

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072320\
 Data File : VW015917.D
 Acq On : 23 Jul 2020 10:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 06:55:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 17:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	450895	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197823	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135572	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
7) Chloroethane-d5	2.89	69	123597	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	4.01	63	306852	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.44%
20) 2-Butanone-d5	7.09	46	94903	56.78	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.56%
24) Chloroform-d	7.65	84	312120	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	171150	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.48%
29) Benzene-d6	8.27	84	606495	24.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.08%
33) 1,2-Dichloropropane-d6	9.27	67	184038	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.28%
37) Toluene-d8	10.32	98	545866	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
38) trans-1,3-Dichloropropene-	10.58	79	77489	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.08%
39) 2-Hexanone-d5	10.93	63	74762	59.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159935	27.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	188495	24.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	97947	25.672	ug/L	99
3) Chloromethane	2.21	50	124902	27.067	ug/L	99
5) Vinyl chloride	2.37	62	177325	24.915	ug/L	99
6) Bromomethane	2.79	94	107182	25.243	ug/L	98
8) Chloroethane	2.93	64	108657	26.061	ug/L	99
9) Trichlorofluoromethane	3.26	101	137373	28.715	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	151567	25.918	ug/L	99
12) 1,1-Dichloroethene	4.03	96	150534	25.971	ug/L	95
13) Acetone	4.15	43	85593	60.984	ug/L	97
14) Carbon disulfide	4.38	76	455607	24.889	ug/L	99
15) Methyl Acetate	4.68	43	74211	28.043	ug/L	99
16) Methylene chloride	4.92	84	175680	23.778	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	228929	27.931	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	156233	25.525	ug/L	98
19) 1,1-Dichloroethane	6.22	63	291356	25.831	ug/L	98
21) 2-Butanone	7.18	43	106939	61.616	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	165336	25.819	ug/L	98

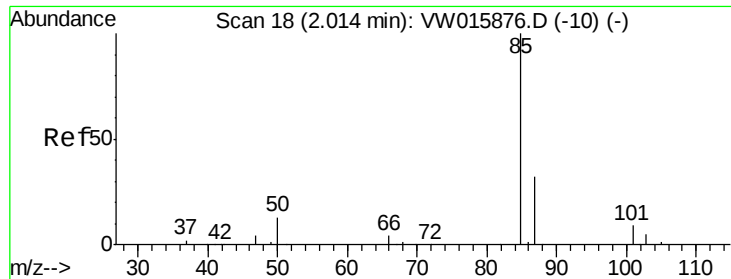
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072320\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 17:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	75181	26.773	ug/L	94
25) Chloroform	7.68	83	286250	25.607	ug/L	100
27) 1,2-Dichloroethane	8.40	62	196360	25.815	ug/L	97
30) Cyclohexane	7.96	56	265379	25.375	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	244842	25.282	ug/L	99
32) Carbon tetrachloride	8.07	117	221500	25.222	ug/L	99
34) Benzene	8.32	78	647604	25.708	ug/L	100
35) Trichloroethene	9.09	95	164160	24.635	ug/L	97
36) Methylcyclohexane	9.34	83	289678	25.334	ug/L	99
40) 1,2-Dichloropropane	9.37	63	161686	25.909	ug/L	100
41) Bromodichloromethane	9.65	83	208059	25.816	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	254122	26.737	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	211574	58.084	ug/L	99
44) Toluene	10.39	91	693353	26.243	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	223006	27.069	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	120346	26.818	ug/L	99
47) Tetrachloroethene	10.87	164	128913	24.923	ug/L	93
49) 2-Hexanone	10.97	43	157305	60.856	ug/L	100
50) Dibromochloromethane	11.13	129	138959	26.746	ug/L	99
51) 1,2-Dibromoethane	11.24	107	116096	27.043	ug/L	99
52) Chlorobenzene	11.66	112	429815	25.388	ug/L	98
53) Ethylbenzene	11.73	91	776728	26.144	ug/L	97
54) m,p-Xylene	11.84	106	291533	26.228	ug/L	94
55) o-xylene	12.17	106	276517	26.420	ug/L	99
56) Styrene	12.18	104	480721	27.008	ug/L	98
57) Isopropylbenzene	12.47	105	752058	26.396	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	149807	28.429	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	113352	28.709	ug/L	99
62) Bromoform	12.35	173	76293	26.217	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	333190	26.316	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	328466	25.562	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297761	25.891	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	24558	28.371	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	238120	26.748	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	196070	27.728	ug/L	98
69) Naphthalene	15.36	128	400909	30.095	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178546	28.339	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.672 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

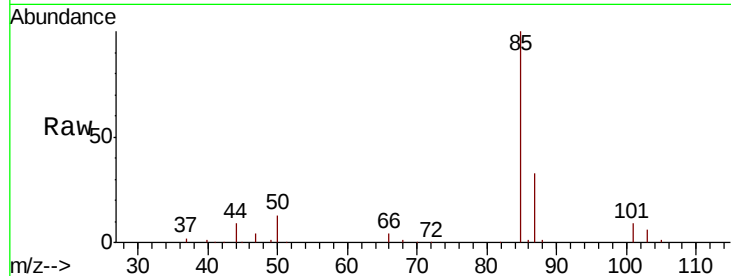
ClientSampled :

Tot Ion: 85 Resp: 97947

Ion Ratio Lower Upper

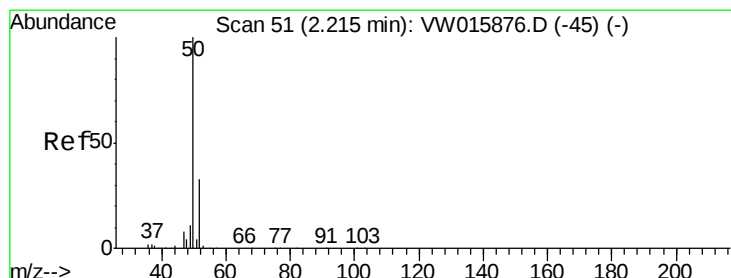
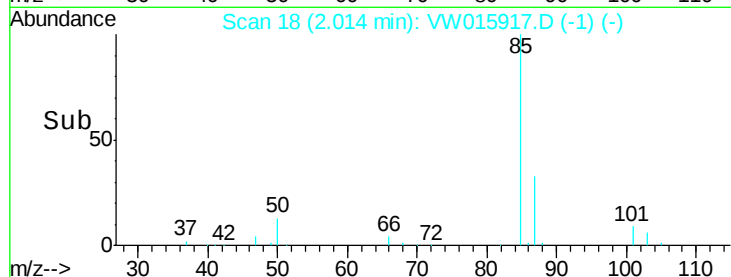
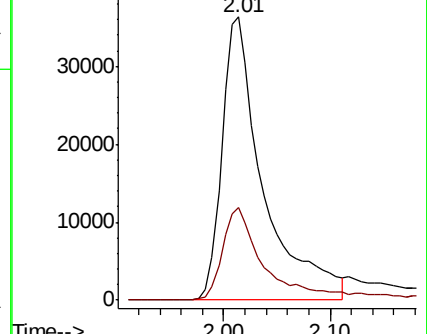
85 100

87 30.6 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.067 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015917.D

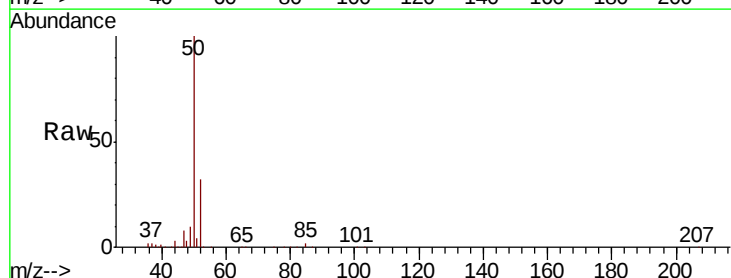
Acq: 23 Jul 2020 10:58

Tgt Ion: 50 Resp: 124902

Ion Ratio Lower Upper

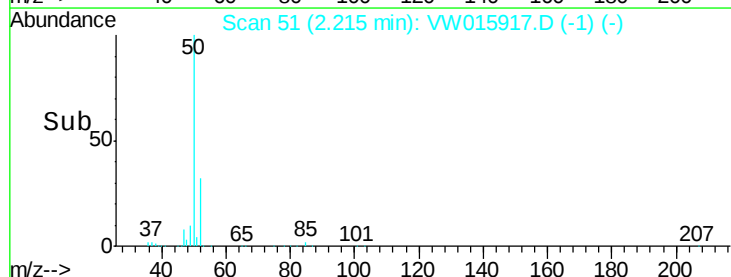
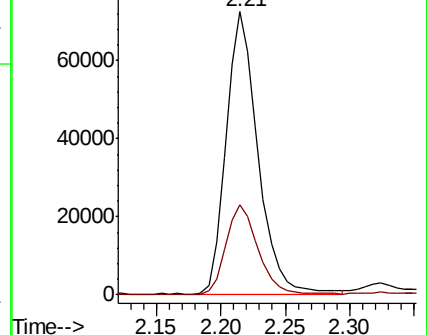
50 100

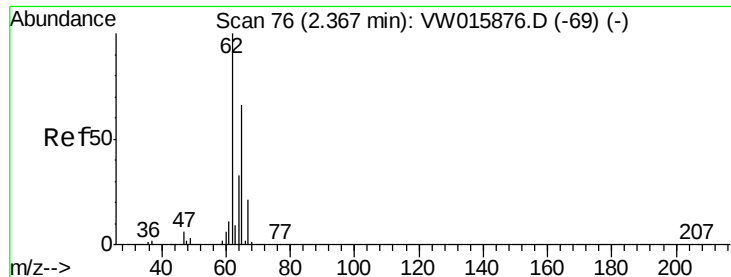
52 31.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.915 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

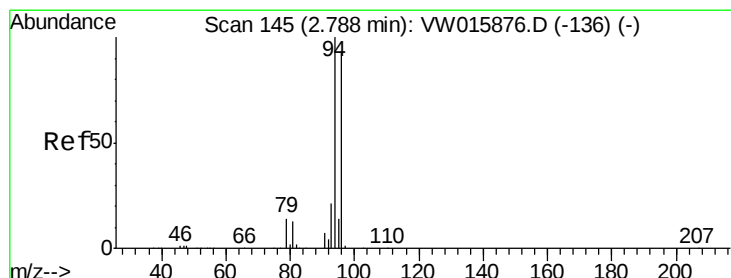
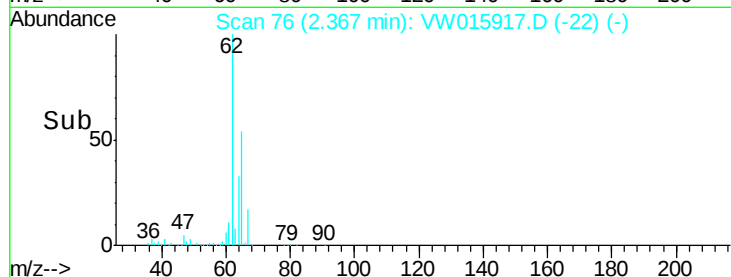
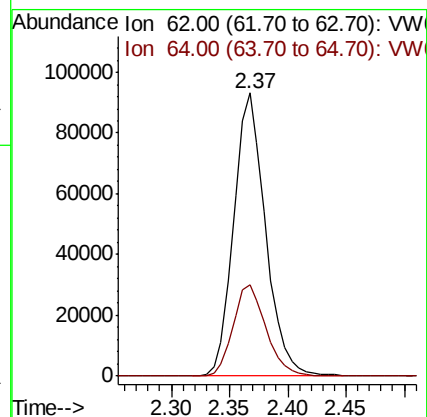
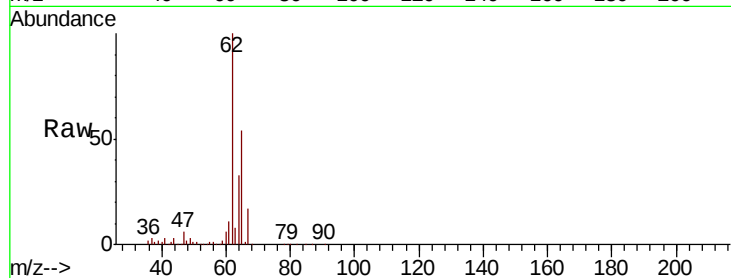
ClientSampled :

Tot Ion: 62 Resp: 177325

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



#6

Bromomethane

Concen: 25.243 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015917.D

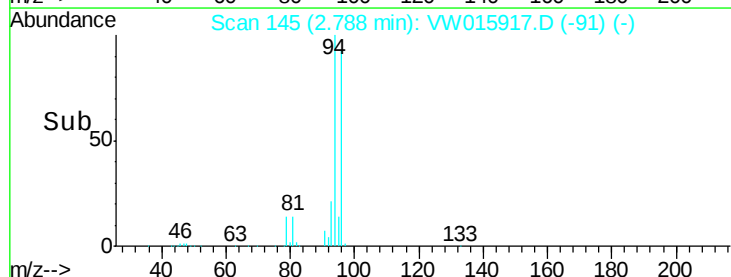
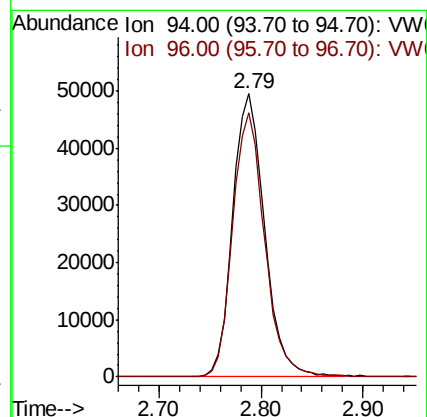
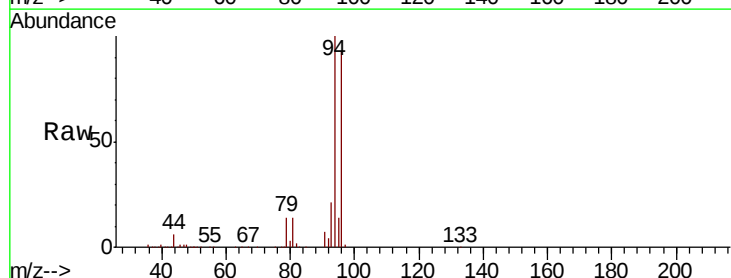
Acq: 23 Jul 2020 10:58

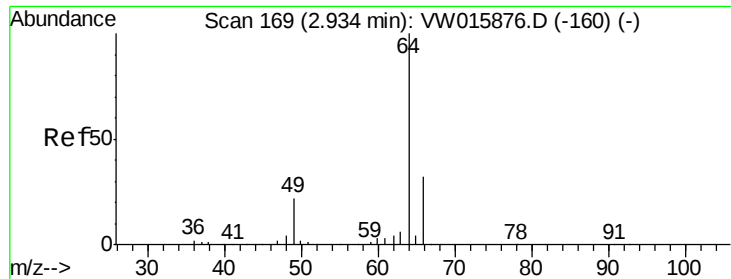
Tgt Ion: 94 Resp: 107182

Ion Ratio Lower Upper

94 100

96 93.0 9.5 180.1





#8

Chloroethane

Concen: 26.061 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

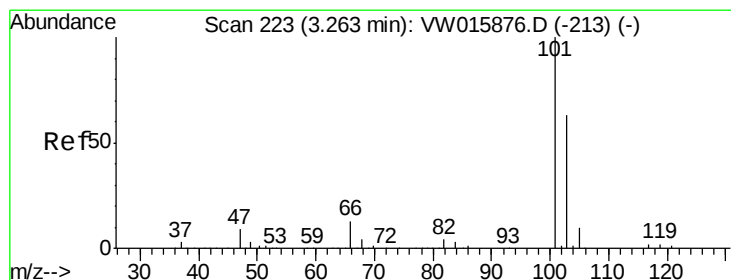
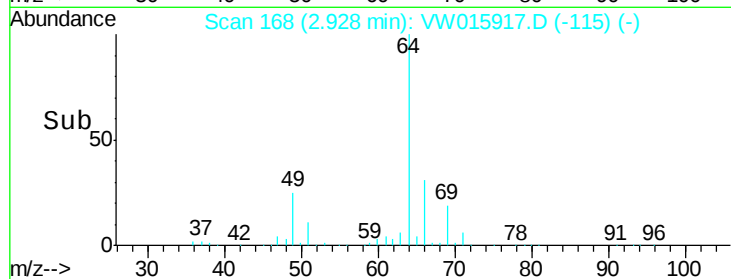
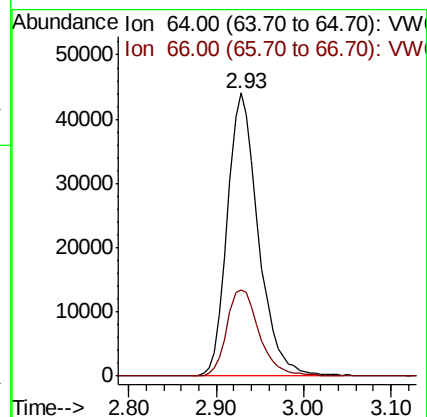
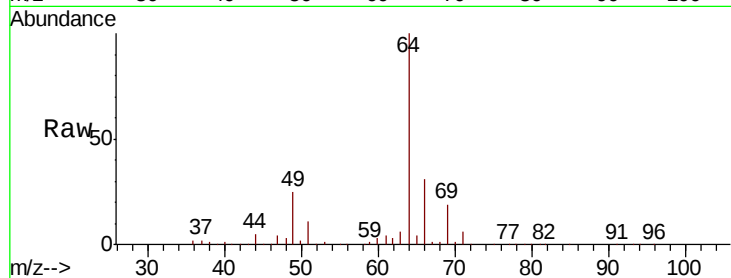
ClientSampleId :

