

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017094.D
 Acq On : 06 Nov 2020 10:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:29:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 06 12:41:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	483634	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	449186	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	224167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	146195	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	2.89	69	115255	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.20%
10) 1,1-Dichloroethene-d2	4.03	63	256116	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.04%
20) 2-Butanone-d5	7.08	46	58996	43.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.62%
24) Chloroform-d	7.65	84	280201	24.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	8.31	65	133514	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	8.27	84	542838	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
33) 1,2-Dichloropropane-d6	9.27	67	151056	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.48%
37) Toluene-d8	10.32	98	504266	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.52%
38) trans-1,3-Dichloropropene-	10.58	79	66672	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.48%
39) 2-Hexanone-d5	10.93	63	48264	43.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127126	23.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	195239	24.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	120872	24.910	ug/L 98
3) Chloromethane	2.21	50	100694	22.864	ug/L 97
5) Vinyl chloride	2.37	62	158394	24.523	ug/L 99
6) Bromomethane	2.78	94	106743	23.897	ug/L 98
8) Chloroethane	2.93	64	95161	24.418	ug/L 97
9) Trichlorofluoromethane	3.26	101	124420	23.684	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	155516	24.912	ug/L # 66
12) 1,1-Dichloroethene	4.04	96	144424	24.060	ug/L 93
13) Acetone	4.12	43	38694	42.422	ug/L 100
14) Carbon disulfide	4.39	76	377907	23.134	ug/L 100
15) Methyl Acetate	4.67	43	46984	20.782	ug/L 98
16) Methylene chloride	4.92	84	151255	23.197	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	167603	22.866	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	148941	23.970	ug/L 97
19) 1,1-Dichloroethane	6.21	63	241508	24.533	ug/L 99
21) 2-Butanone	7.17	43	59880	40.885	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	156603	23.837	ug/L 97

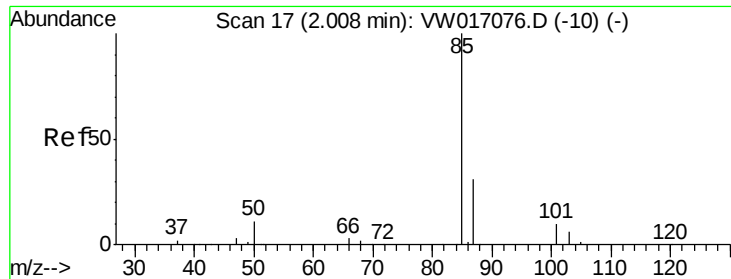
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 QLast Update : Fri Nov 06 12:41:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74054	23.412	ug/L	95
25) Chloroform	7.68	83	264235	24.654	ug/L	99
27) 1,2-Dichloroethane	8.40	62	150812	23.481	ug/L	98
30) Cyclohexane	7.96	56	199574	23.597	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	229198	24.916	ug/L	99
32) Carbon tetrachloride	8.07	117	222340	25.049	ug/L	99
34) Benzene	8.32	78	559785	23.733	ug/L	100
35) Trichloroethene	9.09	95	157643	23.859	ug/L	99
36) Methylcyclohexane	9.34	83	257227	24.194	ug/L	99
40) 1,2-Dichloropropane	9.37	63	130971	23.754	ug/L	99
41) Bromodichloromethane	9.65	83	186058	24.399	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	208487	23.873	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	136571	40.148	ug/L	99
44) Toluene	10.39	91	641032	24.691	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	179785	23.971	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	110727	23.293	ug/L	99
47) Tetrachloroethene	10.86	164	137269	23.027	ug/L	98
49) 2-Hexanone	10.97	43	89916	43.844	ug/L	97
50) Dibromochloromethane	11.13	129	137603	23.759	ug/L	98
51) 1,2-Dibromoethane	11.24	107	105810	22.911	ug/L	96
52) Chlorobenzene	11.66	112	420638	23.955	ug/L	95
53) Ethylbenzene	11.73	91	719004	24.794	ug/L	98
54) m,p-Xylene	11.84	106	278794	24.577	ug/L	95
55) o-xylene	12.16	106	268090	24.899	ug/L	95
56) Styrene	12.18	104	450196	24.904	ug/L	98
57) Isopropylbenzene	12.46	105	730016	24.983	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	122738	22.350	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	87110	22.068	ug/L	99
62) Bromoform	12.35	173	77356	22.480	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	347333	24.908	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	344661	24.601	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	319364	25.396	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18436	22.174	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	265679	25.855	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	219357	26.750	ug/L	97
69) Naphthalene	15.37	128	370735	24.567	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	188720	25.187	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 24.910 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

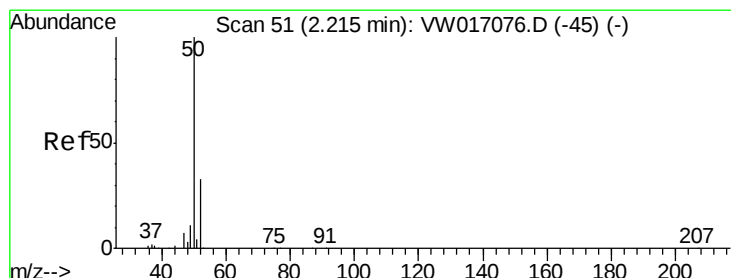
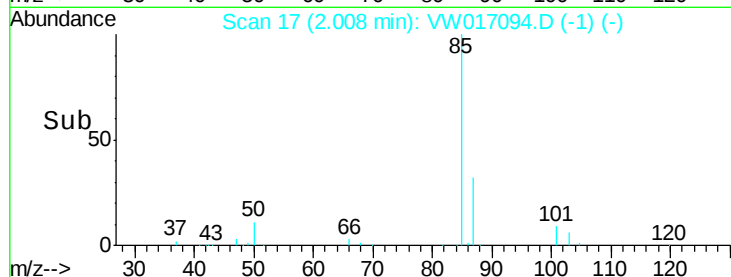
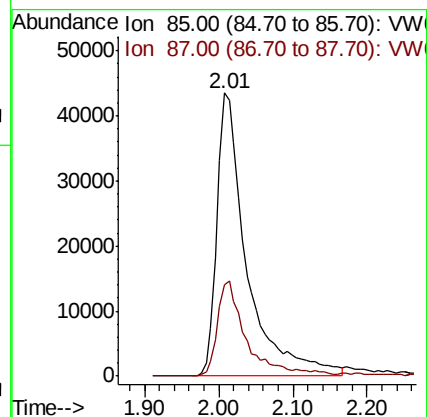
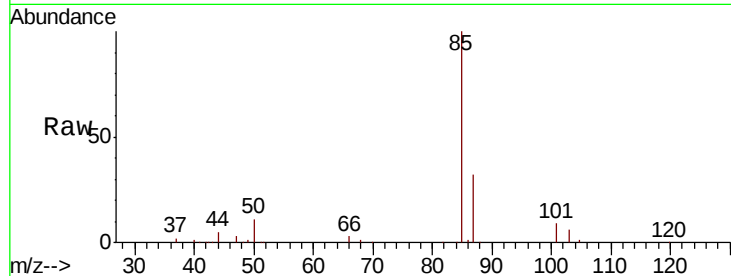
ClientSampleId :

Tot Ion: 85 Resp: 120872

Ion Ratio Lower Upper

85 100

87 31.9 21.5 39.9



#3

Chloromethane

Concen: 22.864 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017094.D

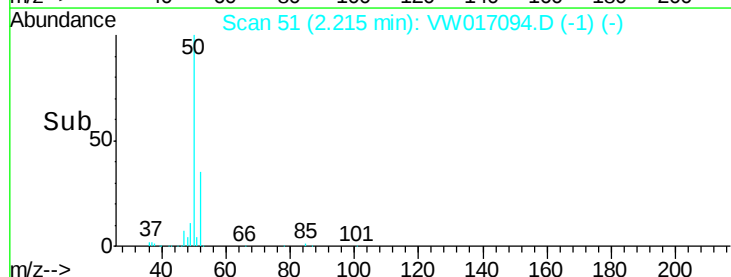
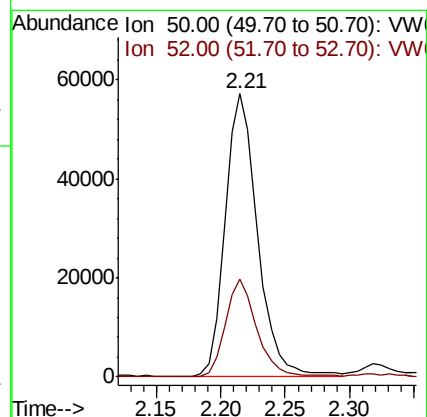
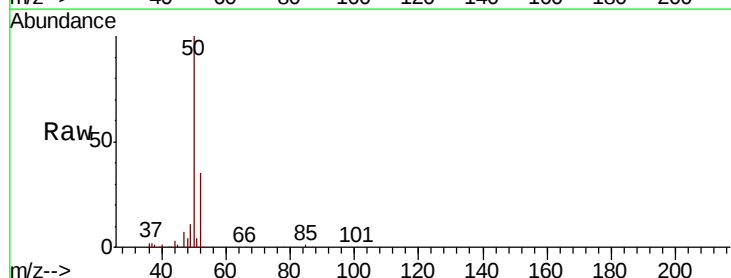
Acq: 06 Nov 2020 10:38

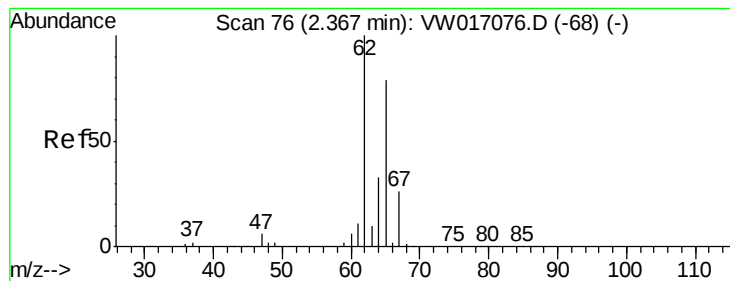
Tgt Ion: 50 Resp: 100694

Ion Ratio Lower Upper

50 100

52 34.6 23.1 42.9





#5

Vinyl chloride

Concen: 24.523 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

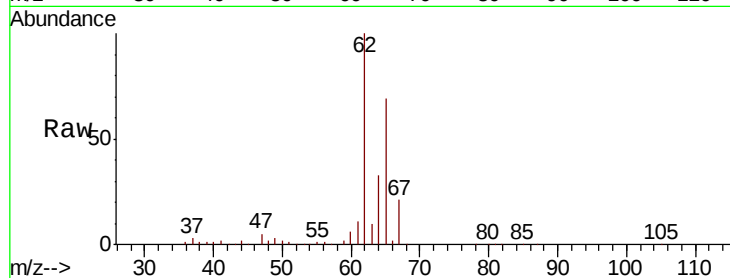
ClientSampleId :

Tot Ion: 62 Resp: 158394

Ion Ratio Lower Upper

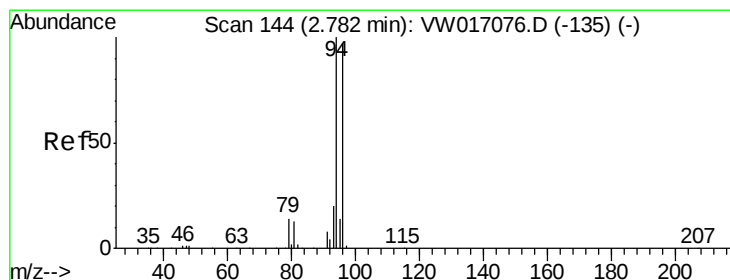
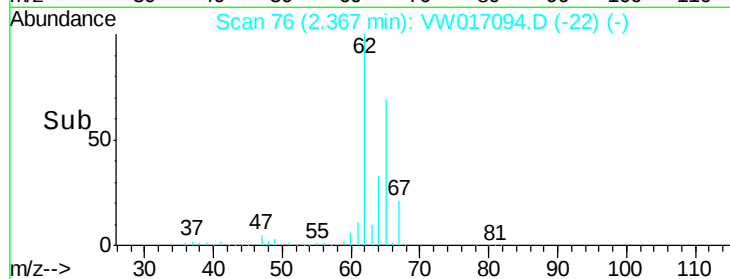
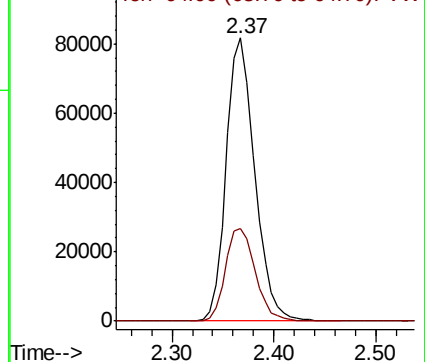
62 100

64 32.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.897 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017094.D

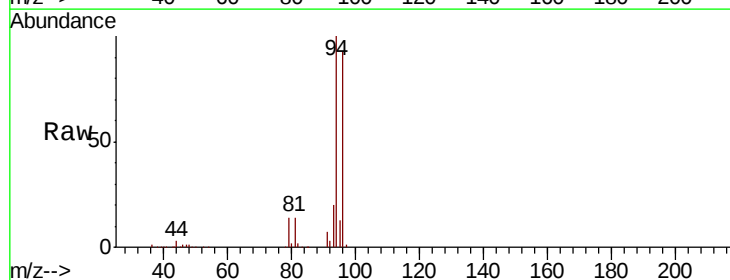
Acq: 06 Nov 2020 10:38

Tgt Ion: 94 Resp: 106743

Ion Ratio Lower Upper

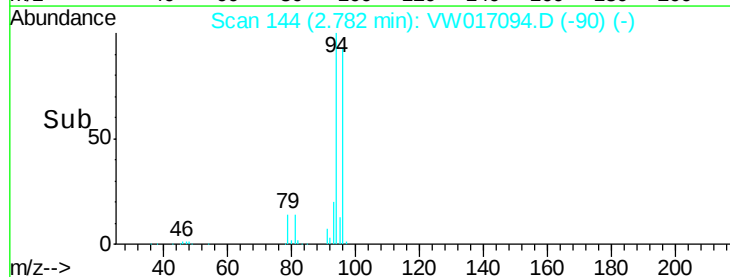
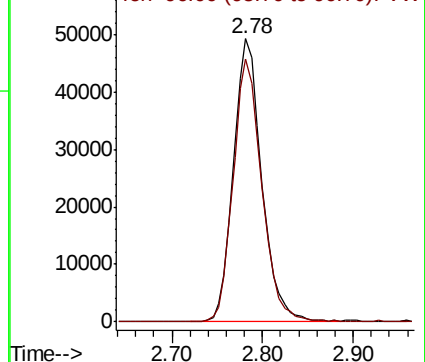
94 100

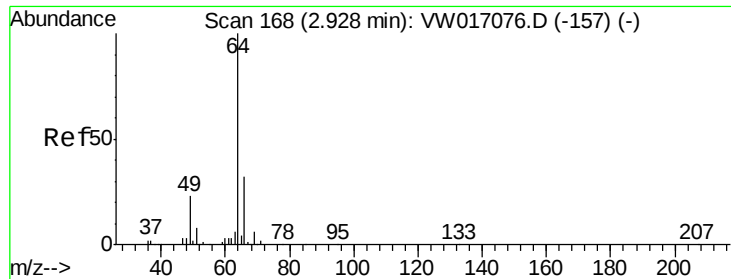
96 93.5 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 24.418 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

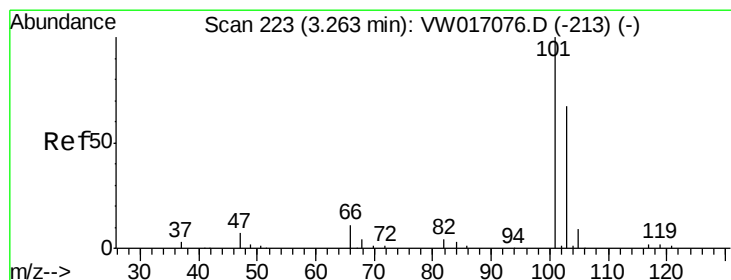
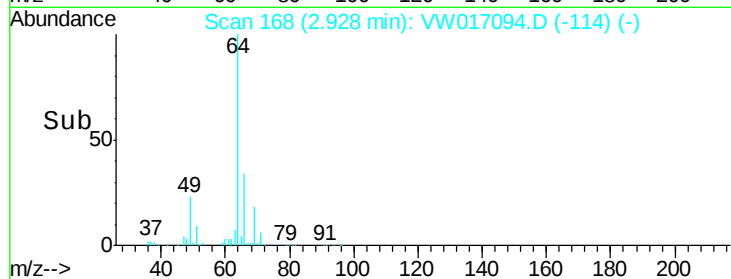
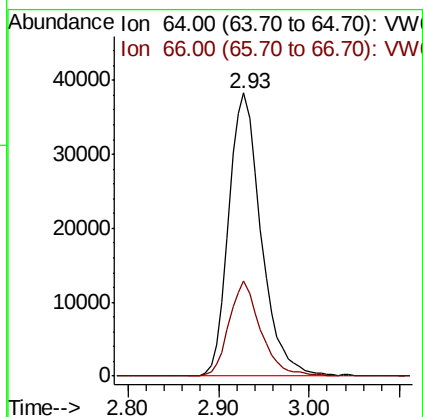
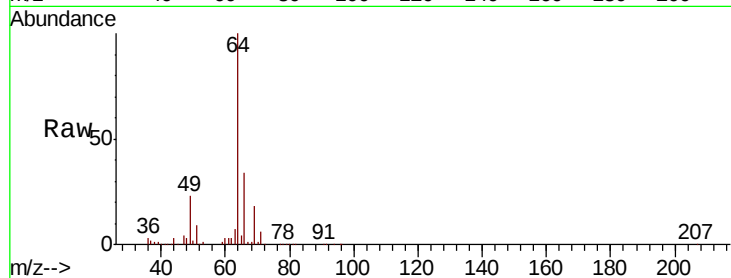
ClientSampleId :

Tot Ion: 64 Resp: 95161

Ion Ratio Lower Upper

64 100

66 33.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 23.684 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017094.D

