

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102820\
 Data File : VW017018.D
 Acq On : 28 Oct 2020 19:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 09:09:59 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	468066	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	445219	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	226141	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	110889	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.12%
7) Chloroethane-d5	2.89	69	94897	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	4.03	63	242388	23.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.28%
20) 2-Butanone-d5	7.09	46	59105	58.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.16%
24) Chloroform-d	7.65	84	267150	24.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	8.31	65	128192	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.92%
29) Benzene-d6	8.27	84	534736	23.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.52%
33) 1,2-Dichloropropane-d6	9.27	67	149392	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
37) Toluene-d8	10.32	98	511129	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.96%
38) trans-1,3-Dichloropropene-	10.58	79	63585	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.08%
39) 2-Hexanone-d5	10.93	63	51412	59.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124875	26.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	195308	24.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	134400	25.174	ug/L 99
3) Chloromethane	2.21	50	111706	24.241	ug/L 99
5) Vinyl chloride	2.37	62	175090	25.942	ug/L 99
6) Bromomethane	2.78	94	118594	25.872	ug/L 100
8) Chloroethane	2.93	64	103566	26.663	ug/L 96
9) Trichlorofluoromethane	3.26	101	125362	23.418	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	170145	26.370	ug/L 99
12) 1,1-Dichloroethene	4.05	96	159938	26.103	ug/L 92
13) Acetone	4.13	43	38755	56.598	ug/L 100
14) Carbon disulfide	4.39	76	462038	24.874	ug/L 98
15) Methyl Acetate	4.67	43	51554	28.838	ug/L 99
16) Methylene chloride	4.92	84	161889	26.159	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	179553	26.883	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	170958	26.678	ug/L 98
19) 1,1-Dichloroethane	6.22	63	269170	27.428	ug/L 99
21) 2-Butanone	7.17	43	66320	57.874	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	177319	27.370	ug/L 98

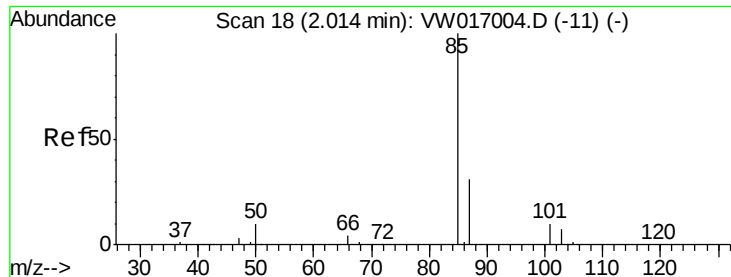
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102820\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 08:01:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	84241	28.168	ug/L	97
25) Chloroform	7.68	83	288187	27.585	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165769	27.863	ug/L	98
30) Cyclohexane	7.96	56	237044	25.452	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	243357	25.247	ug/L	99
32) Carbon tetrachloride	8.07	117	240981	26.047	ug/L	98
34) Benzene	8.32	78	639362	25.995	ug/L	100
35) Trichloroethene	9.09	95	176602	25.926	ug/L	98
36) Methylcyclohexane	9.34	83	298563	26.099	ug/L	99
40) 1,2-Dichloropropane	9.37	63	147951	26.935	ug/L	100
41) Bromodichloromethane	9.65	83	200860	26.942	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	228983	26.659	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	148154	56.901	ug/L	98
44) Toluene	10.39	91	713224	26.765	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	196406	27.604	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	119777	27.243	ug/L	97
47) Tetrachloroethene	10.87	164	158761	25.337	ug/L	98
49) 2-Hexanone	10.97	43	97051	58.487	ug/L	99
50) Dibromochloromethane	11.13	129	150621	28.122	ug/L	98
51) 1,2-Dibromoethane	11.24	107	115978	27.669	ug/L	99
52) Chlorobenzene	11.66	112	477605	26.811	ug/L	100
53) Ethylbenzene	11.73	91	799391	26.712	ug/L	98
54) m,p-Xylene	11.84	106	313766	26.650	ug/L	98
55) o-xylene	12.17	106	295717	27.114	ug/L	92
56) Styrene	12.18	104	514394	28.193	ug/L	99
57) Isopropylbenzene	12.46	105	811857	26.912	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	133052	28.195	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94098	27.863	ug/L	99
62) Bromoform	12.35	173	87627	27.575	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	374377	25.657	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	379898	26.118	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	349645	27.163	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.48	75	19751	28.207	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	298530	27.953	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	239061	28.879	ug/L	98
69) Naphthalene	15.36	128	410626	30.581	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	201328	27.909	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 25.174 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

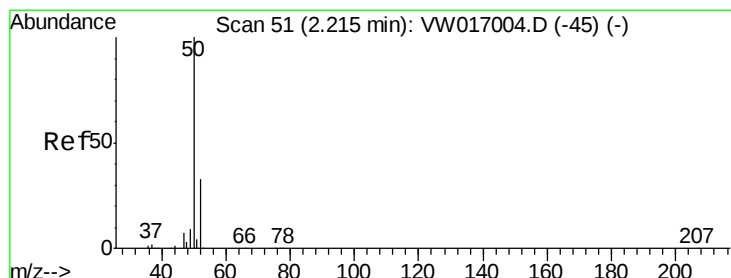
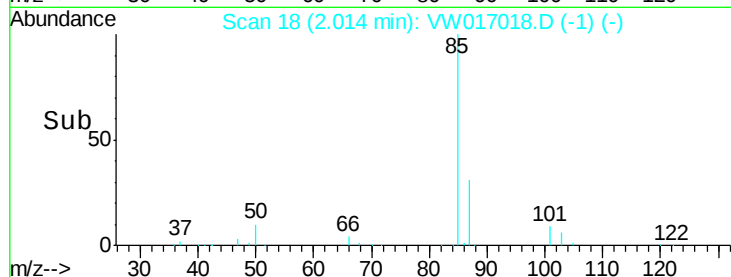
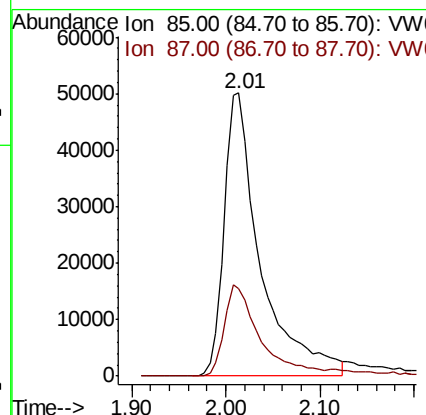
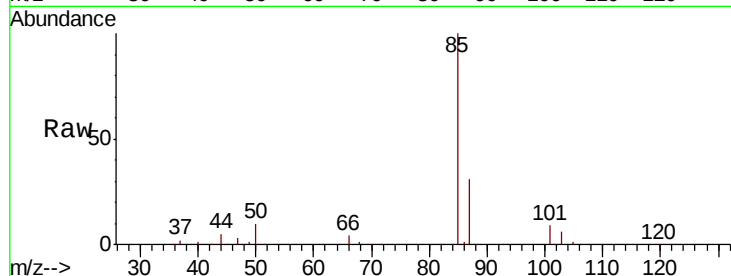
ClientSampled :

Tot Ion: 85 Resp: 134400

Ion Ratio Lower Upper

85 100

87 31.7 22.4 41.6



#3

Chloromethane

Concen: 24.241 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017018.D

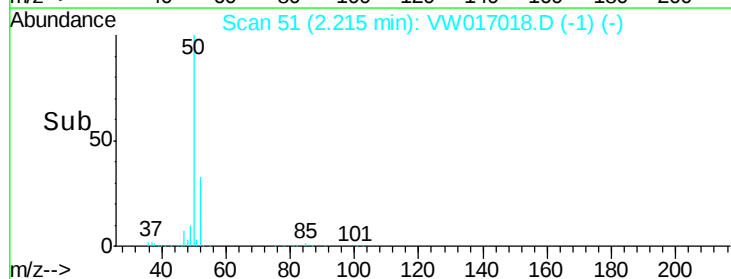
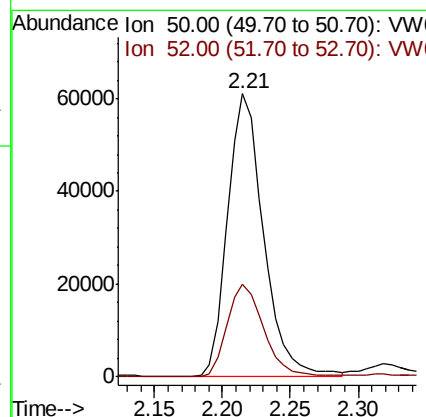
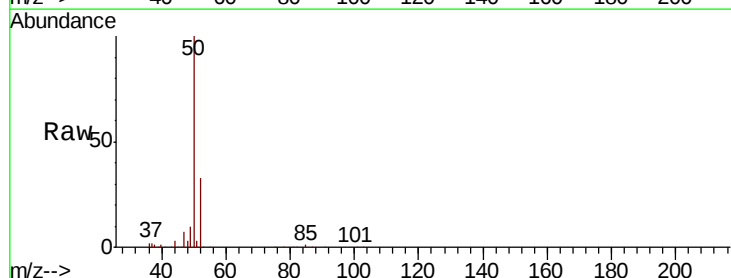
Acq: 28 Oct 2020 19:08

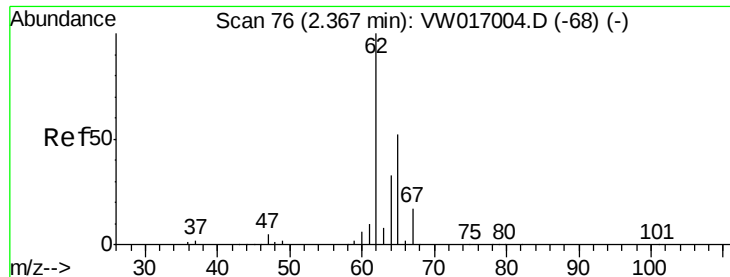
Tgt Ion: 50 Resp: 111706

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7





#5

Vinyl chloride

Concen: 25.942 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

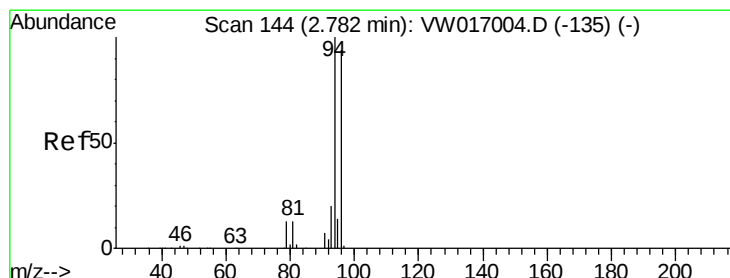
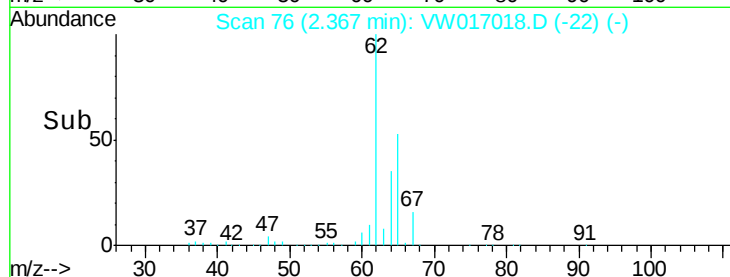
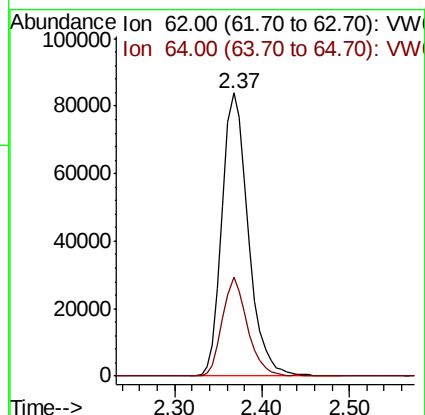
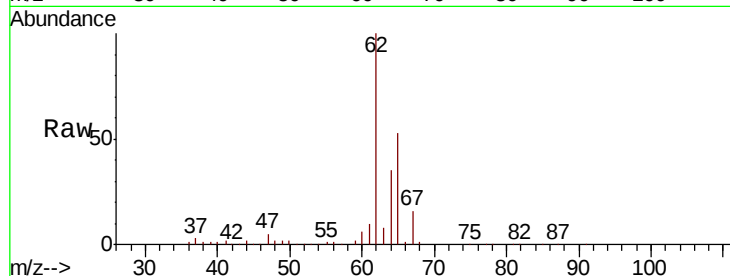
ClientSampleId :

Tot Ion: 62 Resp: 175090

Ion Ratio Lower Upper

62 100

64 35.0 24.1 44.7



#6

Bromomethane

Concen: 25.872 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017018.D

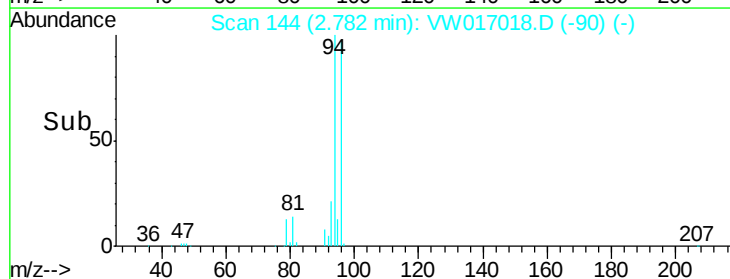
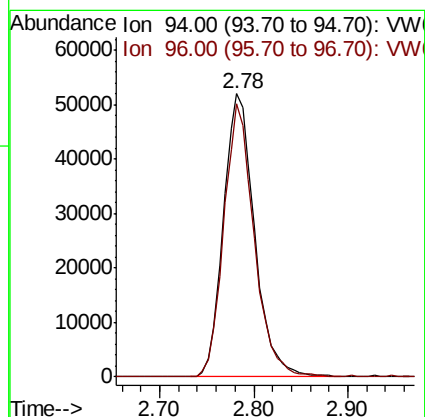
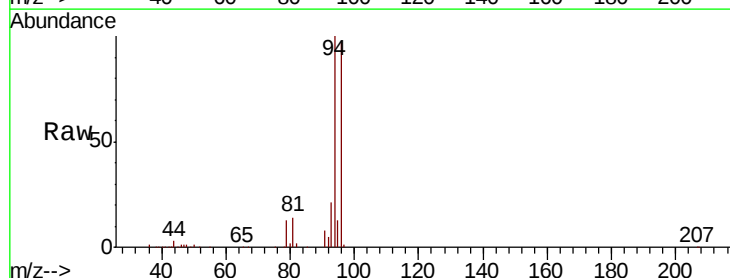
Acq: 28 Oct 2020 19:08

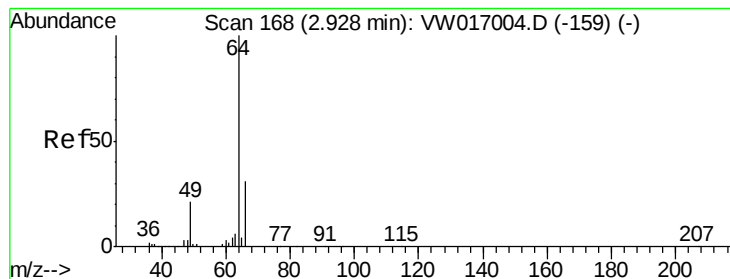
Tgt Ion: 94 Resp: 118594

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.8





#8

Chloroethane

Concen: 26.663 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

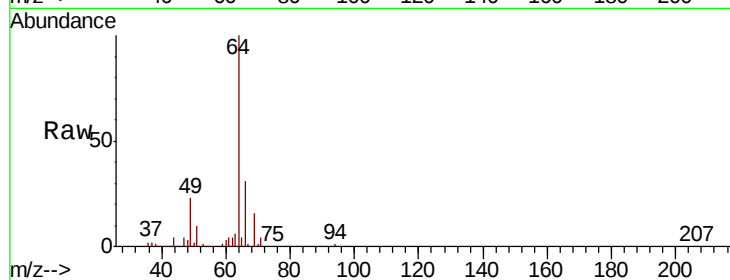
ClientSampleId :

Tot Ion: 64 Resp: 103566

Ion Ratio Lower Upper

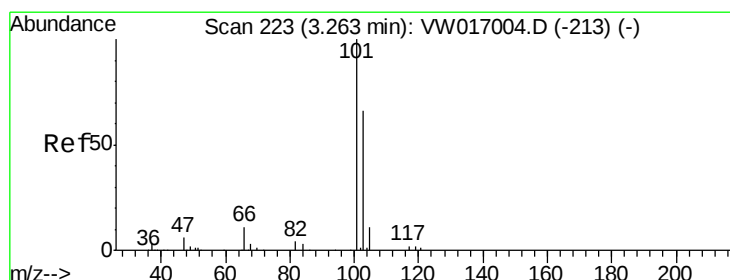
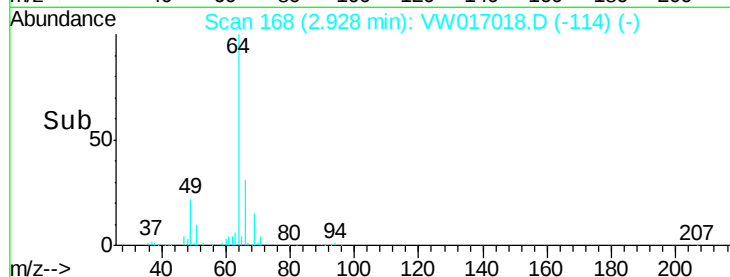
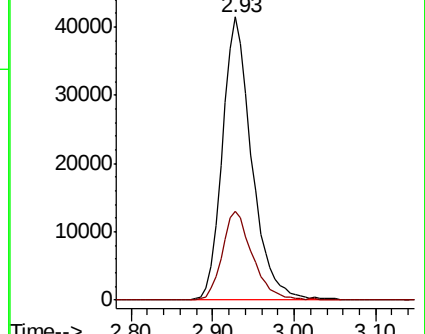
64 100

66 31.4 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 23.418 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017018.D

