

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016836.D
 Acq On : 07 Oct 2020 16:25
 Operator : SY/VA
 Sample : L4284-03
 Misc : 5.54G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W0

Quant Time: Oct 08 08:41:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 08:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	74494	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	68483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	25963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	19725	26.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.36%
7) Chloroethane-d5	2.89	69	19019	30.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.40%
10) 1,1-Dichloroethene-d2	4.03	63	29597	18.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.88%
20) 2-Butanone-d5	7.09	46	11018	66.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.38%
24) Chloroform-d	7.65	84	45147	28.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.88%
26) 1,2-Dichloroethane-d4	8.31	65	25584	33.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	134.80%#
29) Benzene-d6	8.28	84	87284	28.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.24%
33) 1,2-Dichloropropane-d6	9.28	67	25989	31.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.36%#
37) Toluene-d8	10.33	98	76415	26.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.16%
38) trans-1,3-Dichloropropene-	10.58	79	6710	18.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.80%
39) 2-Hexanone-d5	10.93	63	7196	55.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20716	30.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.72%#
61) 1,2-Dichlorobenzene-d4	13.85	152	25456	30.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	123.64%#

Target Compounds

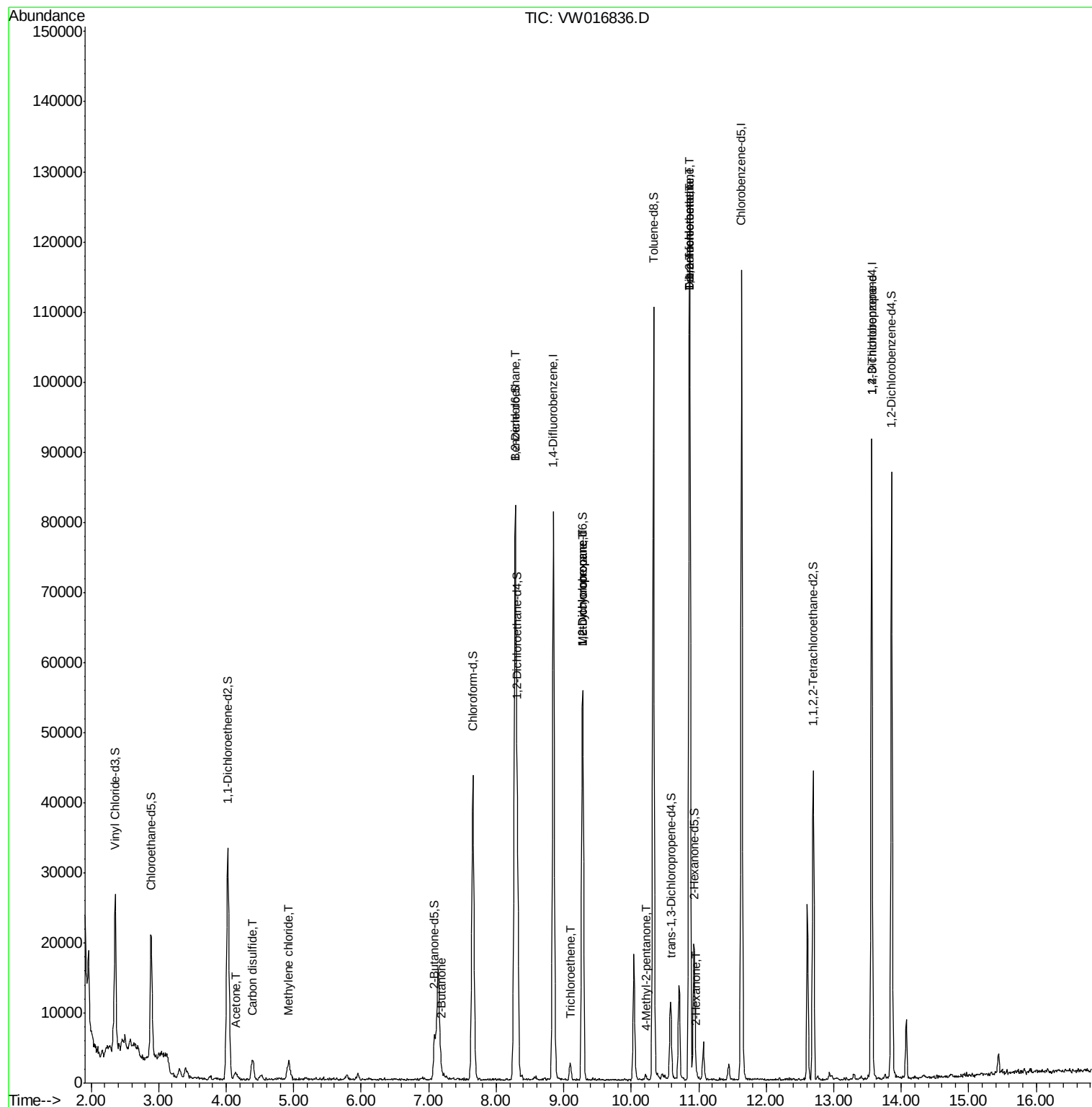
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.15	43	1070	8.494	ug/L	84
14) Carbon disulfide	4.39	76	5500	1.992	ug/L	99
16) Methylene chloride	4.92	84	1516	1.475	ug/L #	69
21) 2-Butanone	7.19	43	181	0.856	ug/L	78
27) 1,2-Dichloroethane	8.29	62	348	0.348	ug/L #	72
35) Trichloroethene	9.09	95	925	0.889	ug/L	93
36) Methylcyclohexane	9.28	83	6886	3.937	ug/L #	21
40) 1,2-Dichloropropane	9.28	63	3042	3.658	ug/L #	83
43) 4-Methyl-2-pentanone	10.23	43	620	1.481	ug/L #	58
46) 1,1,2-Trichloroethane	10.86	97	228	0.337	ug/L #	24
47) Tetrachloroethene	10.87	164	29063	30.135	ug/L	92
49) 2-Hexanone	10.97	43	133	0.481	ug/L #	54
50) Dibromochloromethane	10.87	129	26575	31.622	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	2872	5.307	ug/L	91

