

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016842.D
 Acq On : 07 Oct 2020 19:09
 Operator : SY/VA
 Sample : L4284-11
 Misc : 5.65G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W5

Quant Time: Oct 08 08:42:03 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	120115	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	103089	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	32690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	36023	30.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.60%
7) Chloroethane-d5	2.89	69	30812	31.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.00%
10) 1,1-Dichloroethene-d2	4.02	63	50094	19.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.64%
20) 2-Butanone-d5	7.09	46	11517	42.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.82%
24) Chloroform-d	7.65	84	64903	25.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	8.31	65	31571	25.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.16%
29) Benzene-d6	8.27	84	130969	27.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.88%
33) 1,2-Dichloropropane-d6	9.28	67	35889	28.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.08%
37) Toluene-d8	10.33	98	116525	26.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.52%
38) trans-1,3-Dichloropropene-	10.58	79	11439	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.44%
39) 2-Hexanone-d5	10.93	63	8373	43.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	22591	22.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	28881	27.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.40%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	576	0.351 ug/L #	1
13) Acetone	4.13	43	2150	10.586 ug/L	76
14) Carbon disulfide	4.38	76	908	0.204 ug/L #	75
16) Methylene chloride	4.92	84	6111	3.686 ug/L	93
21) 2-Butanone	7.18	43	619	1.815 ug/L #	56
22) cis-1,2-Dichloroethene	7.17	96	902	0.545 ug/L	89
27) 1,2-Dichloroethane	8.27	62	797	0.494 ug/L #	72
35) Trichloroethene	9.10	95	46195	29.500 ug/L	98
36) Methylcyclohexane	9.28	83	9719	3.691 ug/L #	21
40) 1,2-Dichloropropane	9.28	63	4299	3.434 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	936	0.469 ug/L #	70
43) 4-Methyl-2-pentanone	10.22	43	628	0.996 ug/L #	75
45) trans-1,3-Dichloropropene	10.57	75	552	0.329 ug/L #	64
46) 1,1,2-Trichloroethane	10.87	97	3885	3.818 ug/L #	1
47) Tetrachloroethene	10.87	164	505295	348.052 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Oct 08 08:32:41 2020
Response via : Initial Calibration

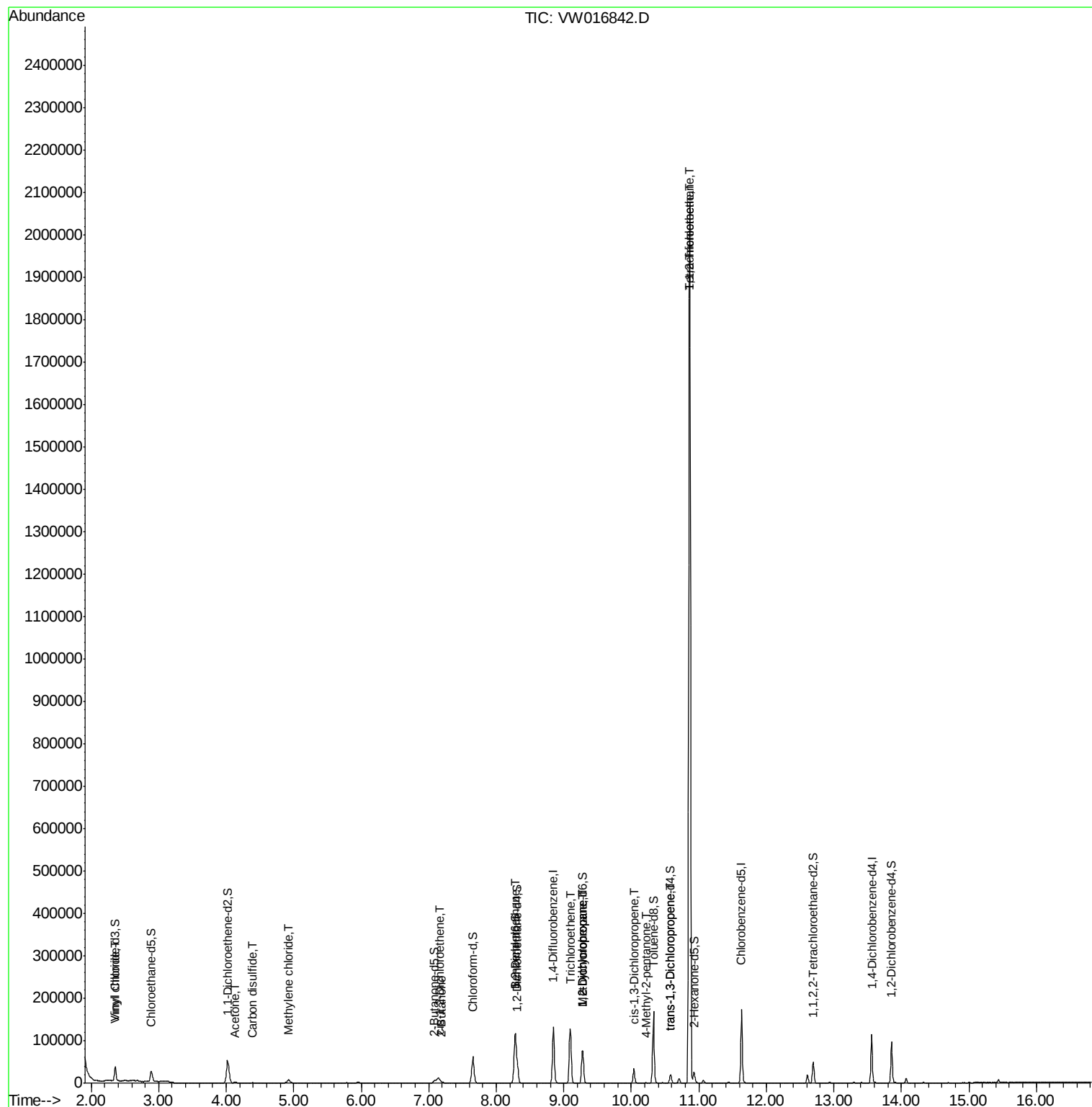
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

