

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
 Data File : VW015848.D
 Acq On : 13 Jul 2020 17:20
 Operator : SY/VA
 Sample : L3264-02
 Misc : 5.71G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG069

Quant Time: Jul 14 03:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 03:37:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	339894	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314474	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	115191	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131857	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	2.89	69	119781	20.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.52%
10) 1,1-Dichloroethene-d2	4.01	63	122565	15.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.04%
20) 2-Butanone-d5	7.09	46	34819	38.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.78%
24) Chloroform-d	7.65	84	185323	20.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.08%
26) 1,2-Dichloroethane-d4	8.31	65	102434	20.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.36%
29) Benzene-d6	8.27	84	387676	22.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.80%
33) 1,2-Dichloropropane-d6	9.28	67	110122	22.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.68%
37) Toluene-d8	10.33	98	386856	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.48%
38) trans-1,3-Dichloropropene-	10.58	79	44594	20.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.16%
39) 2-Hexanone-d5	10.93	63	30507	42.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	75326	18.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	100677	23.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.04%

Target Compounds

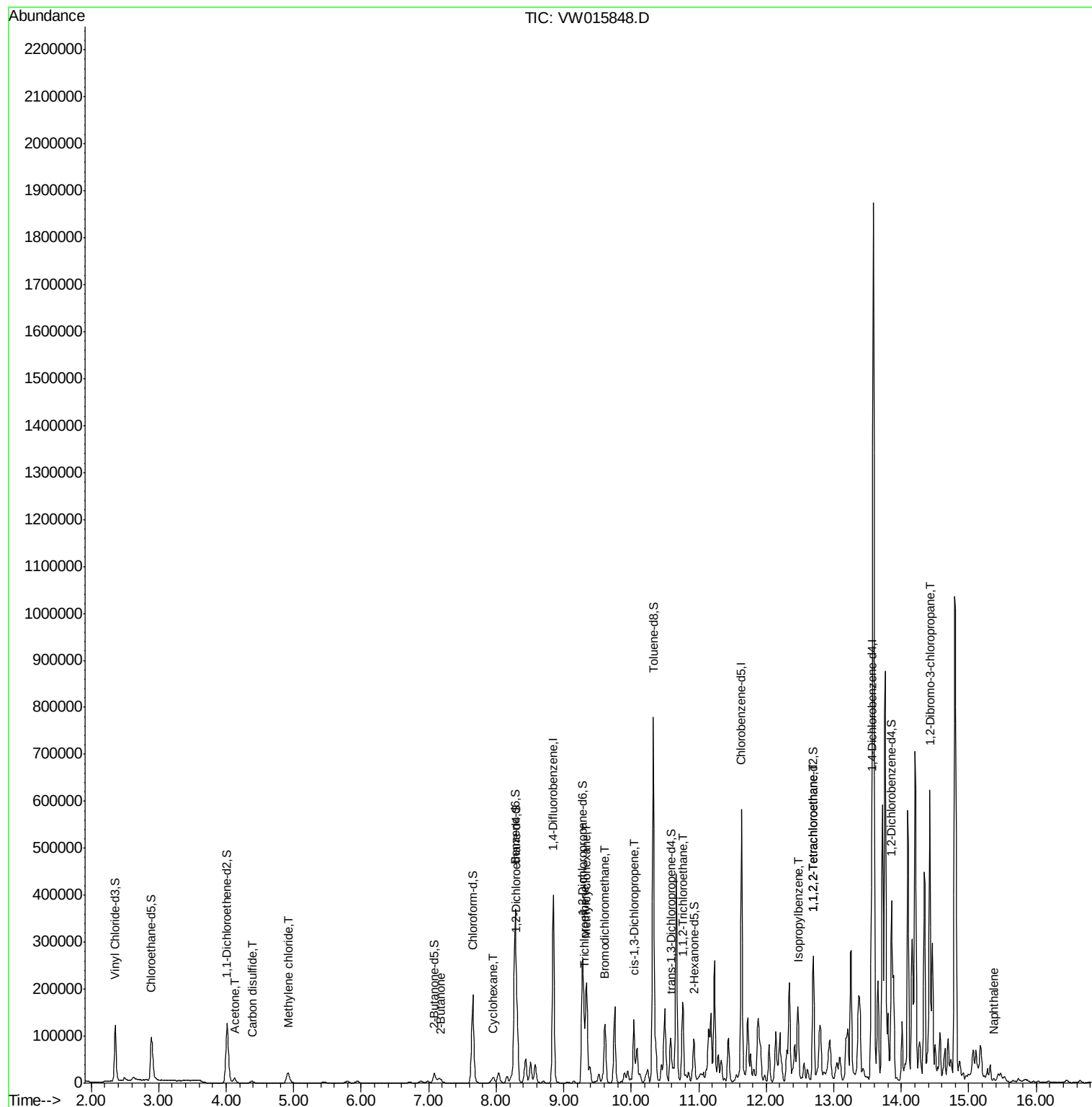
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	16752	24.219	ug/L	98
14) Carbon disulfide	4.39	76	4200	0.355	ug/L	97
16) Methylene chloride	4.91	84	17513	3.888	ug/L	95
21) 2-Butanone	7.18	43	7323	7.791	ug/L #	67
30) Cyclohexane	7.96	56	6058	0.944	ug/L #	81
35) Trichloroethene	9.31	95	3561	0.749	ug/L #	1
36) Methylcyclohexane	9.34	83	82649	10.161	ug/L #	77
41) Bromodichloromethane	9.62	83	3766	0.664	ug/L #	36
42) cis-1,3-Dichloropropene	10.04	75	3765	0.602	ug/L #	60
46) 1,1,2-Trichloroethane	10.76	97	65491	20.323	ug/L #	19
57) Isopropylbenzene	12.47	105	96682	4.332	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.70	83	2785	0.758	ug/L #	55
66) 1,2-Dibromo-3-chloropropan	14.42	75	3246	7.989	ug/L #	3
69) Naphthalene	15.37	128	4288	0.637	ug/L #	93