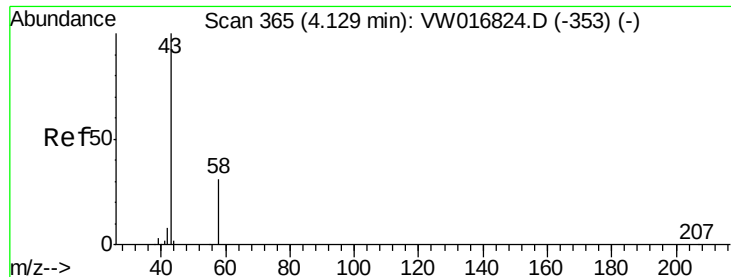
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 08 08:32:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 8.494 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW016836.D

Acq: 07 Oct 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

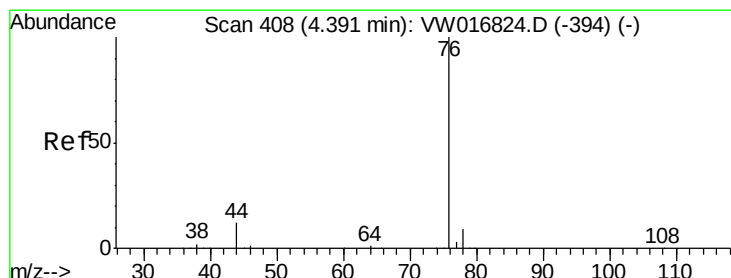
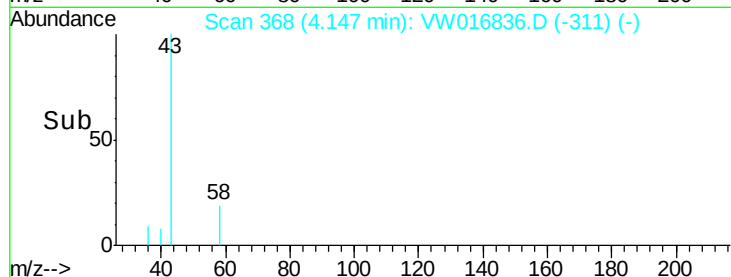
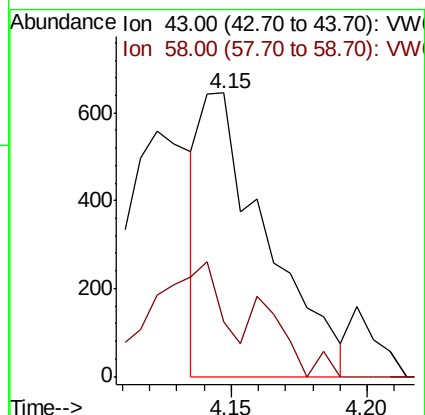
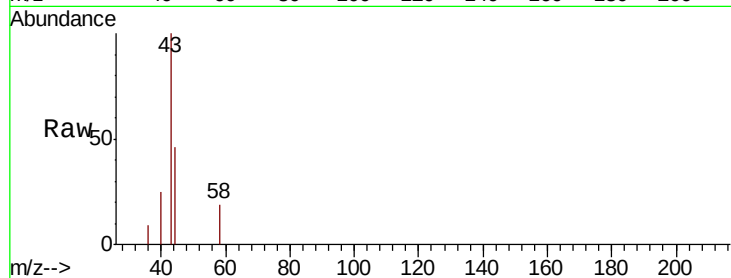
BG3W0

Tot Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

58 43.1 0.0 67.6



#14

Carbon disulfide

Concen: 1.992 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016836.D

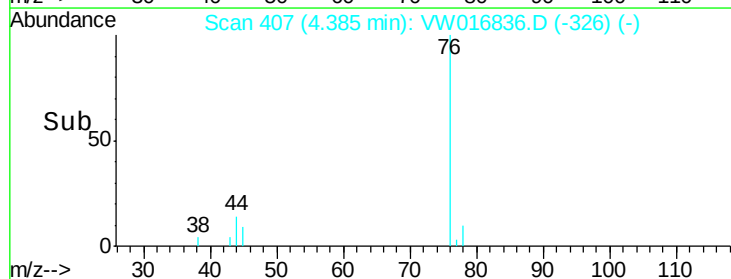
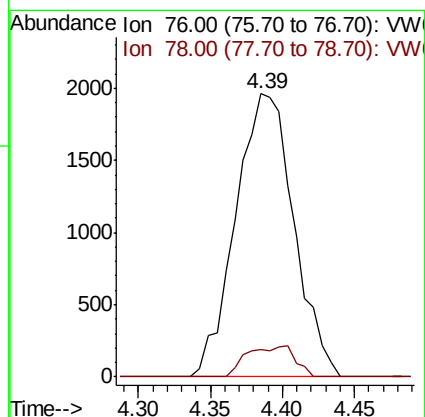
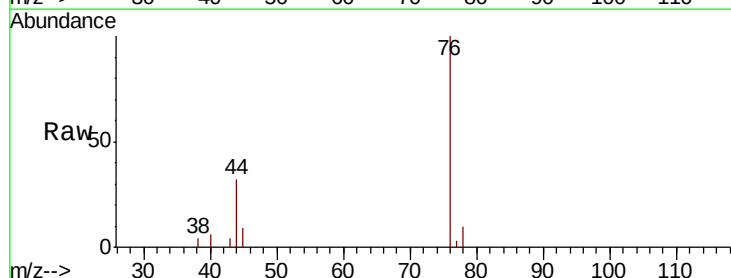
Acq: 07 Oct 2020 16:25

