

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017549.D
 Acq On : 04 Dec 2020 12:33
 Operator : SY/VA
 Sample : L4920-16RE
 Misc : 4.60G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4G2

Quant Time: Dec 05 07:37:24 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	8.85	114	371147	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298928	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	105352	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88636	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
7) Chloroethane-d5	2.89	69	80111	19.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.56%
10) 1,1-Dichloroethene-d2	4.02	63	155888	14.13	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.52%
20) 2-Butanone-d5	7.08	46	52748	49.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.54%
24) Chloroform-d	7.65	84	239685	22.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	8.30	65	128007	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.64%
29) Benzene-d6	8.27	84	448335	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	134099	25.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.52%
37) Toluene-d8	10.32	98	380911	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.80%
38) trans-1,3-Dichloropropene-	10.58	79	52346	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.16%
39) 2-Hexanone-d5	10.93	63	33654	51.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96753	25.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	87837	22.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.36%

Target Compounds

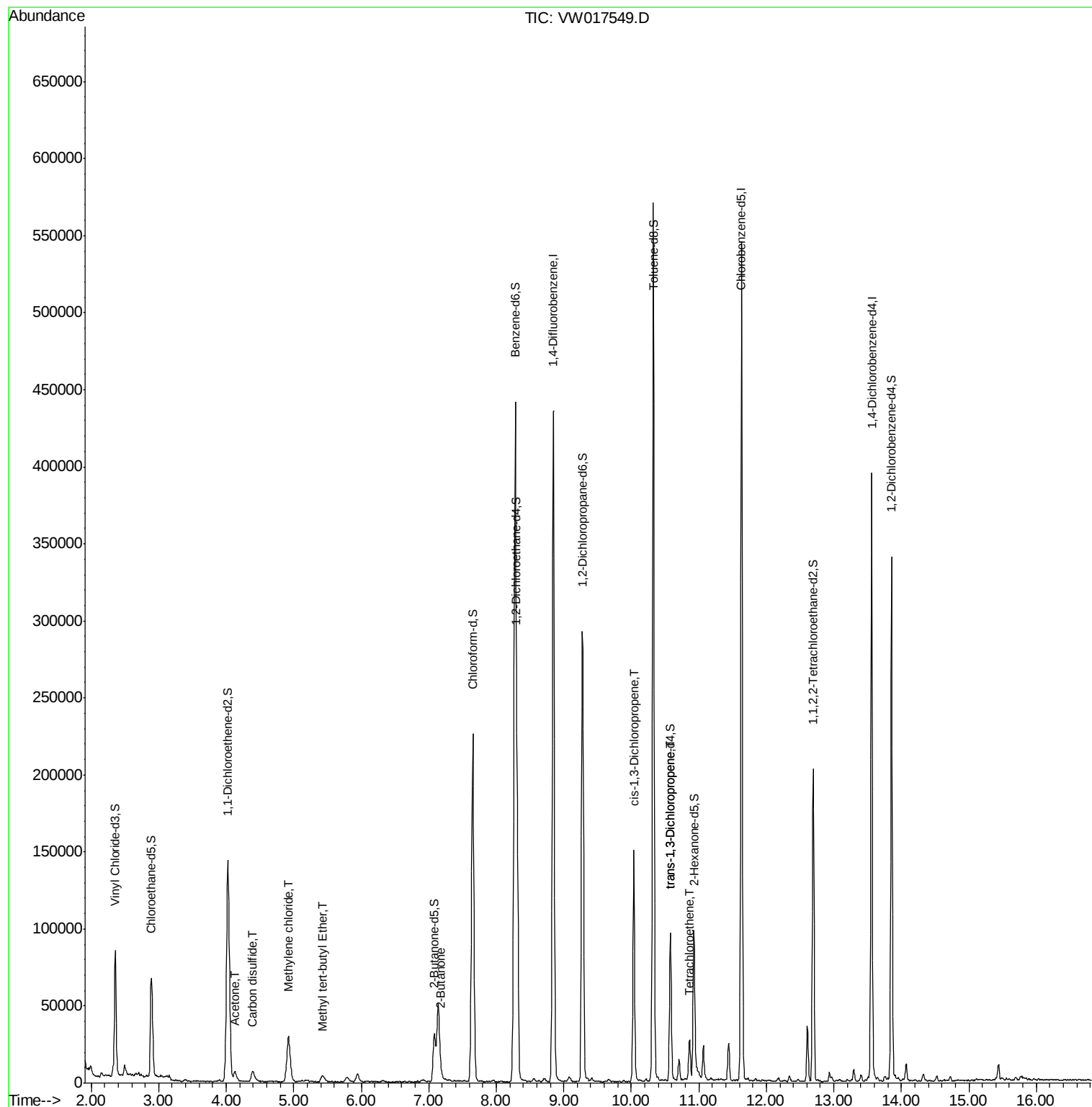
					Ovalue
13) Acetone	4.13	43	12066	11.576	ug/L 89
14) Carbon disulfide	4.39	76	13358	0.909	ug/L # 95
16) Methylene chloride	4.92	84	25720	4.596	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	4323	0.764	ug/L # 87
21) 2-Butanone	7.18	43	1686	1.364	ug/L 98
42) cis-1,3-Dichloropropene	10.04	75	4368	0.659	ug/L # 75
45) trans-1,3-Dichloropropene	10.58	75	3162	0.554	ug/L 98
47) Tetrachloroethene	10.87	164	5697	1.339	ug/L 90