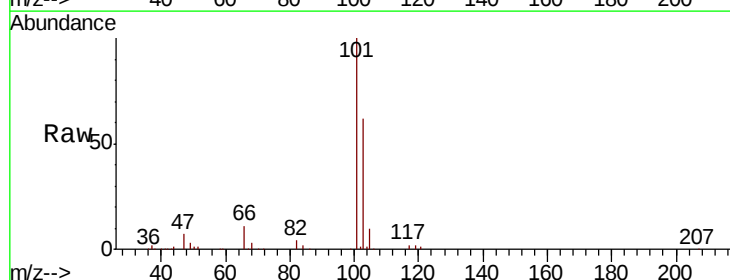
Acq: 28 Oct 2020 19:08

Tgt Ion: 101 Resp: 125362

Ion Ratio Lower Upper

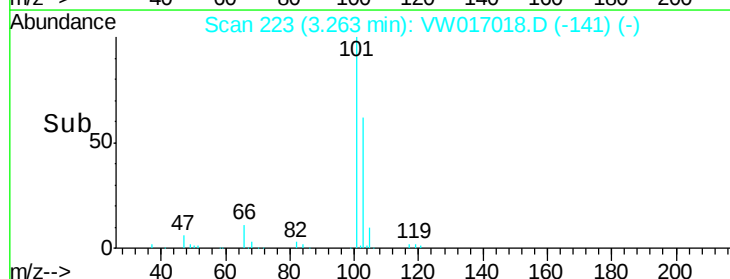
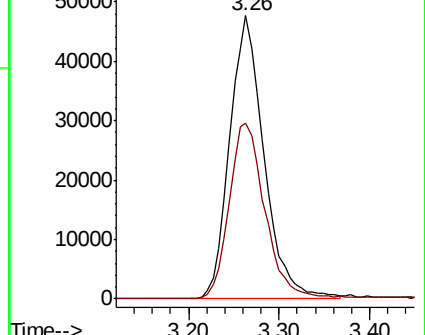
101 100

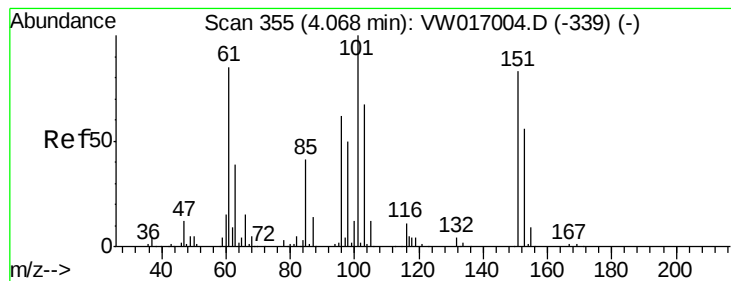
103 64.8 44.9 83.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.370 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

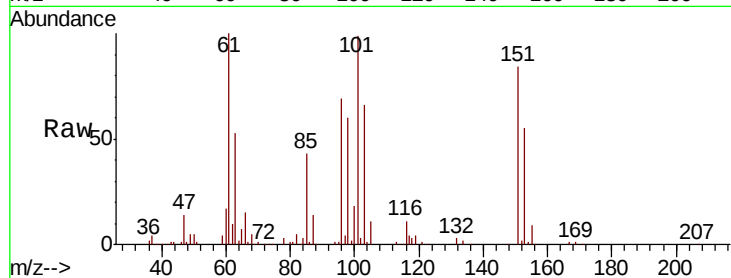
Tot Ion:101 Resp: 170145

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

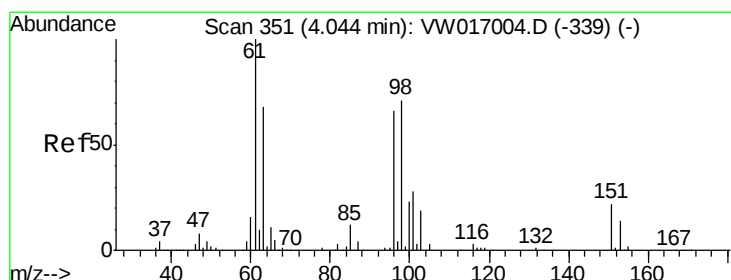
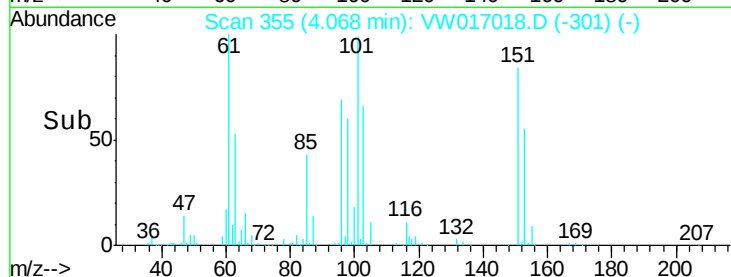
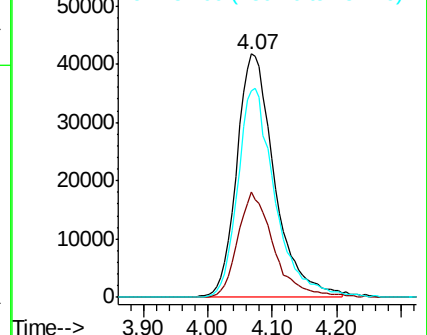
151 83.5 65.7 98.5



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: 26.103 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

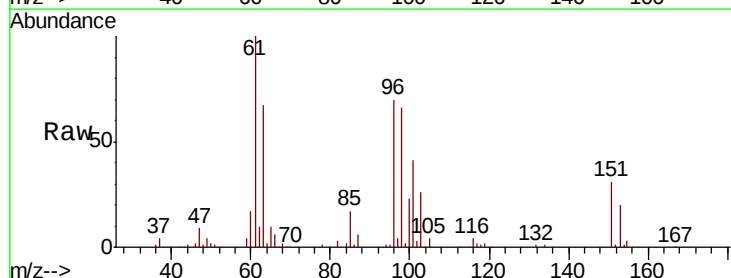
Tgt Ion: 96 Resp: 159938

Ion Ratio Lower Upper

96 100

61 143.1 101.4 188.4

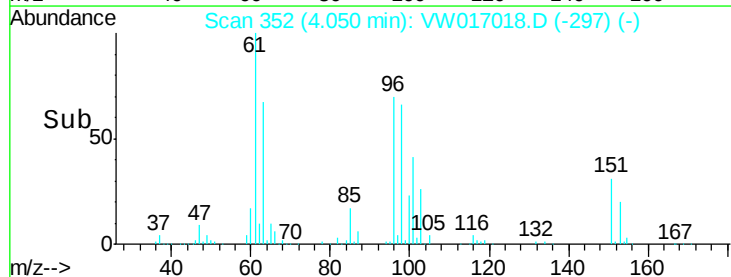
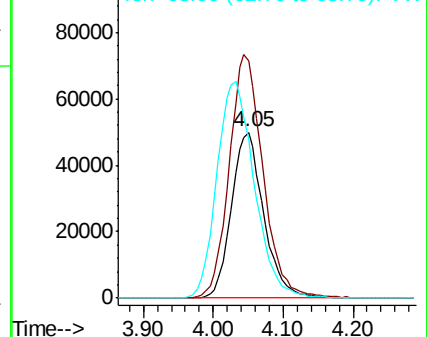
63 95.5 78.5 145.9

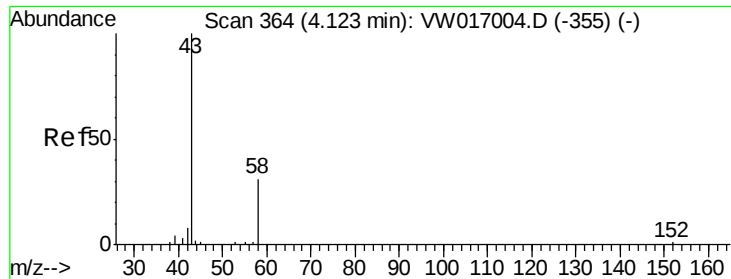


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.598 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

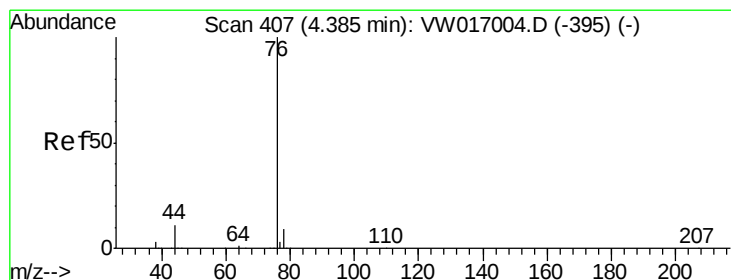
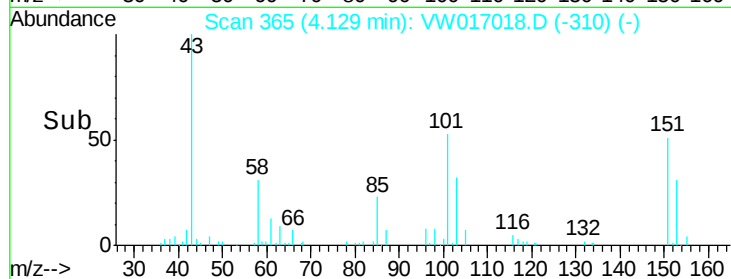
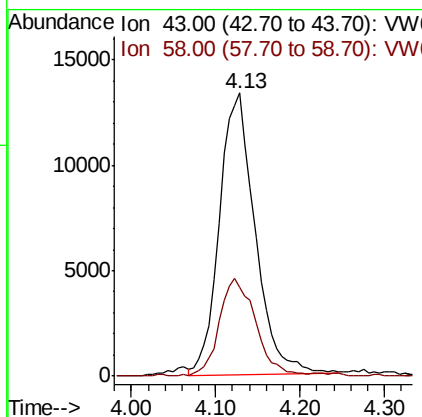
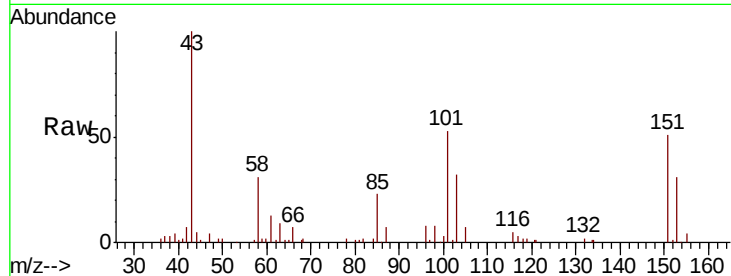
ClientSampled :

Tot Ion: 43 Resp: 38755

Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.8



#14

Carbon disulfide

Concen: 24.874 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017018.D

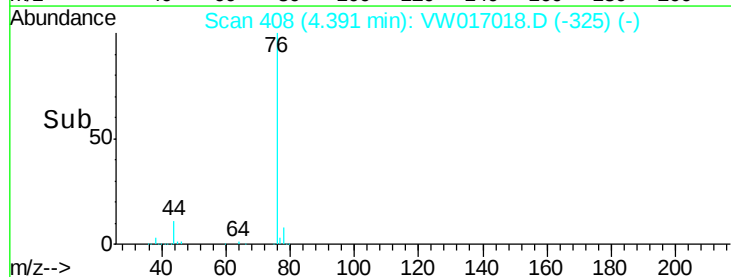
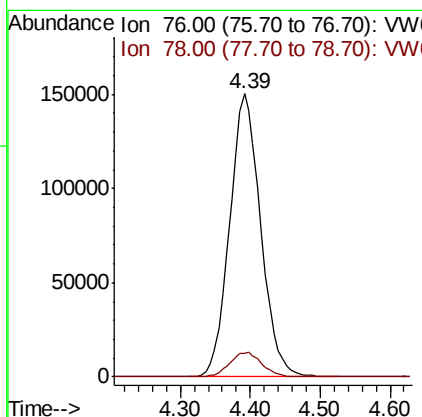
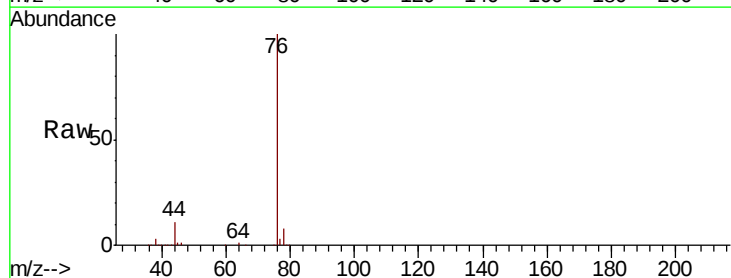
Acq: 28 Oct 2020 19:08

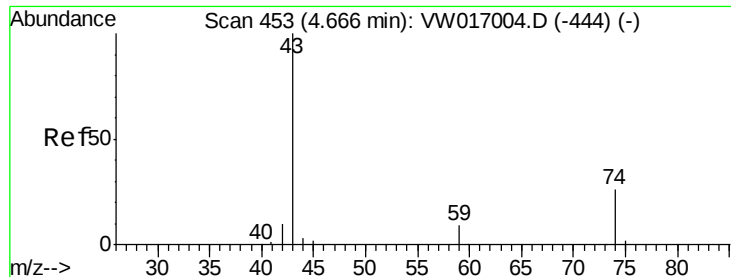
Tgt Ion: 76 Resp: 462038

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

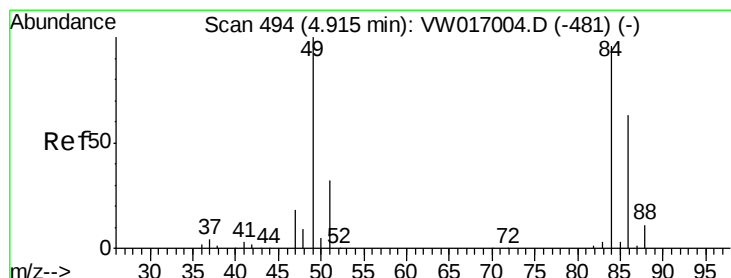
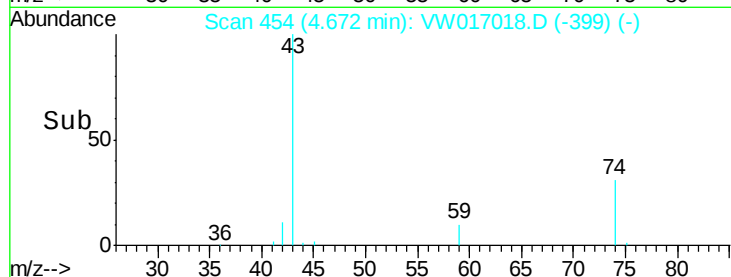
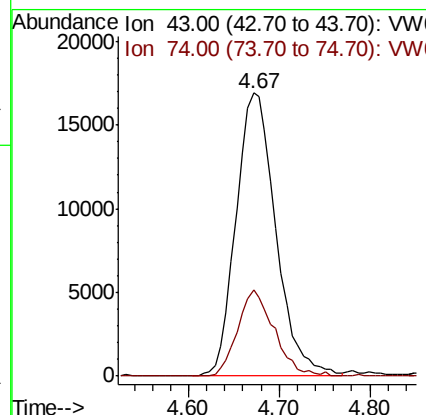
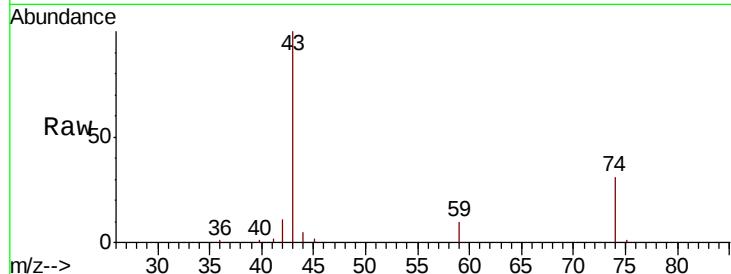




#15
Methvl Acetate
Concen: 28.838 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

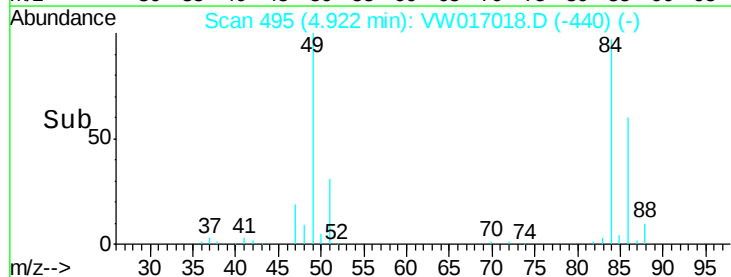
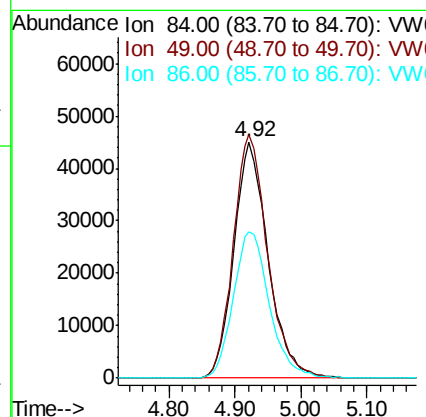
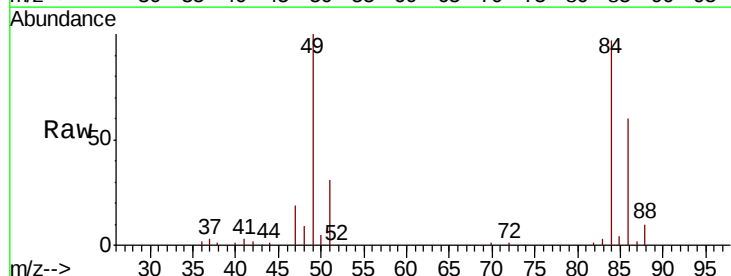
Instrument :
MSVOA_W
ClientSampleId :

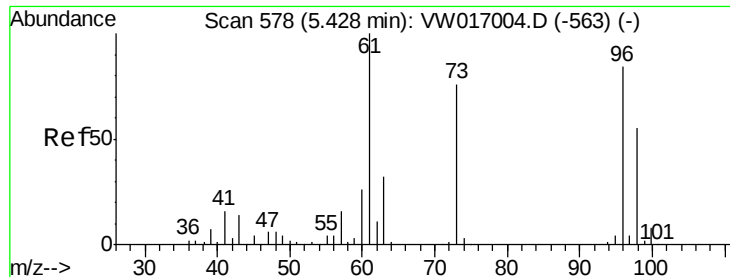
Tot Ion: 43 Resp: 51554
Ion Ratio Lower Upper
43 100
74 27.9 22.8 34.2



