

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
 Data File : VW017020.D
 Acq On : 29 Oct 2020 10:08
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 01:06:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 08:01:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	508277	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	478367	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	244844	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136299	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
7) Chloroethane-d5	2.90	69	114409	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.68%
10) 1,1-Dichloroethene-d2	4.03	63	291380	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.08	46	63991	57.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.82%
24) Chloroform-d	7.65	84	320759	27.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.44%
26) 1,2-Dichloroethane-d4	8.31	65	147924	26.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.24%
29) Benzene-d6	8.27	84	631127	25.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.72%
33) 1,2-Dichloropropane-d6	9.27	67	172735	26.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.16%
37) Toluene-d8	10.32	98	602791	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.24%
38) trans-1,3-Dichloropropene-	10.58	79	73322	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.20%
39) 2-Hexanone-d5	10.93	63	55117	59.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138898	27.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	219789	25.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	149985	25.871	ug/L 100
3) Chloromethane	2.22	50	124237	24.828	ug/L 99
5) Vinyl chloride	2.37	62	196373	26.793	ug/L 99
6) Bromomethane	2.79	94	131897	26.497	ug/L 99
8) Chloroethane	2.93	64	115379	27.354	ug/L 96
9) Trichlorofluoromethane	3.27	101	156709	26.957	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	196841	28.094	ug/L 98
12) 1,1-Dichloroethene	4.04	96	183895	27.638	ug/L 98
13) Acetone	4.13	43	41667	56.037	ug/L 97
14) Carbon disulfide	4.39	76	532403	26.394	ug/L 99
15) Methyl Acetate	4.68	43	53884	27.756	ug/L 98
16) Methylene chloride	4.92	84	180112	26.801	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	190523	26.269	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	190741	27.410	ug/L 95
19) 1,1-Dichloroethane	6.22	63	300896	28.235	ug/L 98
21) 2-Butanone	7.17	43	67083	53.909	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	196329	27.907	ug/L 99

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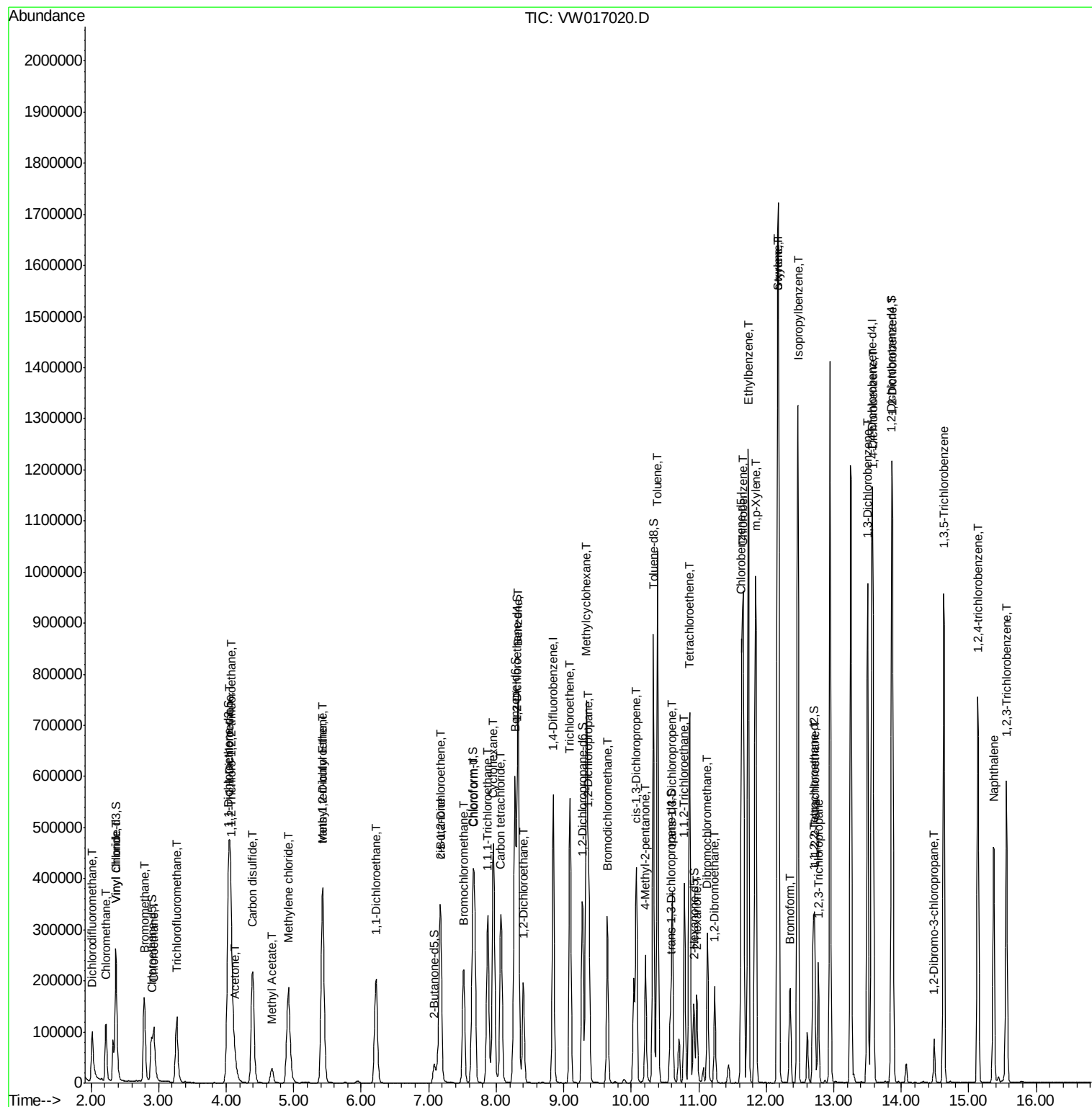
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	92376	28.444	ug/L	99
25) Chloroform	7.68	83	323002	28.471	ug/L	99
27) 1,2-Dichloroethane	8.40	62	180950	28.009	ug/L	97
30) Cyclohexane	7.96	56	267594	26.742	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	278968	26.936	ug/L	100
32) Carbon tetrachloride	8.07	117	269132	27.074	ug/L	100
34) Benzene	8.33	78	712212	26.950	ug/L	100
35) Trichloroethene	9.09	95	196138	26.799	ug/L	100
36) Methylcyclohexane	9.34	83	330975	26.927	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162855	27.594	ug/L	100
41) Bromodichloromethane	9.65	83	222745	27.807	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	256733	27.819	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	156590	55.974	ug/L	100
44) Toluene	10.39	91	788267	27.531	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	214230	28.023	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	127961	27.088	ug/L	98
47) Tetrachloroethene	10.87	164	179386	26.645	ug/L	95
49) 2-Hexanone	10.97	43	101493	56.925	ug/L	99
50) Dibromochloromethane	11.13	129	162956	28.317	ug/L	98
51) 1,2-Dibromoethane	11.24	107	124606	27.668	ug/L	98
52) Chlorobenzene	11.66	112	520918	27.216	ug/L	99
53) Ethylbenzene	11.73	91	884512	27.508	ug/L	99
54) m,p-Xylene	11.84	106	344941	27.268	ug/L	96
55) o-xylene	12.17	106	327708	27.965	ug/L	95
56) Styrene	12.18	104	558183	28.473	ug/L	100
57) Isopropylbenzene	12.47	105	917130	28.295	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	140742	27.758	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99261	27.356	ug/L	100
62) Bromoform	12.35	173	91299	26.536	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	426155	26.975	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	423667	26.902	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	378170	27.135	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	20300	26.777	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	318975	27.586	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	265323	29.603	ug/L	98
69) Naphthalene	15.36	128	423897	29.158	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	225133	28.825	ug/L	98

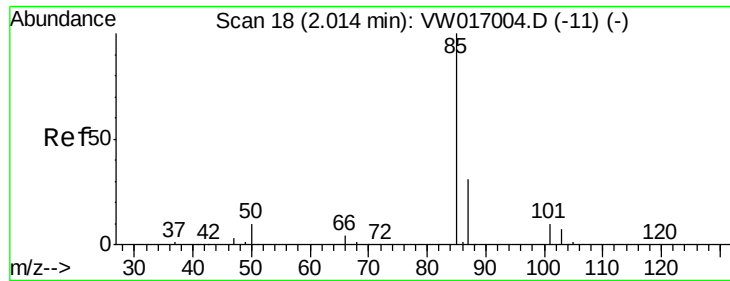
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.871 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

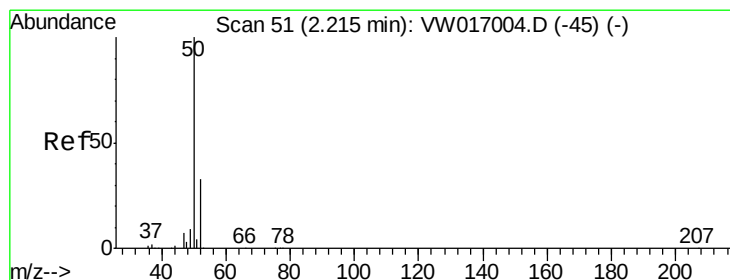
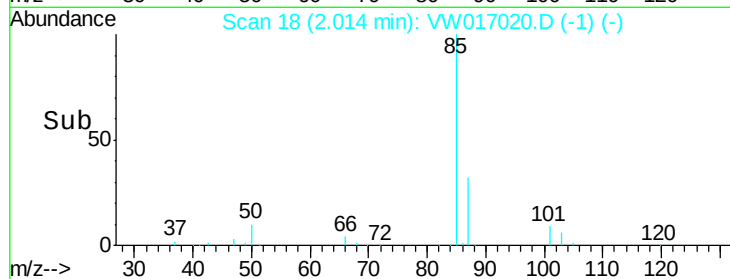
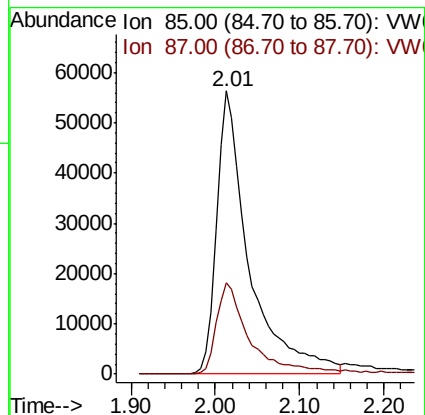
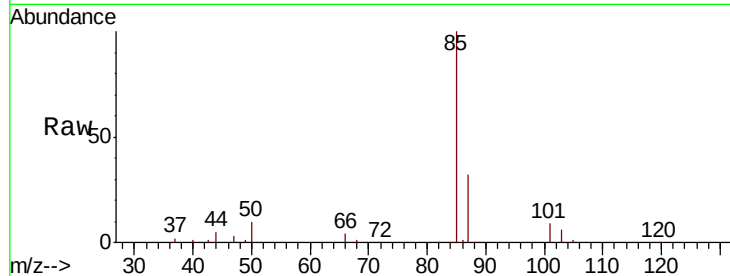
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 149985

Ion Ratio Lower Upper

85 100

87 31.8 22.4 41.6



#3

Chloromethane

Concen: 24.828 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017020.D

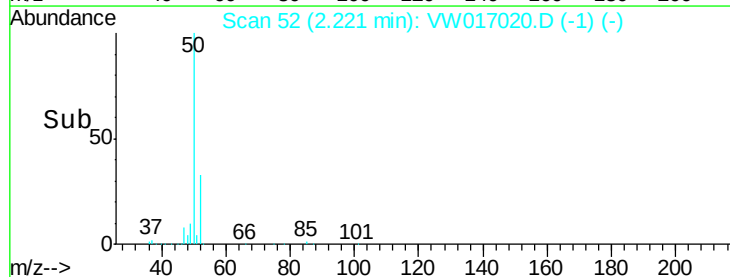
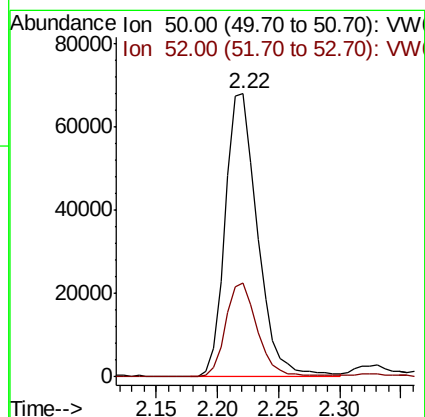
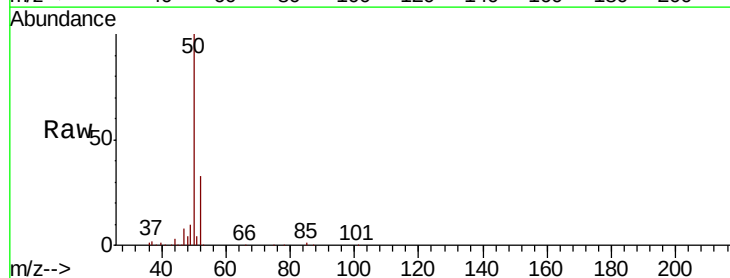
Acq: 29 Oct 2020 10:08

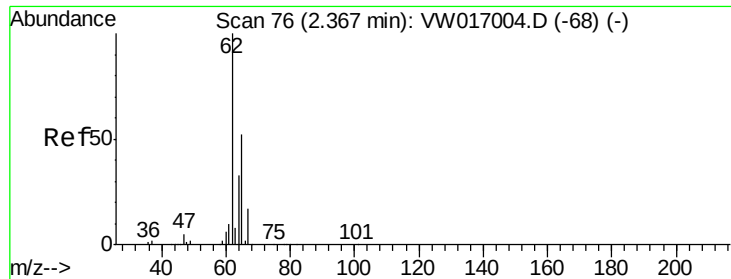
Tgt Ion: 50 Resp: 124237

Ion Ratio Lower Upper

50 100

52 33.1 23.5 43.7





#5

Vinyl chloride

Concen: 26.793 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

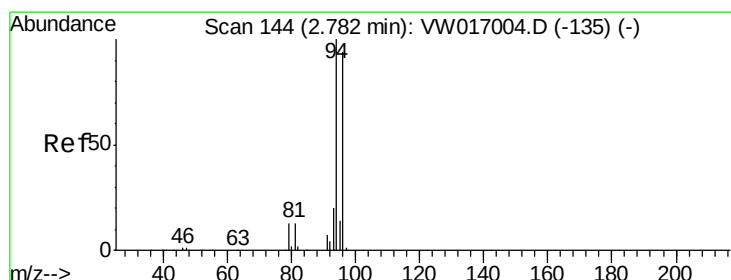
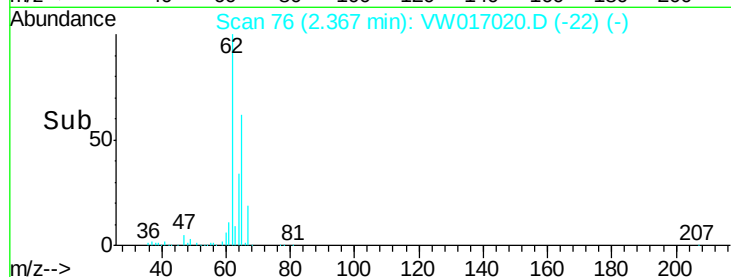
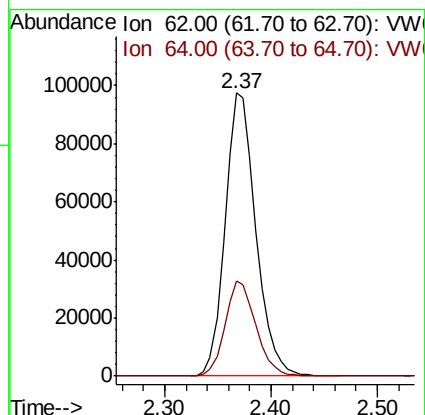
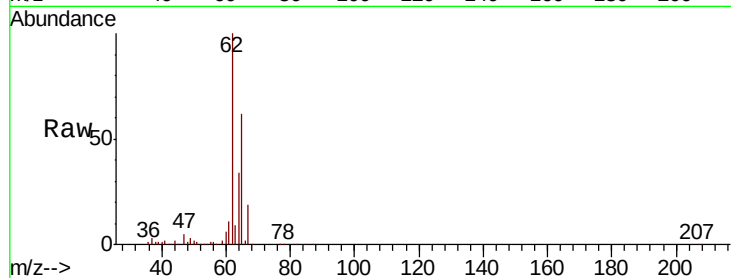
ClientSampled :

Tot Ion: 62 Resp: 196373

Ion Ratio Lower Upper

62 100

64 33.9 24.1 44.7



#6

Bromomethane

Concen: 26.497 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017020.D

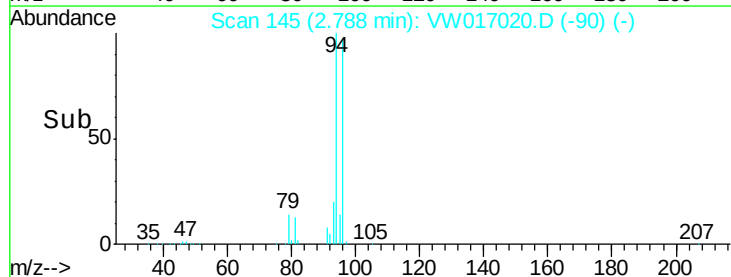
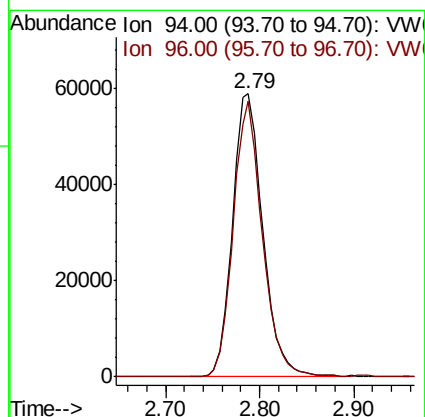
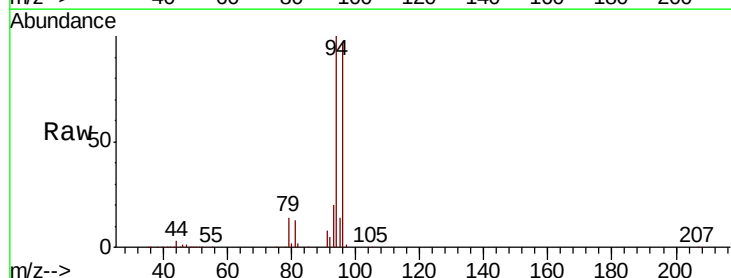
Acq: 29 Oct 2020 10:08

