

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017539.D
 Acq On : 03 Dec 2020 17:33
 Operator : SY/VA
 Sample : L4920-16
 Misc : 4.52G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4G2

Quant Time: Dec 04 06:20:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 06:16:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	399173	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332886	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	138524	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90380	16.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.80%
7) Chloroethane-d5	2.89	69	80380	17.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.44%
10) 1,1-Dichloroethene-d2	4.03	63	153522	12.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.76%
20) 2-Butanone-d5	7.09	46	62498	54.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.54%
24) Chloroform-d	7.65	84	241455	20.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.16%
26) 1,2-Dichloroethane-d4	8.31	65	130675	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.80%
29) Benzene-d6	8.27	84	464099	22.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.08%
33) 1,2-Dichloropropane-d6	9.27	67	138440	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.04%
37) Toluene-d8	10.32	98	402960	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.32%
38) trans-1,3-Dichloropropene-	10.58	79	53896	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.36%
39) 2-Hexanone-d5	10.93	63	39098	53.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103753	24.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	112672	21.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.20%

Target Compounds

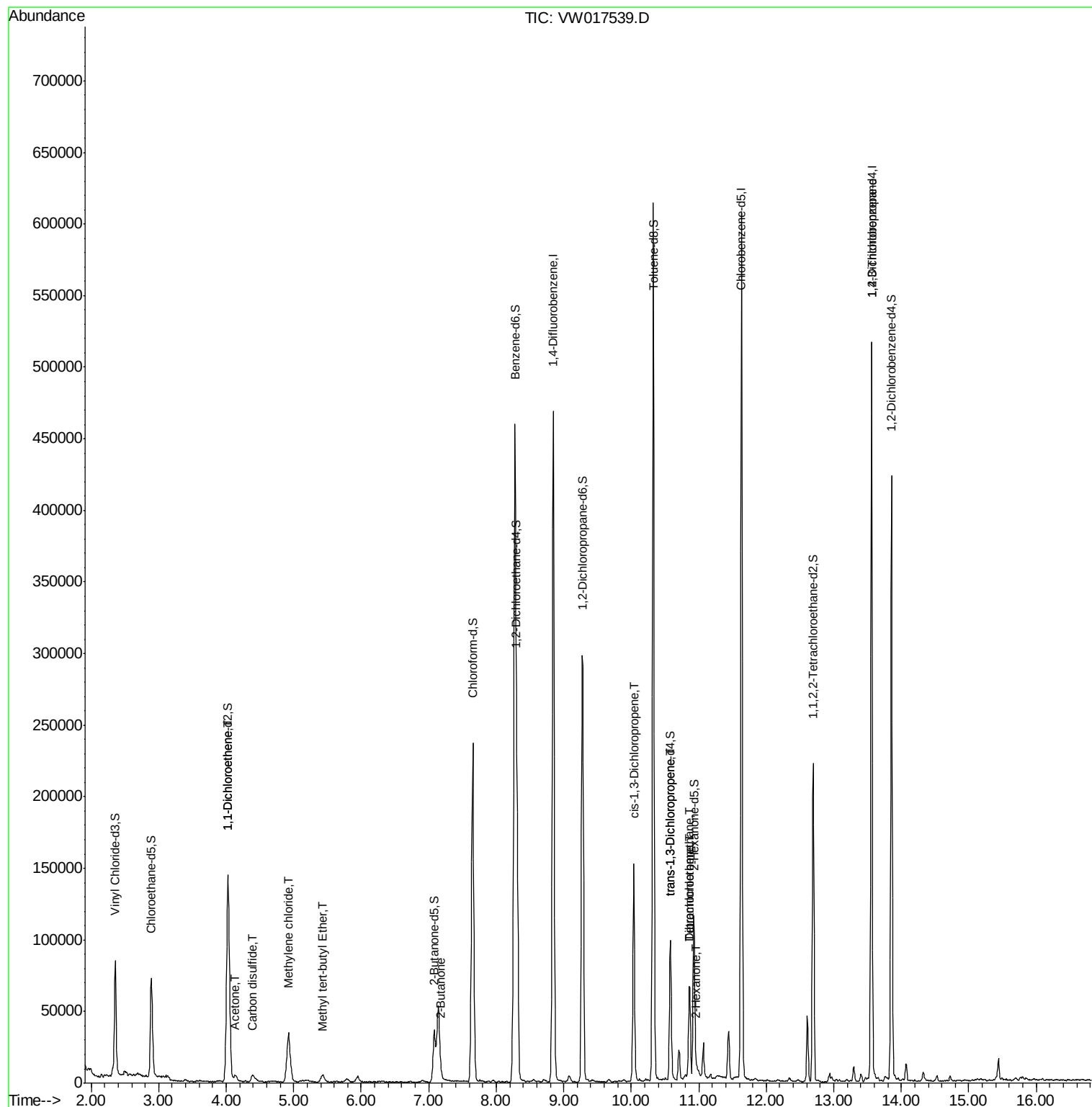
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.02	96	1551	0.279	ug/L #	1
13) Acetone	4.14	43	8816	7.864	ug/L	78
14) Carbon disulfide	4.40	76	8916	0.564	ug/L #	93
16) Methylene chloride	4.92	84	28880	4.798	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	3789	0.623	ug/L #	63
21) 2-Butanone	7.18	43	1565	1.178	ug/L	80
42) cis-1,3-Dichloropropene	10.04	75	4197	0.568	ug/L #	69
45) trans-1,3-Dichloropropene	10.57	75	2653	0.417	ug/L	85
47) Tetrachloroethene	10.87	164	15096	3.185	ug/L	93
49) 2-Hexanone	10.97	43	1237	0.764	ug/L #	60
50) Dibromochloromethane	10.87	129	13990	3.150	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	15259	5.328	ug/L	91

