

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017548.D
 Acq On : 04 Dec 2020 12:10
 Operator : SY/VA
 Sample : L4920-15RE
 Misc : 5.23G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4G1

Quant Time: Dec 05 07:37:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	391024	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	135107	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88884	17.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.08%
7) Chloroethane-d5	2.89	69	78919	17.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.60%
10) 1,1-Dichloroethene-d2	4.03	63	155813	13.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.60%
20) 2-Butanone-d5	7.08	46	49822	44.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.34%
24) Chloroform-d	7.65	84	228287	20.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.24%
26) 1,2-Dichloroethane-d4	8.31	65	118440	21.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.00%
29) Benzene-d6	8.27	84	432358	20.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.64%
33) 1,2-Dichloropropane-d6	9.27	67	126980	21.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.84%
37) Toluene-d8	10.32	98	380134	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.16%
38) trans-1,3-Dichloropropene-	10.58	79	49933	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.92%
39) 2-Hexanone-d5	10.93	63	29518	40.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	92474	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	106224	20.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.32%

Target Compounds

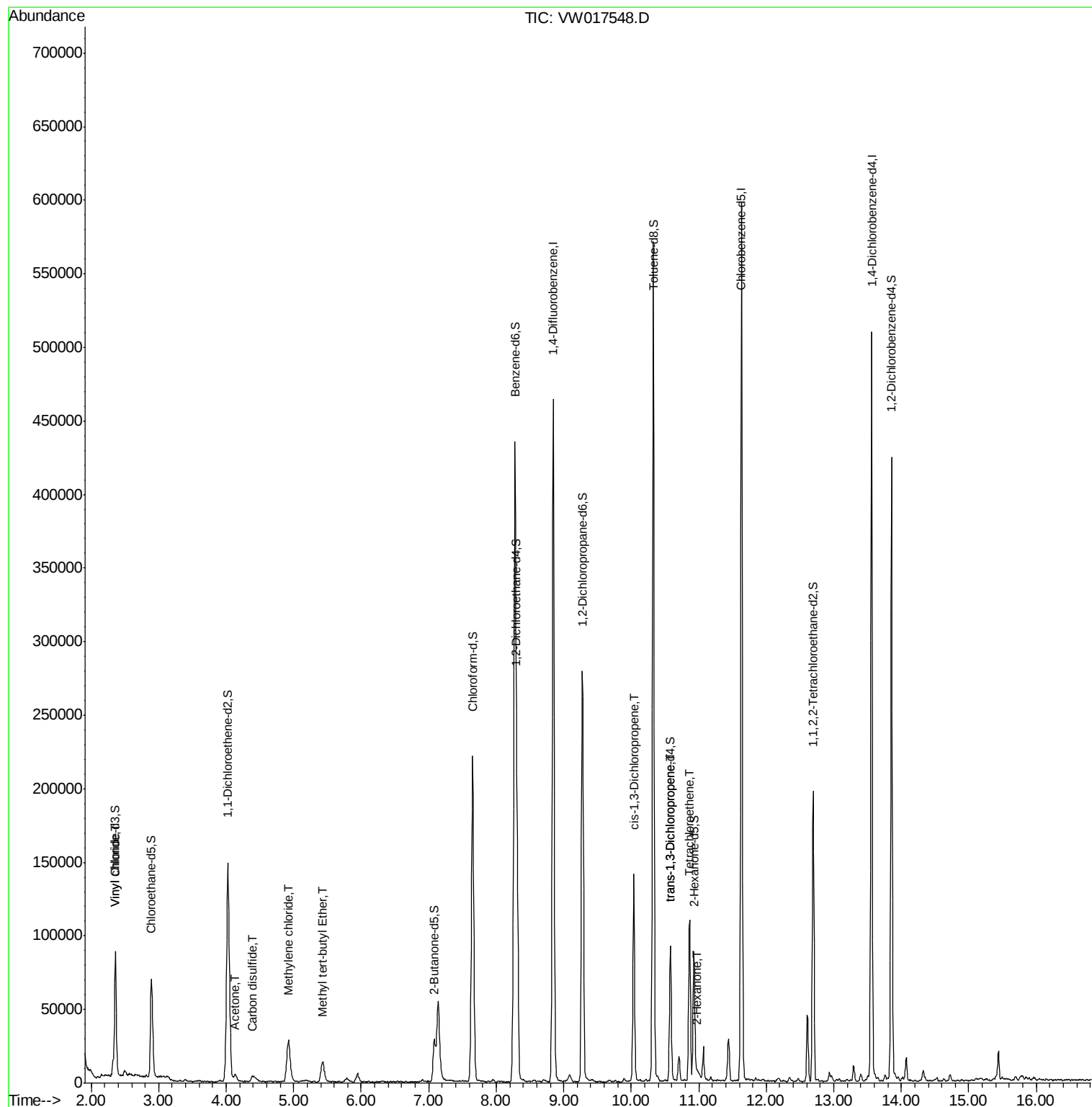
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	7373	1.534	ug/L #	79
13) Acetone	4.14	43	8553	7.789	ug/L	70
14) Carbon disulfide	4.39	76	7647	0.494	ug/L	99
16) Methylene chloride	4.92	84	14476	2.455	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	21234	3.563	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	4005	0.540	ug/L #	78
45) trans-1,3-Dichloropropene	10.58	75	2741	0.430	ug/L #	44
47) Tetrachloroethene	10.87	164	23696	4.980	ug/L	93
49) 2-Hexanone	10.98	43	689	0.424	ug/L #	72