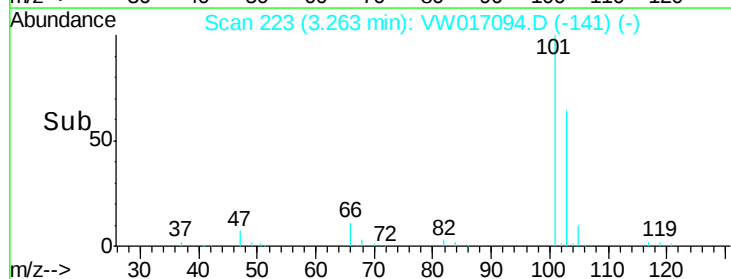
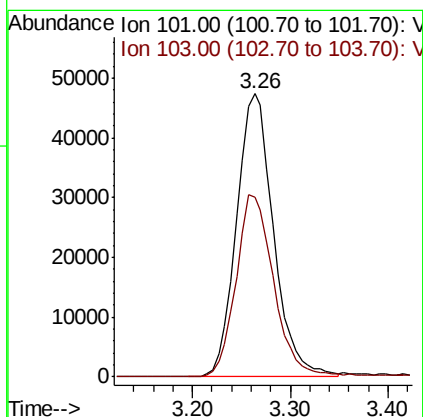
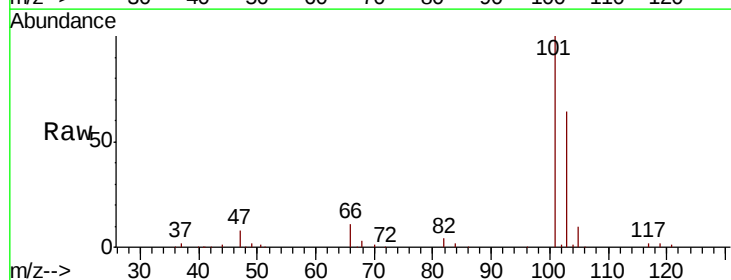
Acq: 06 Nov 2020 10:38

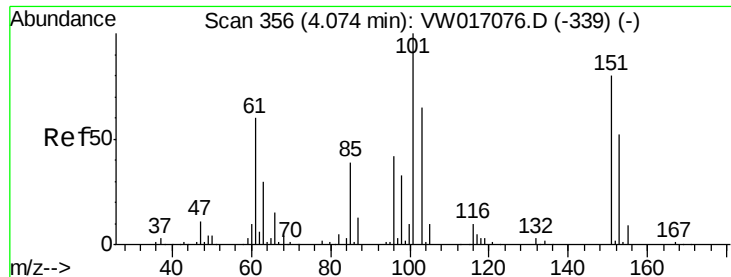
Tgt Ion: 101 Resp: 124420

Ion Ratio Lower Upper

101 100

103 65.4 45.4 84.2





#11

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

Concen: 24.912 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

ClientSampled :

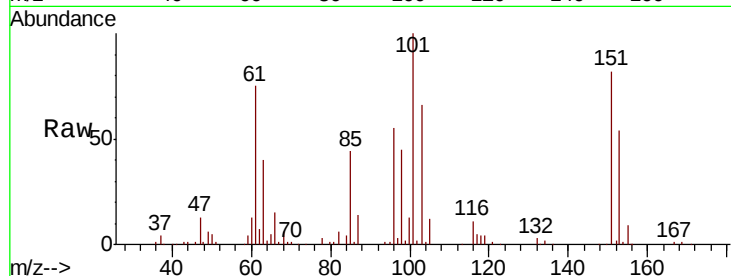
Tot Ion:101 Resp: 155516

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

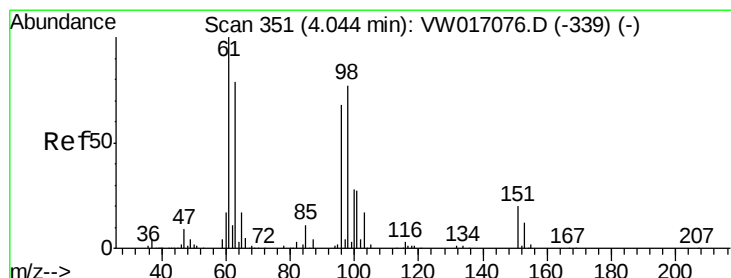
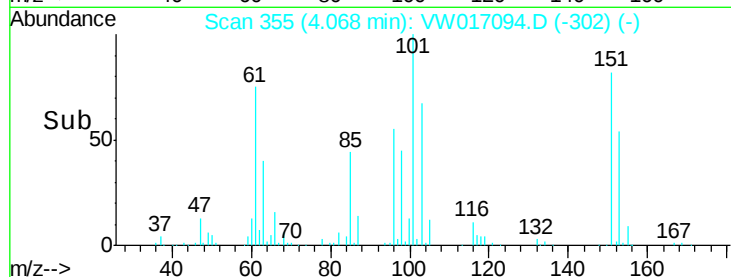
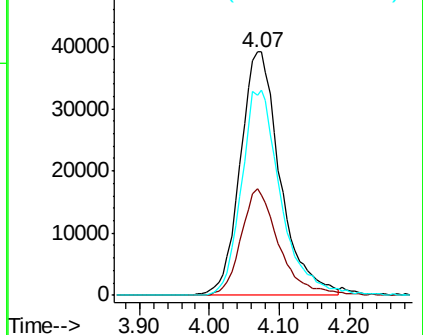
151 36.8 65.4 98.2#



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: 24.060 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

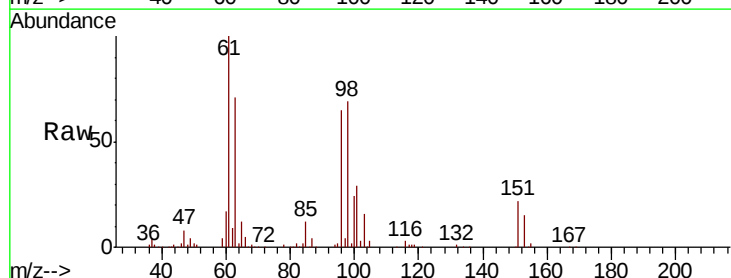
Tgt Ion: 96 Resp: 144424

Ion Ratio Lower Upper

96 100

61 153.1 103.8 192.8

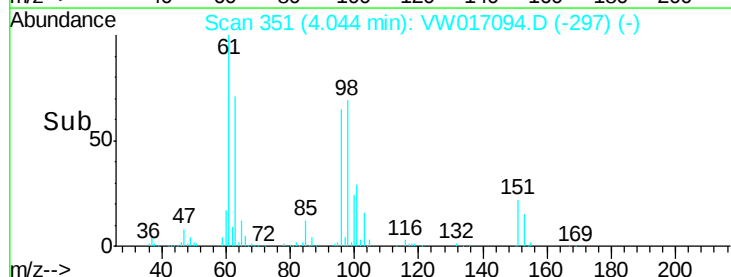
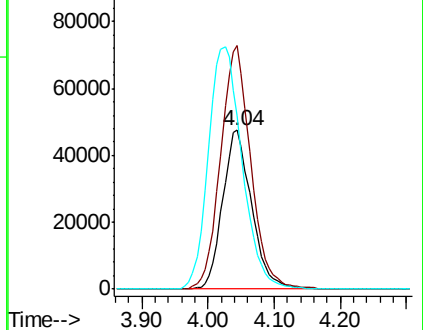
63 108.7 84.4 156.7

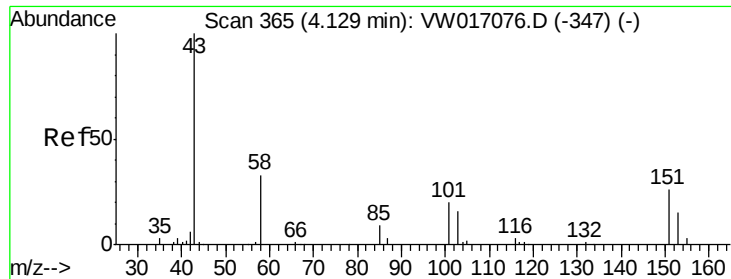


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.422 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

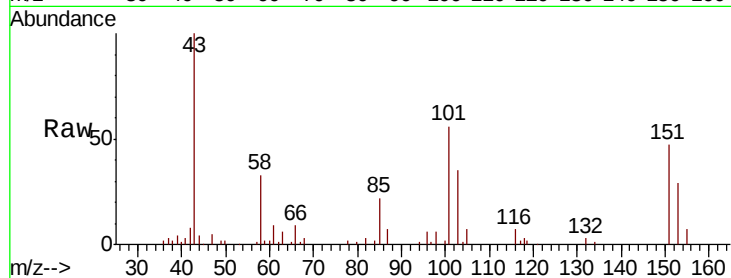
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 38694

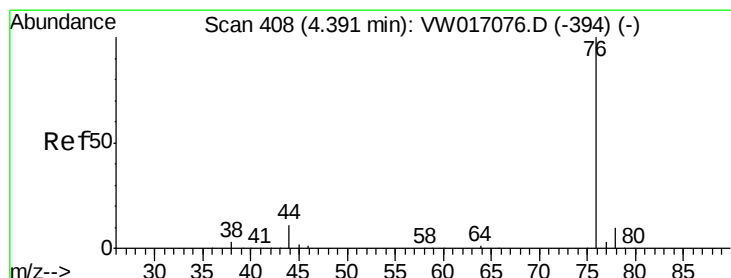
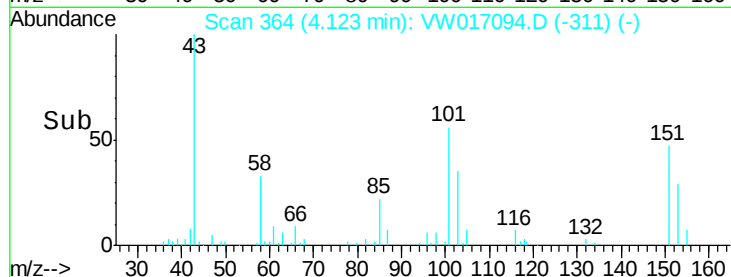
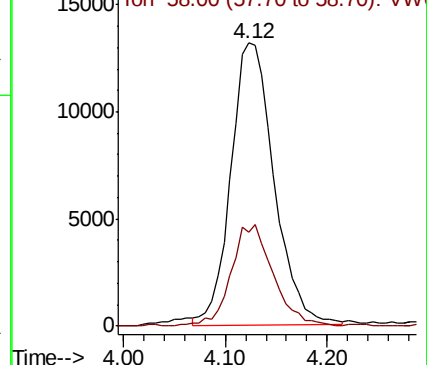
Ion Ratio Lower Upper

43 100

58 34.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.134 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017094.D

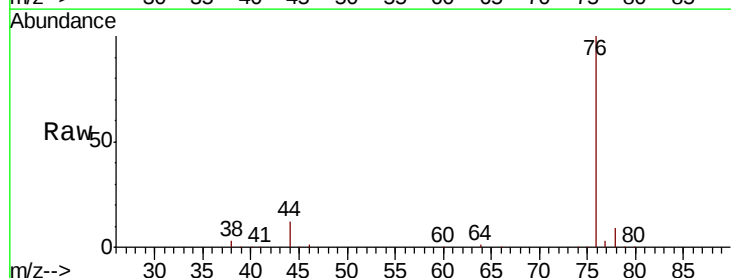
Acq: 06 Nov 2020 10:38

Tgt Ion: 76 Resp: 377907

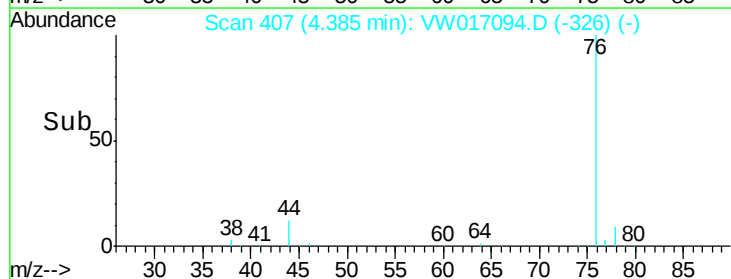
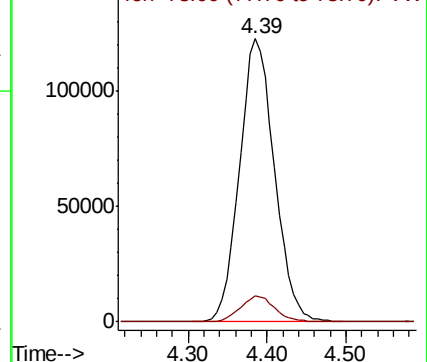
Ion Ratio Lower Upper

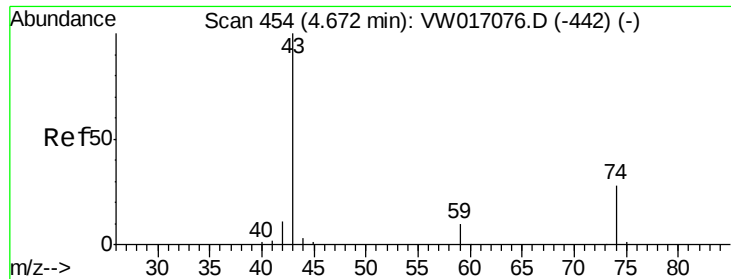
76 100

78 9.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 20.782 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

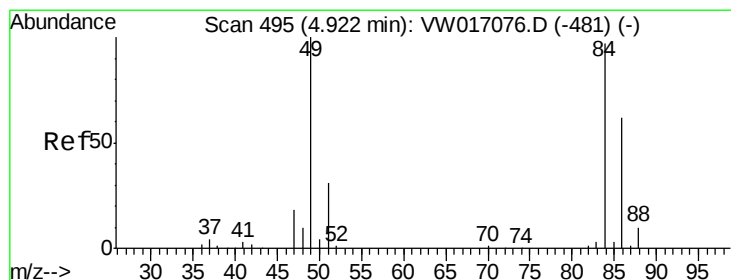
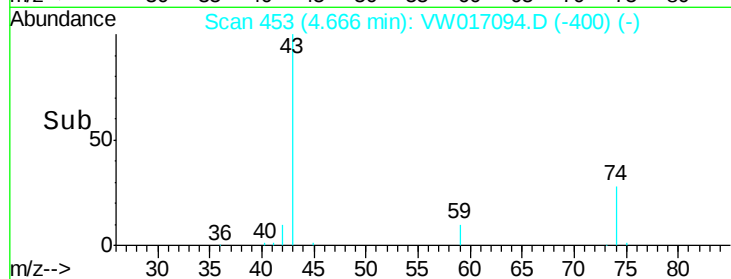
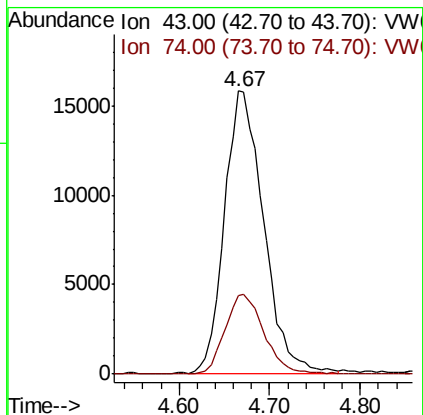
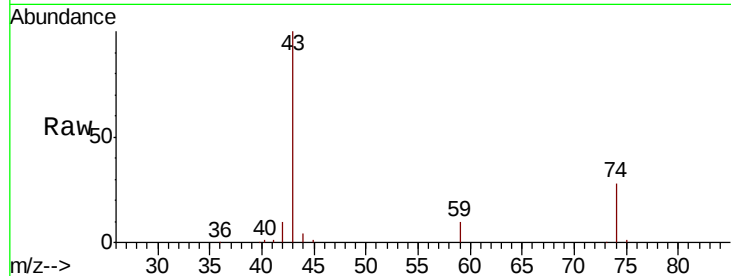
ClientSampleId :

Tot Ion: 43 Resp: 46984

Ion Ratio Lower Upper

43 100

74 28.1 21.5 32.3



#16

Methylene chloride

Concen: 23.197 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

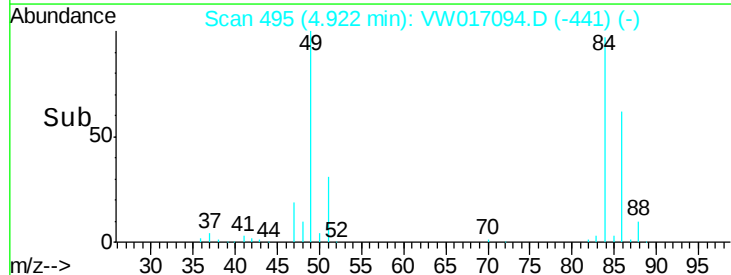
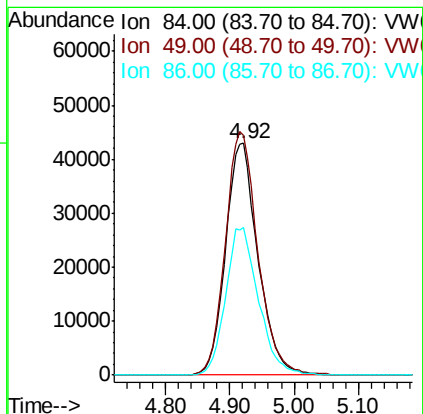
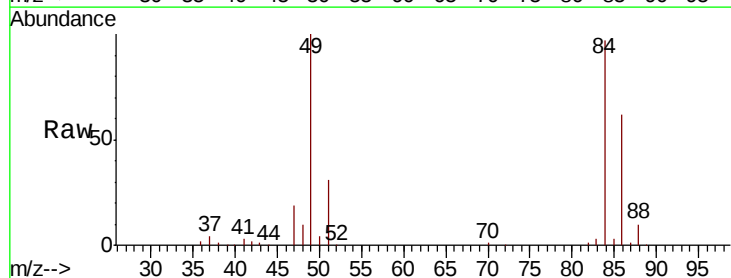
Tgt Ion: 84 Resp: 151255