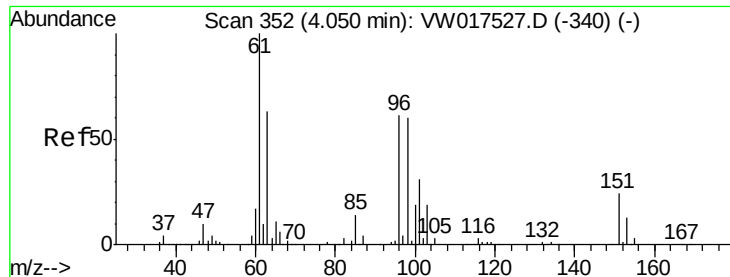
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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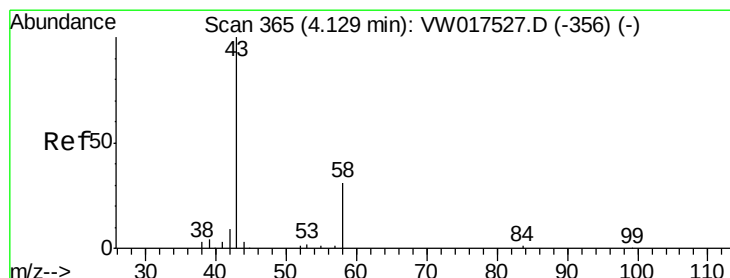
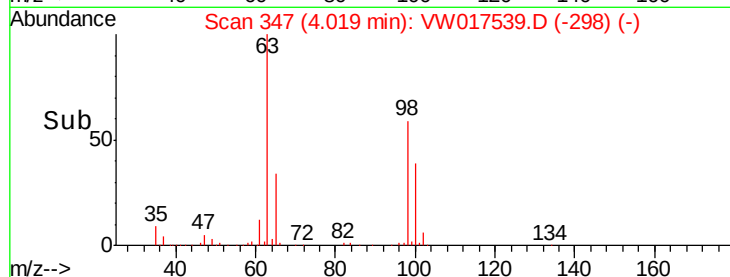
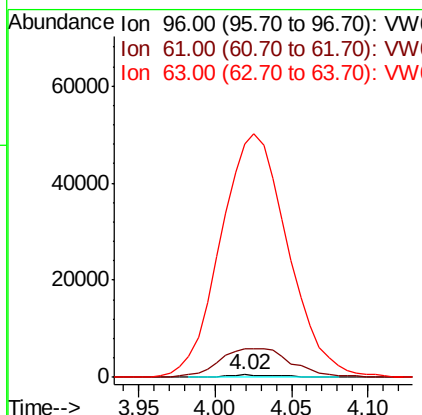
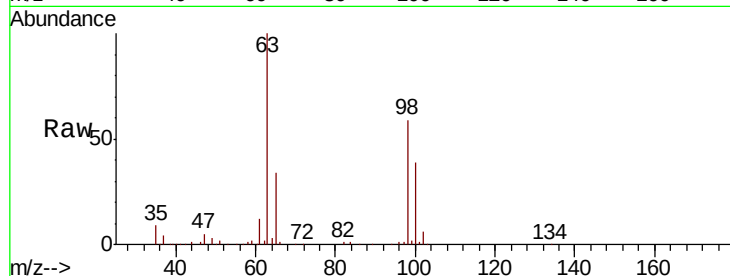