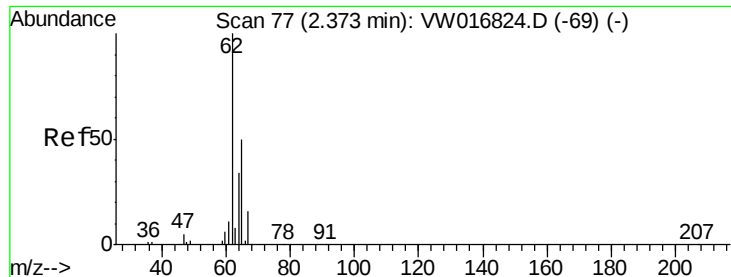
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100820\
Data File : VW016842.D
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.351 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

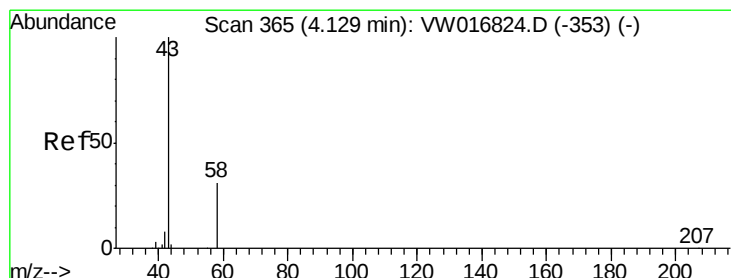
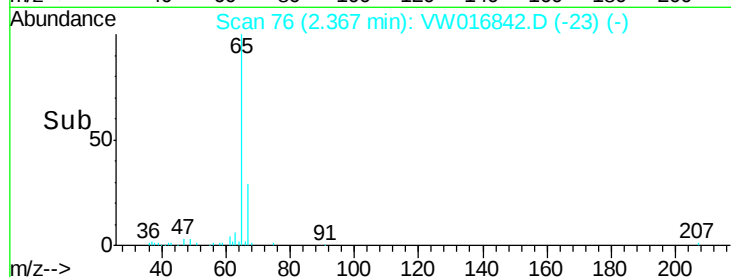
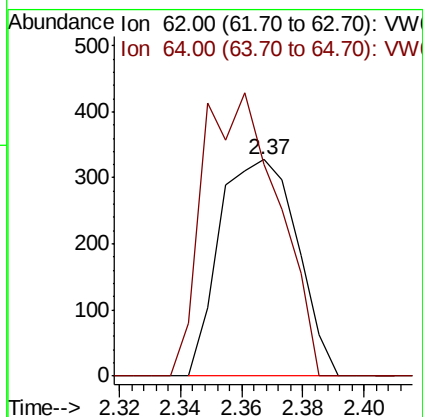
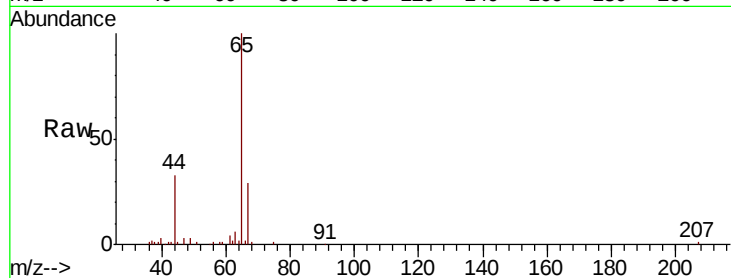
BG3W5

Tot Ion: 62 Resp: 576

Ion Ratio Lower Upper

62 100

64 97.9 23.5 43.7#



#13

Acetone

Concen: 10.586 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW016842.D

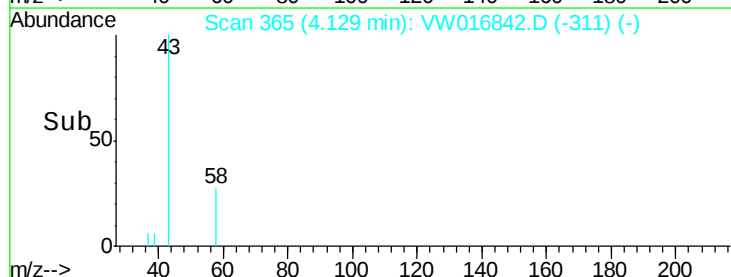
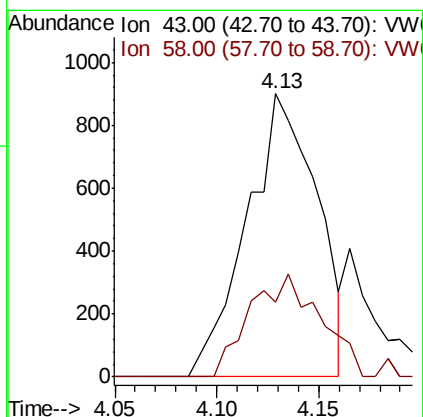
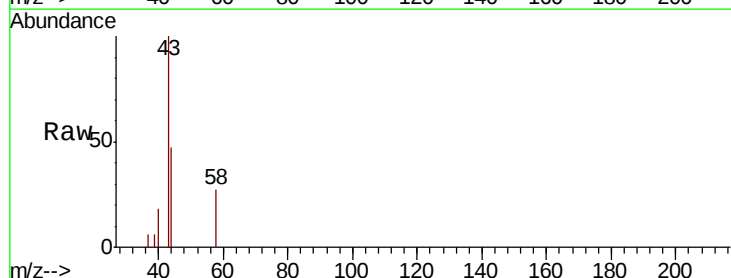
Acq: 07 Oct 2020 19:09