Tot Ion: 64 Resp: 108657

Ion Ratio Lower Upper

64 100

66 30.7 21.8 40.4



#9

Trichlorofluoromethane

Concen: 28.715 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015917.D

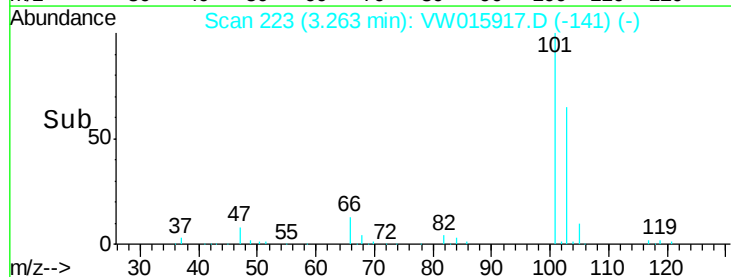
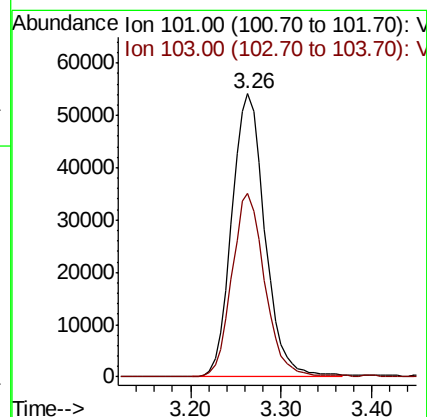
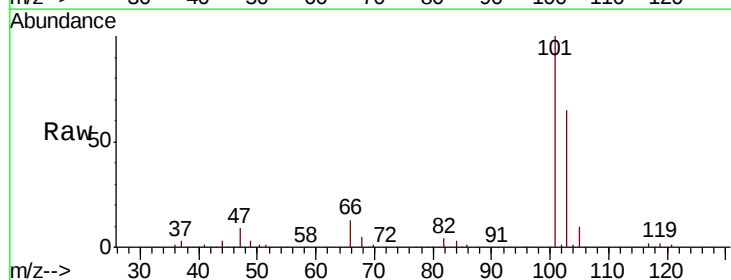
Acq: 23 Jul 2020 10:58

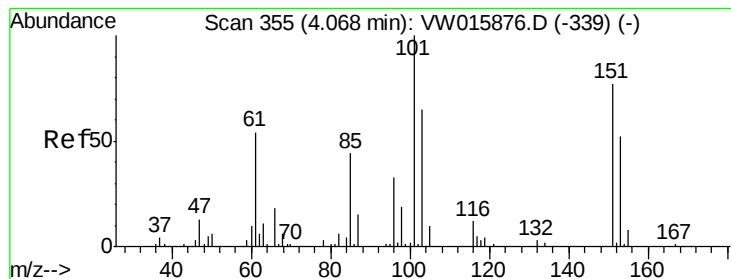
Tgt Ion:101 Resp: 137373

Ion Ratio Lower Upper

101 100

103 64.1 45.8 85.2





#11

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

Concen: 25.918 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

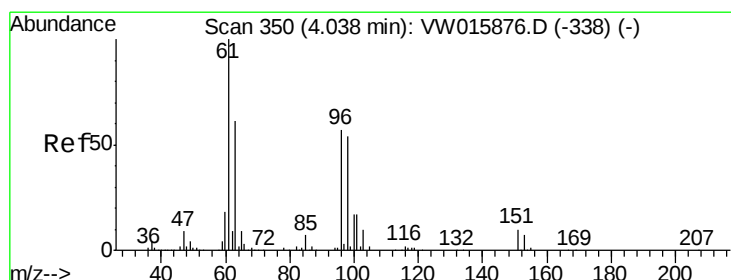
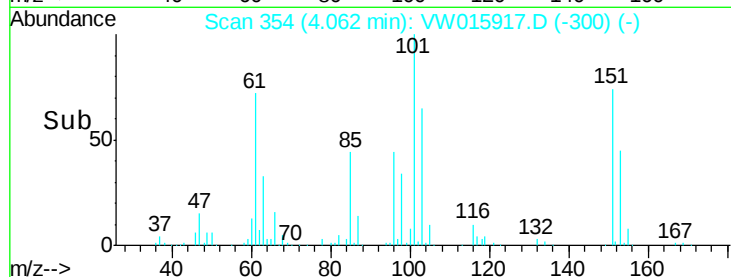
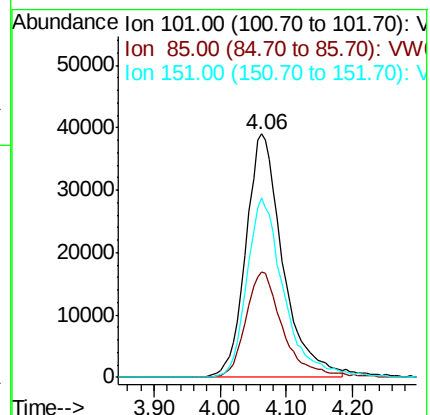
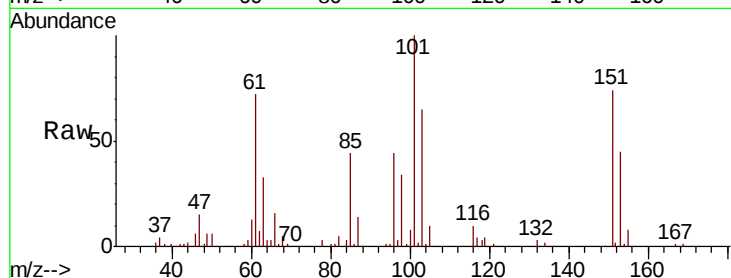
Tot Ion:101 Resp: 151567

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

151 73.8 58.4 87.6



#12

1,1-Dichloroethene

Concen: 25.971 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

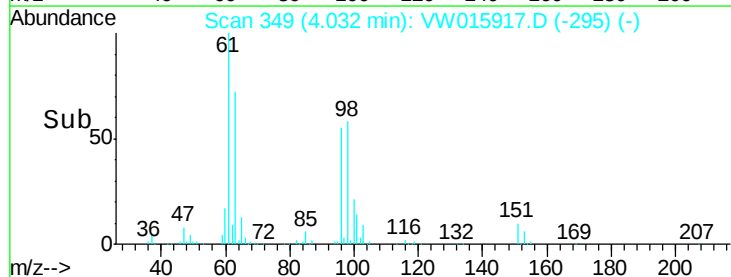
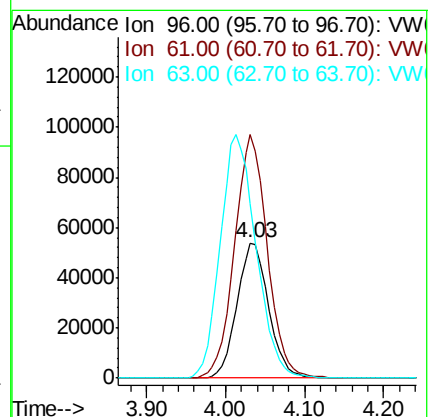
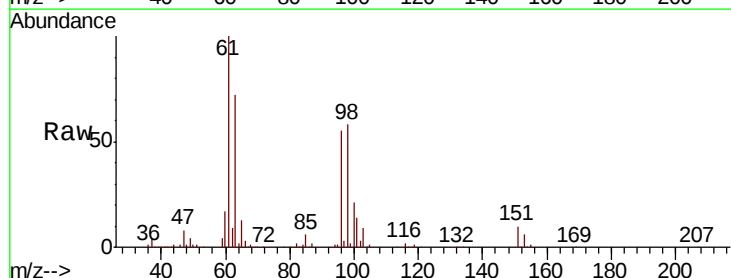
Tgt Ion: 96 Resp: 150534

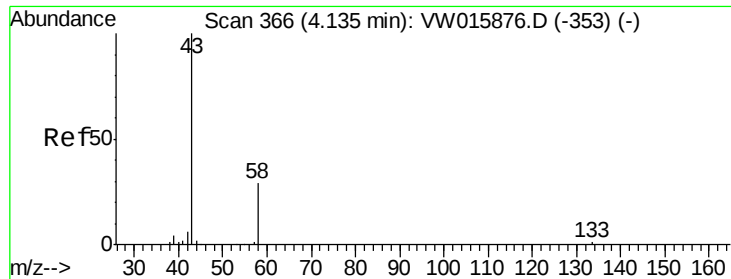
Ion Ratio Lower Upper

96 100

61 180.4 125.0 232.2

63 129.1 82.3 152.8





#13

Acetone

Concen: 60.984 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

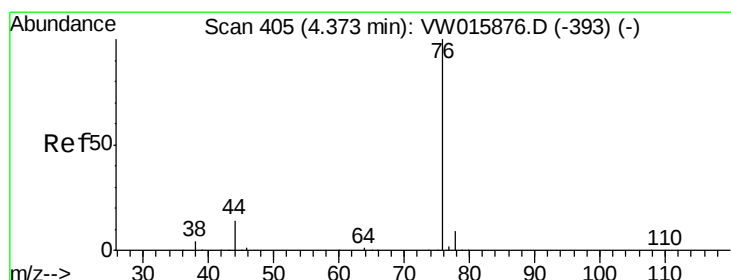
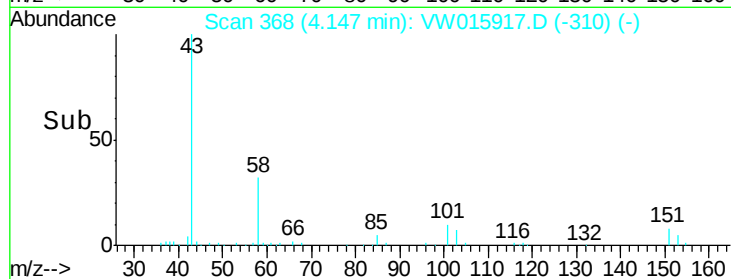
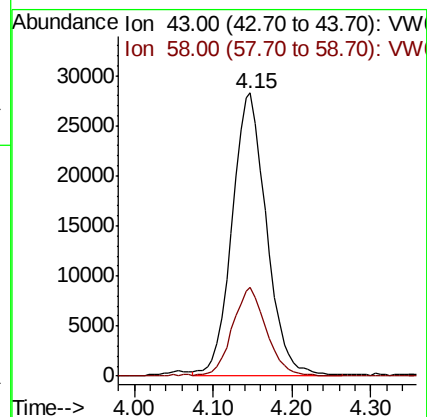
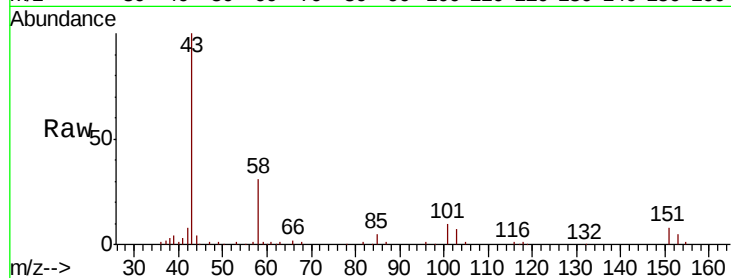
ClientSampled :

Tot Ion: 43 Resp: 85593

Ion Ratio Lower Upper

43 100

58 30.6 0.0 58.2



#14

Carbon disulfide

Concen: 24.889 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015917.D

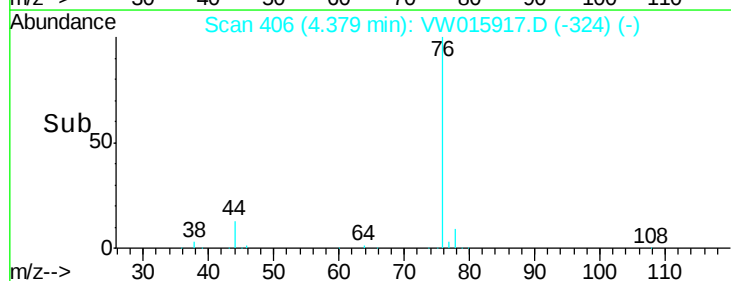
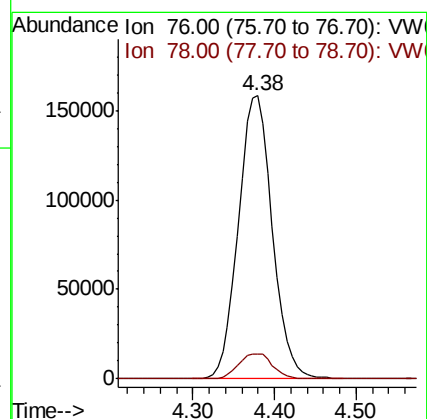
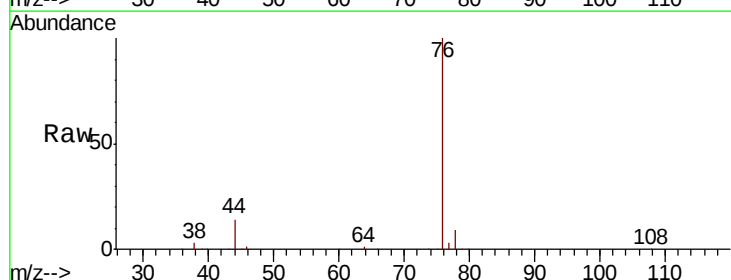
Acq: 23 Jul 2020 10:58

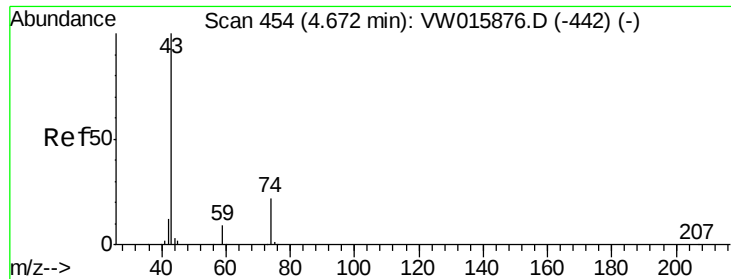
Tgt Ion: 76 Resp: 455607

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

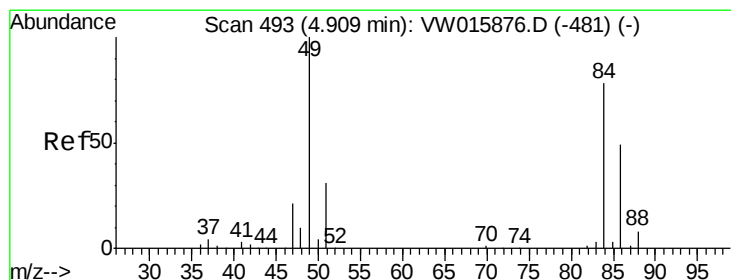
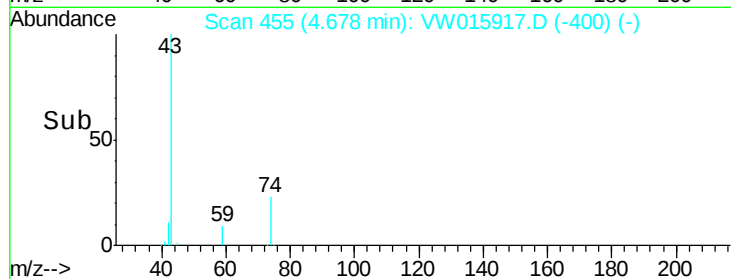
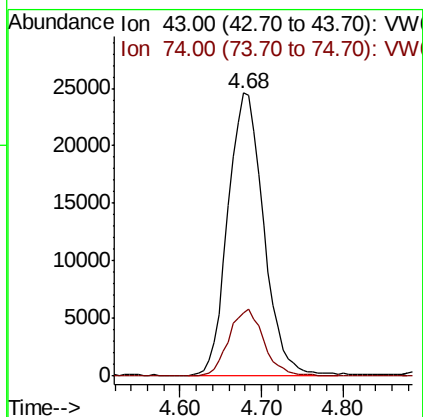
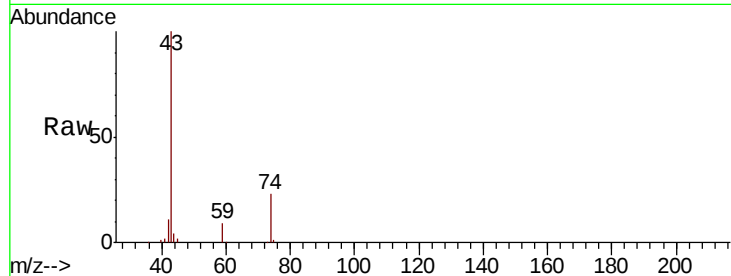




#15
Methyl Acetate
Concen: 28.043 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

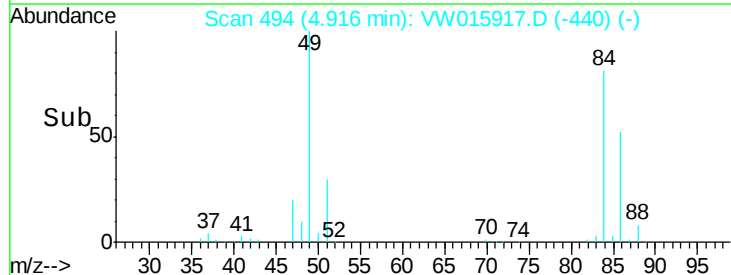
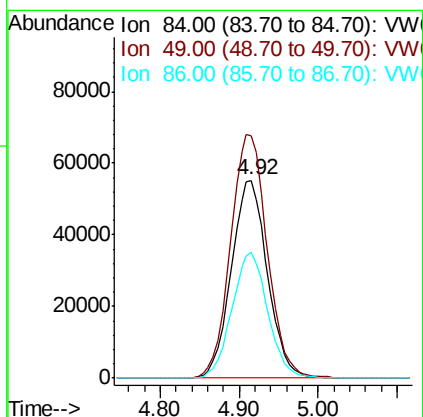
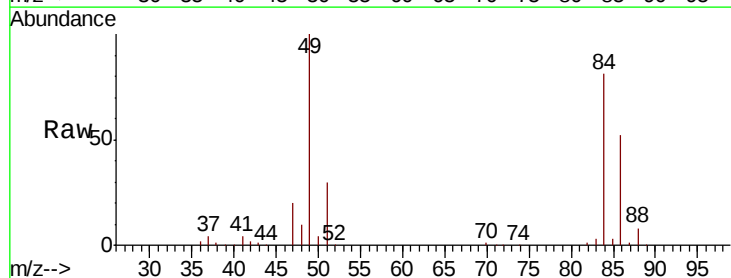
Instrument :
MSVOA_W
ClientSampled :

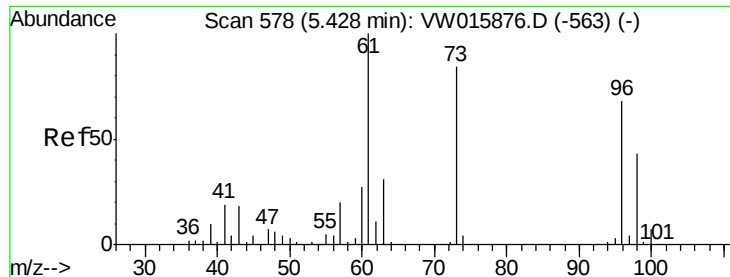
Tot Ion: 43 Resp: 74211
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 23.778 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion: 84 Resp: 175680
Ion Ratio Lower Upper
84 100
49 122.9 91.1 169.1
86 63.6 46.0 85.4