#16
Methylene chloride
Concen: 26.159 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

Tgt Ion: 84 Resp: 161889
Ion Ratio Lower Upper
84 100
49 102.9 73.8 137.0
86 62.1 47.4 88.0

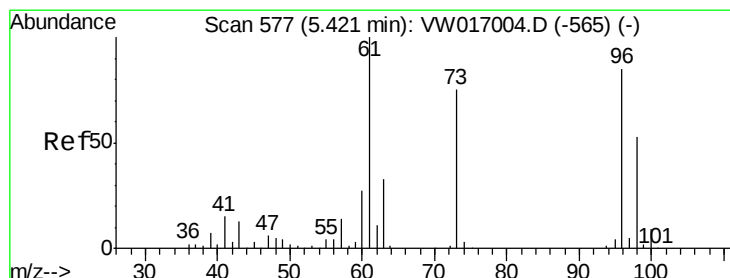
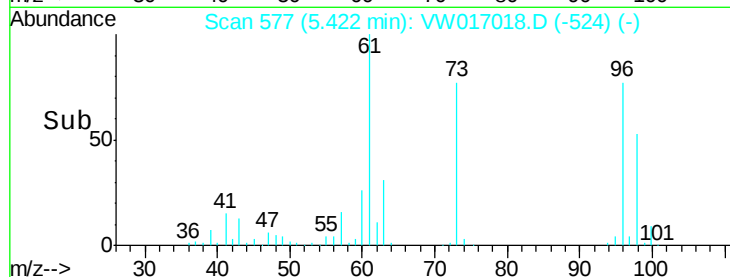
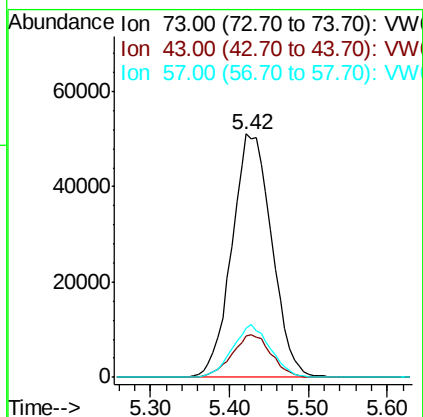
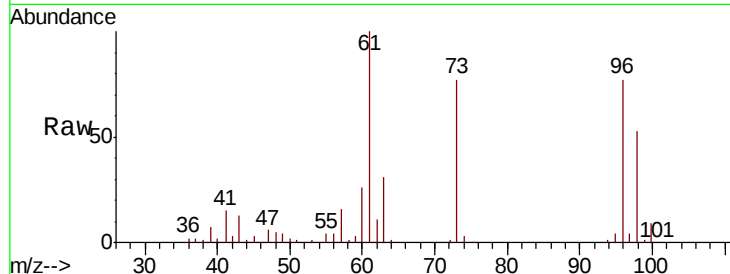




#17
Methvl tert-butvl Ether
Concen: 26.883 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

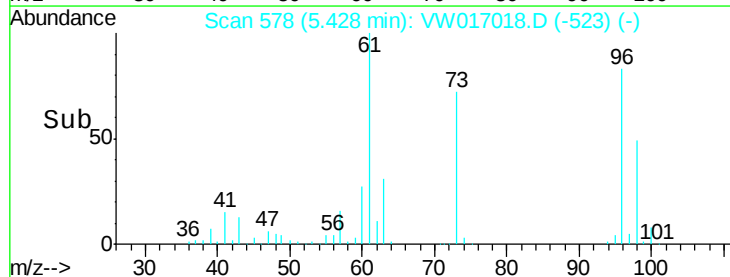
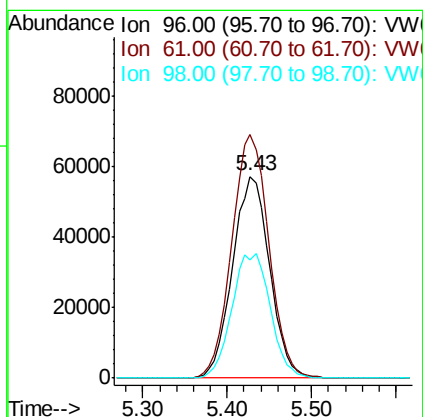
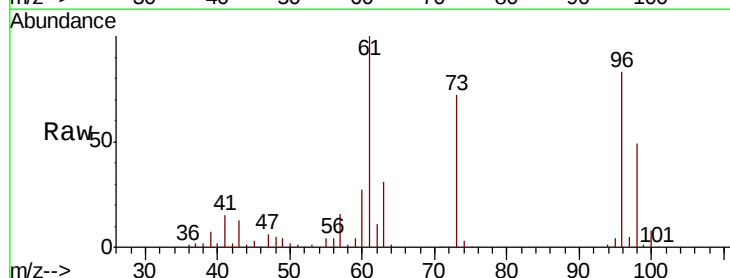
Instrument :
MSVOA_W
ClientSampleId :

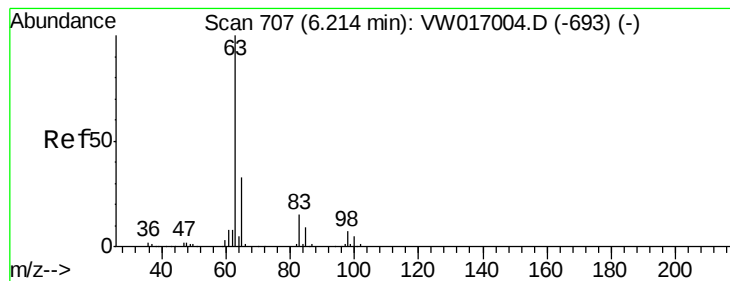
Tot Ion: 73 Resp: 179553
Ion Ratio Lower Upper
73 100
43 17.3 14.4 21.6
57 20.6 16.6 25.0



#18
trans-1,2-Dichloroethene
Concen: 26.678 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

Tgt Ion: 96 Resp: 170958
Ion Ratio Lower Upper
96 100
61 120.9 82.7 153.7
98 58.9 42.6 79.0





#19

1,1-Dichloroethane

Concen: 27.428 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

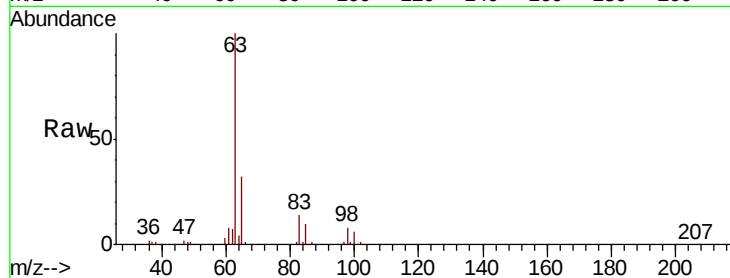
Tot Ion: 63 Resp: 269170

Ion Ratio Lower Upper

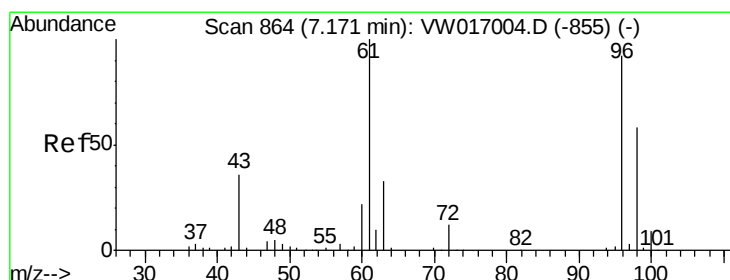
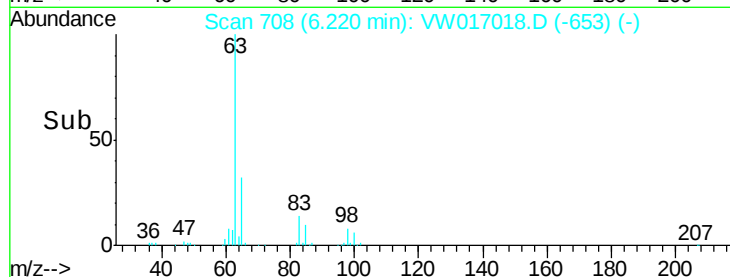
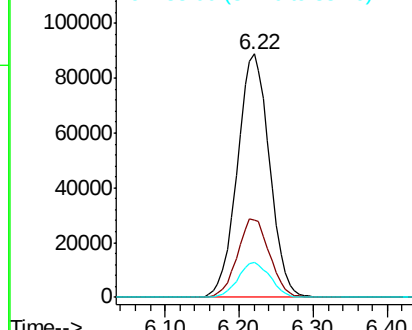
63 100

65 32.0 22.5 41.9

83 14.1 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: 57.874 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017018.D

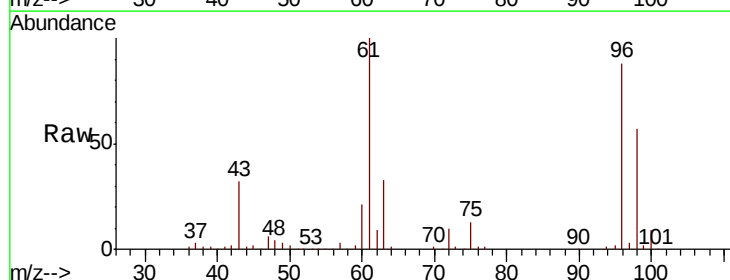
Acq: 28 Oct 2020 19:08

Tgt Ion: 43 Resp: 66320

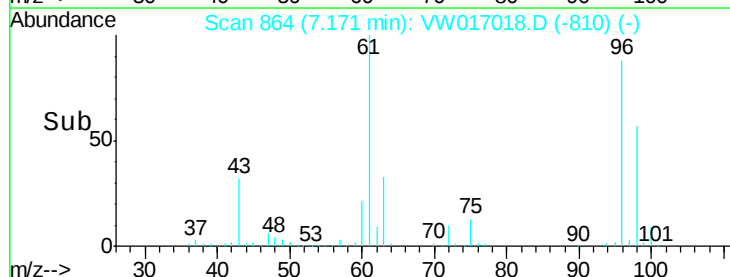
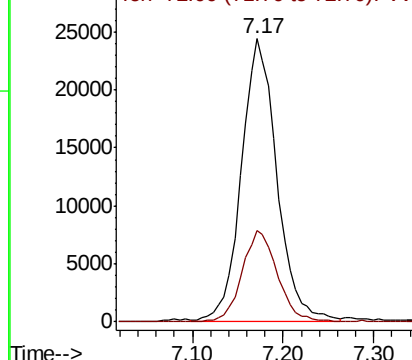
Ion Ratio Lower Upper

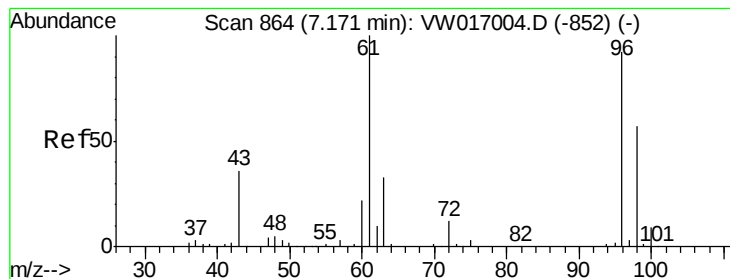
43 100

72 31.9 16.1 48.2



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



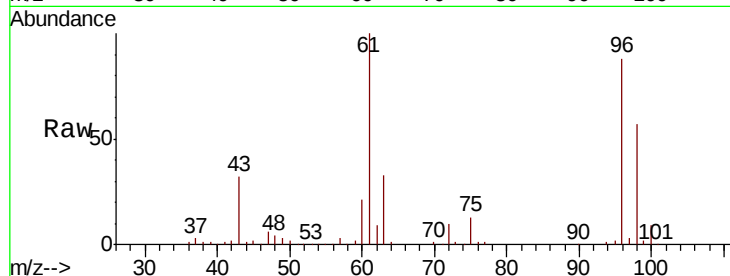


#22

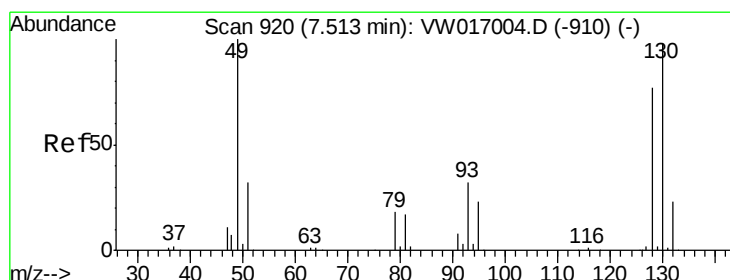
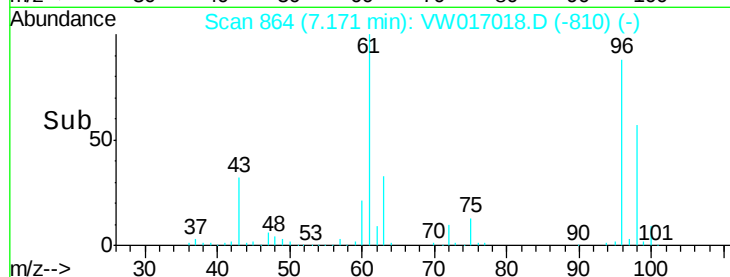
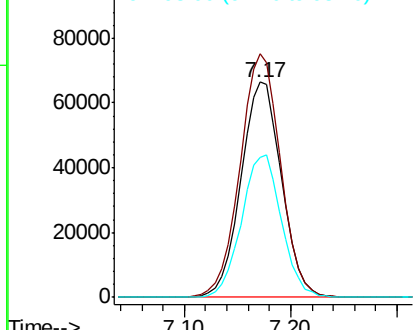
cis-1,2-Dichloroethene
 Concen: 27.370 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 177319
 Ion Ratio Lower Upper
 96 100
 61 113.0 77.4 143.8
 98 64.9 44.4 82.5



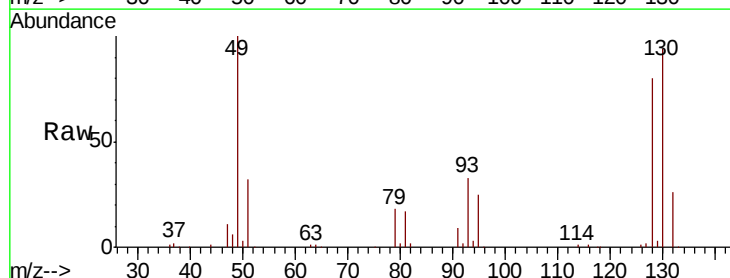
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



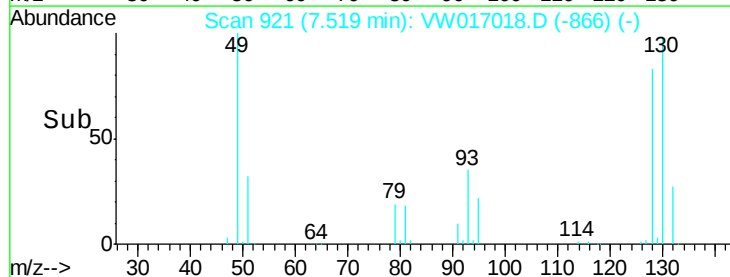
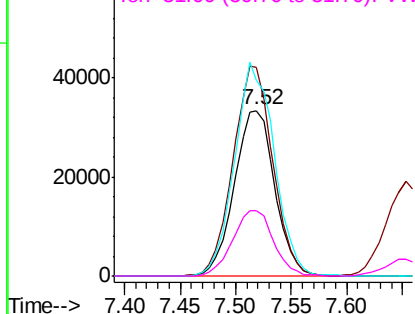
#23

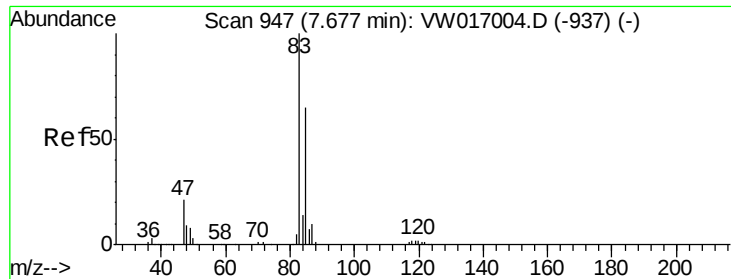
Bromochloromethane
 Concen: 28.168 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Tgt Ion: 128 Resp: 84241
 Ion Ratio Lower Upper
 128 100
 49 125.6 86.4 160.4
 130 118.1 86.4 160.4
 51 39.7 30.9 46.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 27.585 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

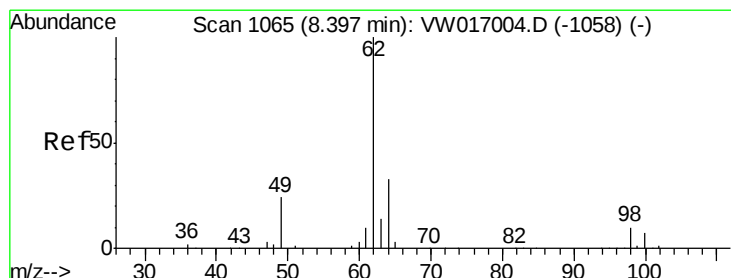
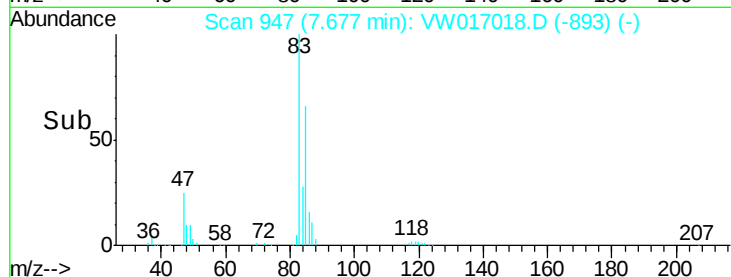
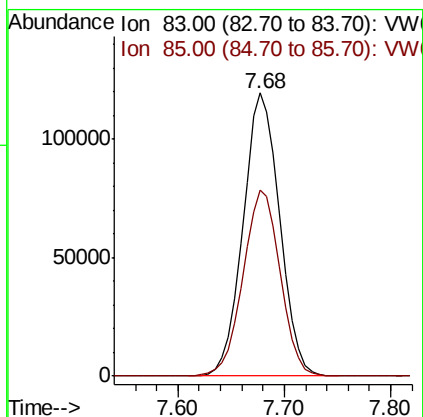
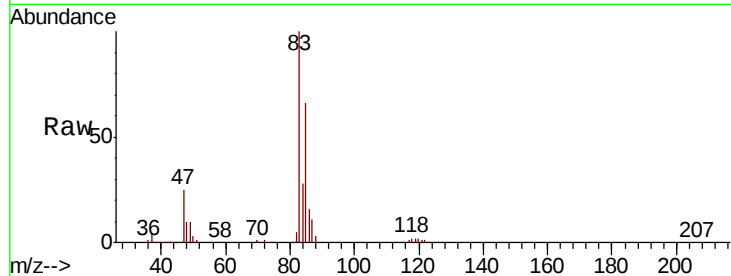
ClientSampled :