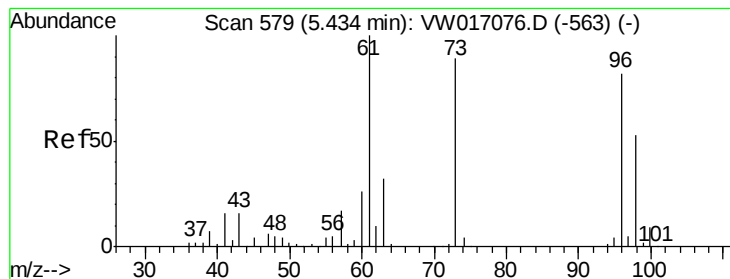
Ion Ratio Lower Upper

84 100

49 103.5 72.3 134.3

86 63.9 45.1 83.7



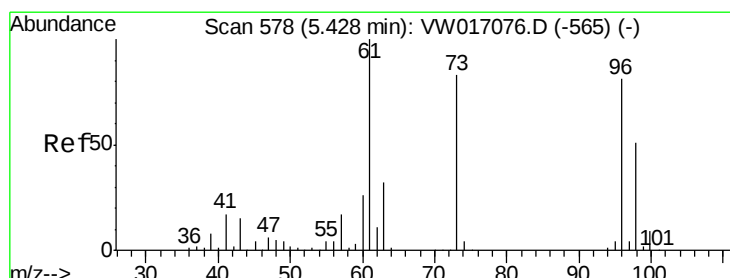
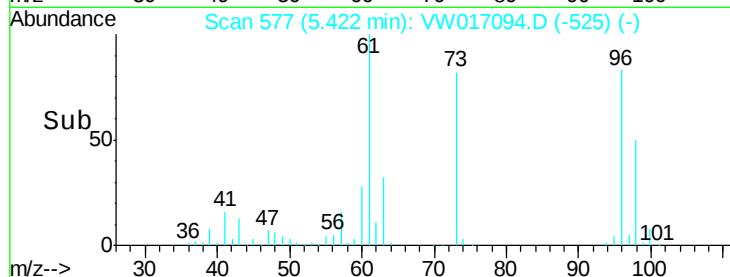
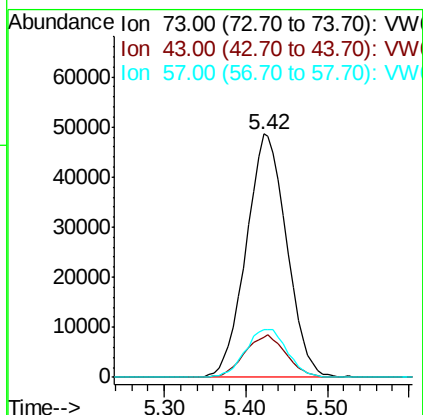
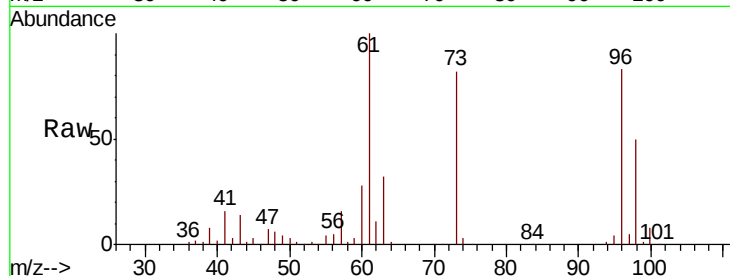


#17

Methvl tert-butvl Ether
 Concen: 22.866 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Instrument :
 MSVOA_W
 ClientSampled :

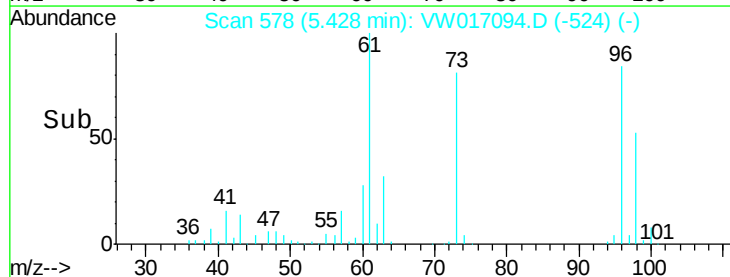
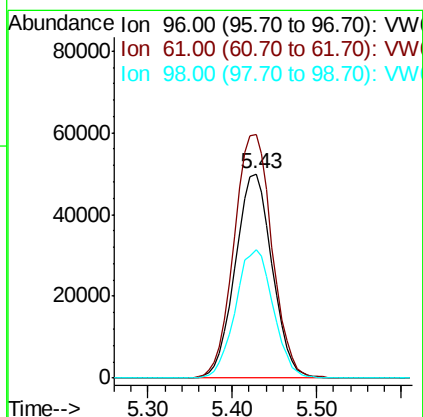
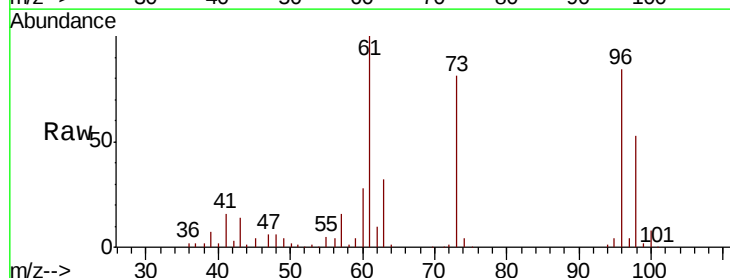
Tot Ion: 73 Resp: 167603
 Ion Ratio Lower Upper
 73 100
 43 17.9 14.5 21.7
 57 20.5 16.3 24.5

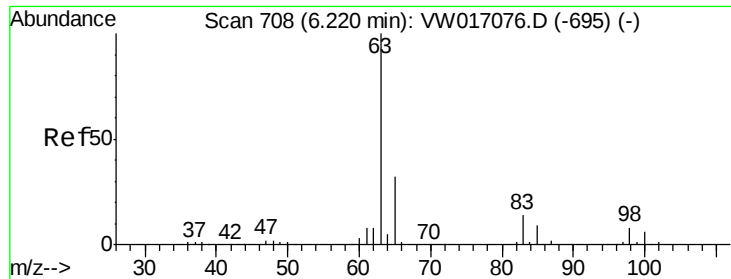


#18

trans-1,2-Dichloroethene
 Concen: 23.970 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion: 96 Resp: 148941
 Ion Ratio Lower Upper
 96 100
 61 119.3 86.8 161.2
 98 63.1 44.4 82.4

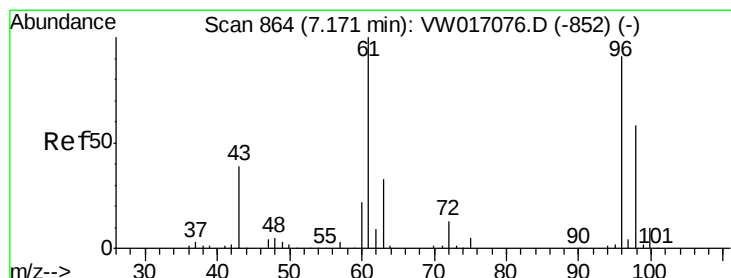
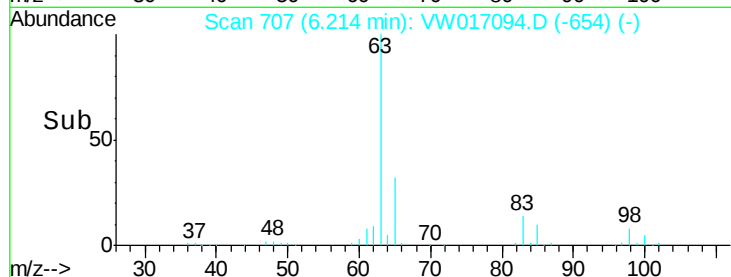
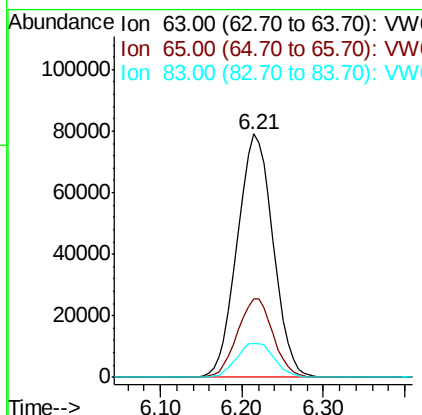
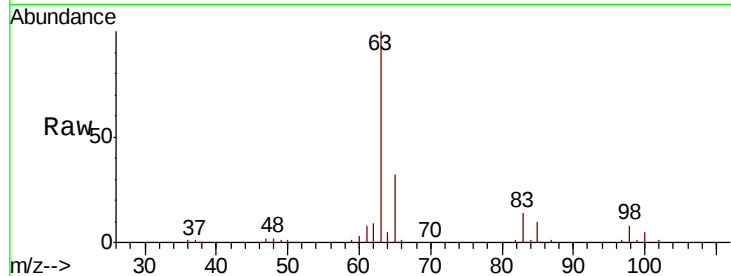




#19
 1,1-Dichloroethane
 Concen: 24.533 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

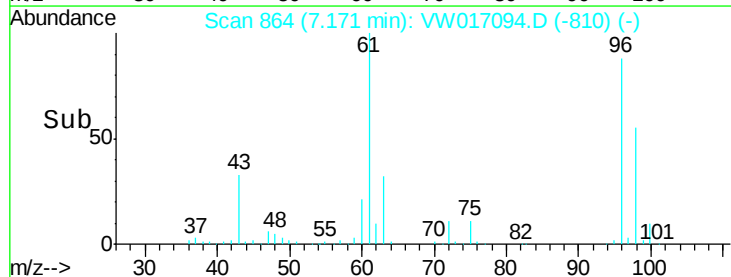
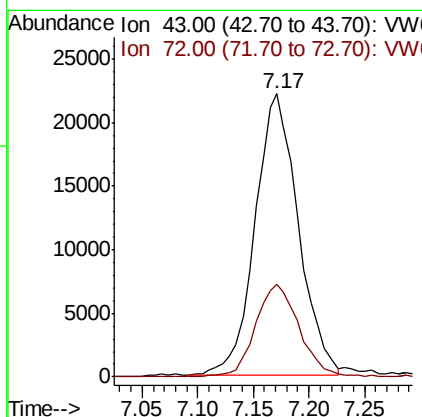
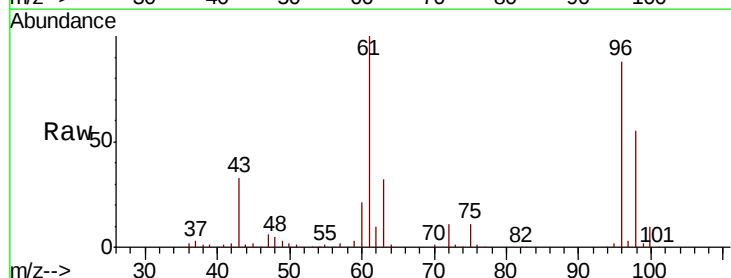
Instrument :
 MSVOA_W
 ClientSampled :

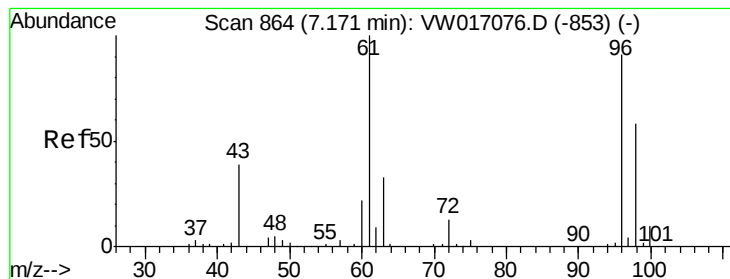
Tot Ion: 63 Resp: 241508
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 13.7 10.0 18.6



#21
 2-Butanone
 Concen: 40.885 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion: 43 Resp: 59880
 Ion Ratio Lower Upper
 43 100
 72 33.1 16.1 48.3



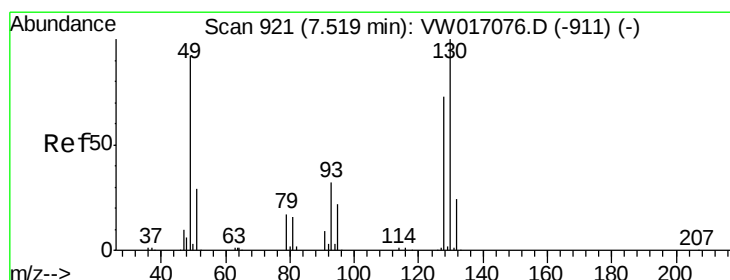
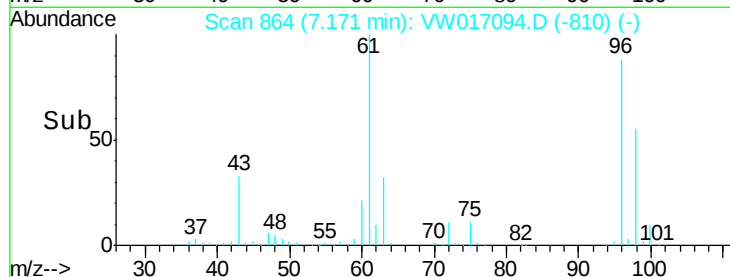
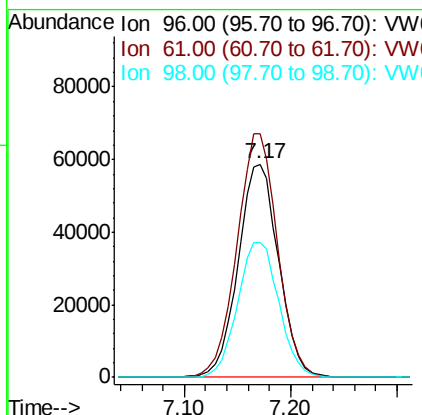
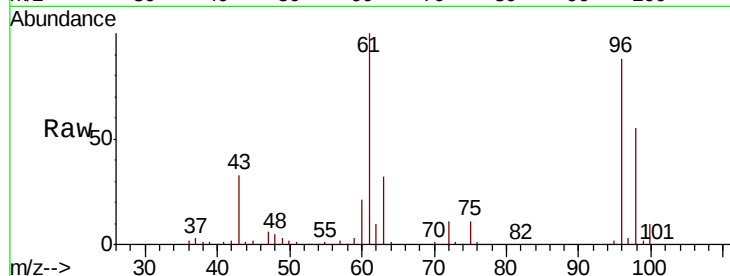


#22

cis-1,2-Dichloroethene
Concen: 23.837 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

Instrument :
MSVOA_W
ClientSampled :

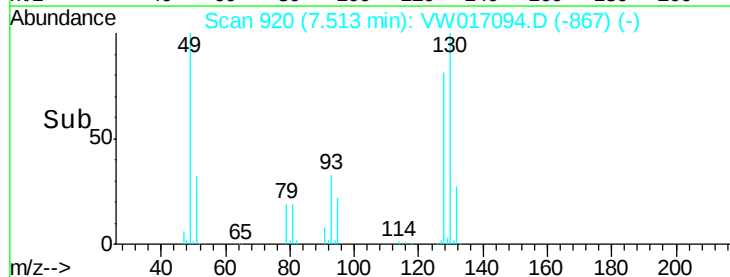
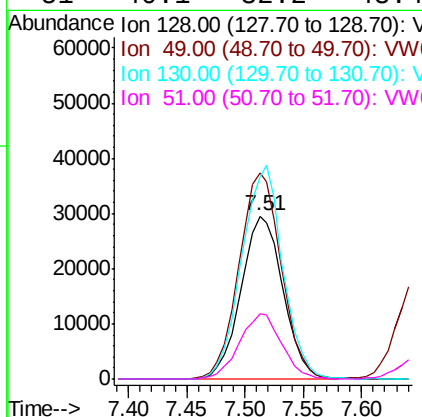
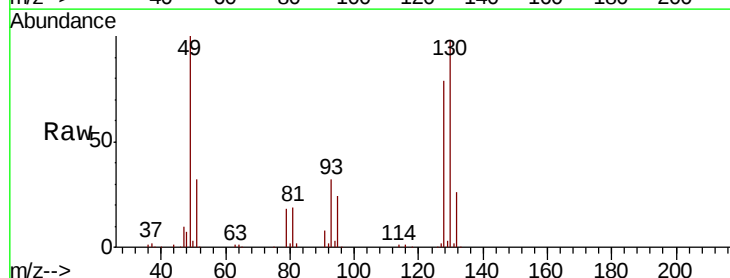
Tot Ion: 96 Resp: 156603
Ion Ratio Lower Upper
96 100
61 114.2 77.4 143.8
98 63.1 45.1 83.7

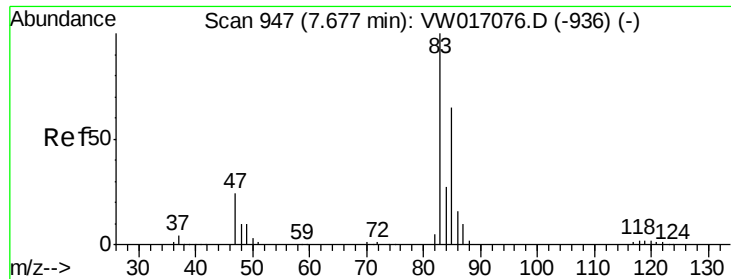


#23

Bromochloromethane
Concen: 23.412 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

Tgt Ion: 128 Resp: 74054
Ion Ratio Lower Upper
128 100
49 126.9 88.3 163.9
130 123.8 95.6 177.6
51 40.1 32.2 48.4

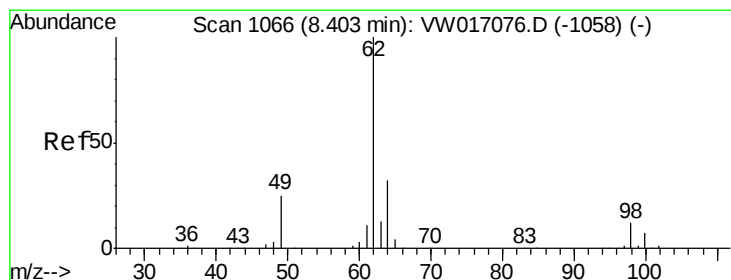
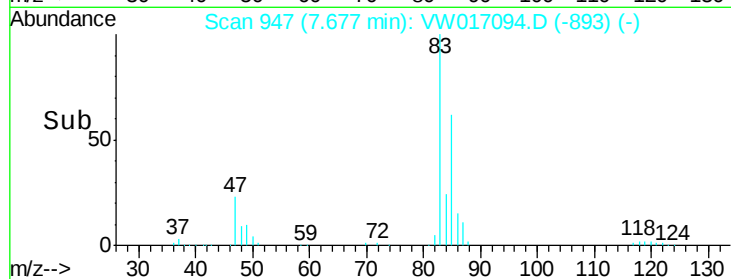
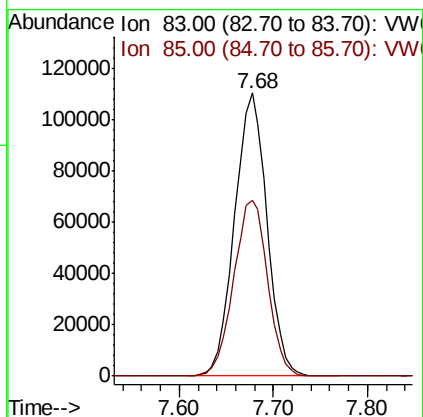
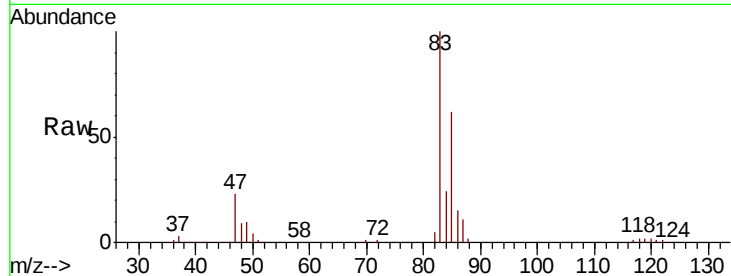