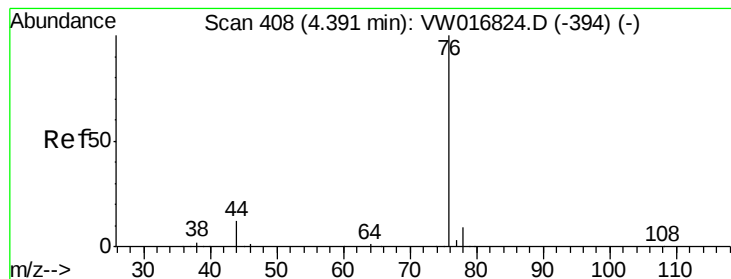
Tgt Ion: 43 Resp: 2150

Ion Ratio Lower Upper

43 100

58 20.2 0.0 67.6





#14

Carbon disulfide

Concen: 0.204 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

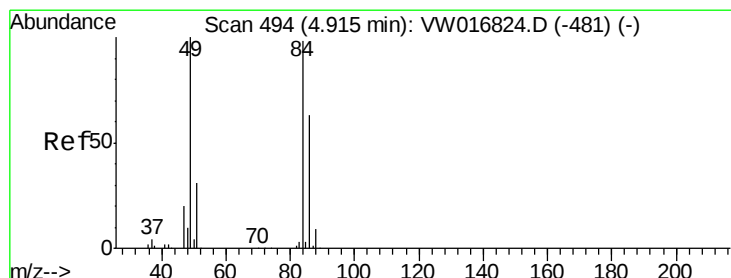
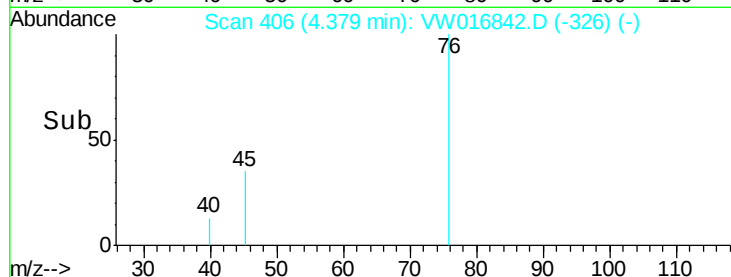
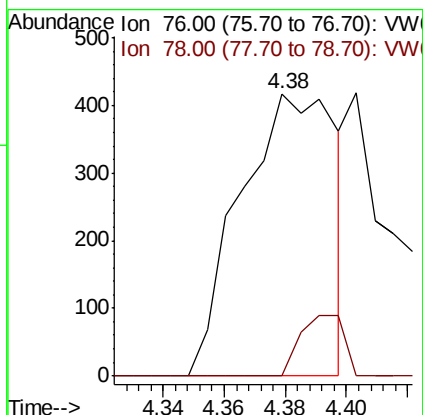
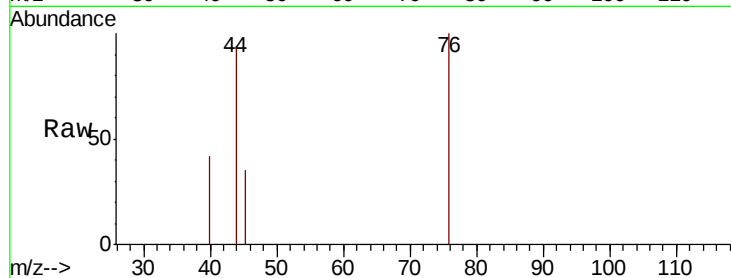
BG3W5

Tot Ion: 76 Resp: 908

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#16

Methylene chloride

Concen: 3.686 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

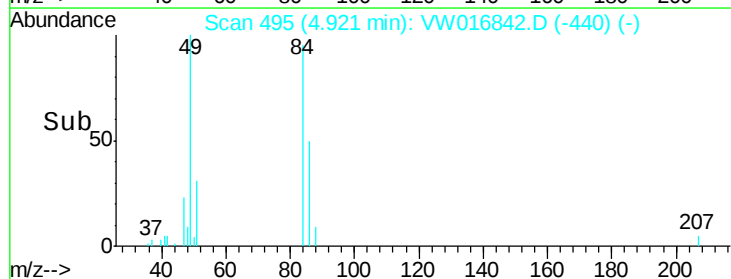
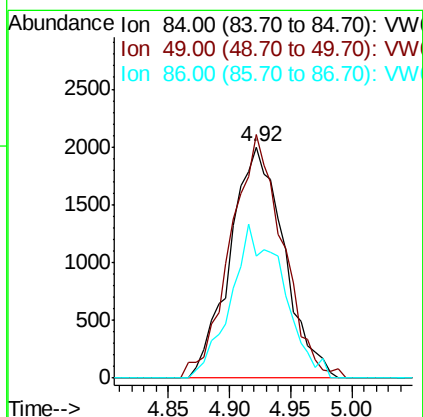
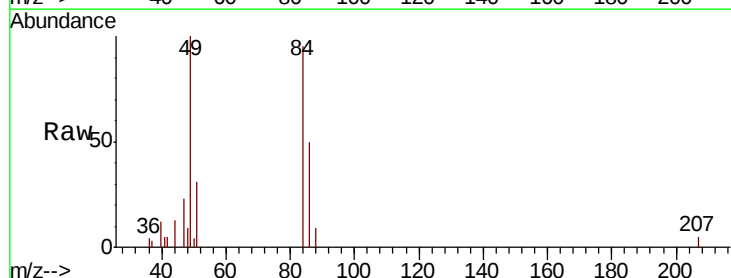
Tgt Ion: 84 Resp: 6111