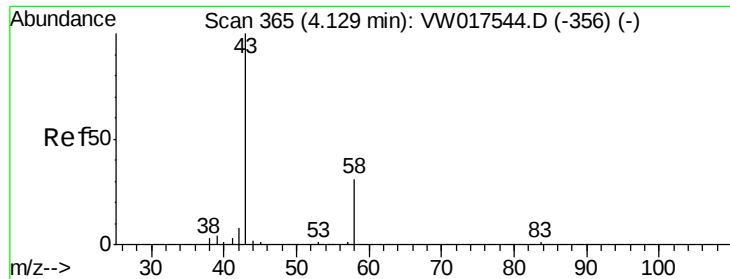
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 11.576 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

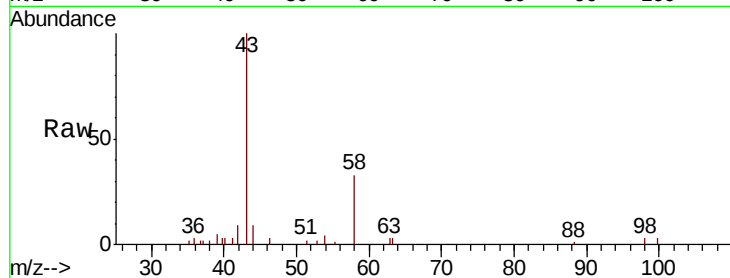
BG4G2

Tot Ion: 43 Resp: 12066

Ion Ratio Lower Upper

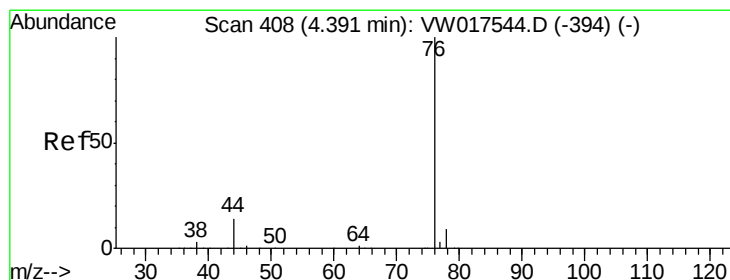
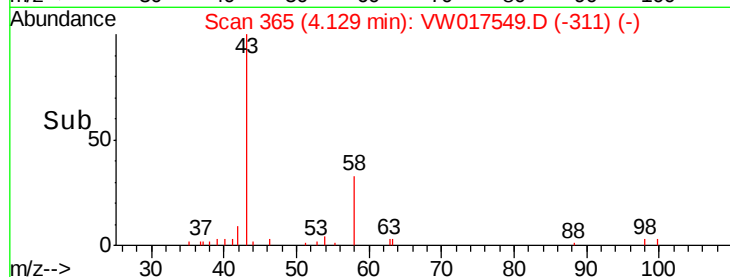
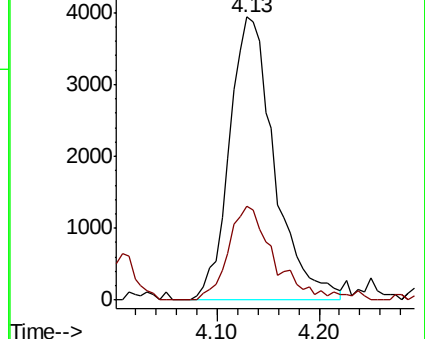
43 100