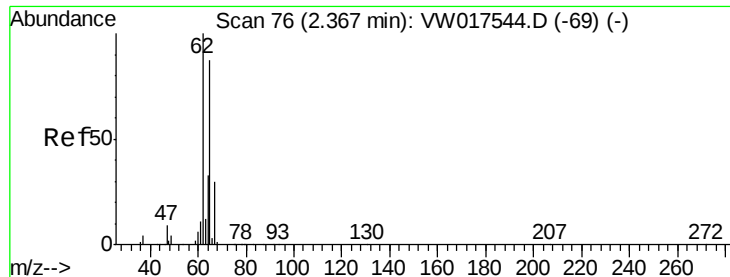
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.534 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017548.D

Acq: 04 Dec 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

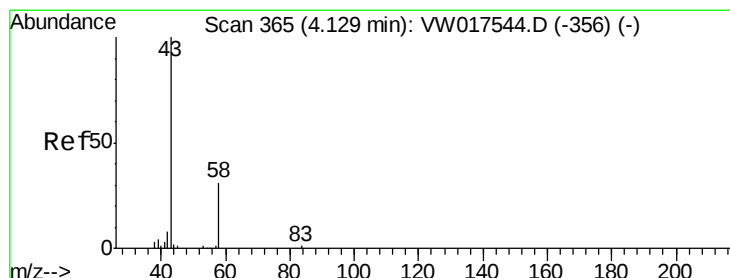
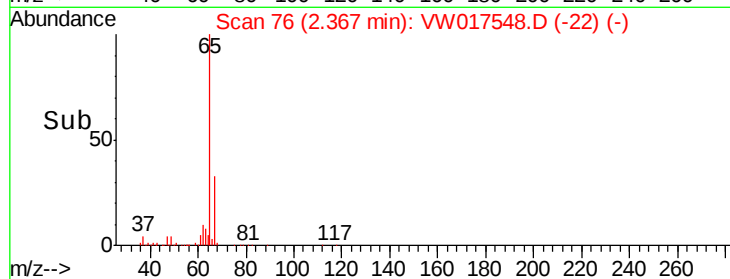
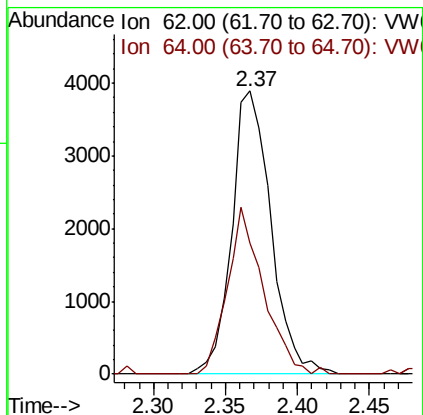
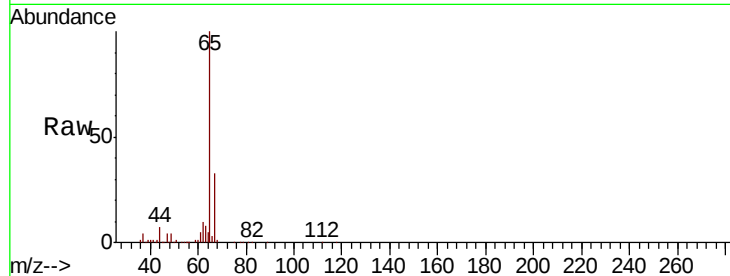
BG4G1