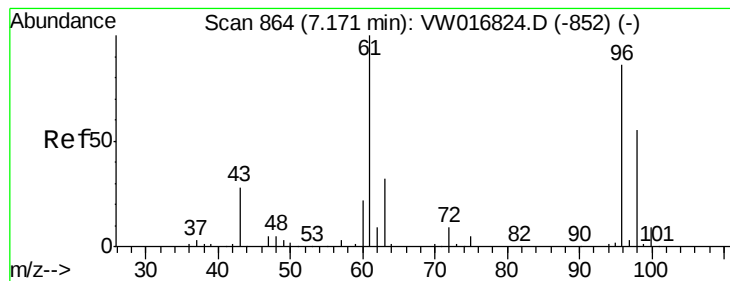
Ion Ratio Lower Upper

84 100

49 105.5 73.1 135.8

86 52.9 46.0 85.4





#21

2-Butanone

Concen: 1.815 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampled :

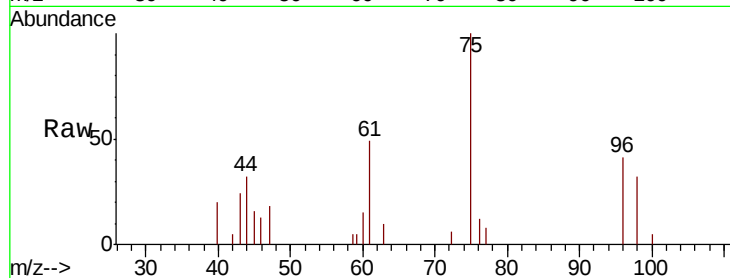
BG3W5

Tot Ion: 43 Resp: 619

Ion Ratio Lower Upper

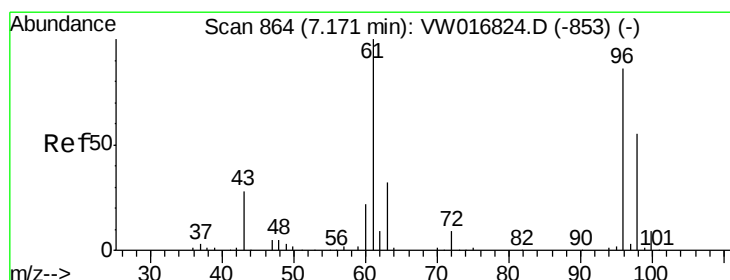
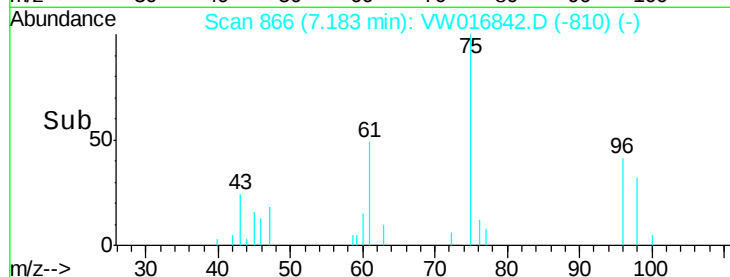
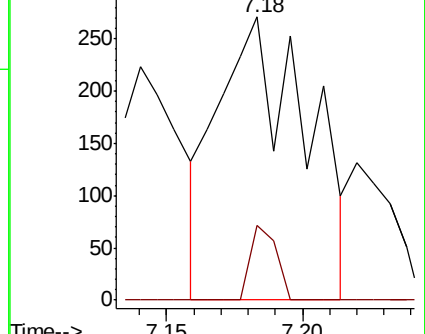
43 100

72 7.6 16.2 48.5#



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: 0.545 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

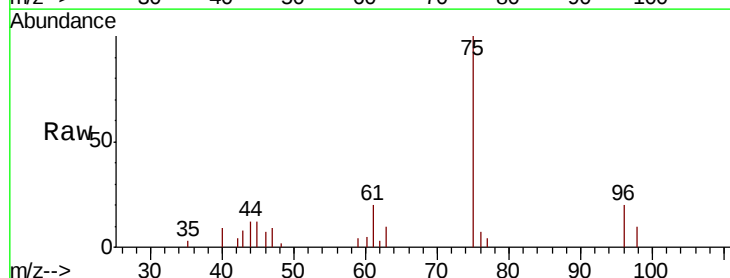
Tgt Ion: 96 Resp: 902

Ion Ratio Lower Upper

96 100

61 100.2 76.0 141.2

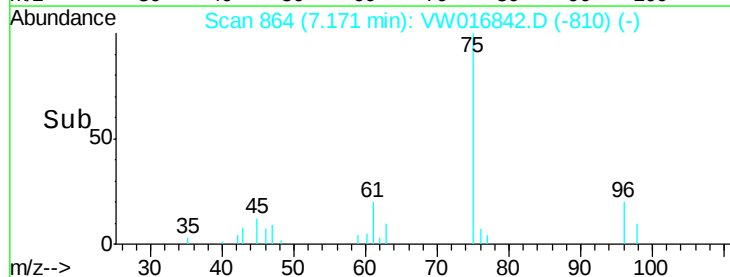
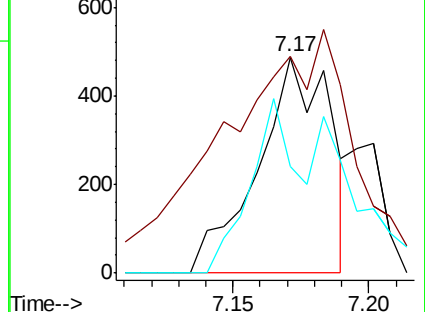
98 49.3 42.7 79.3