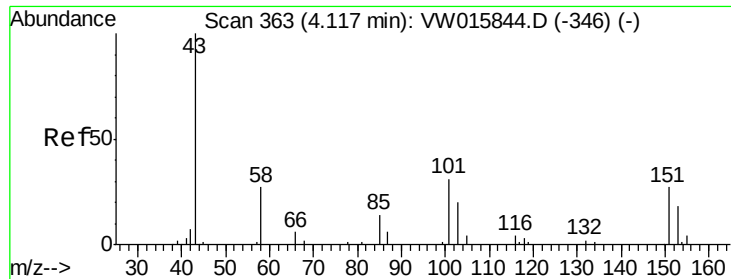
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 24.219 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015848.D

Acq: 13 Jul 2020 17:20

Instrument :

MSVOA_W

ClientSampled :

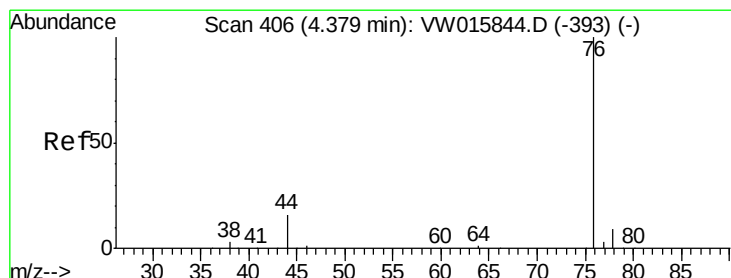
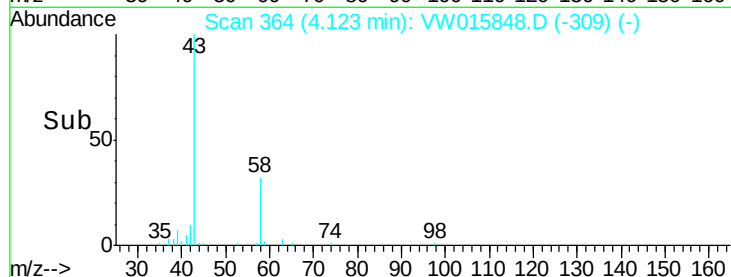
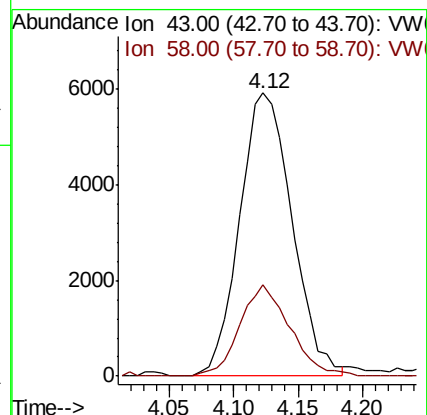
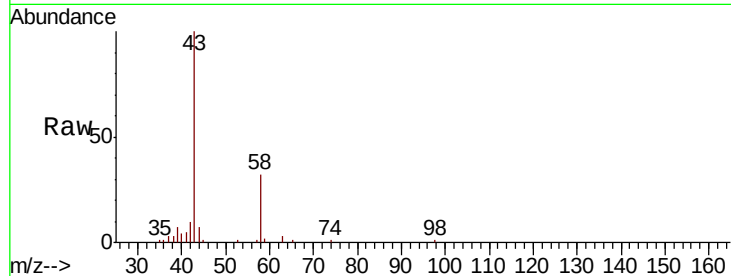
BG069

Tot Ion: 43 Resp: 16752

Ion Ratio Lower Upper

43 100

58 30.7 0.0 59.4



#14

Carbon disulfide

Concen: 0.355 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015848.D

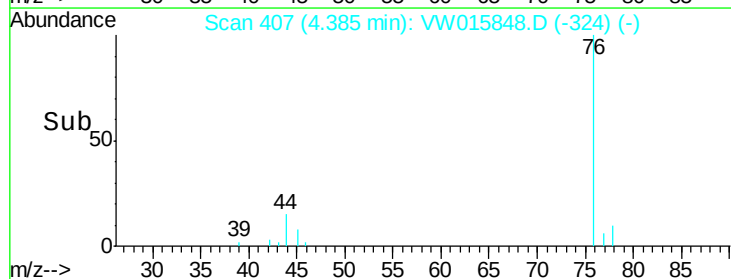
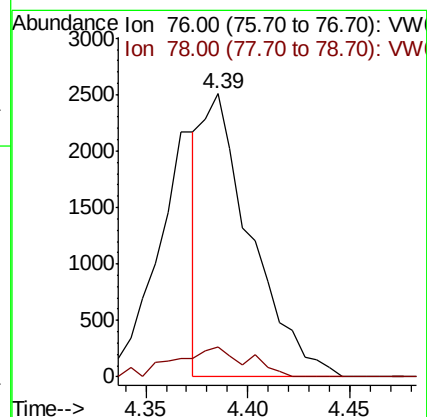
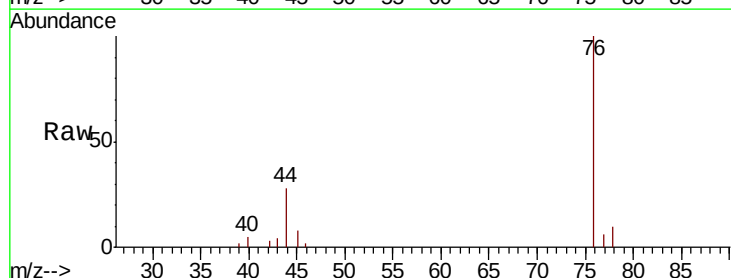
Acq: 13 Jul 2020 17:20