#25
Chloroform
Concen: 24.654 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

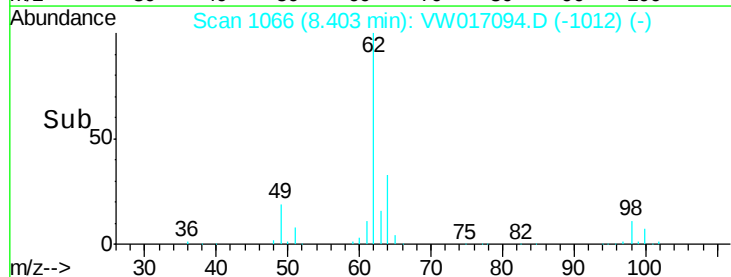
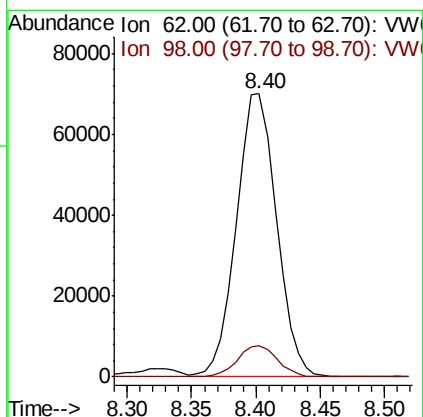
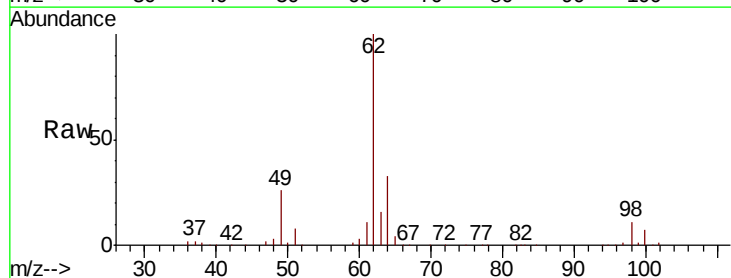
Instrument :
MSVOA_W
ClientSampled :

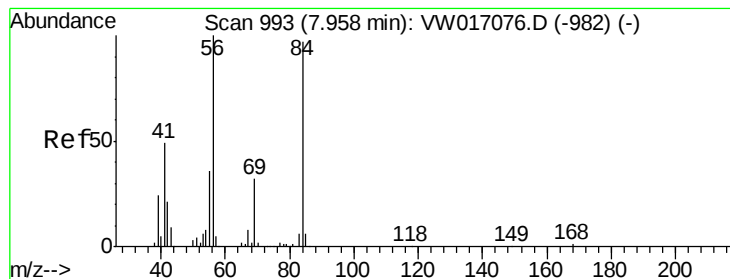
Tot Ion: 83 Resp: 264235
Ion Ratio Lower Upper
83 100
85 65.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 23.481 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

Tgt Ion: 62 Resp: 150812
Ion Ratio Lower Upper
62 100
98 10.9 9.4 14.0





#30

Cyclohexane

Concen: 23.597 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :
MSVOA_W
ClientSampled :

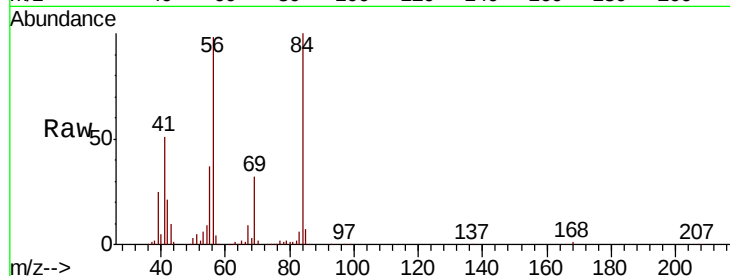
Tot Ion: 56 Resp: 199574

Ion Ratio Lower Upper

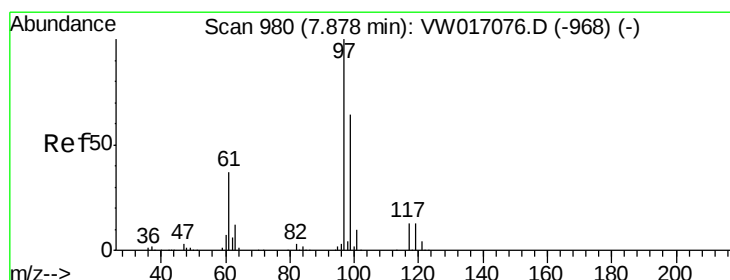
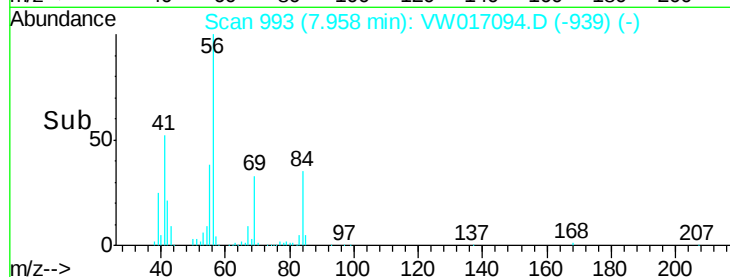
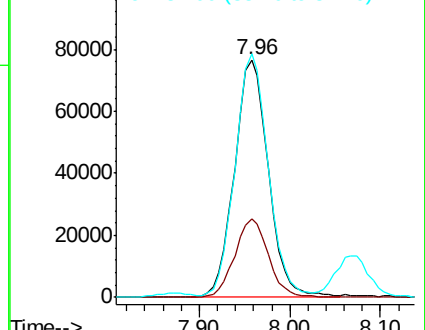
56 100

69 32.6 26.1 39.1

84 100.1 79.1 118.7



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: 24.916 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

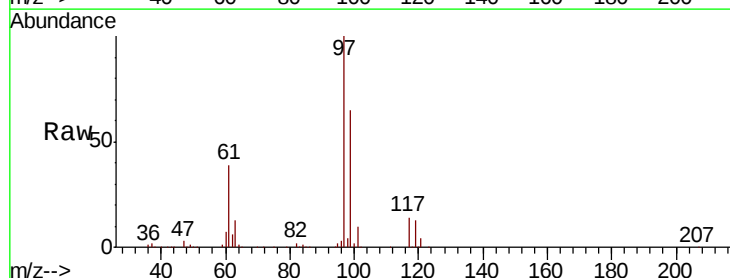
Tgt Ion: 97 Resp: 229198

Ion Ratio Lower Upper

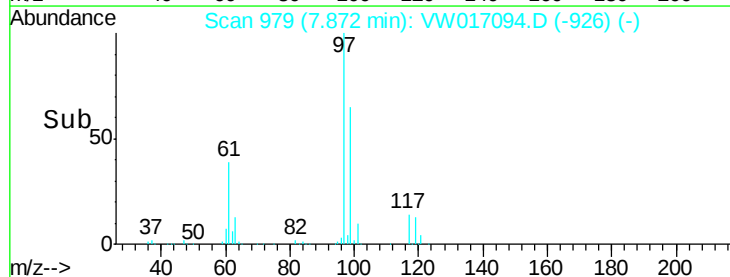
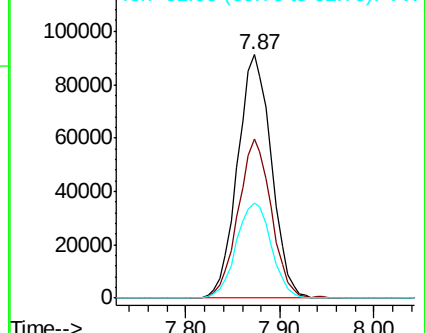
97 100

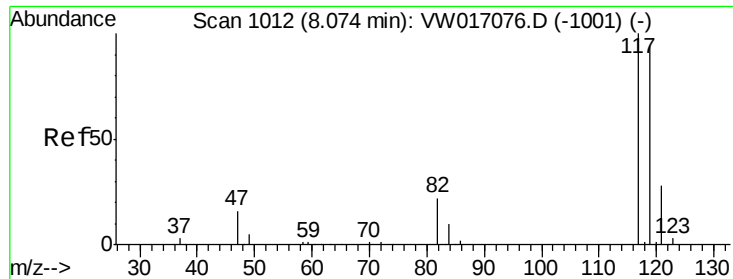
99 63.8 51.4 77.0

61 40.2 31.6 47.4



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: 25.049 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

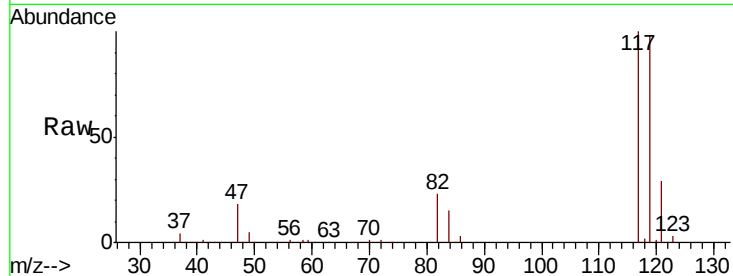
ClientSampled :

Tot Ion:117 Resp: 222340

Ion Ratio Lower Upper

117 100

119 95.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

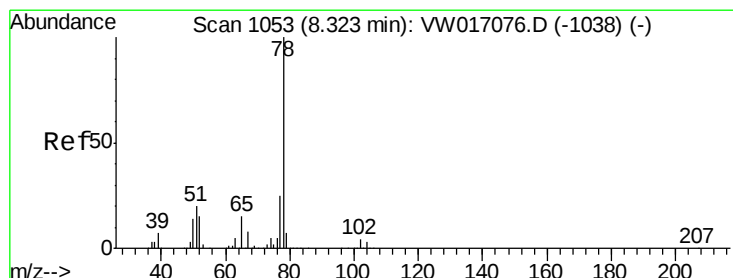
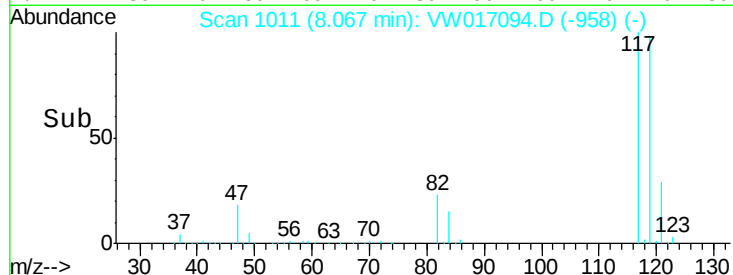
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 23.733 ug/L

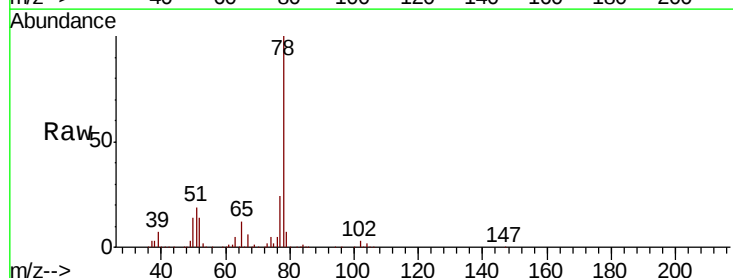
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Tgt Ion: 78 Resp: 559785



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

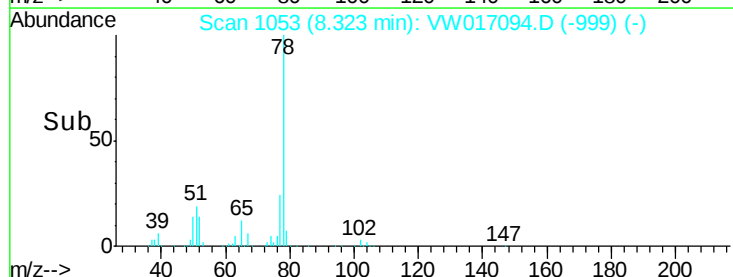
100000

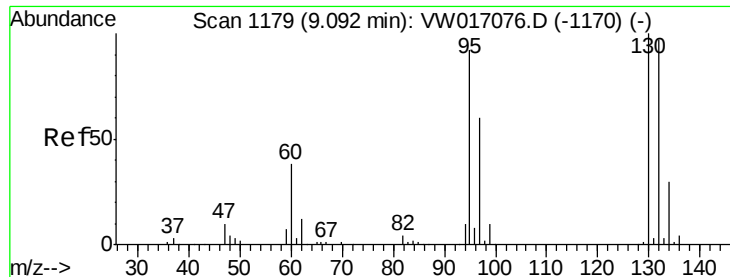
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 23.859 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 157643

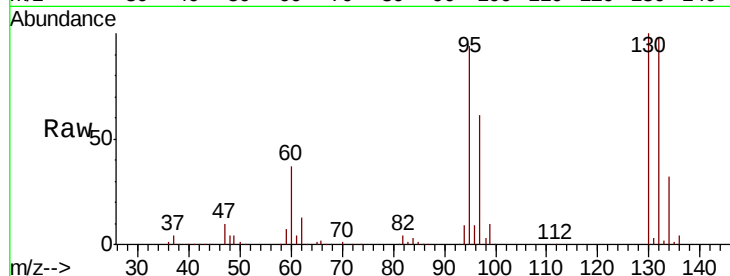
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 105.4 73.7 136.9

130 108.8 77.1 143.1

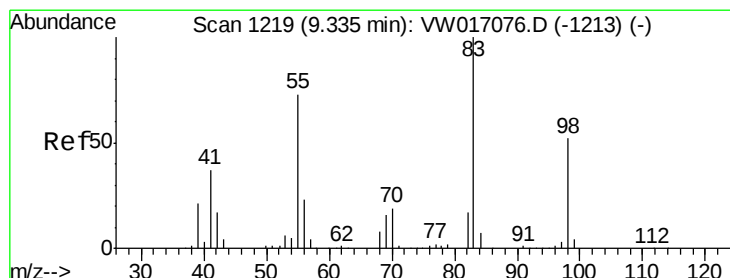
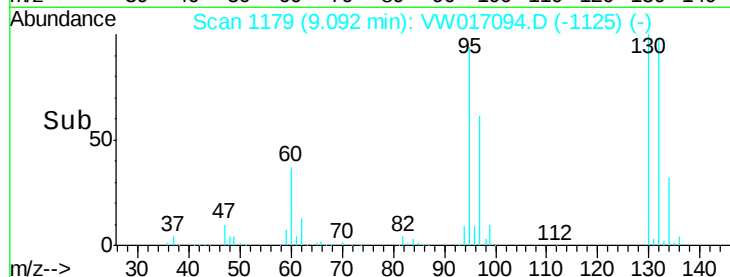
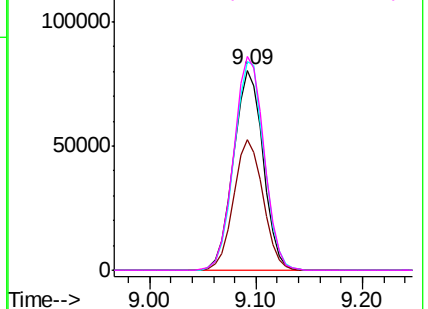


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.194 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

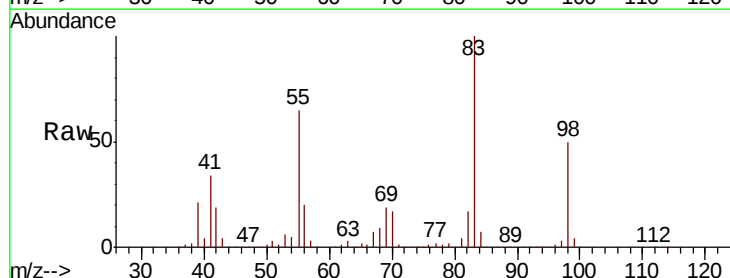
Tgt Ion: 83 Resp: 257227

Ion Ratio Lower Upper

83 100

55 67.5 54.4 81.6

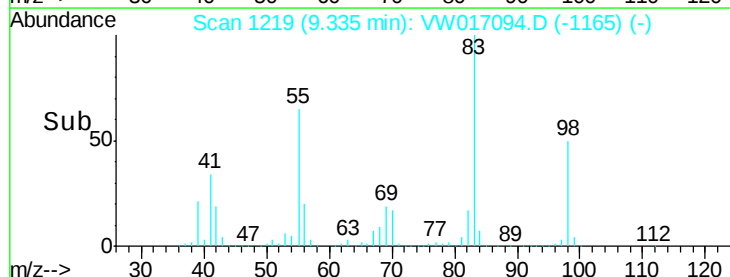
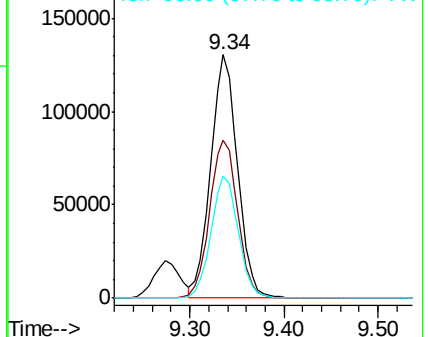
98 51.2 40.5 60.7