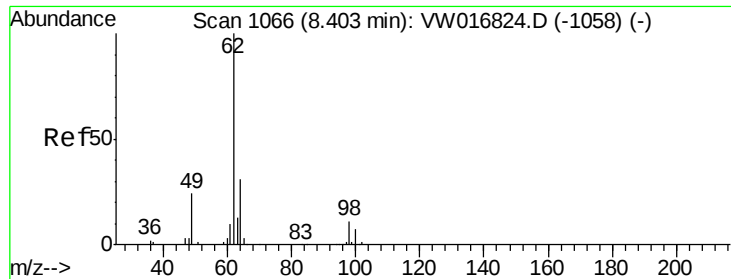


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

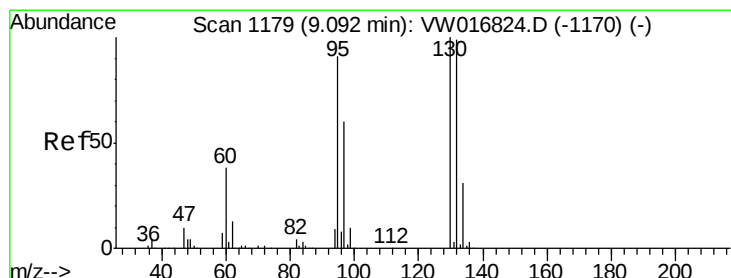
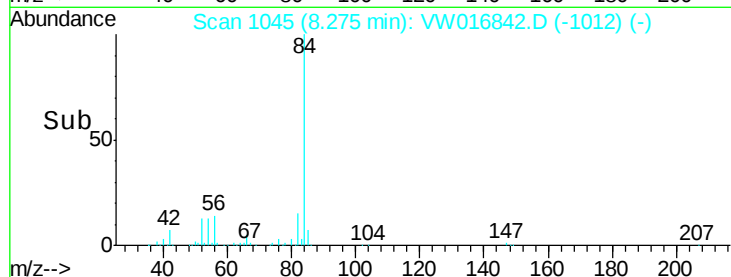
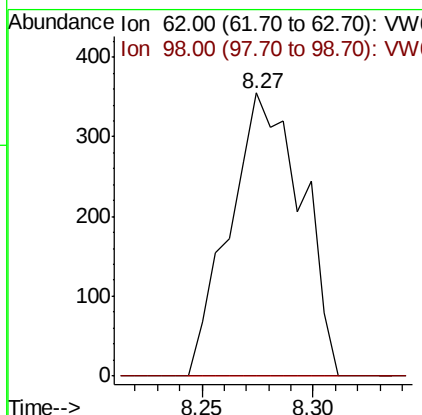
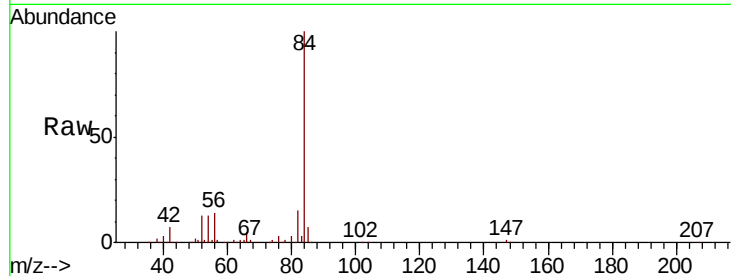




#27
 1,2-Dichloroethane
 Concen: 0.494 ug/L
 RT: 8.27 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW016842.D
 Acq: 07 Oct 2020 19:09

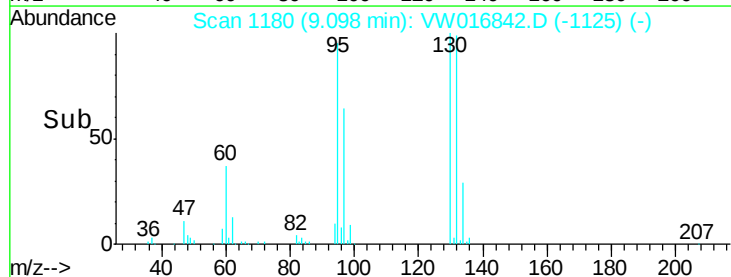
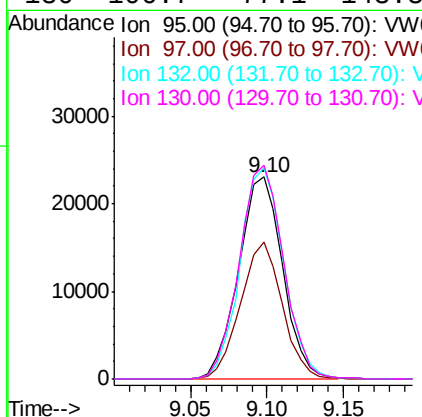
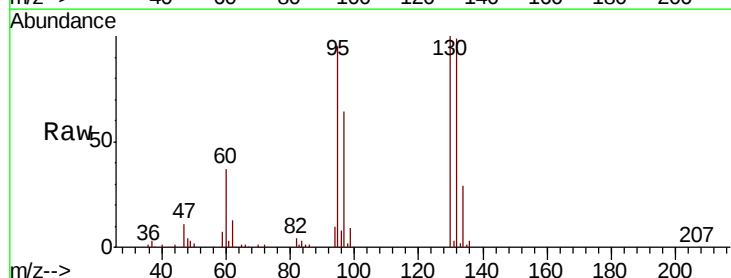
Instrument :
 MSVOA_W
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 BG3W5

