18
trans-1,2-Dichloroethene
Concen: 22.085 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 96 Resp: 94972
Ion Ratio Lower Upper
96 100
61 141.4 101.9 189.3
98 62.1 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: 22.433 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

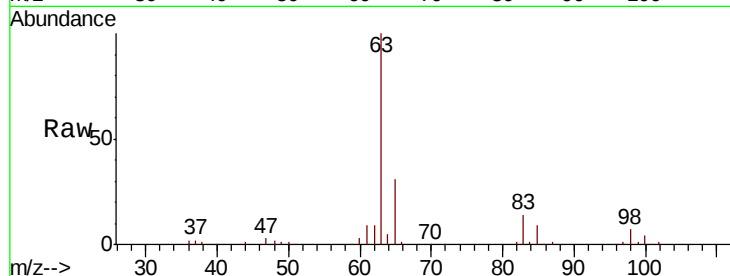
Tot Ion: 63 Resp: 173508

Ion Ratio Lower Upper

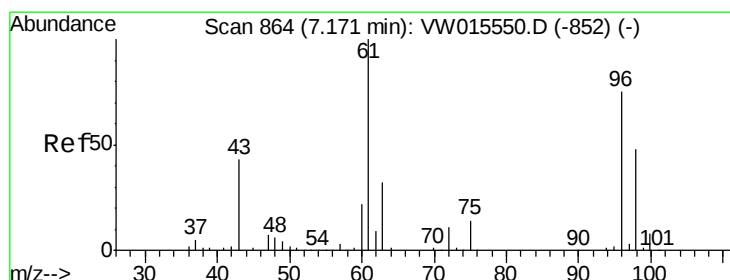
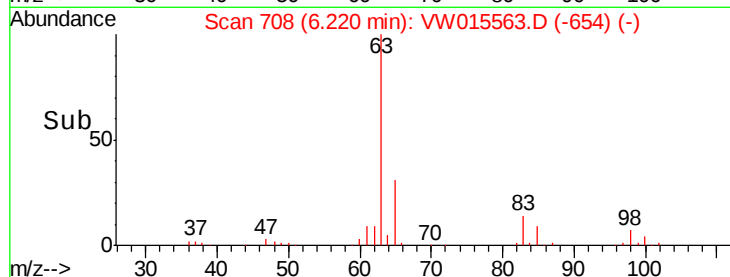
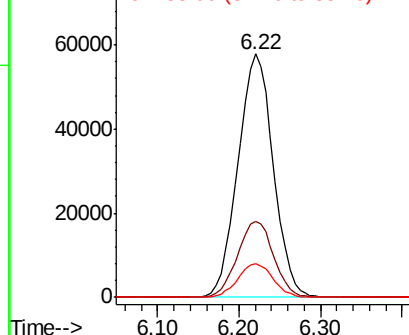
63 100

65 31.3 22.1 41.1

83 13.8 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: 51.939 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015563.D

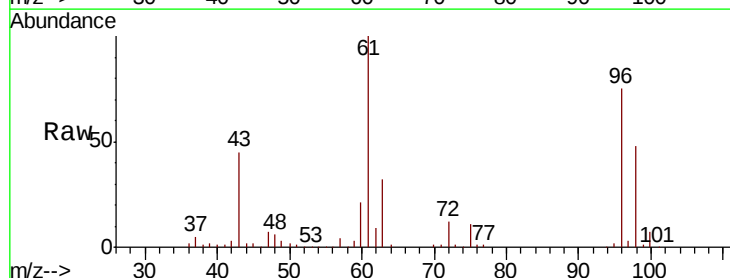
Acq: 08 Jun 2020 18:20

Tgt Ion: 43 Resp: 62103

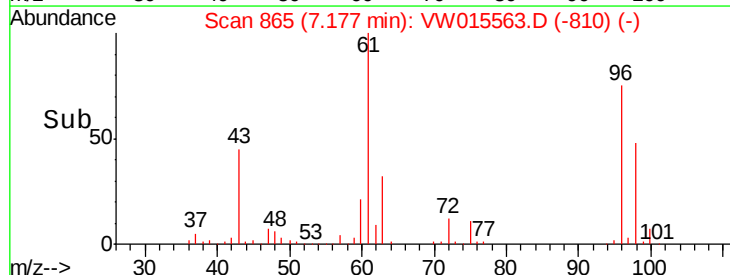
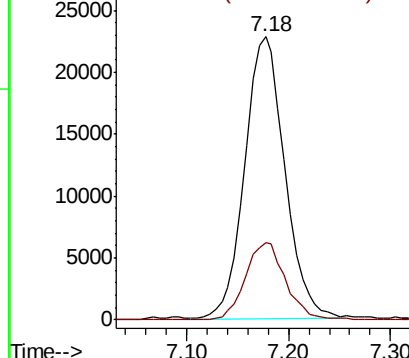
Ion Ratio Lower Upper

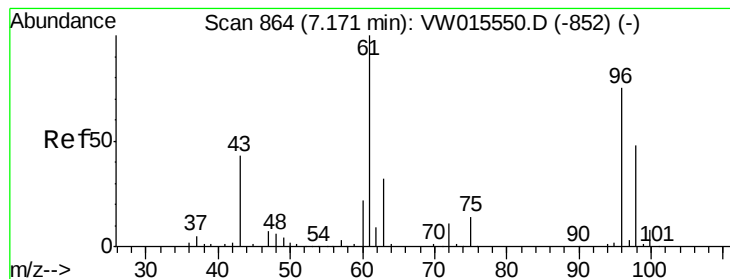
43 100

72 27.4 13.3 39.9



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



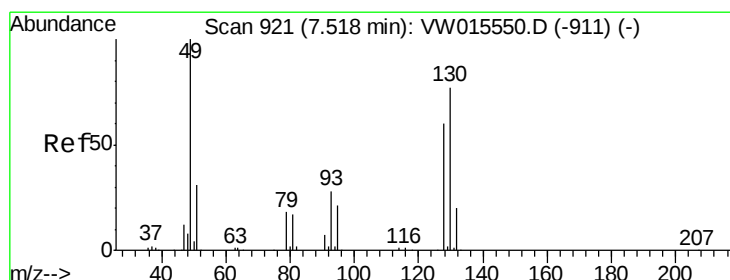
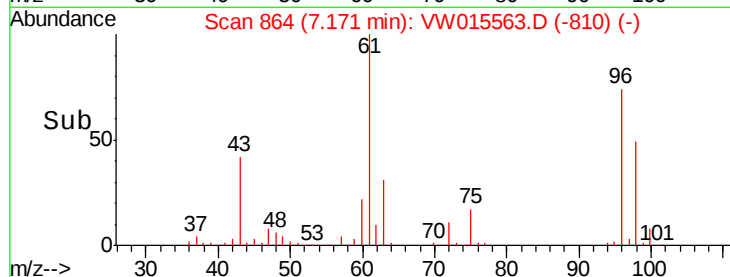
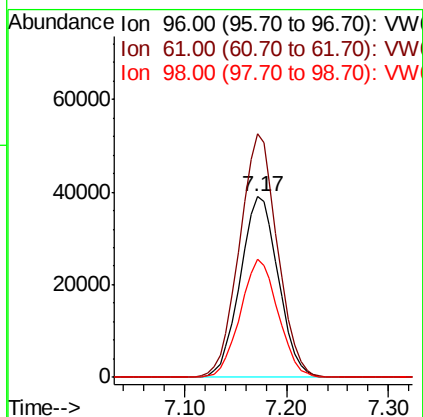
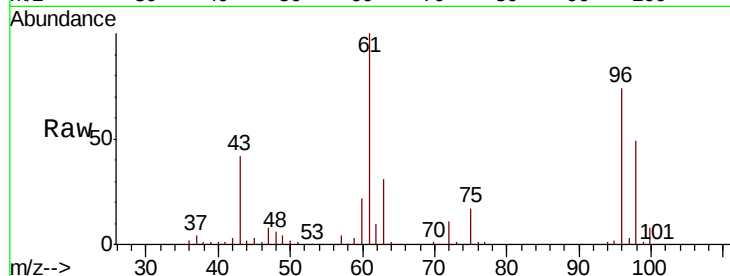


#22

cis-1,2-Dichloroethene
 Concen: 22.675 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Instrument :
 MSVOA_W
 ClientSampleId :

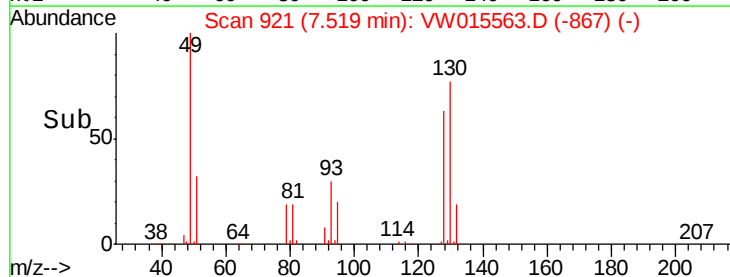
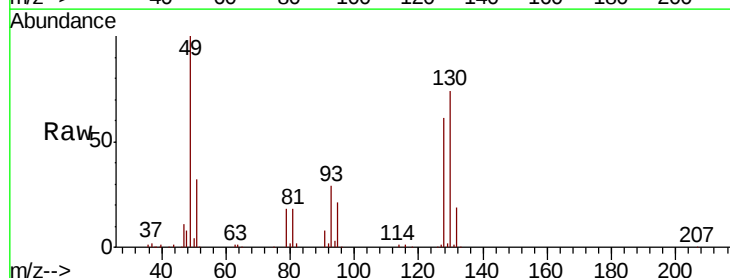
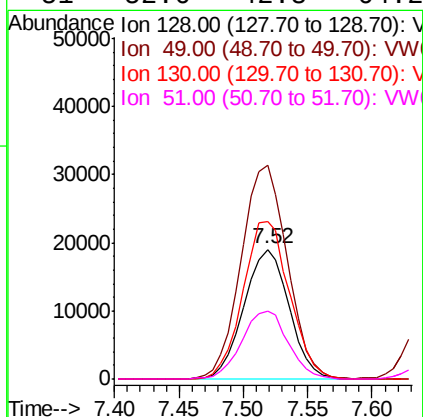
Tot Ion: 96 Resp: 101718
 Ion Ratio Lower Upper
 96 100
 61 135.1 93.7 173.9
 98 65.7 45.1 83.9

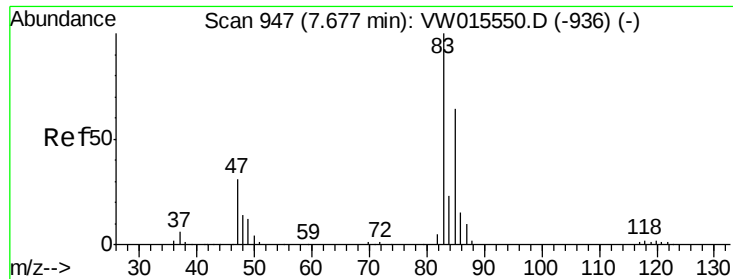


#23

Bromochloromethane
 Concen: 23.970 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion:128 Resp: 46368
 Ion Ratio Lower Upper
 128 100
 49 165.0 118.1 219.3
 130 122.0 88.5 164.3
 51 52.6 42.8 64.2

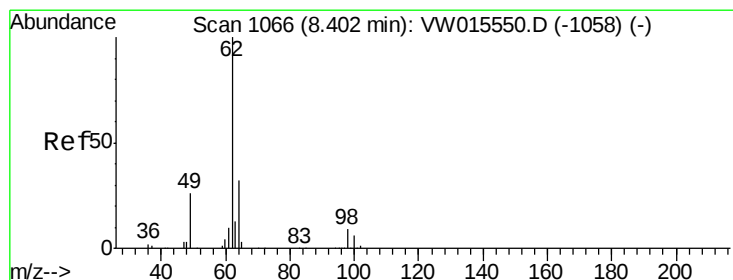
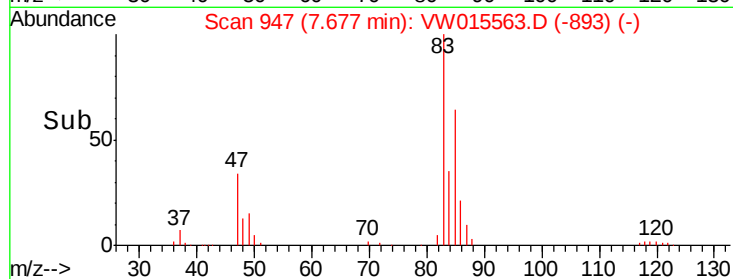
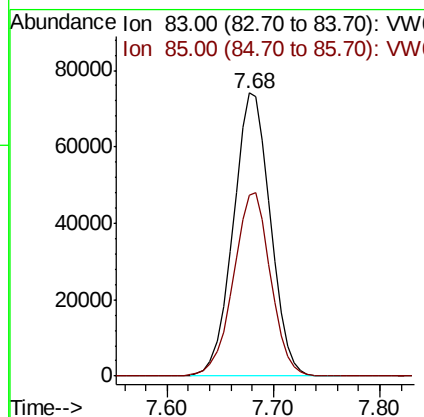
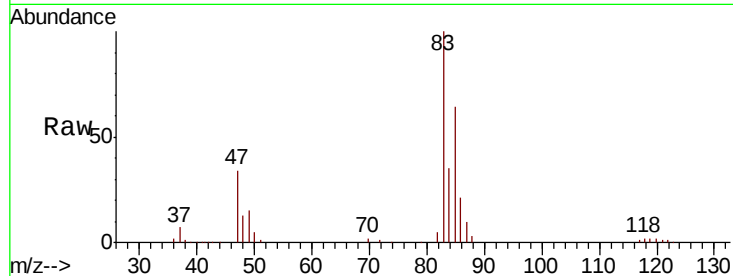