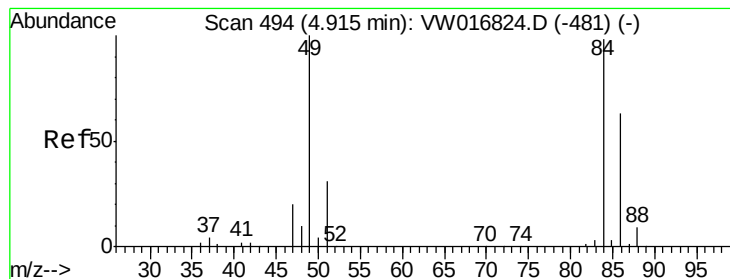
Tgt Ion: 76 Resp: 5500

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





#16

Methylene chloride

Concen: 1.475 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016836.D

Acq: 07 Oct 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

BG3W0

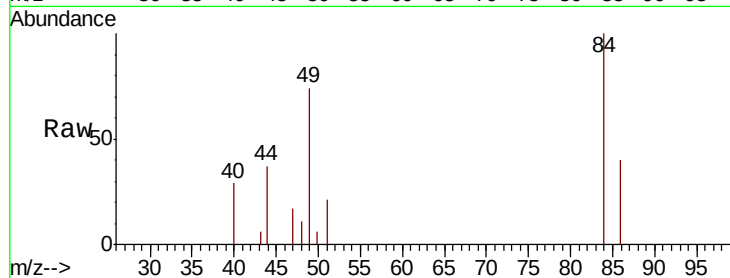
Tot Ion: 84 Resp: 1516

Ion Ratio Lower Upper

84 100

49 74.5 73.1 135.8

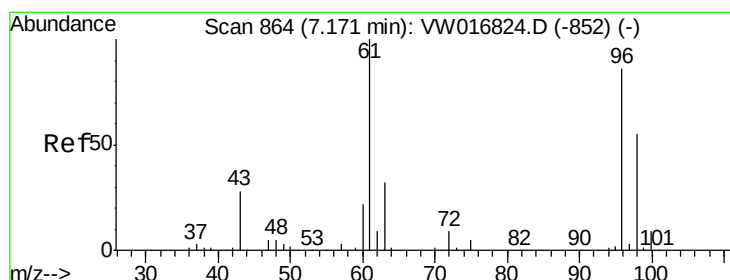
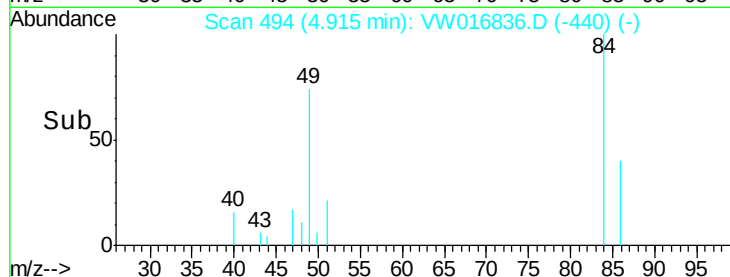
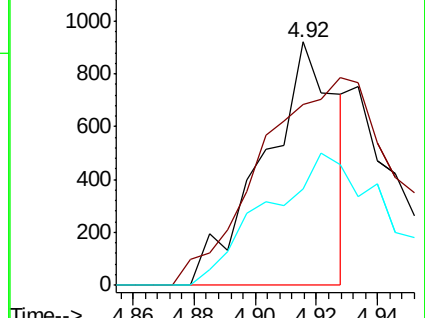
86 39.6 46.0 85.4#



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#21

2-Butanone

Concen: 0.856 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW016836.D

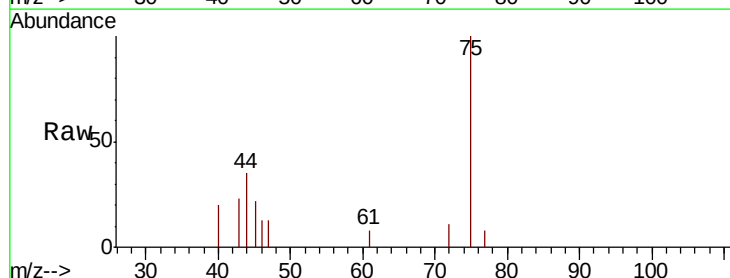
Acq: 07 Oct 2020 16:25

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

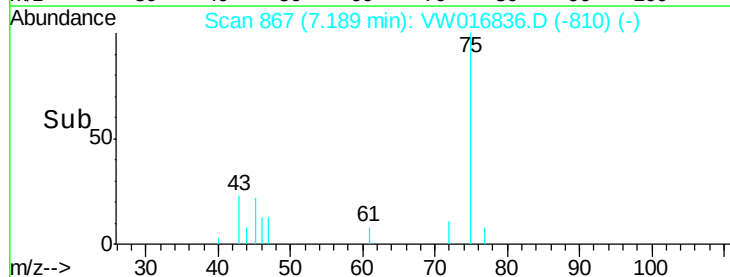
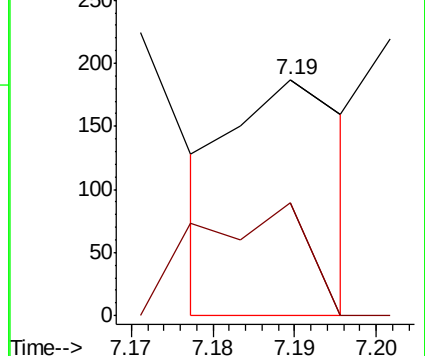
43 100