#12
 1,1-Dichloroethene
 Concen: 0.279 ug/L
 RT: 4.02 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VW017539.D
 Acq: 03 Dec 2020 17:33

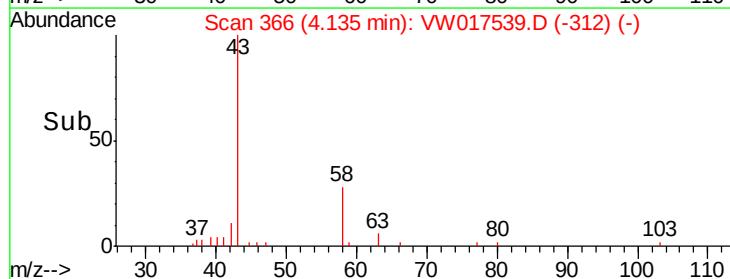
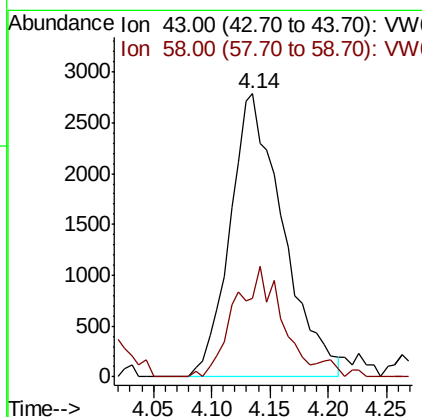
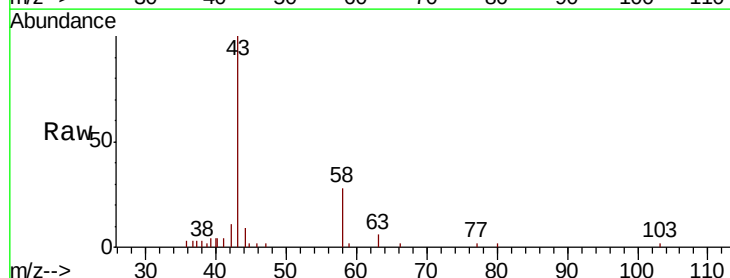
Instrument :
 MSVOA_W
 ClientSampled :
 BG4G2

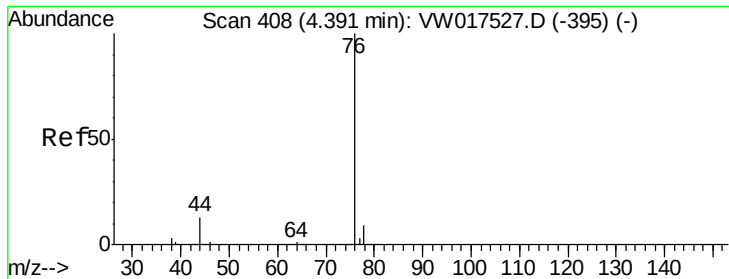
Tot Ion: 96 Resp: 1551
 Ion Ratio Lower Upper
 96 100
 61 1181.0 112.5 208.9#
 63 9749.0 83.1 154.3#