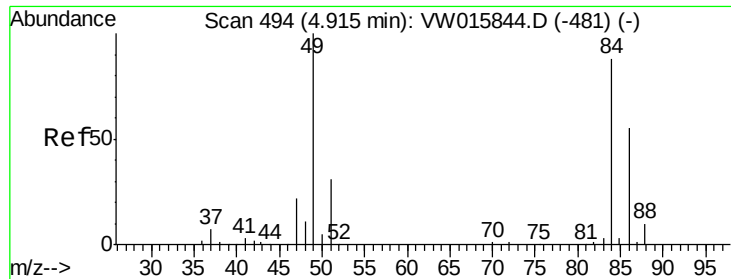
Tgt Ion: 76 Resp: 4200

Ion Ratio Lower Upper

76 100

78 10.4 7.4 11.2

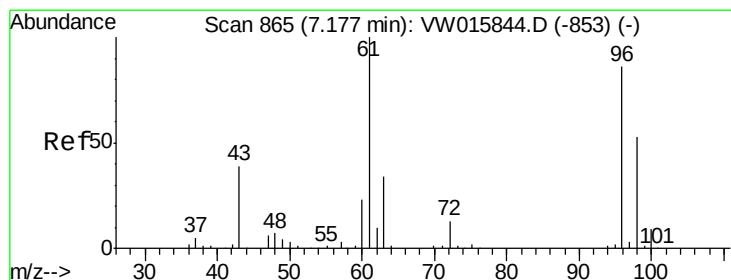
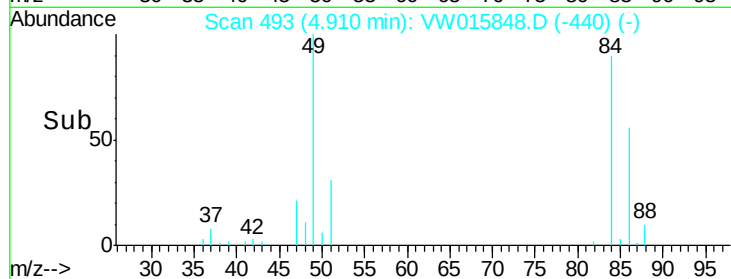
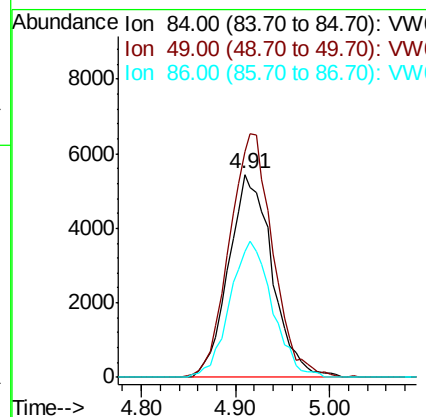
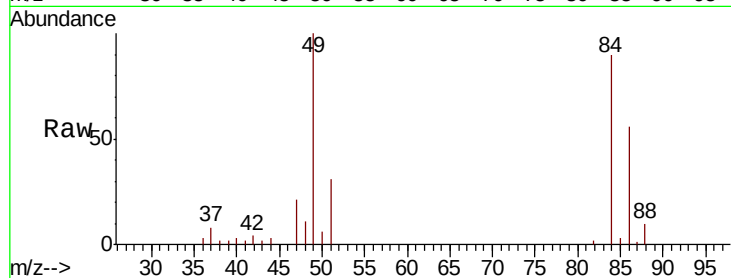




#16
Methylene chloride
Concen: 3.888 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

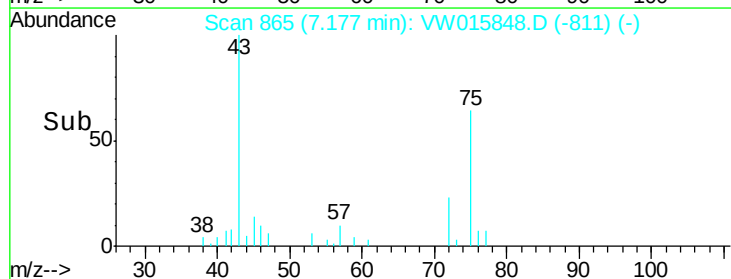
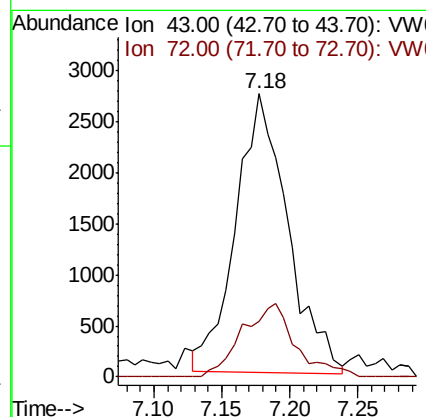
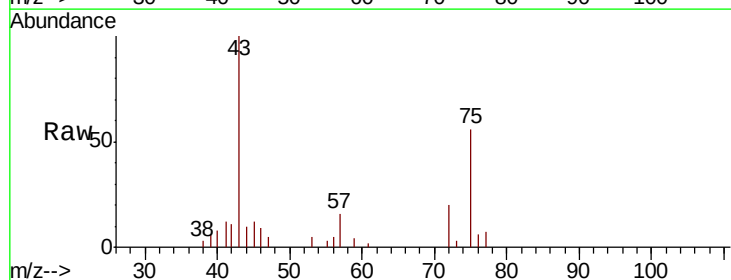
Instrument :
MSVOA_W
ClientSampleId :
BG069