#25
Chloroform
Concen: 23.219 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

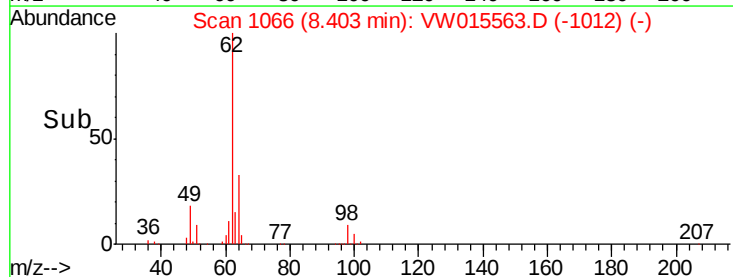
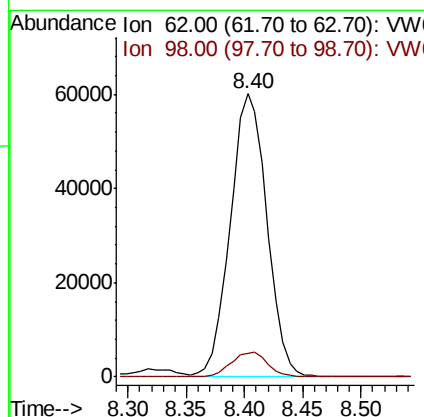
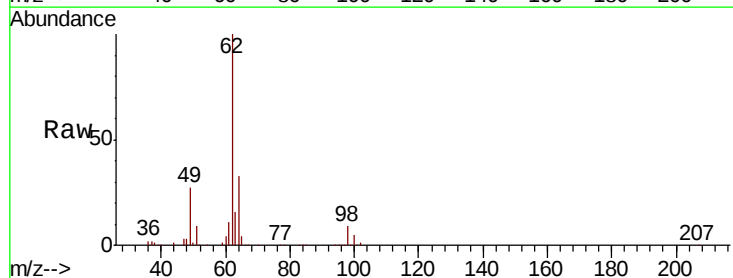
Instrument :
MSVOA_W
ClientSampled :

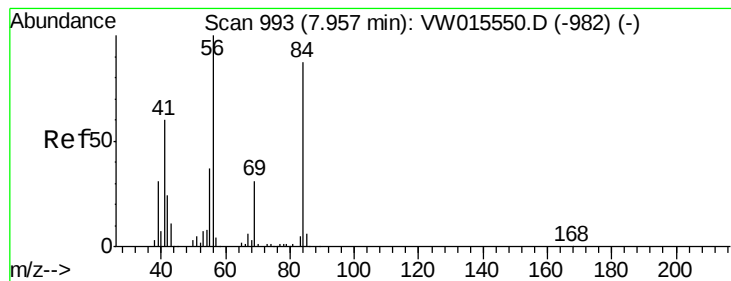
Tot Ion: 83 Resp: 180830
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.980 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 62 Resp: 131611
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4





#30

Cvclohexane

Concen: 20.359 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :
MSVOA_W
ClientSampleId :

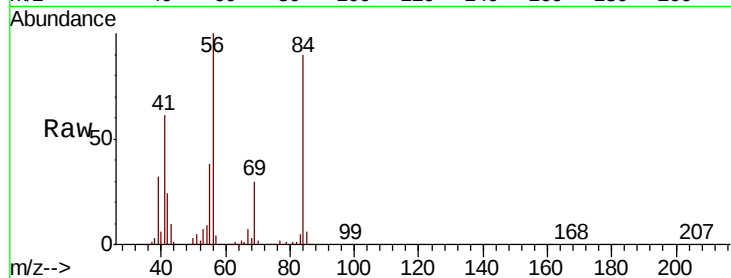
Tot Ion: 56 Resp: 158474

Ion Ratio Lower Upper

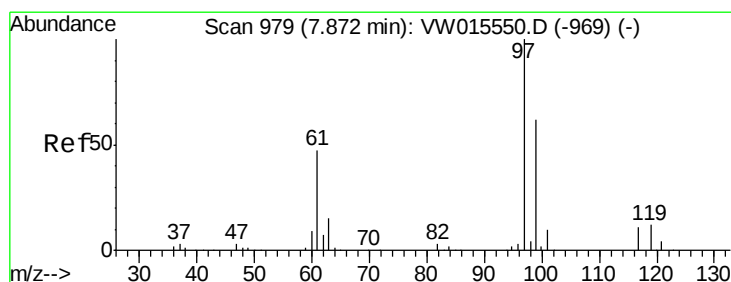
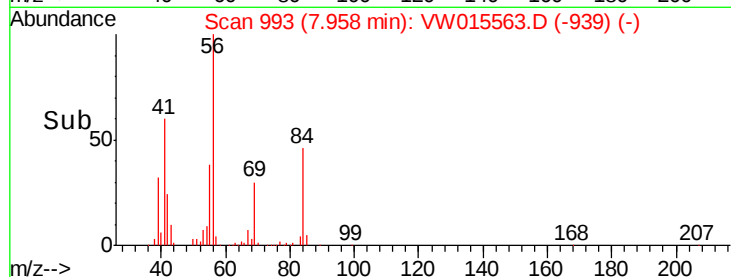
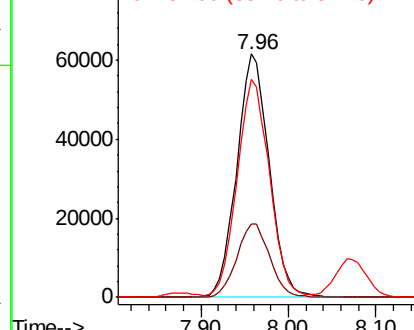
56 100

69 30.8 24.6 37.0

84 89.7 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 21.982 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

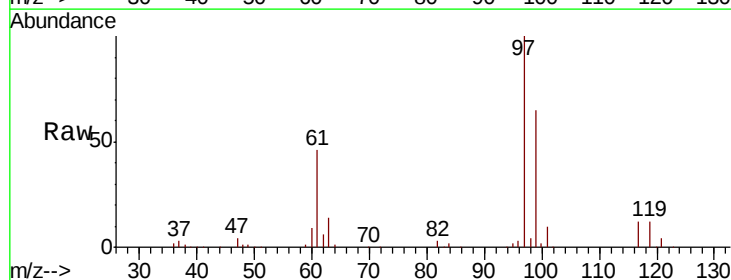
Tgt Ion: 97 Resp: 154857

Ion Ratio Lower Upper

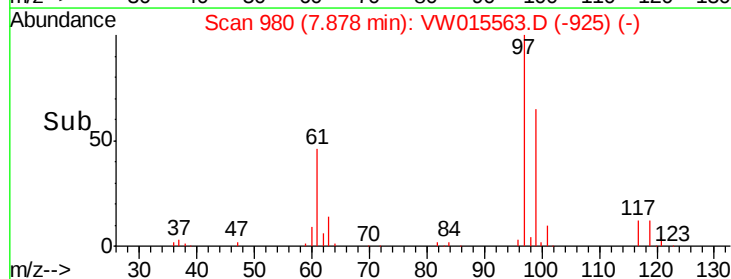
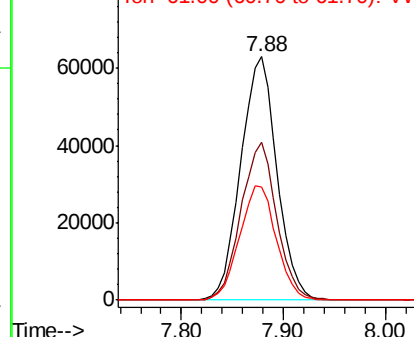
97 100

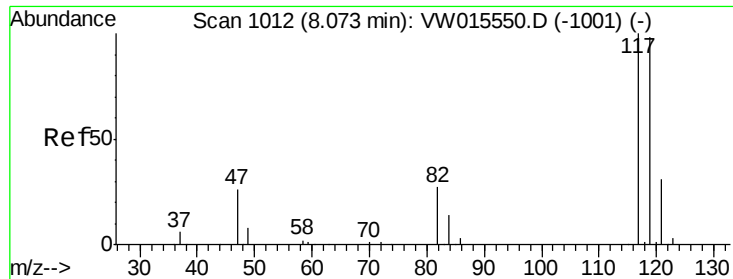
99 64.3 51.4 77.0

61 47.9 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 21.485 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

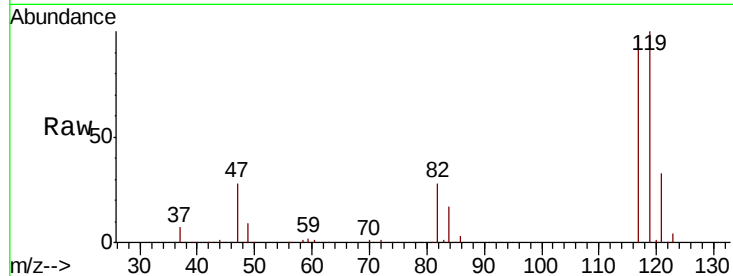
ClientSampleId :

Tot Ion:117 Resp: 138819

Ion Ratio Lower Upper

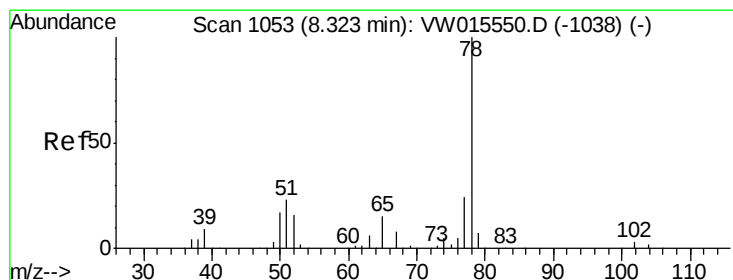
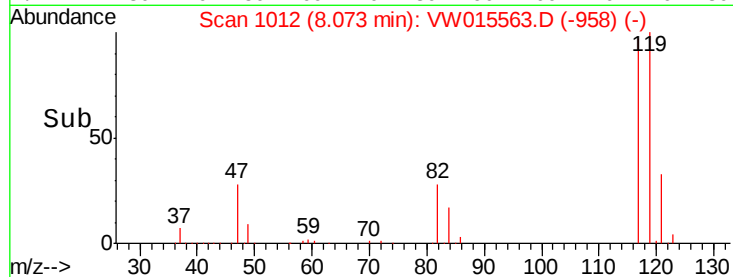
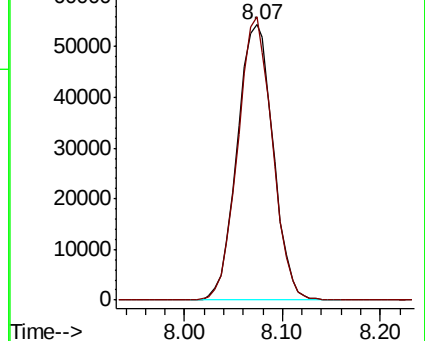
117 100

119 98.3 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: 22.244 ug/L

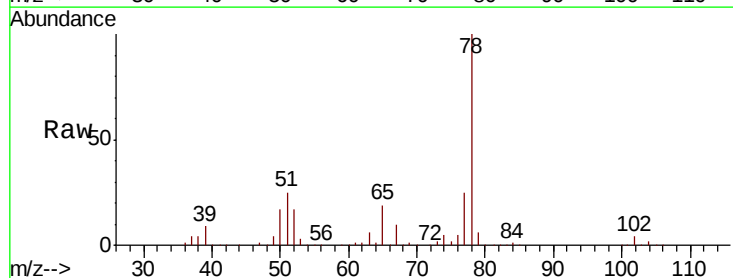
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

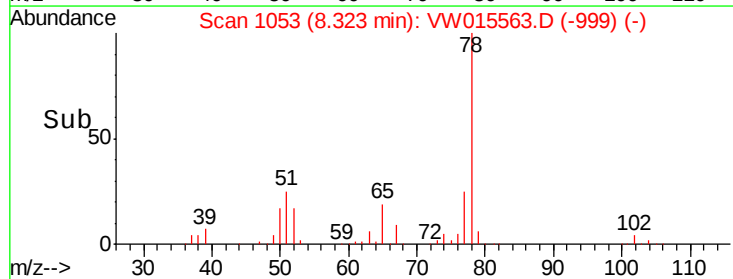
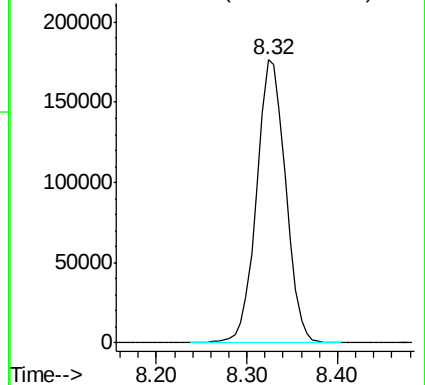
Lab File: VW015563.D