#13
 Acetone
 Concen: 7.864 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VW017539.D
 Acq: 03 Dec 2020 17:33

Tgt Ion: 43 Resp: 8816
 Ion Ratio Lower Upper
 43 100
 58 21.3 0.0 68.4





#14

Carbon disulfide

Concen: 0.564 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

ClientSampleId :

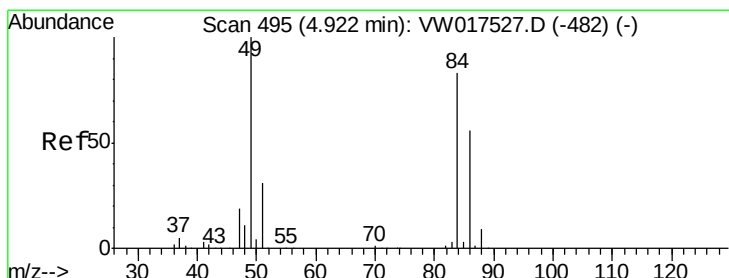
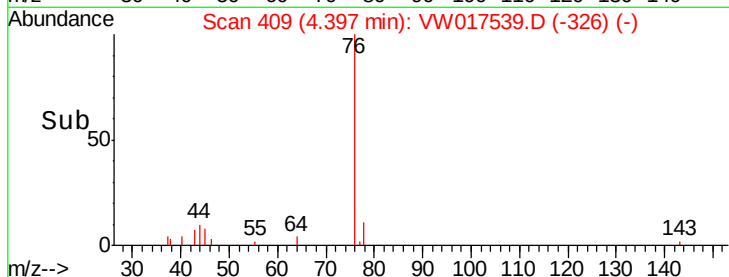
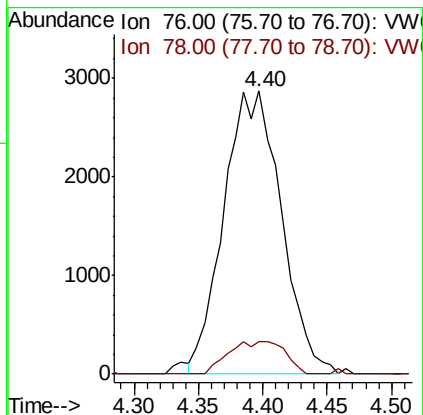
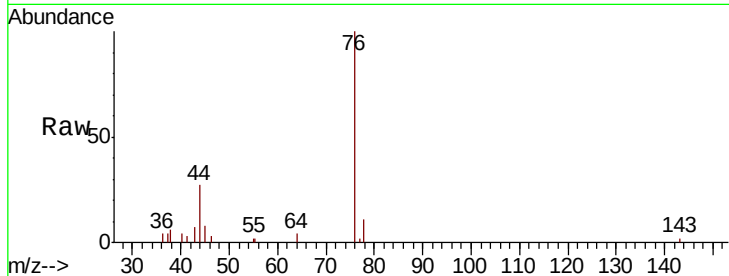
BG4G2