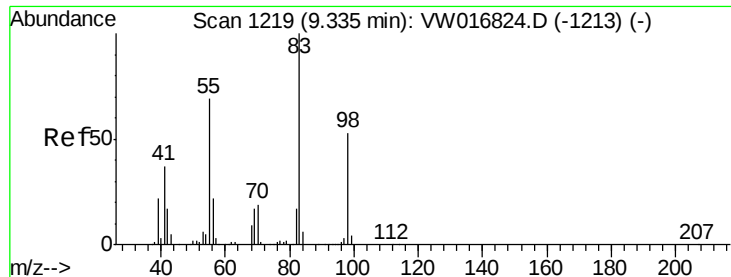
Tot Ion: 62 Resp: 797
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 12.8#



#35
 Trichloroethene
 Concen: 29.500 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016842.D
 Acq: 07 Oct 2020 19:09

Tgt Ion: 95 Resp: 46195
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 83.1
 132 103.8 73.8 137.2
 130 106.7 77.1 143.3

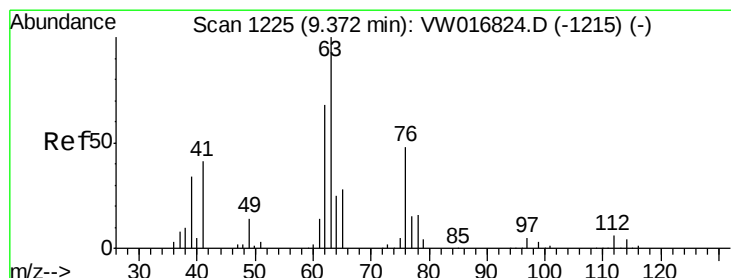
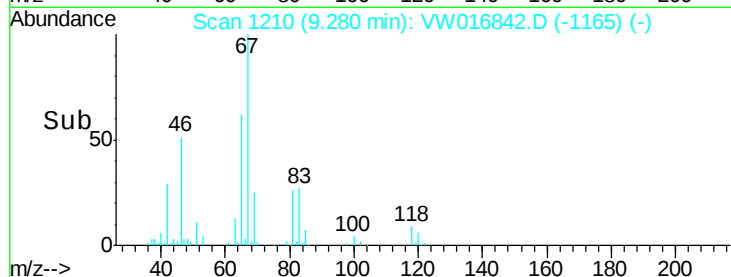
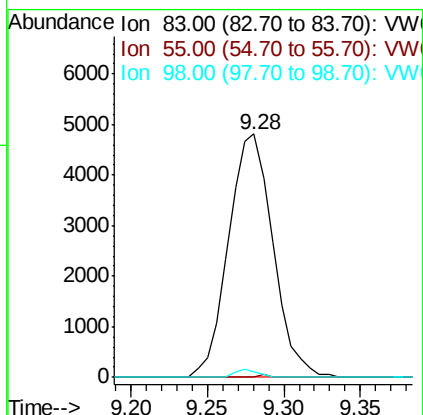
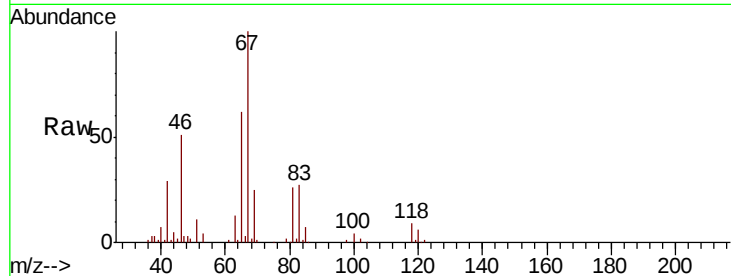




#36
Methylcyclohexane
Concen: 3.691 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW016842.D
Acq: 07 Oct 2020 19:09

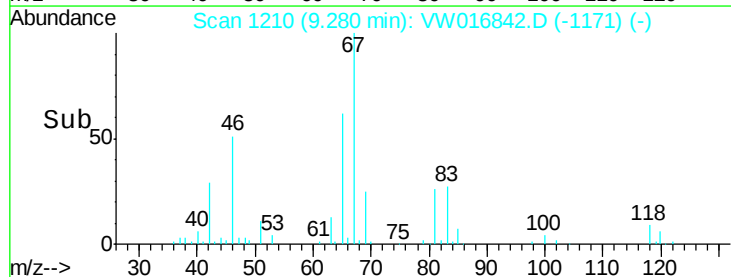
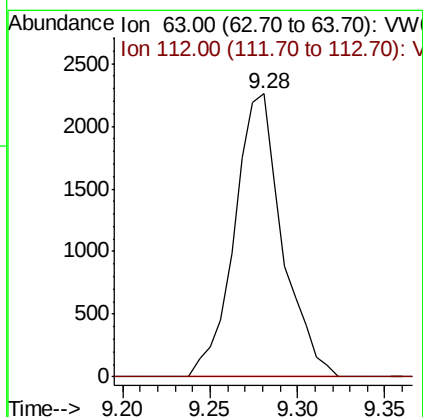
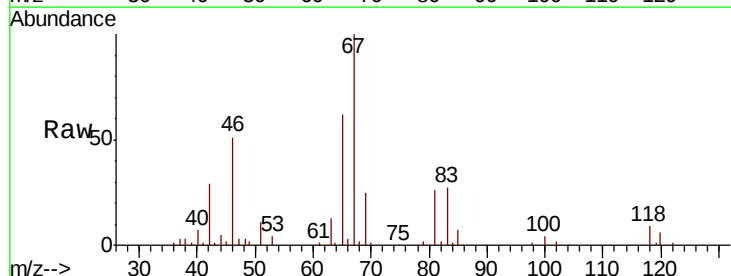
Instrument :
MSVOA_W
ClientSampleId :
BG3W5