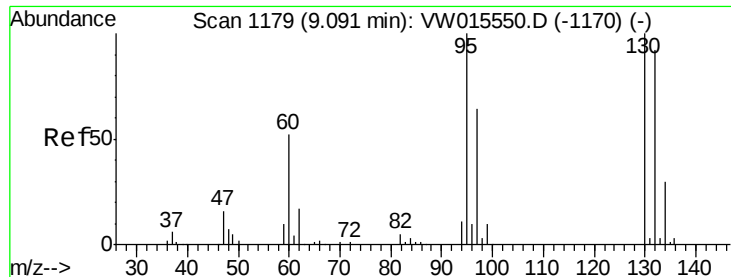
Acq: 08 Jun 2020 18:20

Tgt Ion: 78 Resp: 391725



Abundance Ion 78.00 (77.70 to 78.70): VW

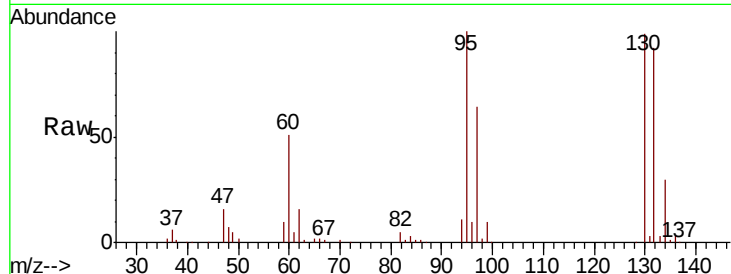




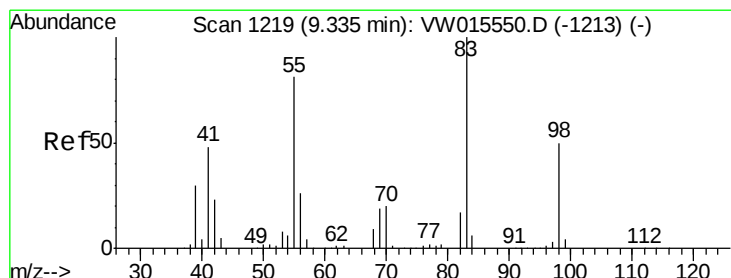
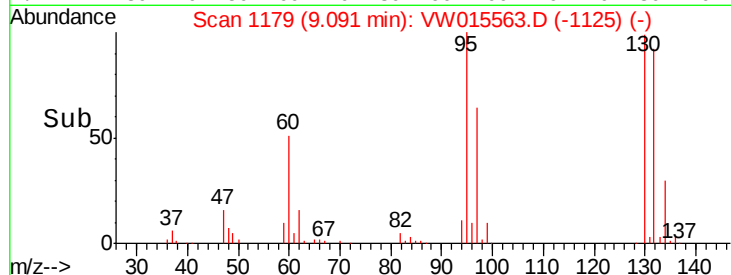
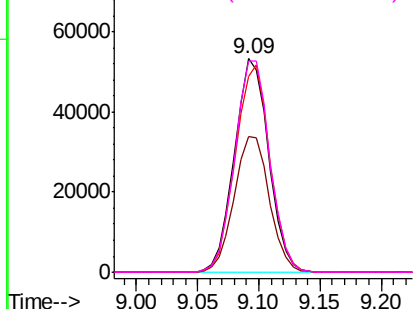
#35
 Trichloroethene
 Concen: 21.868 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 103440
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.4 84.2
 132 98.0 67.1 124.7
 130 101.6 69.4 128.8

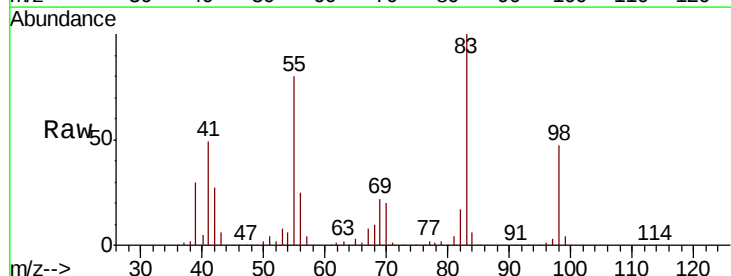


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

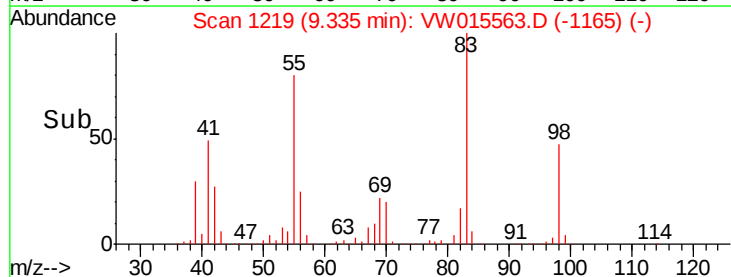
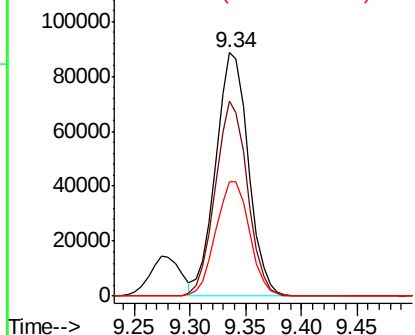


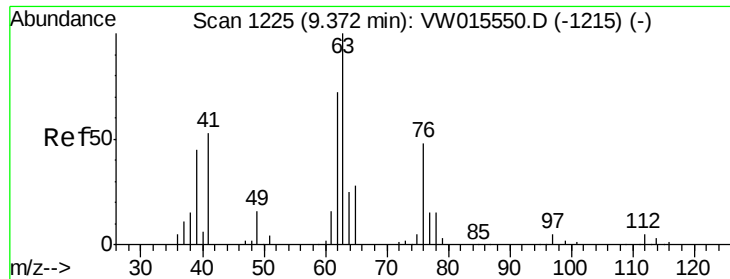
#36
 Methylcyclohexane
 Concen: 21.363 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion: 83 Resp: 180226
 Ion Ratio Lower Upper
 83 100
 55 78.7 62.8 94.2
 98 48.8 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

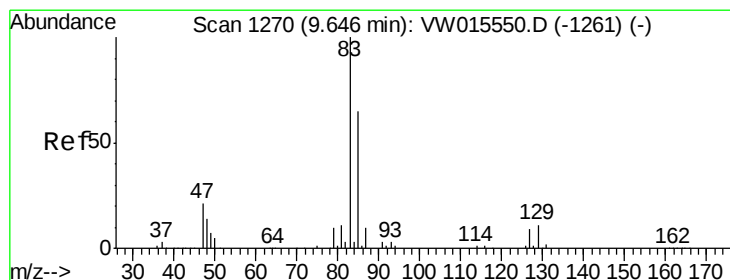
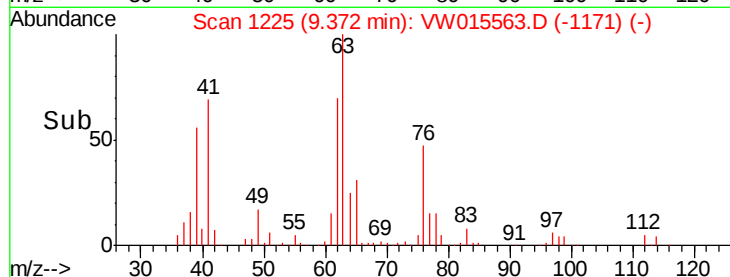
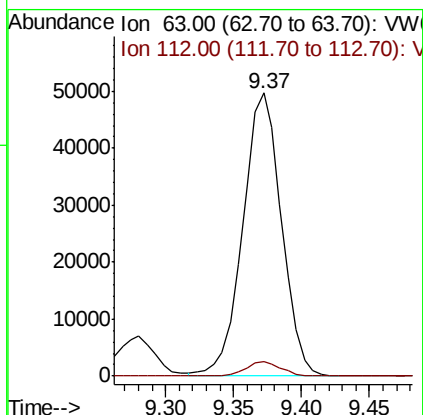
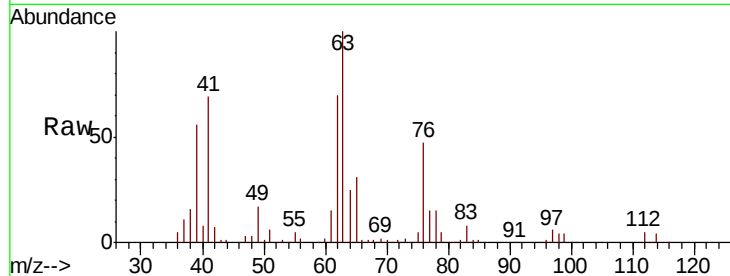




#40
 1,2-Dichloropropane
 Concen: 22.820 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

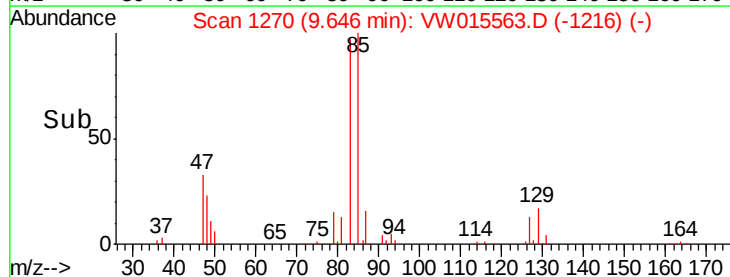
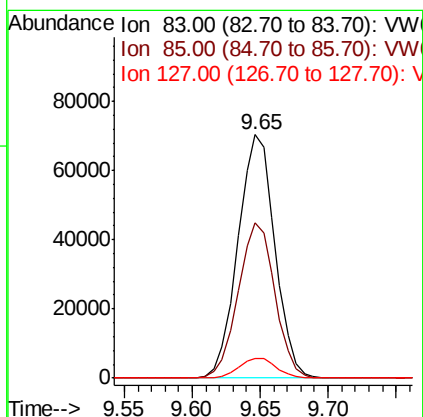
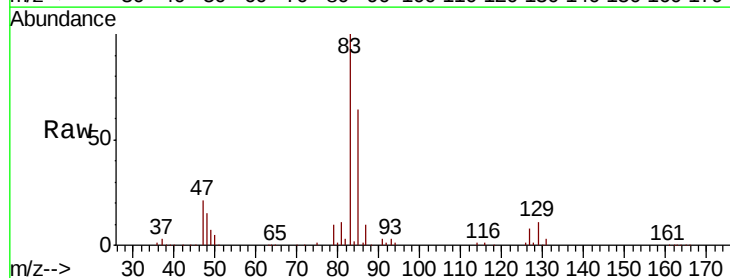
Instrument :
 MSVOA_W
 ClientSampled :

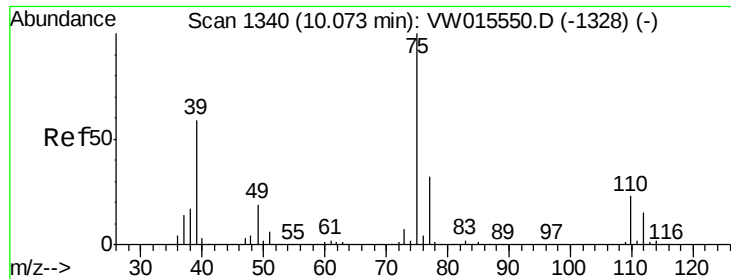
Tot Ion: 63 Resp: 98963
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 23.039 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion: 83 Resp: 133476
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.8 83.2
 127 8.1 7.0 10.6

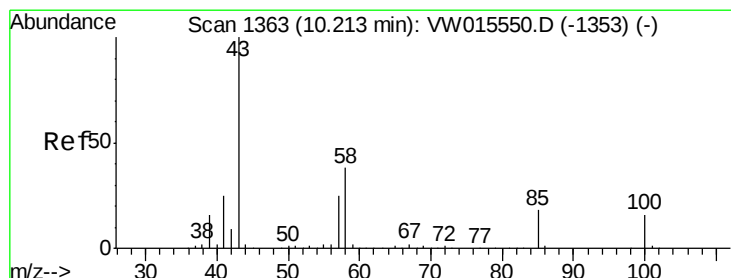
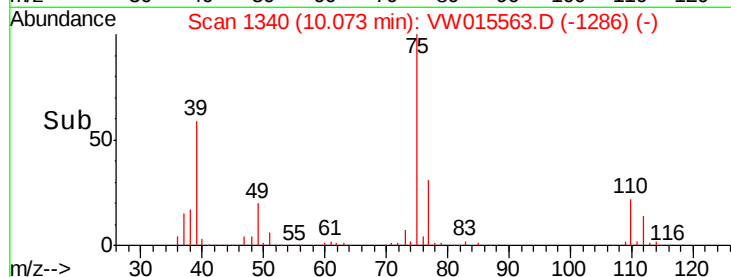
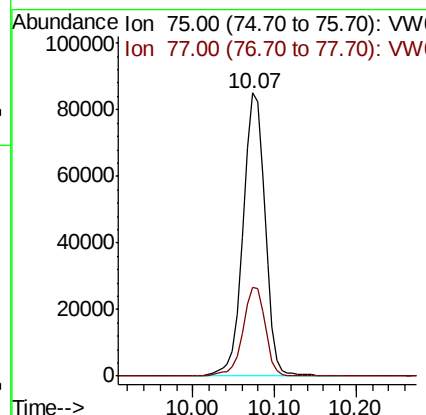
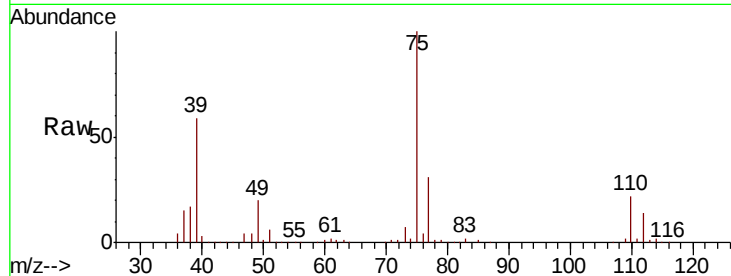