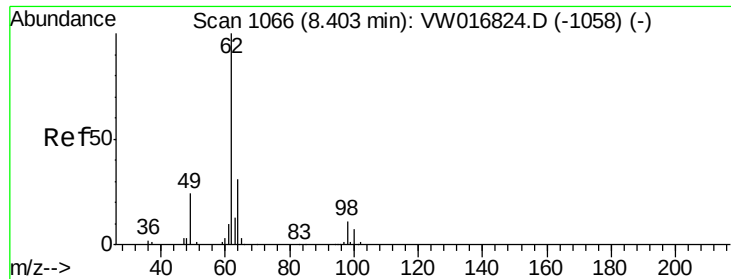
72 44.8 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

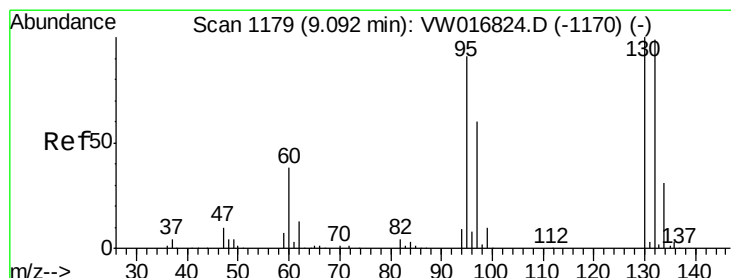
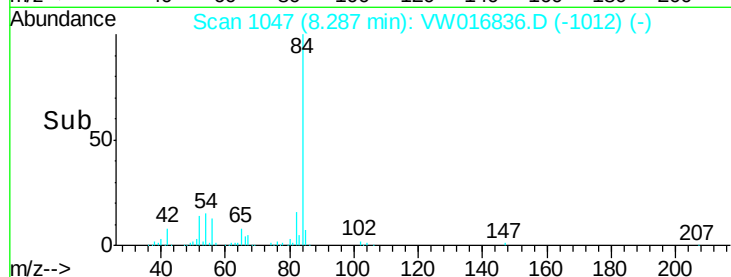
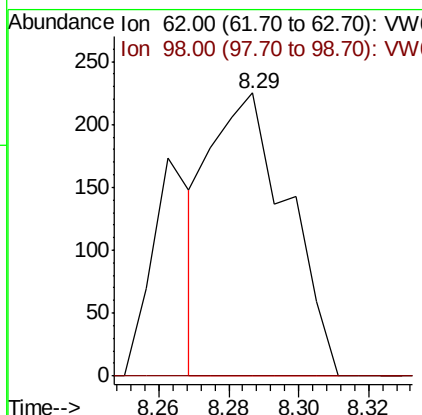
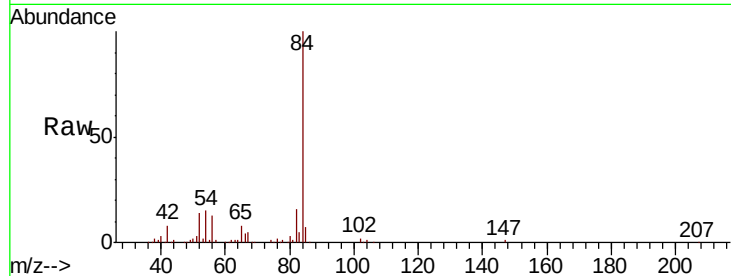




#27
 1,2-Dichloroethane
 Concen: 0.348 ug/L
 RT: 8.29 min Scan# 1047
 Delta R.T. -0.12 min
 Lab File: VW016836.D
 Acq: 07 Oct 2020 16:25

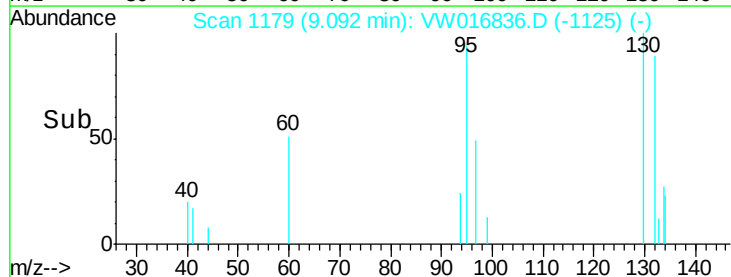
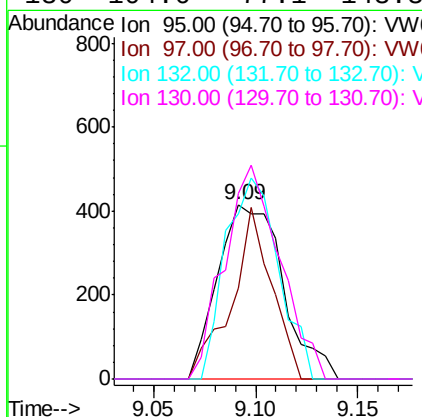
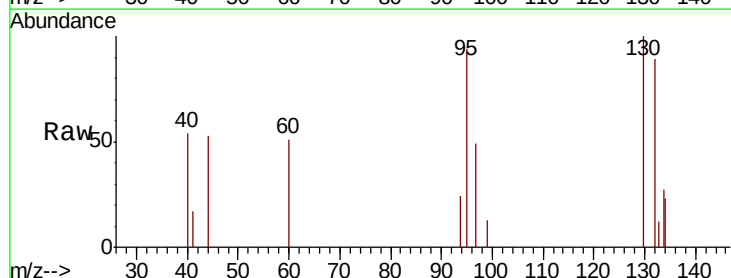
Instrument :
 MSVOA_W
 ClientSampled :
 BG3W0