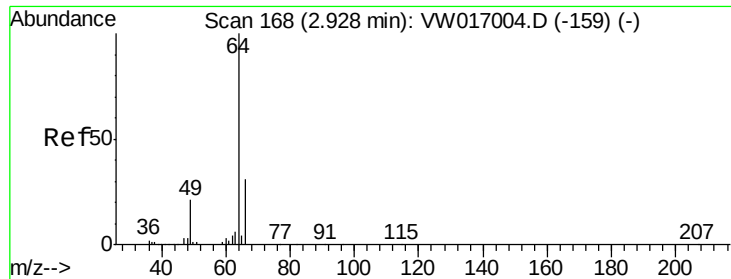
Tgt Ion: 94 Resp: 131897

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.8





#8

Chloroethane

Concen: 27.354 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

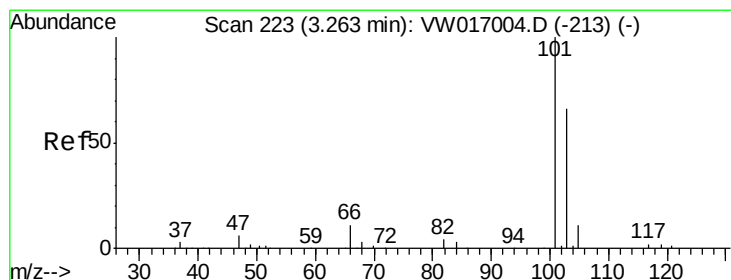
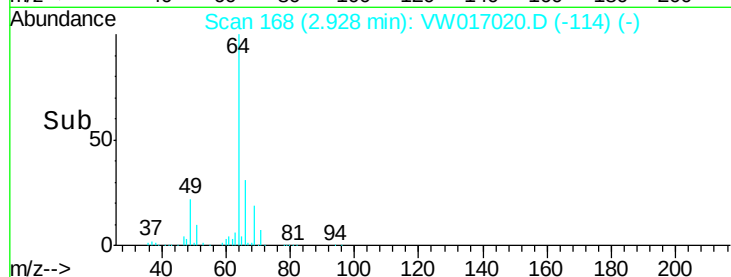
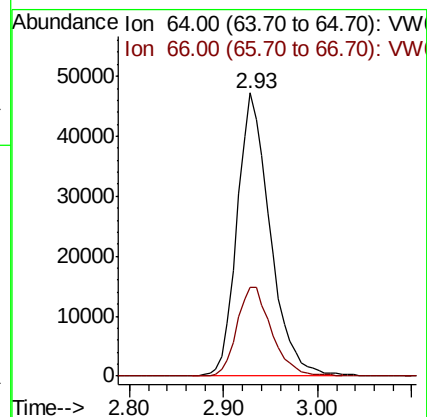
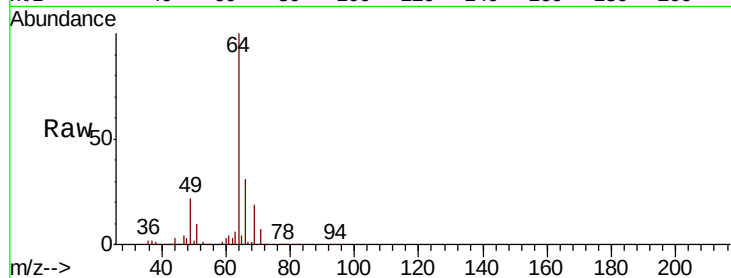
ClientSampled :

Tot Ion: 64 Resp: 115379

Ion Ratio Lower Upper

64 100

66 31.4 23.4 43.6



#9

Trichlorofluoromethane

Concen: 26.957 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017020.D

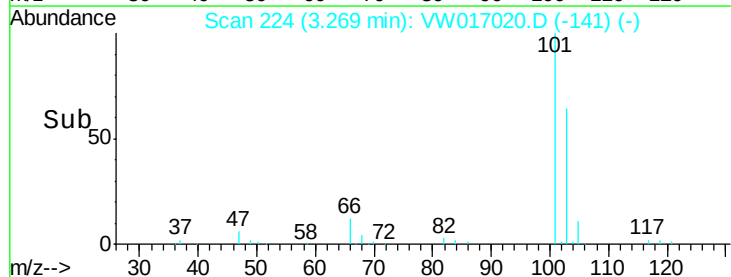
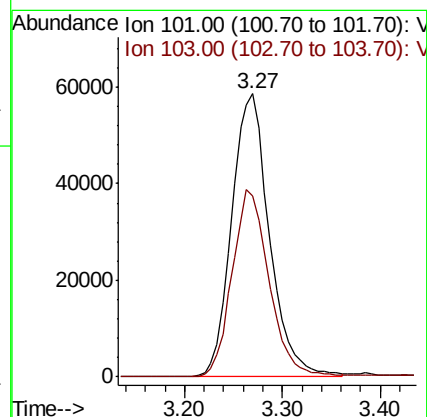
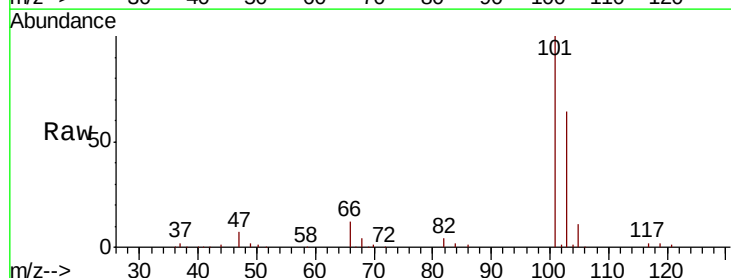
Acq: 29 Oct 2020 10:08

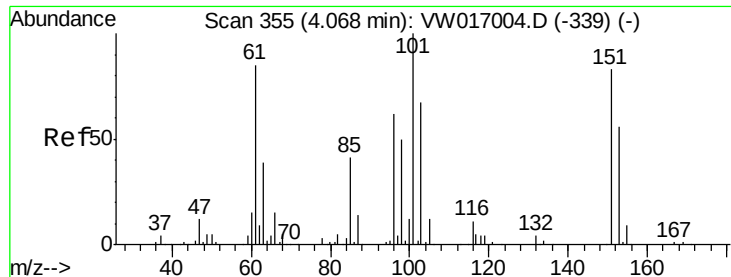
Tgt Ion:101 Resp: 156709

Ion Ratio Lower Upper

101 100

103 65.0 44.9 83.5





#11

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

Concen: 28.094 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

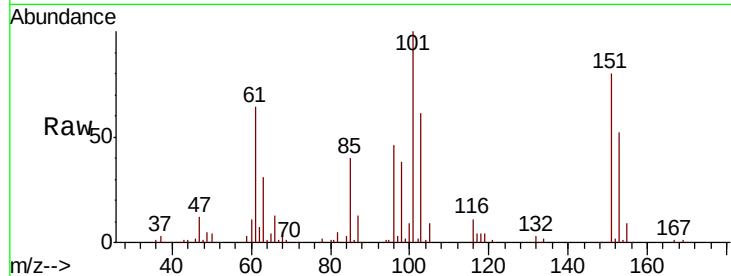
Tot Ion:101 Resp: 196841

Ion Ratio Lower Upper

101 100

85 39.8 32.5 48.7

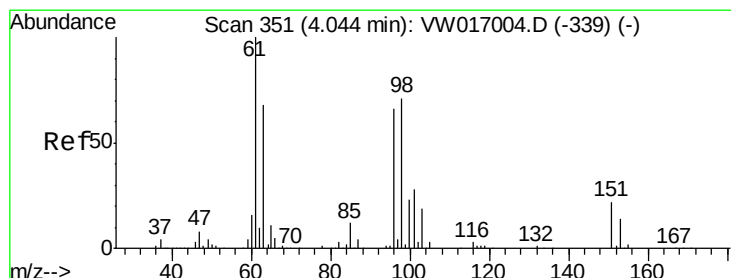
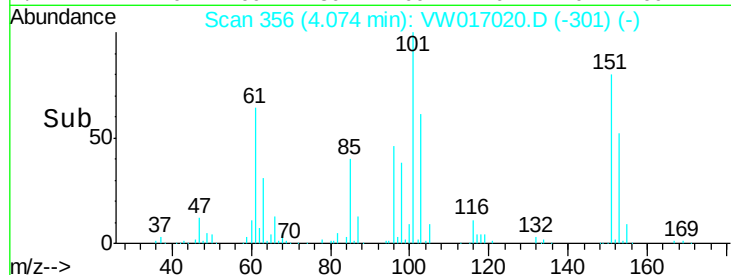
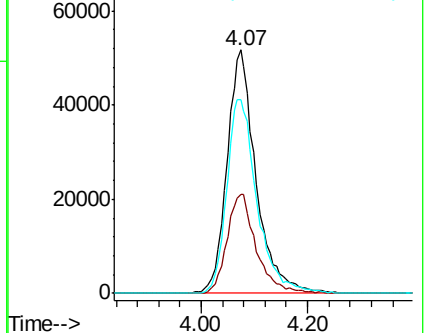
151 80.1 65.7 98.5



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: 27.638 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

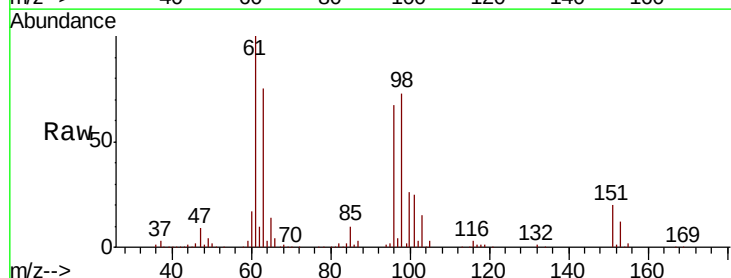
Tgt Ion: 96 Resp: 183895

Ion Ratio Lower Upper

96 100

61 149.7 101.4 188.4

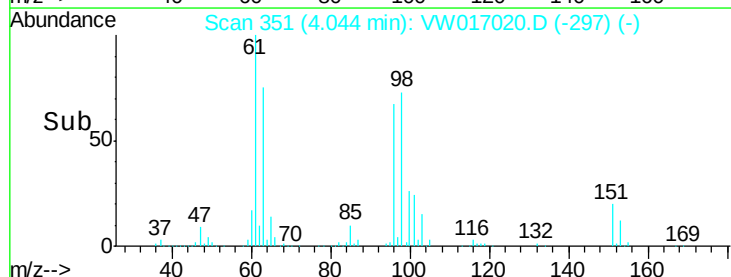
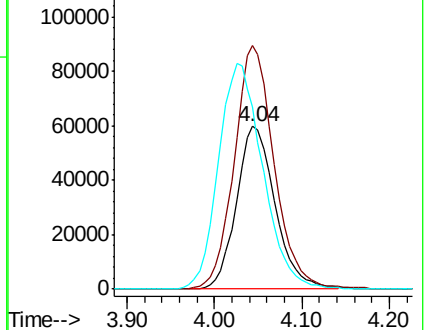
63 111.9 78.5 145.9

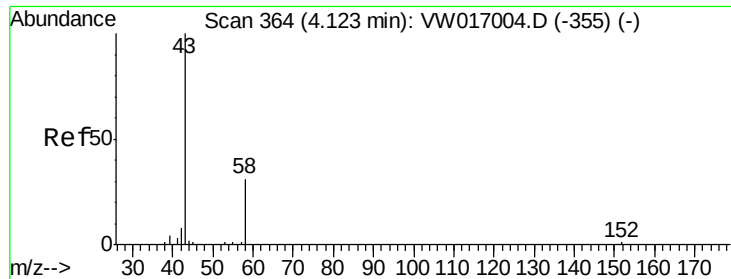


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.037 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

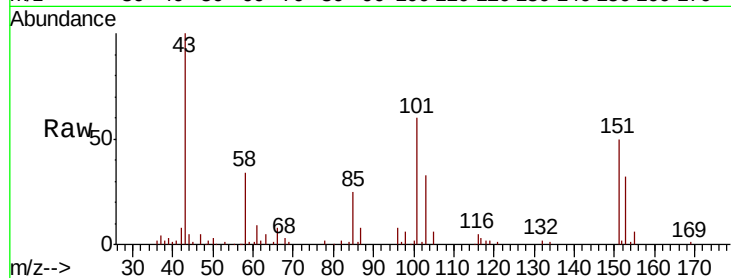
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 41667

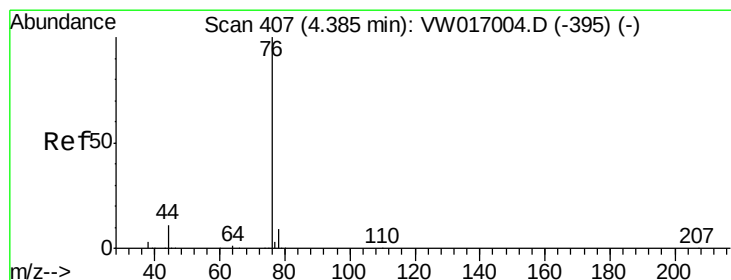
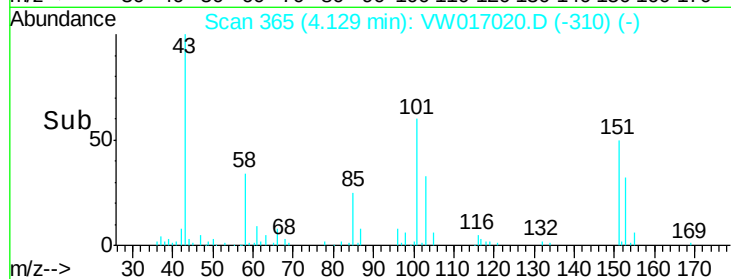
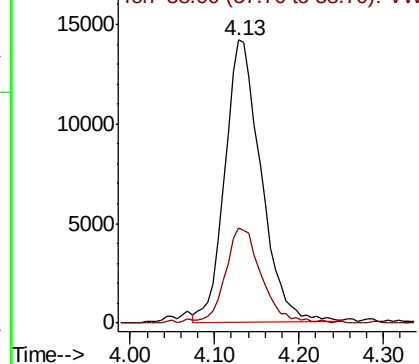
Ion Ratio Lower Upper

43 100

58 33.3 0.0 69.8



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



#14

Carbon disulfide

Concen: 26.394 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017020.D

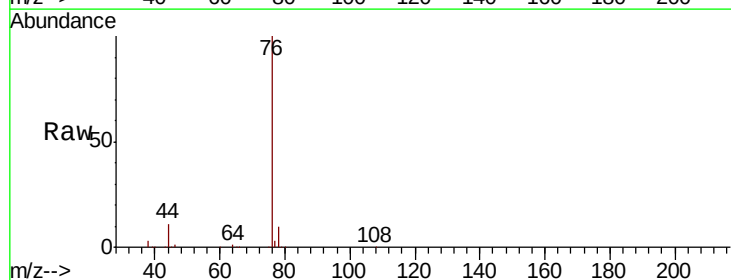
Acq: 29 Oct 2020 10:08

Tgt Ion: 76 Resp: 532403

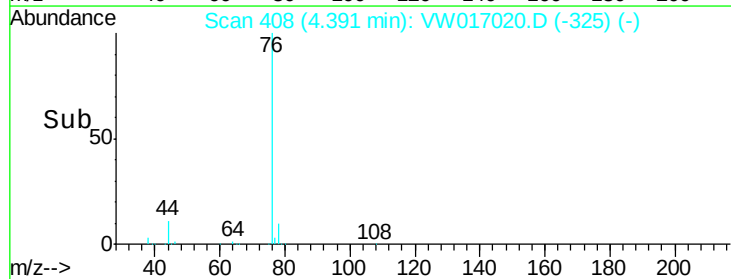
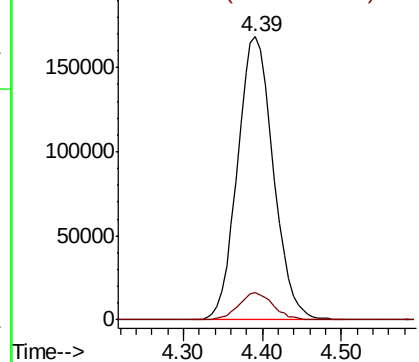
Ion Ratio Lower Upper

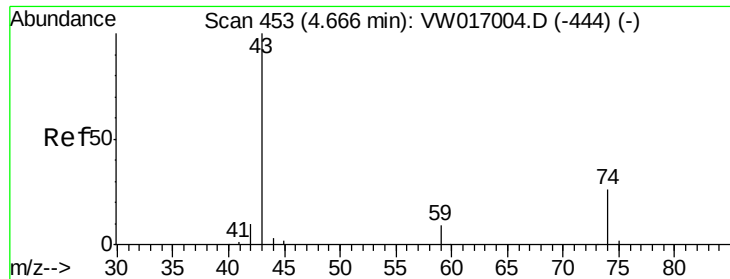
76 100

78 9.6 7.3 10.9



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

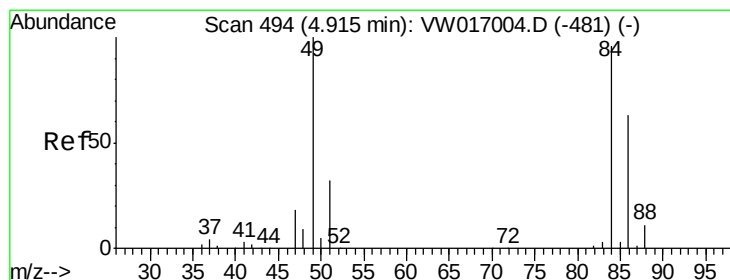
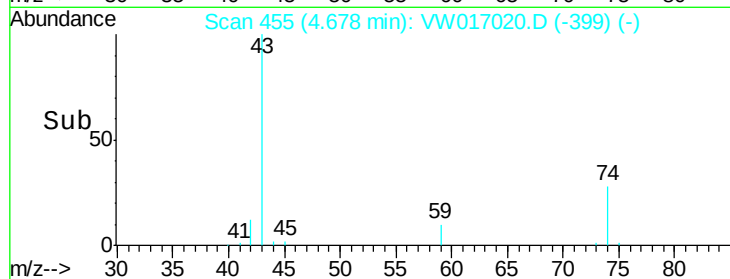
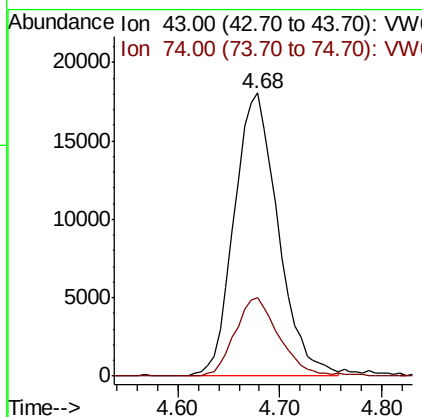
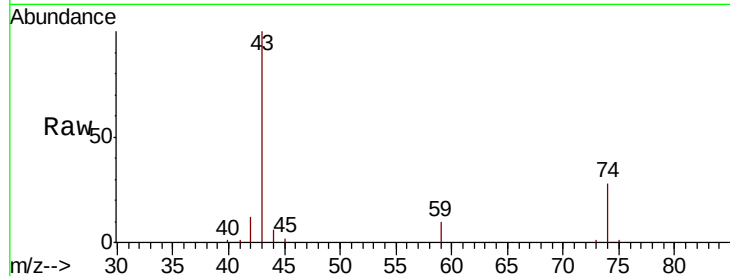




#15
Methyl Acetate
Concen: 27.756 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