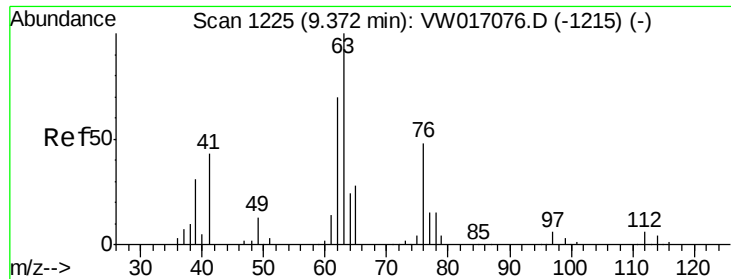


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

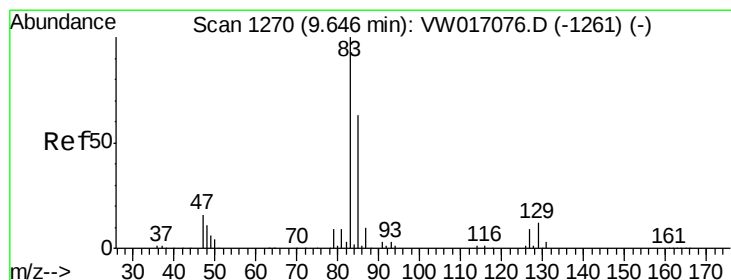
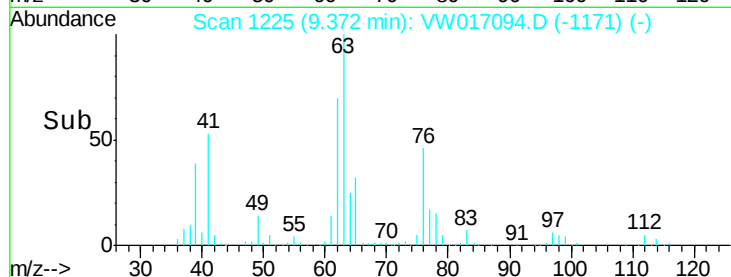
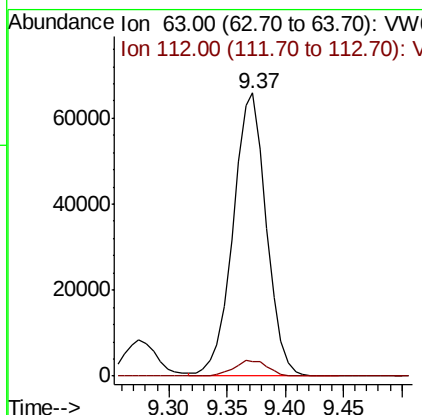
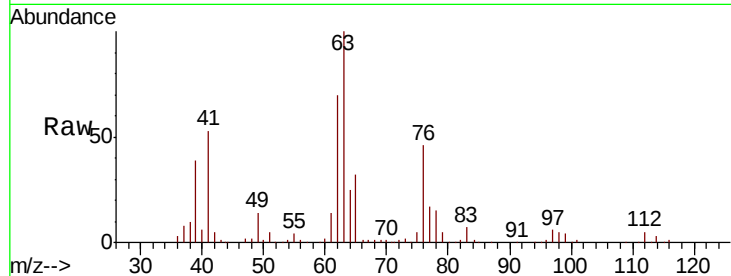




#40
1,2-Dichloropropane
Concen: 23.754 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

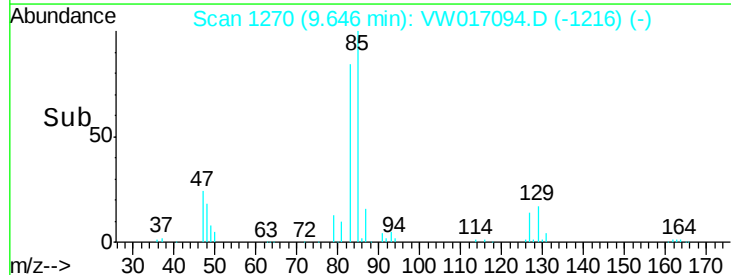
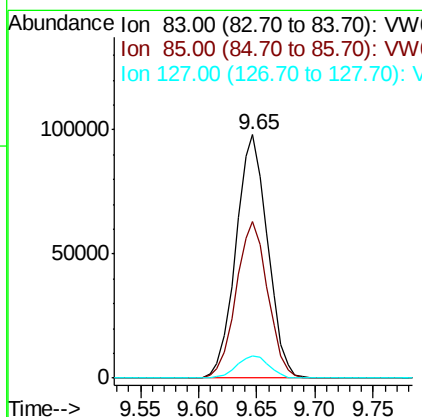
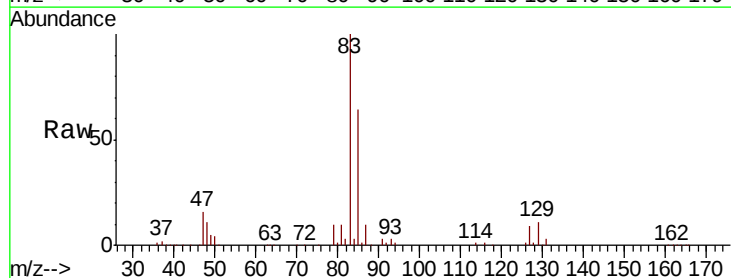
Instrument :
MSVOA_W
ClientSampled :

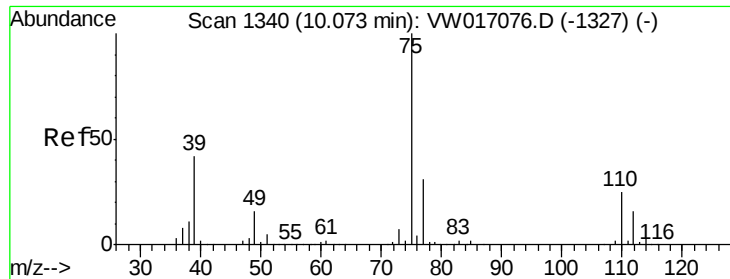
Tot Ion: 63 Resp: 130971
Ion Ratio Lower Upper
63 100
112 5.6 4.2 6.2



#41
Bromodichloromethane
Concen: 24.399 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

Tgt Ion: 83 Resp: 186058
Ion Ratio Lower Upper
83 100
85 64.4 44.4 82.4
127 8.9 7.3 10.9

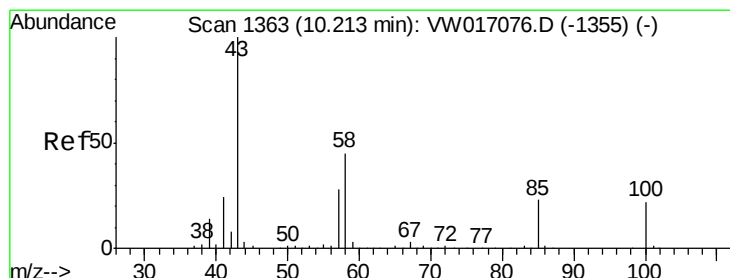
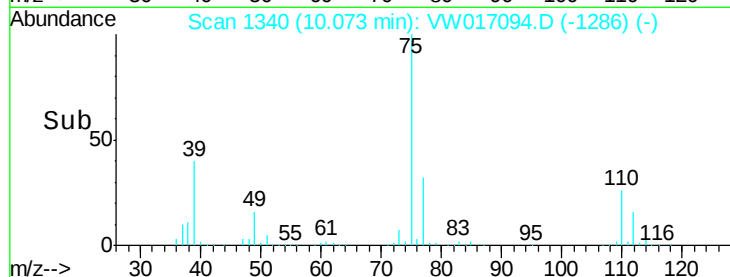
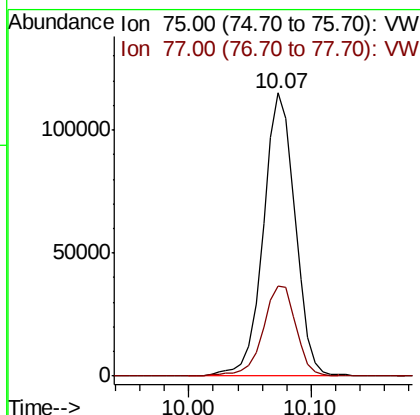
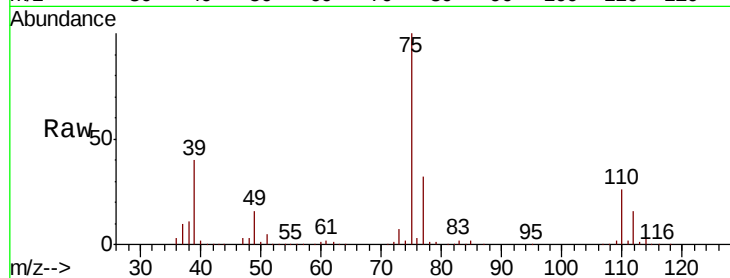




#42
 cis-1,3-Dichloropropene
 Concen: 23.873 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

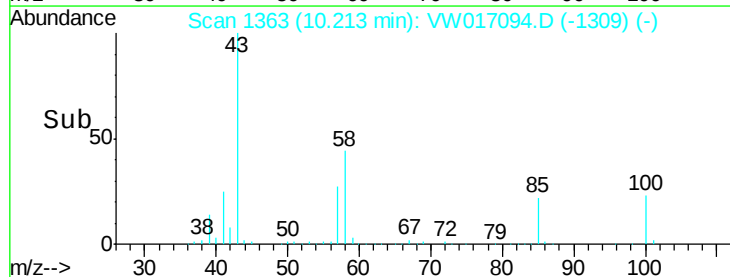
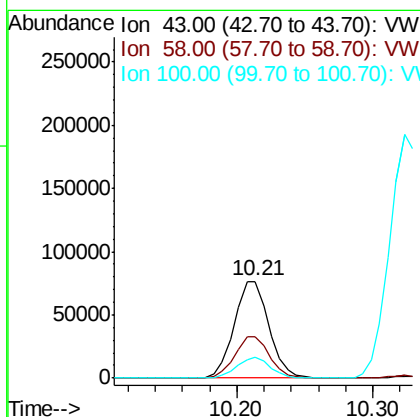
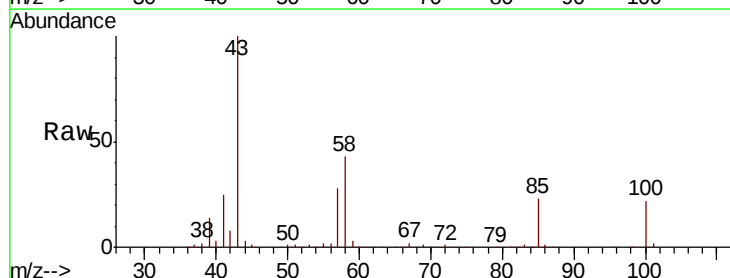
Instrument :
 MSVOA_W
 ClientSampled :

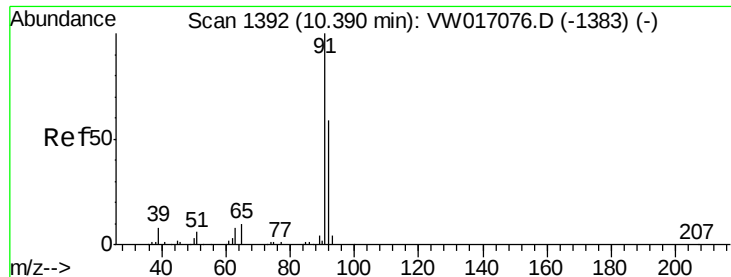
Tot Ion: 75 Resp: 208487
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 40.148 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion: 43 Resp: 136571
 Ion Ratio Lower Upper
 43 100
 58 42.9 35.0 52.6
 100 20.5 16.6 24.8





#44

Toluene

Concen: 24.691 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

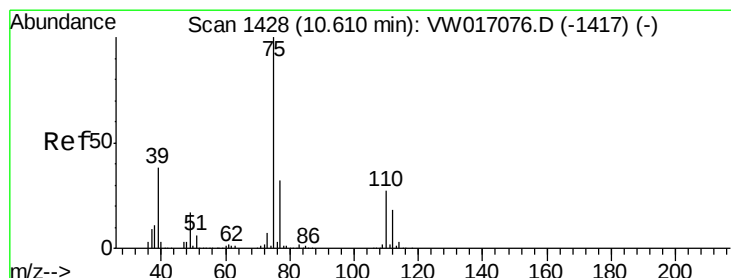
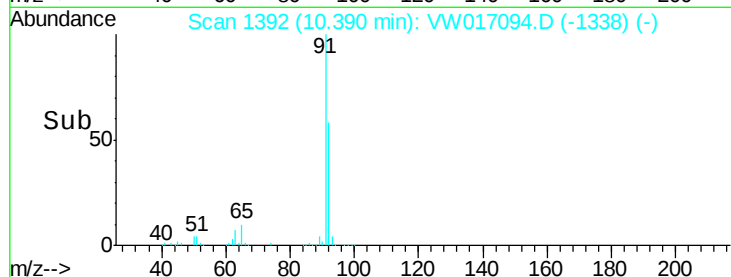
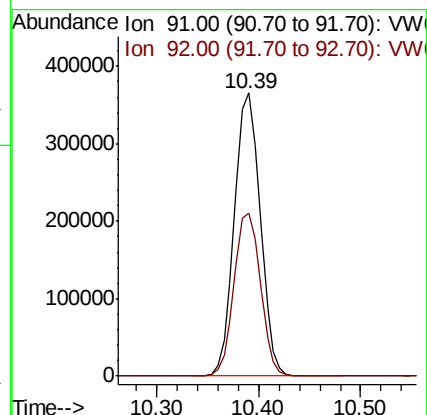
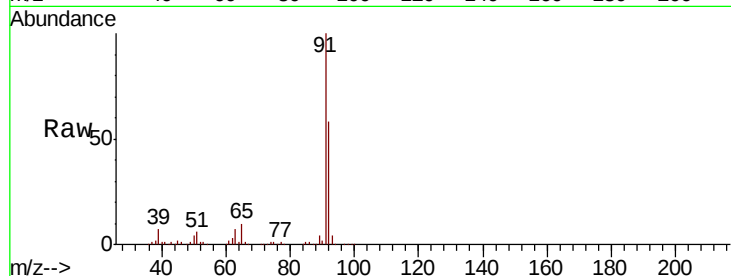
ClientSampled :

Tot Ion: 91 Resp: 641032

Ion Ratio Lower Upper

91 100

92 57.7 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 23.971 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017094.D

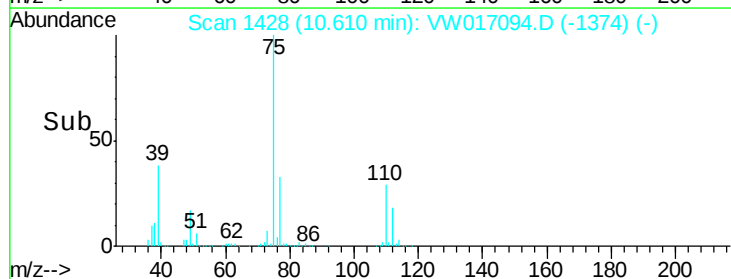
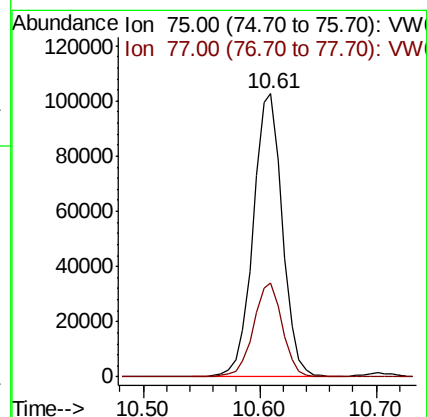
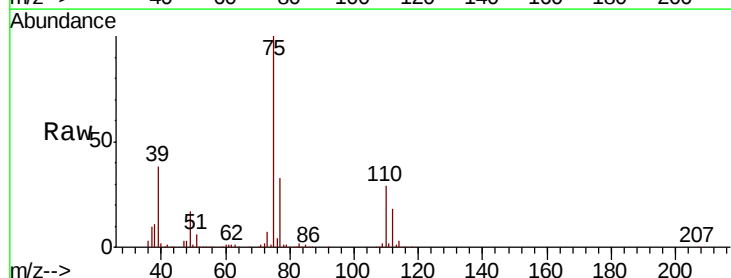
Acq: 06 Nov 2020 10:38

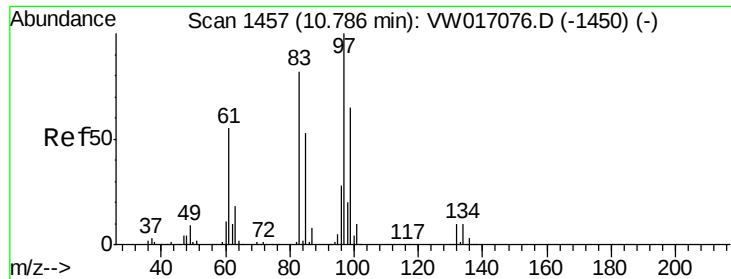
Tgt Ion: 75 Resp: 179785

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1

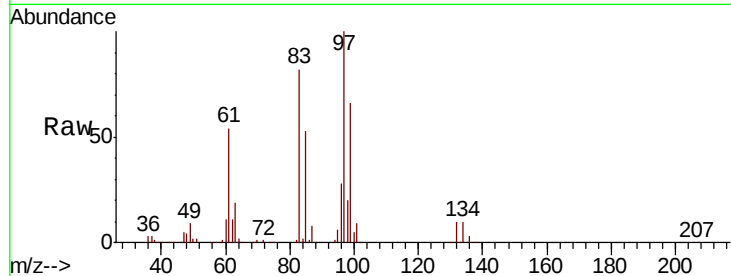




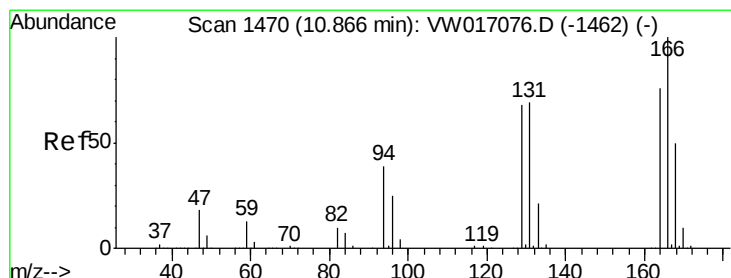
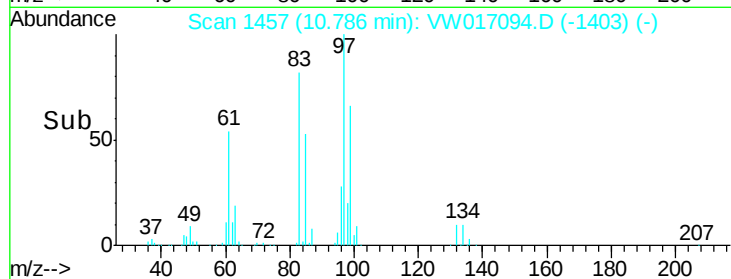
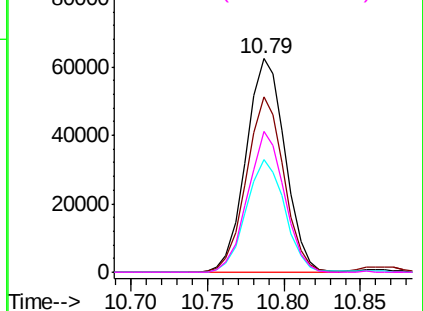
#46
 1,1,2-Trichloroethane
 Concen: 23.293 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	110727
Ion	Ratio	Lower	Upper
97	100		
83	82.2	57.3	106.5
85	52.6	37.2	69.0
99	66.2	45.7	84.9