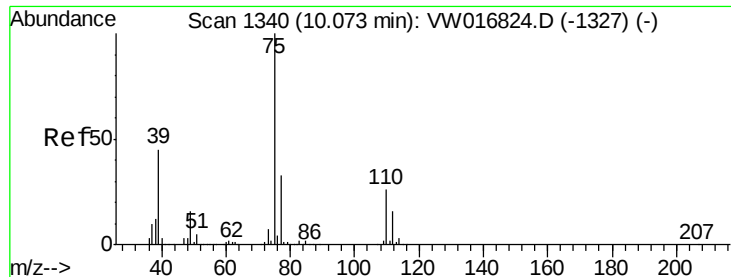
Tot Ion: 83 Resp: 9719
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 1.7 41.4 62.2#



#40
1,2-Dichloropropane
Concen: 3.434 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW016842.D
Acq: 07 Oct 2020 19:09

Tgt Ion: 63 Resp: 4299
Ion Ratio Lower Upper
63 100
112 0.0 4.5 6.7#





#42

cis-1,3-Dichloropropene

Concen: 0.469 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

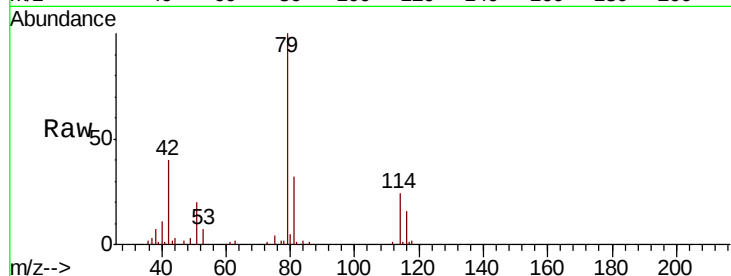
BG3W5

Tot Ion: 75 Resp: 936

Ion Ratio Lower Upper

75 100

77 48.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

500

400

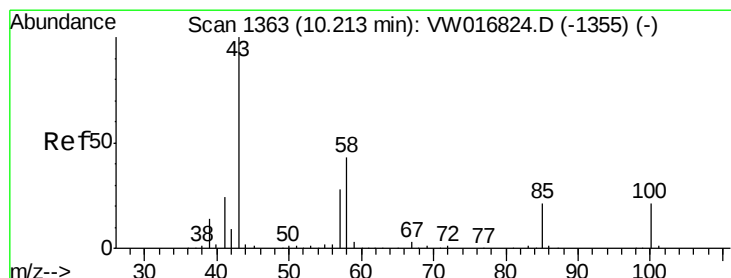
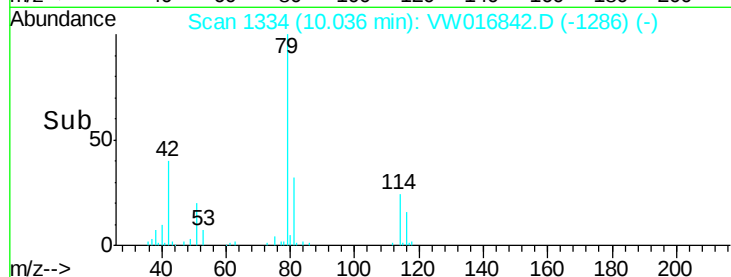
300

200

100

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 0.996 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

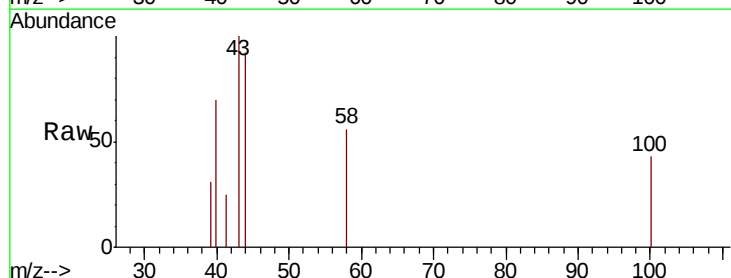
Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

58 26.4 34.7 52.1#

100 11.0 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400

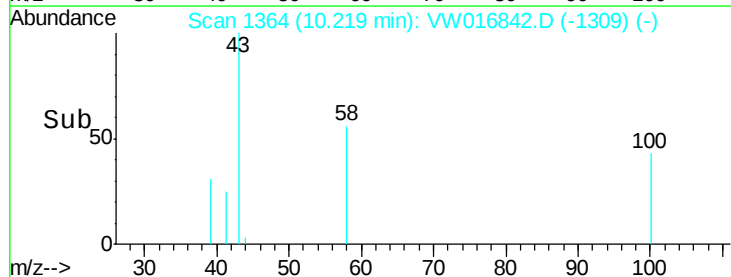
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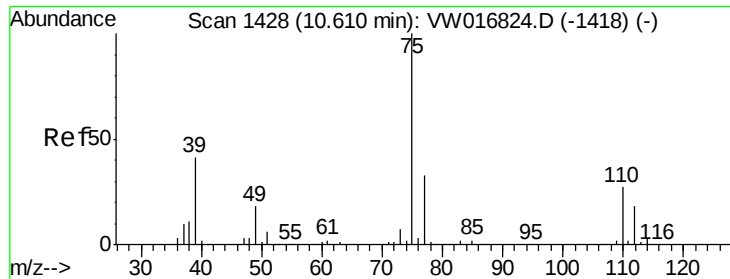
200

100

0

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.329 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