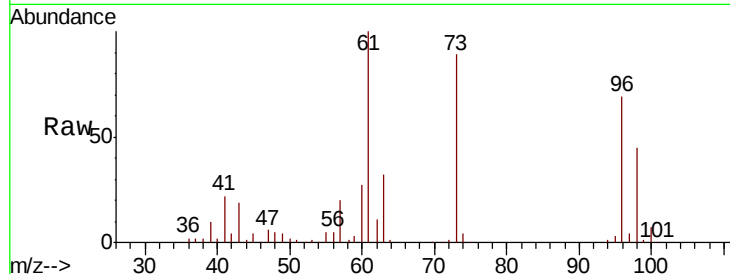




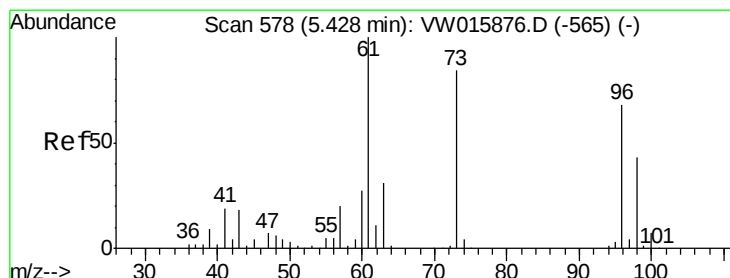
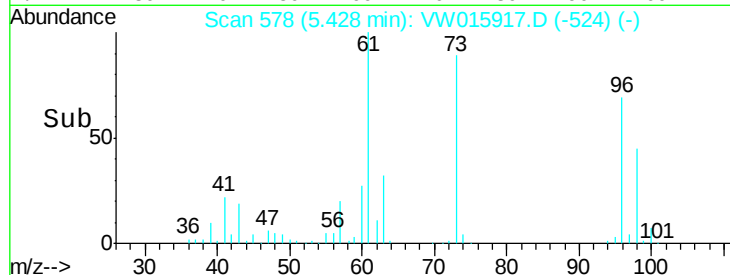
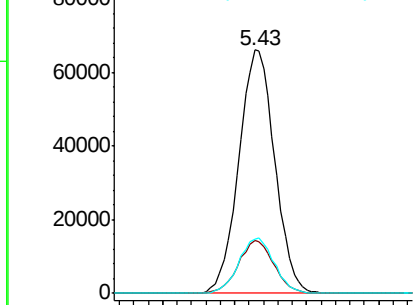
#17
Methvl tert-butvl Ether
Concen: 27.931 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 228929
Ion Ratio Lower Upper
73 100
43 21.3 18.4 27.6
57 22.4 17.8 26.8

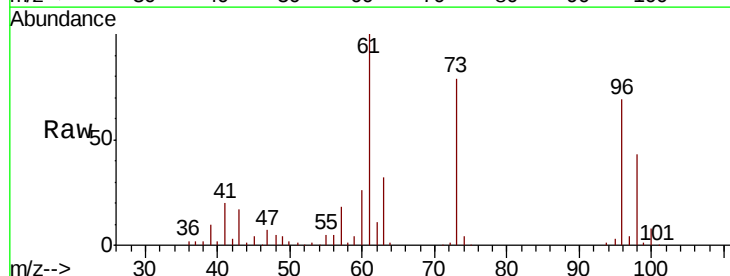


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

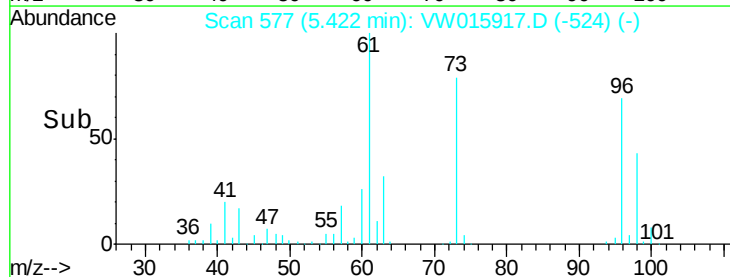
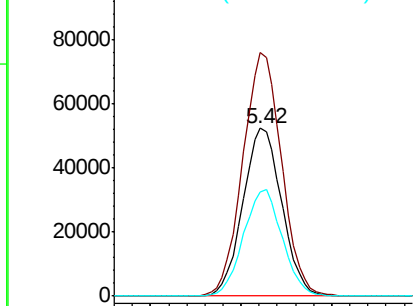


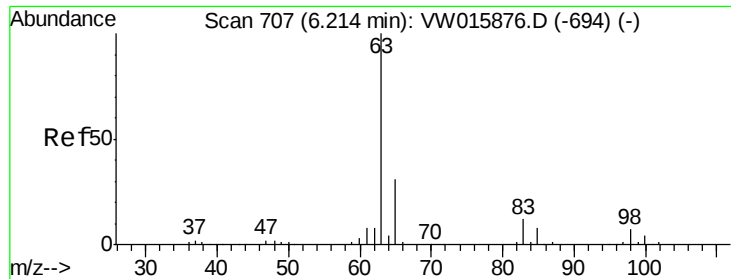
#18
trans-1,2-Dichloroethene
Concen: 25.525 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion: 96 Resp: 156233
Ion Ratio Lower Upper
96 100
61 145.0 99.3 184.5
98 62.3 42.9 79.7



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

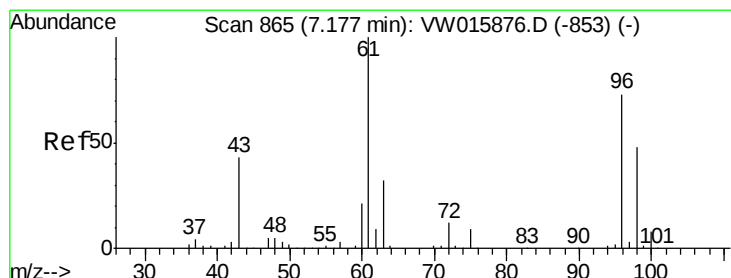
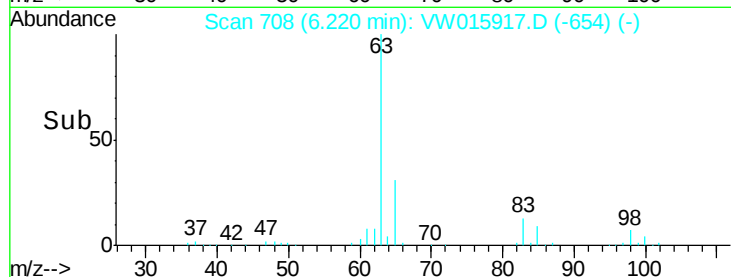
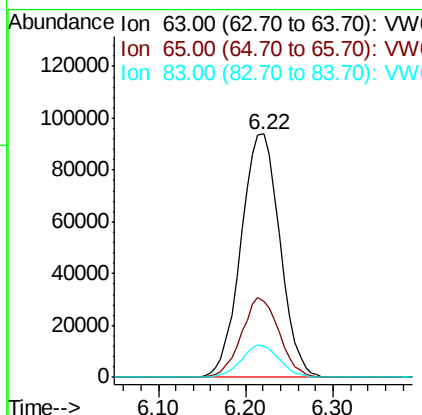
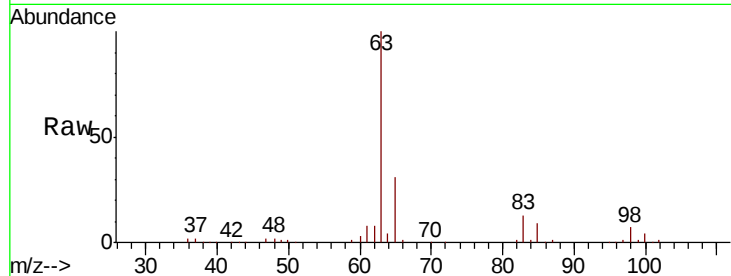




#19
 1,1-Dichloroethane
 Concen: 25.831 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

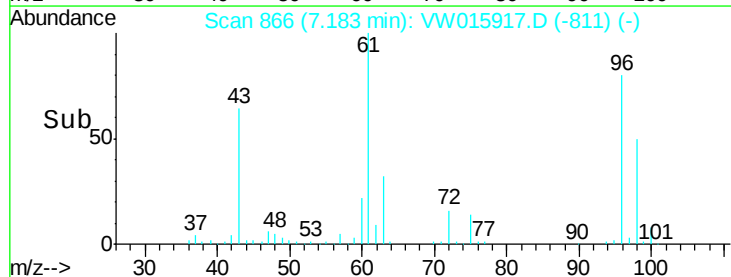
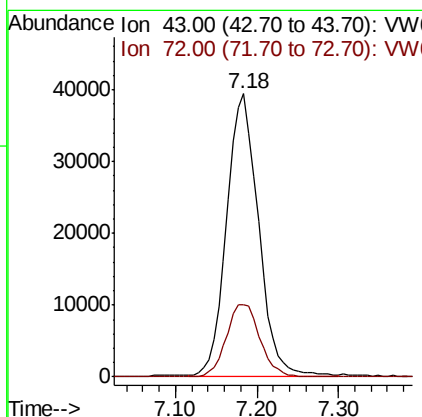
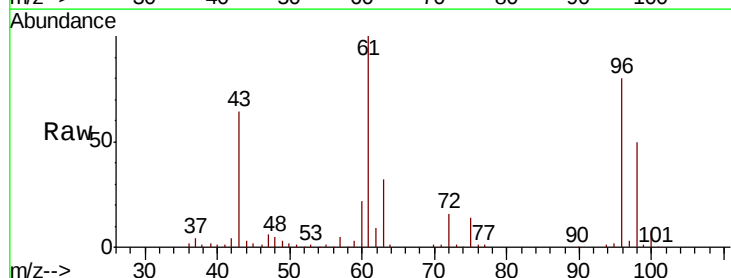
Instrument :
 MSVOA_W
 ClientSampled :

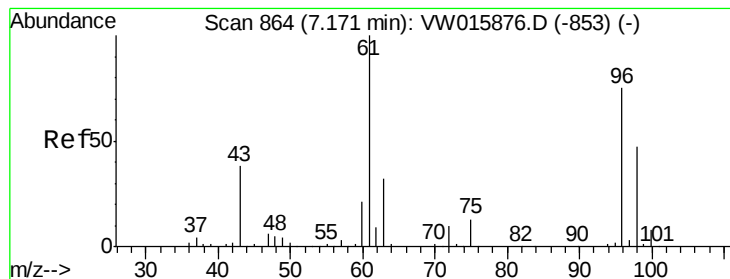
Tot Ion: 63 Resp: 291356
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.2 41.2
 83 12.8 9.8 18.2



#21
 2-Butanone
 Concen: 61.616 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion: 43 Resp: 106939
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.9 41.7



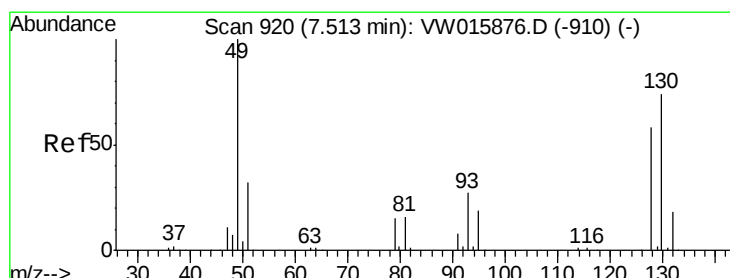
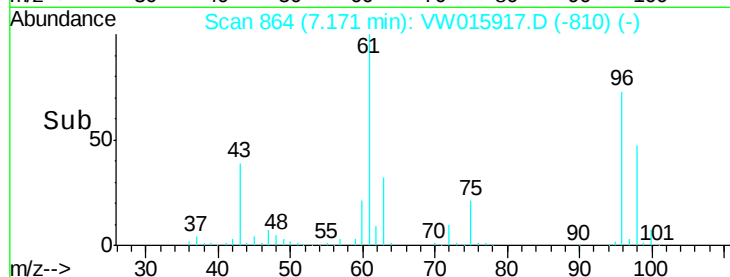
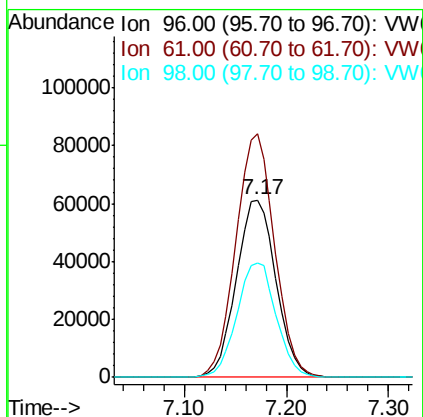
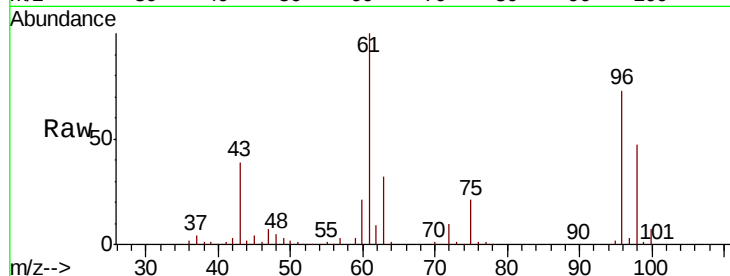


#22

cis-1,2-Dichloroethene
Concen: 25.819 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Instrument :
MSVOA_W
ClientSampled :

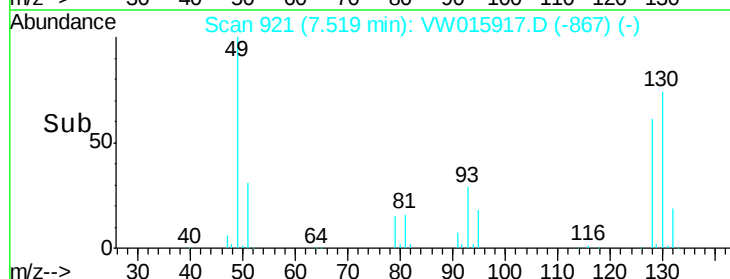
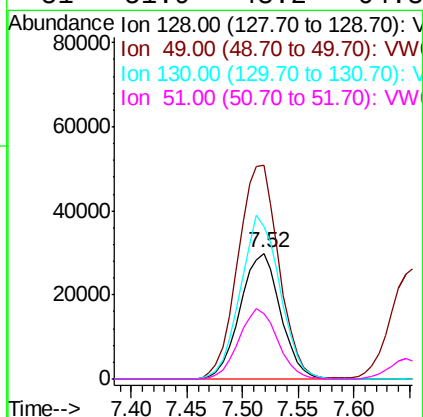
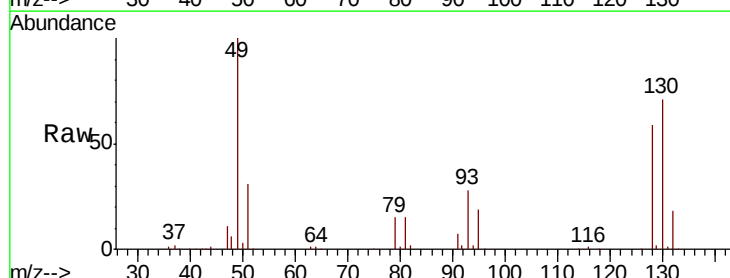
Tot Ion: 96 Resp: 165336
Ion Ratio Lower Upper
96 100
61 137.4 94.6 175.8
98 64.7 44.3 82.3

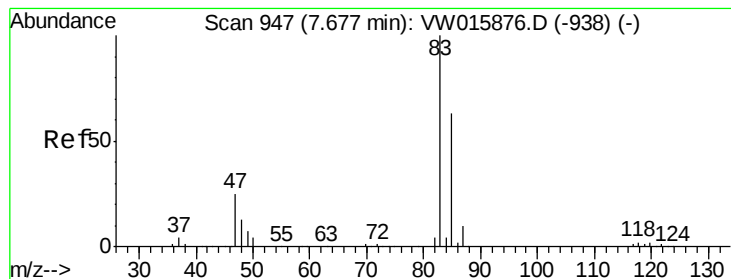


#23

Bromochloromethane
Concen: 26.773 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion: 128 Resp: 75181
Ion Ratio Lower Upper
128 100
49 170.0 122.4 227.2
130 121.4 93.9 174.5
51 51.9 43.2 64.8





#25

Chloroform

Concen: 25.607 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

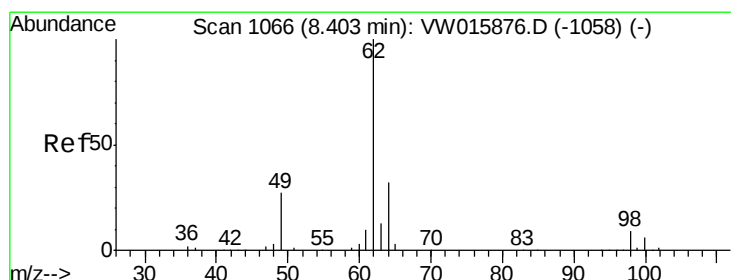
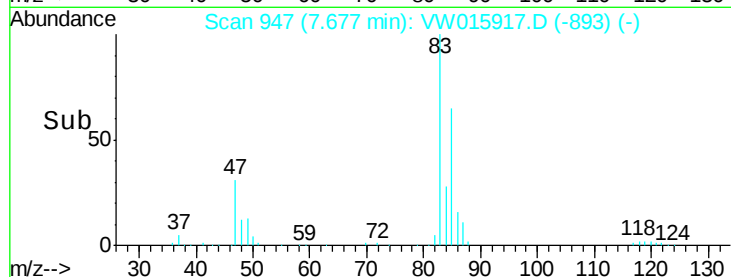
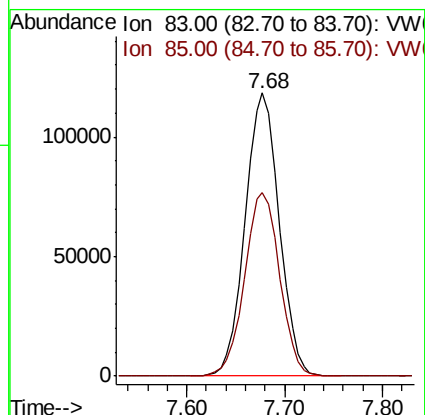
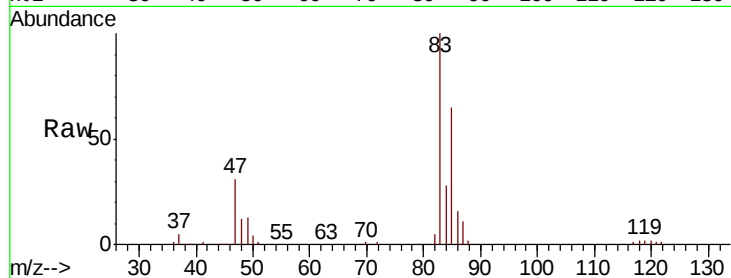
ClientSampleId :