58 27.9 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.909 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017549.D

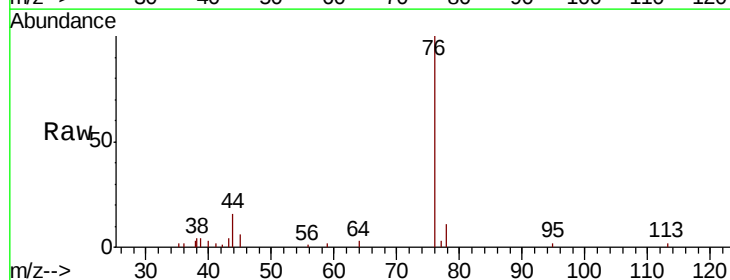
Acq: 04 Dec 2020 12:33

Tgt Ion: 76 Resp: 13358

Ion Ratio Lower Upper

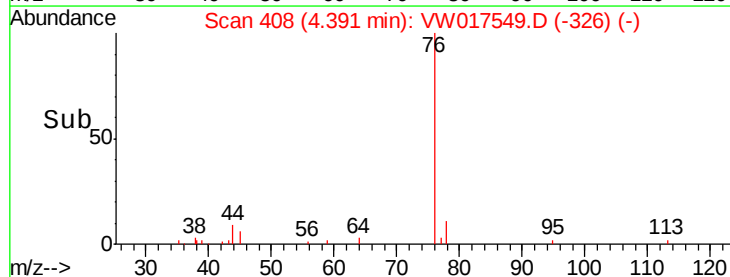
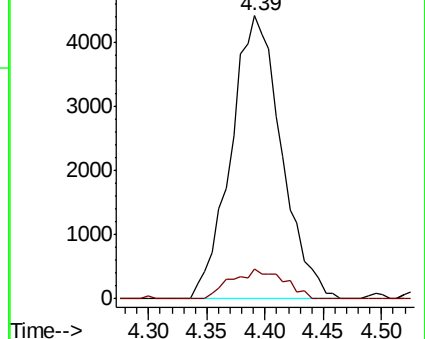
76 100

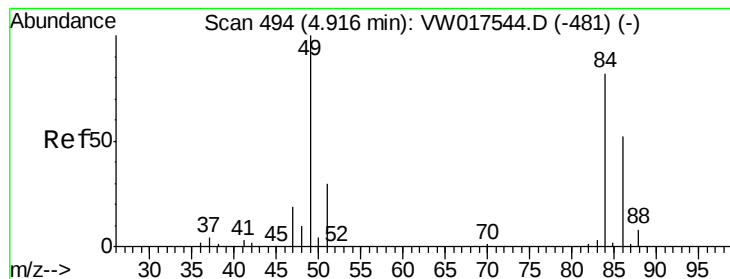
78 10.6 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 4.596 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