Tot Ion: 62 Resp: 7373

Ion Ratio Lower Upper

62 100

64 46.1 23.9 44.5#



#13

Acetone

Concen: 7.789 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017548.D

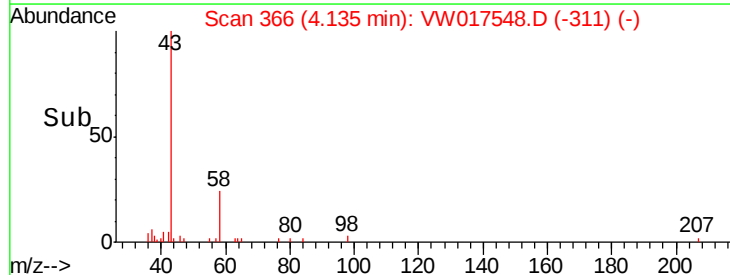
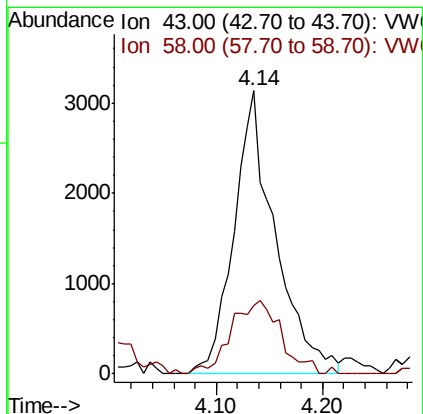
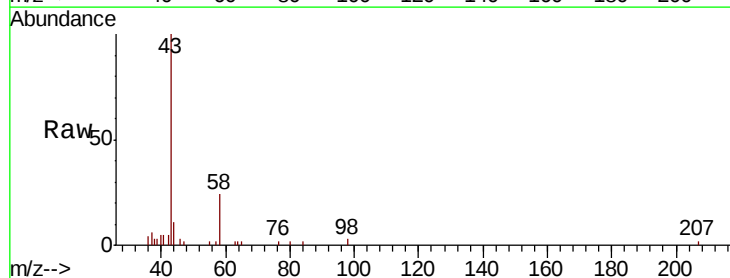
Acq: 04 Dec 2020 12:10

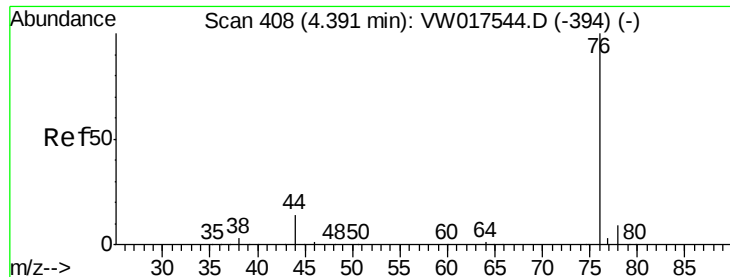
Tgt Ion: 43 Resp: 8553

Ion Ratio Lower Upper

43 100

58 17.2 0.0 68.4





#14

Carbon disulfide

Concen: 0.494 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017548.D

Acq: 04 Dec 2020 12:10

Instrument :