Tot Ion: 83 Resp: 286250

Ion Ratio Lower Upper

83 100

85 66.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 25.815 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015917.D

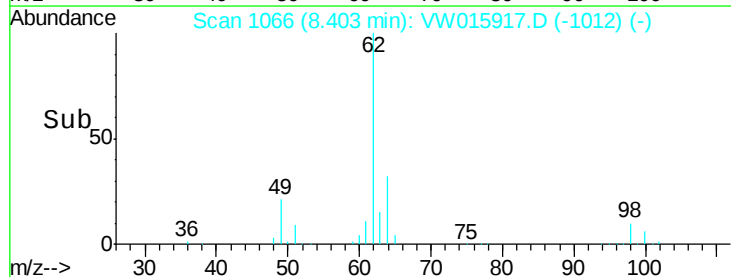
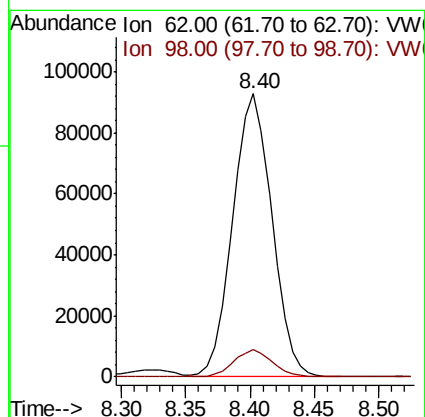
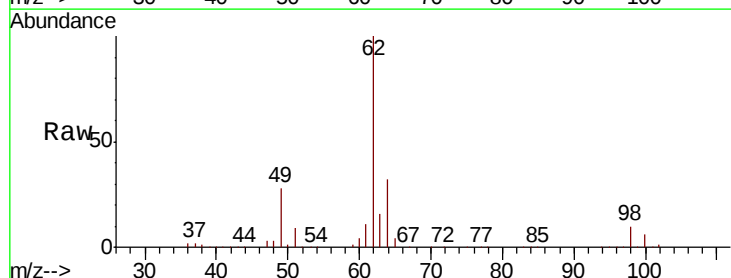
Acq: 23 Jul 2020 10:58

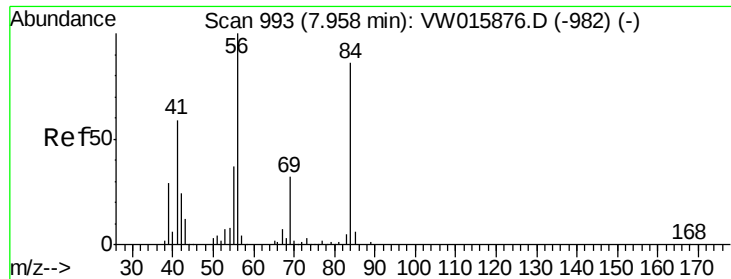
Tgt Ion: 62 Resp: 196360

Ion Ratio Lower Upper

62 100

98 9.9 7.0 10.6

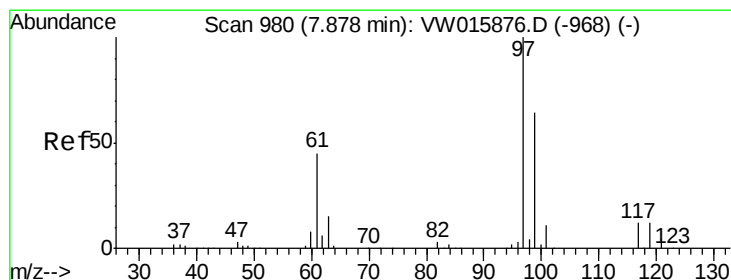
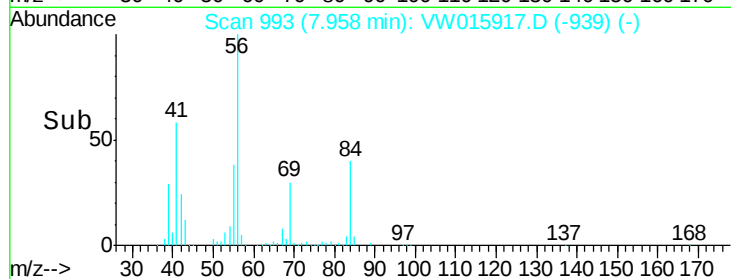
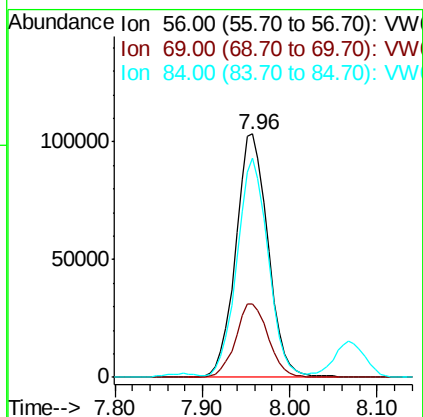
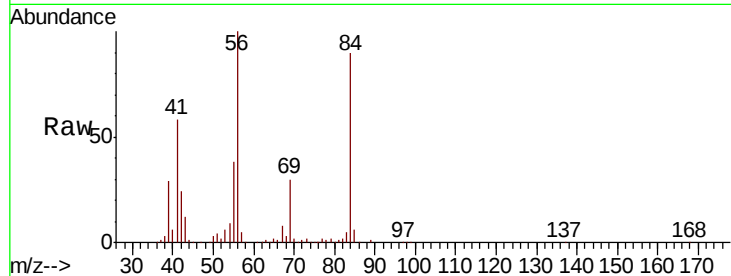




#30
Cyclohexane
Concen: 25.375 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

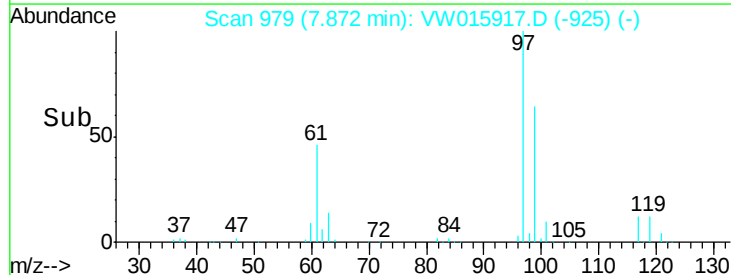
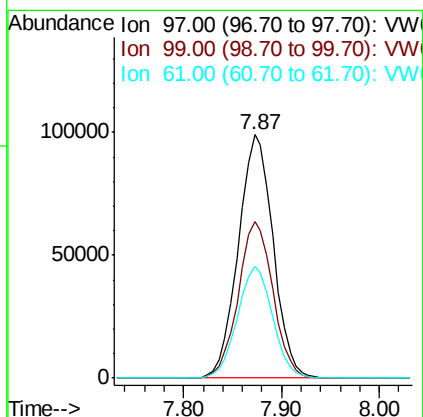
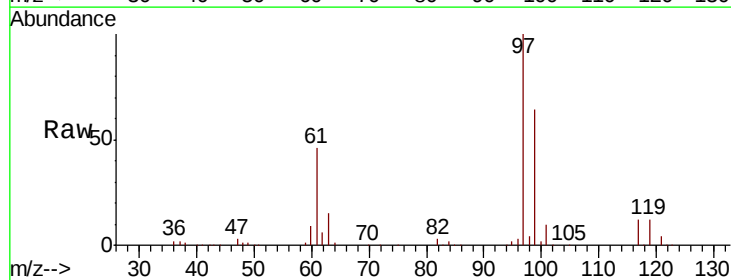
Instrument :
MSVOA_W
ClientSampled :

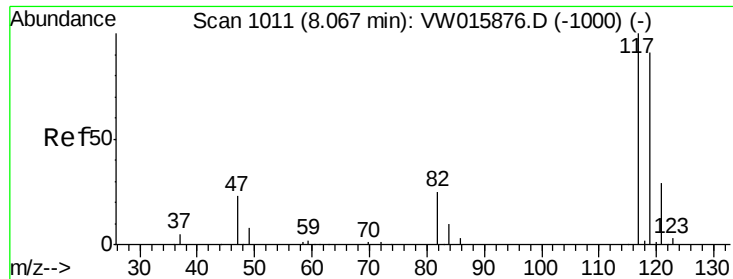
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	87.2	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 25.282 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	46.2	37.6	56.4





#32

Carbon tetrachloride

Concen: 25.222 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

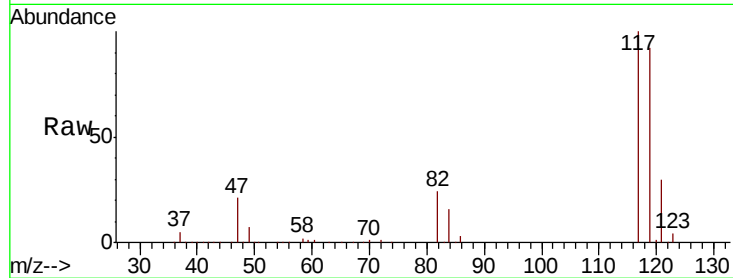
ClientSampled :

Tot Ion:117 Resp: 221500

Ion Ratio Lower Upper

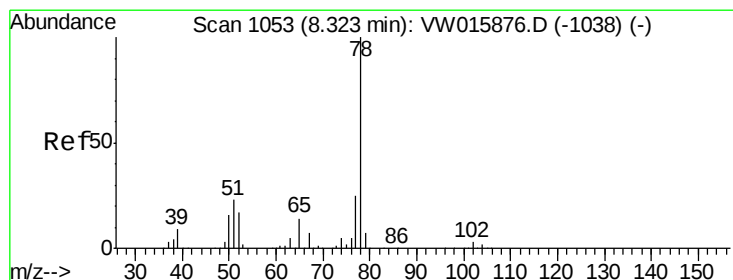
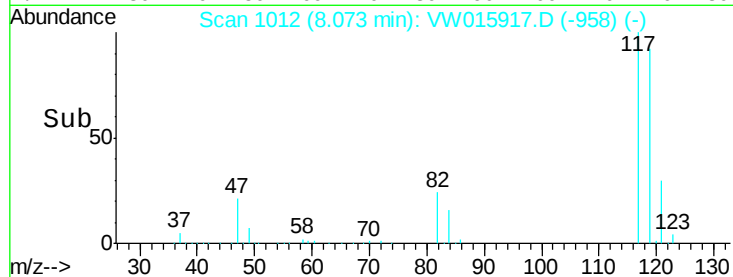
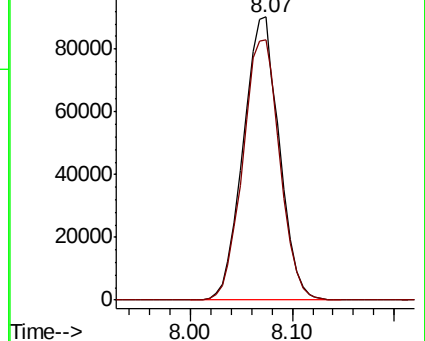
117 100

119 94.3 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: 25.708 ug/L

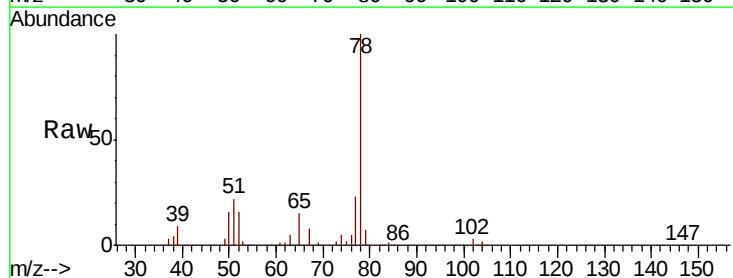
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

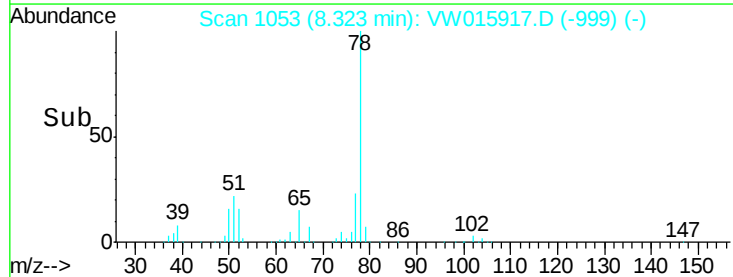
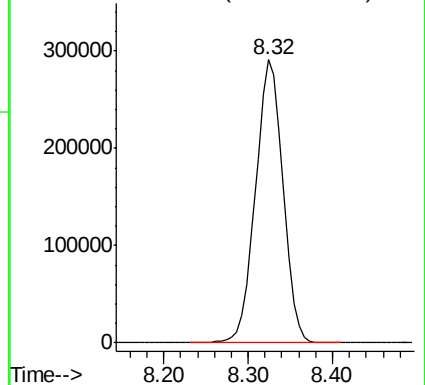
Lab File: VW015917.D

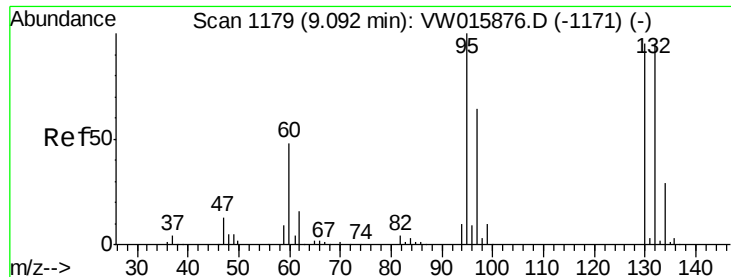
Acq: 23 Jul 2020 10:58

Tgt Ion: 78 Resp: 647604



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.635 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 164160

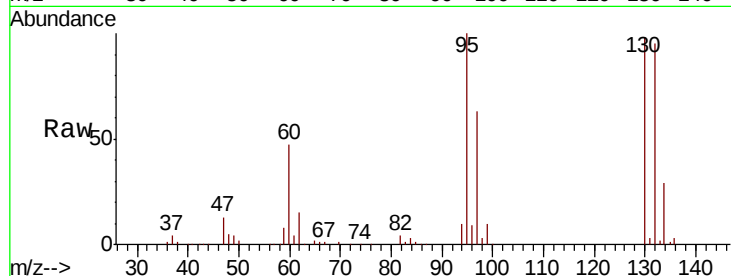
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.4

132 97.1 65.1 120.9

130 99.8 68.6 127.4



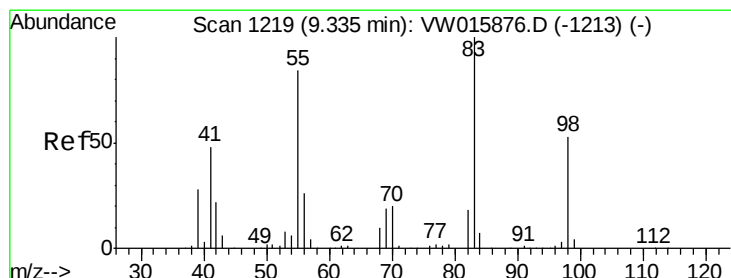
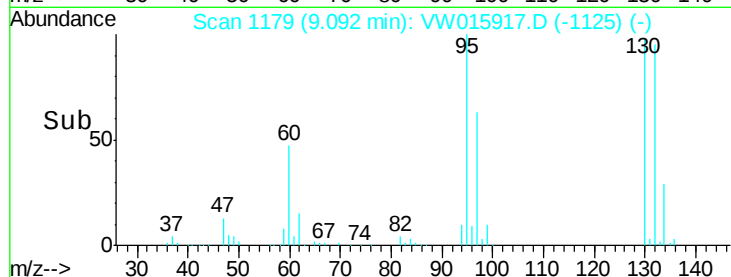
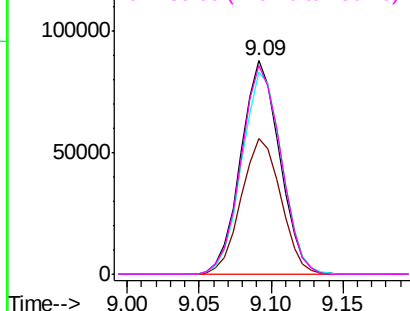
Abundance

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: 25.334 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

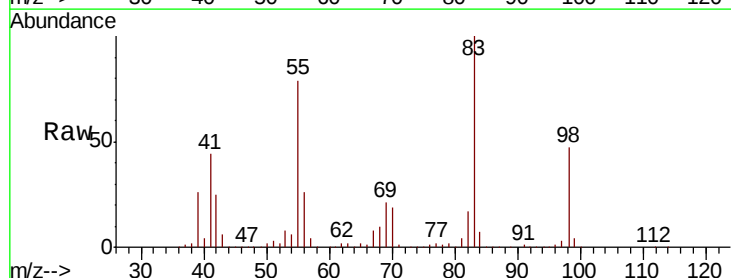
Tgt Ion: 83 Resp: 289678

Ion Ratio Lower Upper

83 100

55 79.0 63.5 95.3

98 48.2 39.0 58.4

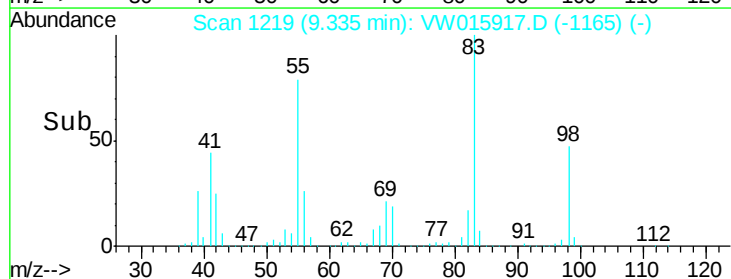
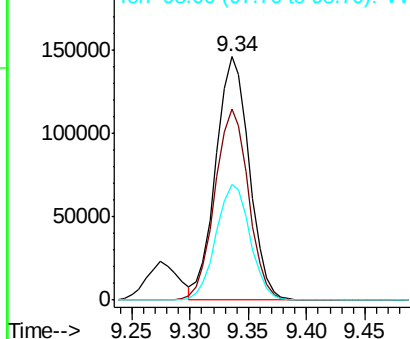