Tot Ion: 83 Resp: 288187

Ion Ratio Lower Upper

83 100

85 66.7 46.6 86.6



#27

1,2-Dichloroethane

Concen: 27.863 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW017018.D

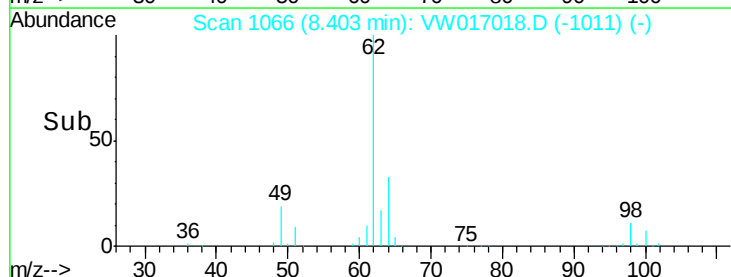
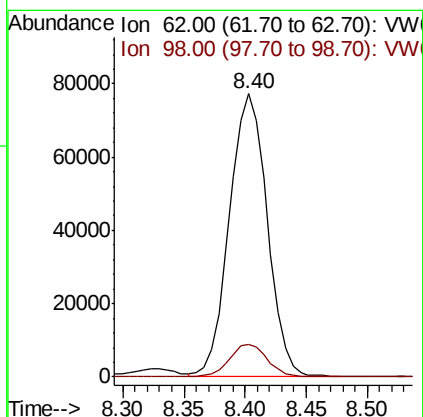
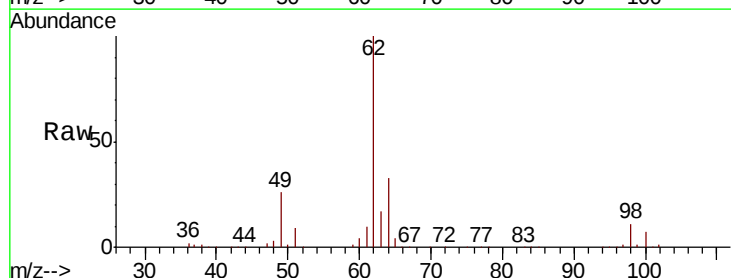
Acq: 28 Oct 2020 19:08

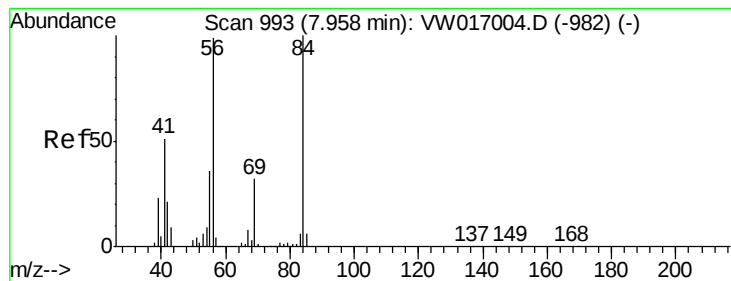
Tgt Ion: 62 Resp: 165769

Ion Ratio Lower Upper

62 100

98 11.3 8.5 12.7





#30

Cyclohexane

Concen: 25.452 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

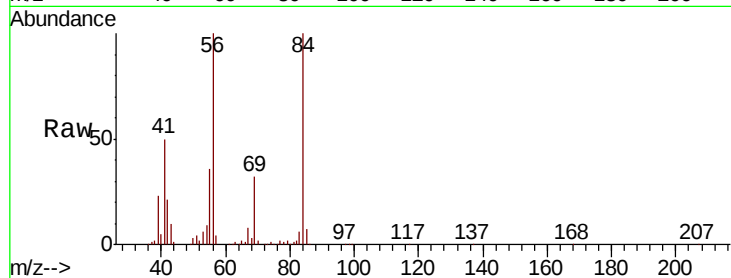
Tot Ion: 56 Resp: 237044

Ion Ratio Lower Upper

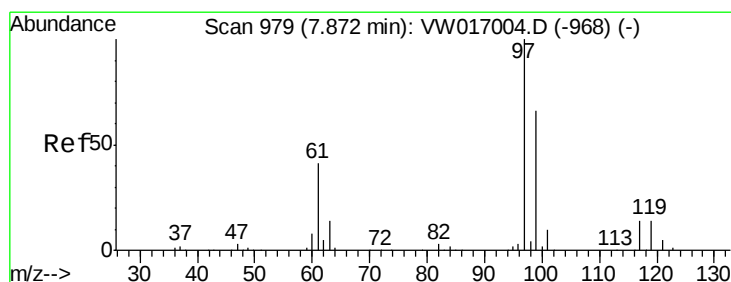
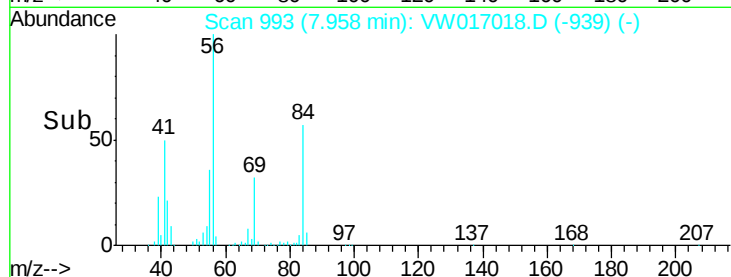
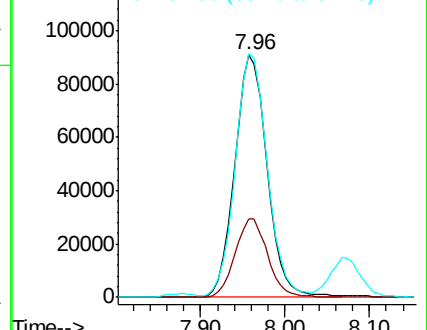
56 100

69 32.6 26.0 39.0

84 99.4 78.6 118.0



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: 25.247 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

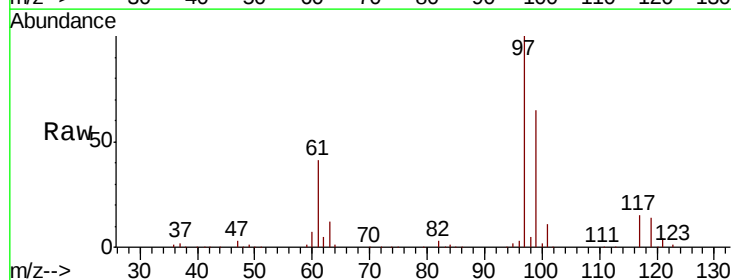
Tgt Ion: 97 Resp: 243357

Ion Ratio Lower Upper

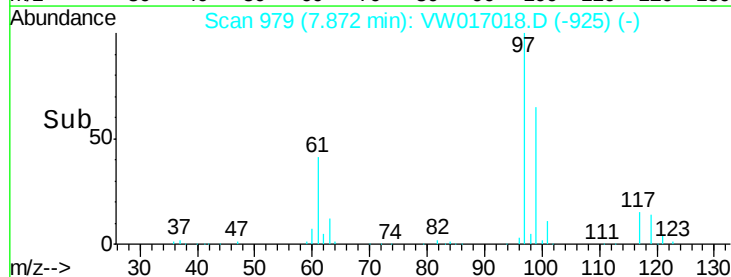
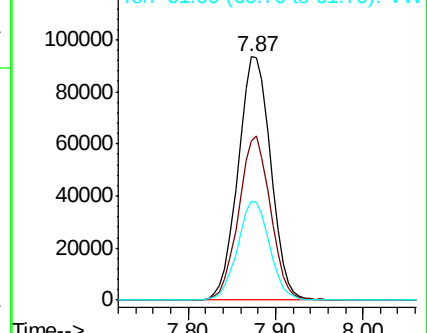
97 100

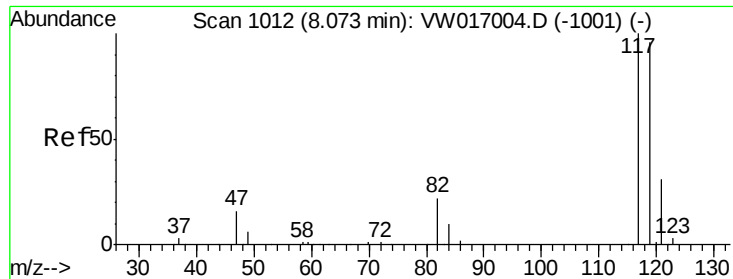
99 65.8 51.3 76.9

61 39.9 31.8 47.8



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: 26.047 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

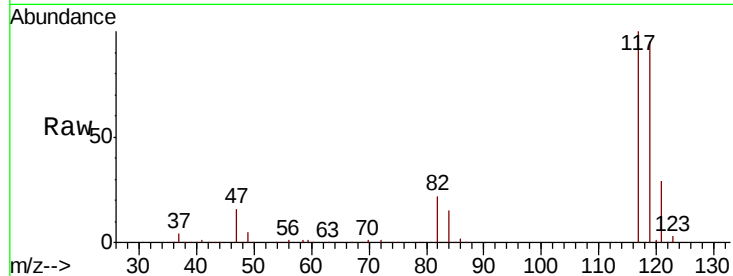
ClientSampled :

Tot Ion:117 Resp: 240981

Ion Ratio Lower Upper

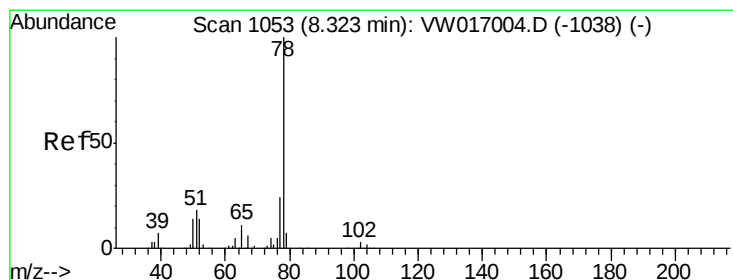
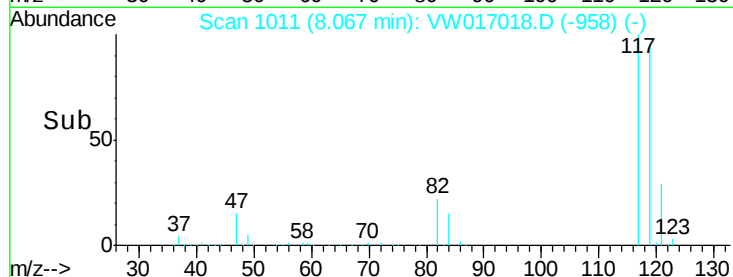
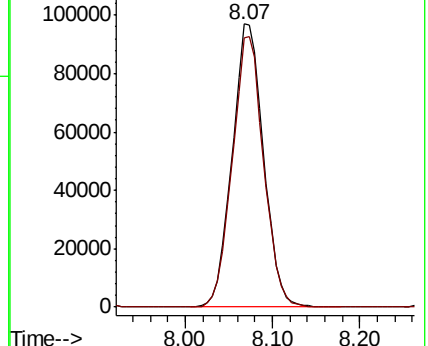
117 100

119 95.6 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: 25.995 ug/L

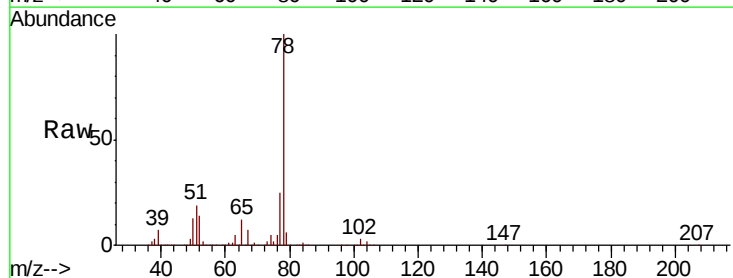
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

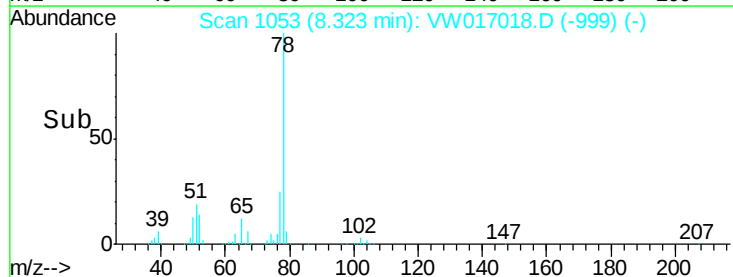
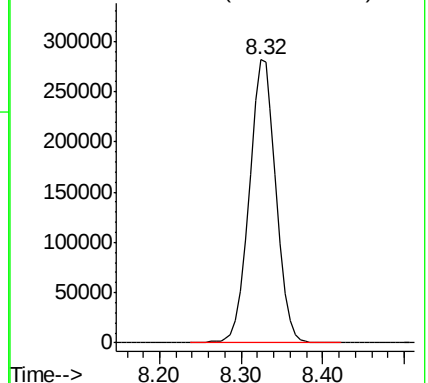
Lab File: VW017018.D

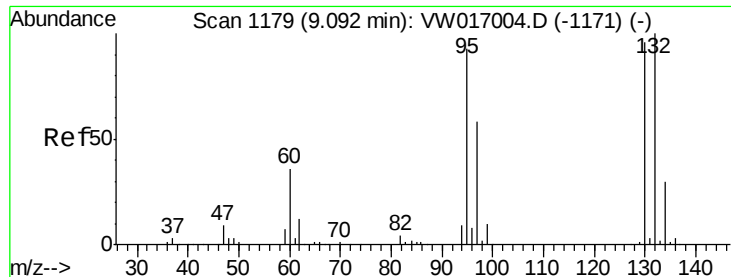
Acq: 28 Oct 2020 19:08

Tgt Ion: 78 Resp: 639362



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.926 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 176602

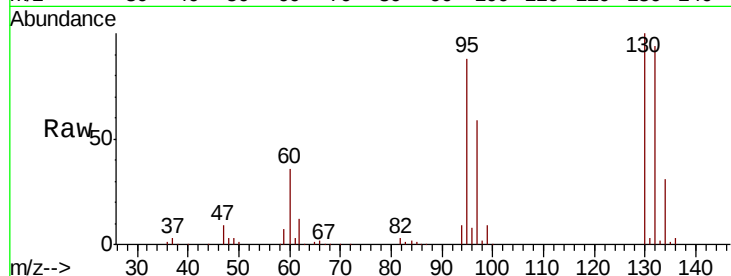
Ion Ratio Lower Upper

95 100

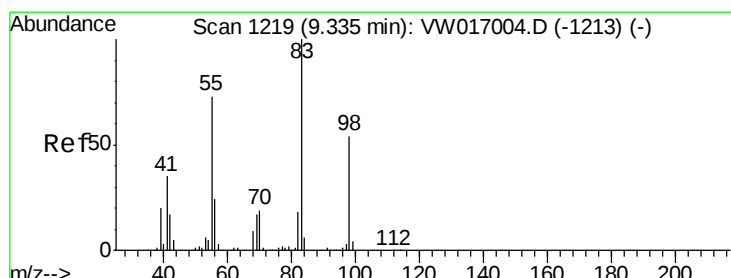
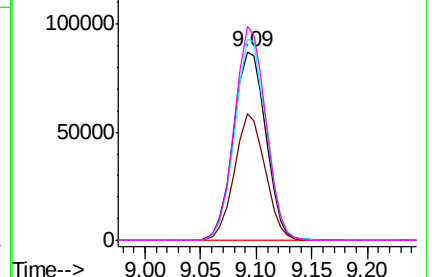
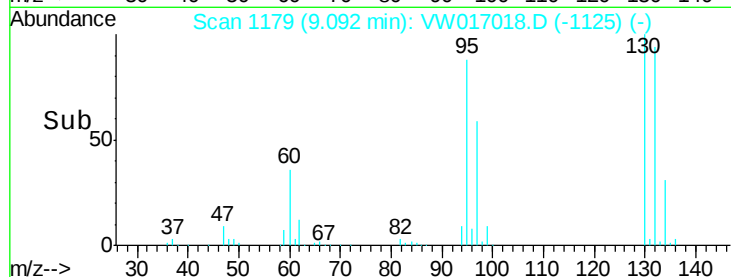
97 63.8 46.0 85.4

132 104.1 73.9 137.3

130 109.7 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: 26.099 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

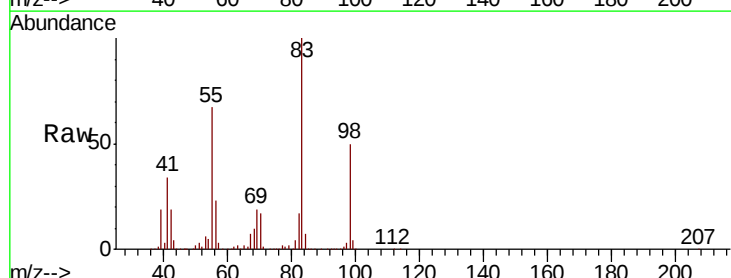
Tgt Ion: 83 Resp: 298563

Ion Ratio Lower Upper

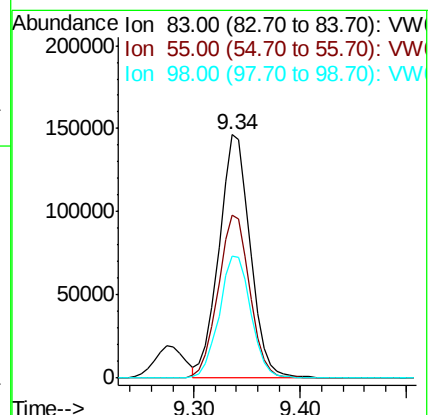
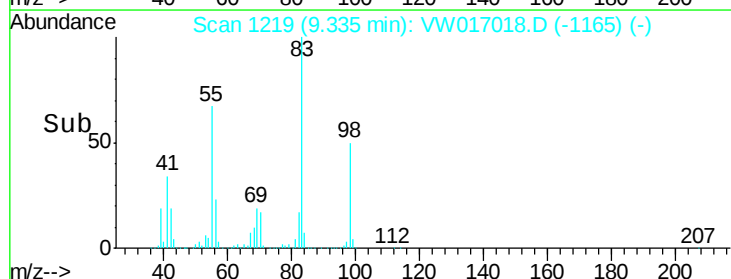
83 100