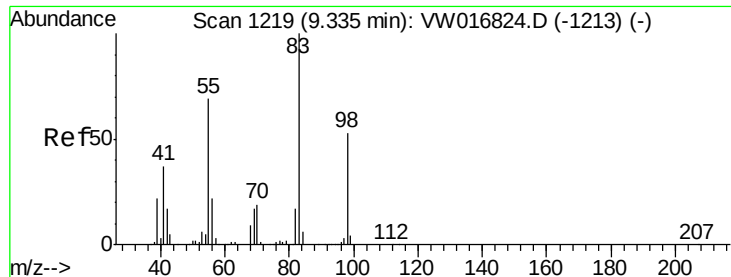
Tot Ion: 62 Resp: 348
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 12.8#



#35
 Trichloroethene
 Concen: 0.889 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016836.D
 Acq: 07 Oct 2020 16:25

Tgt Ion: 95 Resp: 925
 Ion Ratio Lower Upper
 95 100
 97 60.1 44.7 83.1
 132 93.7 73.8 137.2
 130 104.6 77.1 143.3

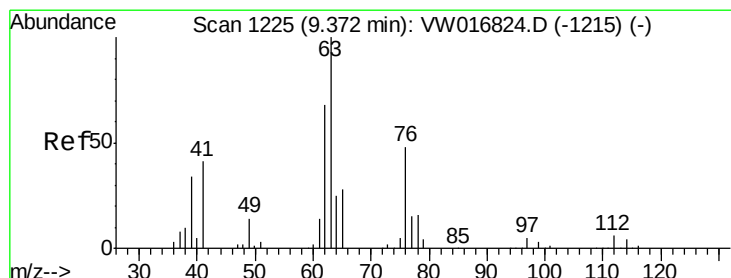
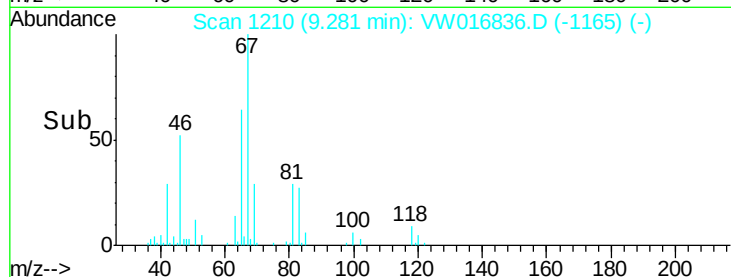
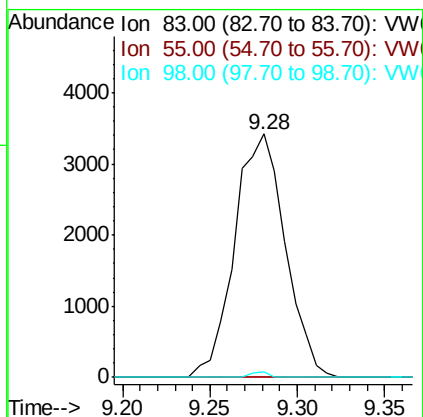
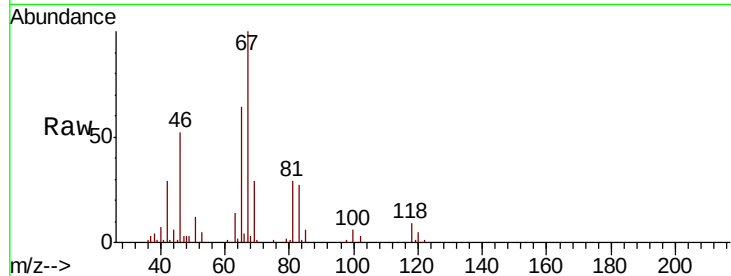




#36
Methylvlcyclohexane
Concen: 3.937 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW016836.D
Acq: 07 Oct 2020 16:25

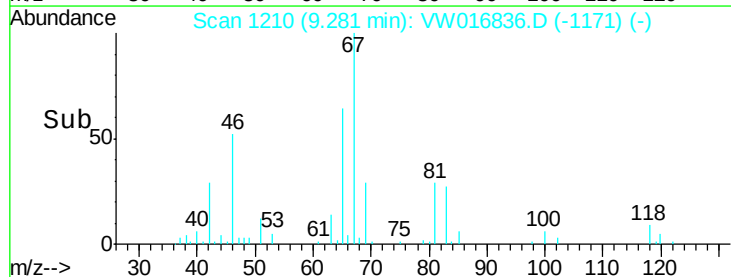
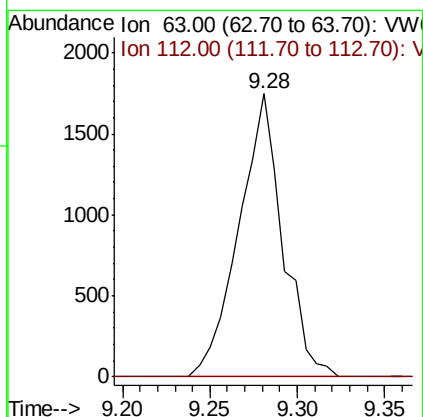
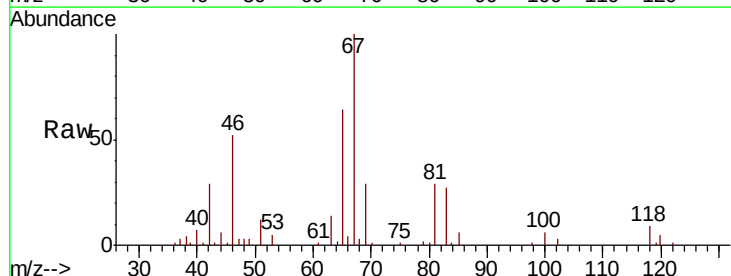
Instrument :
MSVOA_W
ClientSampleId :
BG3W0