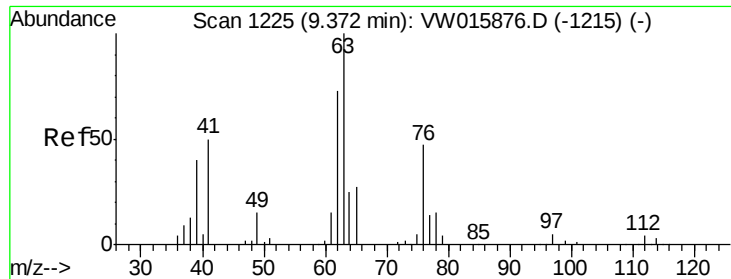
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

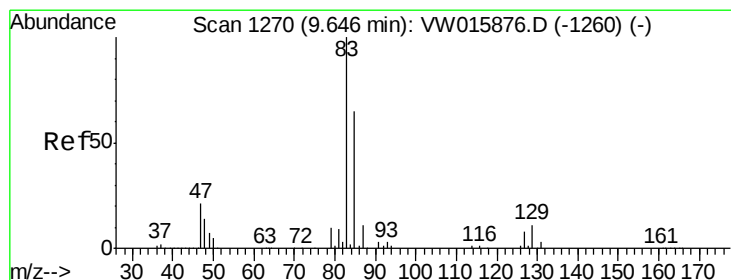
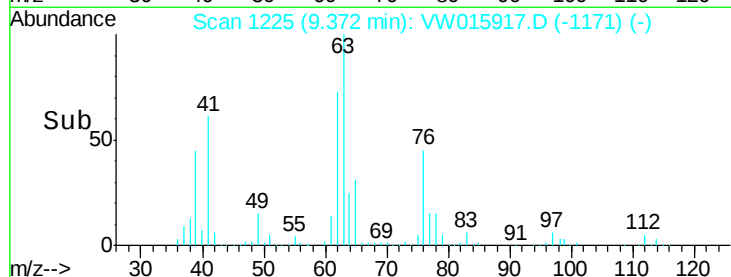
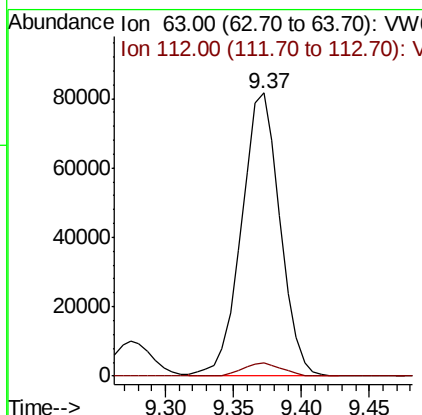
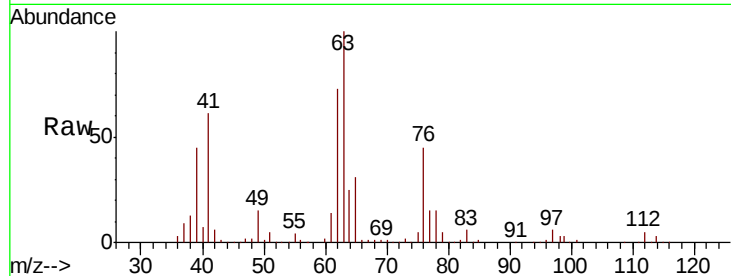




#40
 1,2-Dichloropropane
 Concen: 25.909 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

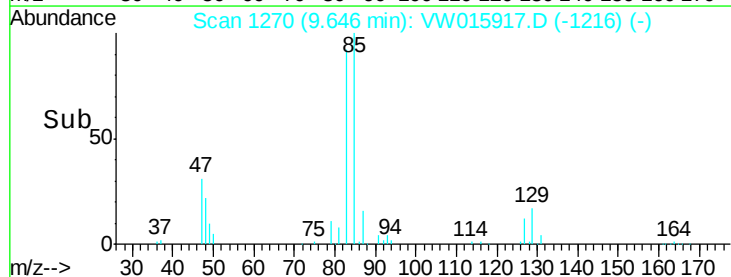
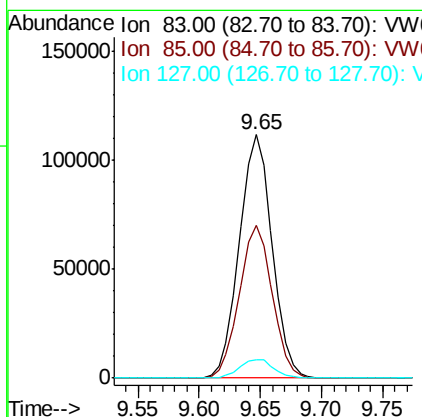
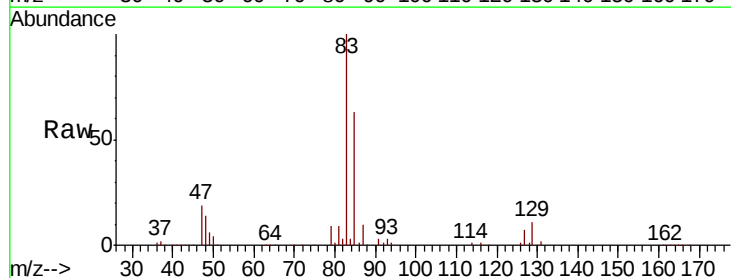
Instrument :
 MSVOA_W
 ClientSampled :

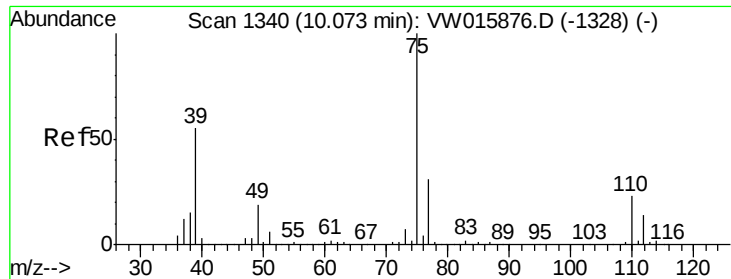
Tot Ion: 63 Resp: 161686
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#41
 Bromodichloromethane
 Concen: 25.816 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion: 83 Resp: 208059
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.7 81.1
 127 7.5 6.5 9.7

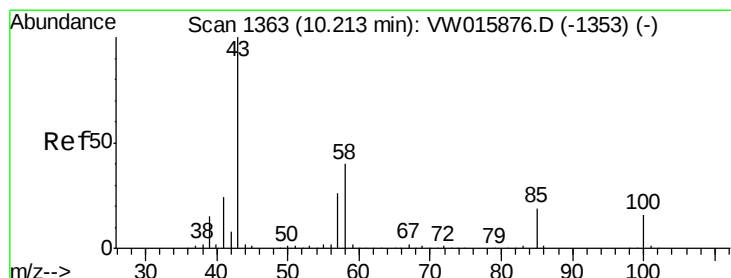
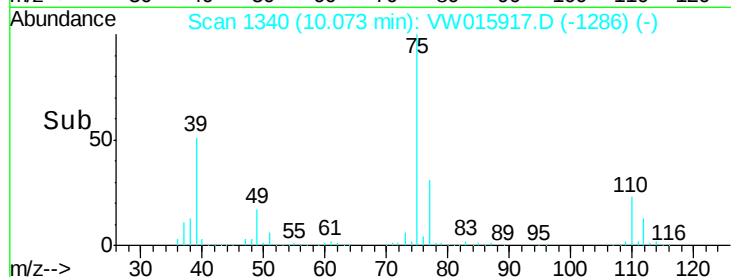
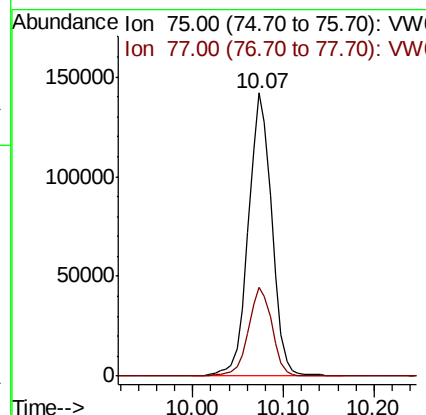
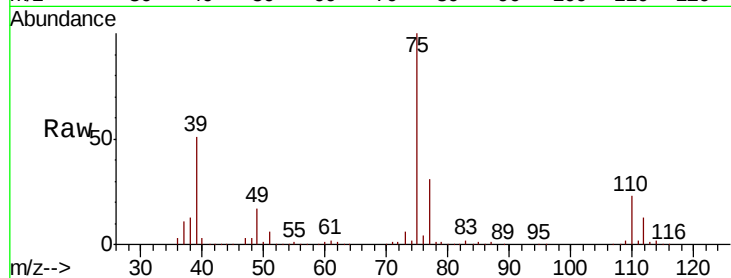




#42
 cis-1,3-Dichloropropene
 Concen: 26.737 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

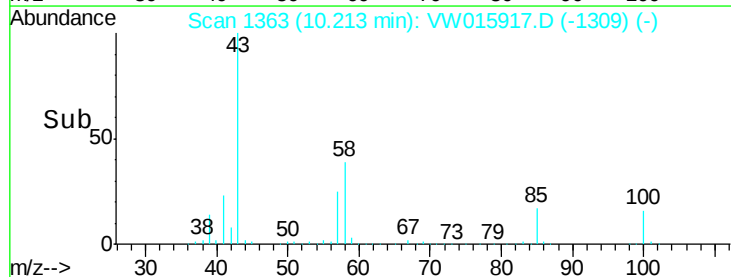
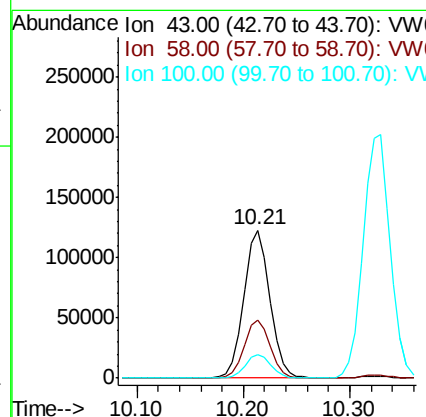
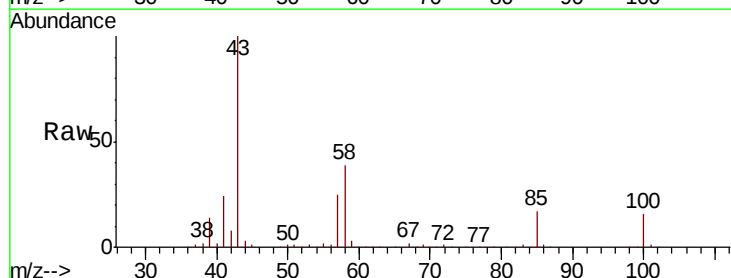
Instrument :
 MSVOA_W
 ClientSampleId :

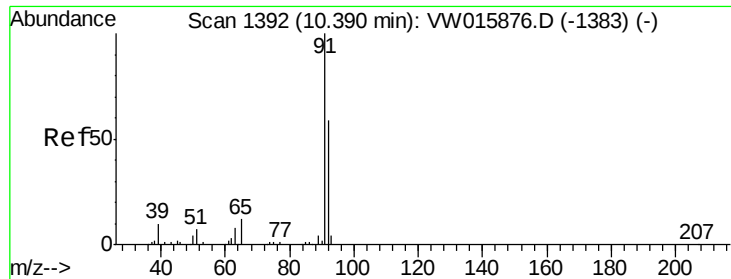
Tot Ion: 75 Resp: 254122
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 58.084 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion: 43 Resp: 211574
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.4
 100 15.8 12.6 19.0





#44

Toluene

Concen: 26.243 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

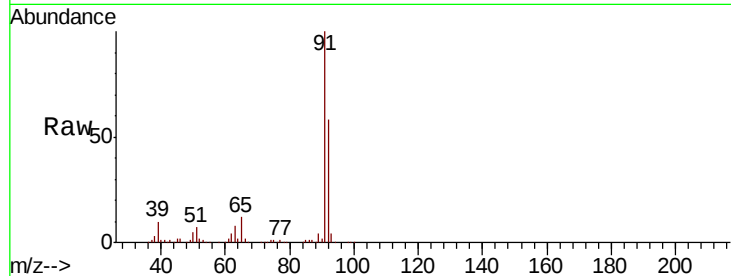
ClientSampleId :

Tot Ion: 91 Resp: 693353

Ion Ratio Lower Upper

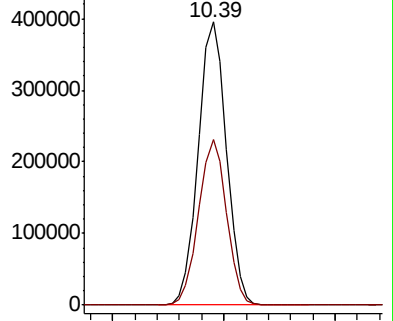
91 100

92 58.3 41.2 76.4

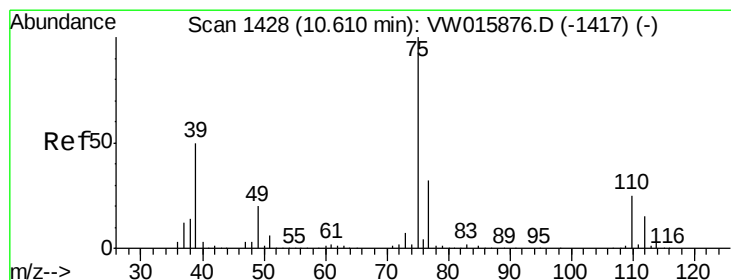
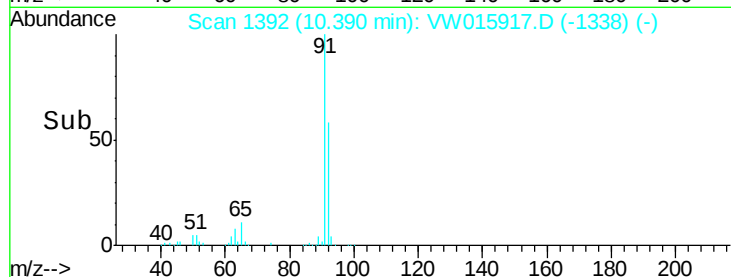


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.069 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015917.D

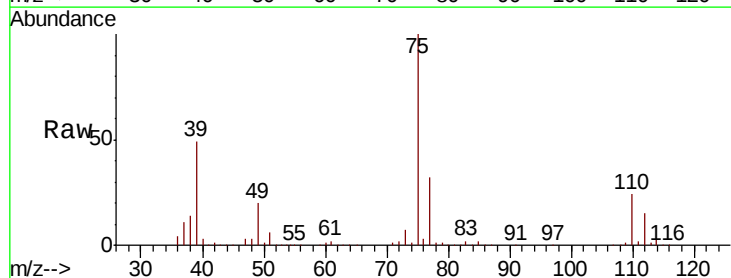
Acq: 23 Jul 2020 10:58

Tgt Ion: 75 Resp: 223006

Ion Ratio Lower Upper

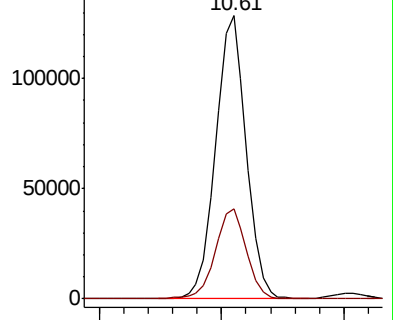
75 100

77 31.6 22.5 41.9

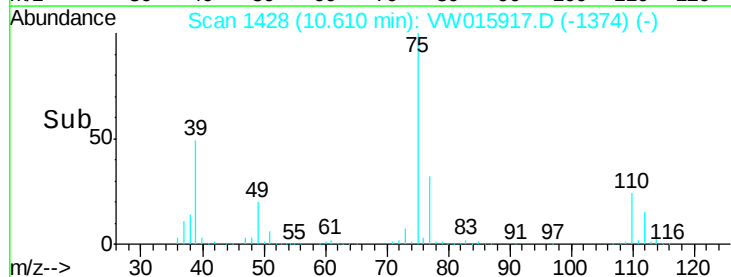


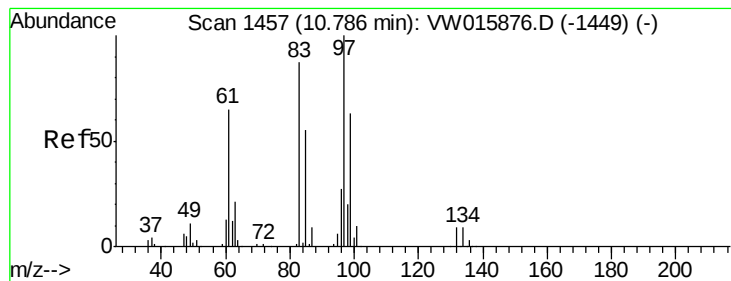
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 26.818 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 120346

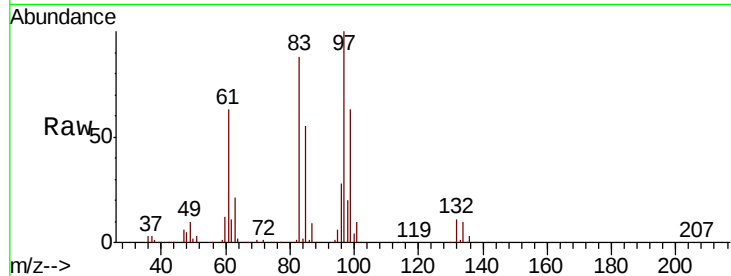
Ion	Ratio	Lower	Upper
97	100		
83	87.8	60.6	112.6
85	55.4	38.9	72.2
99	63.4	43.1	80.1