#42
 cis-1,3-Dichloropropene
 Concen: 22.824 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

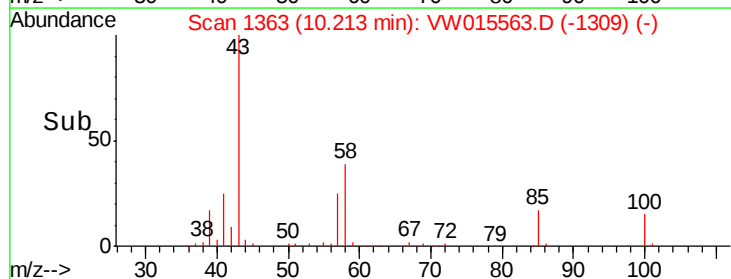
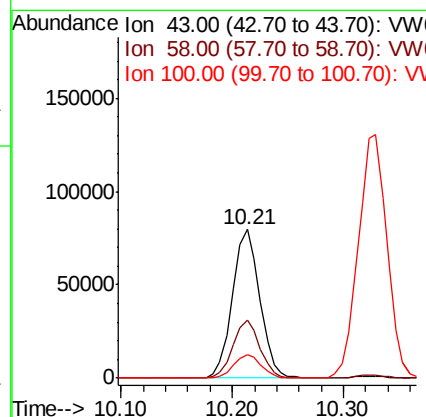
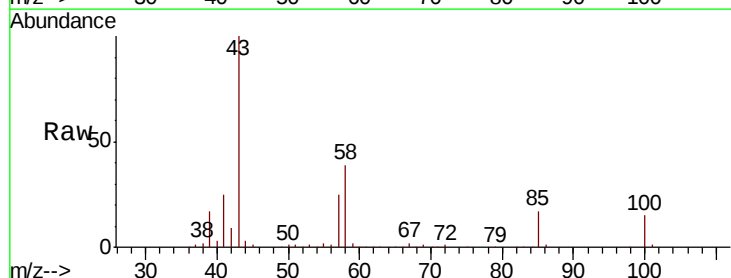
Instrument :
 MSVOA_W
 ClientSampled :

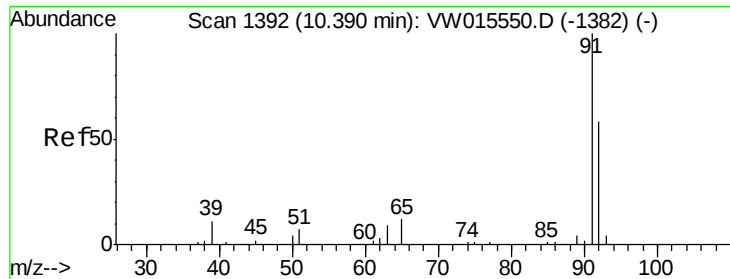
Tot Ion: 75 Resp: 158390
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 53.383 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion: 43 Resp: 135702
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0
 100 15.7 12.5 18.7





#44

Toluene

Concen: 22.523 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

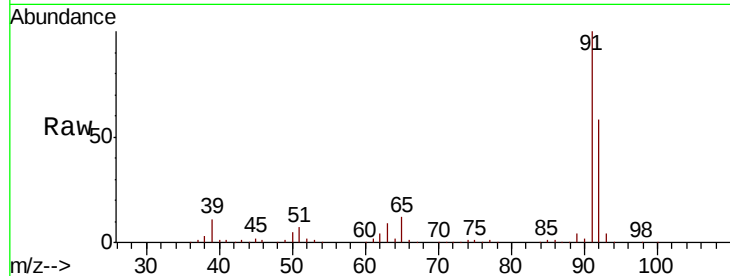
ClientSampled :

Tot Ion: 91 Resp: 432131

Ion Ratio Lower Upper

91 100

92 58.0 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

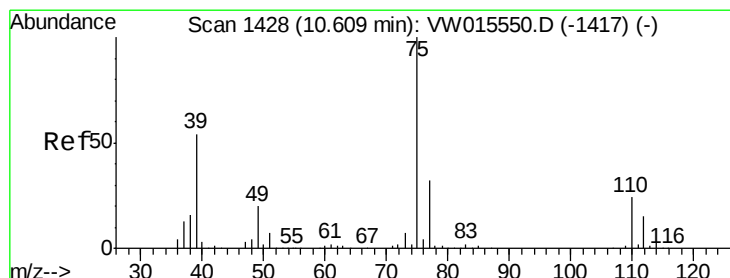
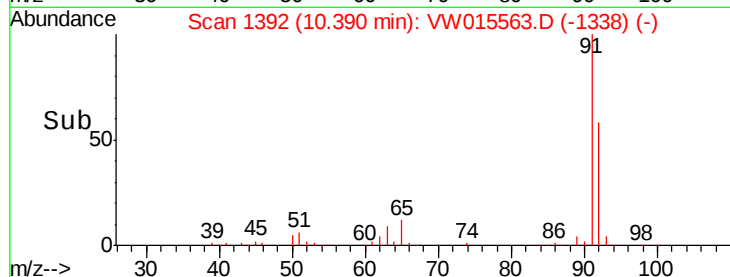
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.328 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015563.D

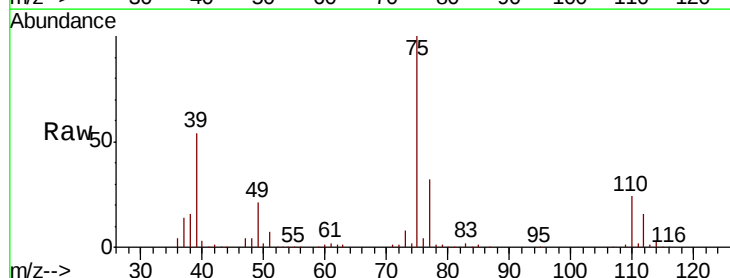
Acq: 08 Jun 2020 18:20

Tgt Ion: 75 Resp: 140880

Ion Ratio Lower Upper

75 100

77 32.1 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

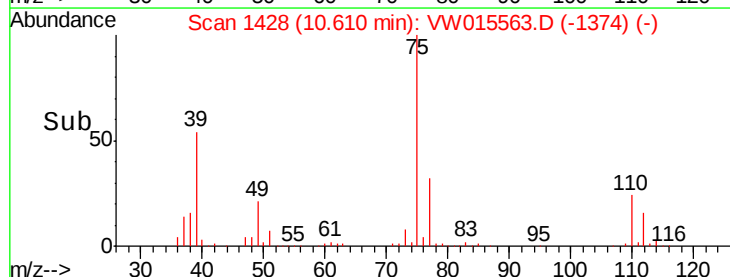
60000

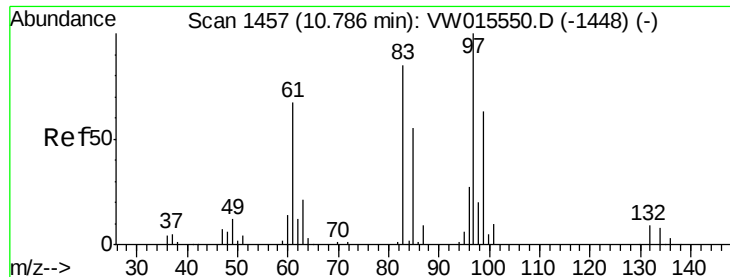
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.172 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 76369

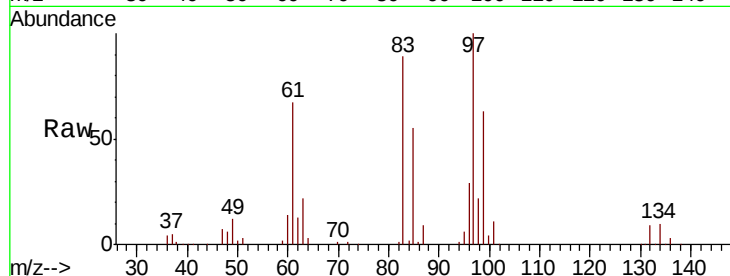
Ion Ratio Lower Upper

97 100

83 88.9 58.2 108.2

85 55.0 37.4 69.4

99 63.1 43.7 81.1



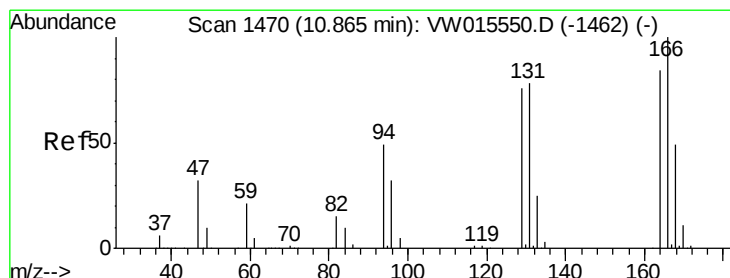
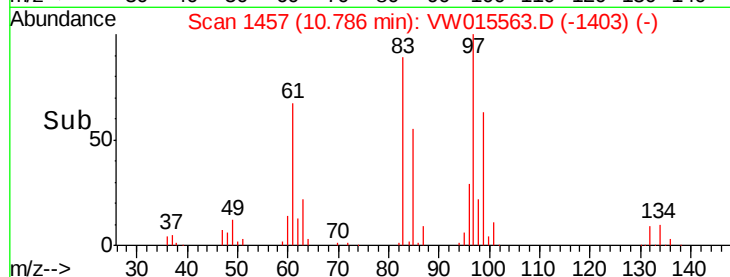
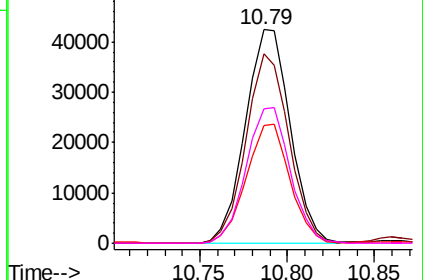
Abundance

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: 22.860 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Tgt Ion: 164 Resp: 85718

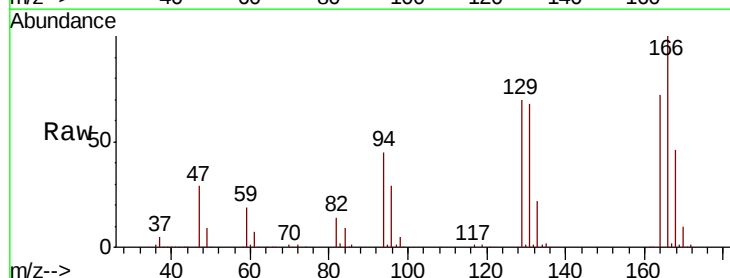
Ion Ratio Lower Upper

164 100

129 96.6 66.3 123.1

131 93.9 65.1 120.9

166 138.1 90.8 168.6



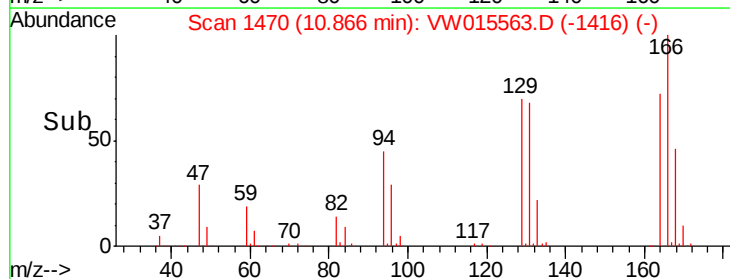
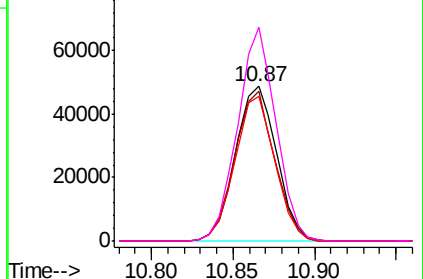
Abundance

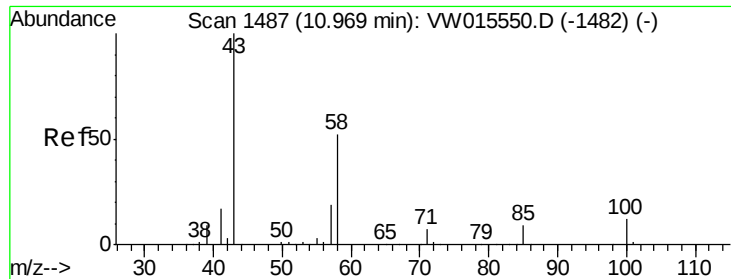
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 54.547 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 93594