MSVOA_W

ClientSampled :

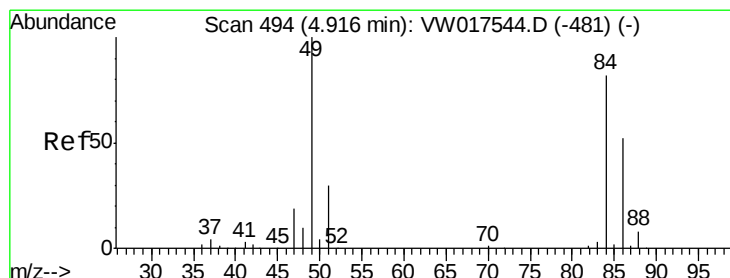
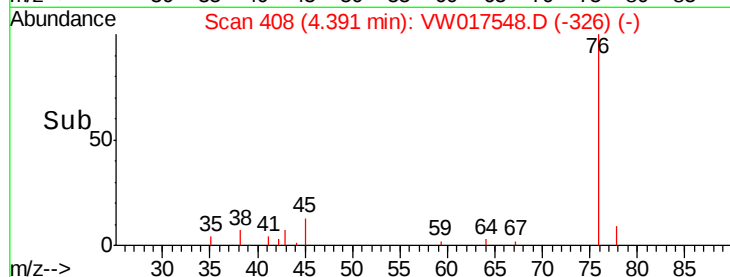
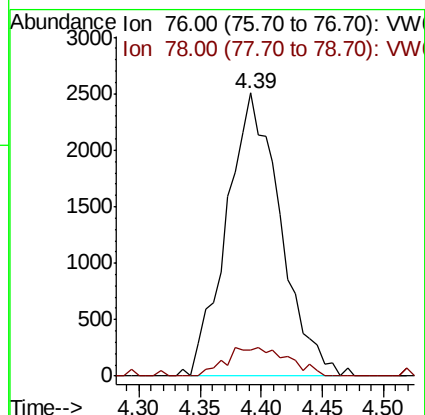
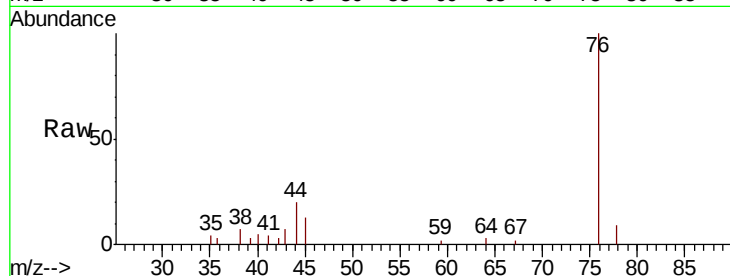
BG4G1