97 100

83 87.8 60.6 112.6

85 55.4 38.9 72.2

99 63.4 43.1 80.1



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

10.79

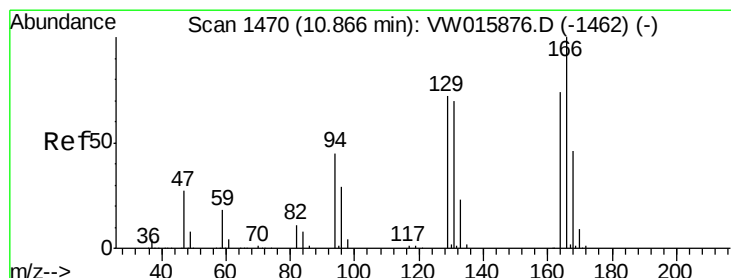
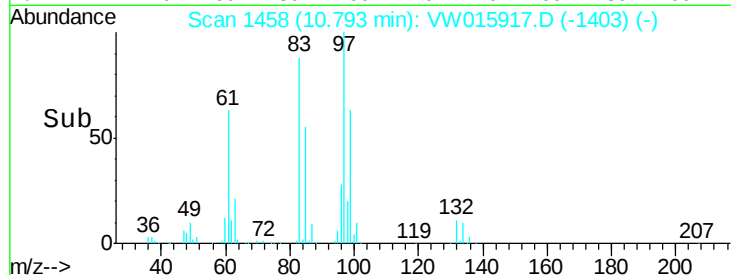
60000

40000

20000

0

Time--> 10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 24.923 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Tgt Ion: 164 Resp: 128913

Ion	Ratio	Lower	Upper
164	100		
129	94.2	70.0	130.0
131	86.0	67.3	124.9
166	119.9	88.5	164.3

164 100

129 94.2 70.0 130.0

131 86.0 67.3 124.9

166 119.9 88.5 164.3

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

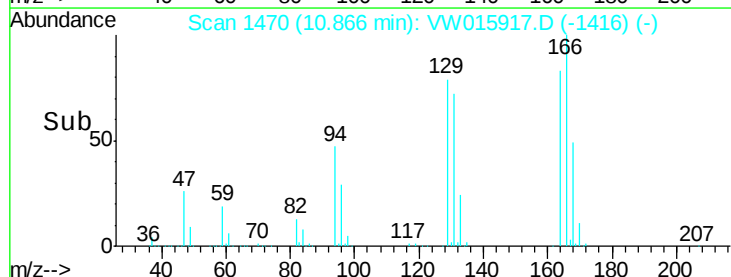
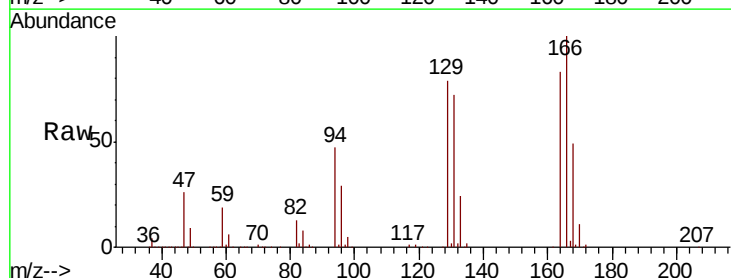
10.87

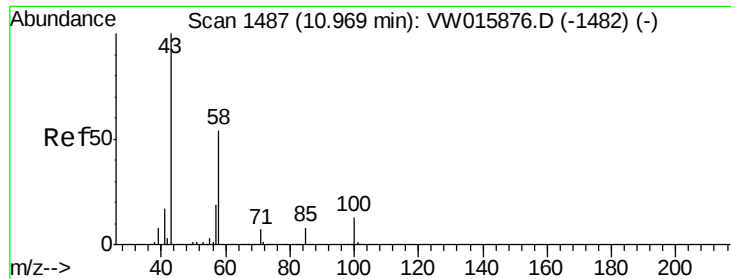
100000

50000

0

Time--> 10.80 10.85 10.90 10.95

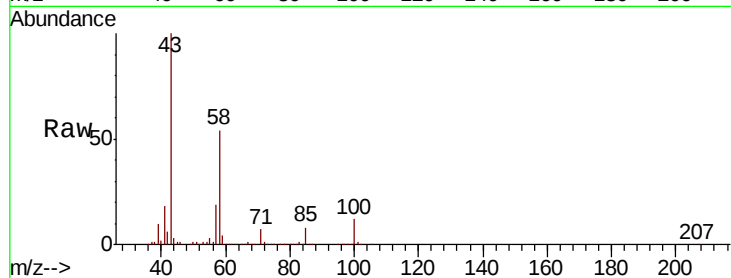




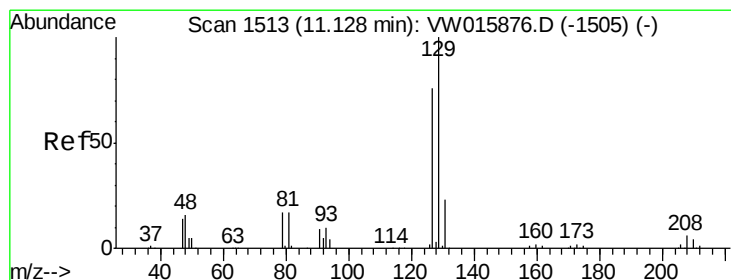
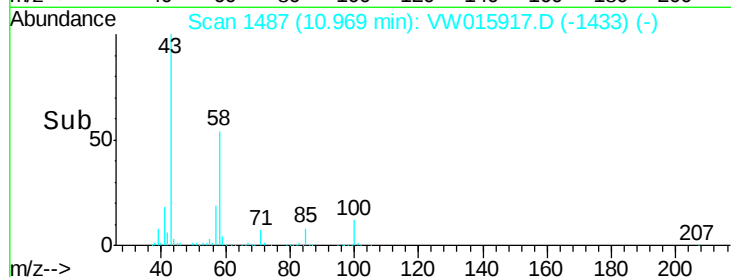
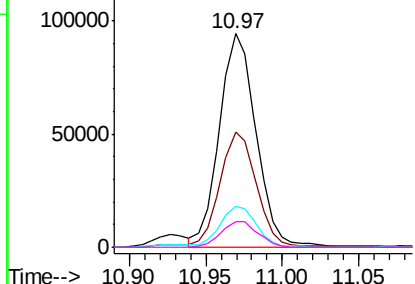
#49
2-Hexanone
Concen: 60.856 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 157305
Ion Ratio Lower Upper
43 100
58 53.3 42.4 63.6
57 19.2 15.6 23.4
100 12.3 9.8 14.6

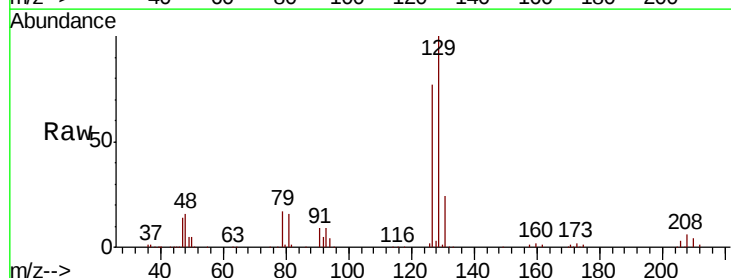


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

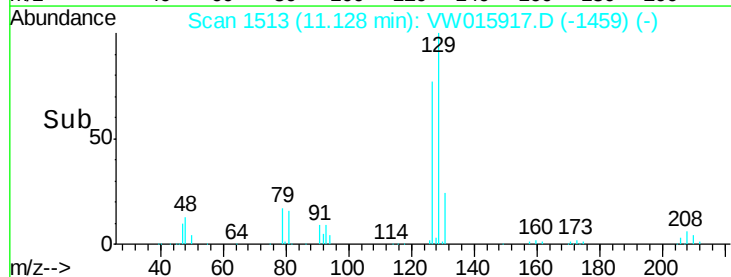
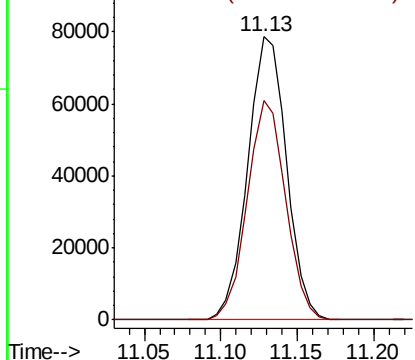


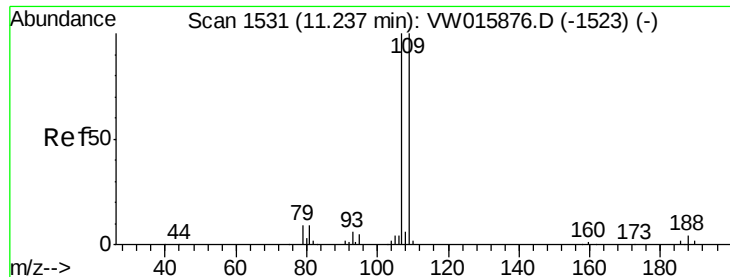
#50
Dibromochloromethane
Concen: 26.746 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion: 129 Resp: 138959
Ion Ratio Lower Upper
129 100
127 77.4 53.8 100.0



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

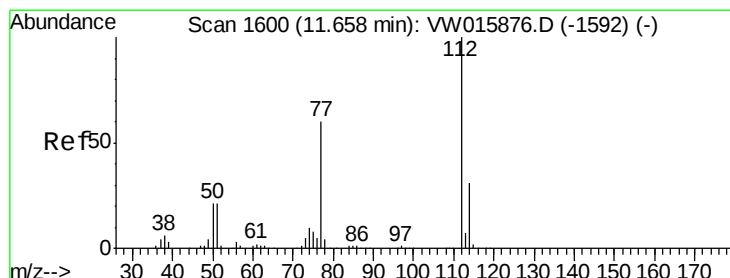
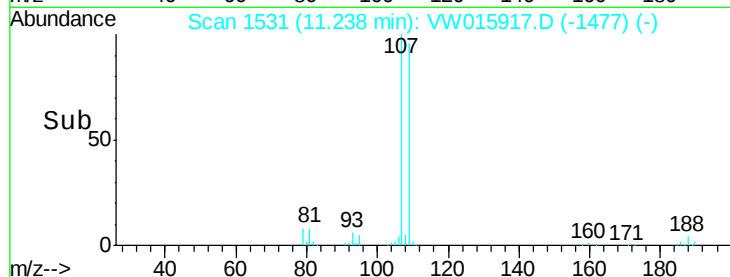
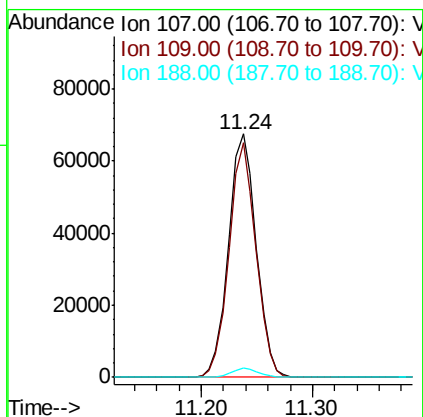
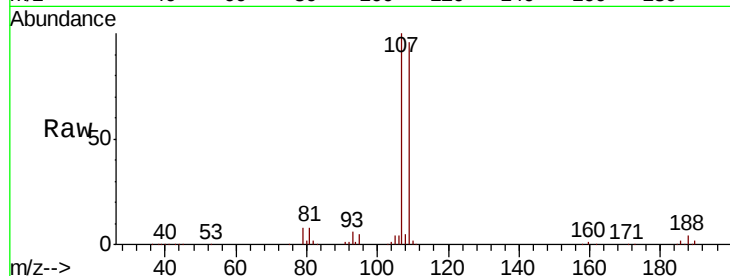




#51
1,2-Dibromoethane
Concen: 27.043 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

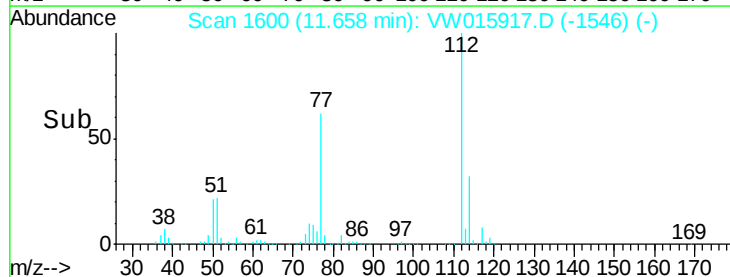
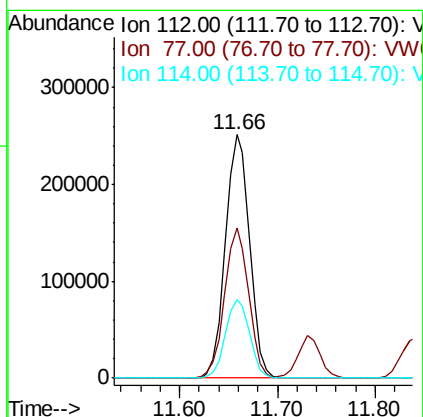
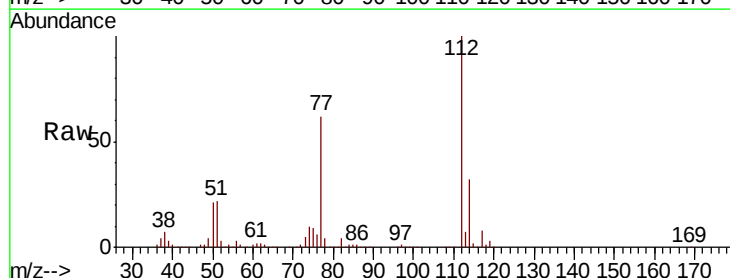
Instrument :
MSVOA_W
ClientSampled :

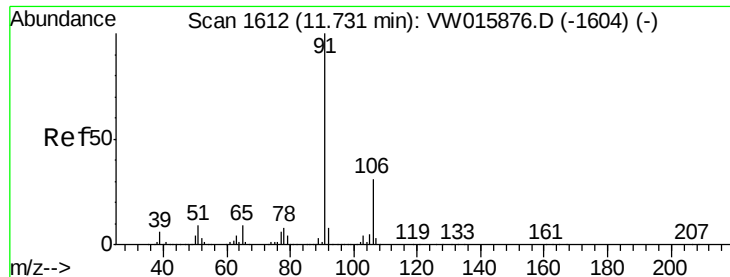
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	66.9	124.3
188	3.9	3.2	4.8



#52
Chlorobenzene
Concen: 25.388 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.8	47.8	71.6
114	32.0	22.1	41.1

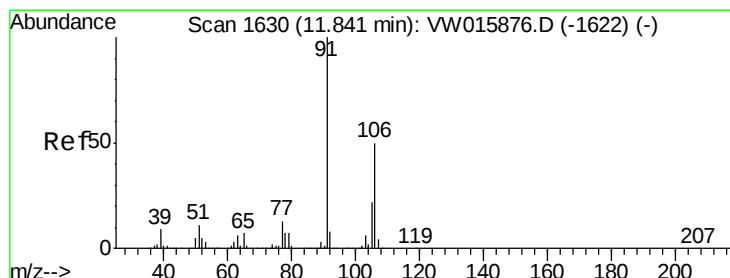
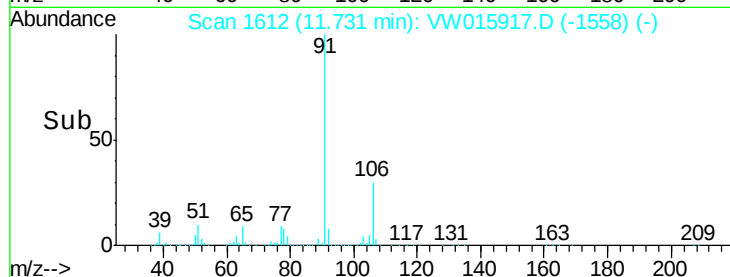
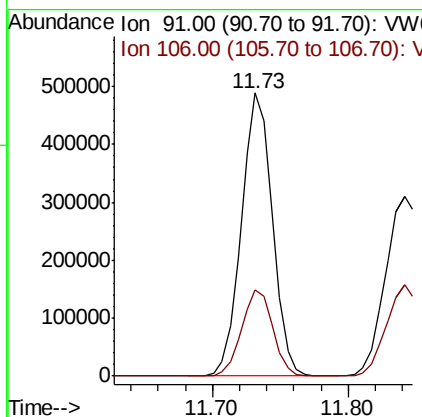
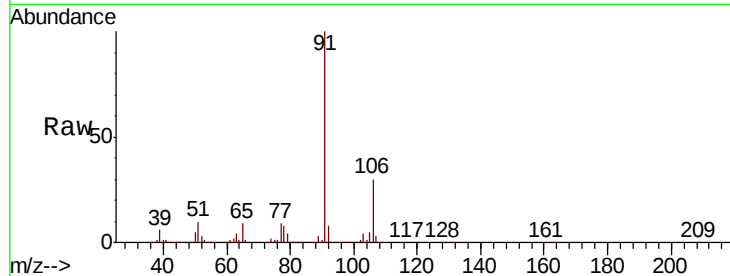




#53
Ethylbenzene
Concen: 26.144 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

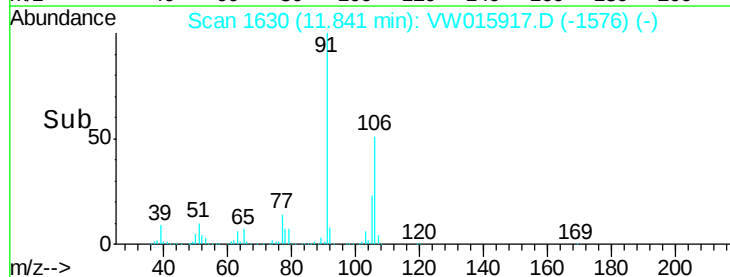
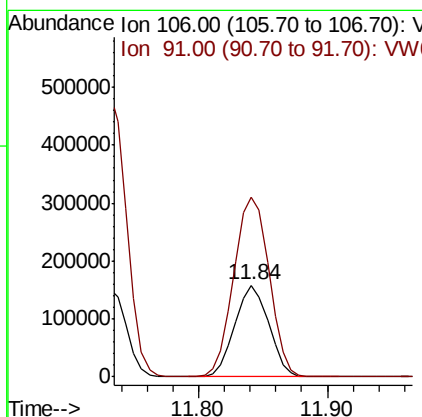
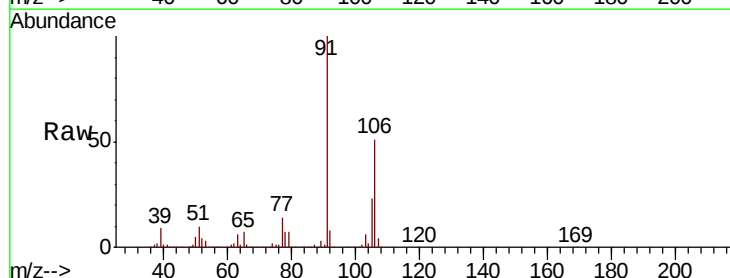
Instrument :
MSVOA_W
ClientSampled :