BG4G2

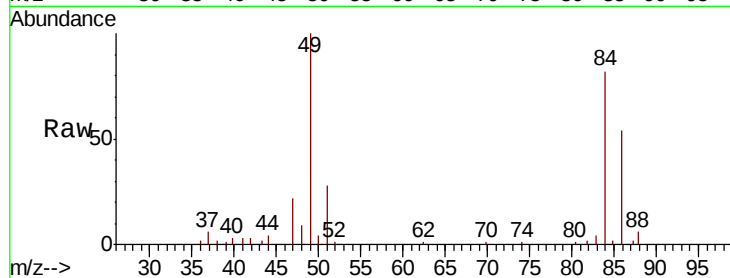
Tot Ion: 84 Resp: 25720

Ion Ratio Lower Upper

84 100

49 121.8 81.2 150.8

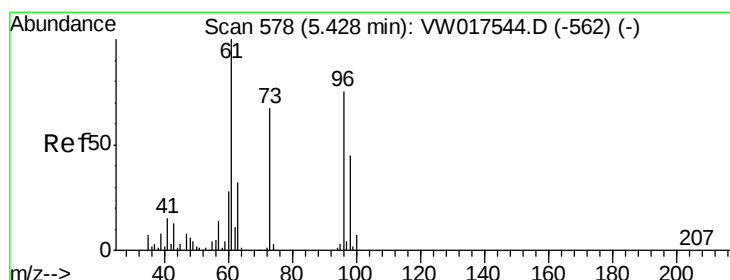
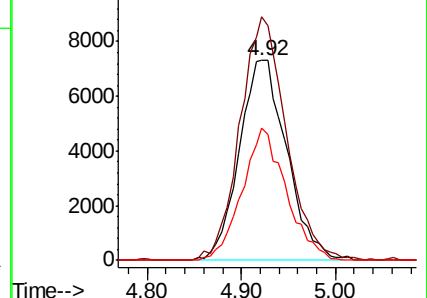
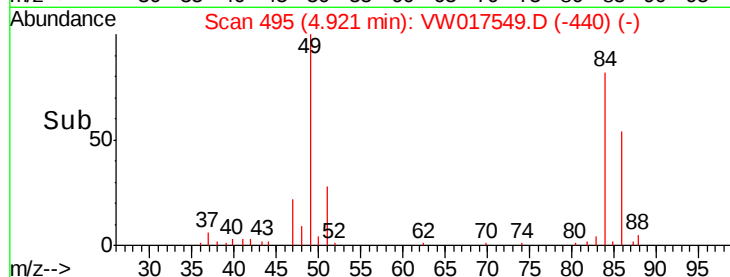
86 66.2 44.5 82.7



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



#17

Methyl tert-butyl Ether

Concen: 0.764 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

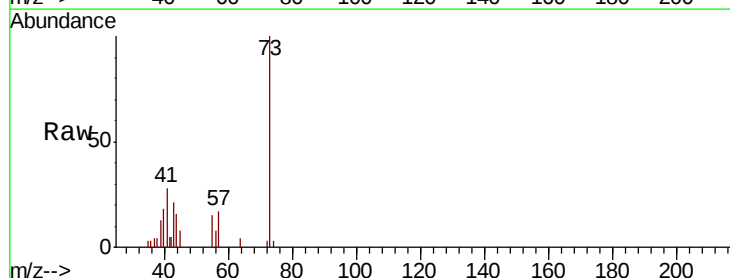
Tgt Ion: 73 Resp: 4323

Ion Ratio Lower Upper

73 100

43 16.0 16.2 24.4#

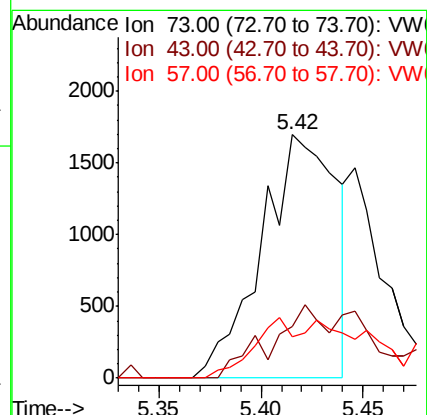
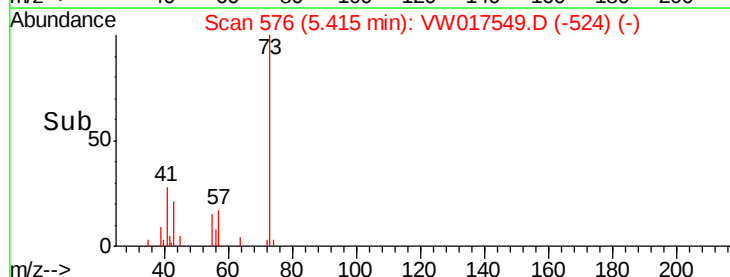
57 13.9 17.2 25.8#