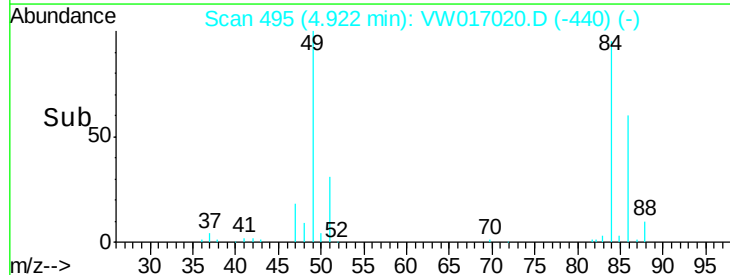
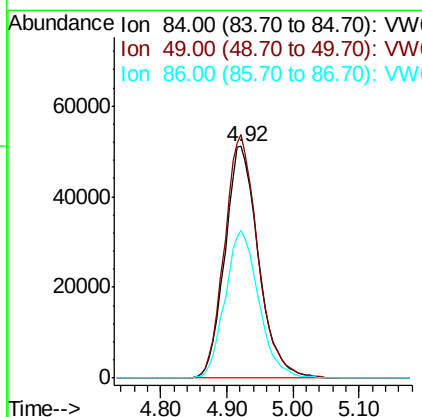
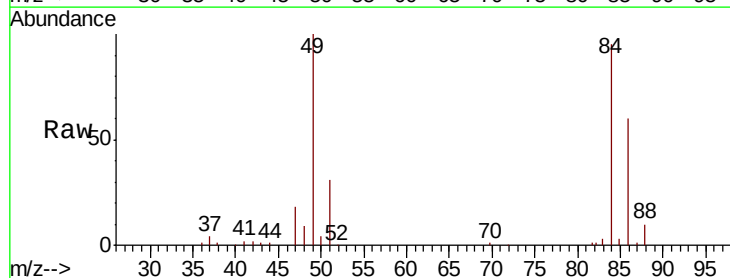
Instrument :
MSVOA_W
ClientSampleId :

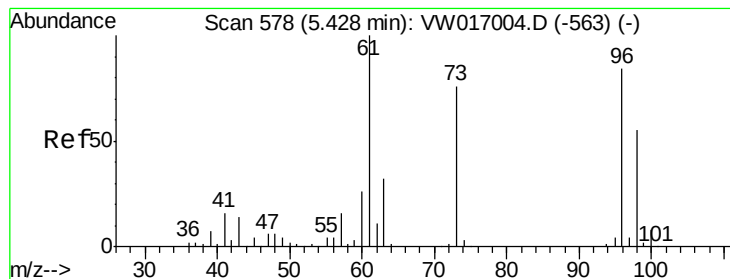
Tot Ion: 43 Resp: 53884
Ion Ratio Lower Upper
43 100
74 27.7 22.8 34.2



#16
Methylene chloride
Concen: 26.801 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

Tgt Ion: 84 Resp: 180112
Ion Ratio Lower Upper
84 100
49 105.2 73.8 137.0
86 63.6 47.4 88.0





#17

Methyl tert-butyl Ether

Concen: 26.269 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

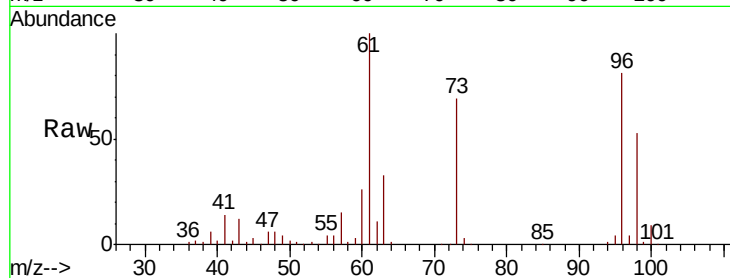
Tot Ion: 73 Resp: 190523

Ion Ratio Lower Upper

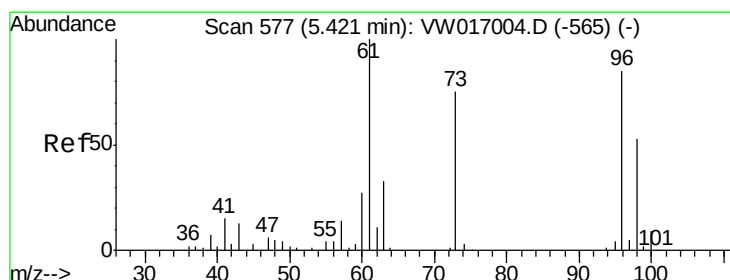
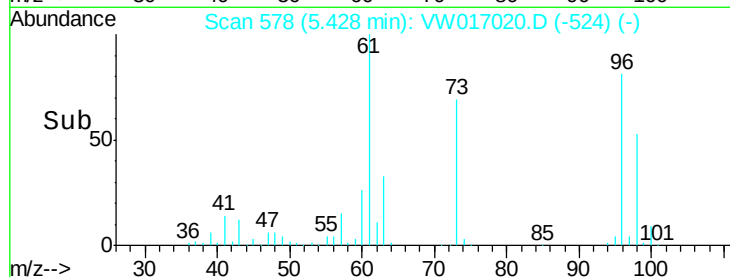
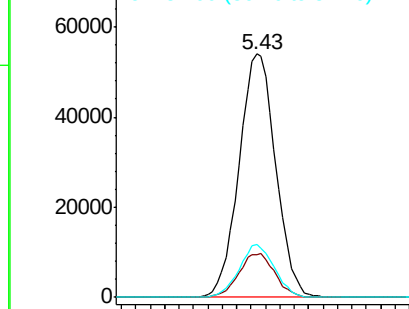
73 100

43 17.8 14.4 21.6

57 20.9 16.6 25.0



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: 27.410 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

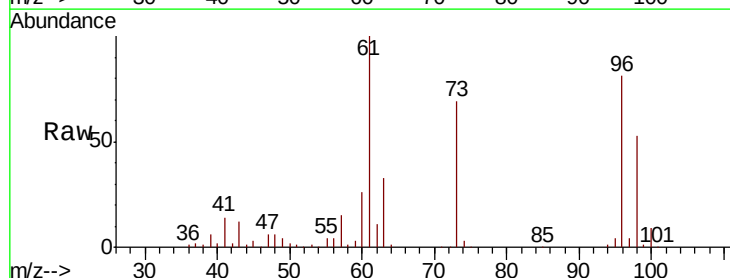
Tgt Ion: 96 Resp: 190741

Ion Ratio Lower Upper

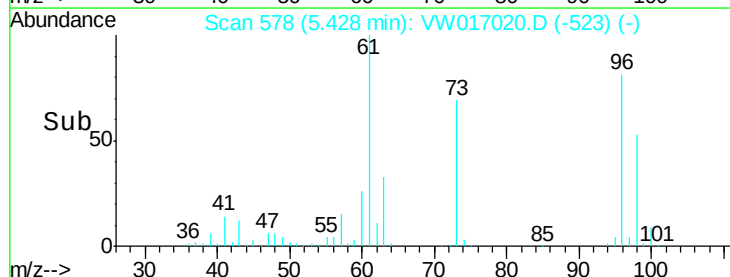
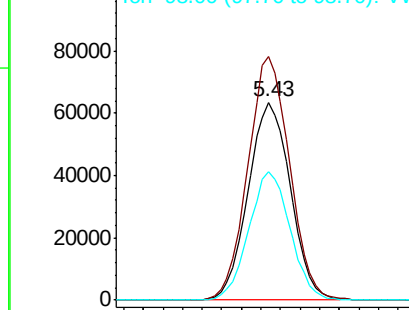
96 100

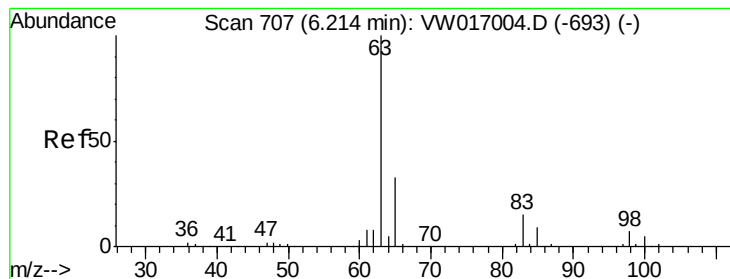
61 122.9 82.7 153.7

98 64.7 42.6 79.0



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: 28.235 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

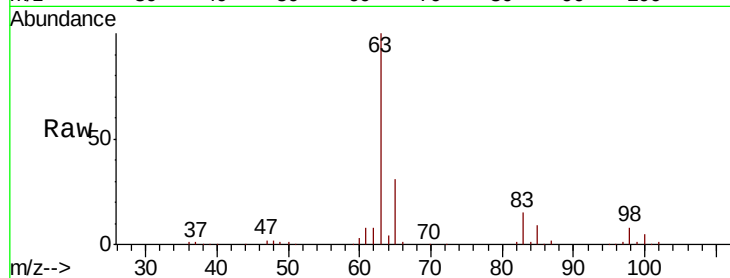
Tot Ion: 63 Resp: 300896

Ion Ratio Lower Upper

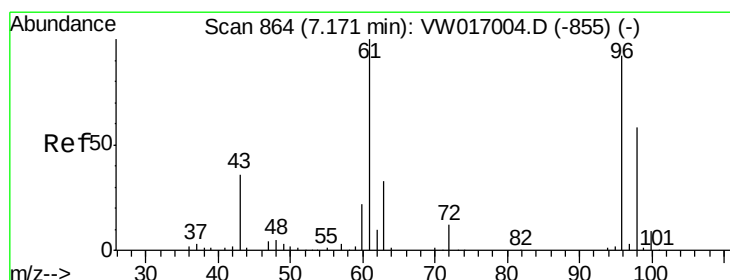
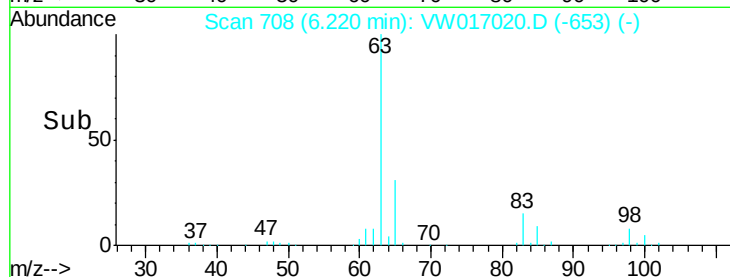
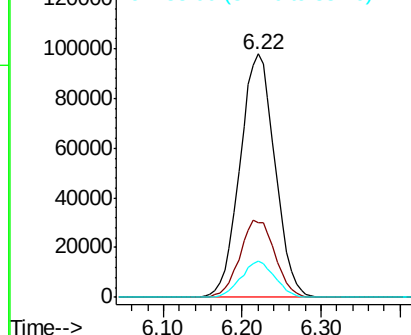
63 100

65 30.9 22.5 41.9

83 14.7 10.1 18.9



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



#21

2-Butanone

Concen: 53.909 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017020.D

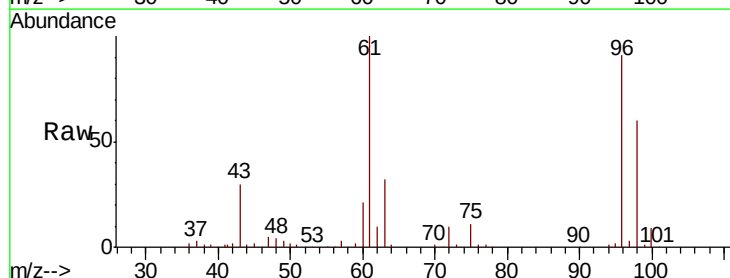
Acq: 29 Oct 2020 10:08

Tgt Ion: 43 Resp: 67083

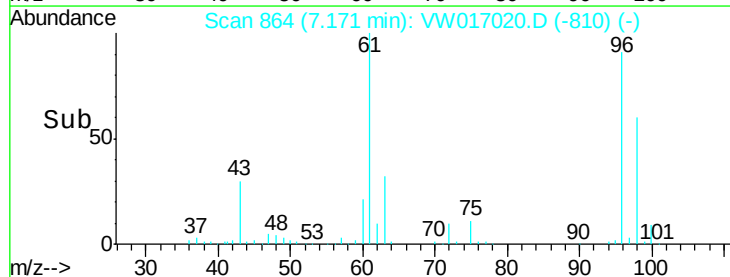
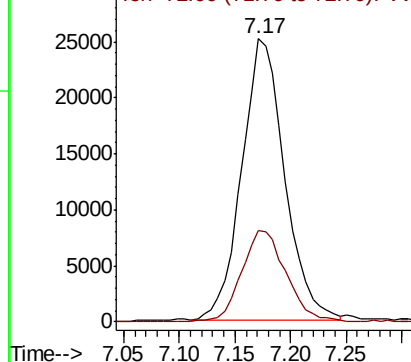
Ion Ratio Lower Upper

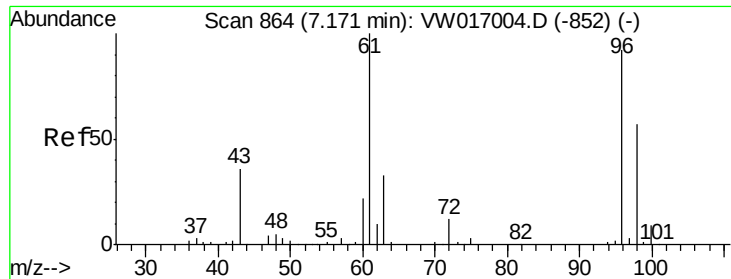
43 100

72 33.6 16.1 48.2



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



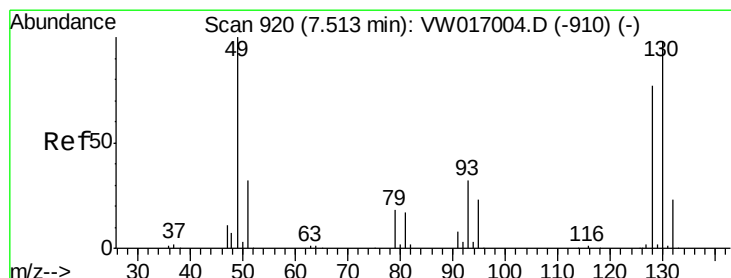
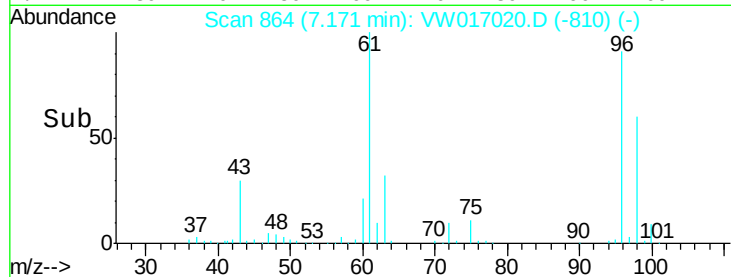
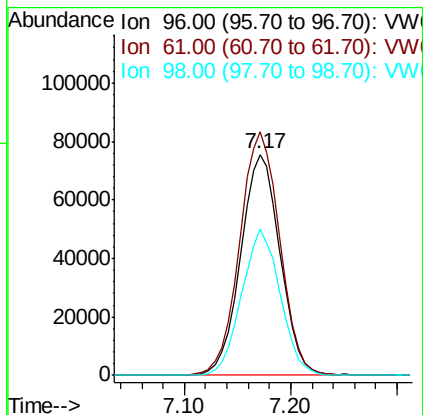
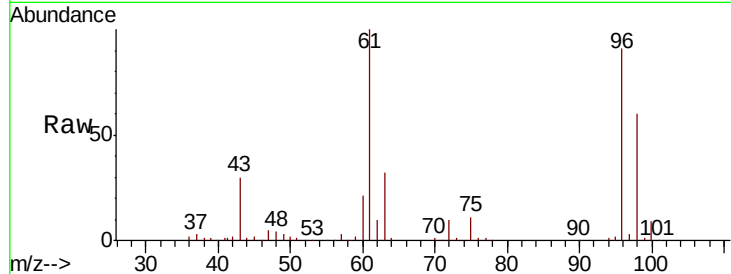


#22

cis-1,2-Dichloroethene
 Concen: 27.907 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampled :

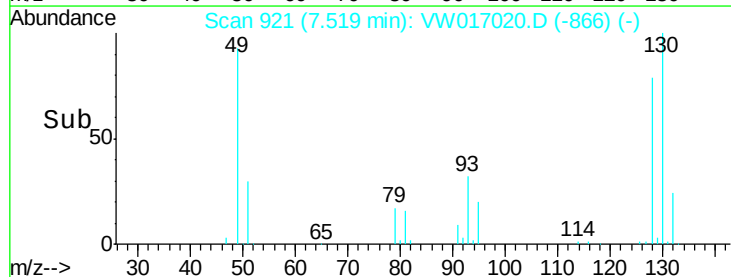
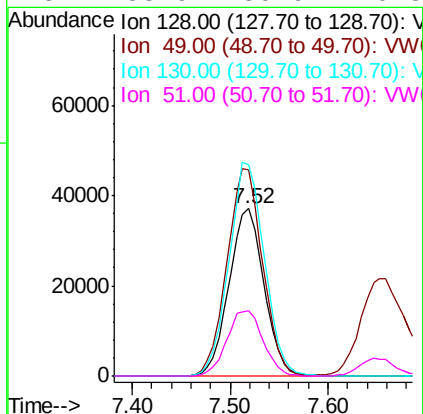
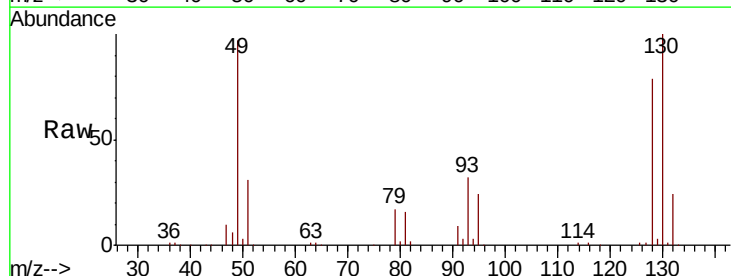
Tot Ion: 96 Resp: 196329
 Ion Ratio Lower Upper
 96 100
 61 110.4 77.4 143.8
 98 66.4 44.4 82.5

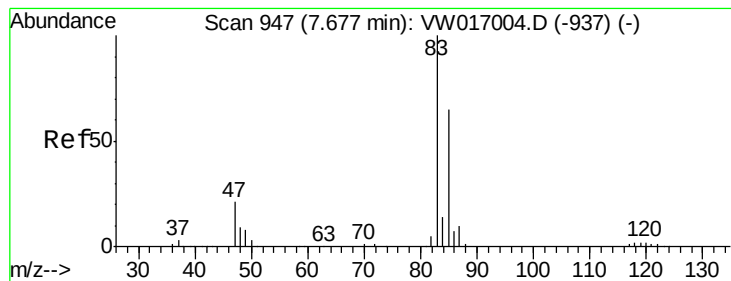


#23

Bromochloromethane
 Concen: 28.444 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion: 128 Resp: 92376
 Ion Ratio Lower Upper
 128 100
 49 123.0 86.4 160.4
 130 126.3 86.4 160.4
 51 38.9 30.9 46.3