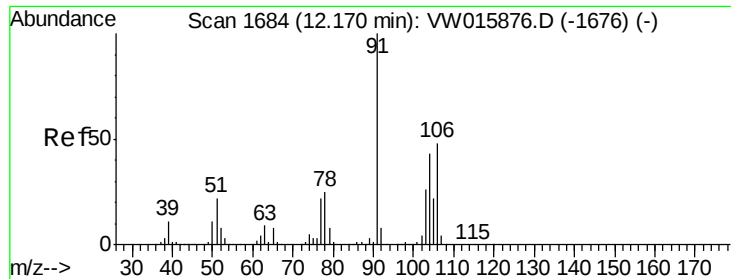
Tot Ion: 91 Resp: 776728
Ion Ratio Lower Upper
91 100
106 30.3 22.4 41.6



#54
m,p-Xylene
Concen: 26.228 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion: 106 Resp: 291533
Ion Ratio Lower Upper
106 100
91 196.1 144.1 267.5

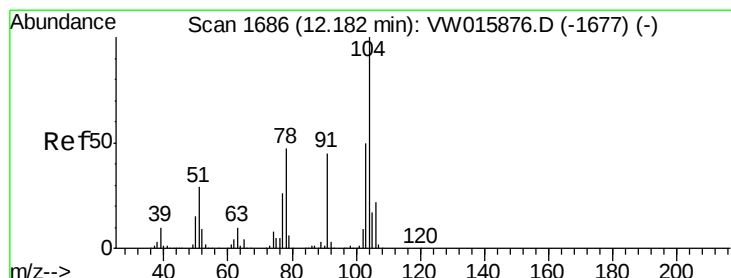
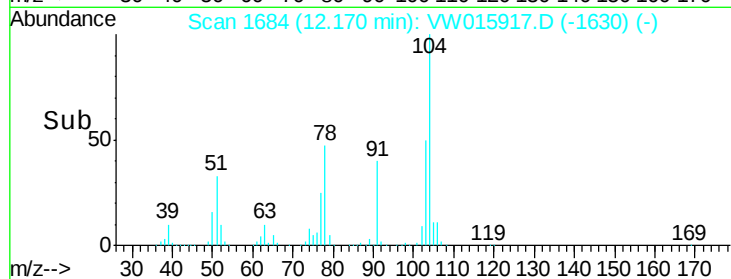
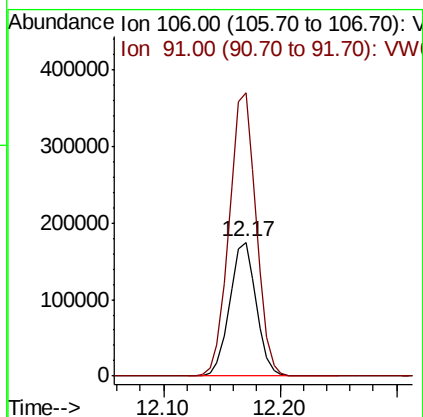
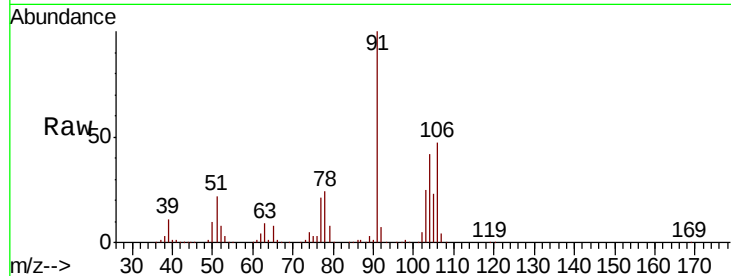




#55
o-xylene
Concen: 26.420 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

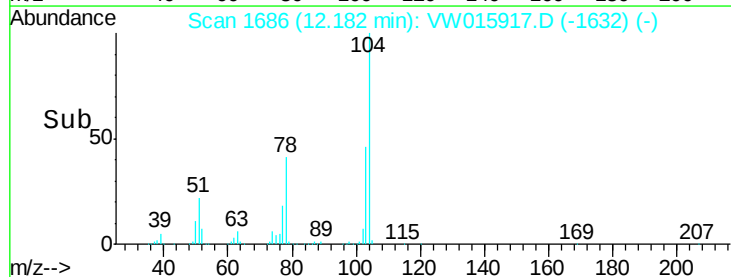
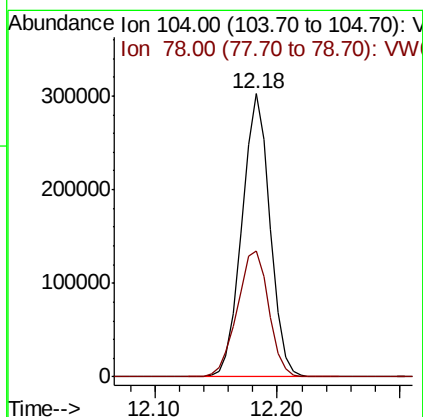
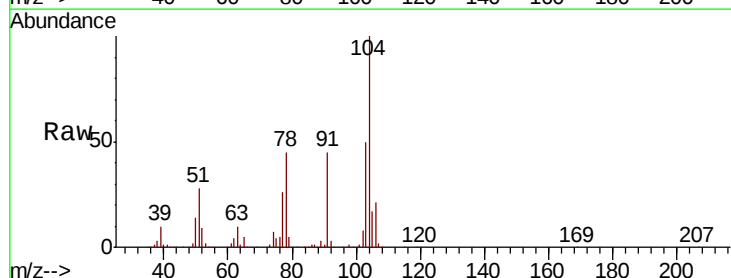
Instrument :
MSVOA_W
ClientSampled :

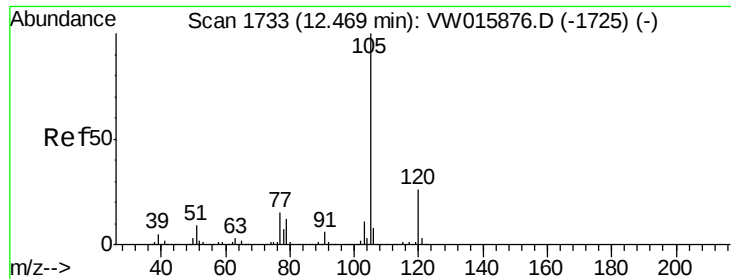
Tot Ion:106 Resp: 276517
Ion Ratio Lower Upper
106 100
91 211.0 146.8 272.6



#56
Styrene
Concen: 27.008 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015917.D
Acq: 23 Jul 2020 10:58

Tgt Ion:104 Resp: 480721
Ion Ratio Lower Upper
104 100
78 44.6 32.0 59.4





#57

Isopropylbenzene

Concen: 26.396 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

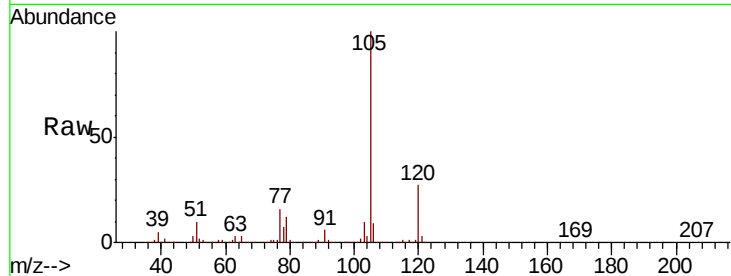
Tot Ion:105 Resp: 752058

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

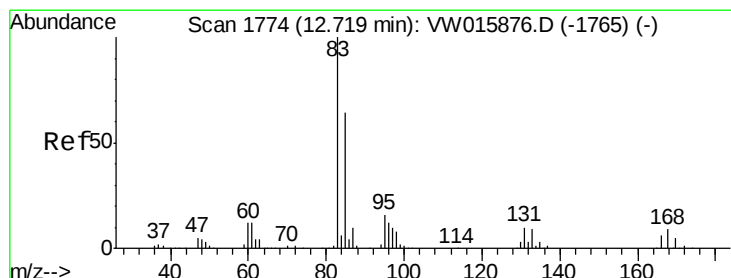
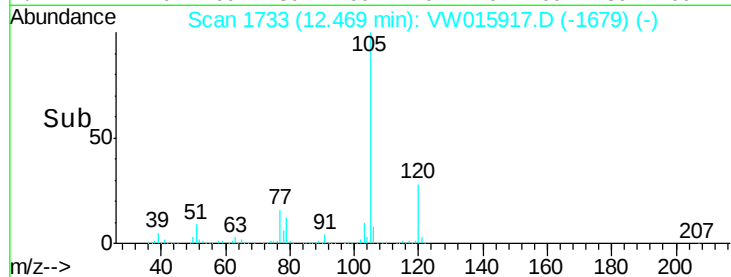
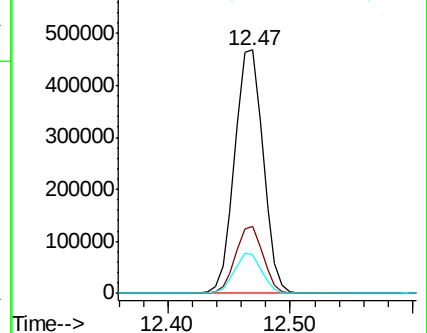
77 15.8 12.9 19.3



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: 28.429 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

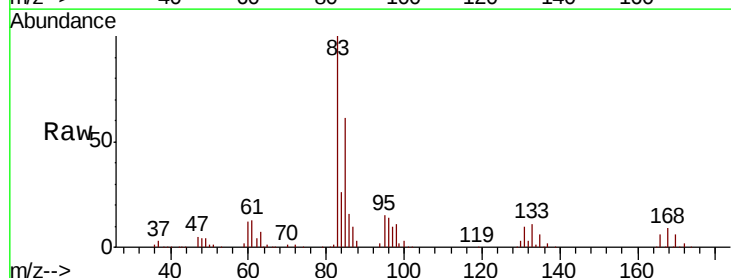
Tgt Ion: 83 Resp: 149807

Ion Ratio Lower Upper

83 100

85 61.0 45.1 83.7

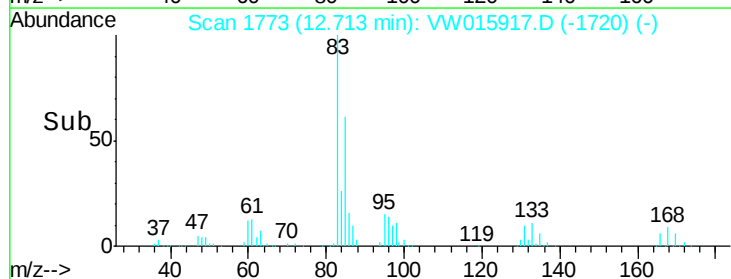
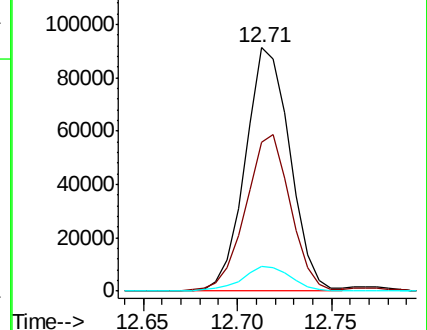
131 10.0 8.2 12.4

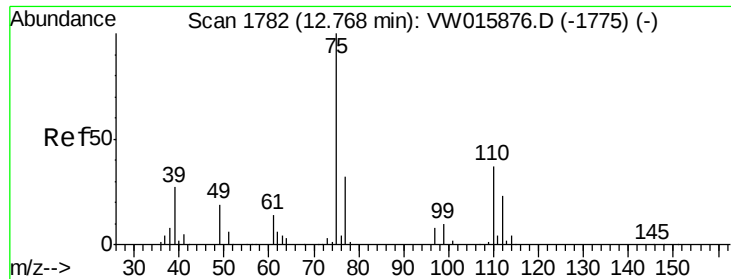


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

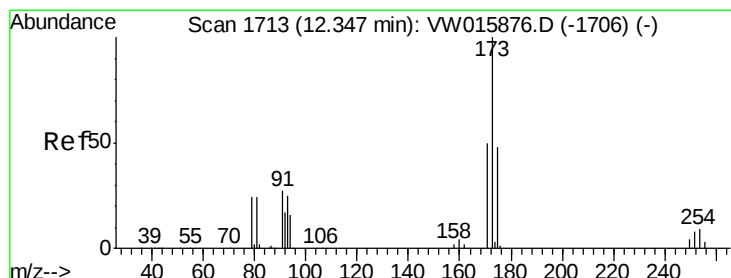
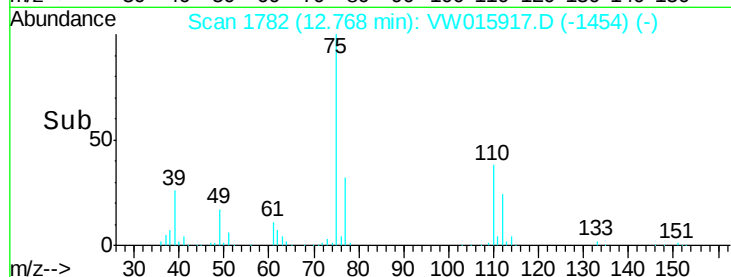
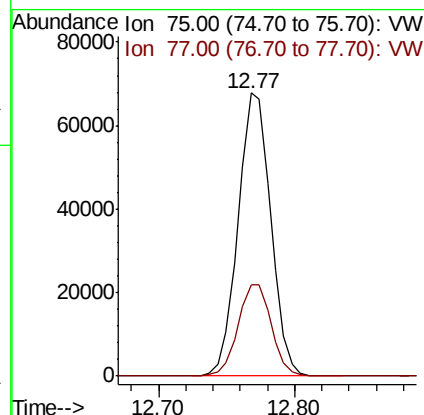
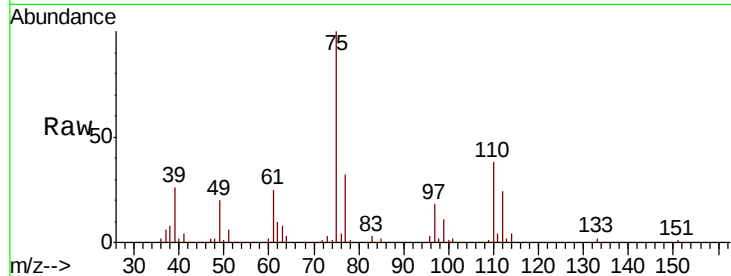




#59
 1,2,3-Trichloropropane
 Concen: 28.709 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

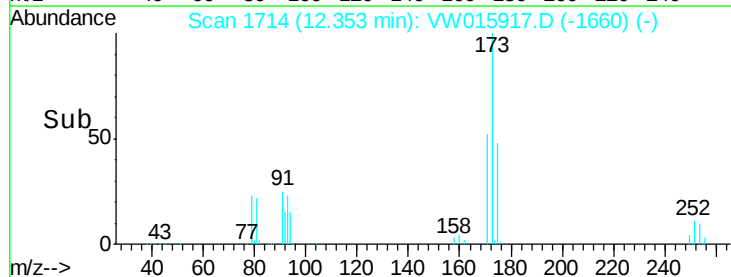
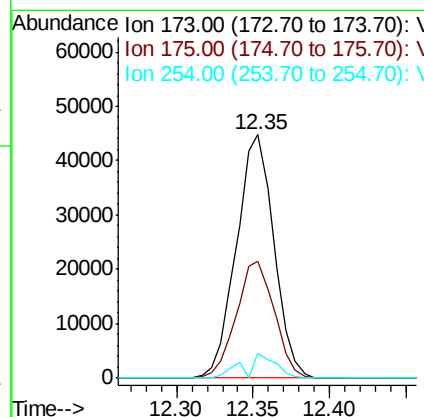
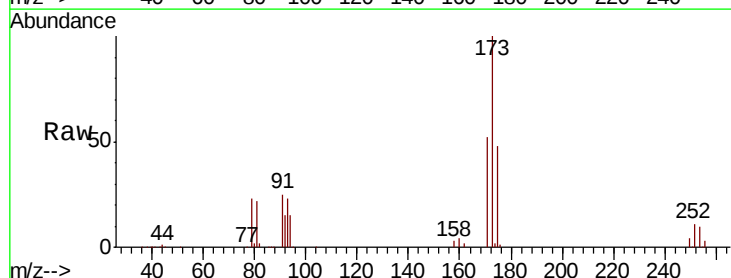
Instrument :
 MSVOA_W
 ClientSampleId :

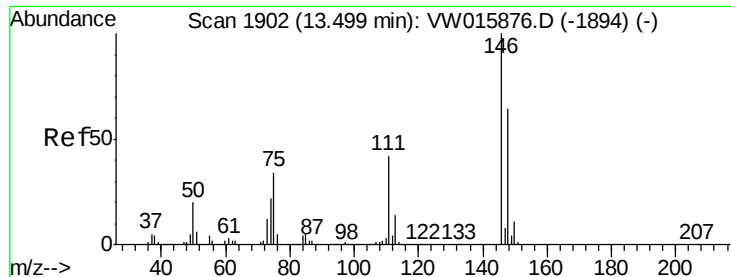
Tot Ion: 75 Resp: 113352
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.0 39.0



#62
 Bromoform
 Concen: 26.217 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion: 173 Resp: 76293
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.7 58.1
 254 5.8 7.9 11.9#