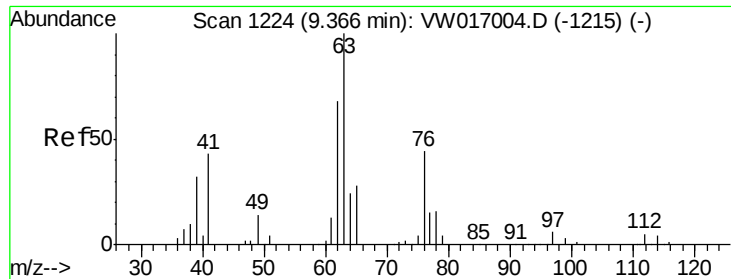
55 67.4 54.5 81.7

98 50.6 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

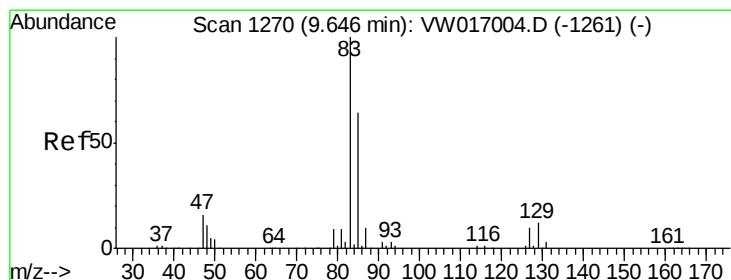
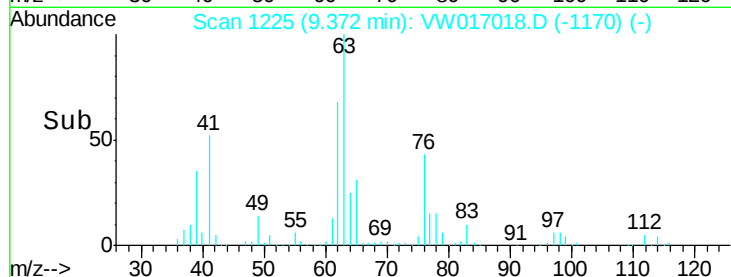
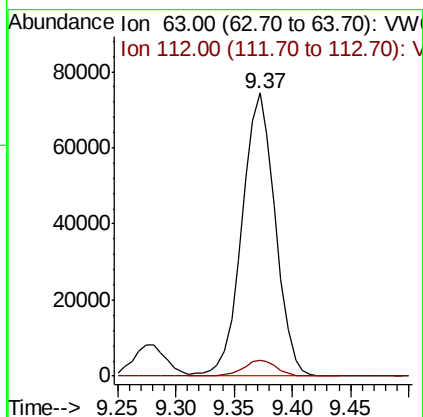
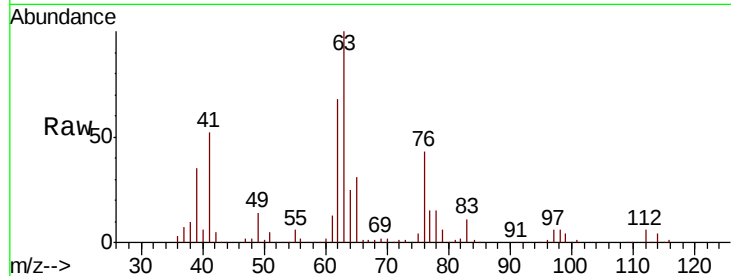




#40
 1,2-Dichloropropane
 Concen: 26.935 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

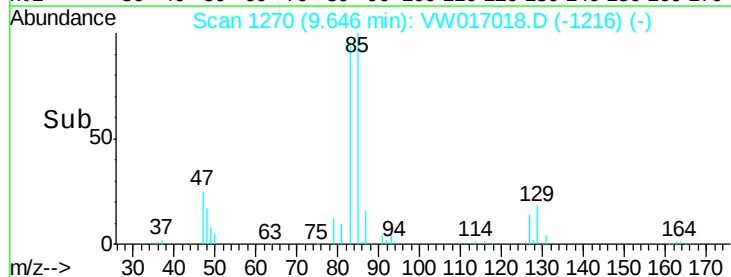
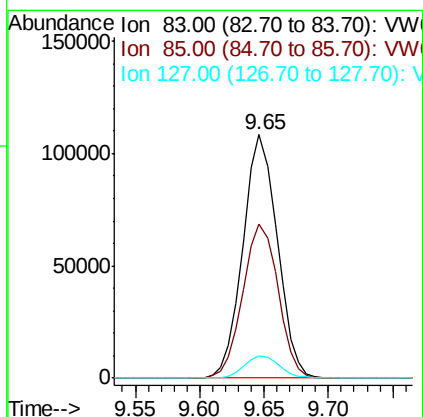
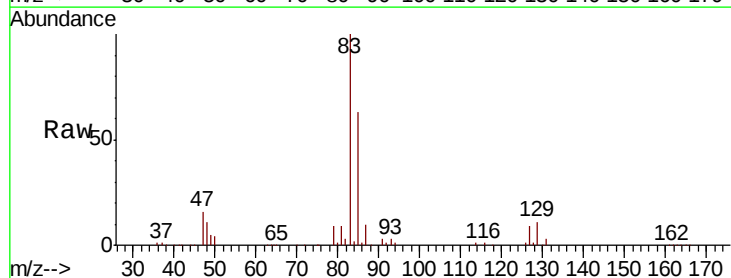
Instrument :
 MSVOA_W
 ClientSampled :

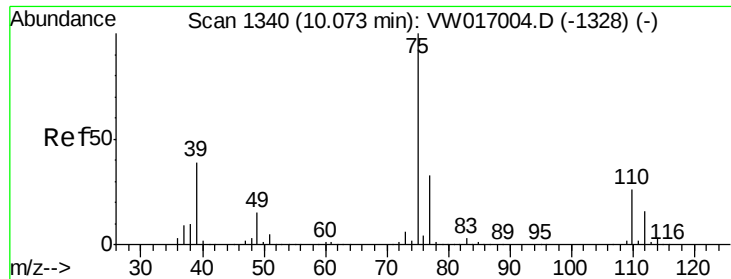
Tot Ion: 63 Resp: 147951
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.942 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Tgt Ion: 83 Resp: 200860
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.9
 127 9.1 7.8 11.6

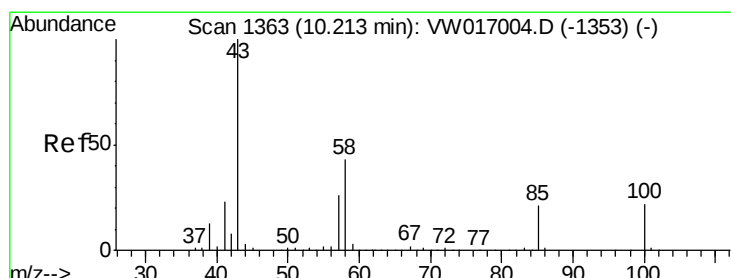
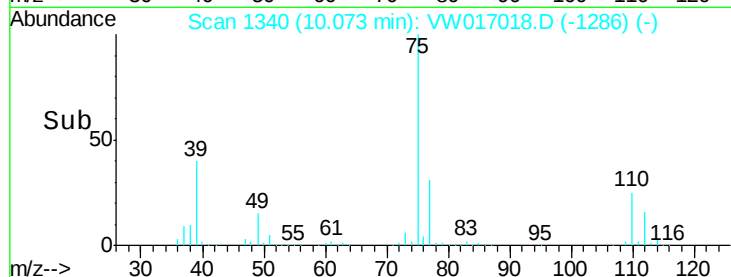
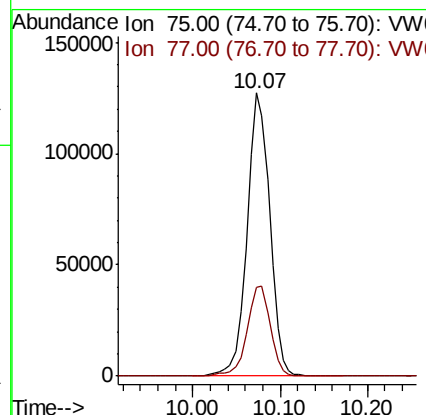
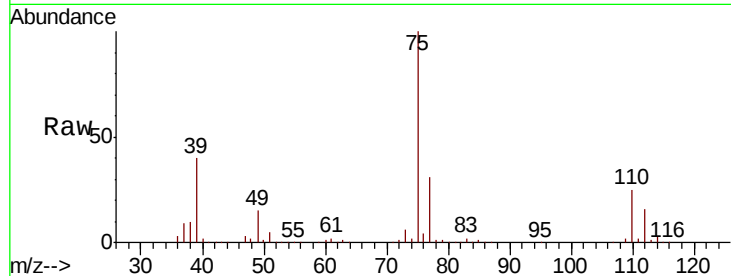




#42
 cis-1,3-Dichloropropene
 Concen: 26.659 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

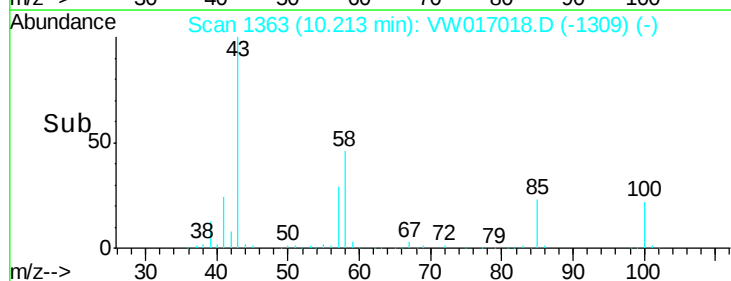
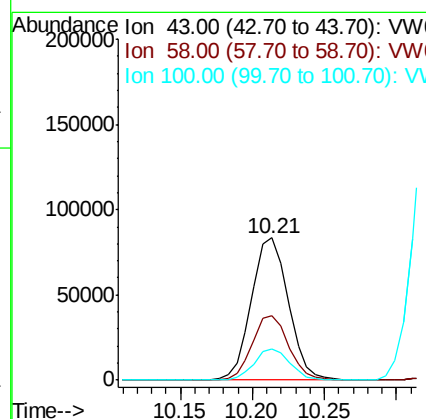
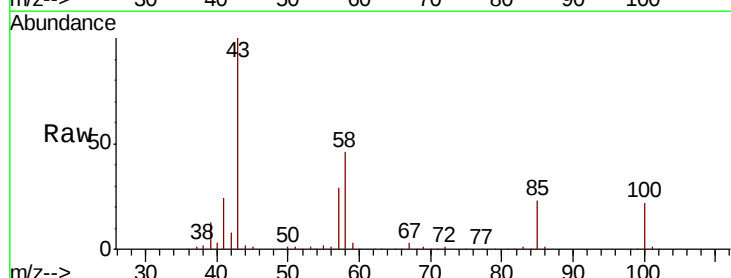
Instrument :
 MSVOA_W
 ClientSampleId :

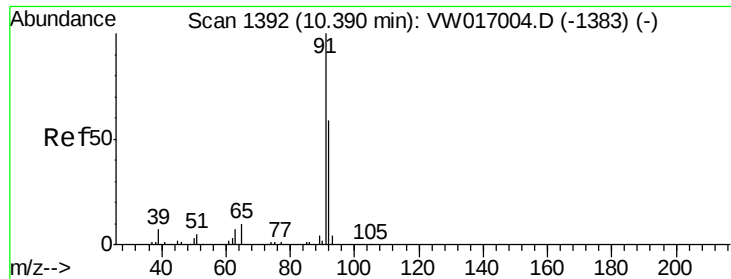
Tot Ion: 75 Resp: 228983
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 56.901 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Tgt Ion: 43 Resp: 148154
 Ion Ratio Lower Upper
 43 100
 58 44.5 34.4 51.6
 100 21.4 16.2 24.2





#44

Toluene

Concen: 26.765 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

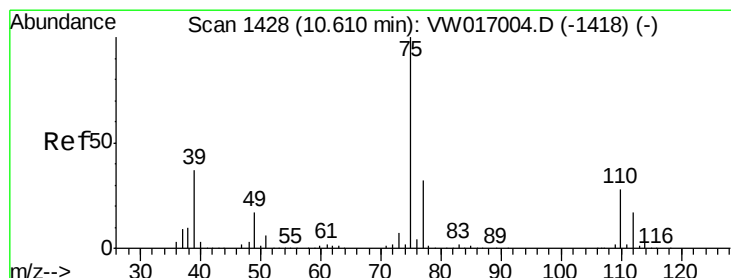
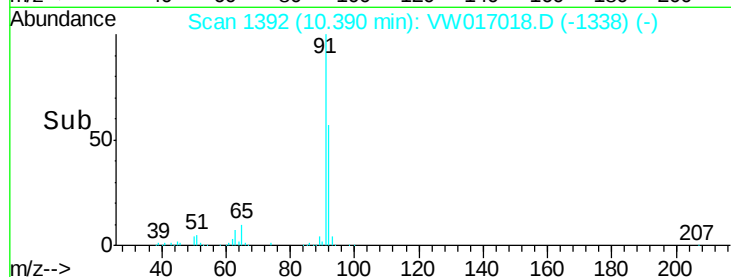
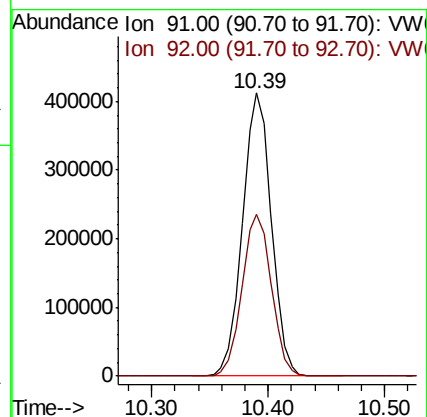
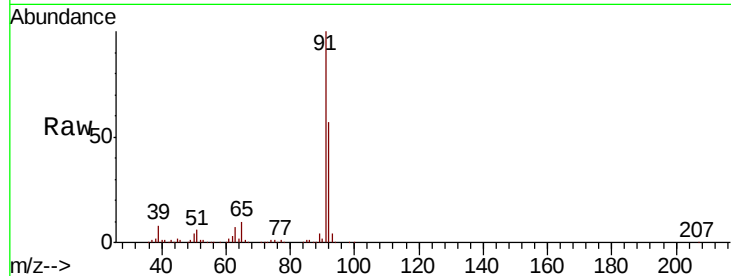
ClientSampled :

Tot Ion: 91 Resp: 713224

Ion Ratio Lower Upper

91 100

92 57.2 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 27.604 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017018.D

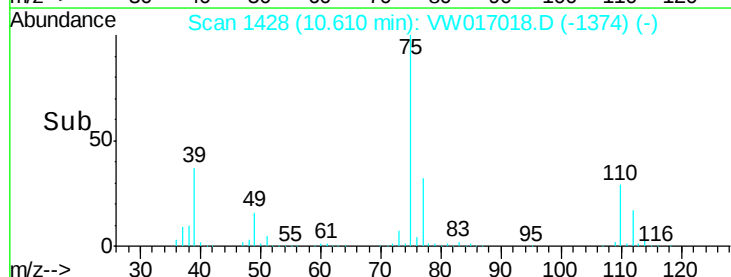
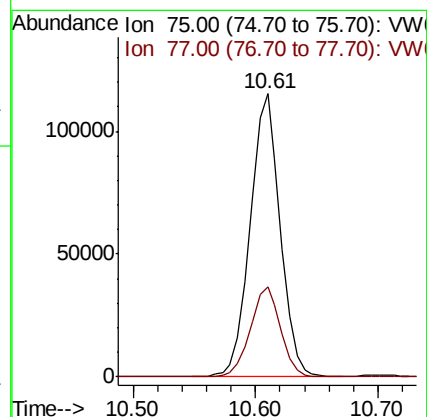
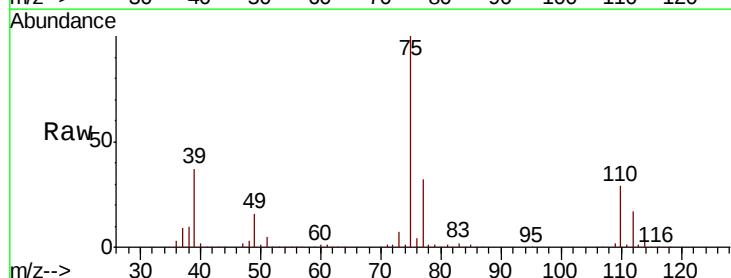
Acq: 28 Oct 2020 19:08

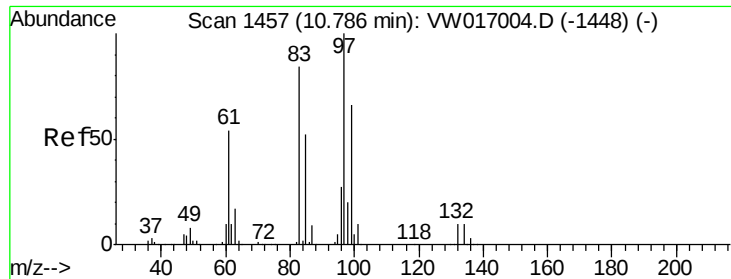
Tgt Ion: 75 Resp: 196406

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3





#46

1,1,2-Trichloroethane

Concen: 27.243 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 119777

Ion	Ratio	Lower	Upper
97	100		
83	77.7	56.6	105.0
85	52.4	34.6	64.3
99	61.5	43.5	80.9