Tot Ion: 76 Resp: 7647

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#16

Methylene chloride

Concen: 2.455 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017548.D

Acq: 04 Dec 2020 12:10

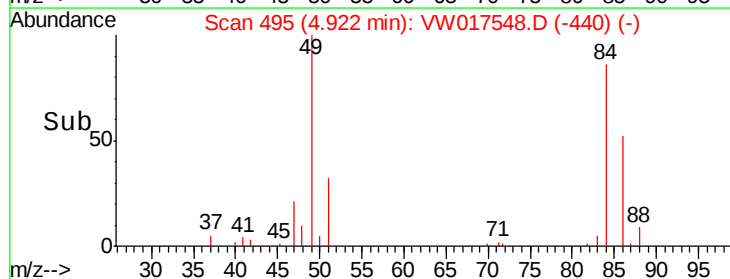
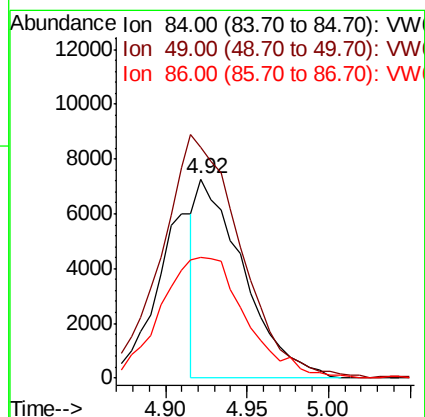
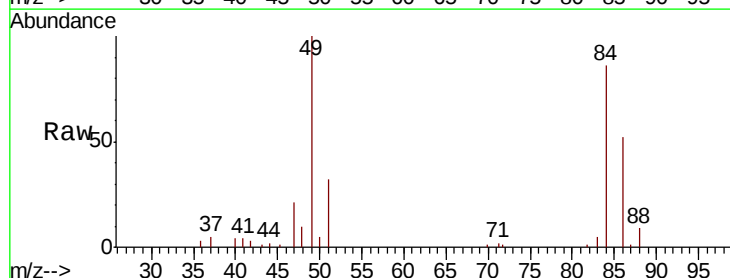
Tgt Ion: 84 Resp: 14476