#25

Chloroform

Concen: 28.471 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

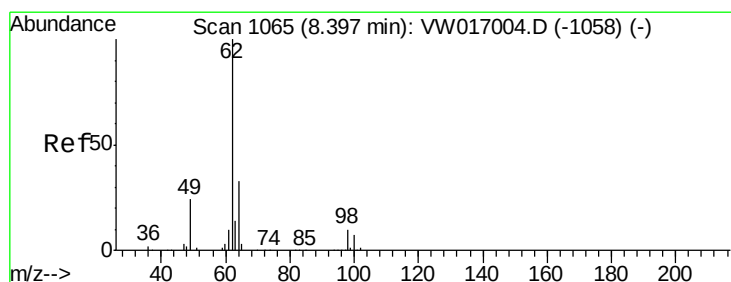
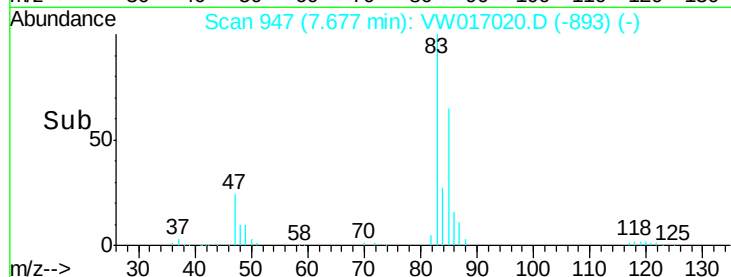
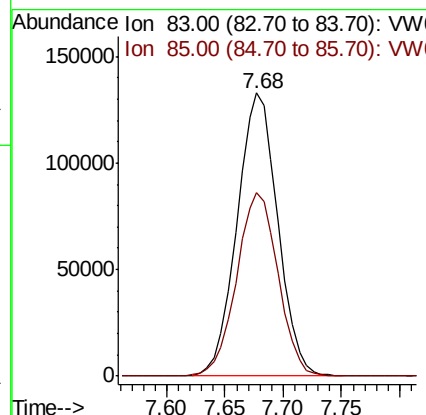
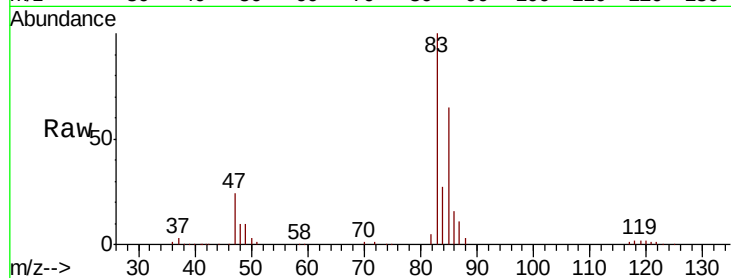
ClientSampled :

Tot Ion: 83 Resp: 323002

Ion Ratio Lower Upper

83 100

85 66.0 46.6 86.6



#27

1,2-Dichloroethane

Concen: 28.009 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW017020.D

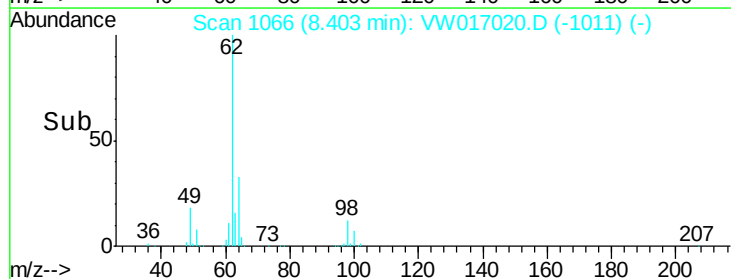
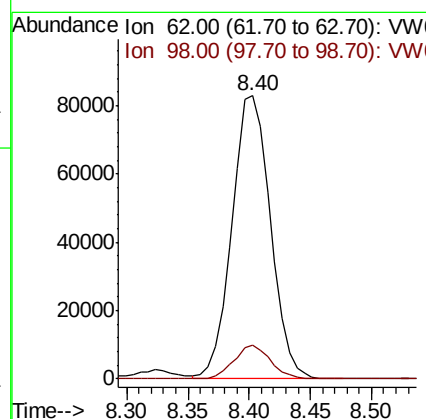
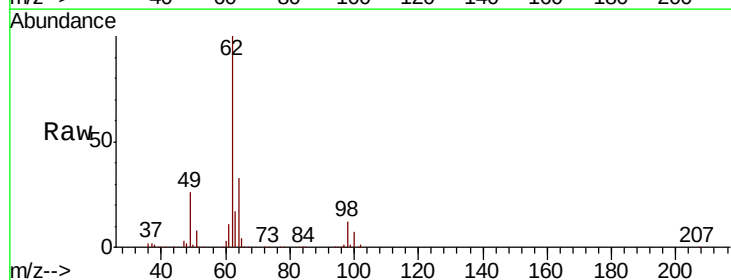
Acq: 29 Oct 2020 10:08

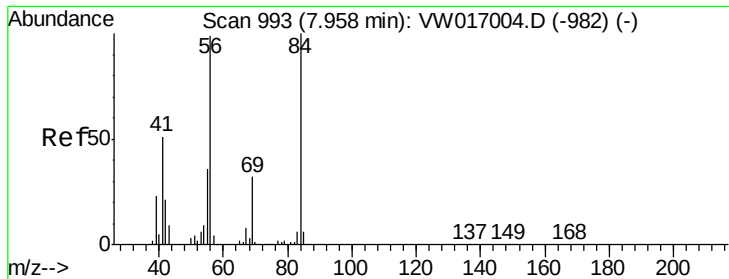
Tgt Ion: 62 Resp: 180950

Ion Ratio Lower Upper

62 100

98 11.8 8.5 12.7

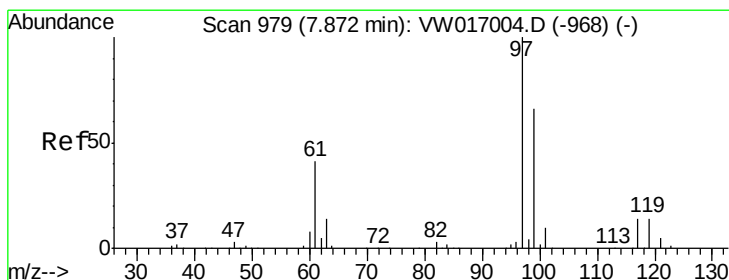
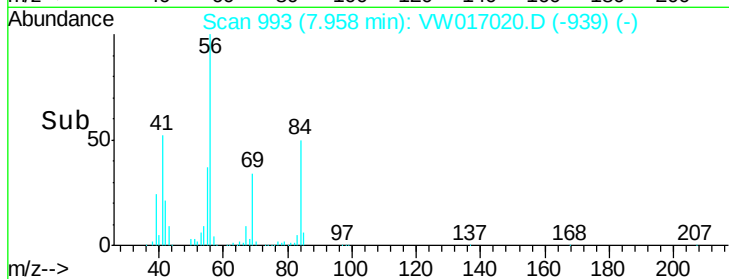
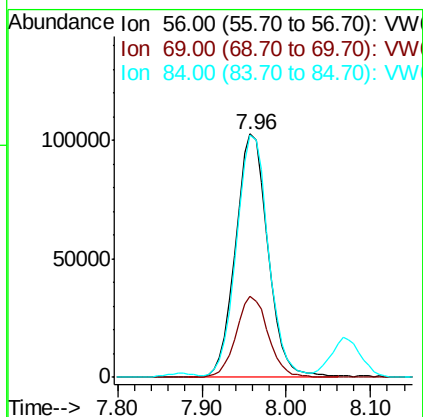
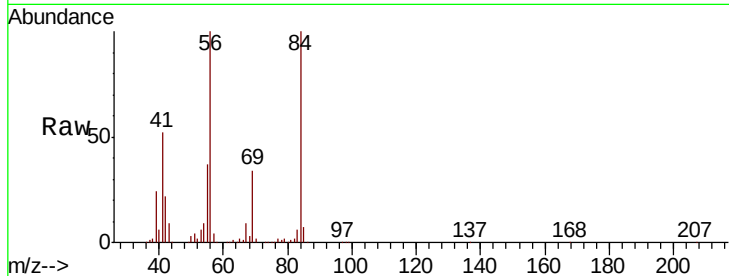




#30
Cyclohexane
Concen: 26.742 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

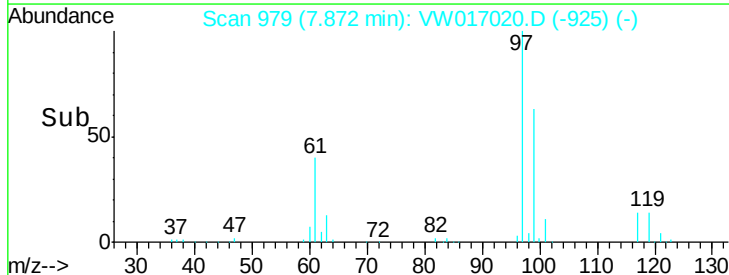
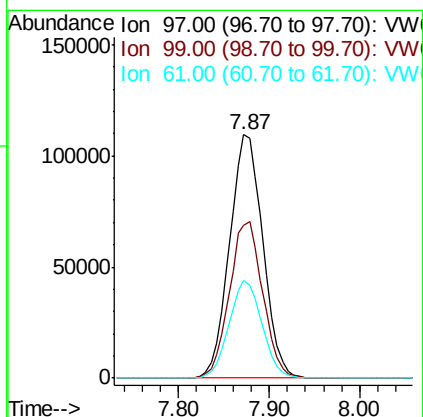
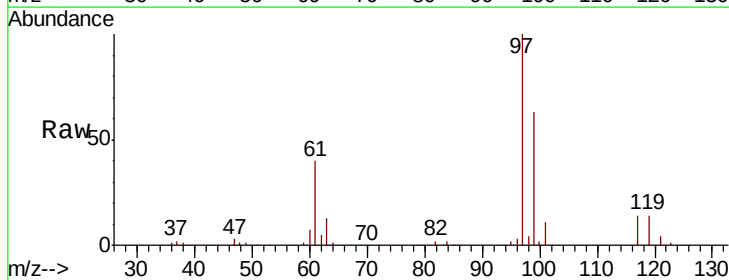
Instrument :
MSVOA_W
ClientSampled :

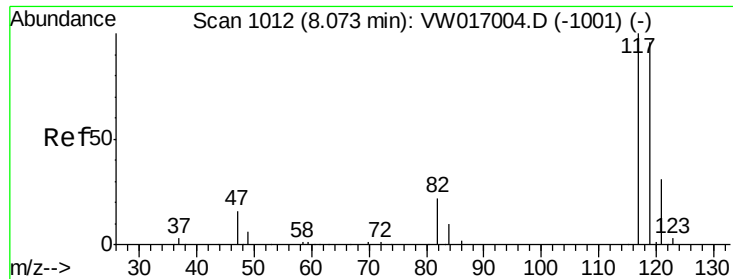
Tot Ion	56	Resp	267594
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.0	39.0
84	97.9	78.6	118.0



#31
1,1,1-Trichloroethane
Concen: 26.936 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

Tgt Ion	97	Resp	278968
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.3	76.9
61	39.8	31.8	47.8





#32

Carbon tetrachloride

Concen: 27.074 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

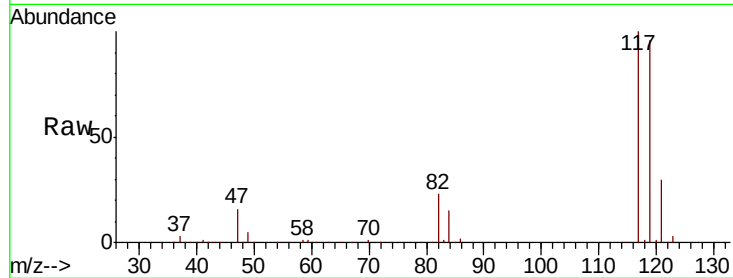
ClientSampleId :

Tot Ion:117 Resp: 269132

Ion Ratio Lower Upper

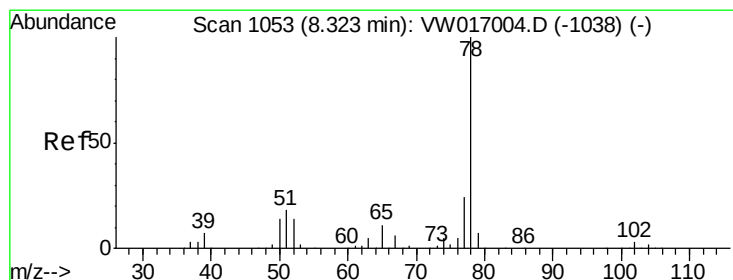
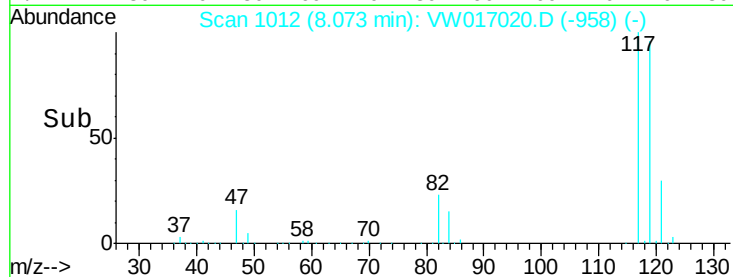
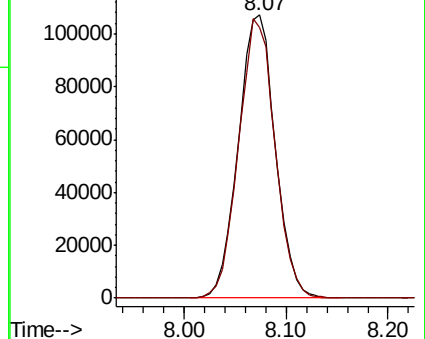
117 100

119 97.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.950 ug/L

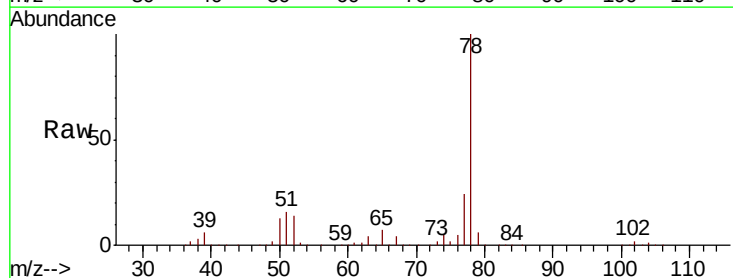
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

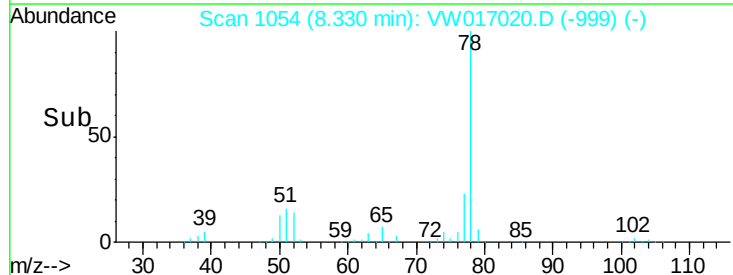
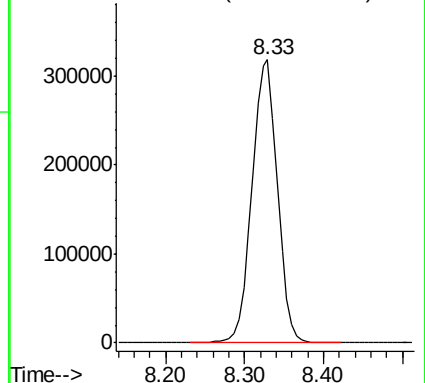
Lab File: VW017020.D

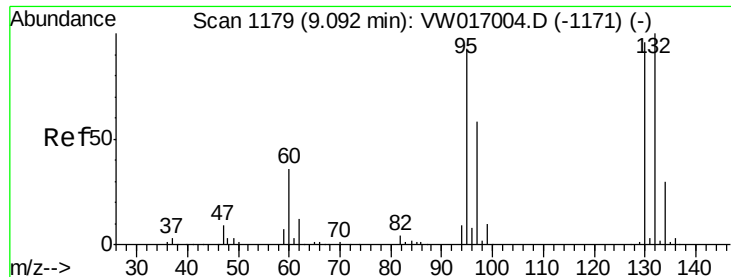
Acq: 29 Oct 2020 10:08

Tgt Ion: 78 Resp: 712212



Abundance Ion 78.00 (77.70 to 78.70): VW

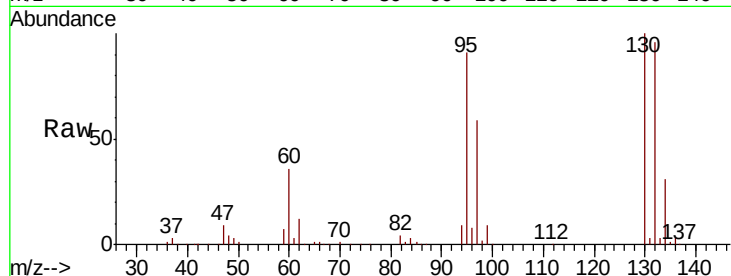




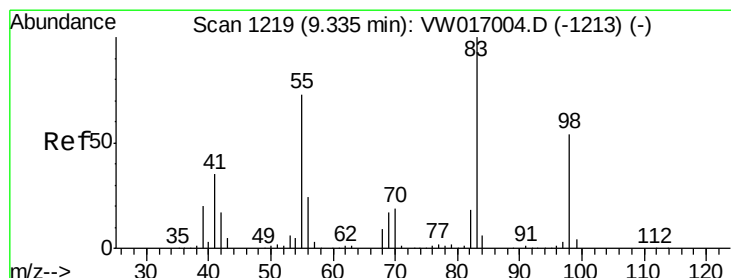
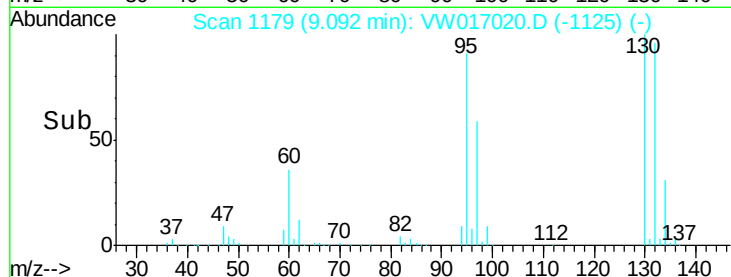
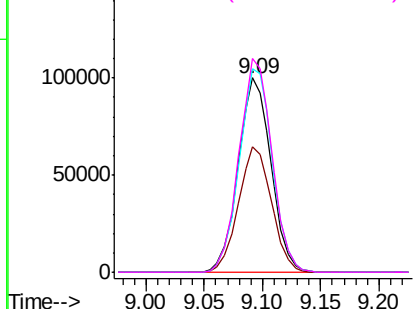
#35
 Trichloroethene
 Concen: 26.799 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 196138
 Ion Ratio Lower Upper
 95 100
 97 65.0 46.0 85.4
 132 105.6 73.9 137.3
 130 110.1 77.6 144.2