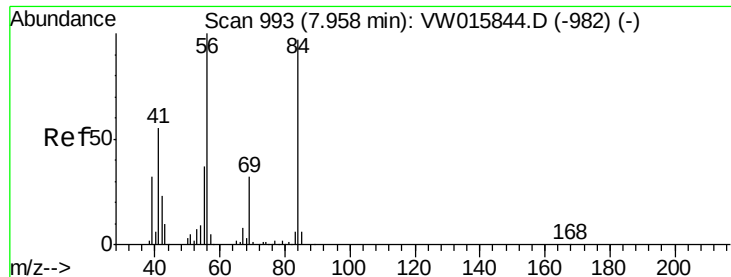
Tot Ion: 84 Resp: 17513
Ion Ratio Lower Upper
84 100
49 111.2 82.5 153.1
86 62.3 45.4 84.2



#21
2-Butanone
Concen: 7.791 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

Tgt Ion: 43 Resp: 7323
Ion Ratio Lower Upper
43 100
72 12.8 15.6 46.7#

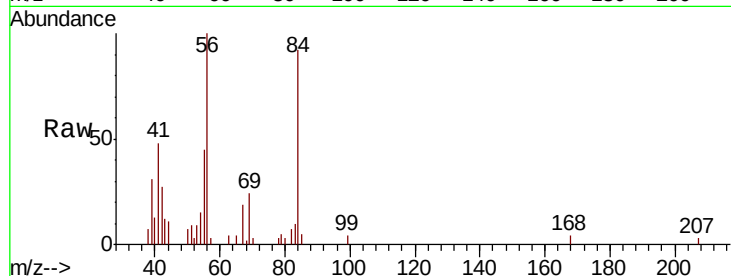




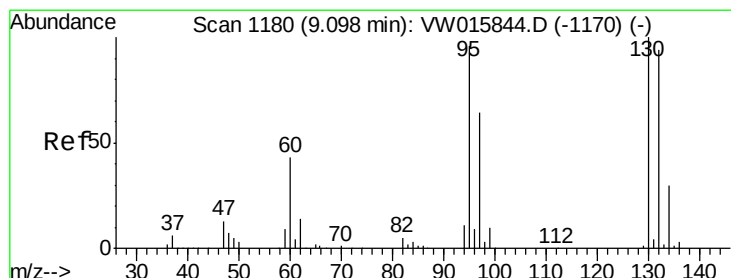
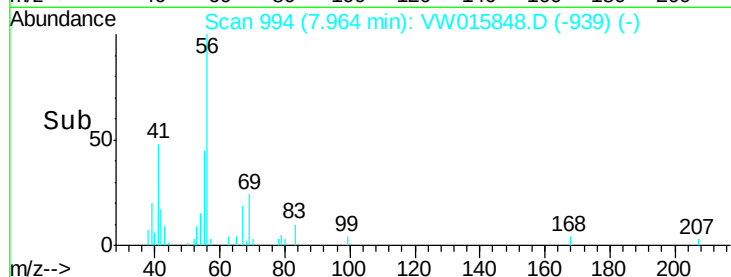
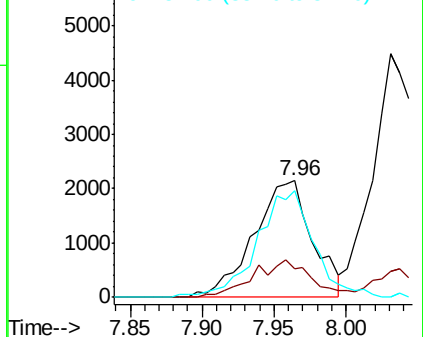
#30
Cvclohexane
Concen: 0.944 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

Instrument :
MSVOA_W
ClientSampleId :
BG069

Tot Ion: 56 Resp: 6058
Ion Ratio Lower Upper
56 100
69 16.5 25.8 38.8#
84 82.4 78.3 117.5

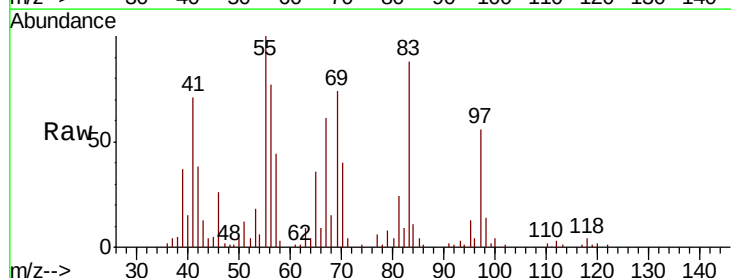


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

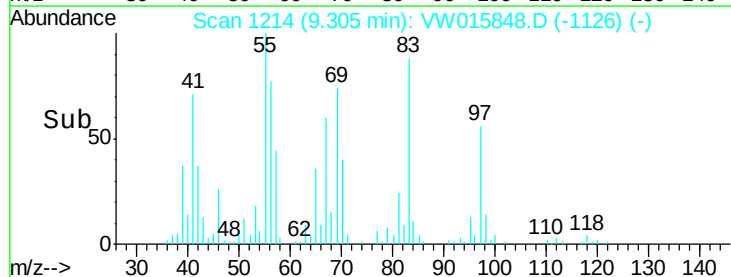
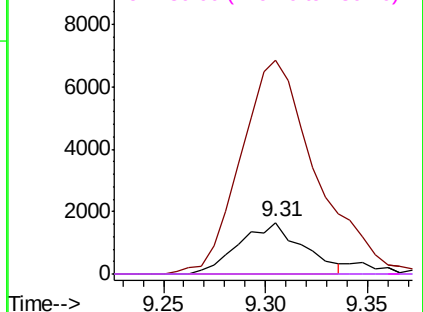