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

10.79

Time-->

10.75 10.80 10.85

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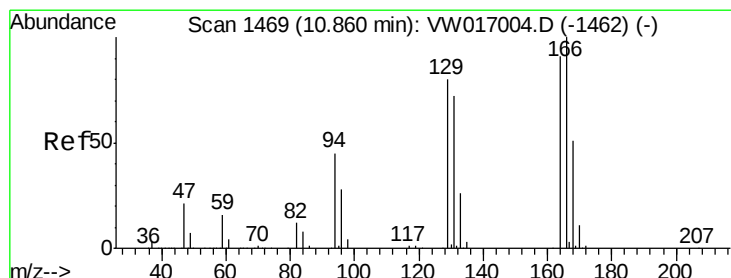
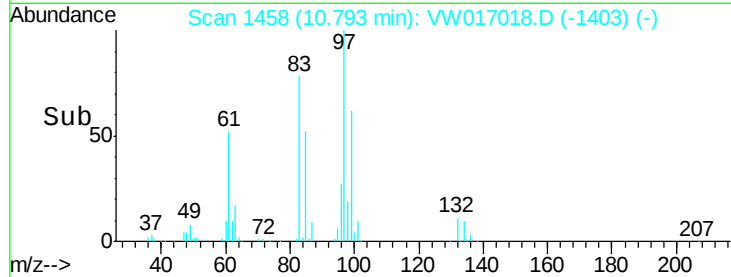
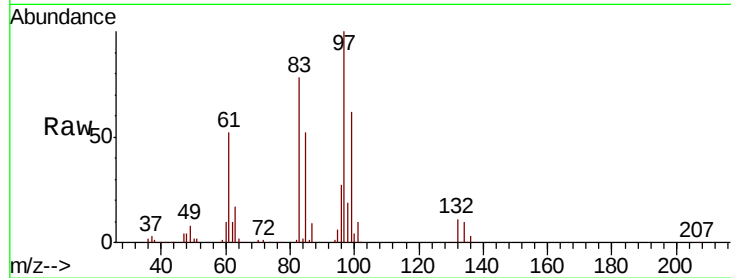
10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 25.337 ug/L

RT: 10.87 min Scan# 1470

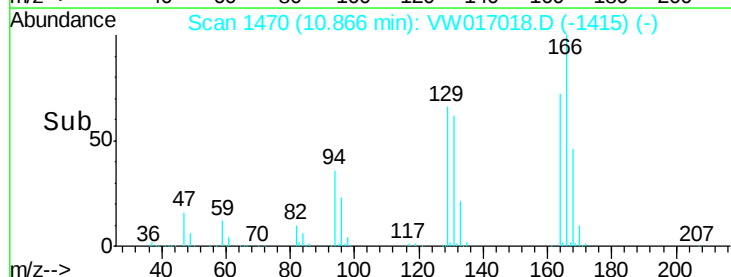
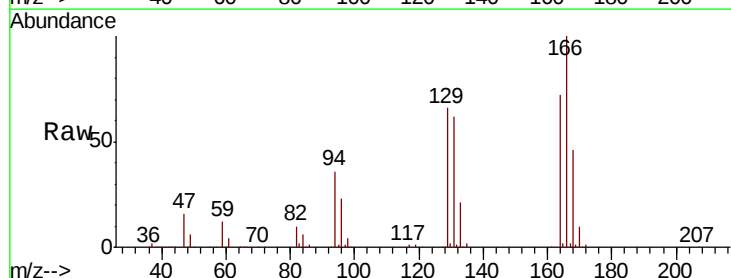
Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Tgt Ion: 164 Resp: 158761

Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.0	119.0
131	87.0	61.7	114.5
166	139.6	94.6	175.8



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

10.87

Time-->

10.80 10.85 10.90 10.95

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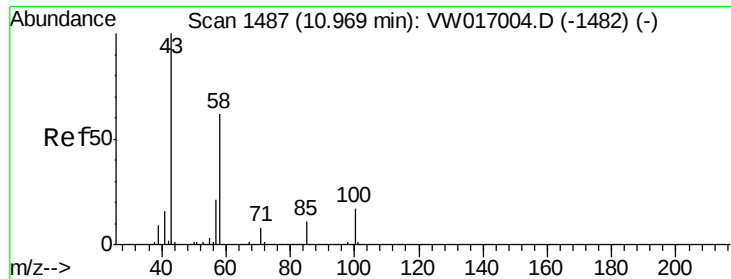
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10.80 10.85 10.90 10.95

10.80 10.85 10.90 10.95

10.80 10.85 10.90 10.95

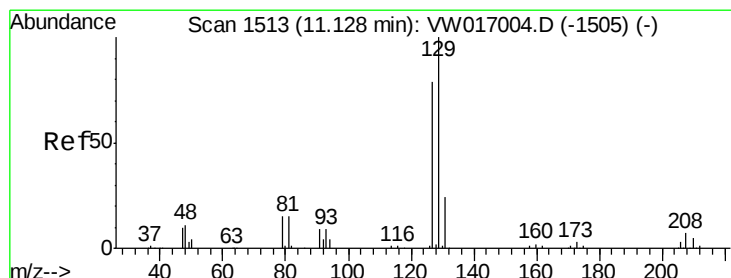
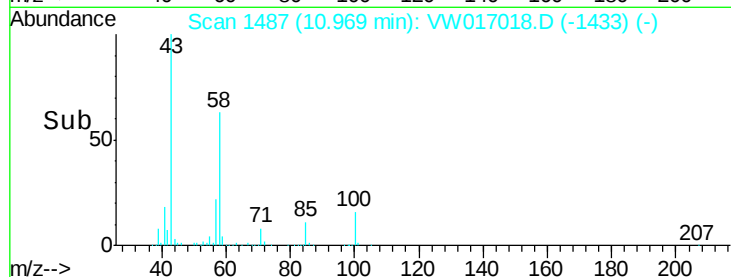
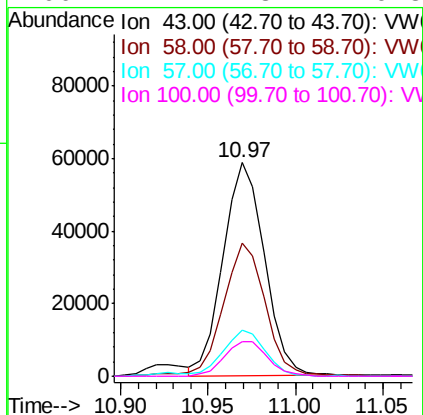
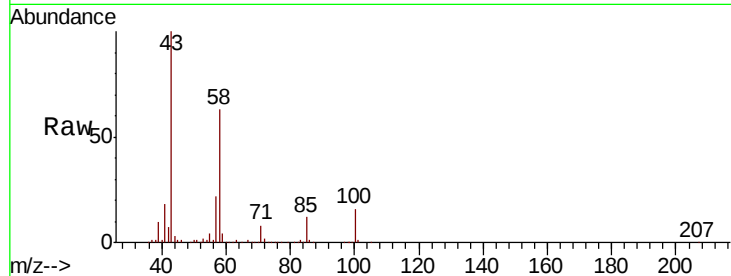
10.80 10.85 10.90 10.95



#49
2-Hexanone
Concen: 58.487 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

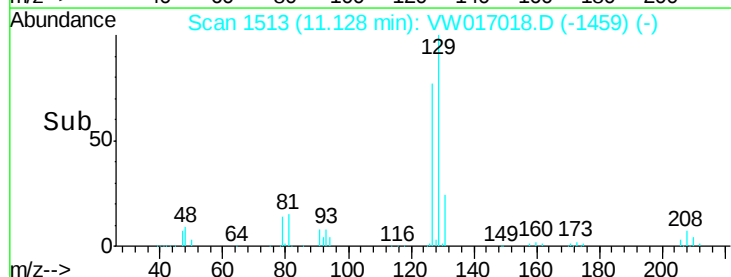
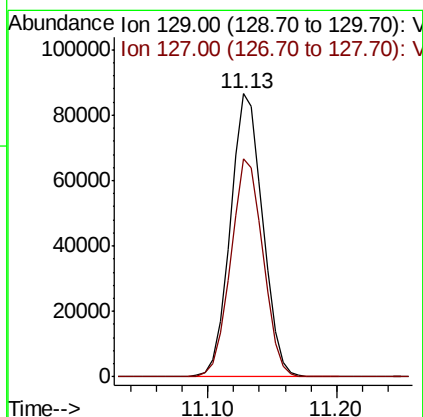
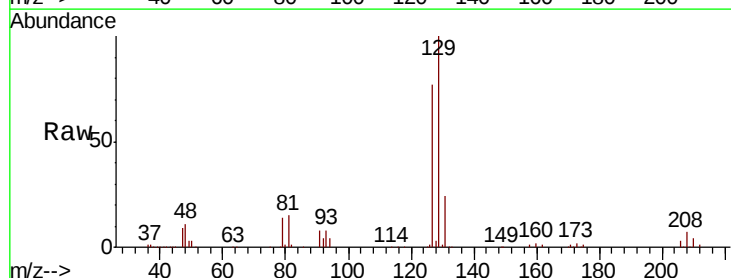
Instrument :
MSVOA_W
ClientSampleId :

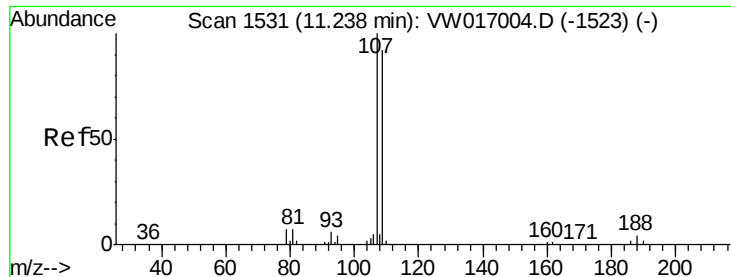
Tot Ion:	43	Resp:	97051
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.2	73.8
57	21.8	17.0	25.4
100	17.1	13.2	19.8



#50
Dibromochloromethane
Concen: 28.122 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017018.D
Acq: 28 Oct 2020 19:08

Tgt Ion:	129	Resp:	150621
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.4	102.8

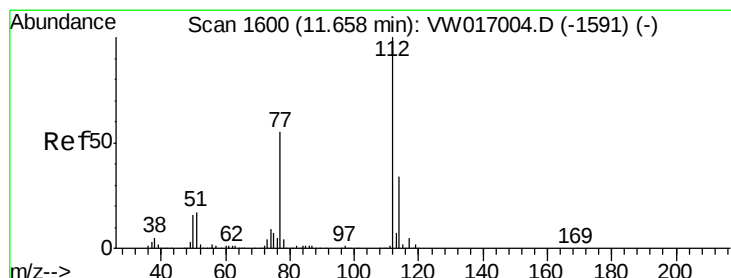
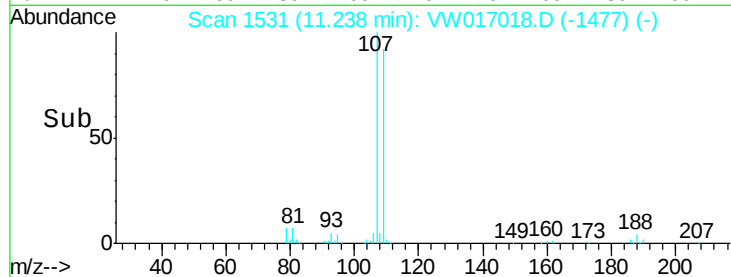
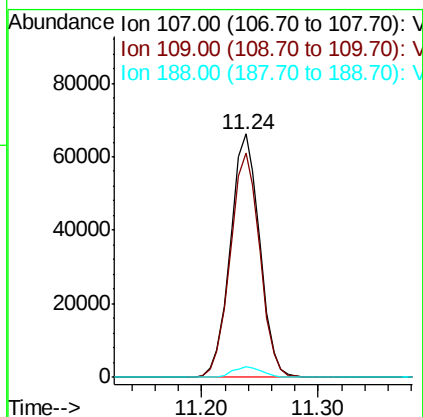
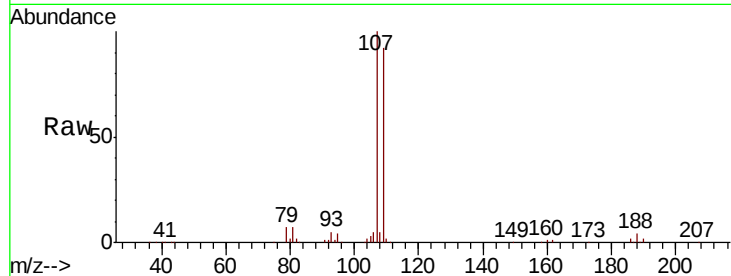




#51
 1,2-Dibromoethane
 Concen: 27.669 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

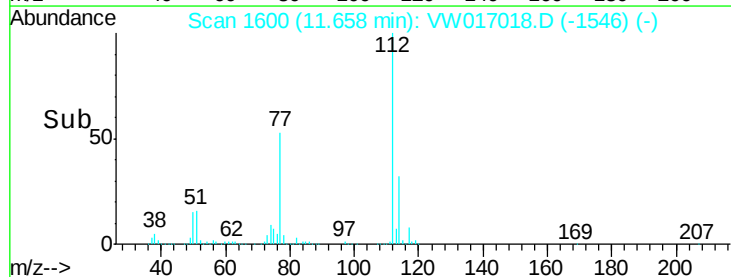
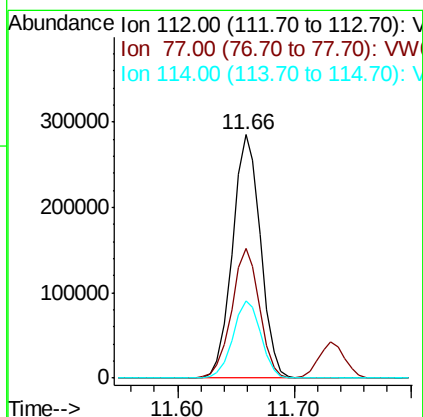
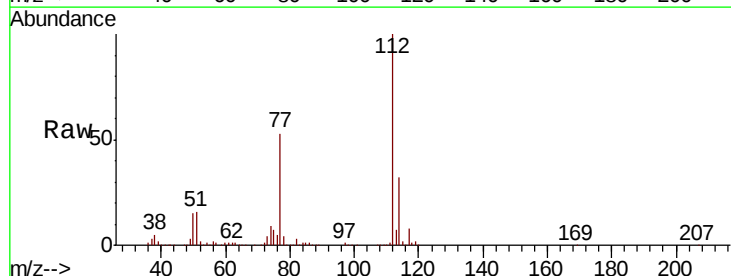
Instrument :
 MSVOA_W
 ClientSampleId :

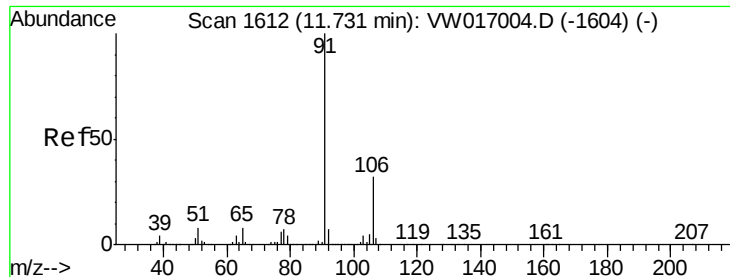
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	65.7	121.9
188	4.2	3.1	4.7



#52
 Chlorobenzene
 Concen: 26.811 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.4	42.5	63.7
114	31.8	22.3	41.3





#53

Ethylbenzene

Concen: 26.712 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

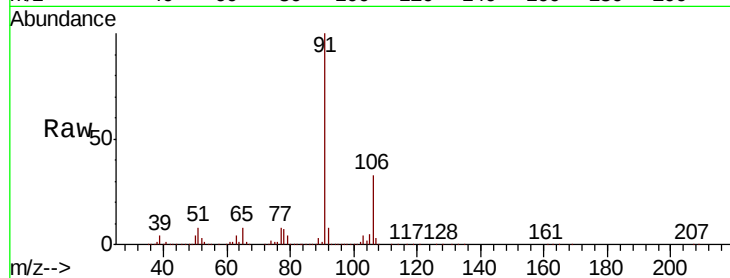
ClientSampleId :

Tot Ion: 91 Resp: 799391

Ion Ratio Lower Upper

91 100

106 33.0 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

500000

400000

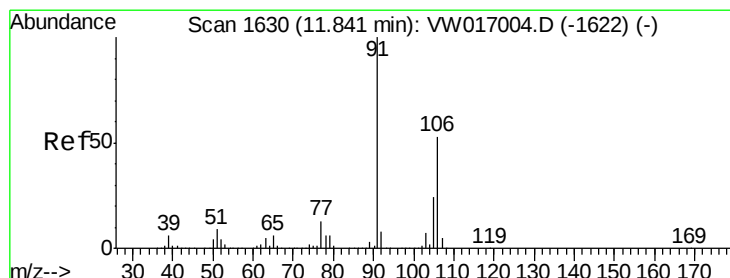
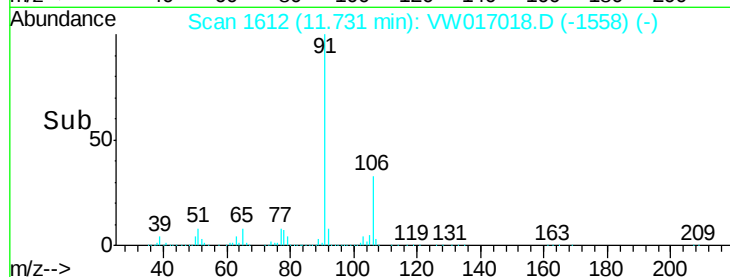
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 26.650 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017018.D