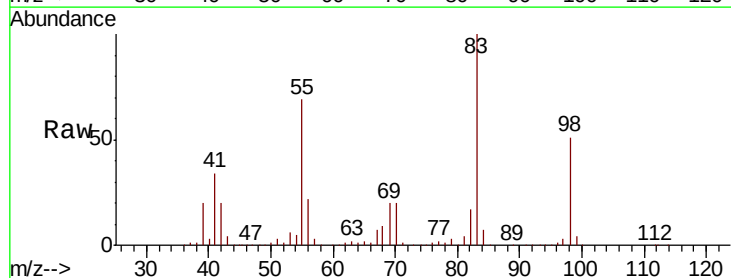


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

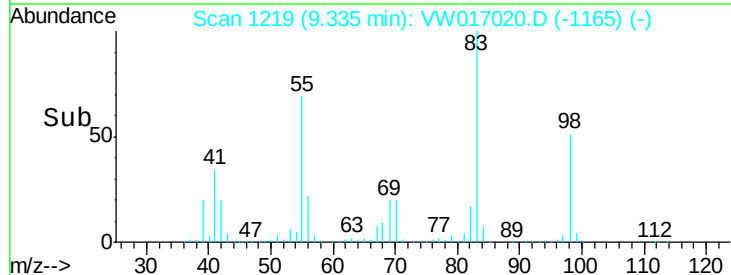
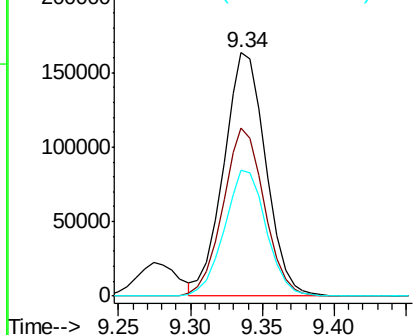


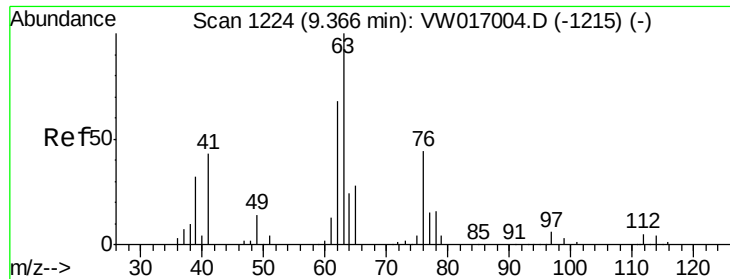
#36
 Methylcyclohexane
 Concen: 26.927 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion: 83 Resp: 330975
 Ion Ratio Lower Upper
 83 100
 55 68.4 54.5 81.7
 98 51.7 40.8 61.2



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

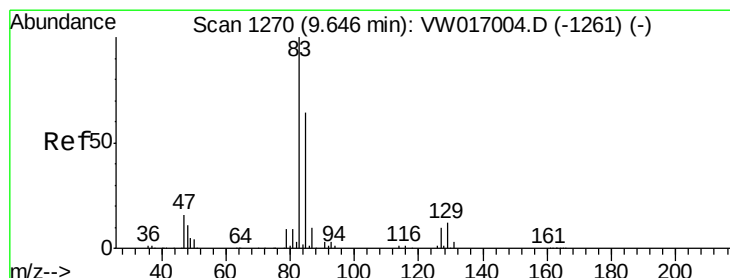
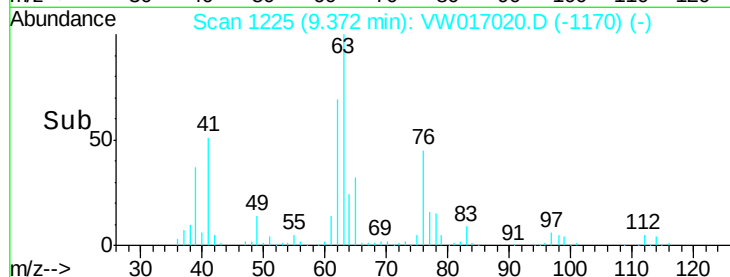
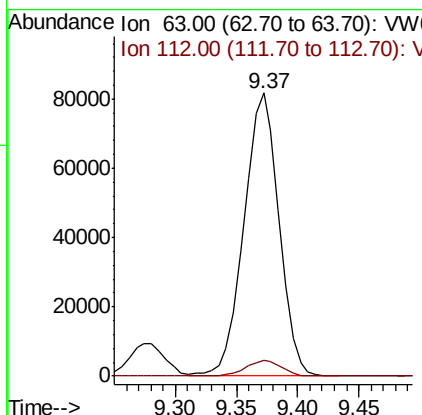
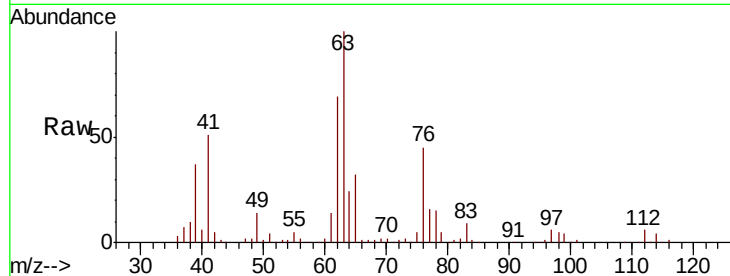




#40
 1,2-Dichloropropane
 Concen: 27.594 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

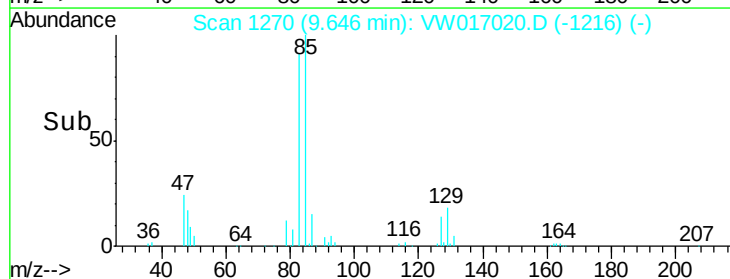
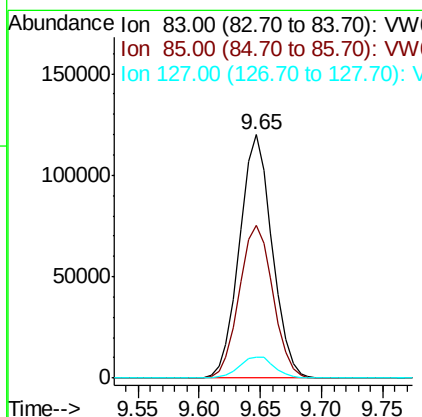
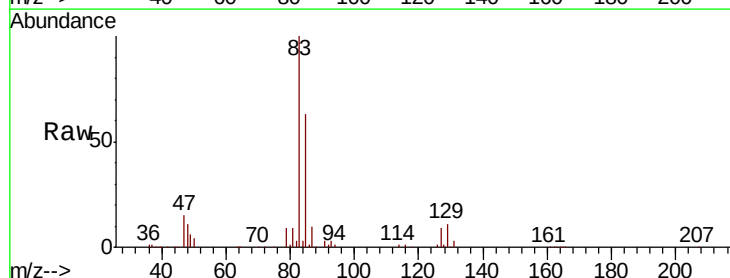
Instrument :
 MSVOA_W
 ClientSampled :

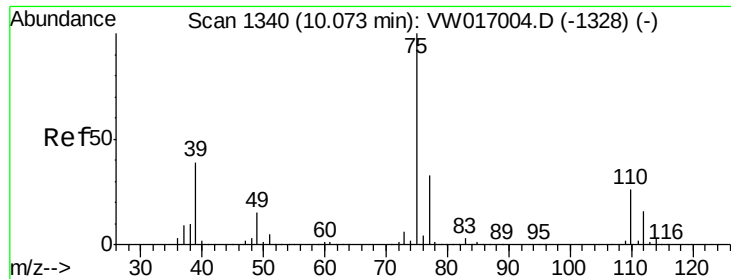
Tot Ion: 63 Resp: 162855
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.807 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion: 83 Resp: 222745
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.1 83.9
 127 8.8 7.8 11.6





#42

cis-1,3-Dichloropropene

Concen: 27.819 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

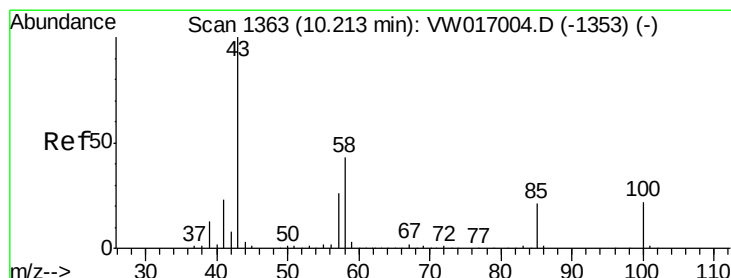
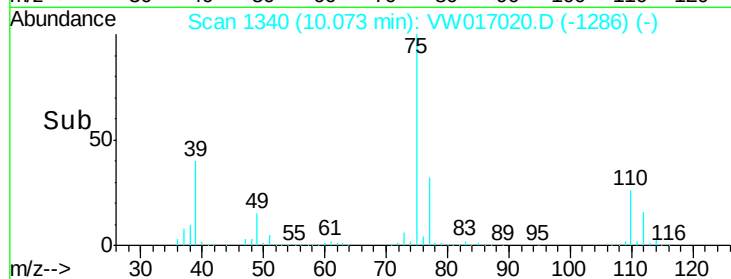
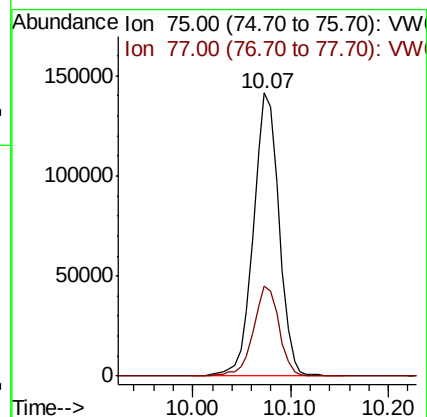
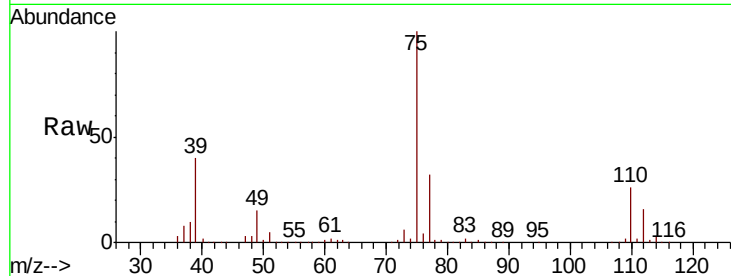
ClientSampled :

Tot Ion: 75 Resp: 256733

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 55.974 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

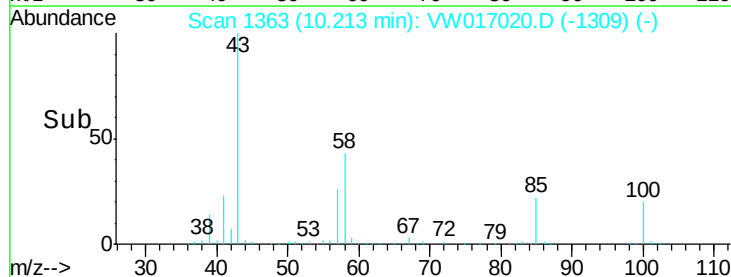
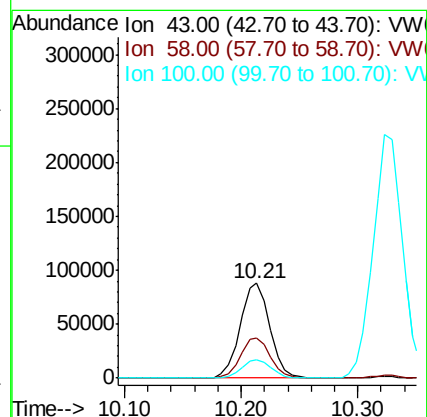
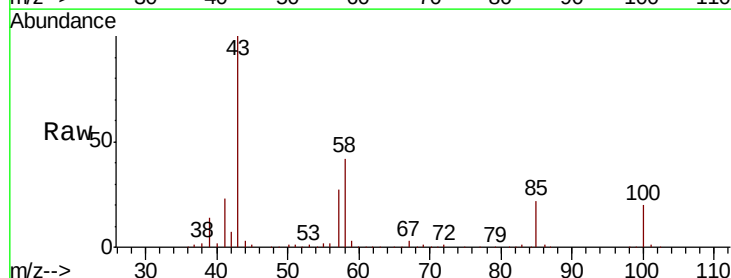
Tgt Ion: 43 Resp: 156590

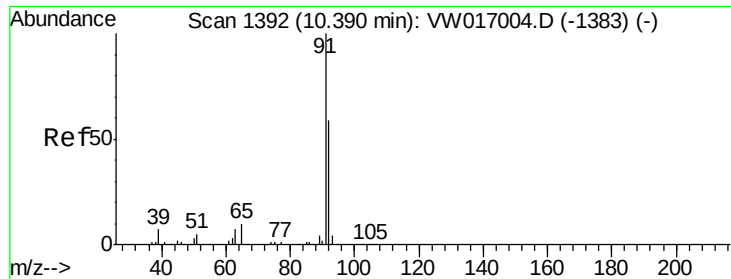
Ion Ratio Lower Upper

43 100

58 42.9 34.4 51.6

100 19.9 16.2 24.2





#44

Toluene

Concen: 27.531 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

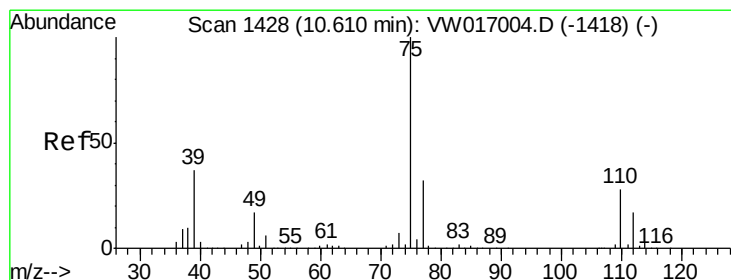
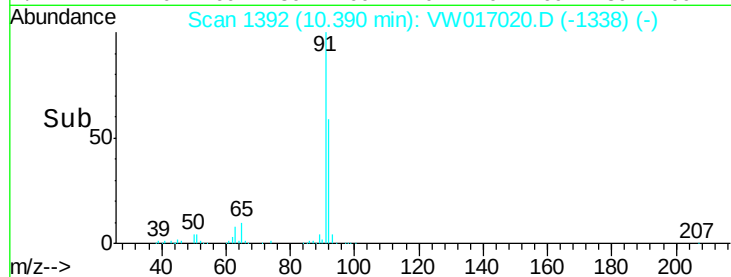
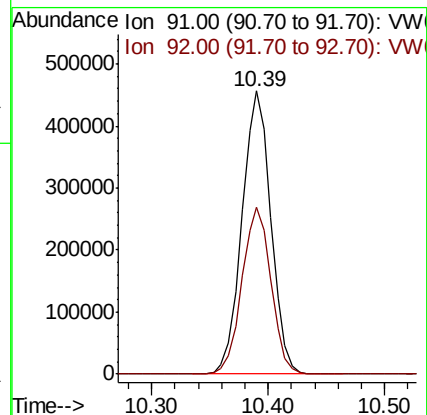
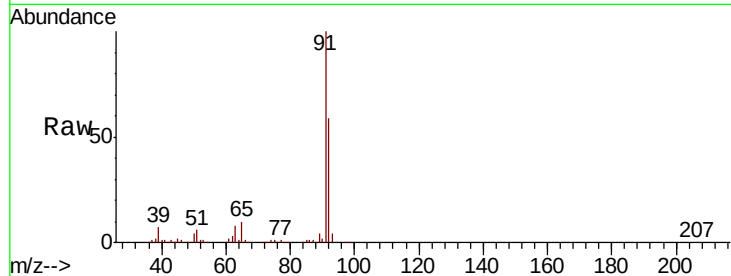
ClientSampled :

Tot Ion: 91 Resp: 788267

Ion Ratio Lower Upper

91 100

92 58.8 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 28.023 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017020.D

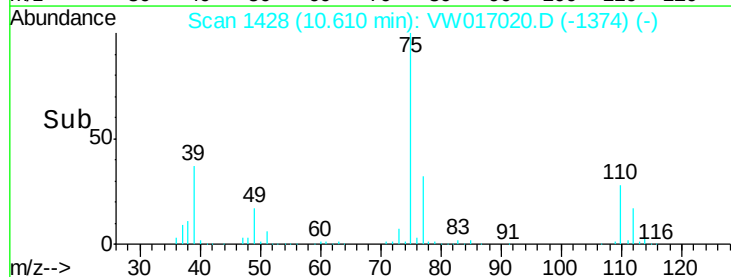
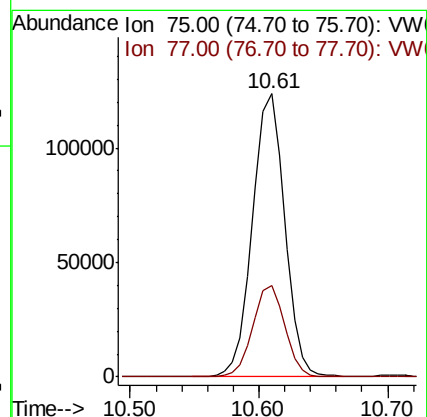
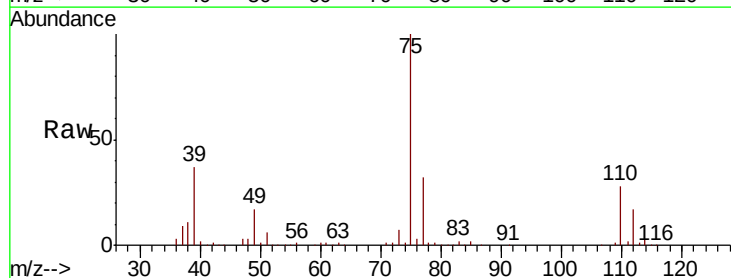
Acq: 29 Oct 2020 10:08