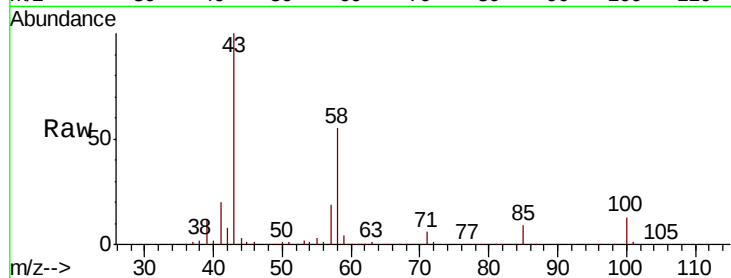
Ion Ratio Lower Upper

43 100

58 53.8 42.6 64.0

57 19.6 15.5 23.3

100 12.6 10.3 15.5

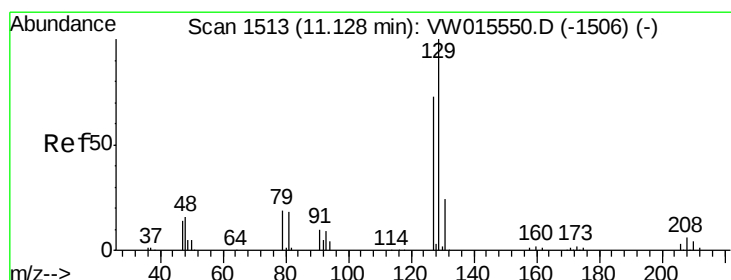
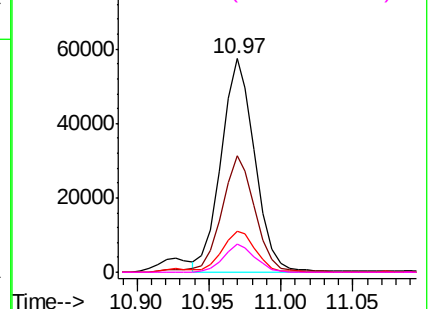
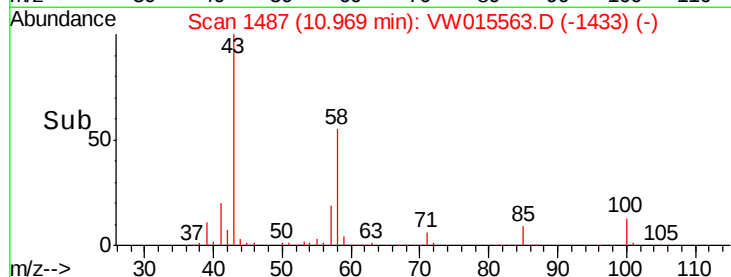


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.246 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015563.D

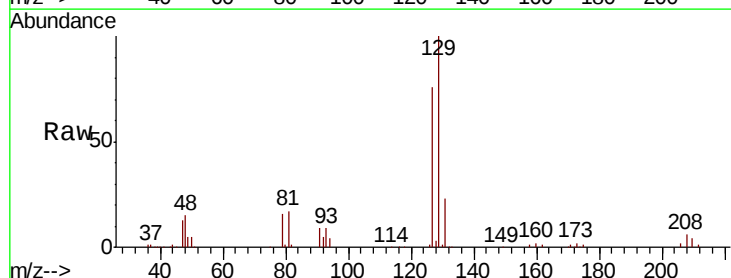
Acq: 08 Jun 2020 18:20

Tgt Ion: 129 Resp: 89371

Ion Ratio Lower Upper

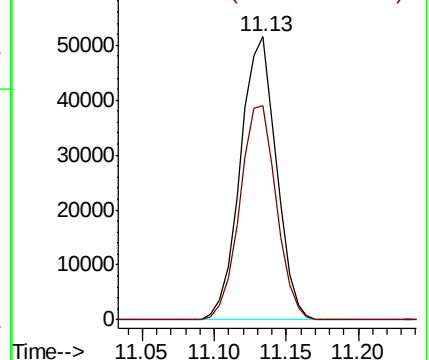
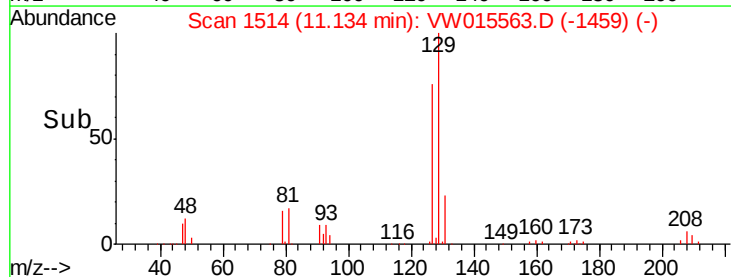
129 100

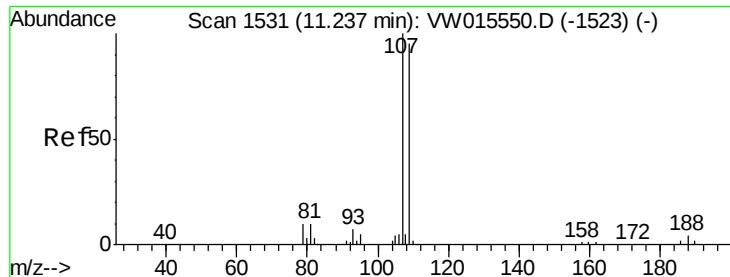
127 75.9 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

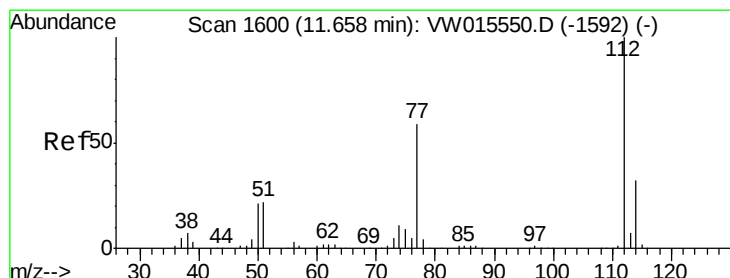
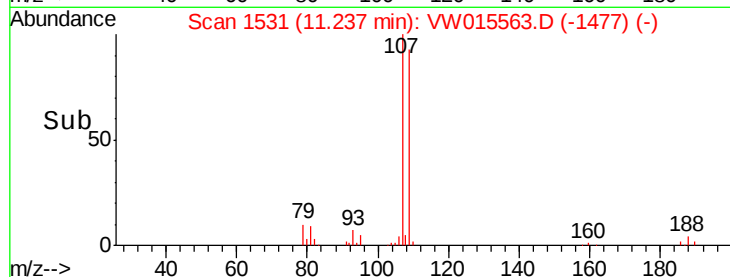
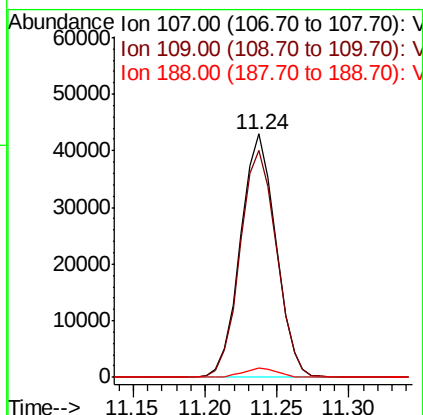
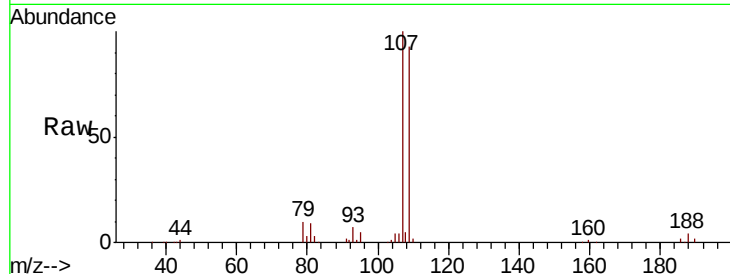




#51
1,2-Dibromoethane
Concen: 25.220 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

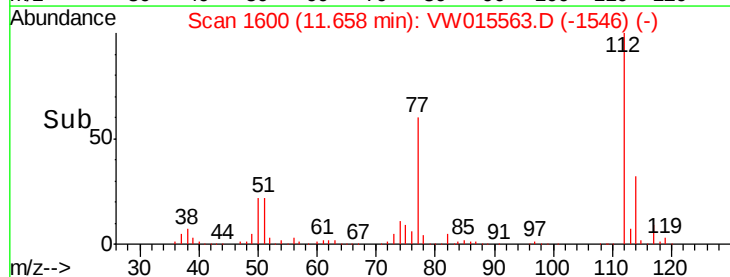
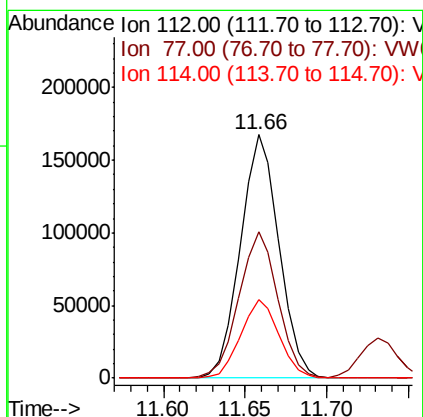
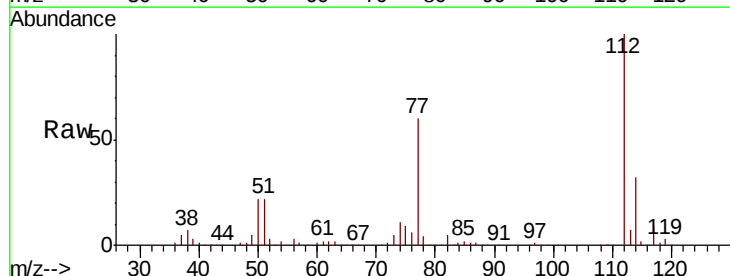
Instrument :
MSVOA_W
ClientSampled :

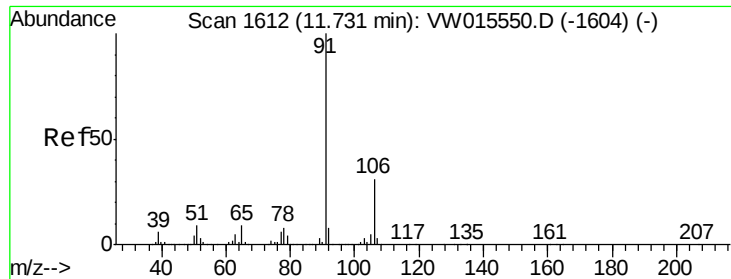
Tot Ion:107 Resp: 73458
Ion Ratio Lower Upper
107 100
109 93.0 64.6 120.0
188 4.0 2.8 4.2



#52
Chlorobenzene
Concen: 22.910 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

Tgt Ion:112 Resp: 275704
Ion Ratio Lower Upper
112 100
77 60.3 49.7 74.5
114 32.0 21.8 40.6

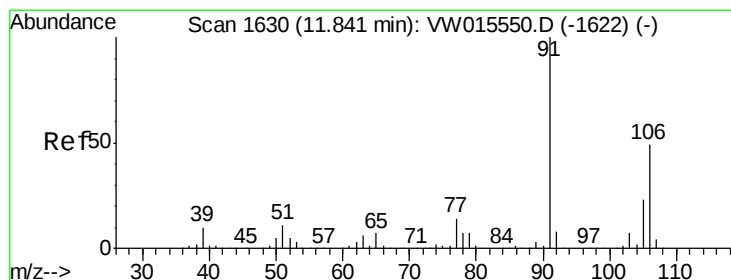
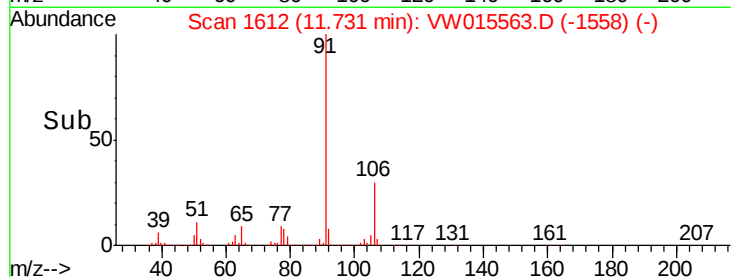
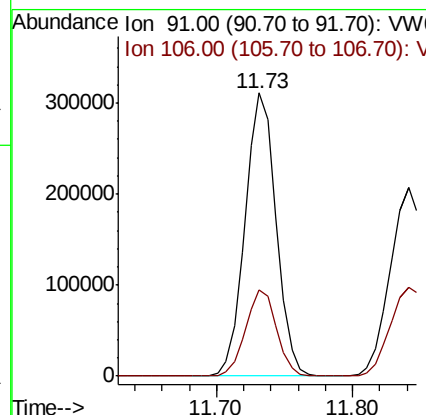
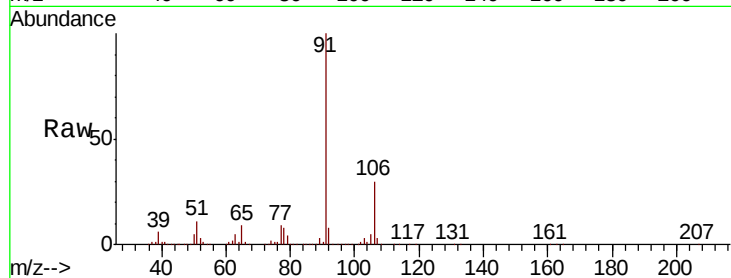