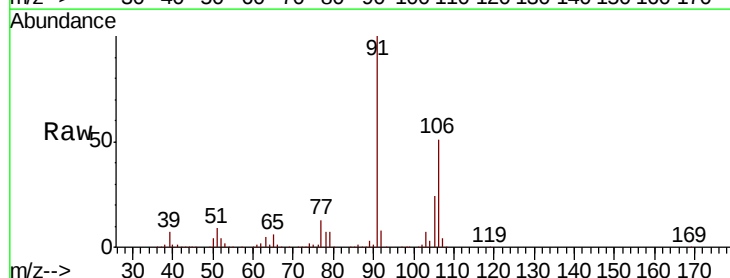
Acq: 28 Oct 2020 19:08

Tgt Ion: 106 Resp: 313766

Ion Ratio Lower Upper

106 100

91 195.1 134.2 249.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

500000

400000

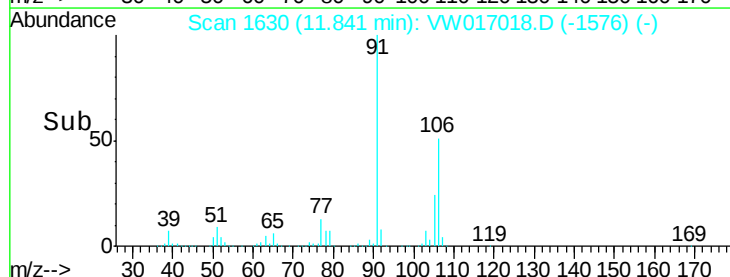
300000

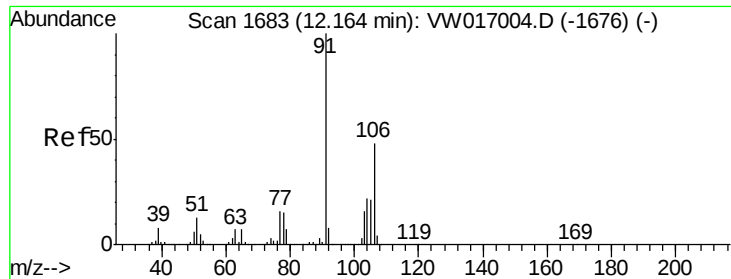
200000

100000

0

Time-->





#55

o-xylene

Concen: 27.114 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

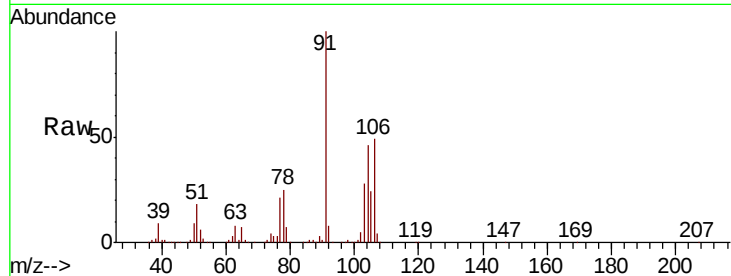
ClientSampled :

Tot Ion:106 Resp: 295717

Ion Ratio Lower Upper

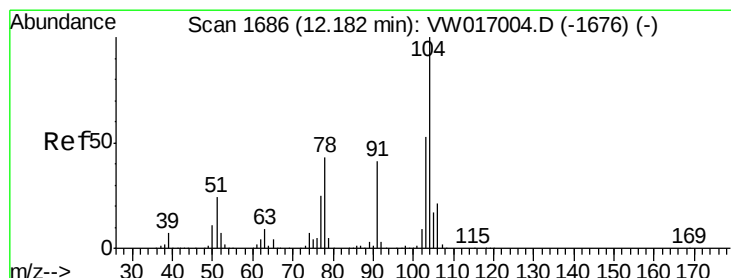
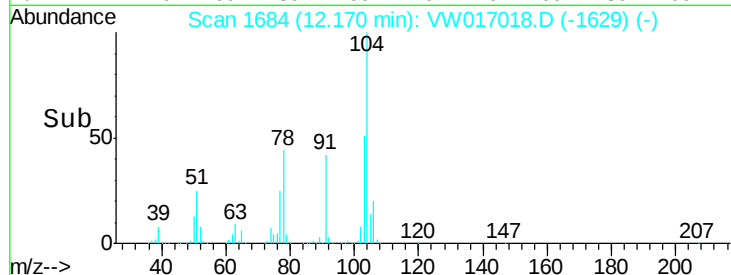
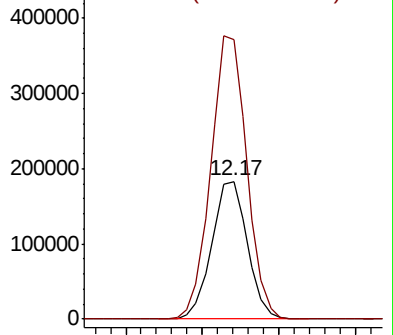
106 100

91 202.9 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.193 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017018.D

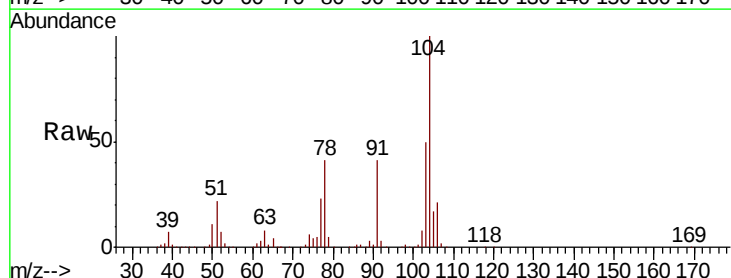
Acq: 28 Oct 2020 19:08

Tgt Ion:104 Resp: 514394

Ion Ratio Lower Upper

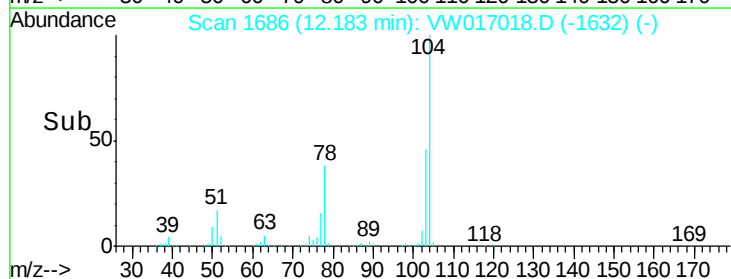
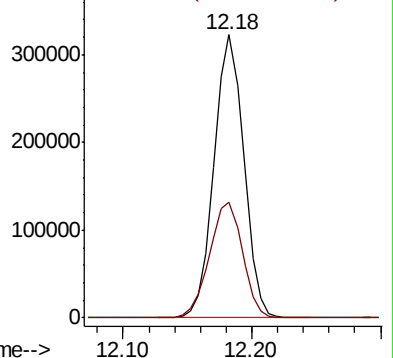
104 100

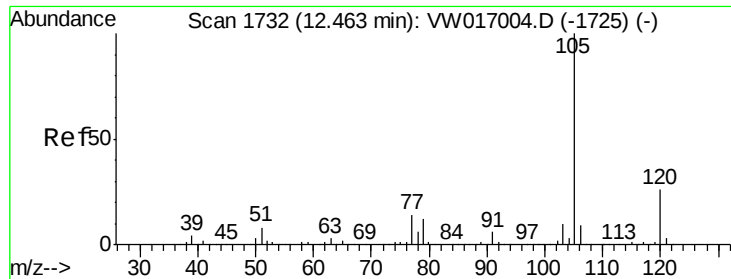
78 41.1 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.912 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

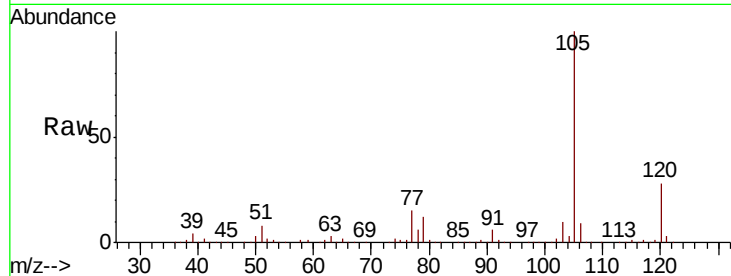
Tot Ion:105 Resp: 811857

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.2

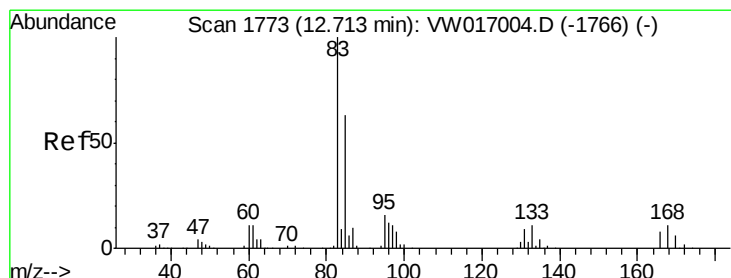
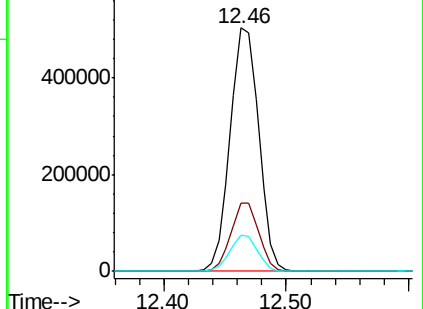
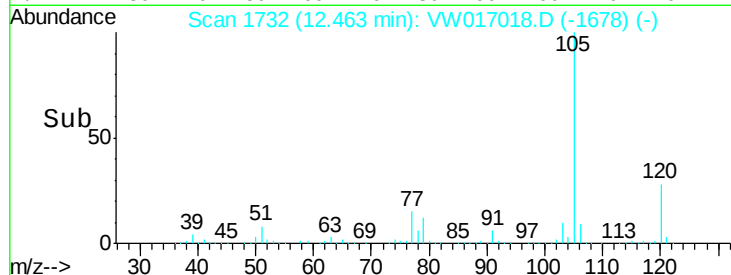
77 14.4 11.4 17.2



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: 28.195 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

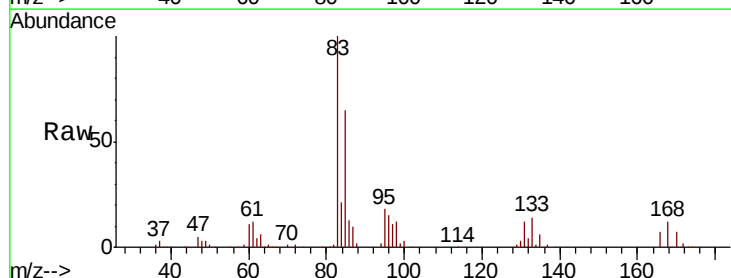
Tgt Ion: 83 Resp: 133052

Ion Ratio Lower Upper

83 100

85 65.4 45.1 83.7

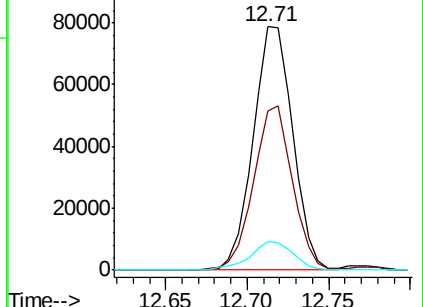
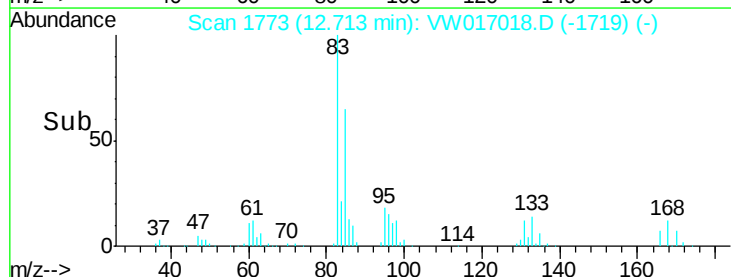
131 11.8 9.1 13.7

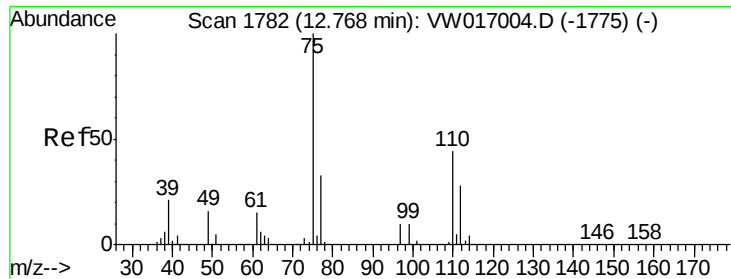


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.863 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

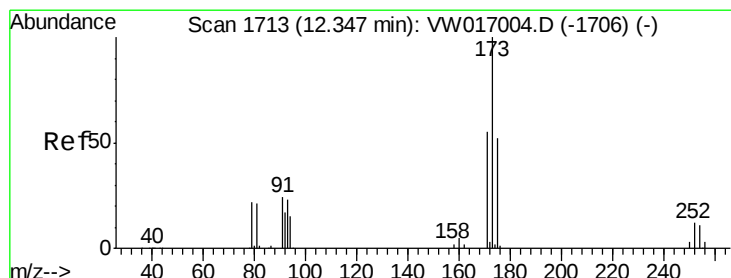
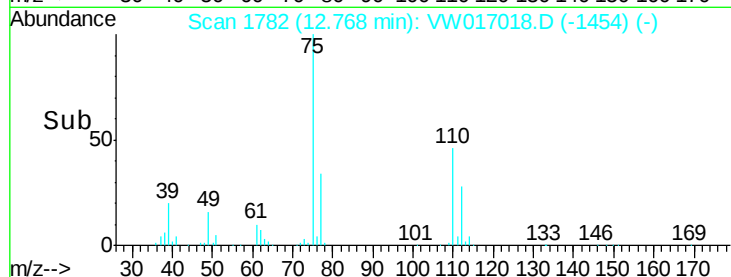
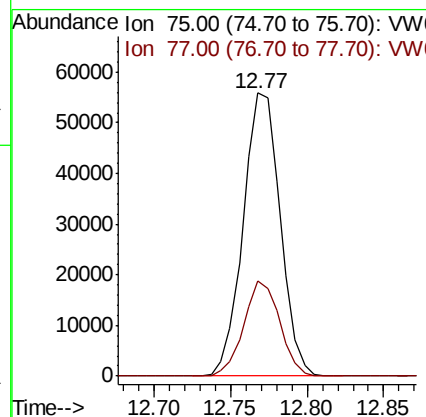
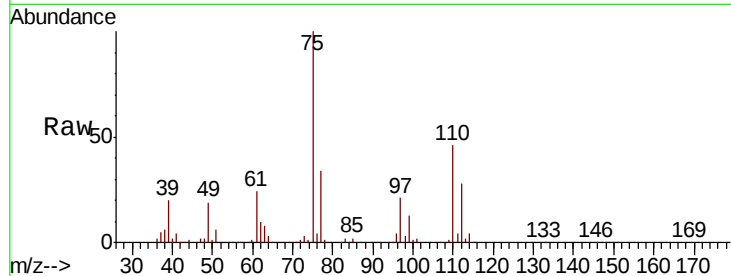
ClientSampled :

Tot Ion: 75 Resp: 94098

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8



#62

Bromoform

Concen: 27.575 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

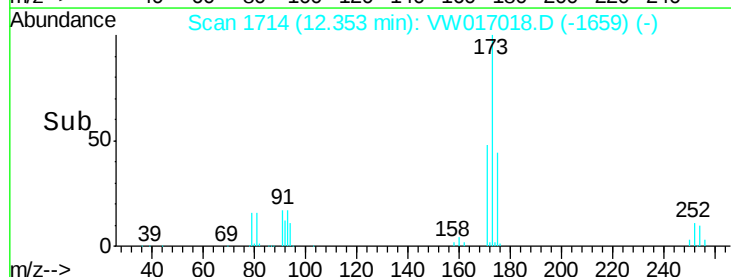
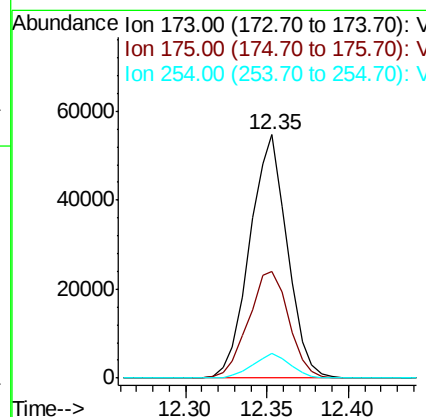
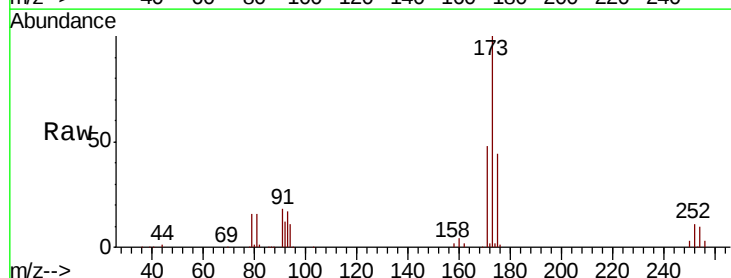
Tgt Ion: 173 Resp: 87627

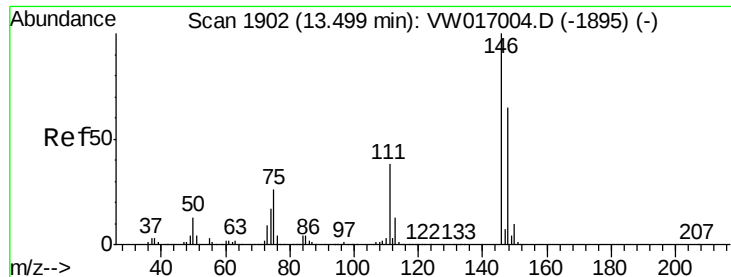
Ion Ratio Lower Upper

173 100

175 47.2 38.3 57.5

254 9.9 7.8 11.6

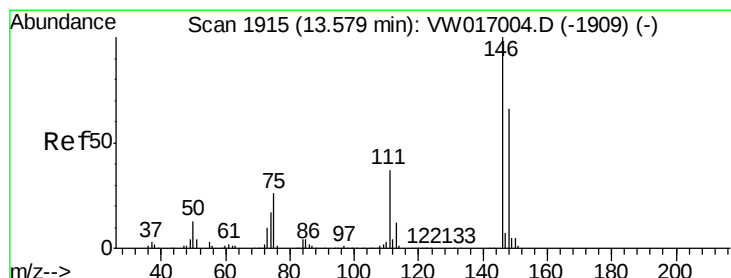
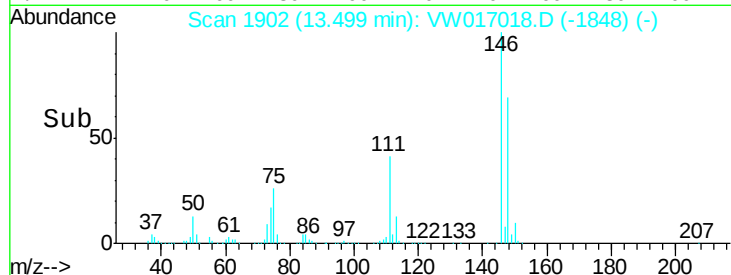
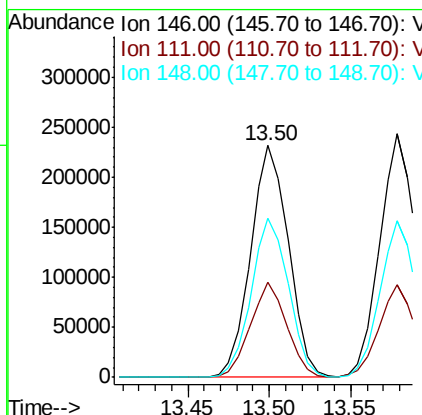
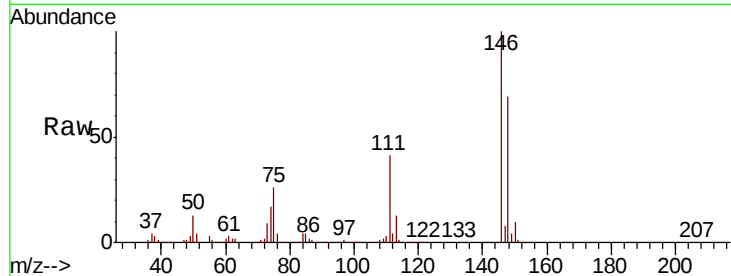