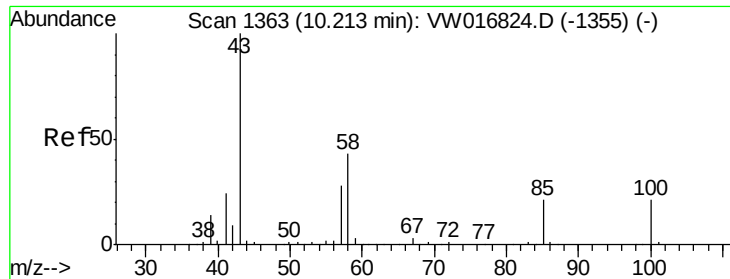
Tot Ion: 83 Resp: 6886
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 0.7 41.4 62.2#



#40
1,2-Dichloropropane
Concen: 3.658 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW016836.D
Acq: 07 Oct 2020 16:25

Tgt Ion: 63 Resp: 3042
Ion Ratio Lower Upper
63 100
112 0.0 4.5 6.7#

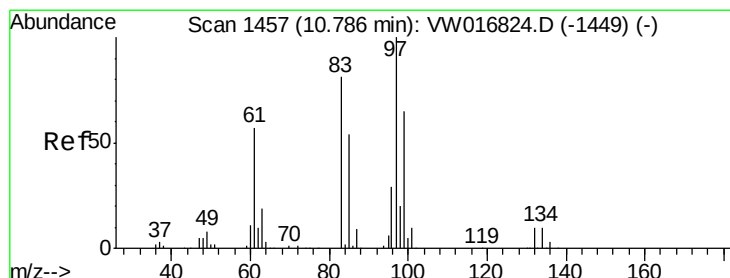
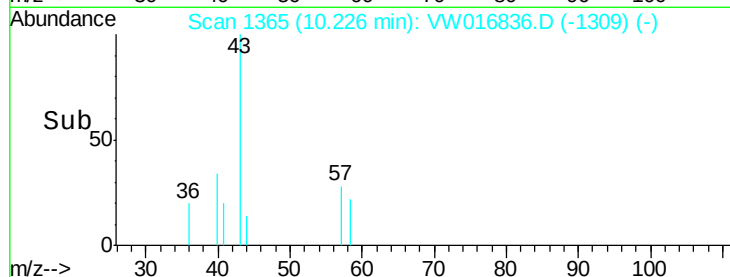
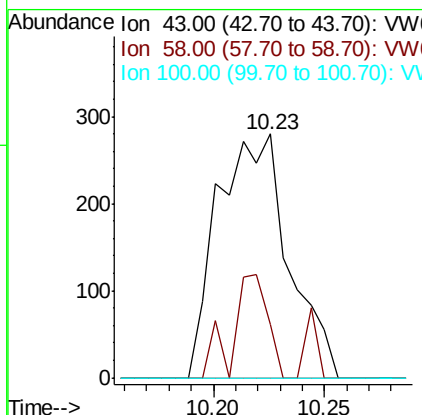
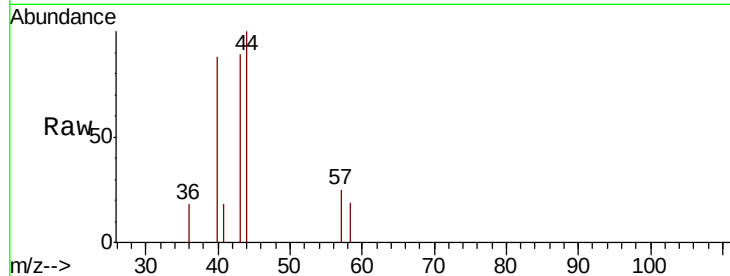




#43
4-Methyl-2-pentanone
Concen: 1.481 ug/L
RT: 10.23 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VW016836.D
Acq: 07 Oct 2020 16:25

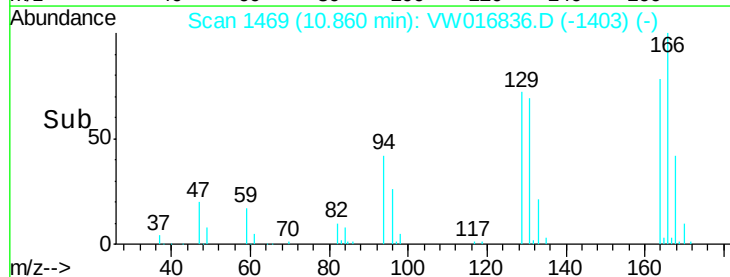
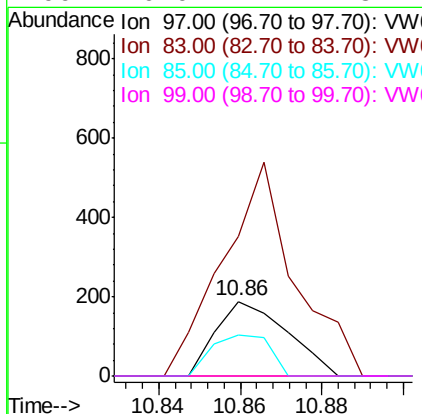
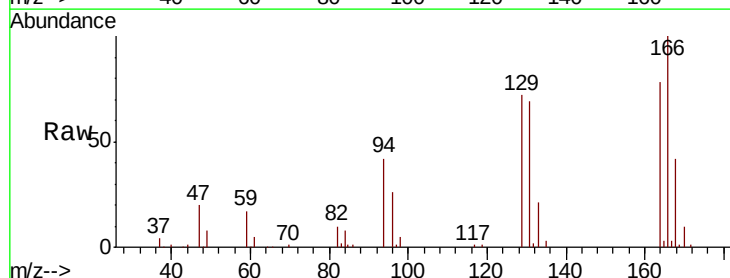
Instrument :
MSVOA_W
ClientSampleId :
BG3W0