#53
Ethylbenzene
Concen: 22.499 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

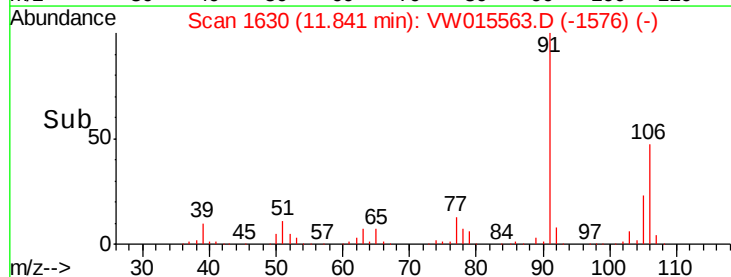
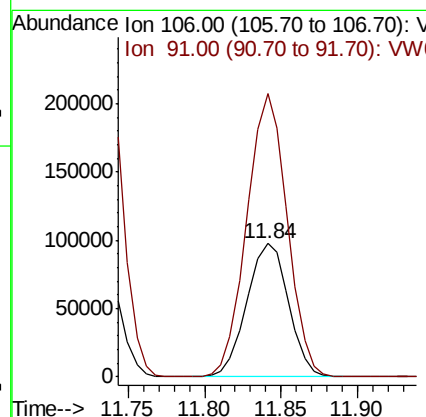
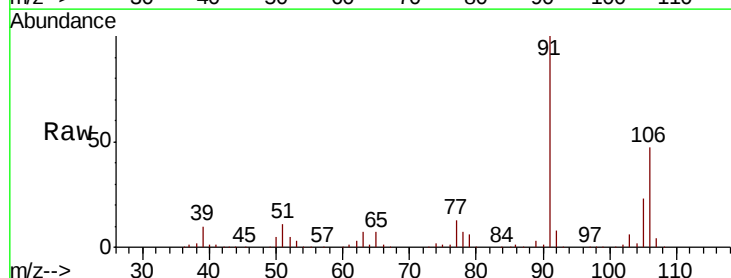
Instrument :
MSVOA_W
ClientSampleId :

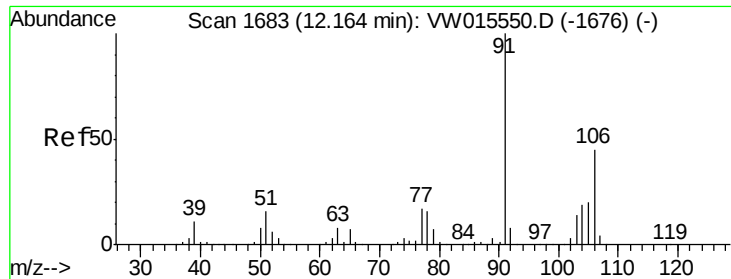
Tot Ion: 91 Resp: 495663
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#54
m,p-Xylene
Concen: 22.394 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015563.D
Acq: 08 Jun 2020 18:20

Tgt Ion: 106 Resp: 185121
Ion Ratio Lower Upper
106 100
91 212.0 142.6 264.8





#55

o-xylene

Concen: 22.905 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

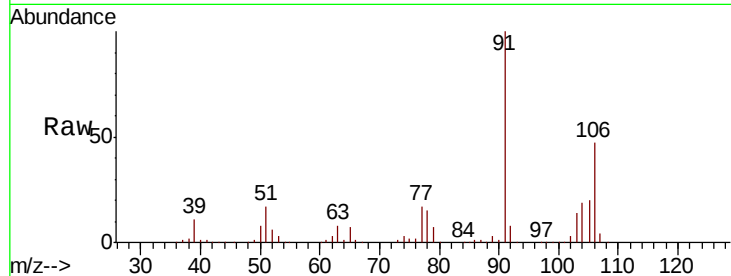
ClientSampleId :

Tot Ion:106 Resp: 179733

Ion Ratio Lower Upper

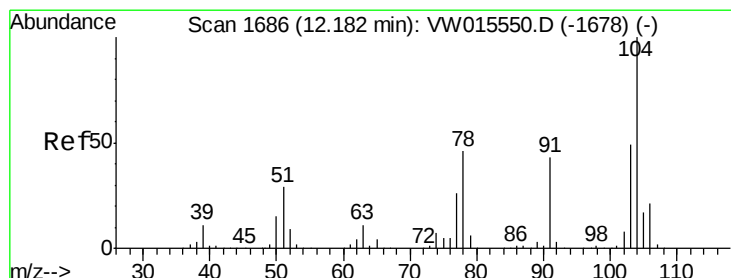
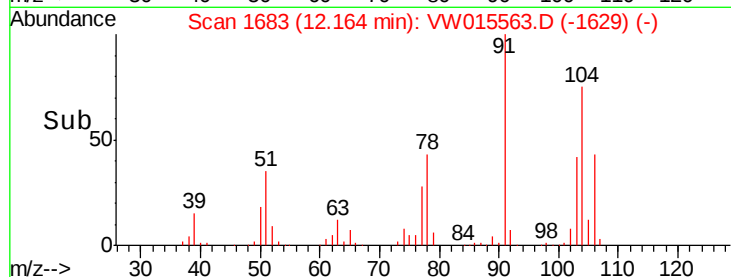
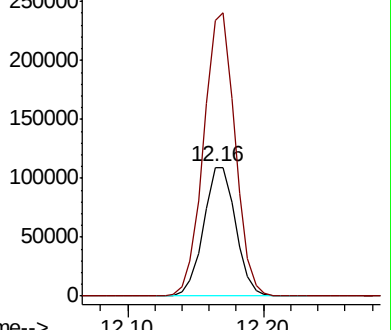
106 100

91 214.1 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.346 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015563.D

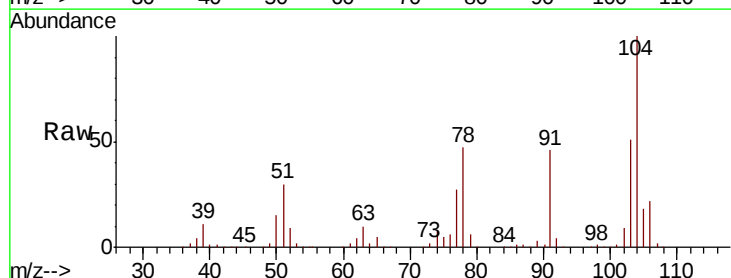
Acq: 08 Jun 2020 18:20

Tgt Ion:104 Resp: 313020

Ion Ratio Lower Upper

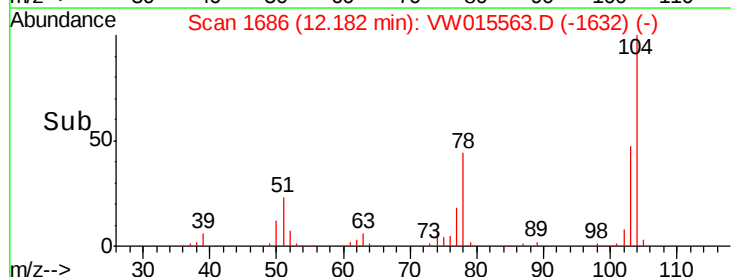
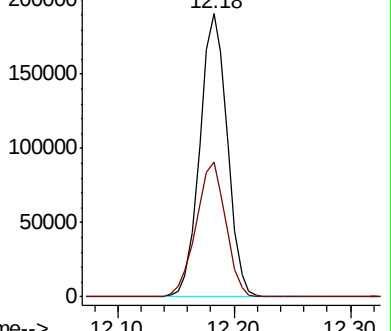
104 100

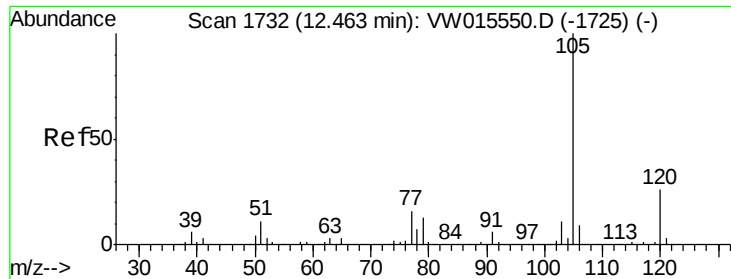
78 47.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 22.565 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

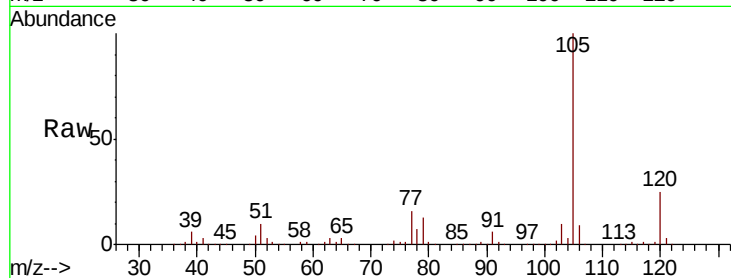
Tot Ion:105 Resp: 493229

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

77 16.2 13.0 19.6

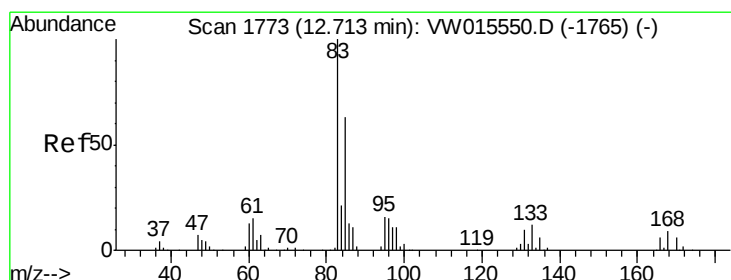
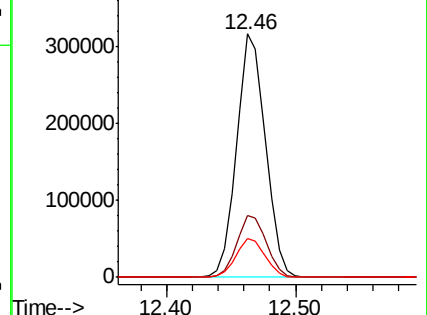
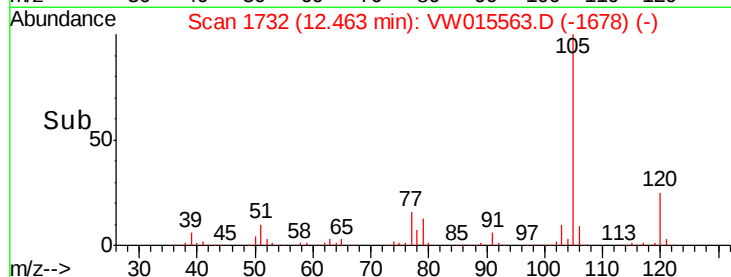


Abundance

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: 26.904 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

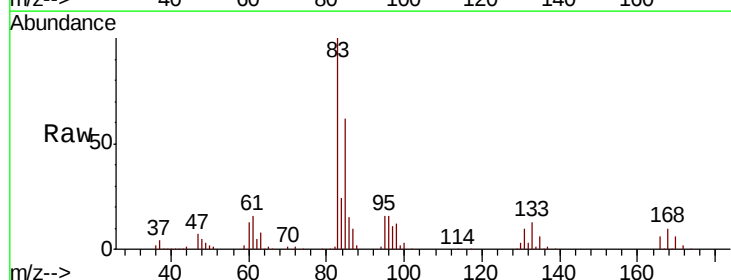
Tgt Ion: 83 Resp: 94498

Ion Ratio Lower Upper

83 100

85 61.9 44.7 82.9

131 9.6 9.1 13.7

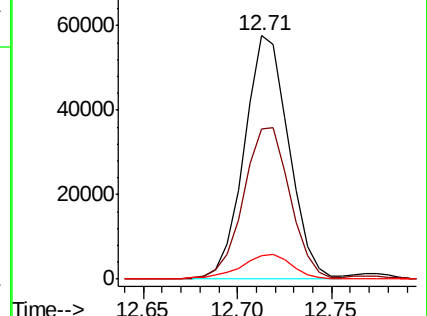
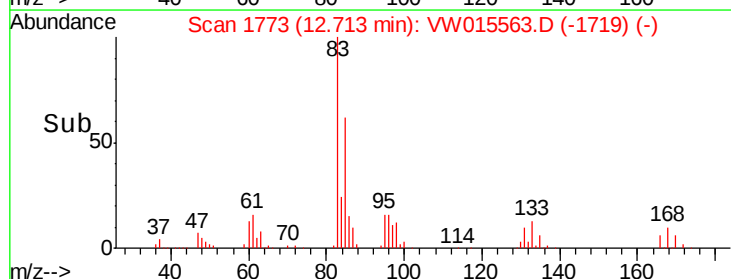