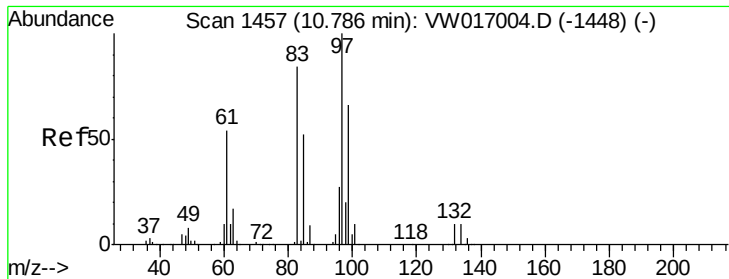
Tgt Ion: 75 Resp: 214230

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3

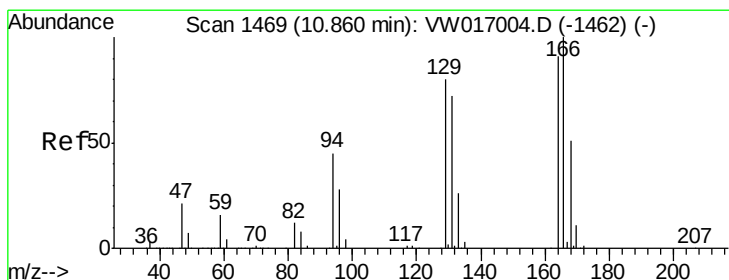
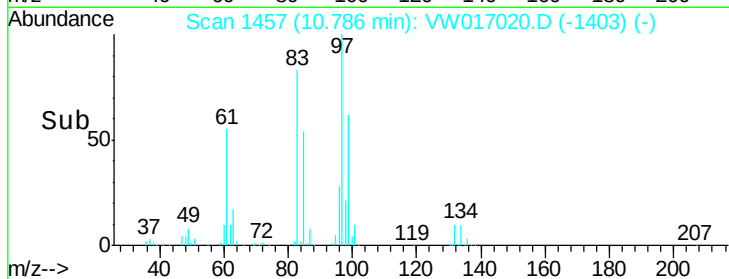
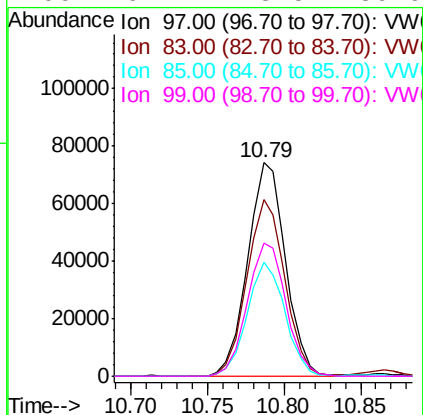
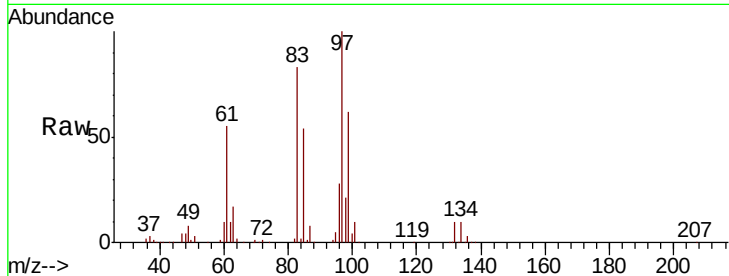




#46
 1,1,2-Trichloroethane
 Concen: 27.088 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

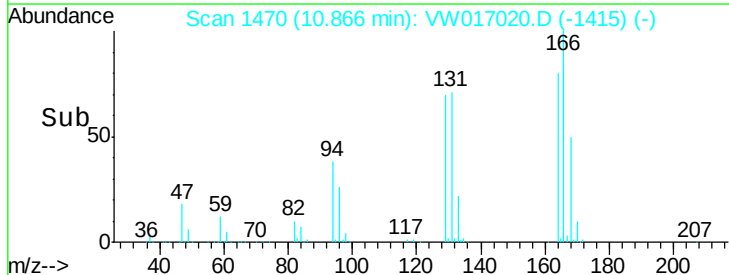
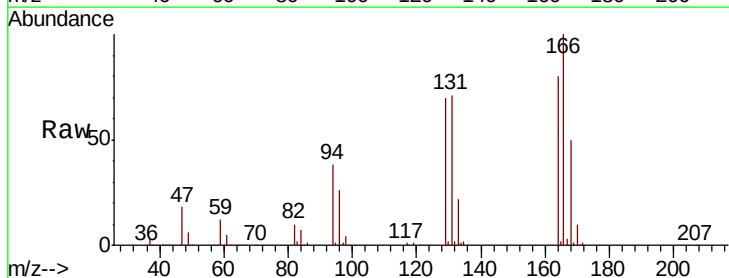
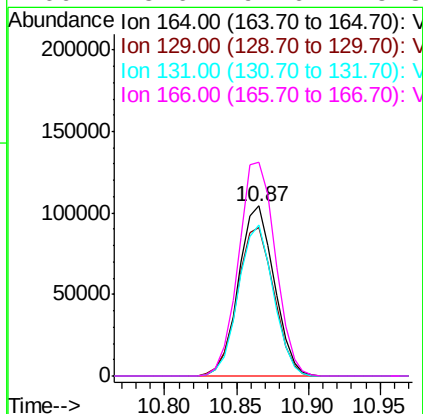
Instrument :
 MSVOA_W
 ClientSampleId :

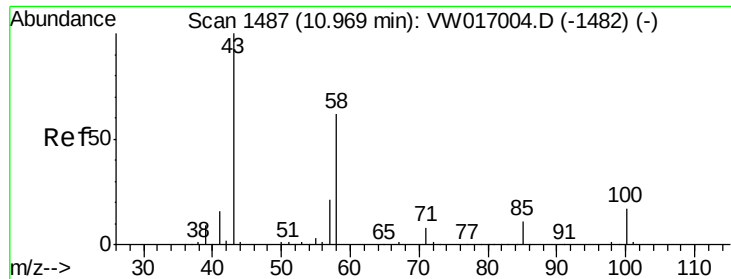
Tot Ion:	97	Resp:	127961
Ion	Ratio	Lower	Upper
97	100		
83	82.5	56.6	105.0
85	53.6	34.6	64.3
99	62.4	43.5	80.9



#47
 Tetrachloroethene
 Concen: 26.645 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion:	164	Resp:	179386
Ion	Ratio	Lower	Upper
164	100		
129	87.3	64.0	119.0
131	88.8	61.7	114.5
166	125.6	94.6	175.8





#49

2-Hexanone

Concen: 56.925 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 101493

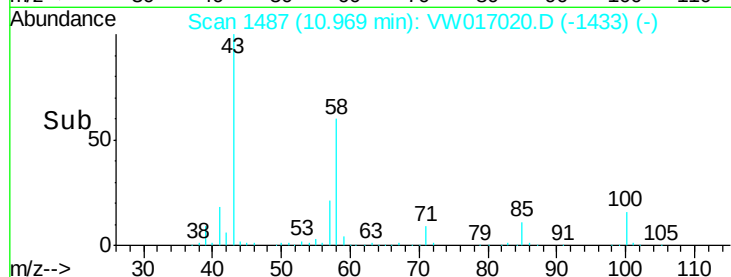
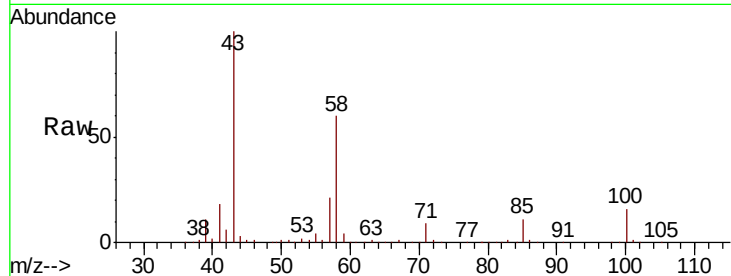
Ion Ratio Lower Upper

43 100

58 60.0 49.2 73.8

57 21.4 17.0 25.4

100 16.6 13.2 19.8

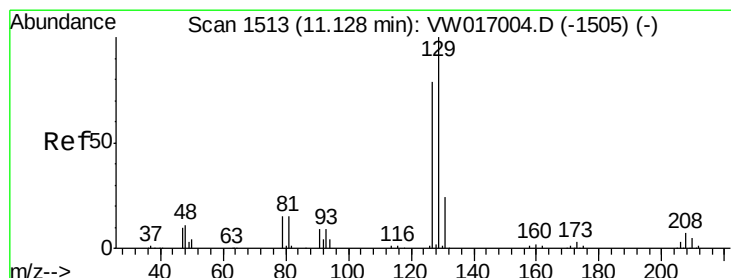
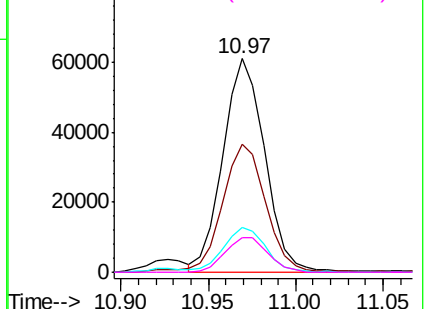


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 28.317 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017020.D

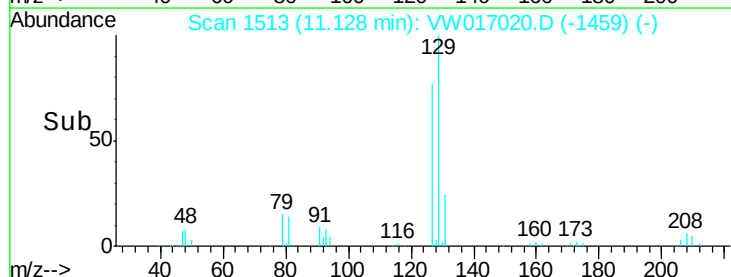
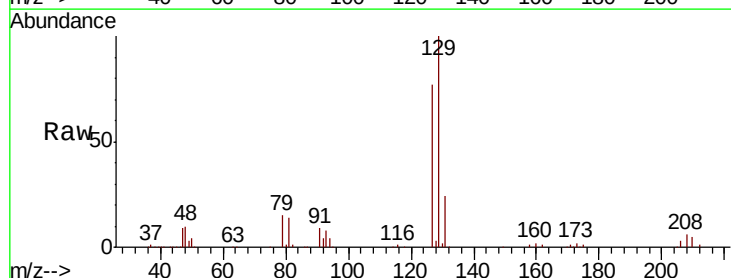
Acq: 29 Oct 2020 10:08

Tgt Ion: 129 Resp: 162956

Ion Ratio Lower Upper

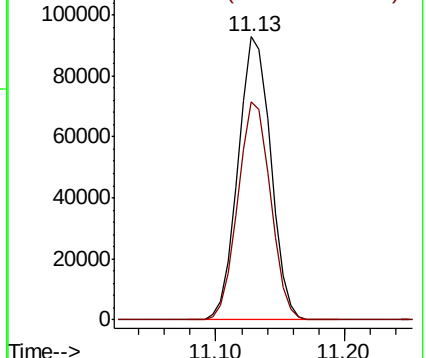
129 100

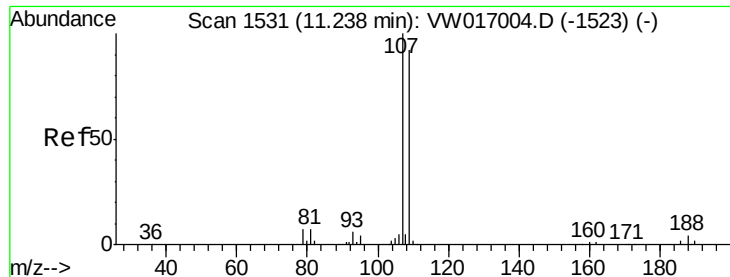
127 77.3 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

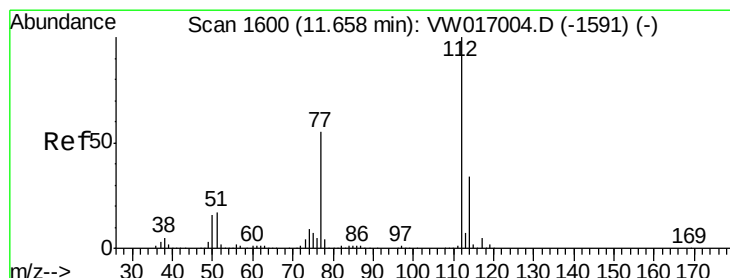
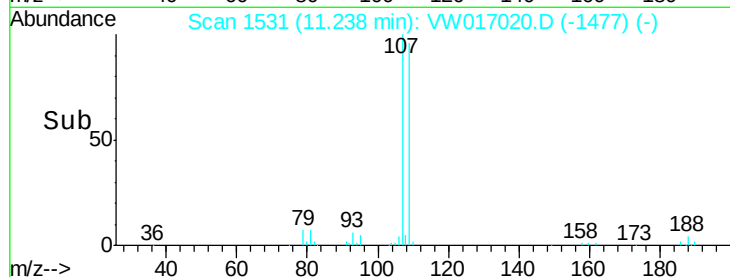
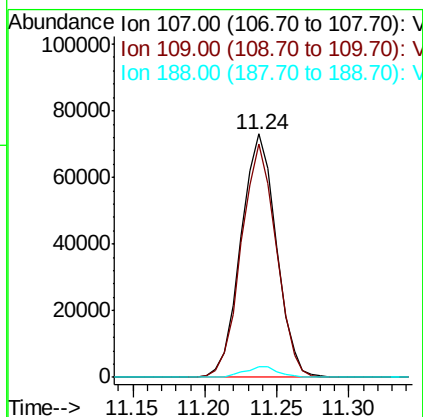
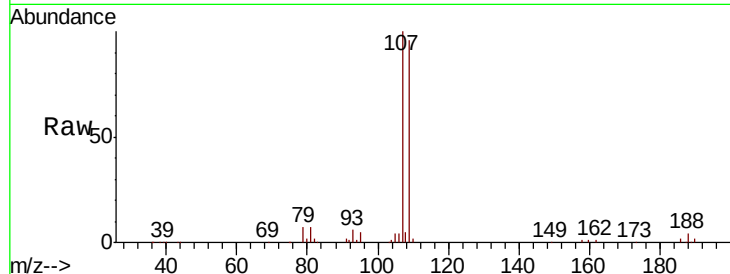




#51
 1,2-Dibromoethane
 Concen: 27.668 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

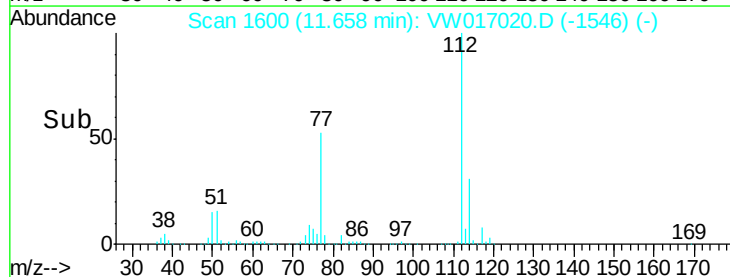
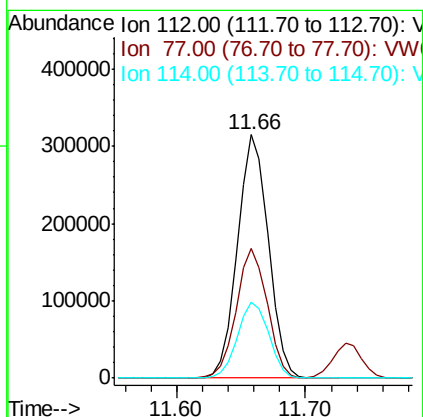
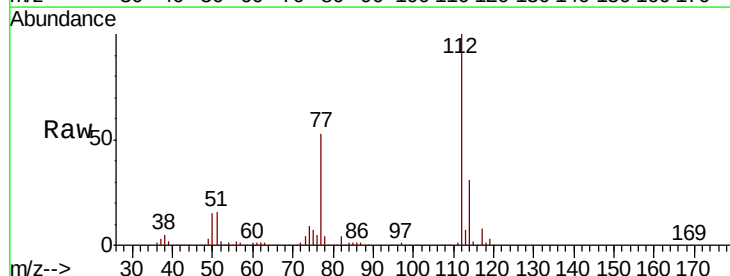
Instrument :
 MSVOA_W
 ClientSampleId :

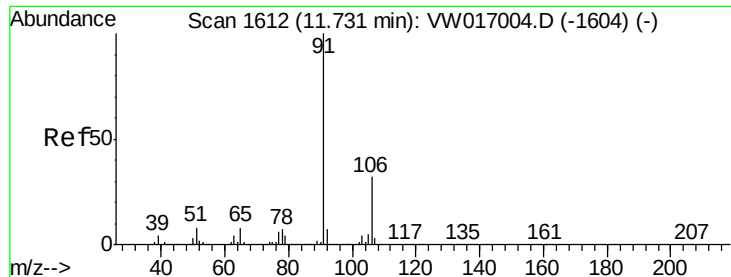
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	65.7	121.9
188	4.4	3.1	4.7



#52
 Chlorobenzene
 Concen: 27.216 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.4	42.5	63.7
114	31.4	22.3	41.3





#53

Ethylbenzene

Concen: 27.508 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

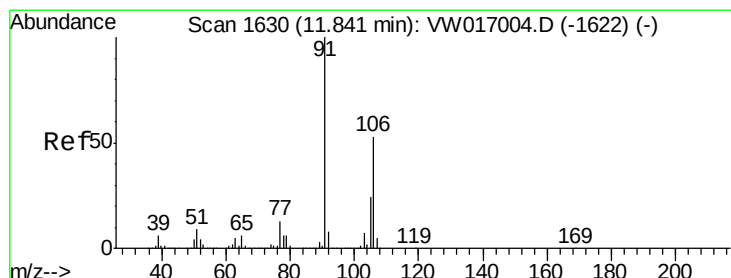
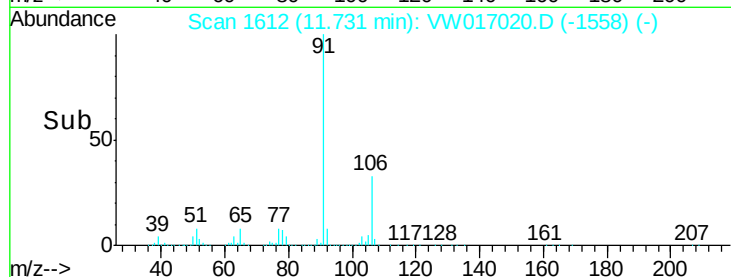
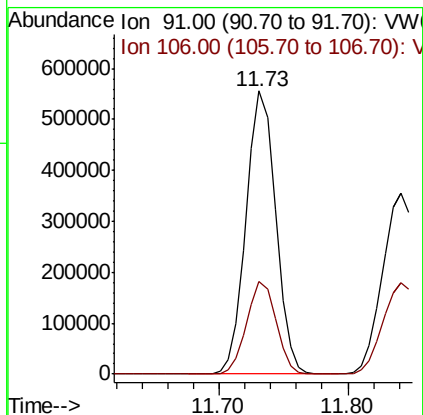
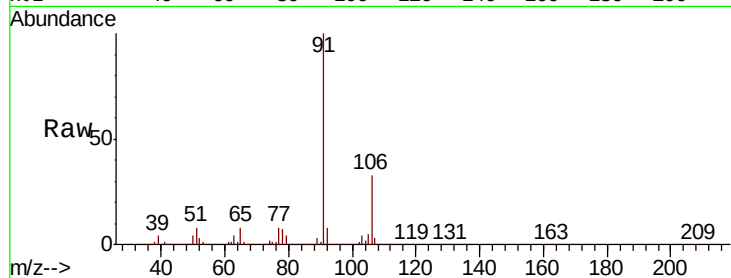
ClientSampleId :