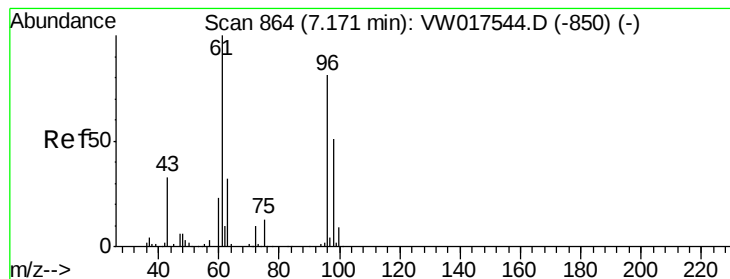


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#21

2-Butanone

Concen: 1.364 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

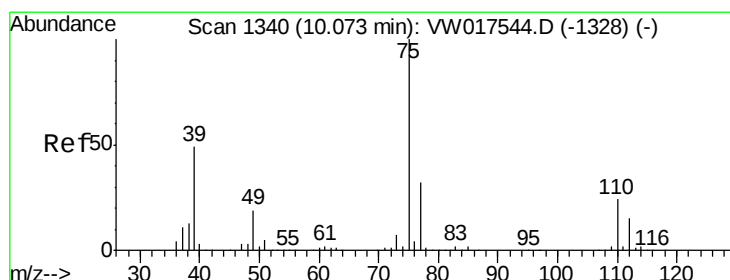
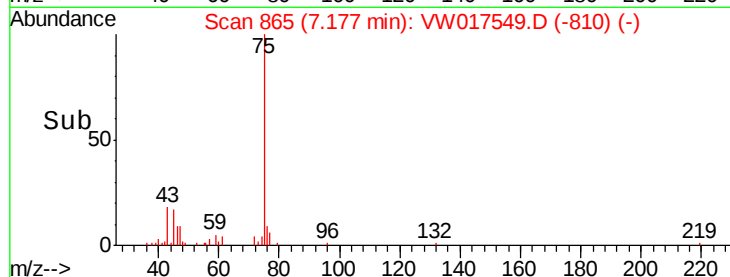
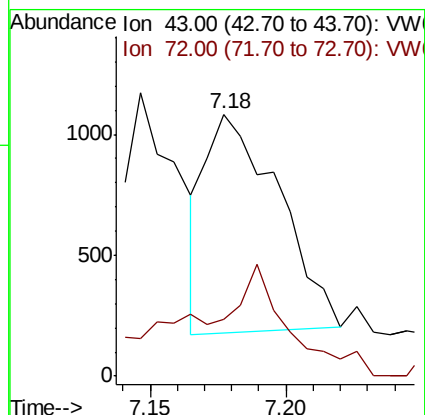
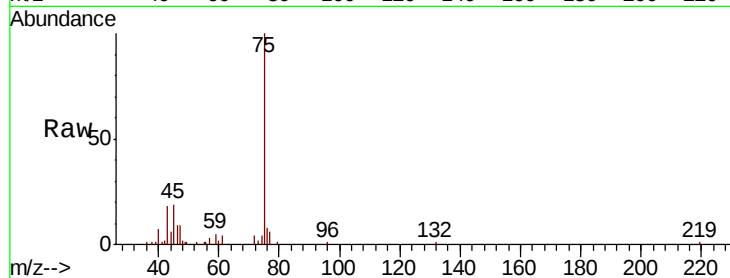
BG4G2

Tot Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

72 28.0 14.4 43.2



#42

cis-1,3-Dichloropropene

Concen: 0.659 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017549.D

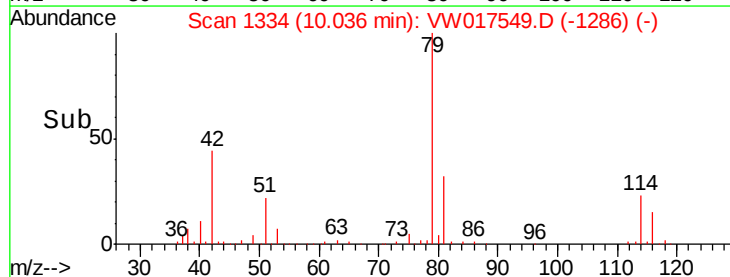
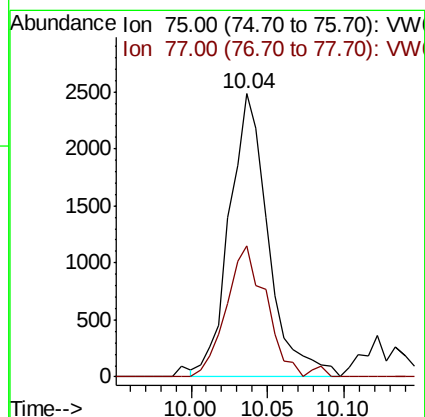
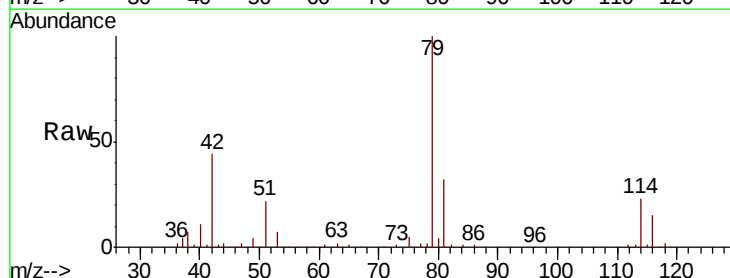
Acq: 04 Dec 2020 12:33