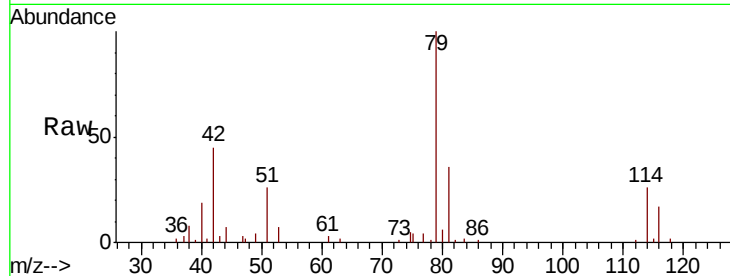
BG3W5

Tot Ion: 75 Resp: 552

Ion Ratio Lower Upper

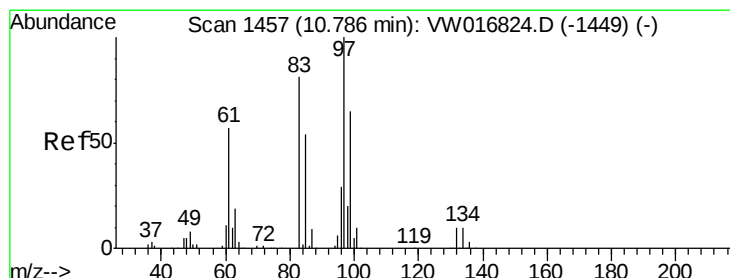
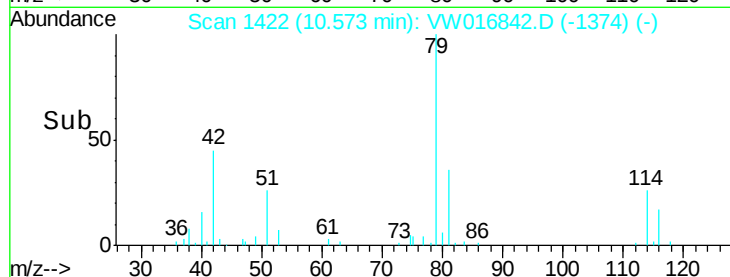
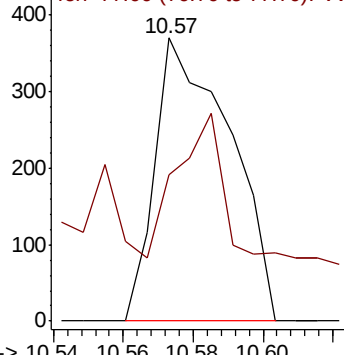
75 100

77 51.6 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: 3.818 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.08 min

Lab File: VW016842.D

Acq: 07 Oct 2020 19:09

Tgt Ion: 97 Resp: 3885

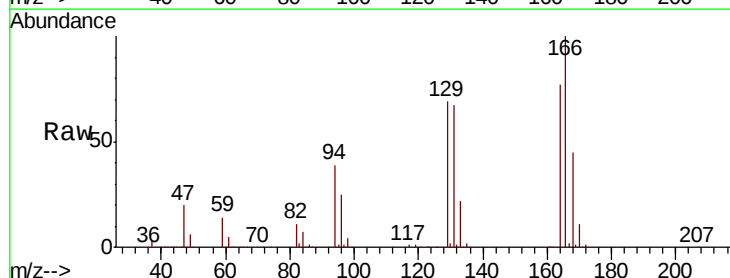
Ion Ratio Lower Upper

97 100

83 292.1 56.8 105.4#

85 43.6 37.0 68.6

99 17.8 44.2 82.2#

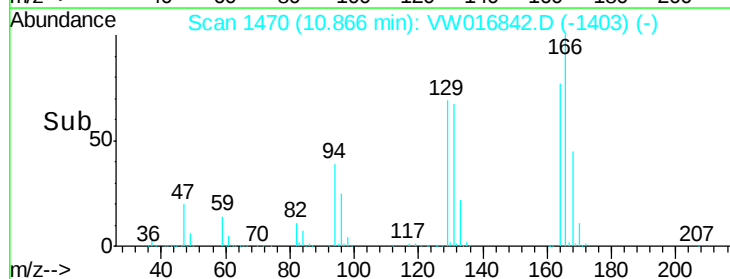
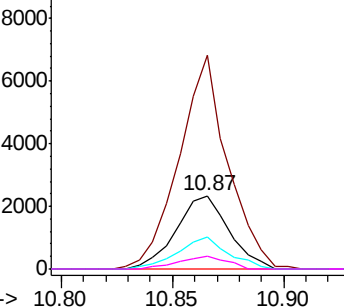


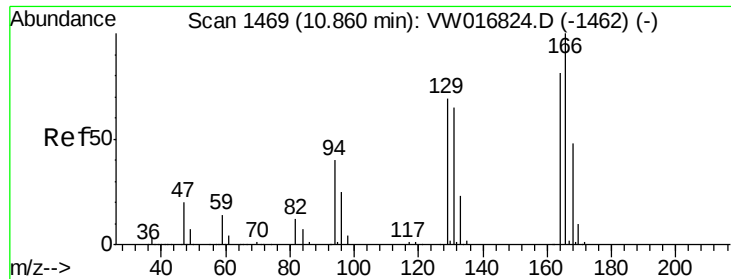
Abundance Ion 97.00 (96.70 to 97.70): VW

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





#47

Tetrachloroethene

Concen: 348.052 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016842.D

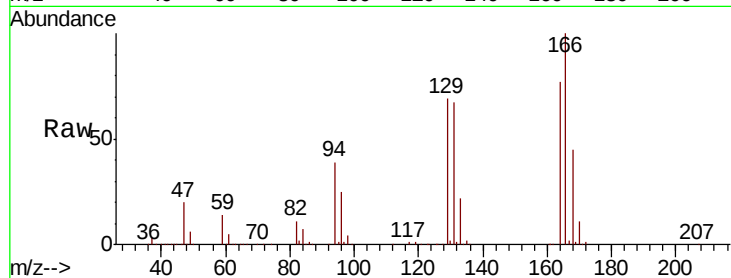
Acq: 07 Oct 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

BG3W5



Tot Ion:164 Resp: 505295

Ion Ratio Lower Upper

164 100

129 89.3 61.7 114.7

131 87.0 59.7 110.9

166 129.8 88.3 164.1