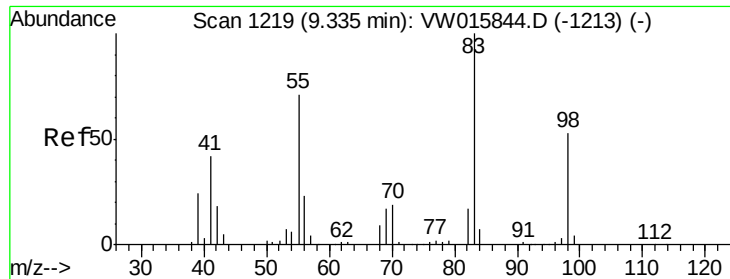
#35
Trichloroethene
Concen: 0.749 ug/L
RT: 9.31 min Scan# 1214
Delta R.T. 0.21 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

Tgt Ion: 95 Resp: 3561
Ion Ratio Lower Upper
95 100
97 496.5 44.6 82.8#
132 0.0 67.0 124.4#
130 0.0 70.1 130.1#



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

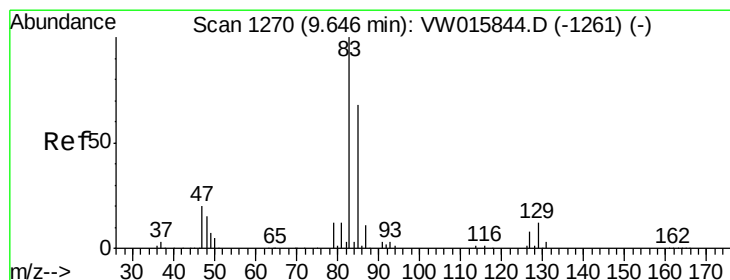
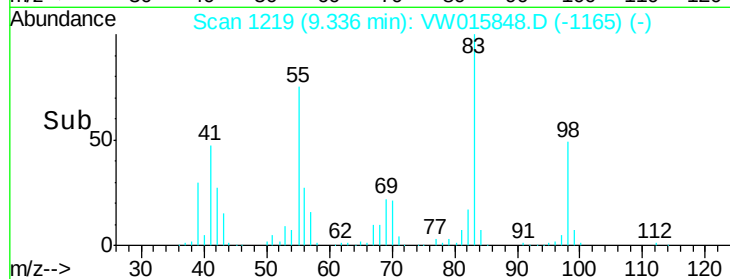
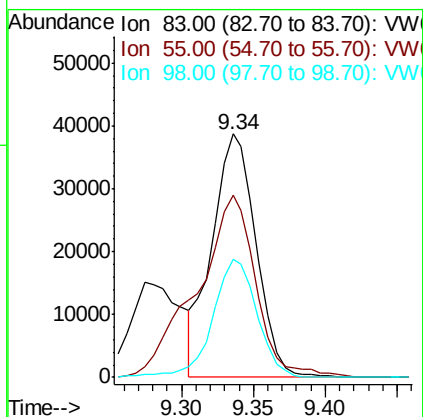
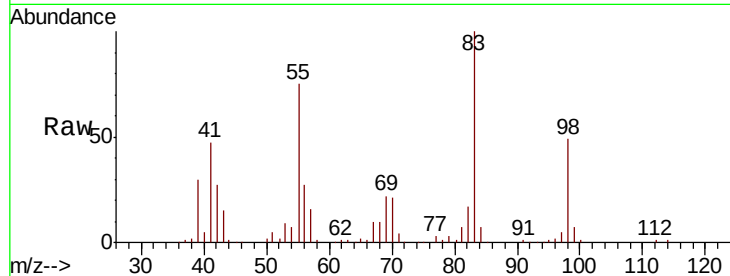




#36
Methvlcvclohexane
Concen: 10.161 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