#63
 1,3-Dichlorobenzene
 Concen: 25.657 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

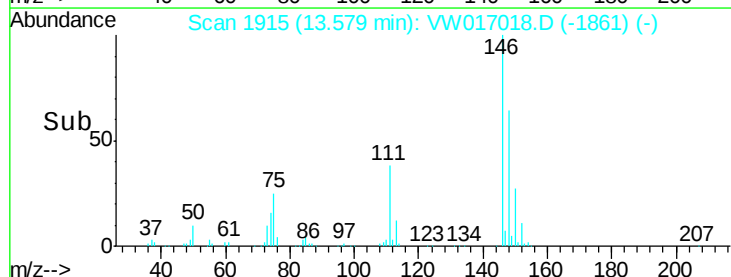
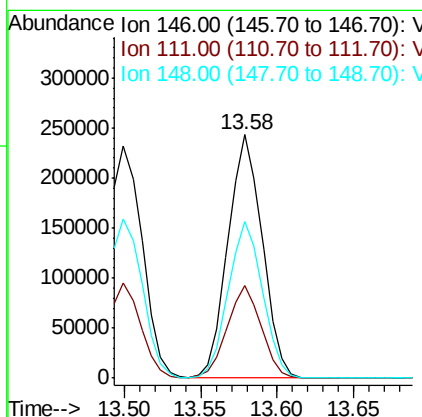
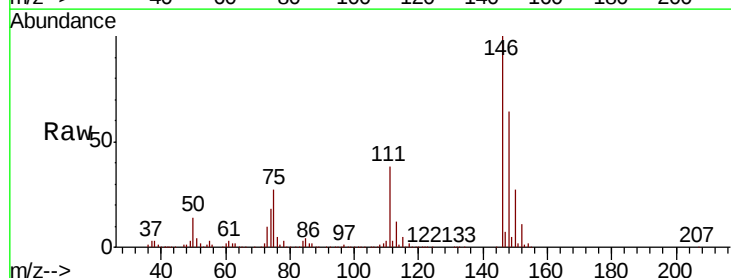
Instrument :
 MSVOA_W
 ClientSampleId :

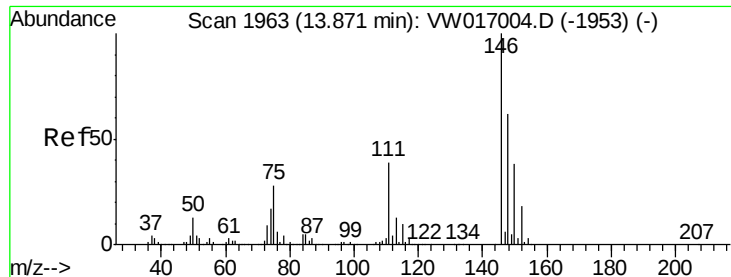
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	25.5	47.3
148	68.7	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 26.118 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	25.7	47.7
148	64.5	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 27.163 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

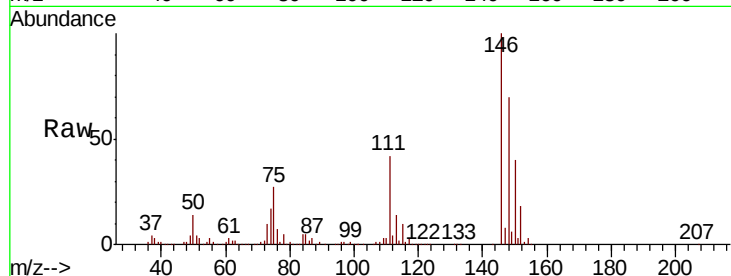
Tot Ion:146 Resp: 349645

Ion Ratio Lower Upper

146 100

111 41.5 31.4 47.0

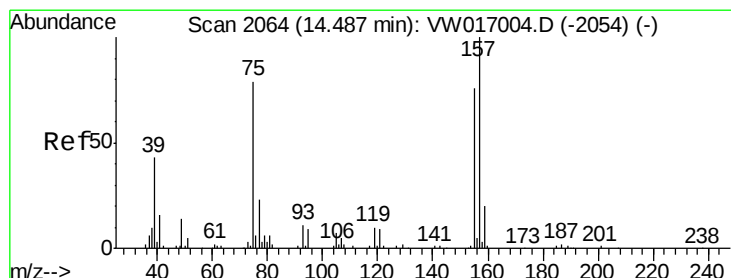
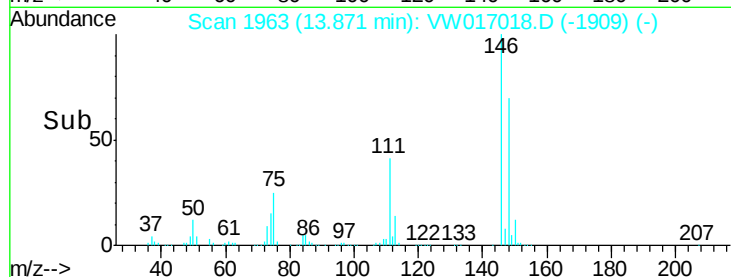
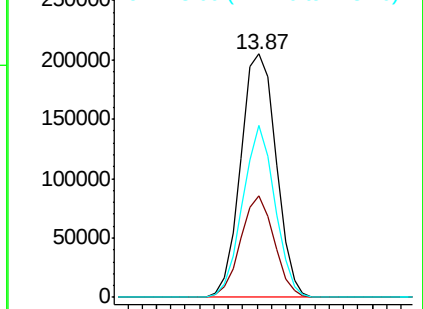
148 70.4 47.7 71.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.207 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

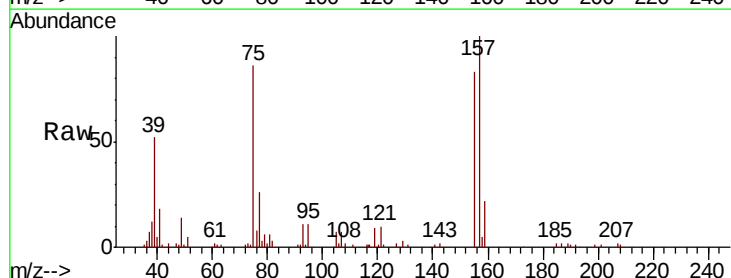
Tgt Ion: 75 Resp: 19751

Ion Ratio Lower Upper

75 100

157 115.6 102.5 153.7

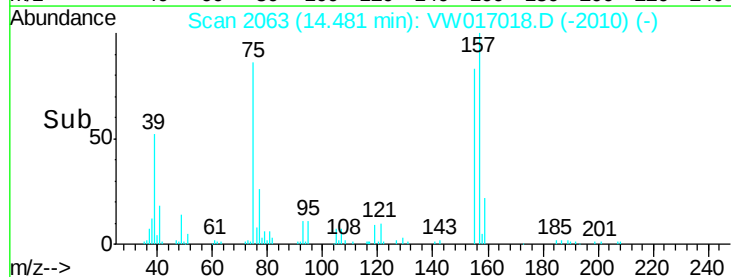
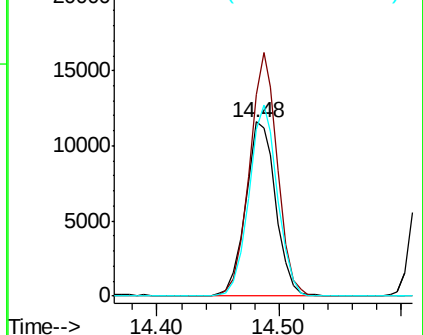
155 95.7 80.3 120.5

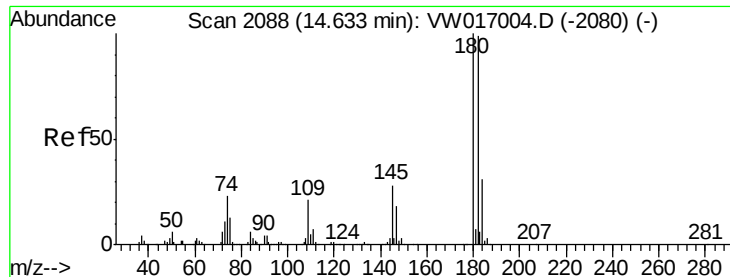


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

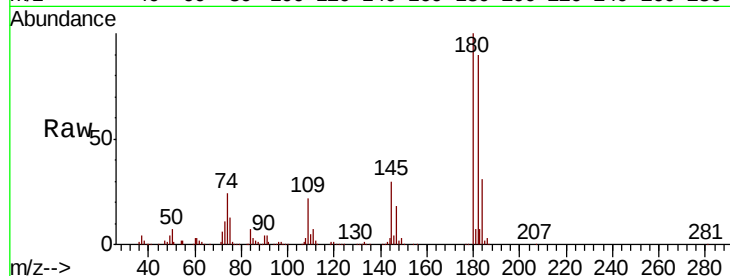




#67
 1,3,5-Trichlorobenzene
 Concen: 27.953 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	77.4	116.0
184	30.5	24.8	37.2
145	28.2	23.4	35.2

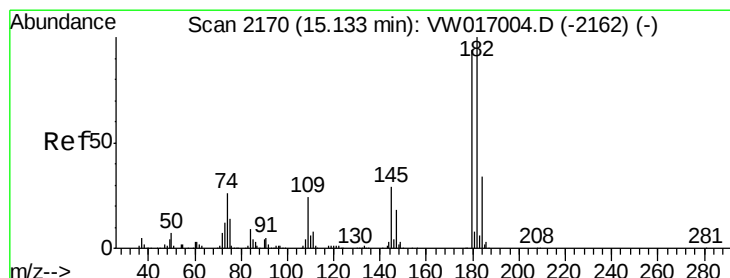
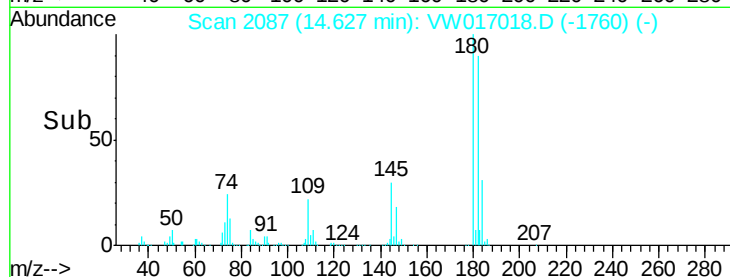
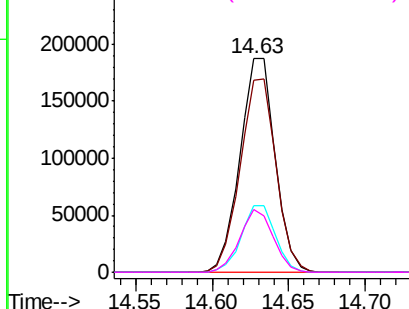


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

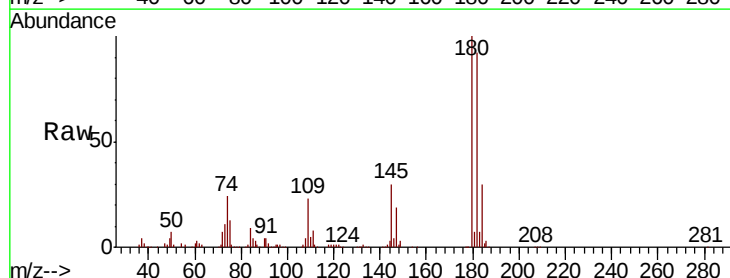
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.879 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017018.D
 Acq: 28 Oct 2020 19:08

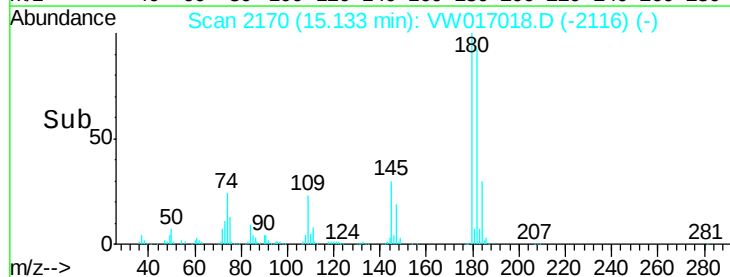
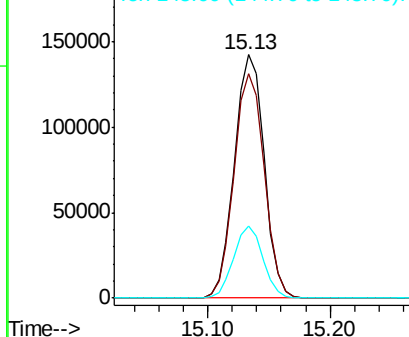
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.6	114.8
145	29.0	23.4	35.0

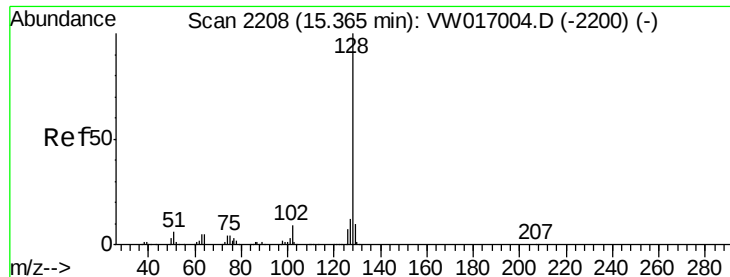


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.581 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

Instrument :

MSVOA_W

ClientSampleId :

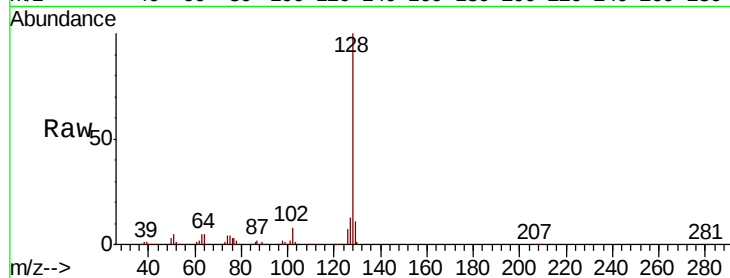
Tot Ion:128 Resp: 410626

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

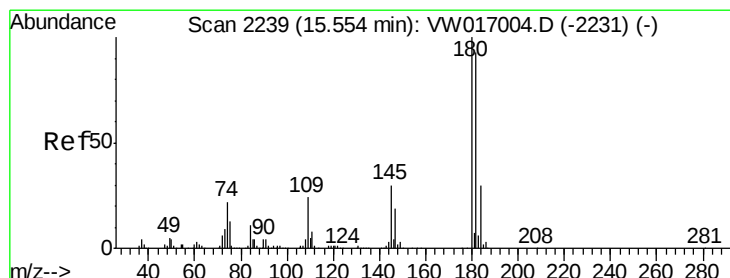
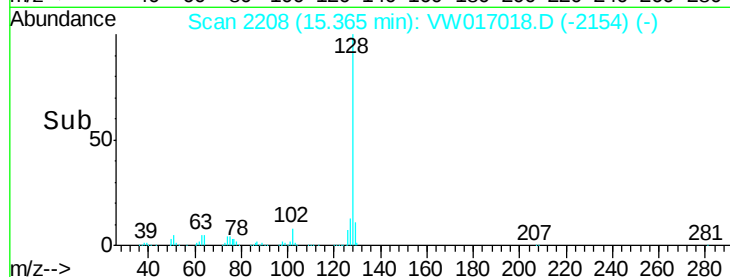
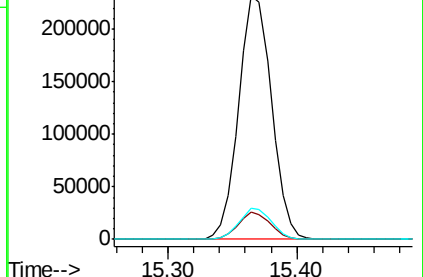
127 12.6 10.0 15.0



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: 27.909 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017018.D

Acq: 28 Oct 2020 19:08

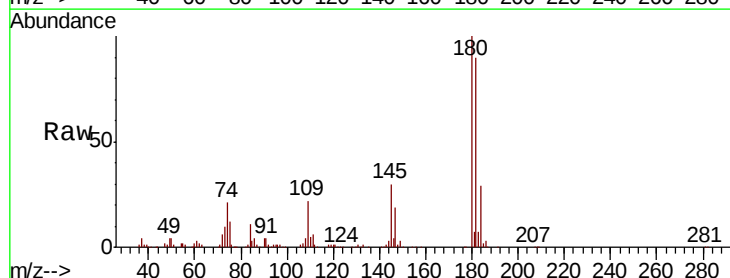
Tgt Ion:180 Resp: 201328

Ion Ratio Lower Upper

180 100

182 99.4 76.8 115.2

145 31.9 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