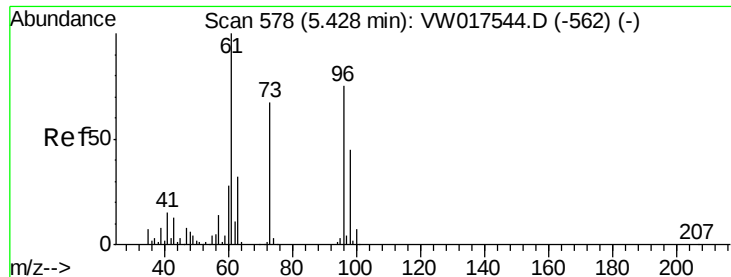
Ion Ratio Lower Upper

84 100

49 115.9 81.2 150.8

86 60.6 44.5 82.7

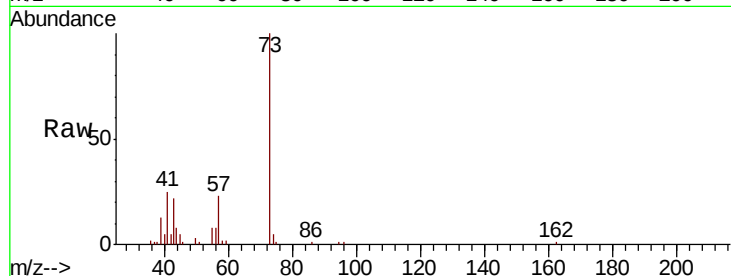




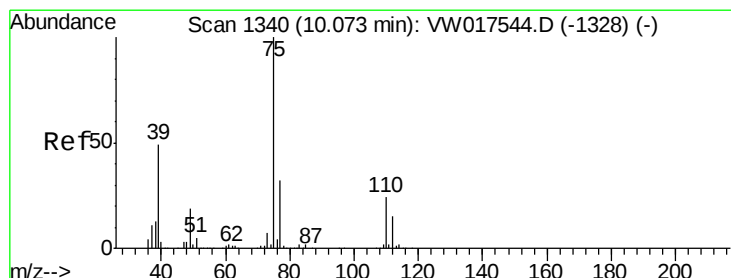
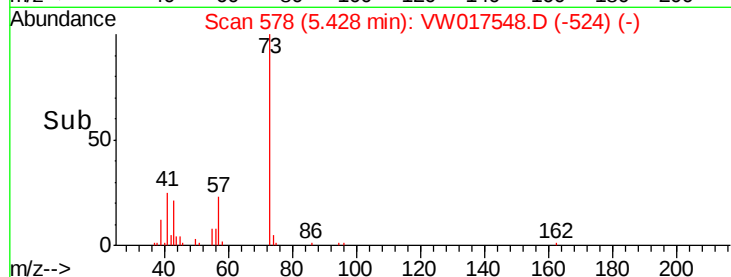
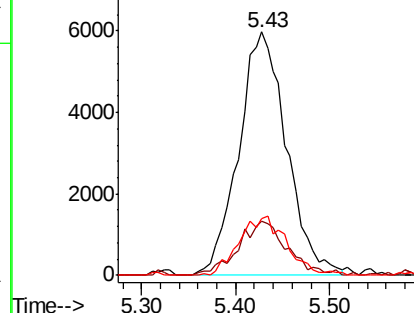
#17
Methvl tert-butvl Ether
Concen: 3.563 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017548.D
Acq: 04 Dec 2020 12:10

Instrument :
MSVOA_W
ClientSampleId :
BG4G1

Tot Ion: 73 Resp: 21234
Ion Ratio Lower Upper
73 100
43 14.1 16.2 24.4#
57 16.6 17.2 25.8#

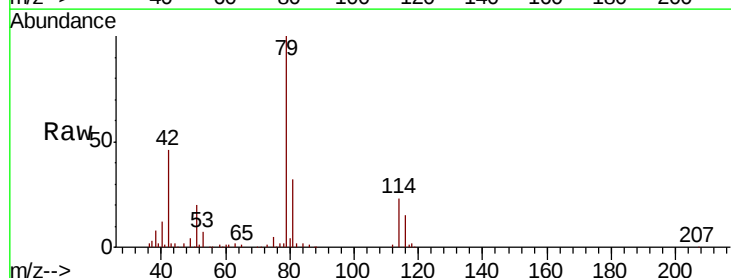


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

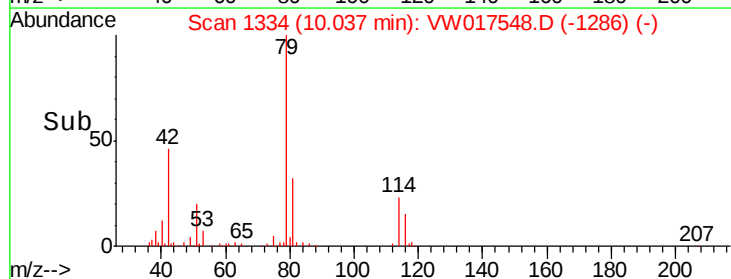
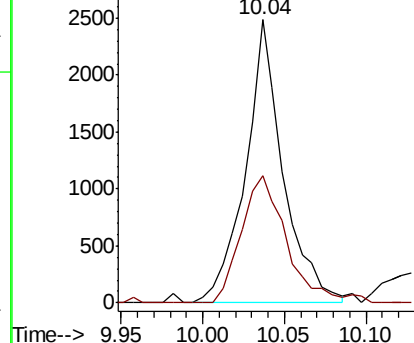


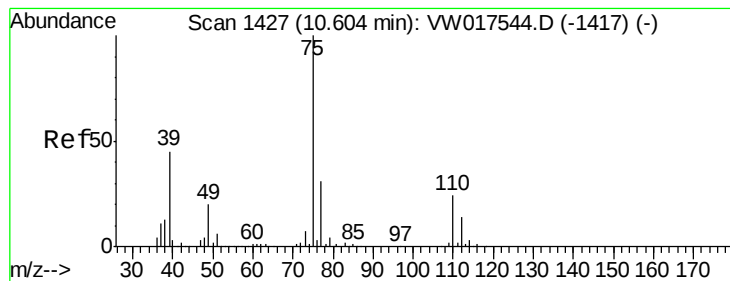
#42
cis-1,3-Dichloropropene
Concen: 0.540 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017548.D
Acq: 04 Dec 2020 12:10