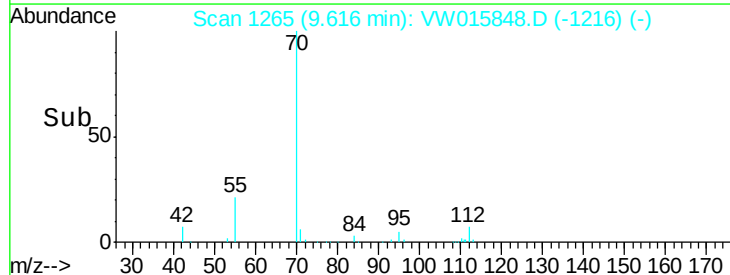
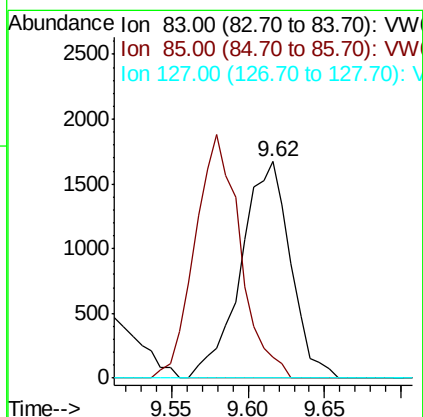
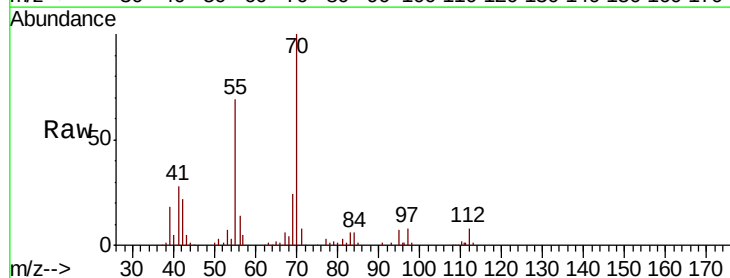
Instrument :
MSVOA_W
ClientSampled :
BG069

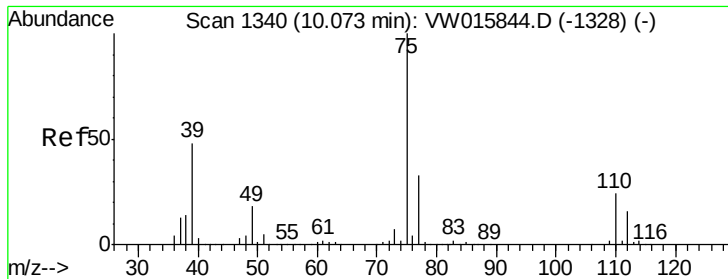
Tot Ion: 83 Resp: 82649
Ion Ratio Lower Upper
83 100
55 100.8 55.5 83.3#
98 49.1 40.2 60.4



#41
Bromodichloromethane
Concen: 0.664 ug/L
RT: 9.62 min Scan# 1265
Delta R.T. -0.03 min
Lab File: VW015848.D
Acq: 13 Jul 2020 17:20

Tgt Ion: 83 Resp: 3766
Ion Ratio Lower Upper
83 100
85 9.6 44.6 82.8#
127 0.0 6.8 10.2#





#42

cis-1,3-Dichloropropene

Concen: 0.602 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015848.D

Acq: 13 Jul 2020 17:20

Instrument :

MSVOA_W

ClientSampled :

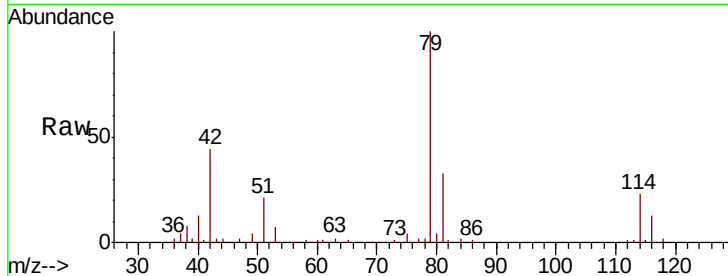
BG069

Tot Ion: 75 Resp: 3765

Ion Ratio Lower Upper

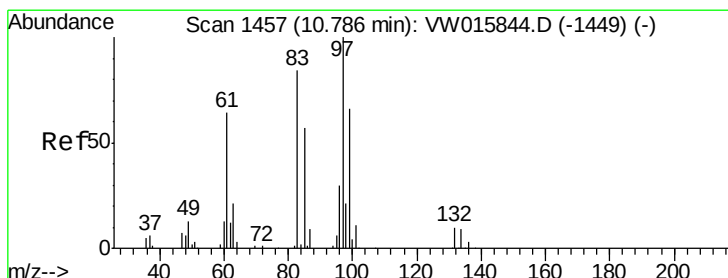
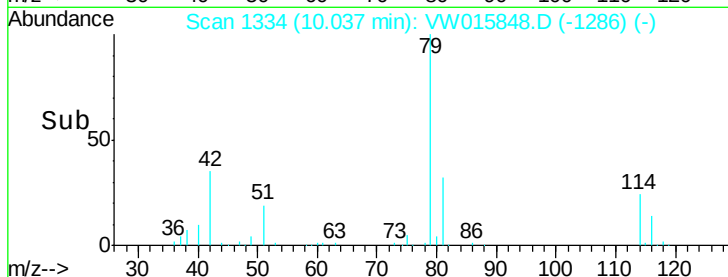
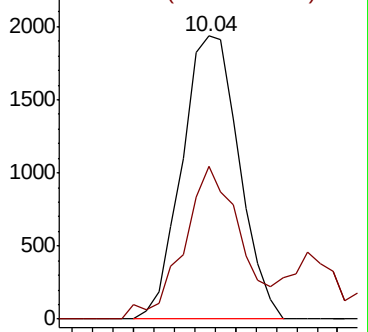
75 100

77 54.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 20.323 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW015848.D