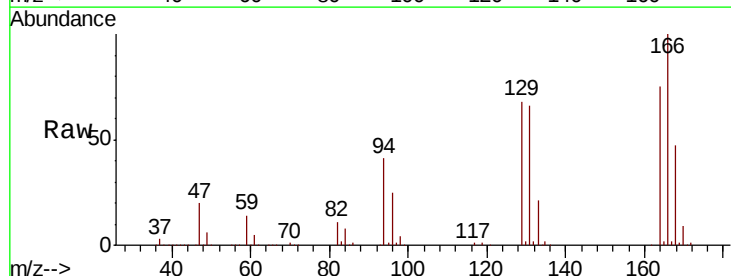


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

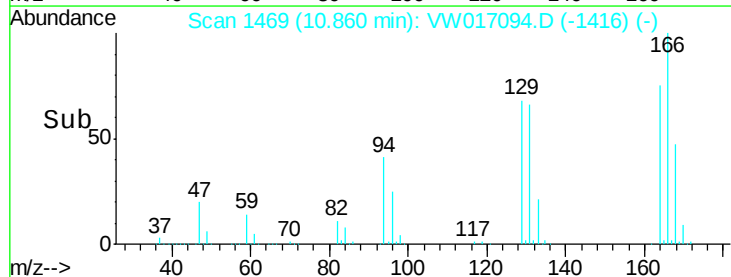
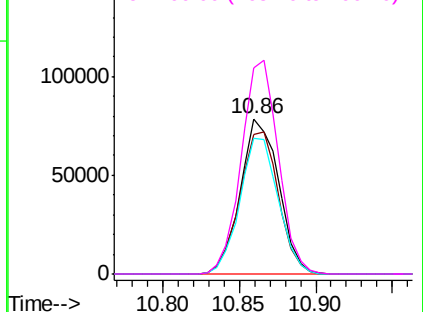


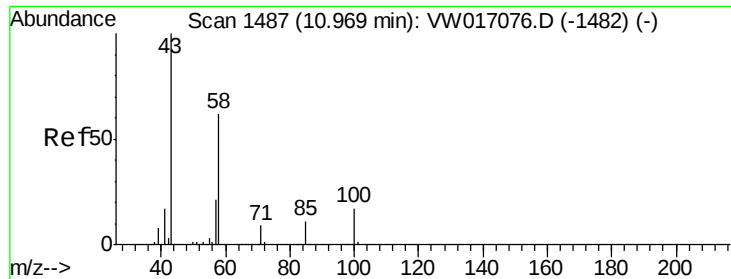
#47
 Tetrachloroethene
 Concen: 23.027 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion:	164	Resp:	137269
Ion	Ratio	Lower	Upper
164	100		
129	90.4	62.9	116.7
131	87.3	63.3	117.5
166	132.7	92.0	170.8



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

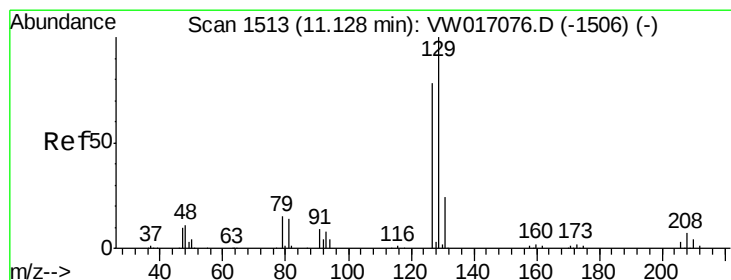
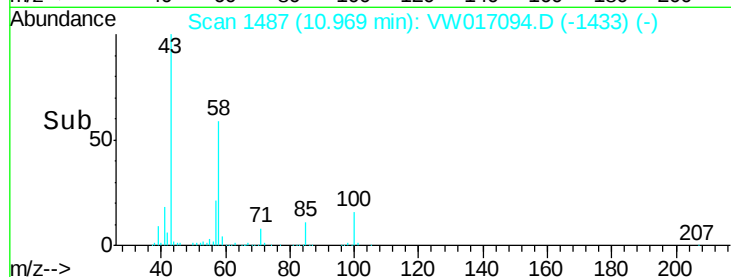
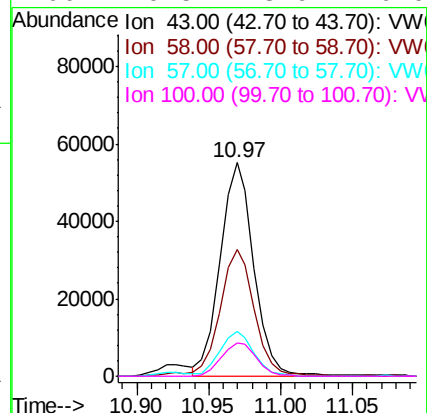
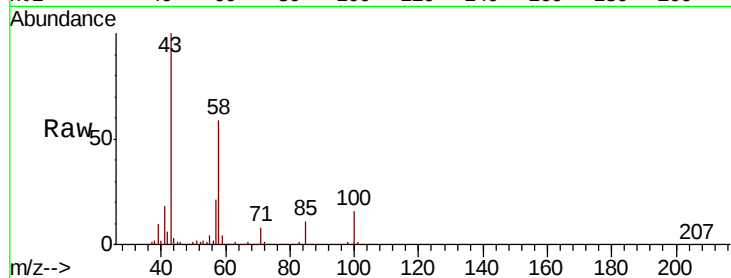




#49
2-Hexanone
Concen: 43.844 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

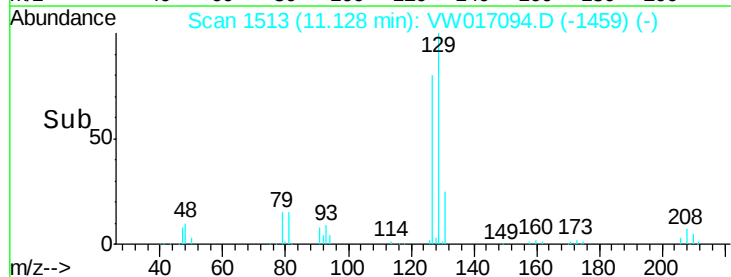
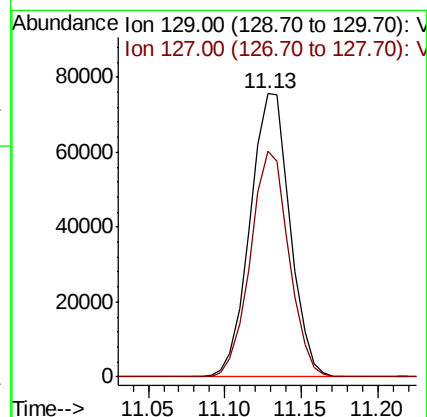
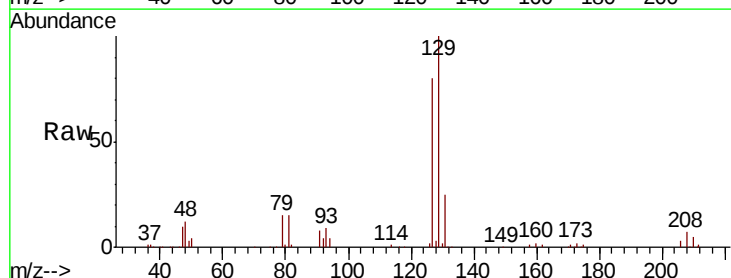
Instrument :
MSVOA_W
ClientSampleId :

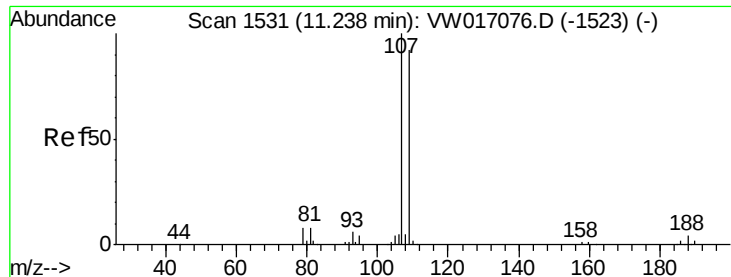
Tot Ion: 43 Resp: 89916
Ion Ratio Lower Upper
43 100
58 60.4 50.6 75.8
57 21.3 17.8 26.6
100 16.5 13.9 20.9



#50
Dibromochloromethane
Concen: 23.759 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017094.D
Acq: 06 Nov 2020 10:38

Tgt Ion: 129 Resp: 137603
Ion Ratio Lower Upper
129 100
127 79.6 54.3 100.9

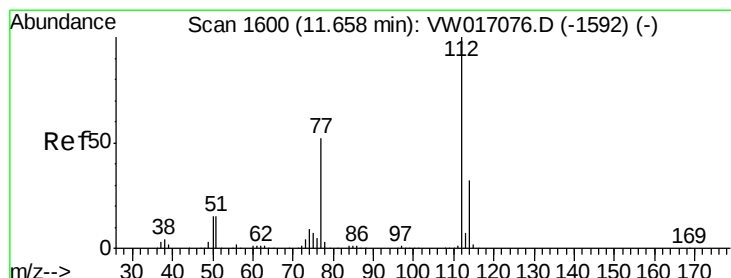
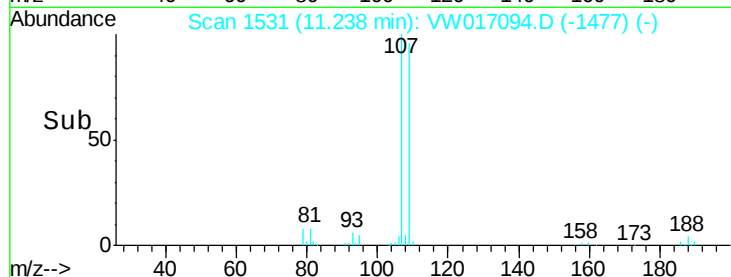
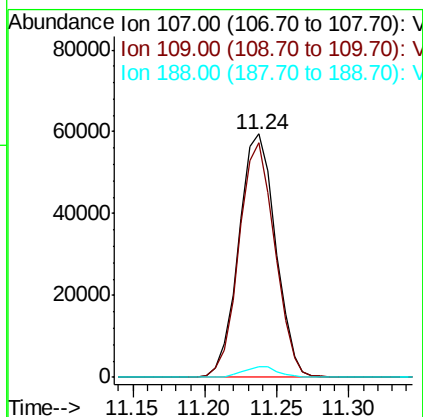
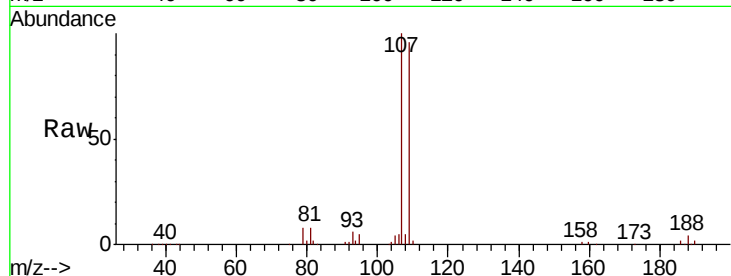




#51
 1,2-Dibromoethane
 Concen: 22.911 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

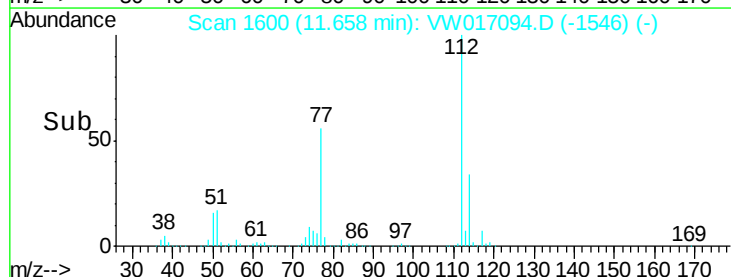
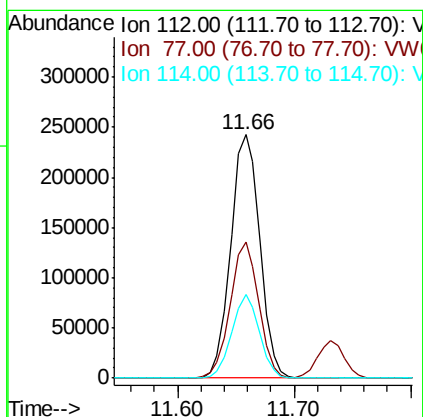
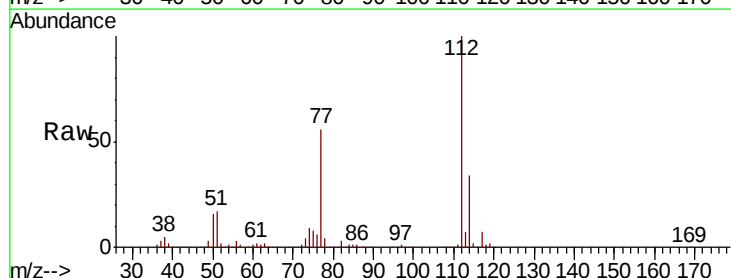
Instrument :
 MSVOA_W
 ClientSampleId :

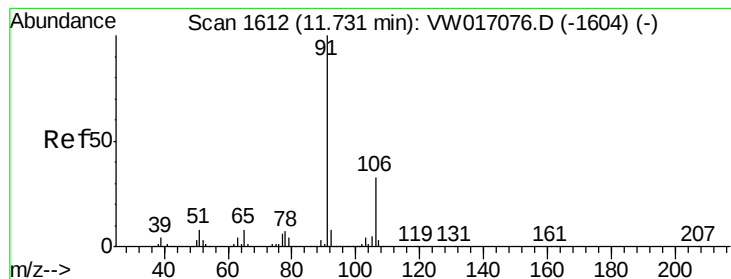
Tot Ion	107	Resp	105810
Ion Ratio	Lower	Upper	
107	100		
109	96.2	64.3	119.5
188	4.4	3.3	4.9



#52
 Chlorobenzene
 Concen: 23.955 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion	112	Resp	420638
Ion Ratio	Lower	Upper	
112	100		
77	56.1	41.7	62.5
114	34.3	22.3	41.3





#53

Ethylbenzene

Concen: 24.794 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

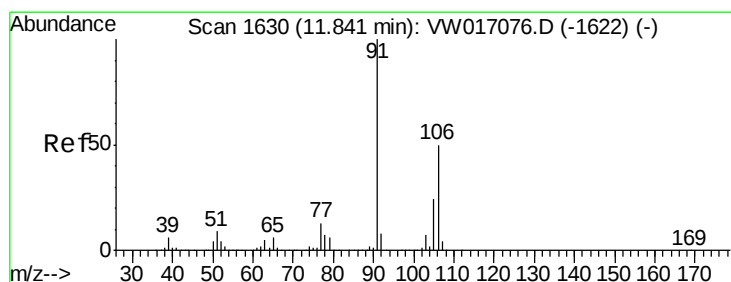
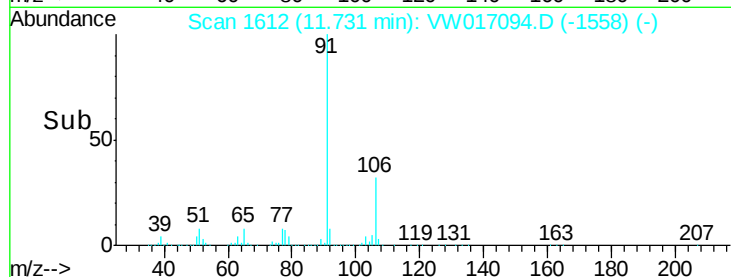
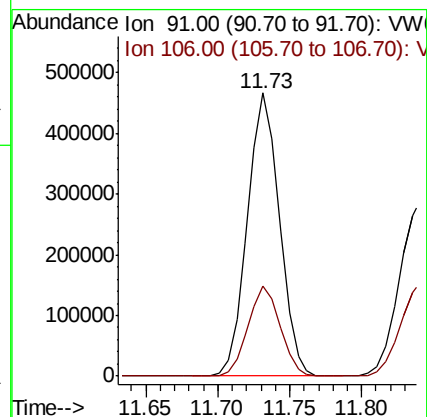
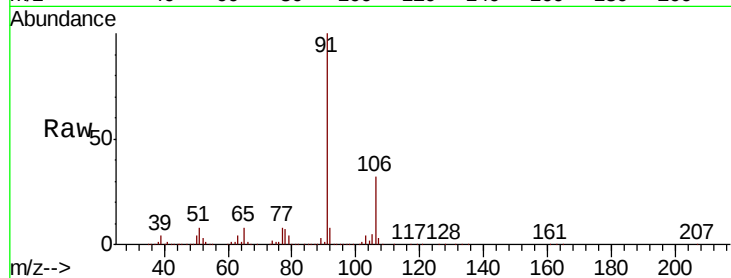
ClientSampleId :