Tgt Ion: 75 Resp: 4005
Ion Ratio Lower Upper
75 100
77 45.1 22.7 42.3#



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.430 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017548.D

Acq: 04 Dec 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

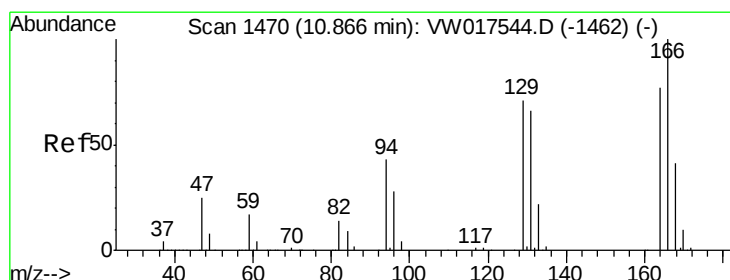
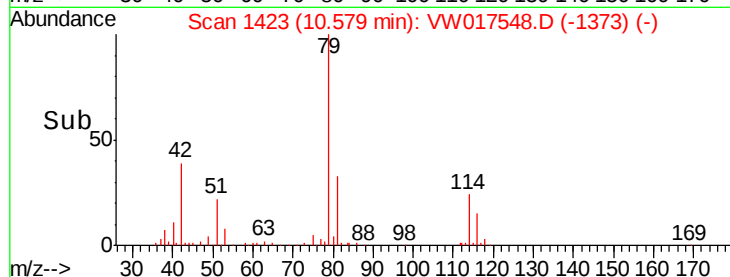
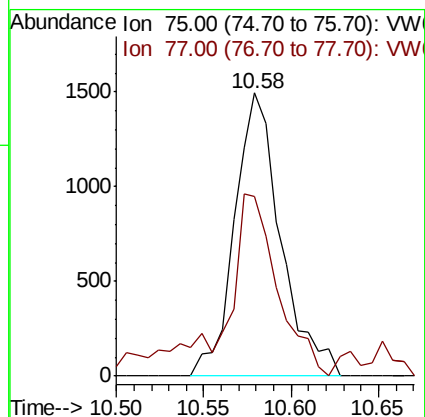
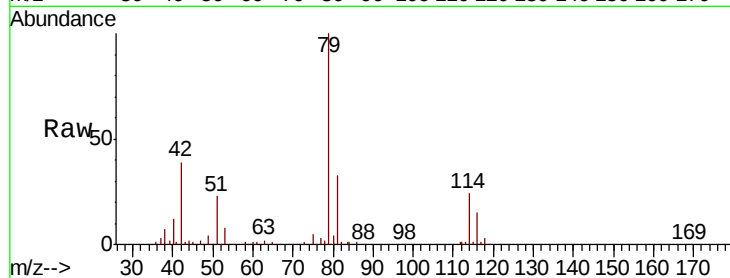
BG4G1