Tot Ion: 91 Resp: 884512

Ion Ratio Lower Upper

91 100

106 32.7 22.5 41.7



#54

m,p-Xylene

Concen: 27.268 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017020.D

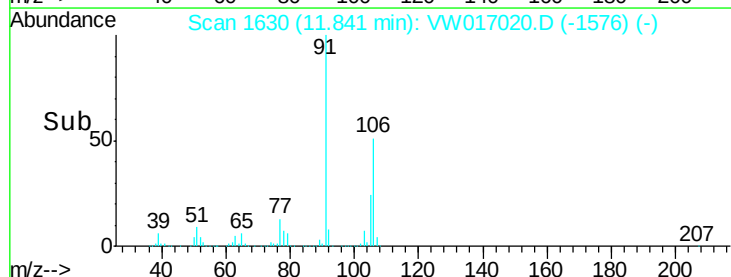
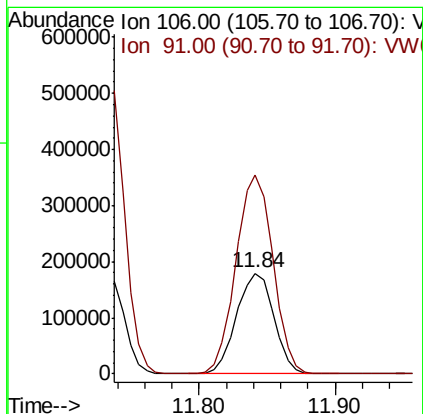
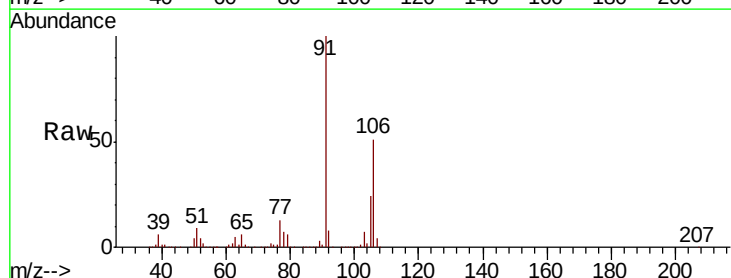
Acq: 29 Oct 2020 10:08

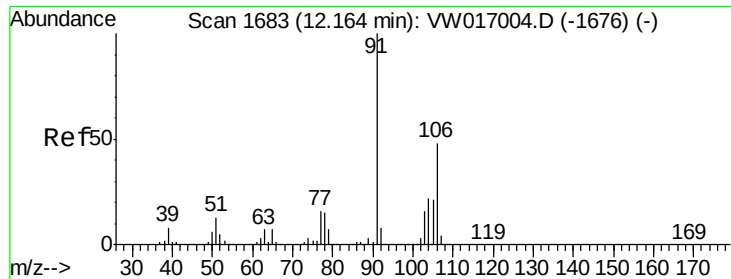
Tgt Ion: 106 Resp: 344941

Ion Ratio Lower Upper

106 100

91 197.3 134.2 249.2

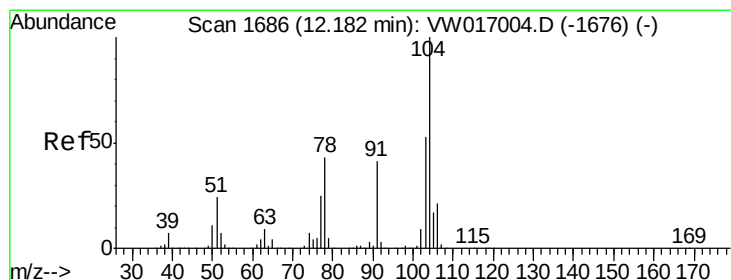
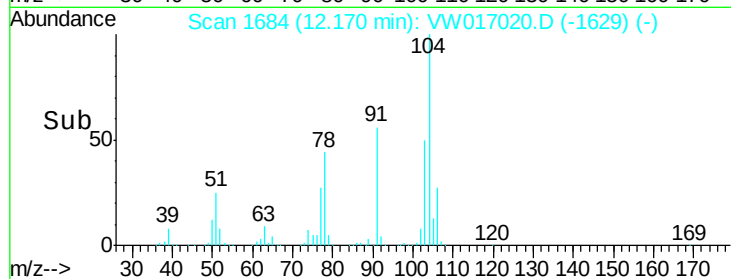
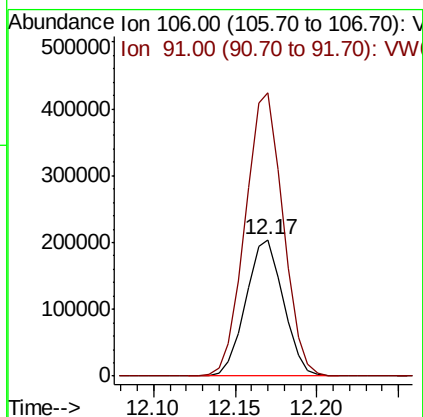
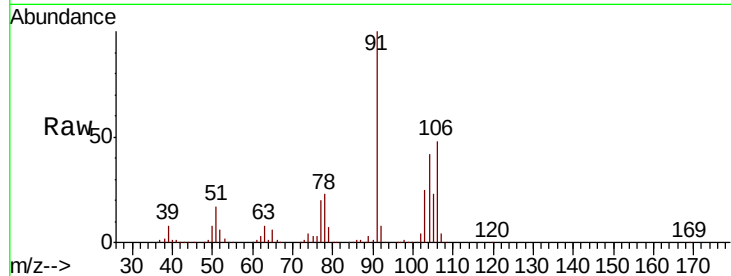




#55
o-xylene
Concen: 27.965 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

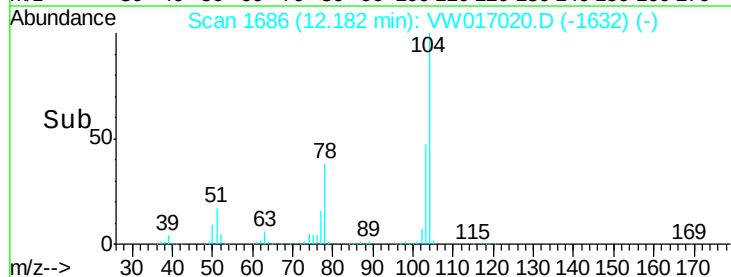
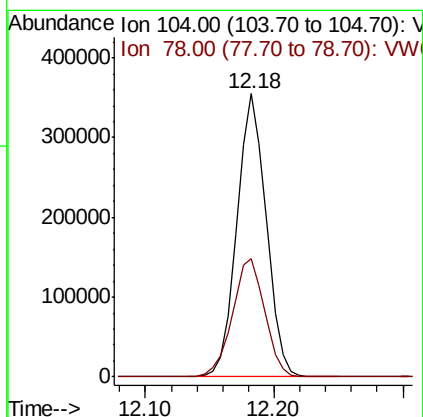
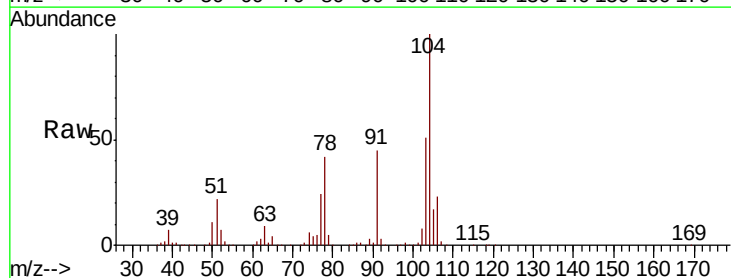
Instrument :
MSVOA_W
ClientSampled :

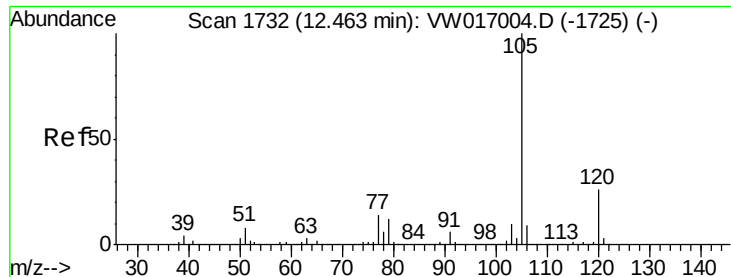
Tot Ion:106 Resp: 327708
Ion Ratio Lower Upper
106 100
91 207.1 150.9 280.3



#56
Styrene
Concen: 28.473 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017020.D
Acq: 29 Oct 2020 10:08

Tgt Ion:104 Resp: 558183
Ion Ratio Lower Upper
104 100
78 41.9 29.3 54.5





#57

Isopropylbenzene

Concen: 28.295 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

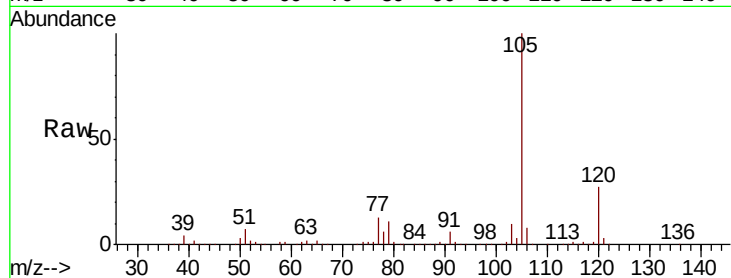
Tot Ion:105 Resp: 917130

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

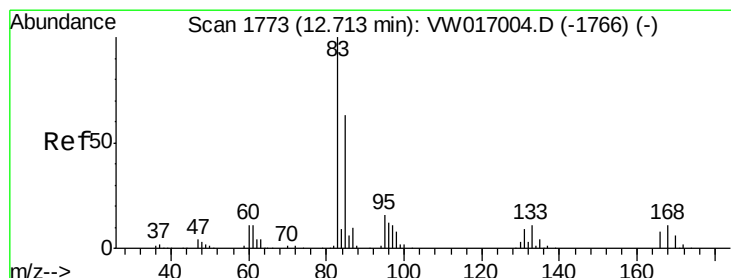
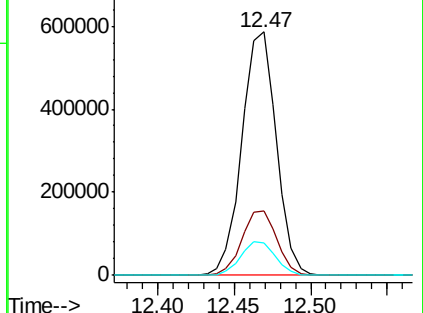
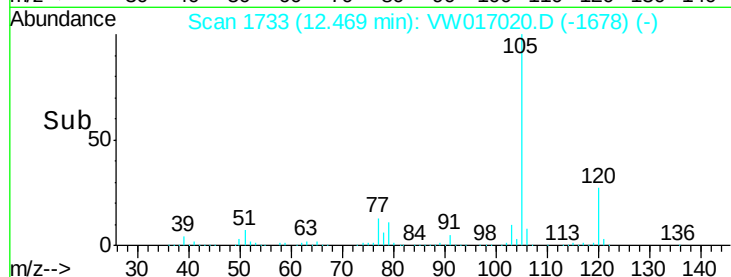
77 14.1 11.4 17.2



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: 27.758 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

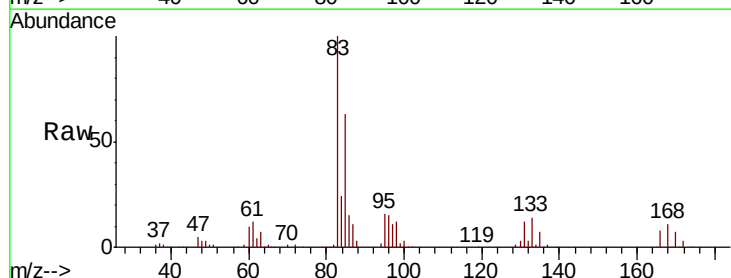
Tgt Ion: 83 Resp: 140742

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

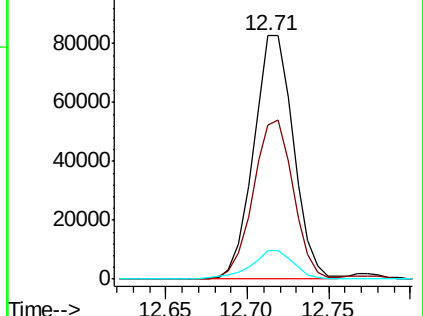
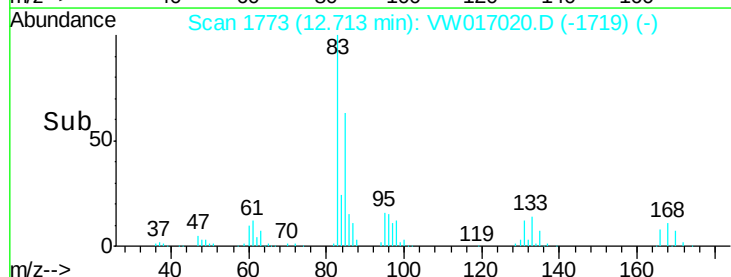
131 11.7 9.1 13.7

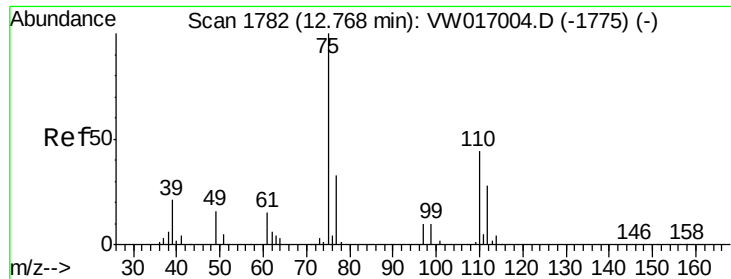


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

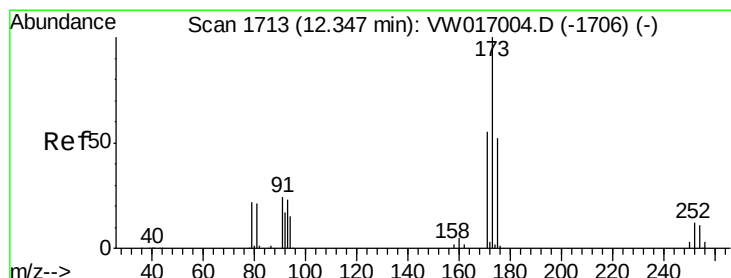
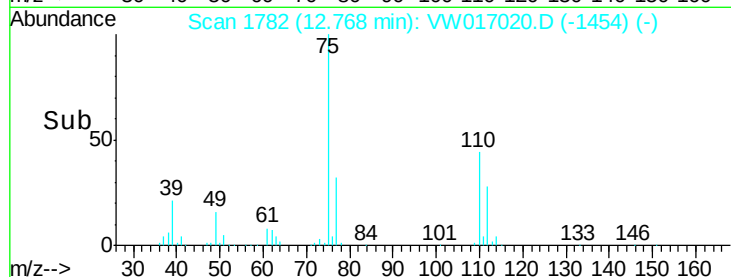
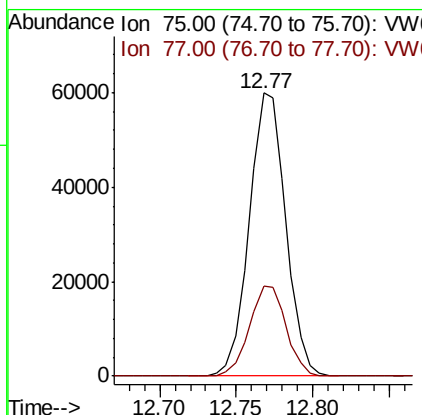
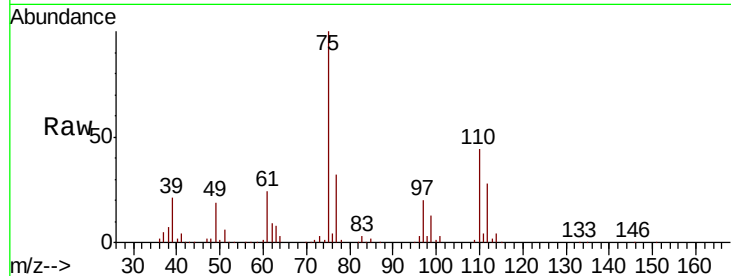




#59
 1,2,3-Trichloropropane
 Concen: 27.356 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

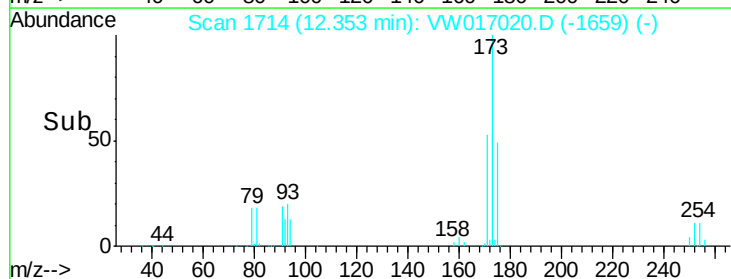
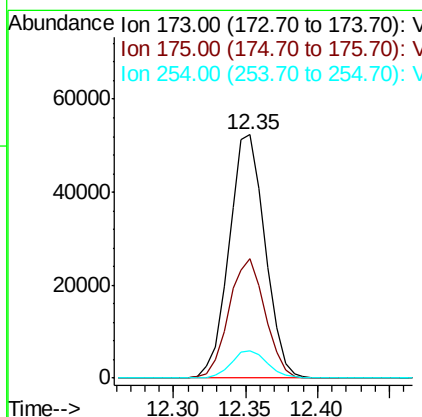
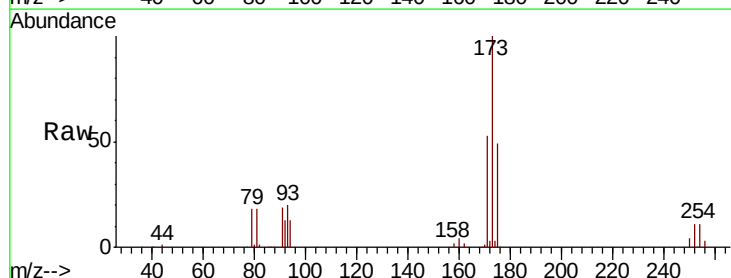
Instrument :
 MSVOA_W
 ClientSampleId :

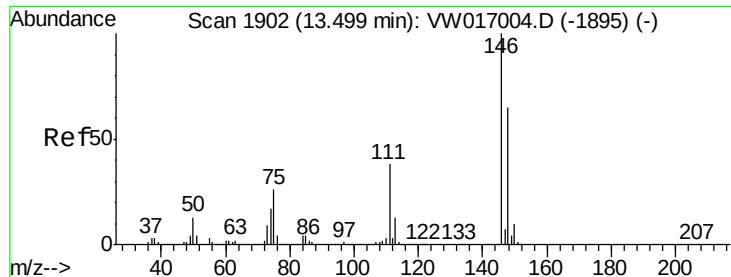
Tot Ion: 75 Resp: 99261
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#62
 Bromoform
 Concen: 26.536 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion: 173 Resp: 91299
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.3 57.5
 254 11.3 7.8 11.6