Acq: 13 Jul 2020 17:20

Tgt Ion: 97 Resp: 65491

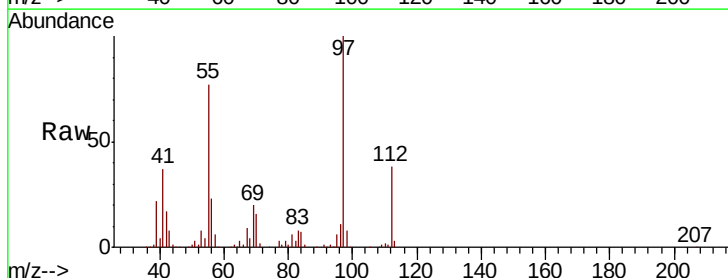
Ion Ratio Lower Upper

97 100

83 7.8 60.3 112.1#

85 1.1 38.6 71.6#

99 0.3 42.6 79.2#

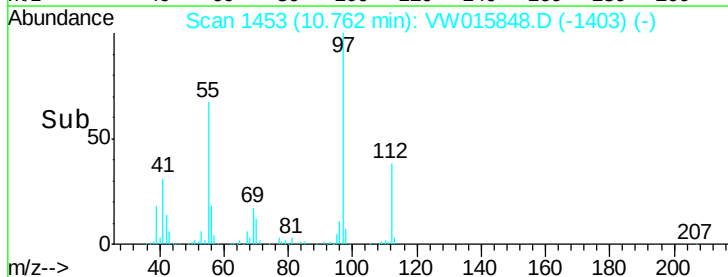
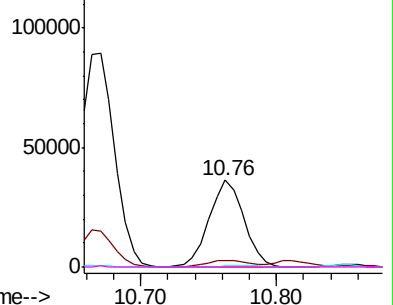


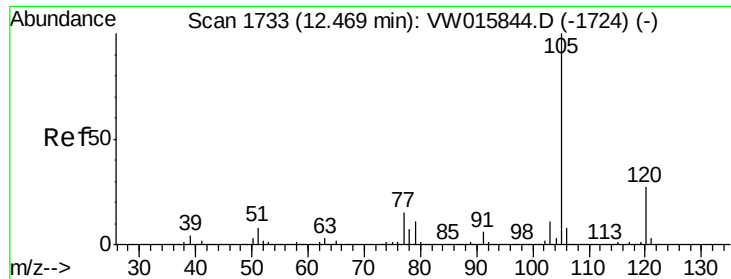
Abundance Ion 97.00 (96.70 to 97.70): VW

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





#57

Isopropylbenzene

Concen: 4.332 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015848.D

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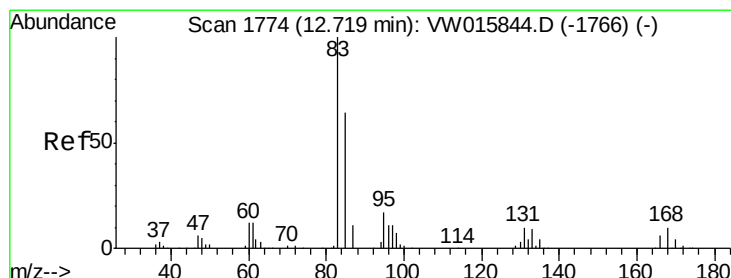
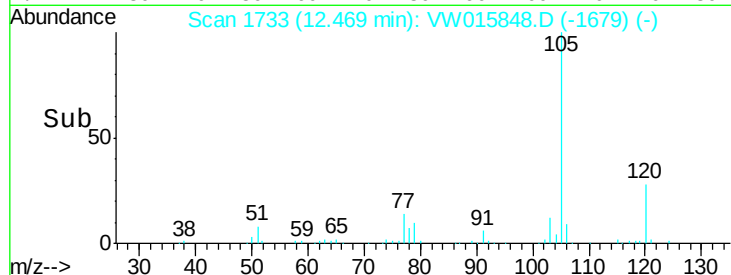
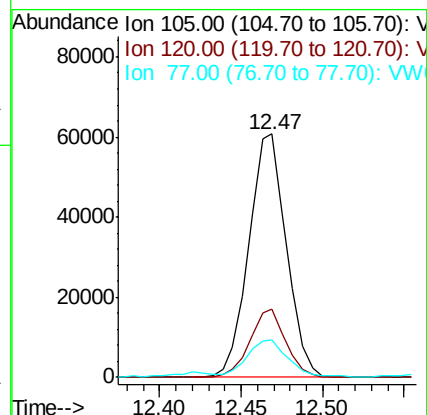
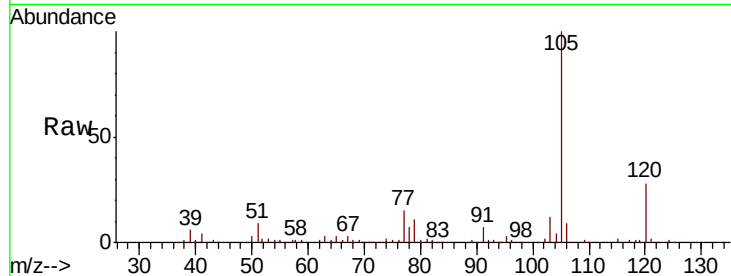
Tot Ion:105 Resp: 96682