Tot Ion: 75 Resp: 2741

Ion Ratio Lower Upper

75 100

77 63.6 22.6 42.0#



#47

Tetrachloroethene

Concen: 4.980 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017548.D

Acq: 04 Dec 2020 12:10

Tgt Ion: 164 Resp: 23696

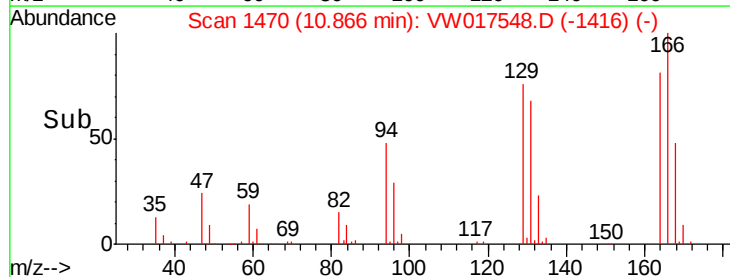
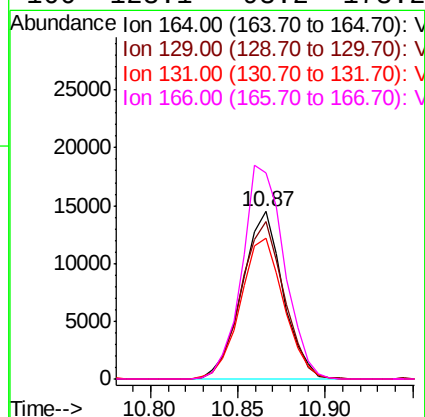
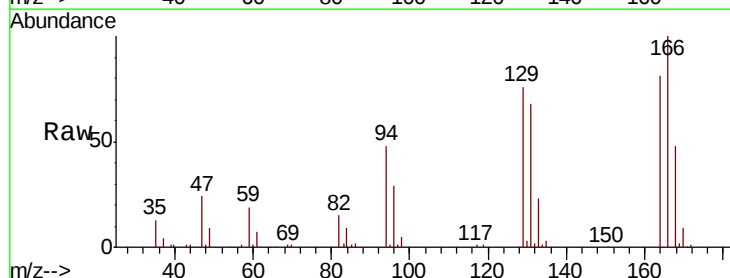
Ion Ratio Lower Upper

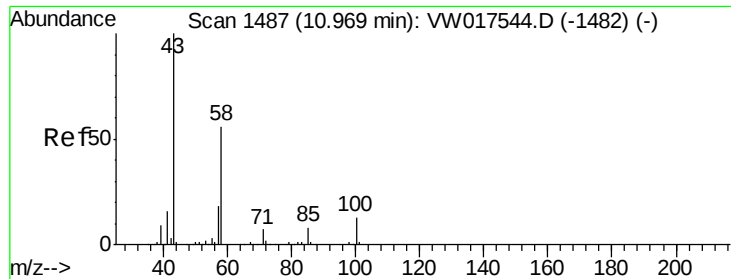
164 100

129 94.1 67.6 125.6

131 83.8 65.2 121.2

166 123.1 93.2 173.2





#49

2-Hexanone

Concen: 0.424 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017548.D

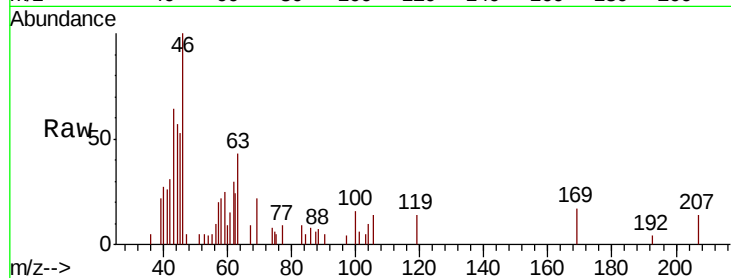
Acq: 04 Dec 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

BG4G1



Tot Ion: 43 Resp: 689

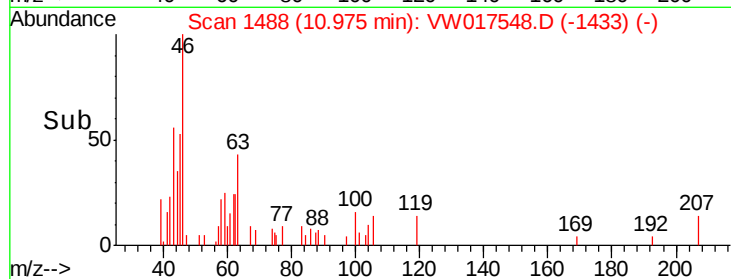
Ion Ratio Lower Upper

43 100

58 33.7 51.3 76.9#

57 21.9 15.0 22.6

100 19.0 12.2 18.2#



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