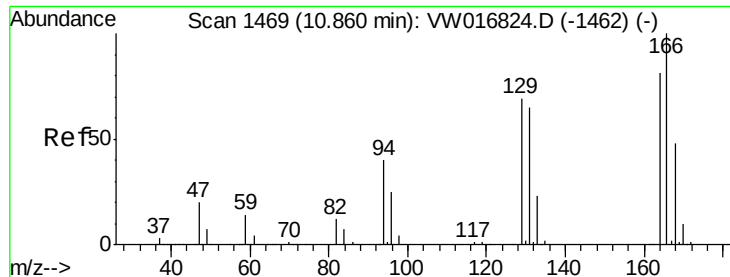
Tot Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 17.4 34.7 52.1#
100 0.0 16.9 25.3#



#46
1,1,2-Trichloroethane
Concen: 0.337 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.07 min
Lab File: VW016836.D
Acq: 07 Oct 2020 16:25

Tgt Ion: 97 Resp: 228
Ion Ratio Lower Upper
97 100
83 187.8 56.8 105.4#
85 54.3 37.0 68.6
99 0.0 44.2 82.2#





#47

Tetrachloroethene

Concen: 30.135 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016836.D

Acq: 07 Oct 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

BG3W0

Tot Ion:164 Resp: 29063

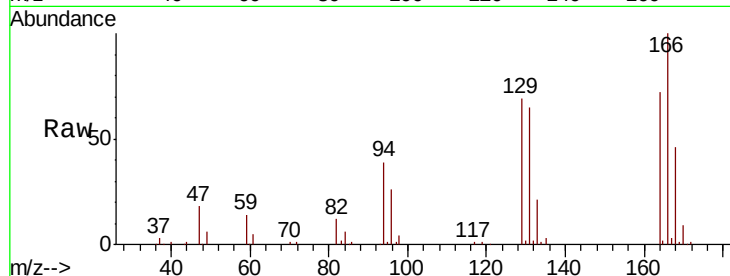
Ion Ratio Lower Upper

164 100

129 95.6 61.7 114.7

131 89.8 59.7 110.9

166 139.0 88.3 164.1

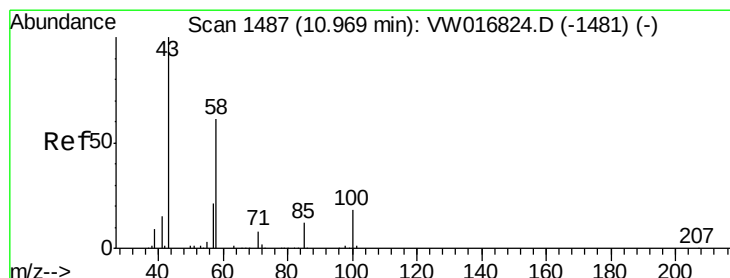
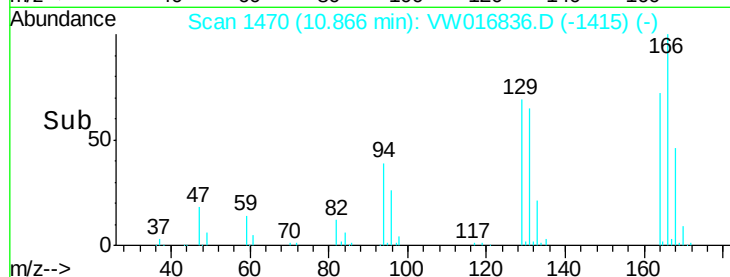
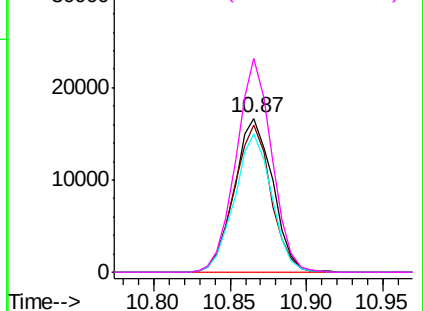


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 0.481 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016836.D