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

77 16.4 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 0.758 ug/L

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW015848.D

Acq: 13 Jul 2020 17:20

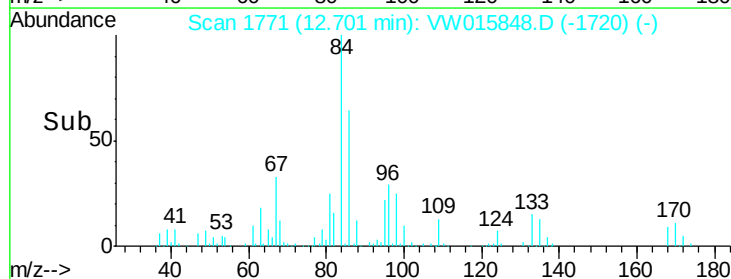
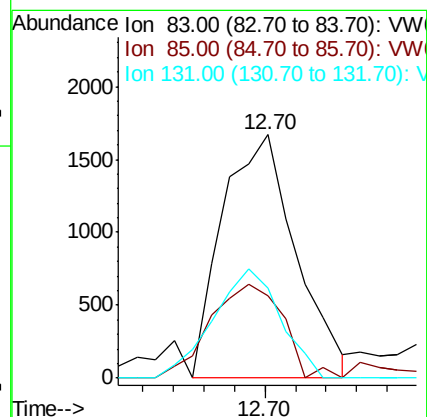
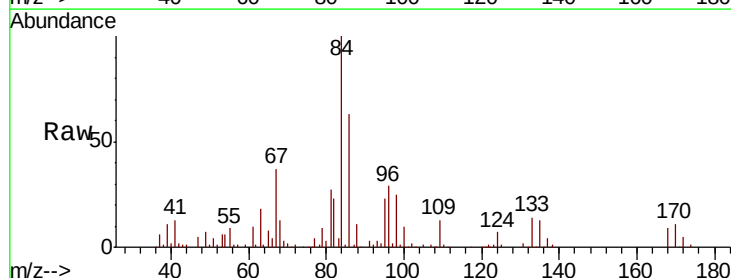
Tgt Ion: 83 Resp: 2785

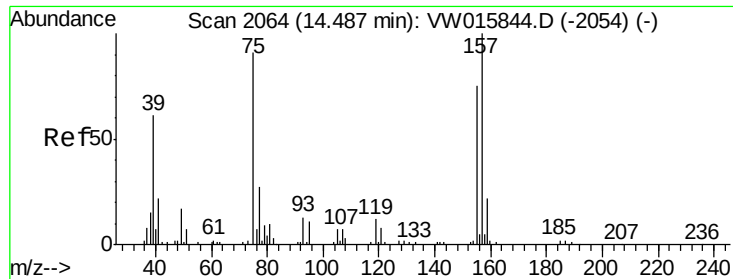
Ion Ratio Lower Upper

83 100

85 33.9 46.2 85.8#

131 37.0 8.1 12.1#

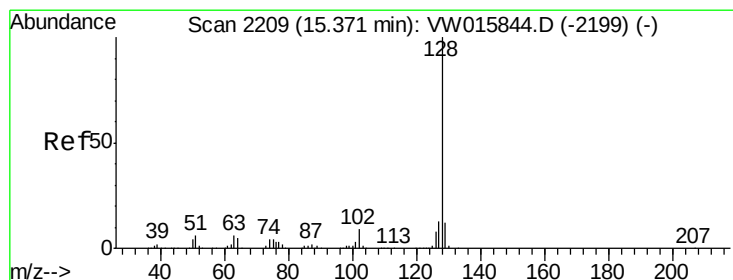
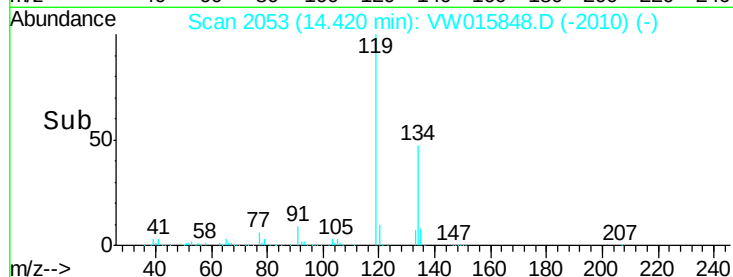
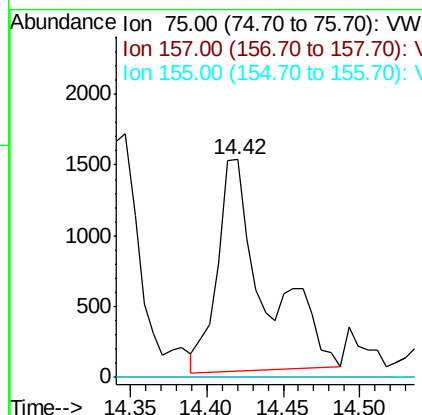
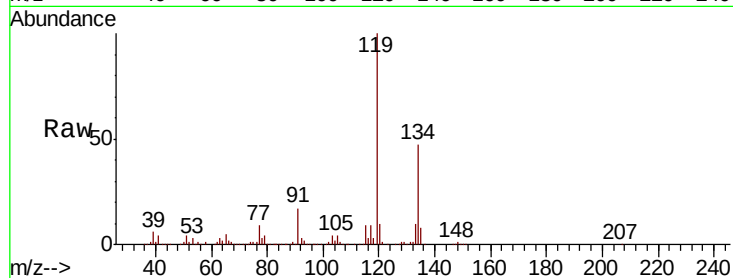




#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.989 ug/L
 RT: 14.42 min Scan# 2053
 Delta R.T. -0.07 min
 Lab File: VW015848.D
 Acq: 13 Jul 2020 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BG069

Tot Ion: 75 Resp: 3246
 Ion Ratio Lower Upper
 75 100
 157 0.0 82.2 123.2#
 155 0.0 67.7 101.5#



#69
 Naphthalene
 Concen: 0.637 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW015848.D
 Acq: 13 Jul 2020 17:20

Tgt Ion: 128 Resp: 4288
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.6 13.0
 127 18.4 10.7 16.1#