Tot Ion: 91 Resp: 719004

Ion Ratio Lower Upper

91 100

106 31.8 22.9 42.5



#54

m,p-Xylene

Concen: 24.577 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017094.D

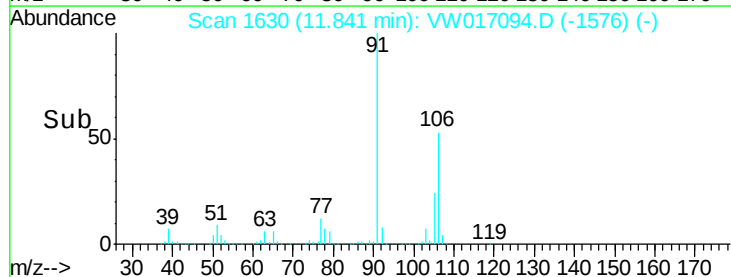
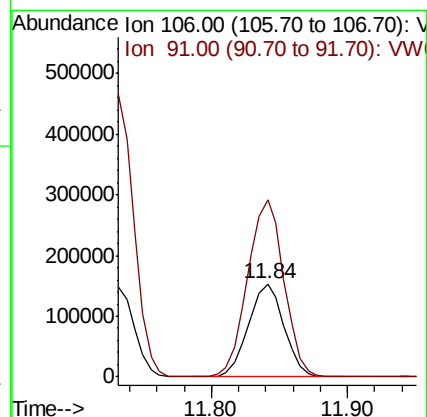
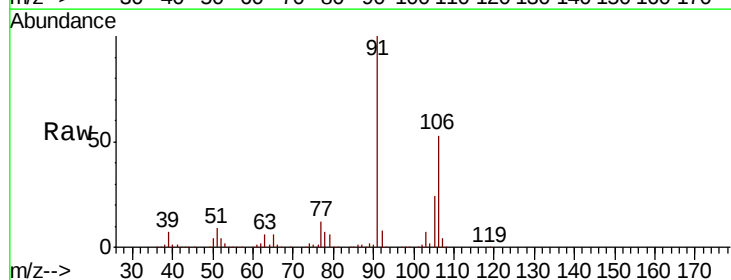
Acq: 06 Nov 2020 10:38

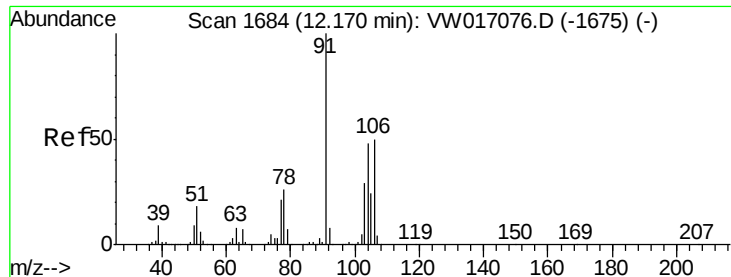
Tgt Ion: 106 Resp: 278794

Ion Ratio Lower Upper

106 100

91 190.4 138.7 257.5





#55

o-xylene

Concen: 24.899 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

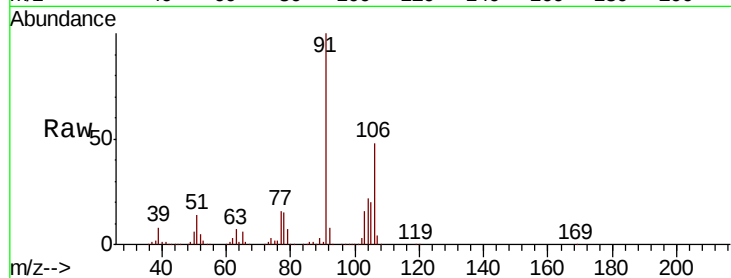
ClientSampled :

Tot Ion:106 Resp: 268090

Ion Ratio Lower Upper

106 100

91 208.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

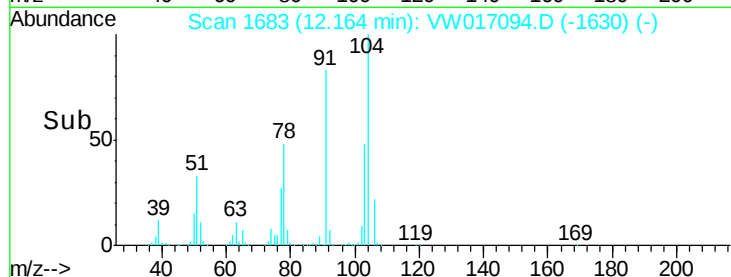
300000

200000

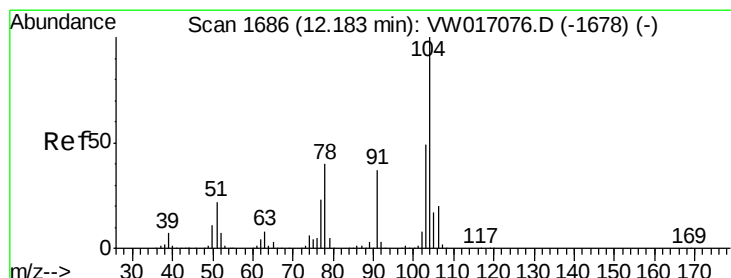
100000

0

12.10 12.15 12.20



Time-->



#56

Styrene

Concen: 24.904 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017094.D

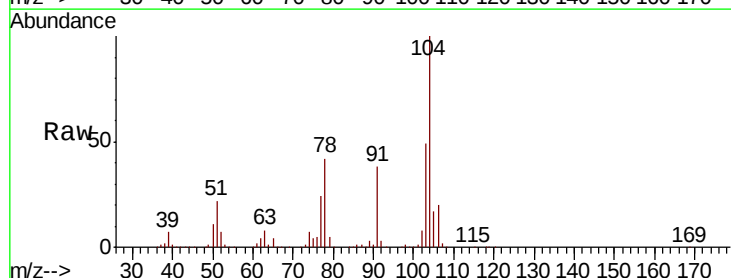
Acq: 06 Nov 2020 10:38

Tgt Ion:104 Resp: 450196

Ion Ratio Lower Upper

104 100

78 41.7 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

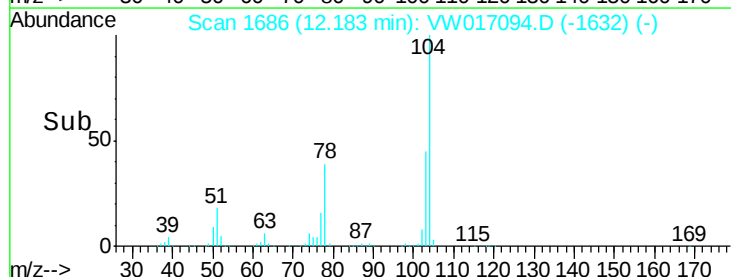
150000

100000

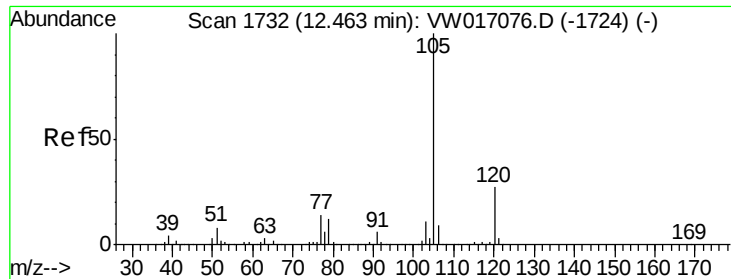
50000

0

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 24.983 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

ClientSampled :

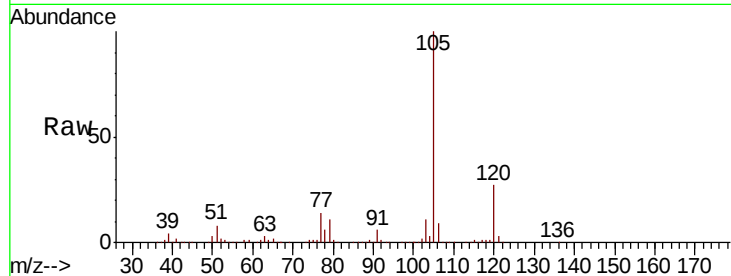
Tot Ion:105 Resp: 730016

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 14.7 11.4 17.0

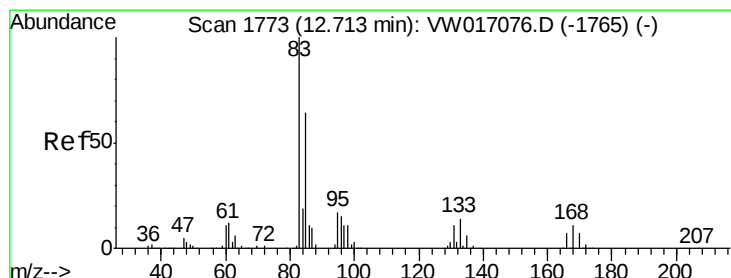
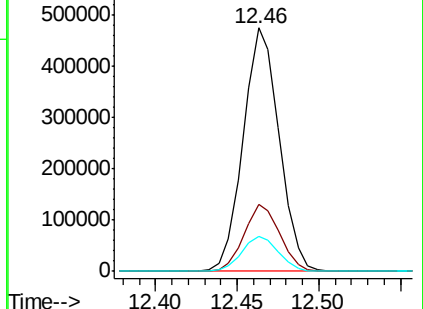
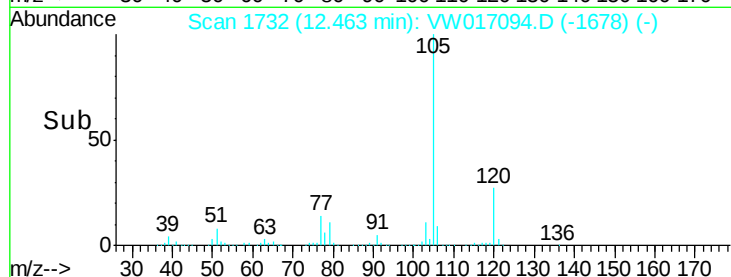


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 22.350 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

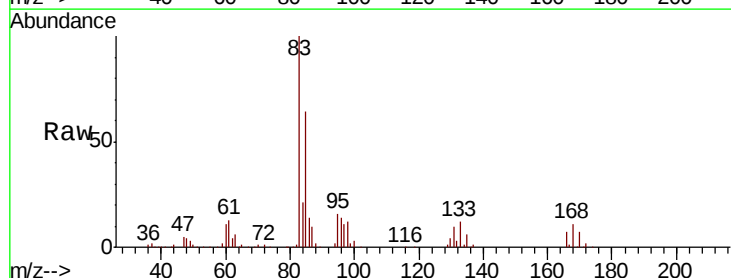
Tgt Ion: 83 Resp: 122738

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 10.4 8.8 13.2

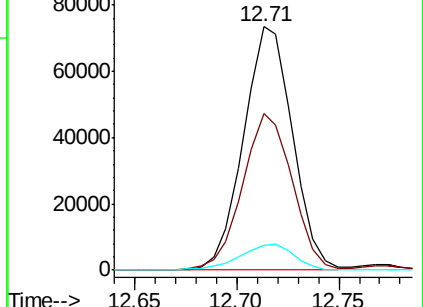
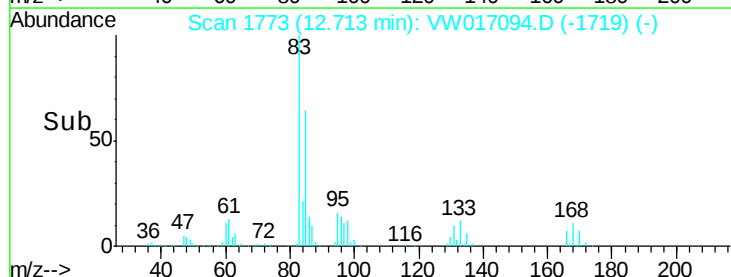


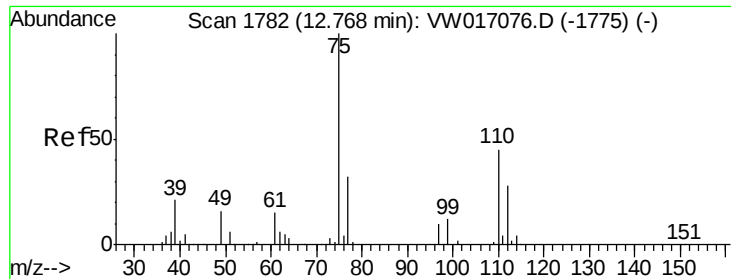
Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 22.068 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

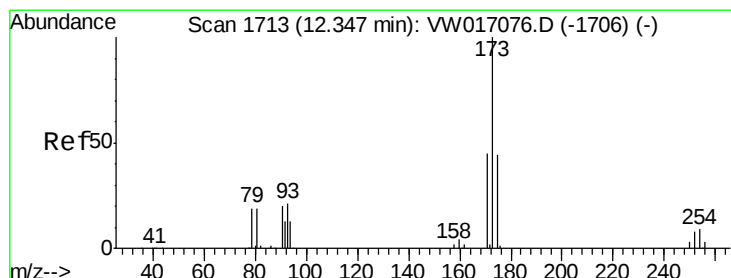
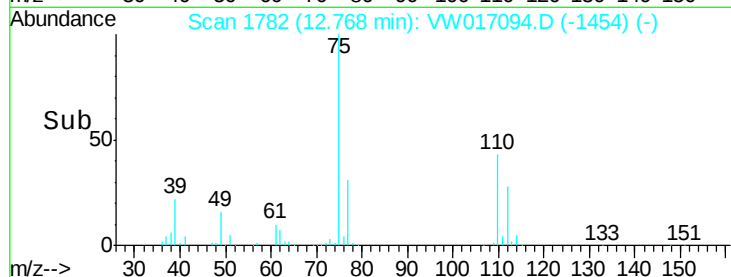
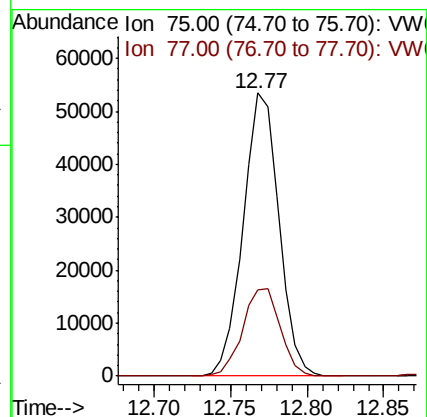
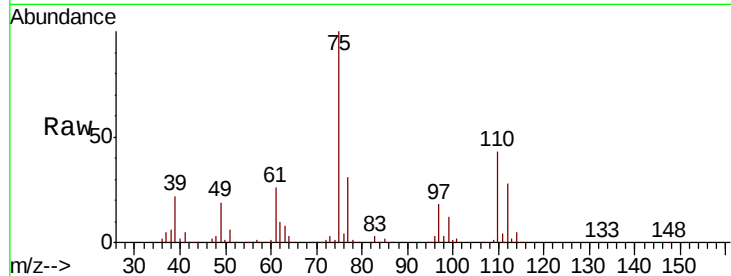
ClientSampled :

Tot Ion: 75 Resp: 87110

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6



#62

Bromoform

Concen: 22.480 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

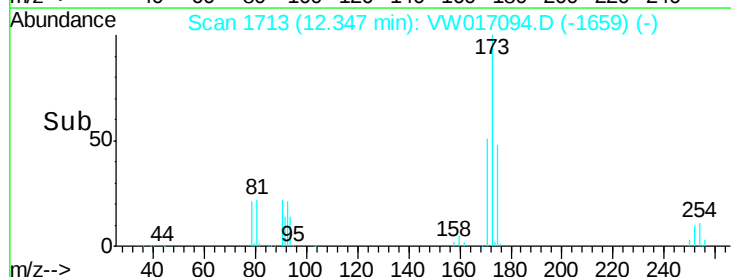
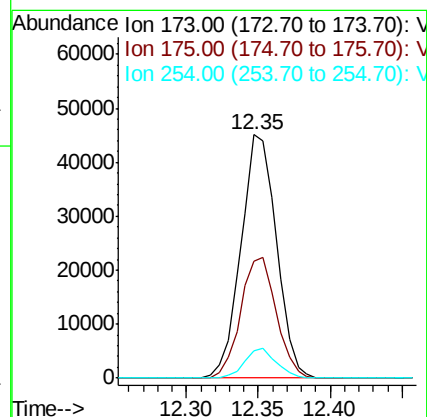
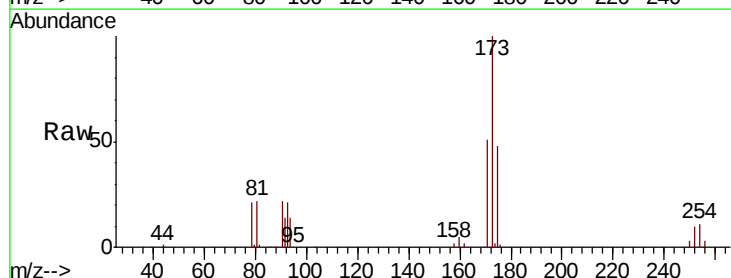
Tgt Ion: 173 Resp: 77356

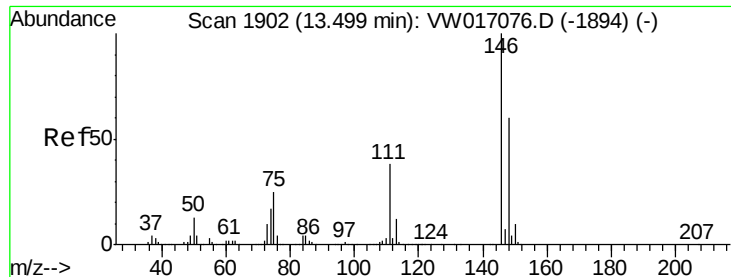
Ion Ratio Lower Upper

173 100

175 49.6 38.3 57.5

254 11.0 8.1 12.1

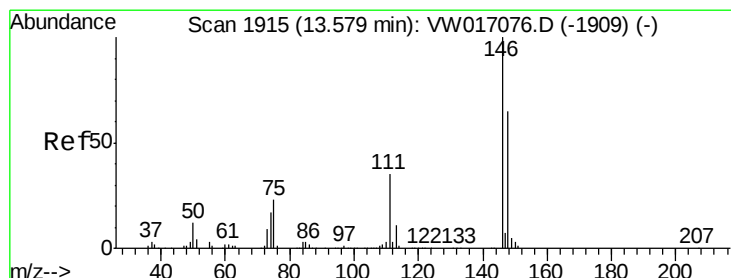
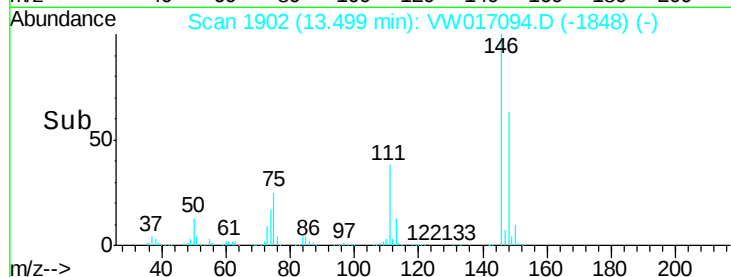
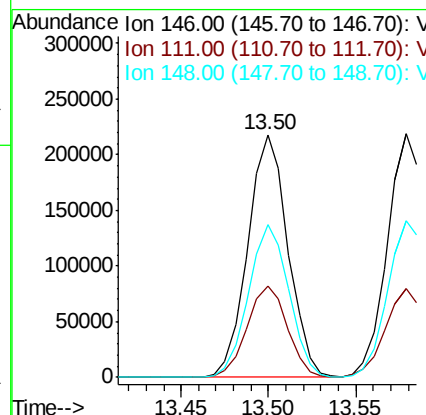
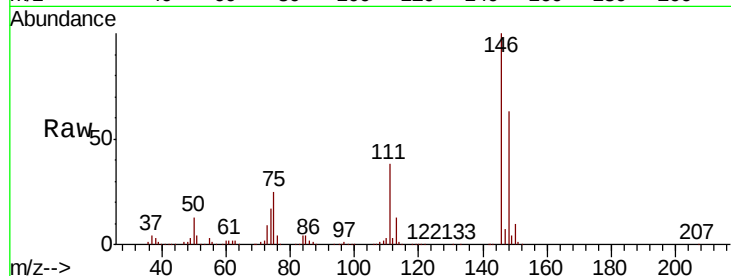