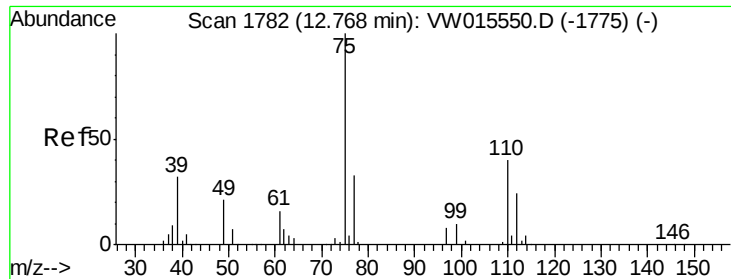
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.583 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

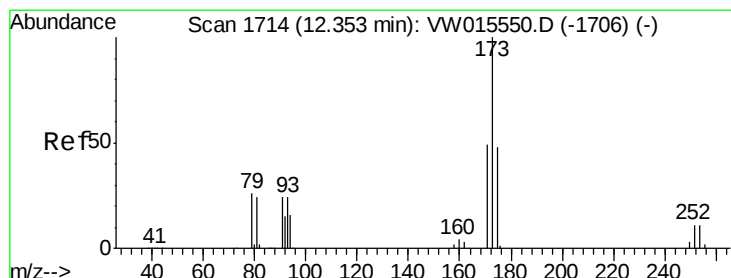
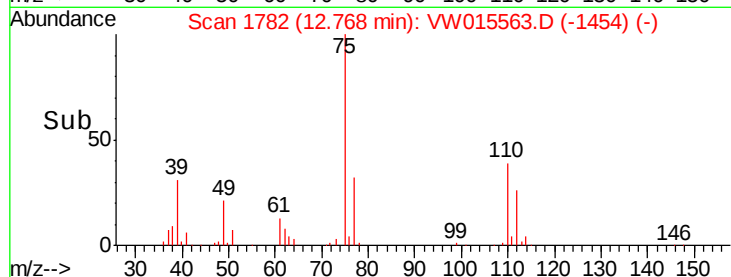
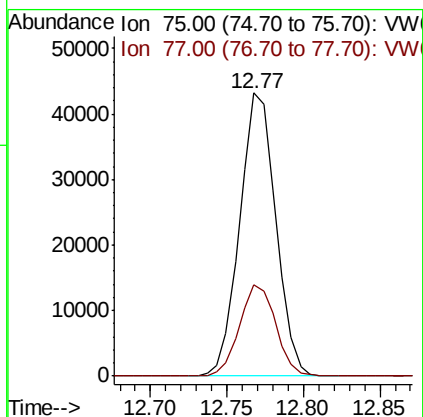
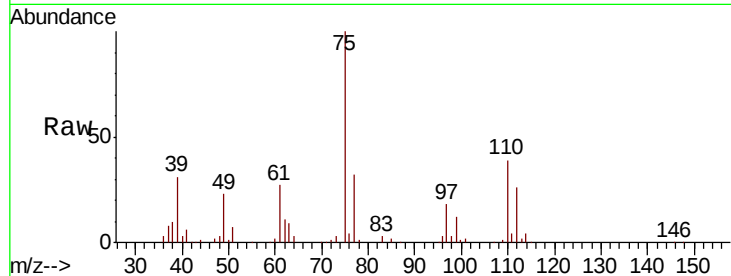
ClientSampled :

Tot Ion: 75 Resp: 70797

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#62

Bromoform

Concen: 23.475 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

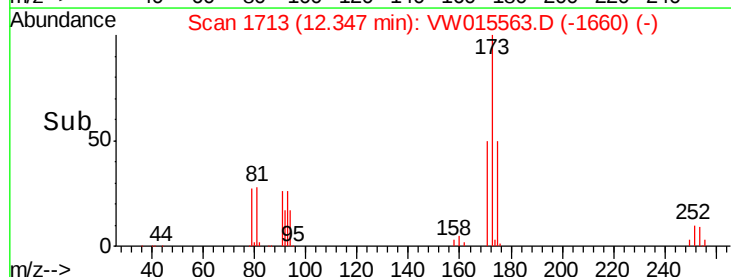
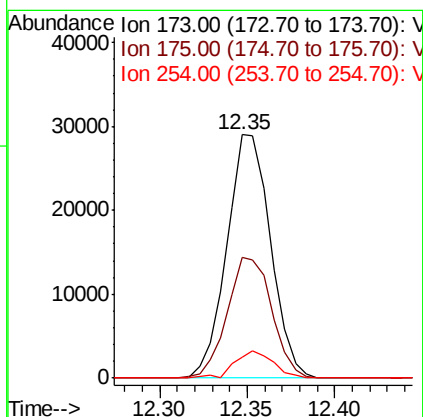
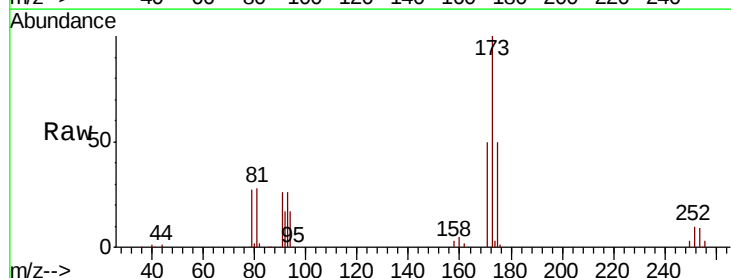
Tgt Ion: 173 Resp: 50484

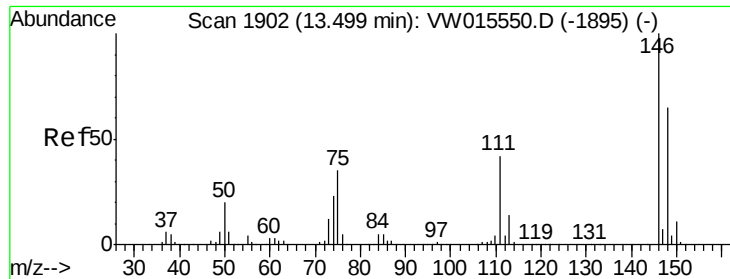
Ion Ratio Lower Upper

173 100

175 50.5 37.9 56.9

254 9.4 6.8 10.2

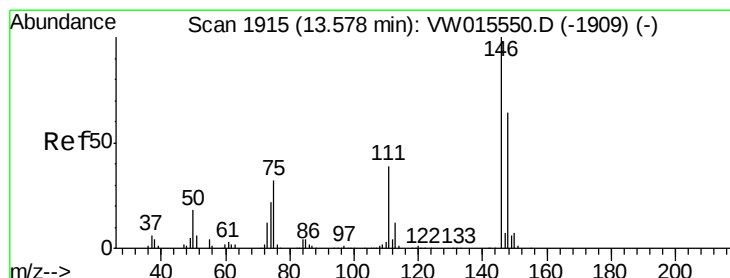
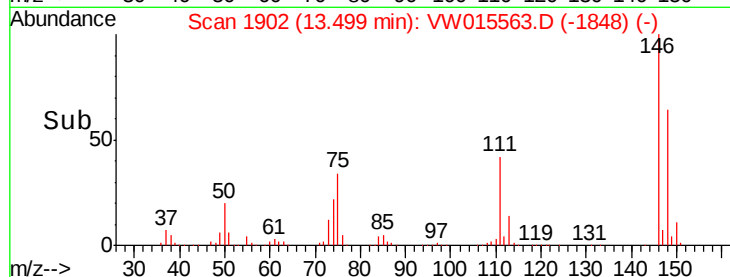
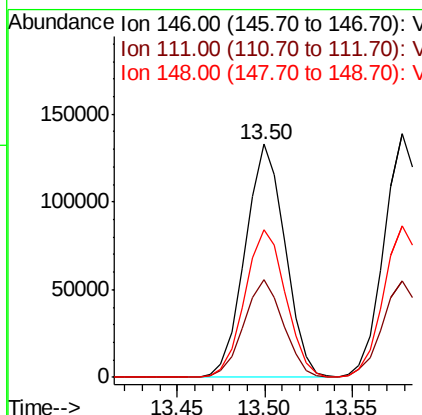
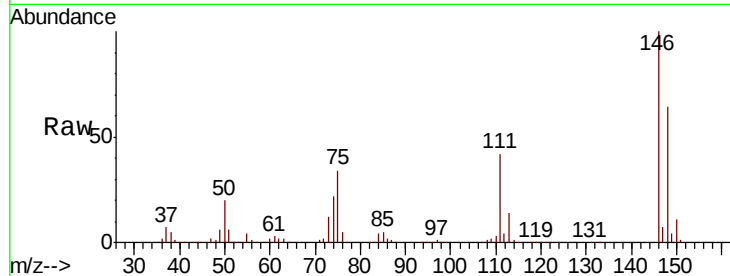




#63
 1,3-Dichlorobenzene
 Concen: 22.338 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

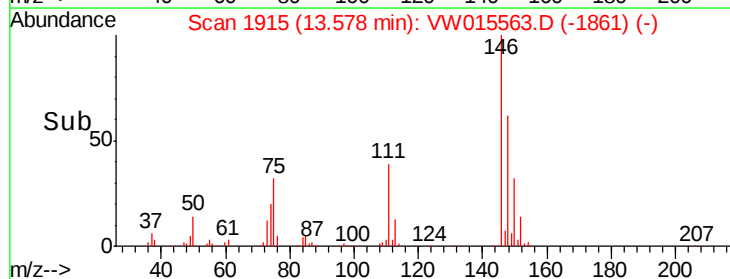
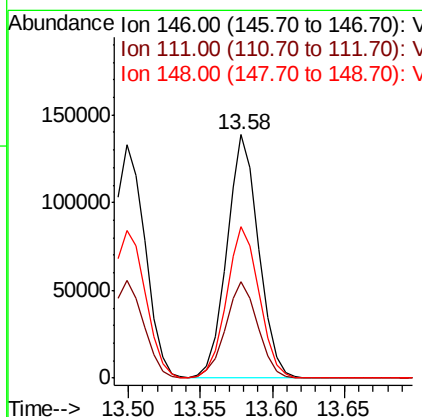
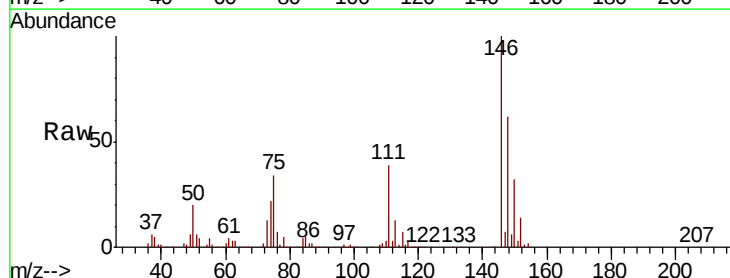
Instrument :
 MSVOA_W
 ClientSampleId :

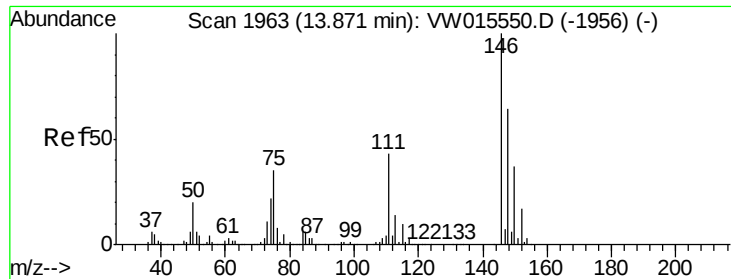
Tot Ion:146 Resp: 210978
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.3 54.5
 148 63.6 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 23.135 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion:146 Resp: 214100
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.1 52.1
 148 62.0 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 23.903 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015563.D

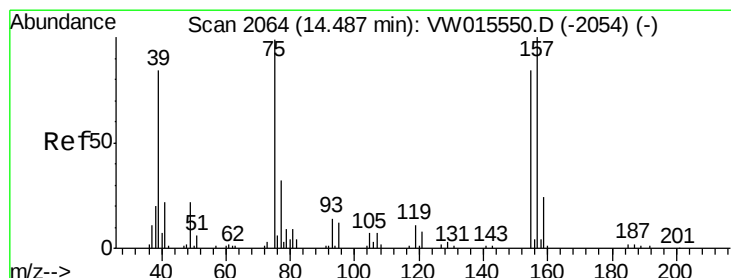
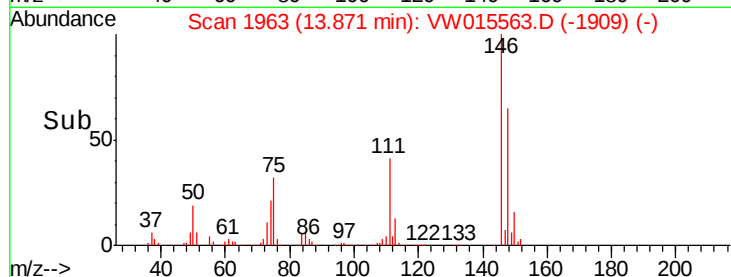
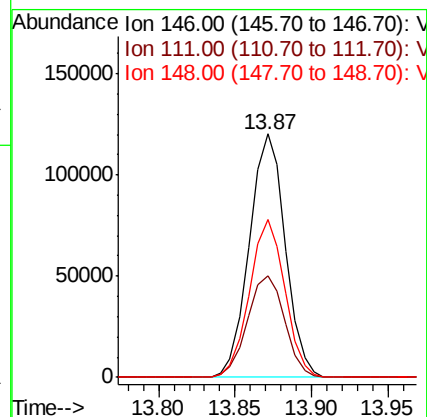
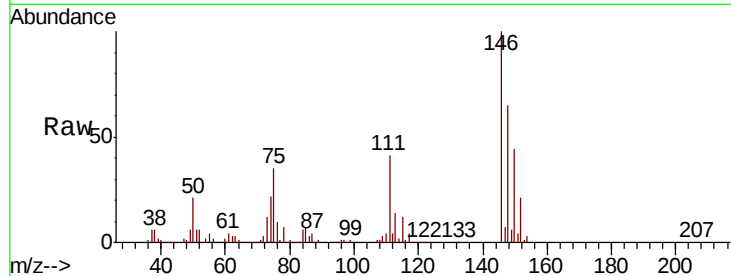
Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	196183
Ion	Ratio	Lower	Upper
146	100		
111	41.5	34.9	52.3
148	64.8	51.8	77.8