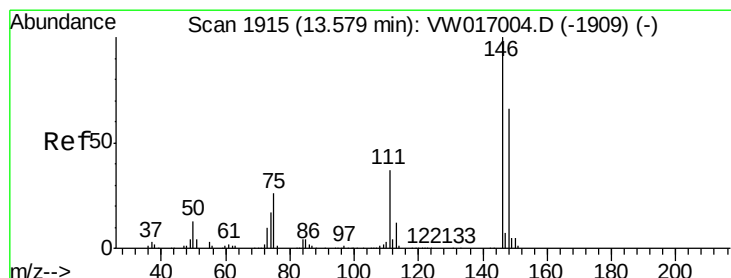
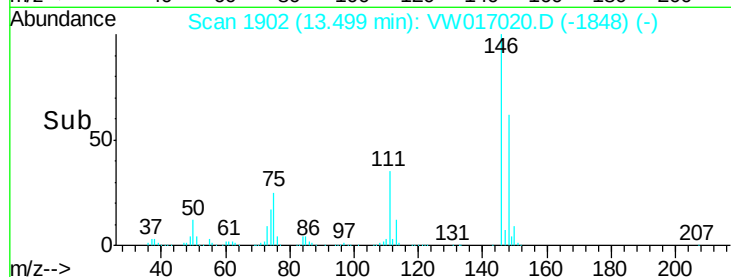
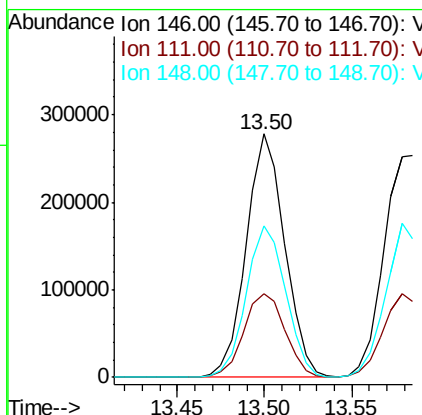
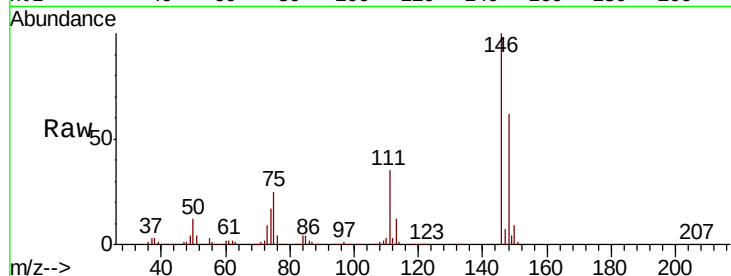




#63
 1,3-Dichlorobenzene
 Concen: 26.975 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

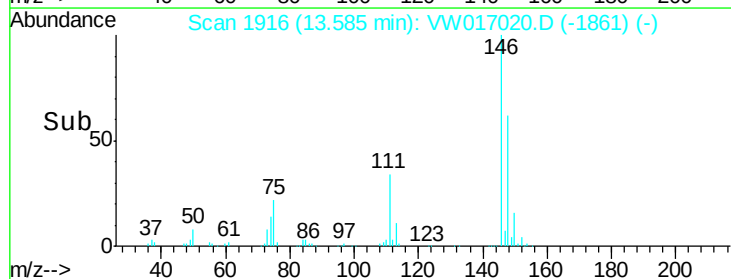
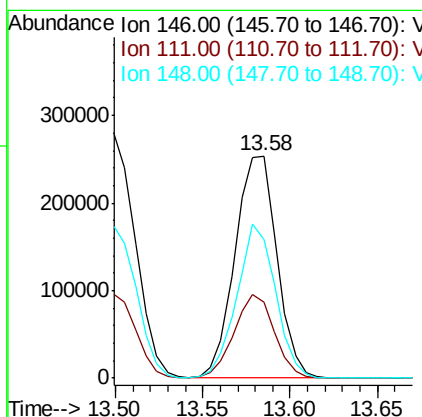
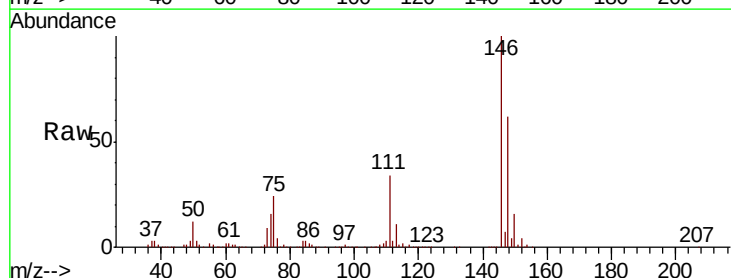
Instrument :
 MSVOA_W
 ClientSampleId :

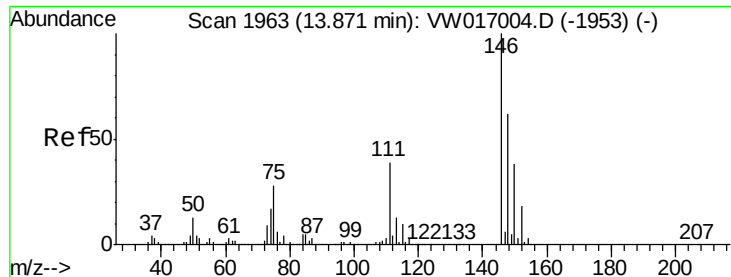
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	25.5	47.3
148	62.4	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 26.902 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	25.7	47.7
148	62.1	44.3	82.3

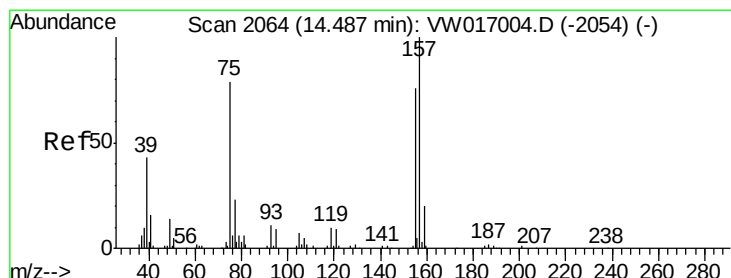
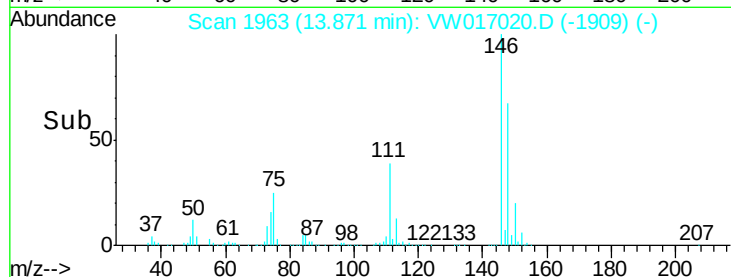
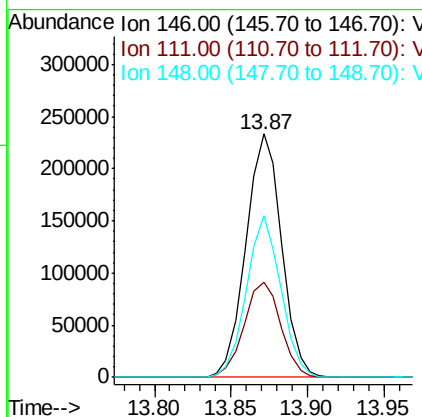
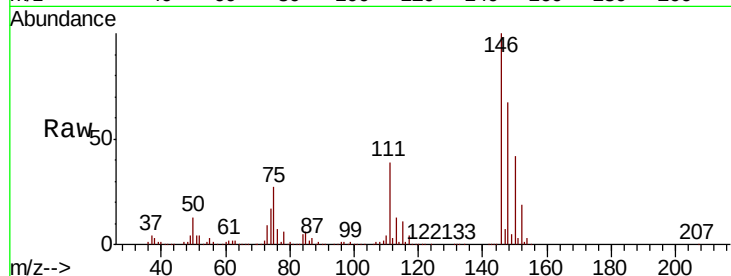




#65
 1,2-Dichlorobenzene
 Concen: 27.135 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

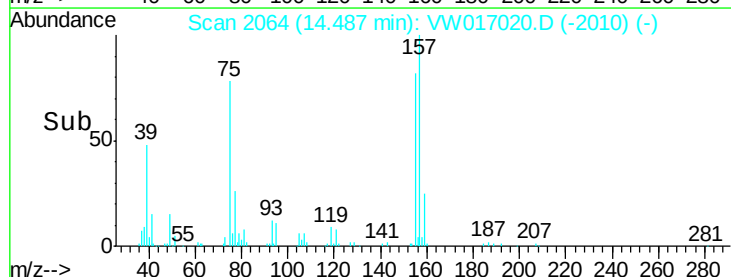
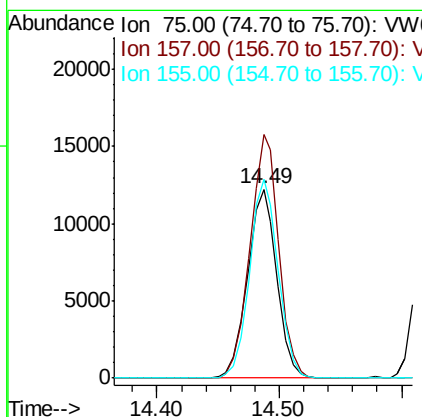
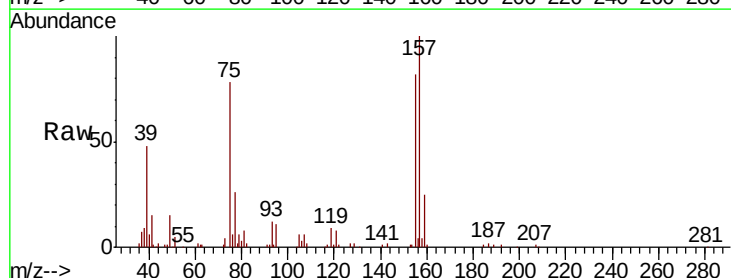
Instrument :
 MSVOA_W
 ClientSampleId :

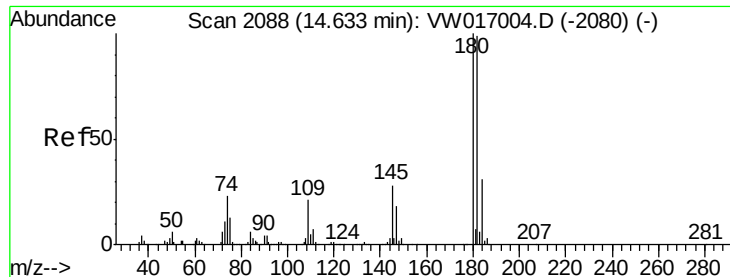
Tot Ion:146 Resp: 378170
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.4 47.0
 148 66.6 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.777 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion: 75 Resp: 20300
 Ion Ratio Lower Upper
 75 100
 157 128.9 102.5 153.7
 155 105.5 80.3 120.5

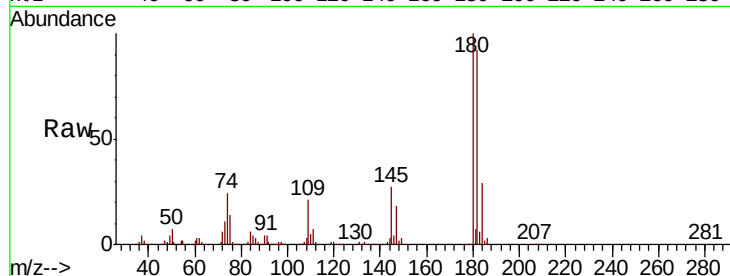




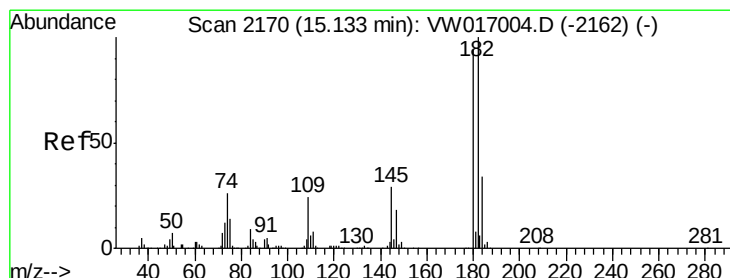
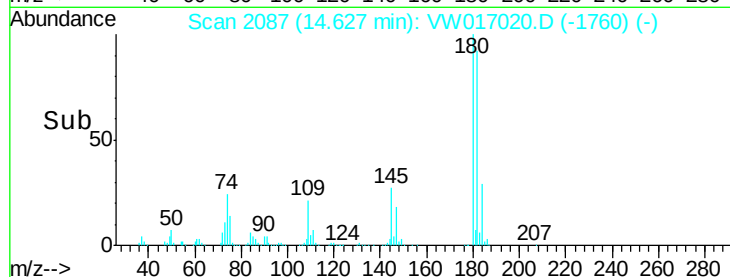
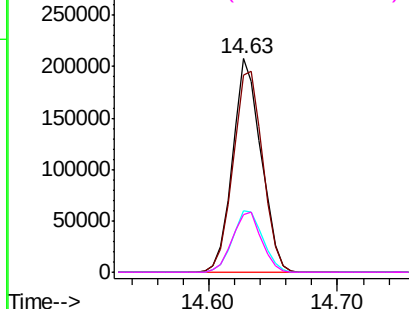
#67
 1,3,5-Trichlorobenzene
 Concen: 27.586 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	318975
Ion	Ratio	Lower Upper
180	100	
182	98.0	77.4 116.0
184	30.4	24.8 37.2
145	28.8	23.4 35.2

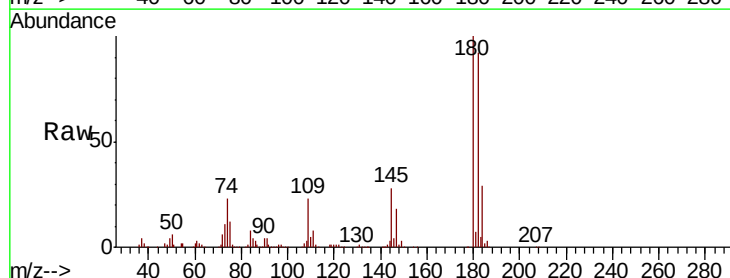


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

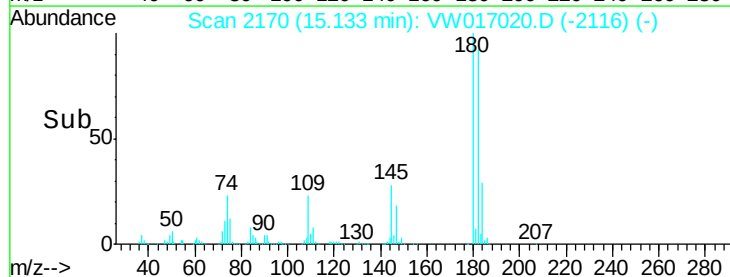
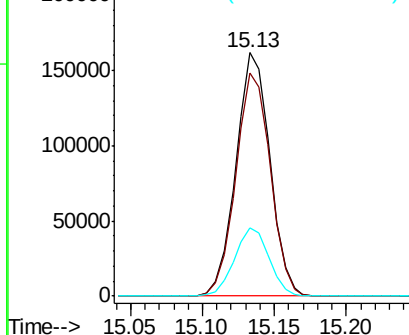


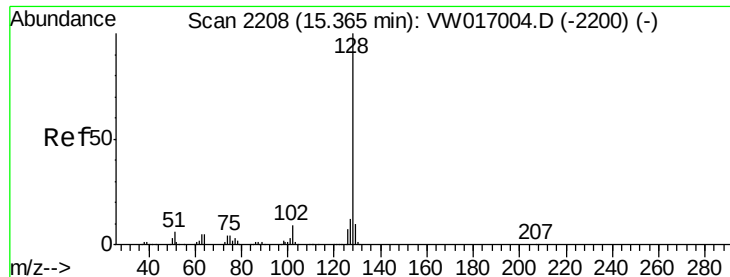
#68
 1,2,4-trichlorobenzene
 Concen: 29.603 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017020.D
 Acq: 29 Oct 2020 10:08

Tgt Ion:180	Resp:	265323
Ion	Ratio	Lower Upper
180	100	
182	93.2	76.6 114.8
145	28.5	23.4 35.0



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: 29.158 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

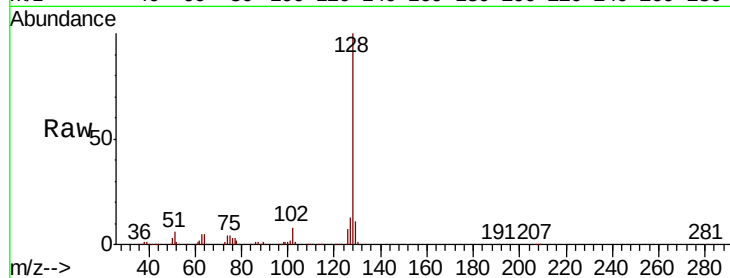
Tot Ion:128 Resp: 423897

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

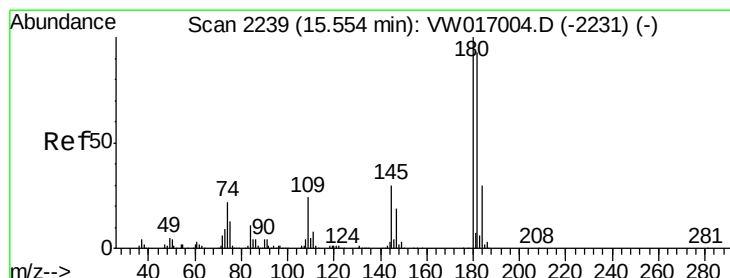
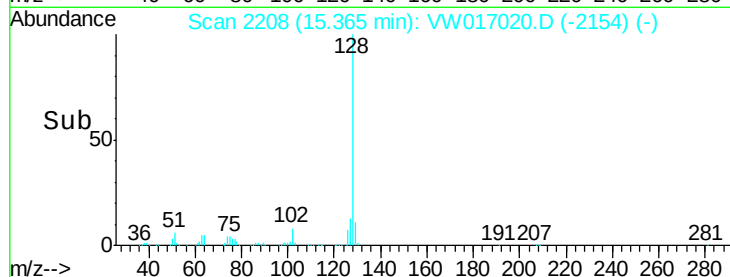
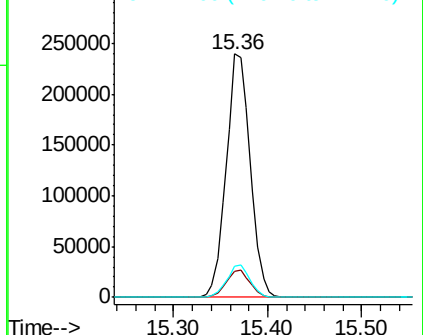
127 12.9 10.0 15.0



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: 28.825 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017020.D

Acq: 29 Oct 2020 10:08

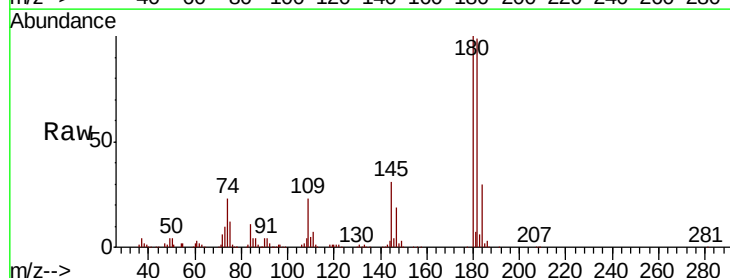
Tgt Ion:180 Resp: 225133

Ion Ratio Lower Upper

180 100

182 97.7 76.8 115.2

145 31.3 25.4 38.2



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