#63
 1,3-Dichlorobenzene
 Concen: 24.908 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

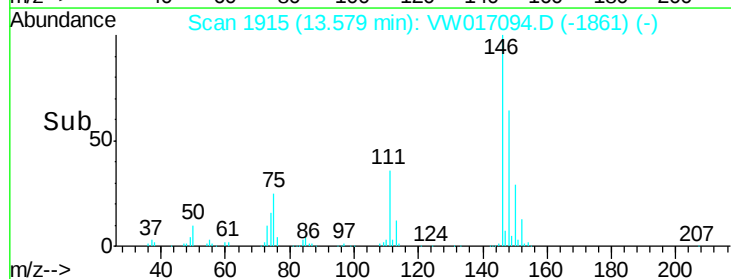
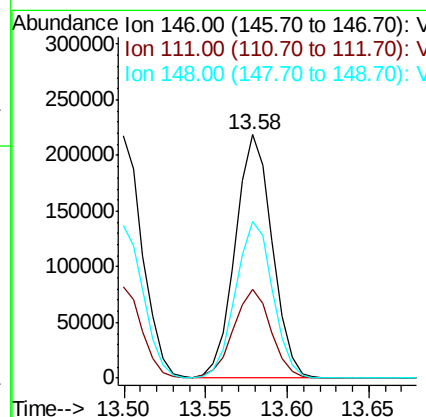
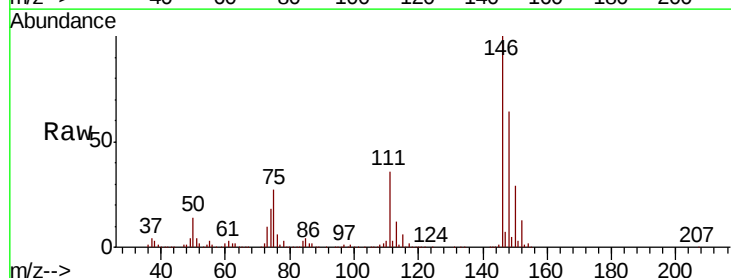
Instrument :
 MSVOA_W
 ClientSampleId :

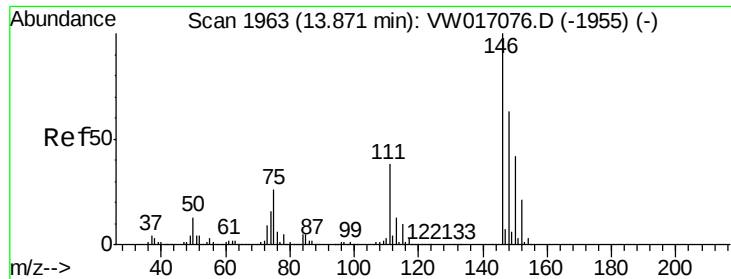
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.4	49.0
148	62.9	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.601 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	24.5	45.5
148	64.5	45.5	84.5

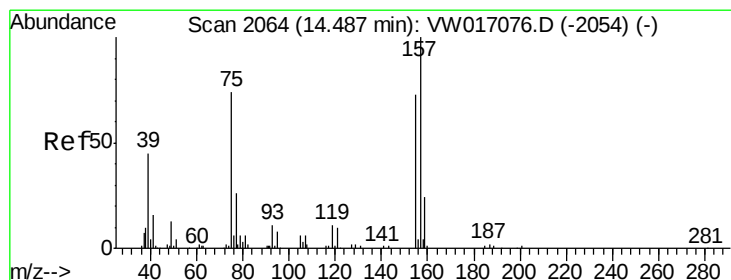
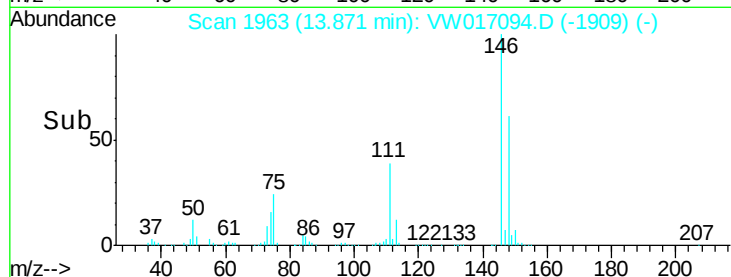
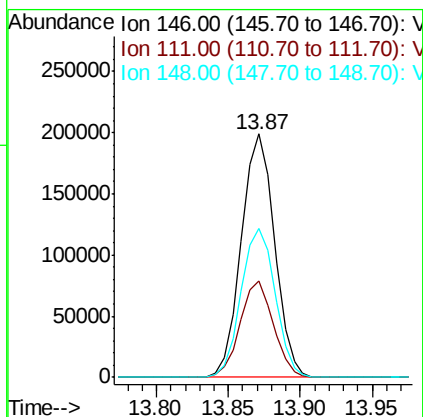
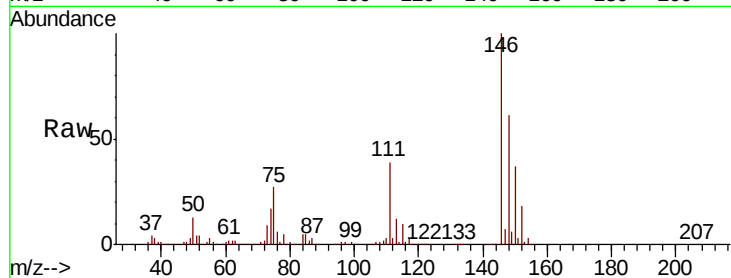




#65
 1,2-Dichlorobenzene
 Concen: 25.396 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

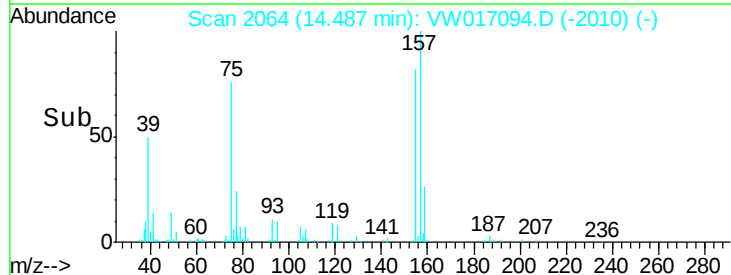
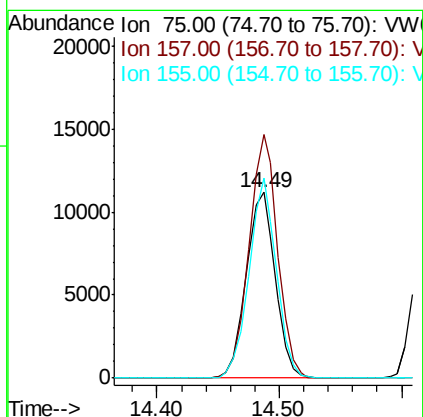
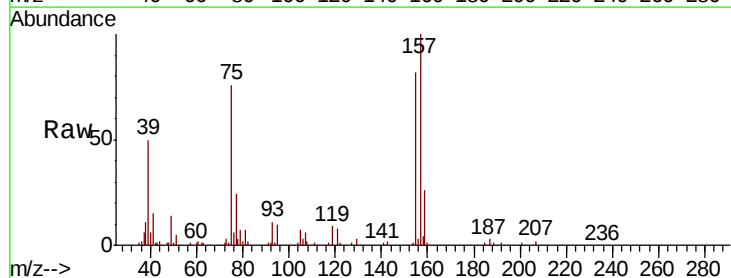
Instrument :
 MSVOA_W
 ClientSampled :

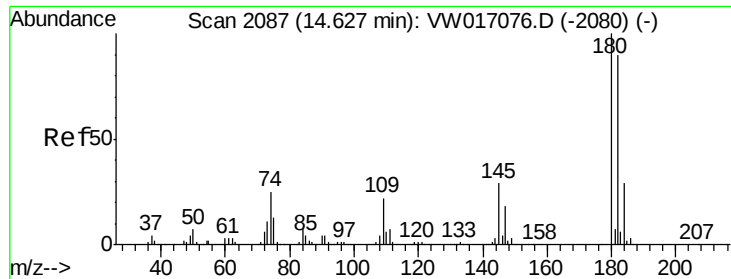
Tot Ion:146 Resp: 319364
 Ion Ratio Lower Upper
 146 100
 111 39.4 30.5 45.7
 148 61.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.174 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion: 75 Resp: 18436
 Ion Ratio Lower Upper
 75 100
 157 131.0 108.2 162.4
 155 107.7 79.1 118.7

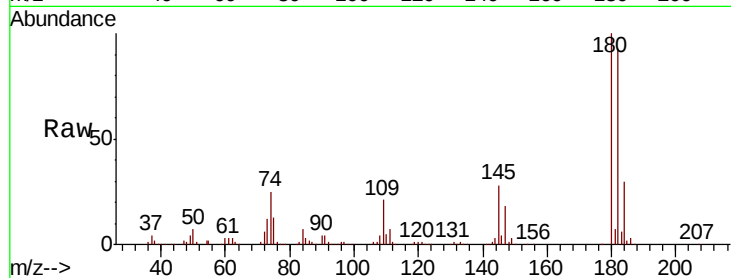




#67
 1,3,5-Trichlorobenzene
 Concen: 25.855 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.2	115.8
184	30.2	24.2	36.4
145	28.7	23.5	35.3



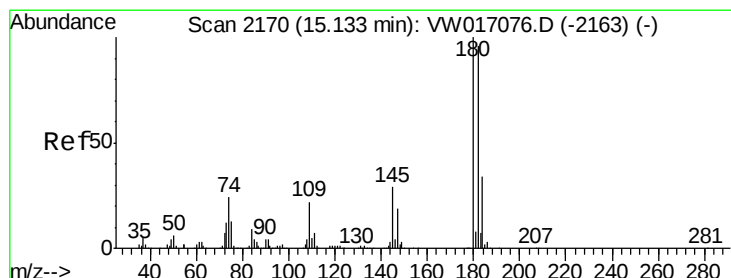
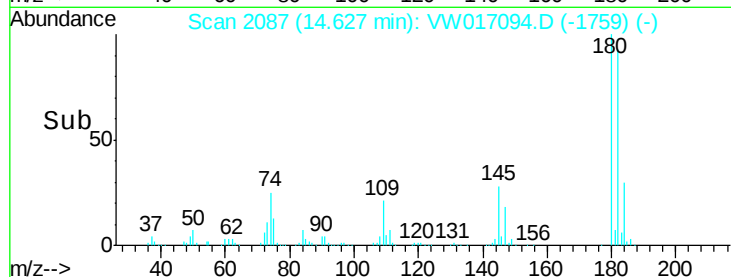
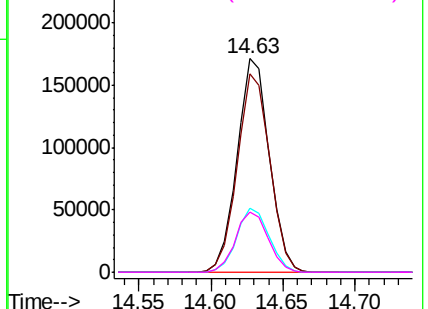
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

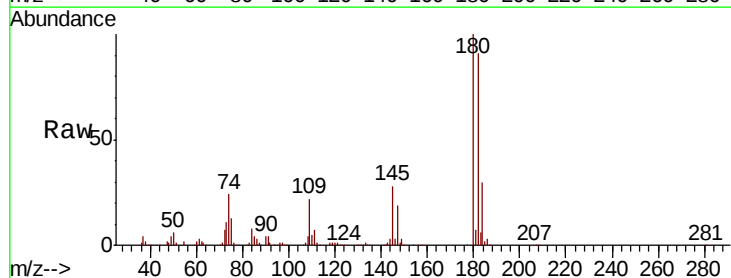
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.750 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017094.D
 Acq: 06 Nov 2020 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.7	115.1
145	28.6	23.6	35.4

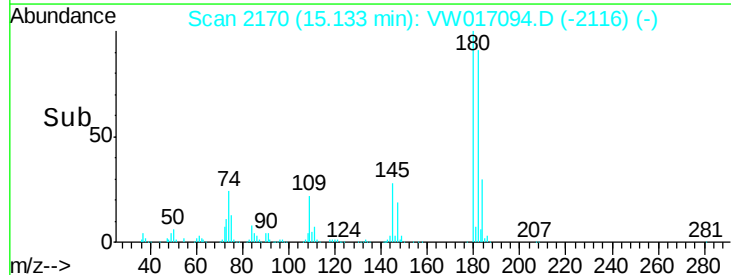
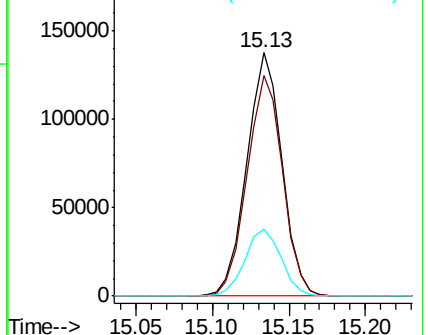


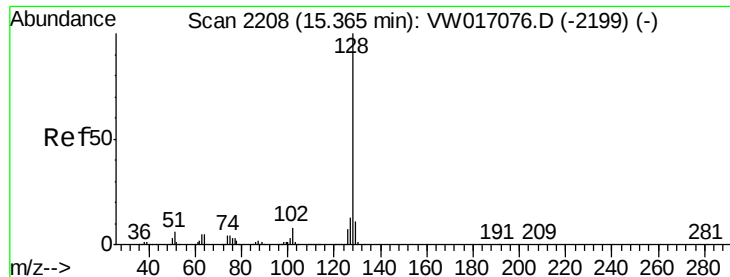
Abundance

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: 24.567 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

Instrument :

MSVOA_W

ClientSampled :

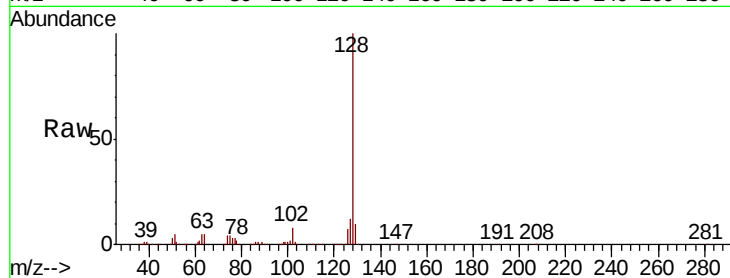
Tot Ion:128 Resp: 370735

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

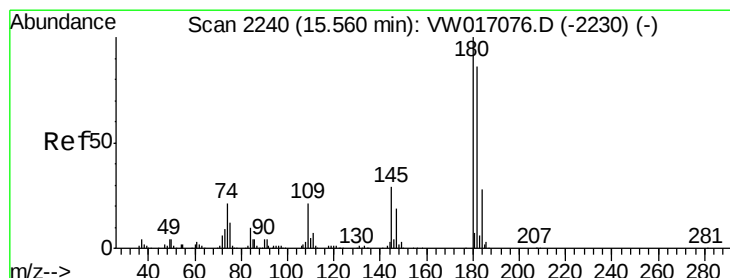
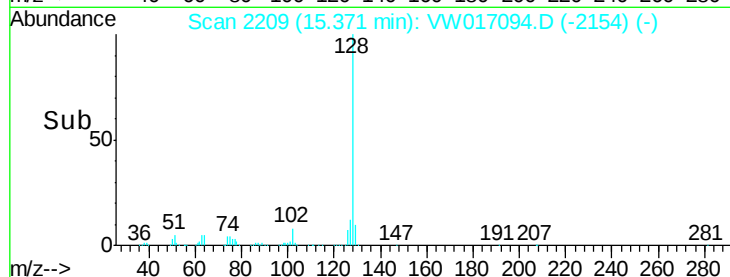
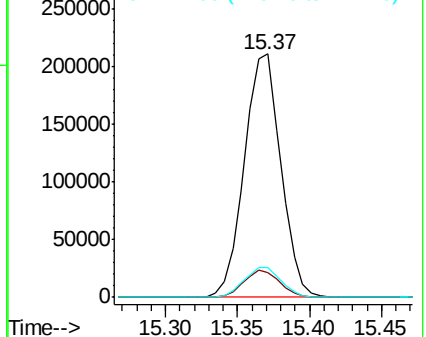
127 12.5 10.2 15.2



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: 25.187 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017094.D

Acq: 06 Nov 2020 10:38

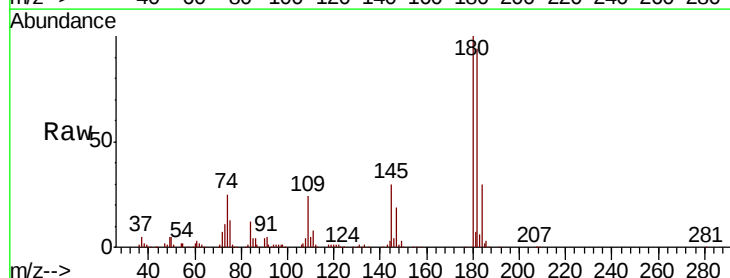
Tgt Ion:180 Resp: 188720

Ion Ratio Lower Upper

180 100

182 96.0 75.5 113.3

145 31.3 24.5 36.7



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