Acq: 07 Oct 2020 16:25

Tgt Ion: 43 Resp: 133

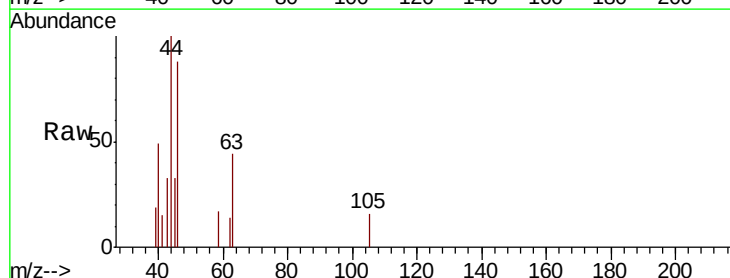
Ion Ratio Lower Upper

43 100

58 21.8 47.1 70.7#

57 0.0 16.2 24.4#

100 0.0 13.3 19.9#

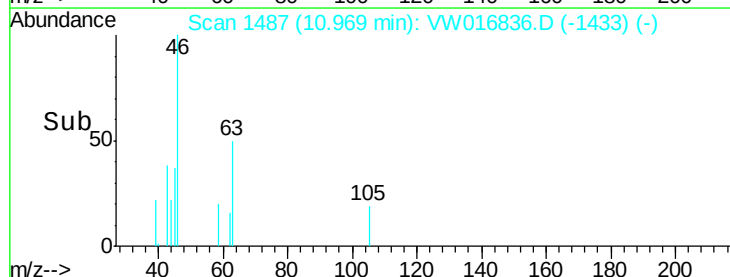
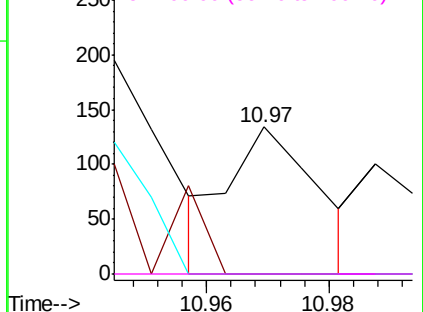


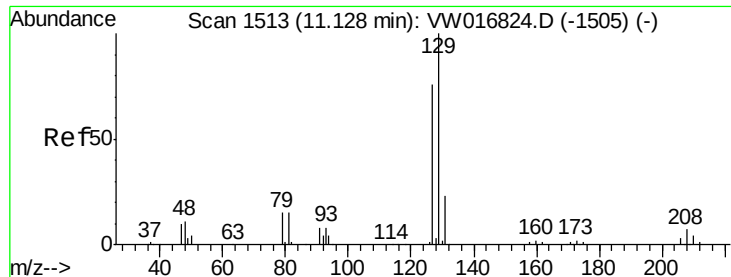
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 31.622 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016836.D

Acq: 07 Oct 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

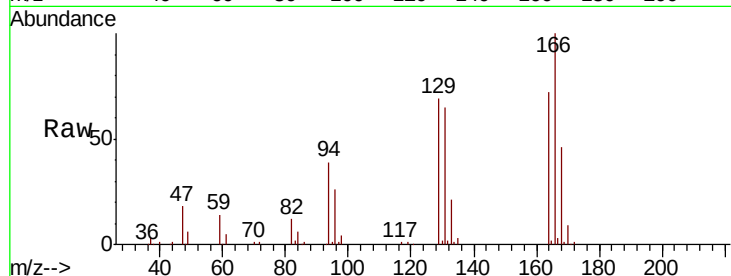
BG3W0

Tot Ion:129 Resp: 26575

Ion Ratio Lower Upper

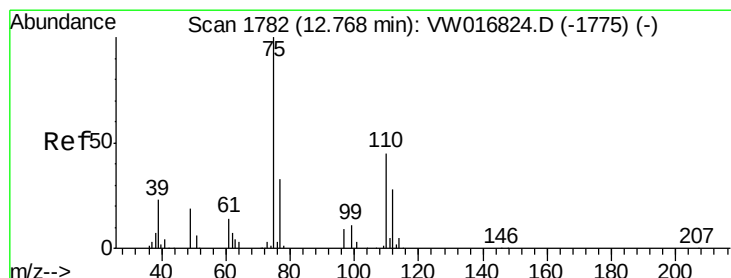
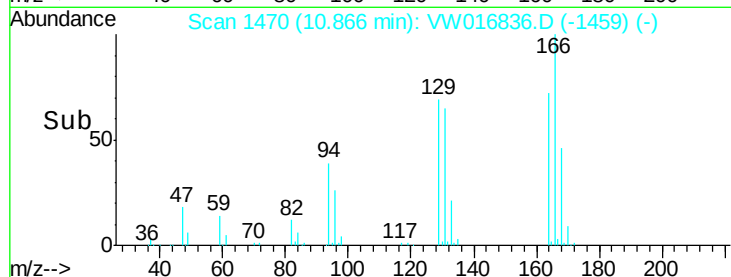
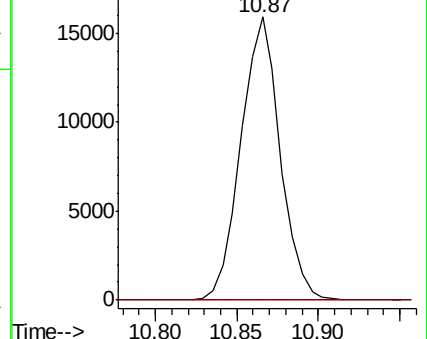
129 100

127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.307 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016836.D

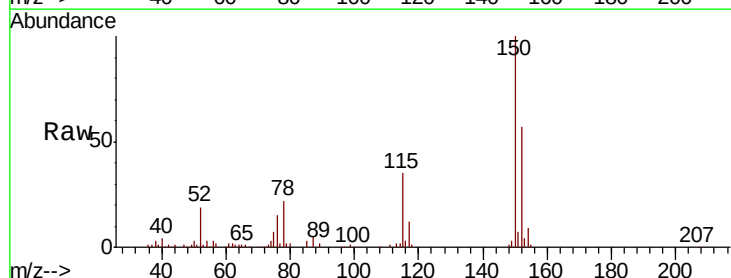
Acq: 07 Oct 2020 16:25

Tgt Ion: 75 Resp: 2872

Ion Ratio Lower Upper

75 100

77 37.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