#66

1,2-Dibromo-3-chloropropane

Concen: 25.929 ug/L

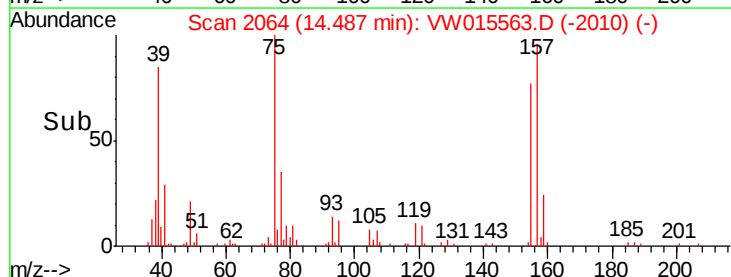
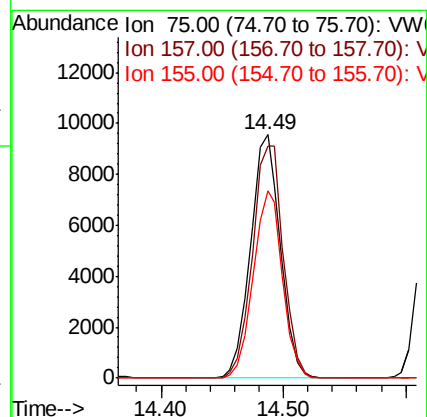
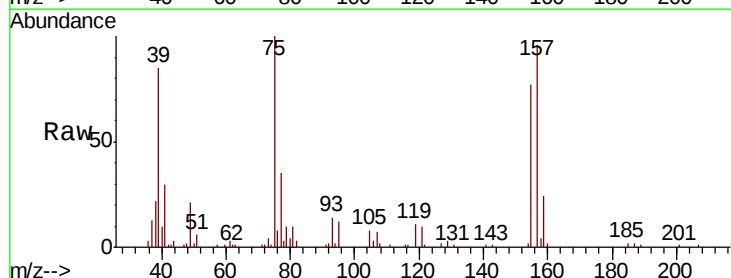
RT: 14.49 min Scan# 2064

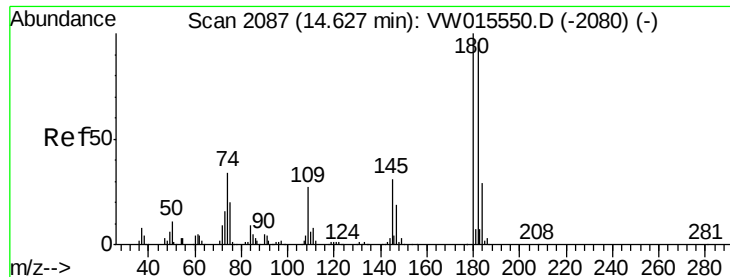
Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Tgt Ion:	75	Resp:	16144
Ion	Ratio	Lower	Upper
75	100		
157	95.5	87.4	131.0
155	76.8	64.6	96.8

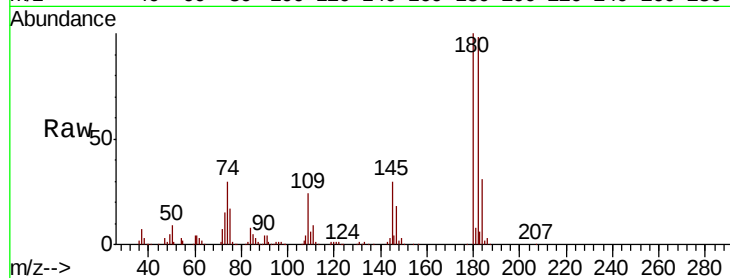




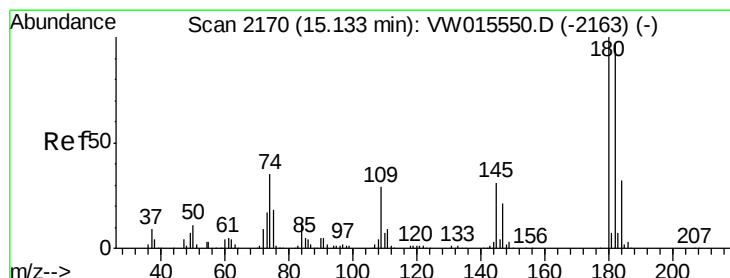
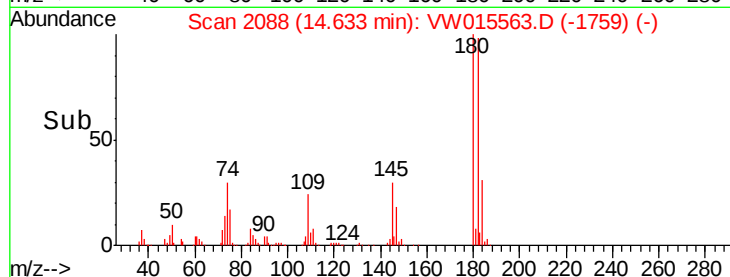
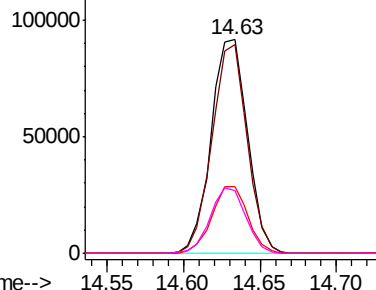
#67
 1,3,5-Trichlorobenzene
 Concen: 23.203 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	151723
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
184	31.0	24.4	36.6
145	29.9	24.0	36.0

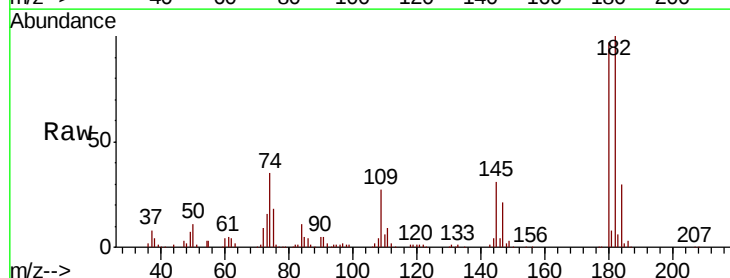


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

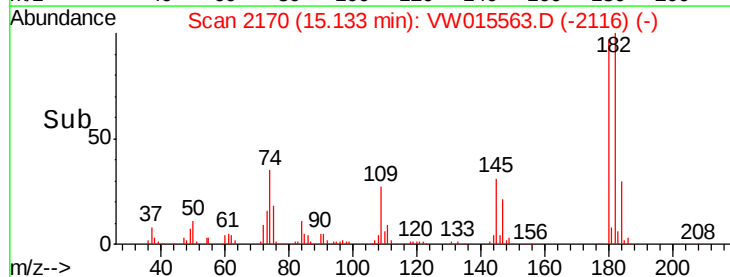
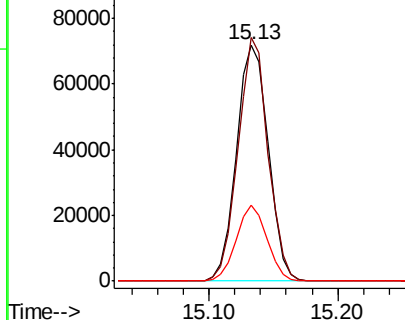


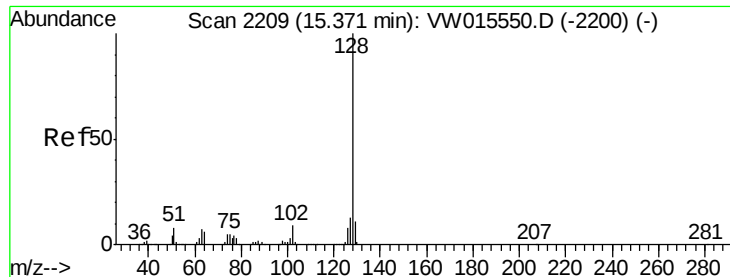
#68
 1,2,4-trichlorobenzene
 Concen: 23.271 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015563.D
 Acq: 08 Jun 2020 18:20

Tgt Ion:	180	Resp:	122557
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.1	114.1
145	31.1	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: 26.397 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

Instrument :

MSVOA_W

ClientSampleId :

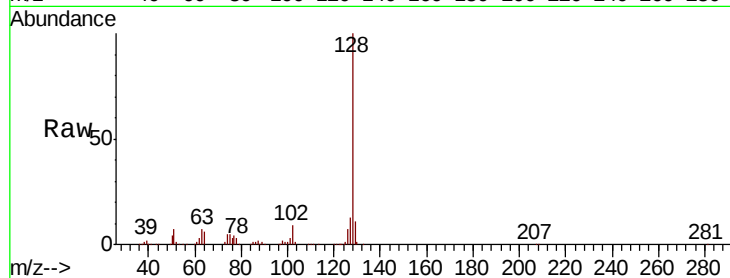
Tot Ion:128 Resp: 252423

Ion Ratio Lower Upper

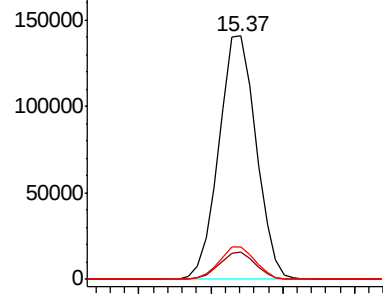
128 100

129 10.9 8.6 12.8

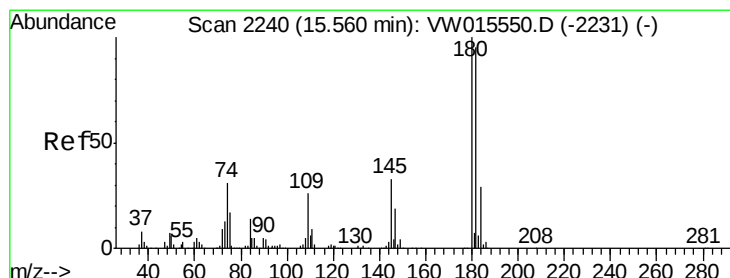
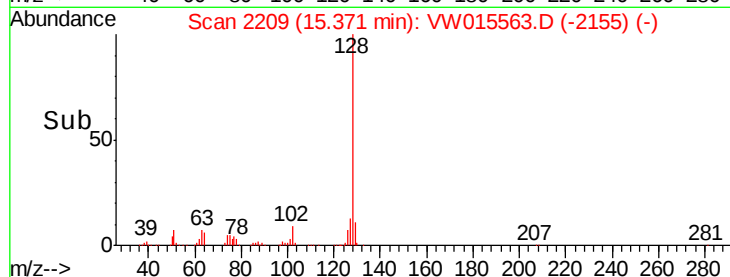
127 13.2 10.6 15.8



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



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 25.033 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015563.D

Acq: 08 Jun 2020 18:20

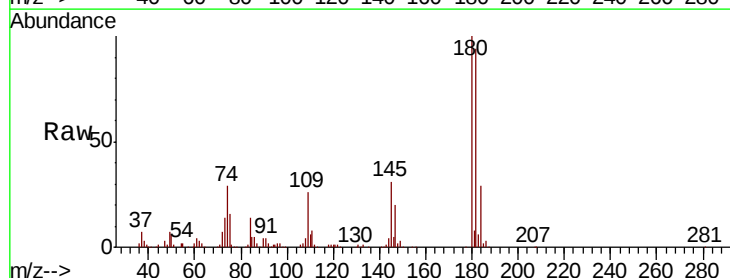
Tgt Ion:180 Resp: 112160

Ion Ratio Lower Upper

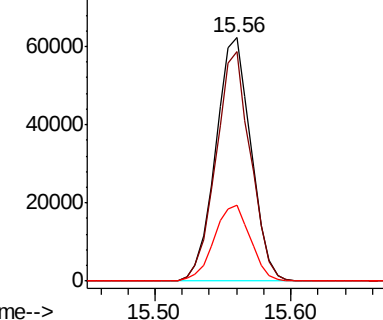
180 100

182 92.6 75.4 113.2

145 32.1 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



Time-->