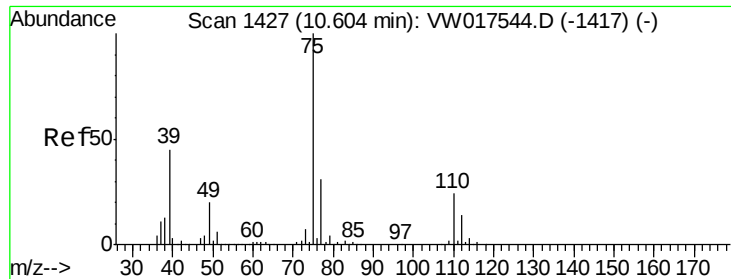
Tgt Ion: 75 Resp: 4368

Ion Ratio Lower Upper

75 100

77 46.5 22.7 42.3#





#45

trans-1,3-Dichloropropene

Concen: 0.554 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

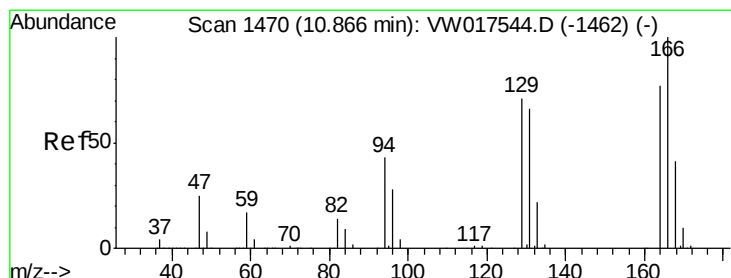
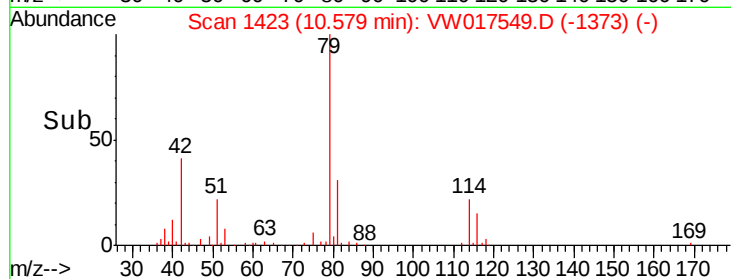
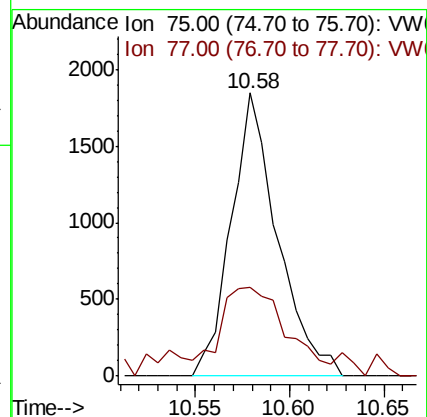
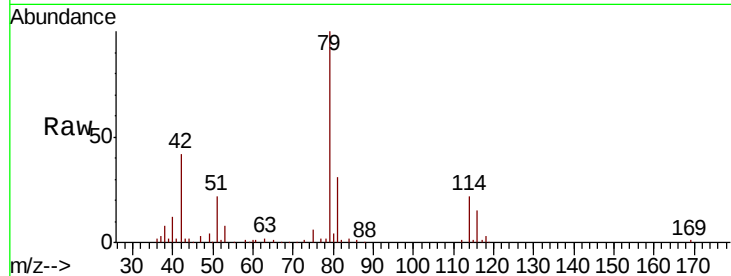
BG4G2

Tot Ion: 75 Resp: 3162

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



#47

Tetrachloroethene

Concen: 1.339 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017549.D

Acq: 04 Dec 2020 12:33

Tgt Ion: 164 Resp: 5697

Ion Ratio Lower Upper

164 100

129 78.3 67.6 125.6

131 85.7 65.2 121.2

166 127.8 93.2 173.2