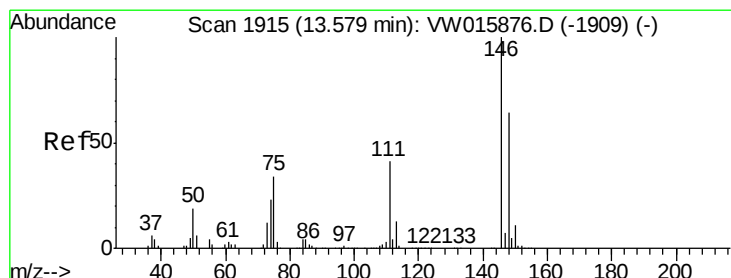
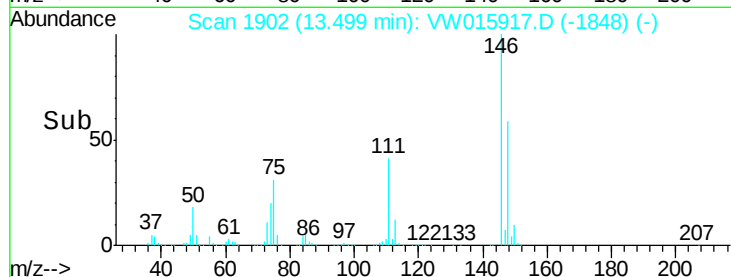
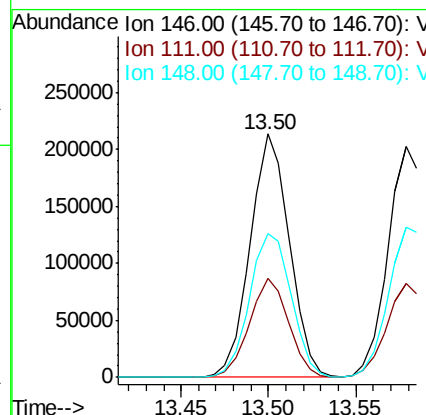
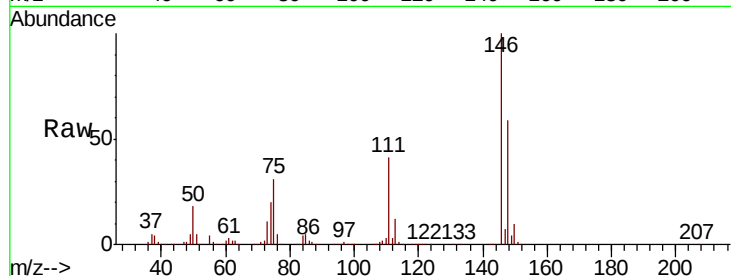




#63
 1,3-Dichlorobenzene
 Concen: 26.316 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

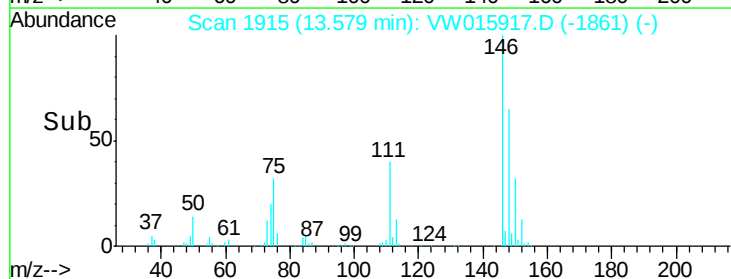
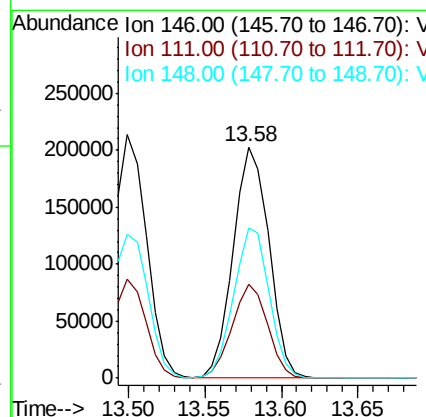
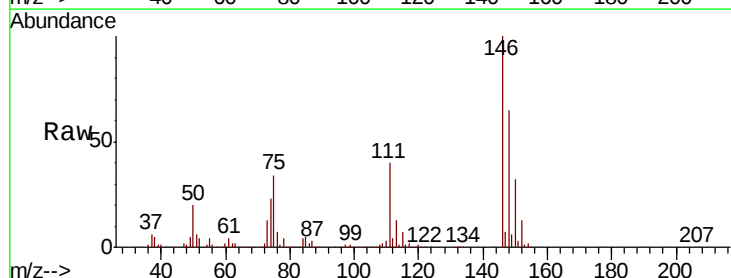
Instrument :
 MSVOA_W
 ClientSampleId :

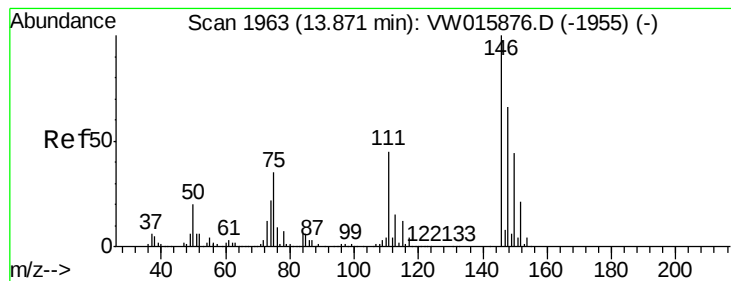
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.9	51.7
148	59.2	43.2	80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.562 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	29.3	54.3
148	64.7	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 25.891 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

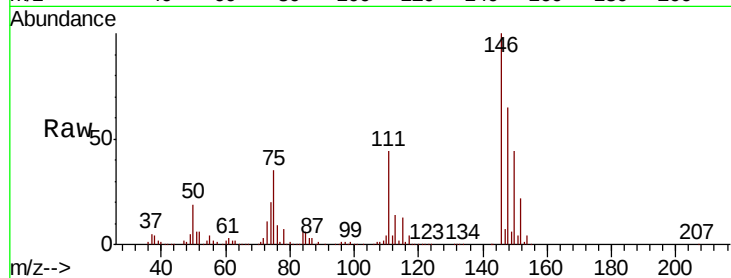
Tot Ion:146 Resp: 297761

Ion Ratio Lower Upper

146 100

111 43.7 32.9 49.3

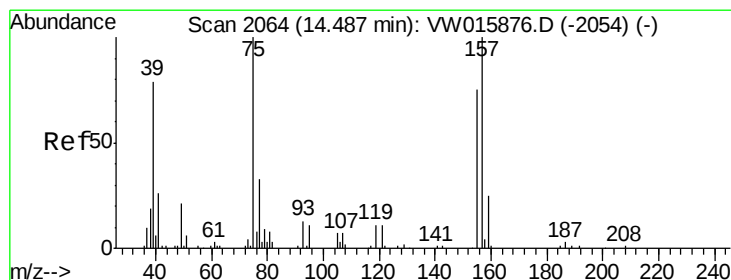
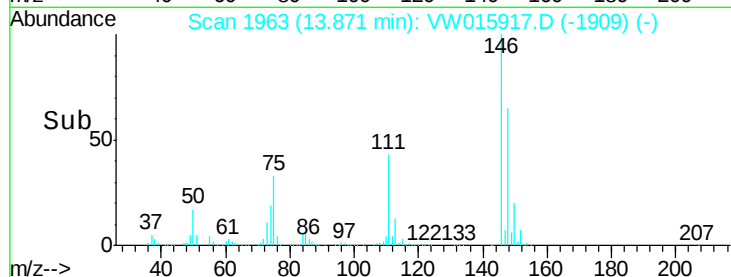
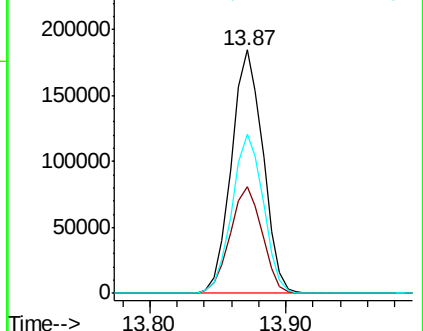
148 65.4 48.8 73.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.371 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

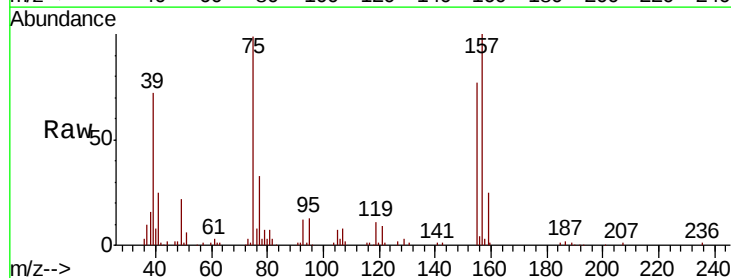
Tgt Ion: 75 Resp: 24558

Ion Ratio Lower Upper

75 100

157 100.6 83.0 124.4

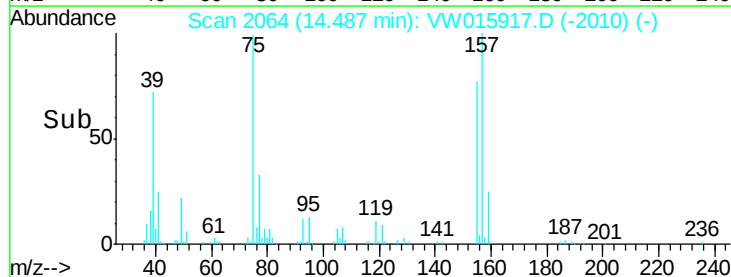
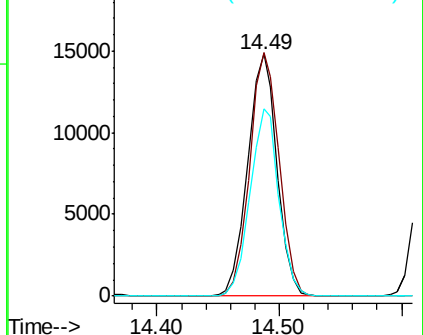
155 77.2 66.9 100.3

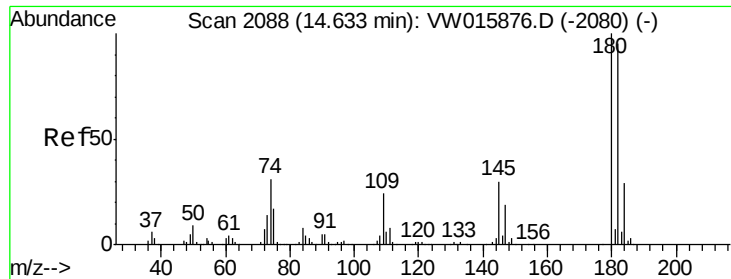


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

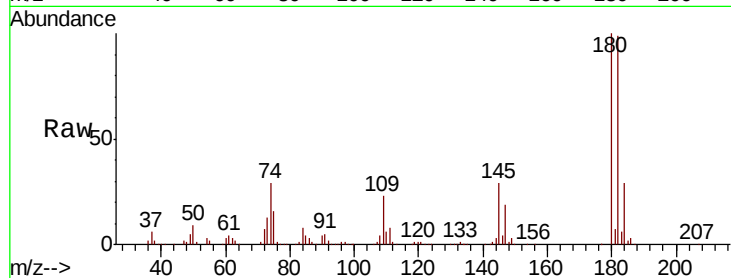




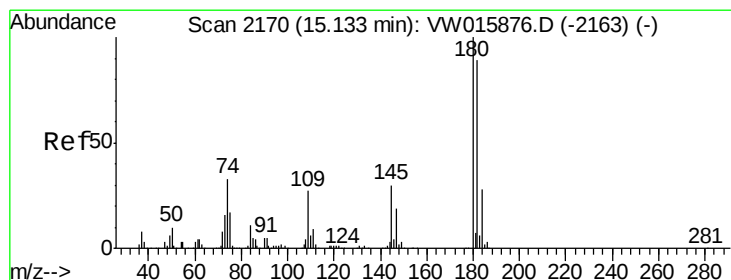
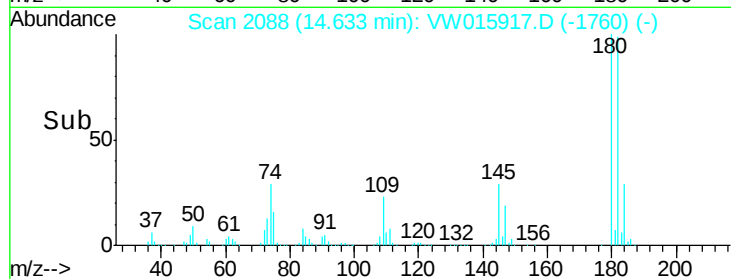
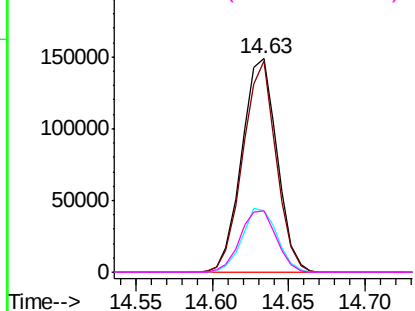
#67
 1,3,5-Trichlorobenzene
 Concen: 26.748 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	238120
Ion	Ratio	Lower Upper
180	100	
182	93.5	75.4 113.0
184	29.7	24.6 37.0
145	29.6	24.1 36.1

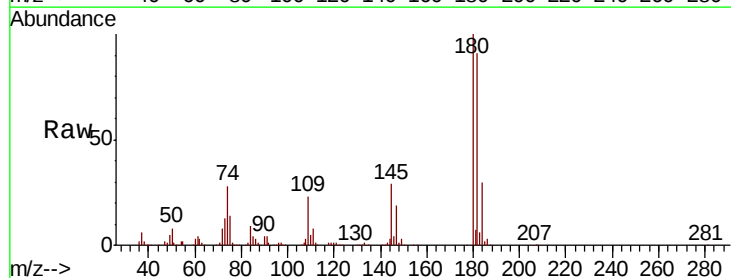


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

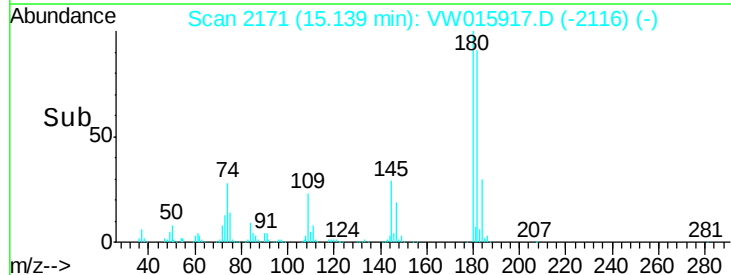
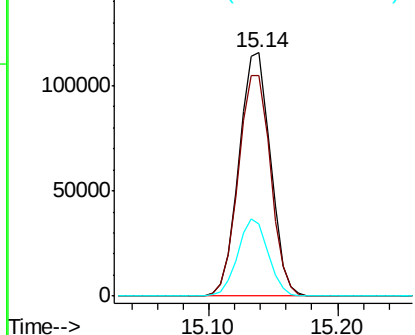


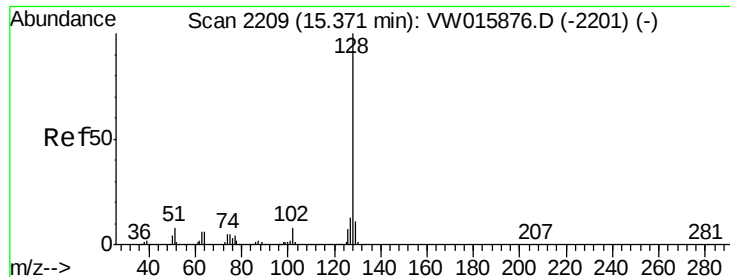
#68
 1,2,4-trichlorobenzene
 Concen: 27.728 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015917.D
 Acq: 23 Jul 2020 10:58

Tgt Ion:180	Resp:	196070
Ion	Ratio	Lower Upper
180	100	
182	92.9	76.0 114.0
145	30.5	24.3 36.5



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: 30.095 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

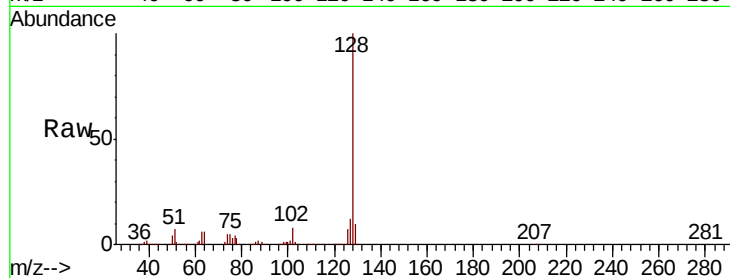
Tot Ion:128 Resp: 400909

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 12.7 10.5 15.7

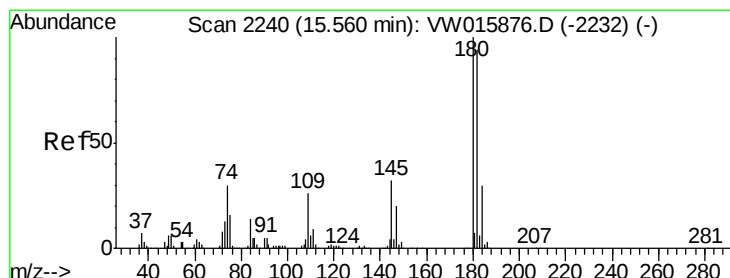
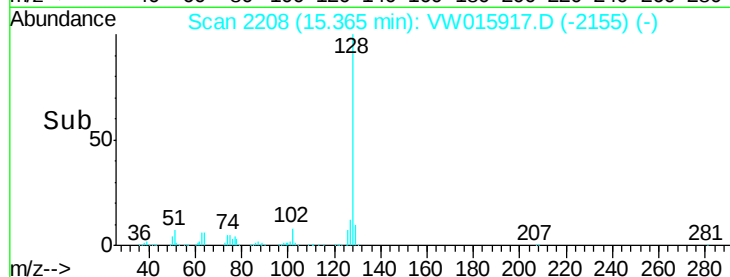
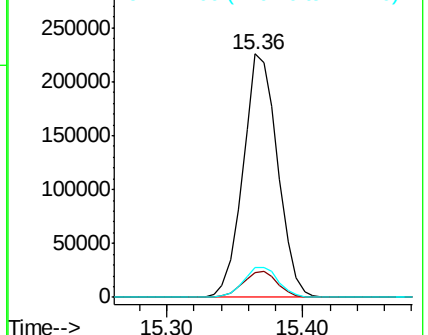


Abundance

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: 28.339 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015917.D

Acq: 23 Jul 2020 10:58

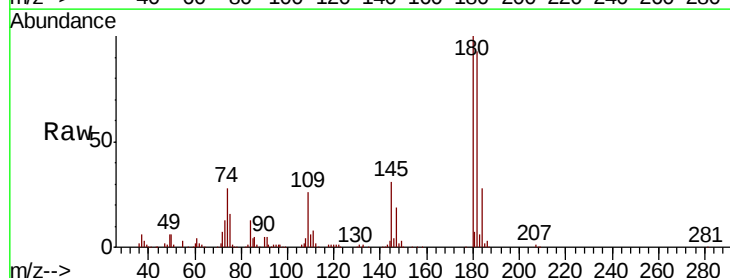
Tgt Ion:180 Resp: 178546

Ion Ratio Lower Upper

180 100

182 94.2 74.0 111.0

145 32.2 25.9 38.9



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