Tot Ion: 76 Resp: 8916

Ion Ratio Lower Upper

76 100

78 11.3 7.0 10.4#



#16

Methylene chloride

Concen: 4.798 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

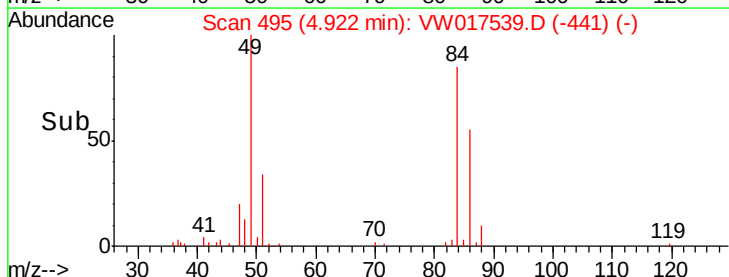
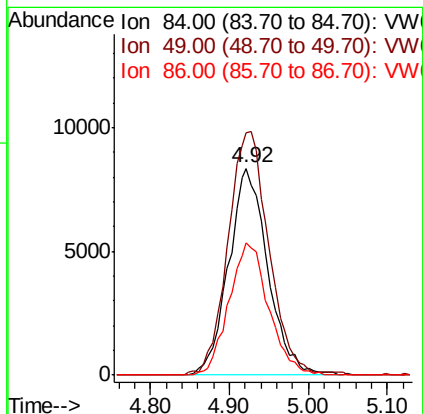
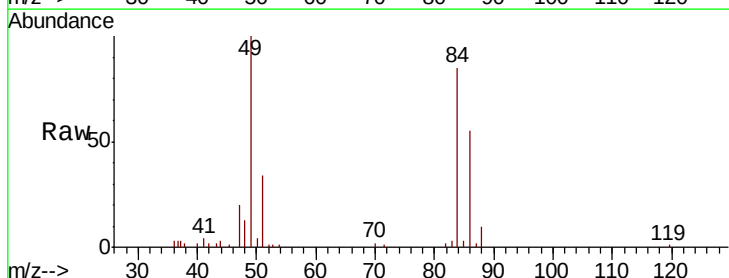
Tgt Ion: 84 Resp: 28880

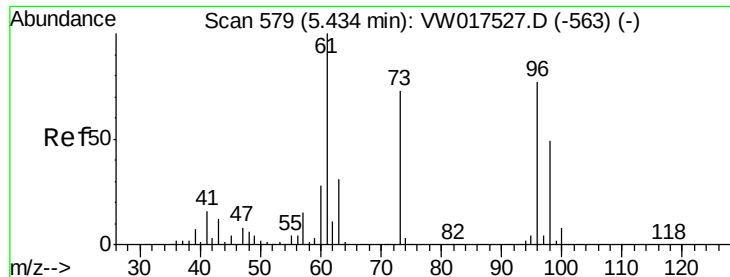
Ion Ratio Lower Upper

84 100

49 117.0 81.2 150.8

86 63.9 44.5 82.7

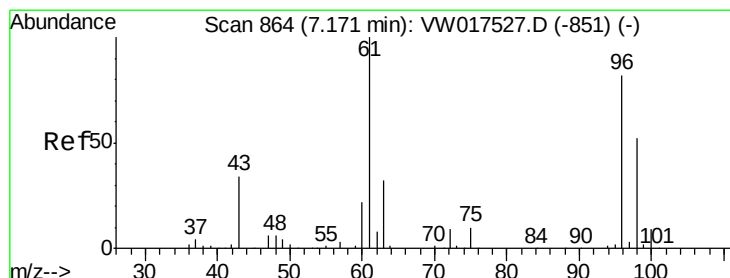
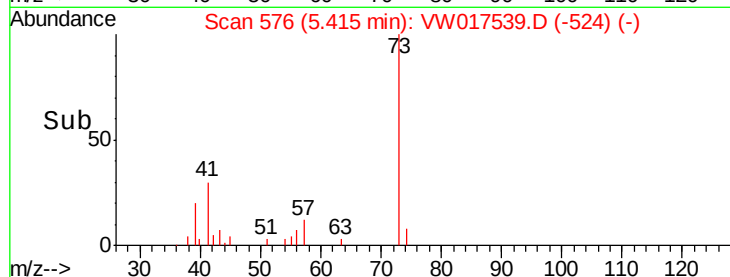
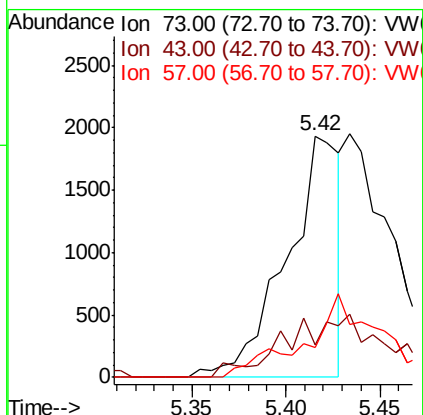
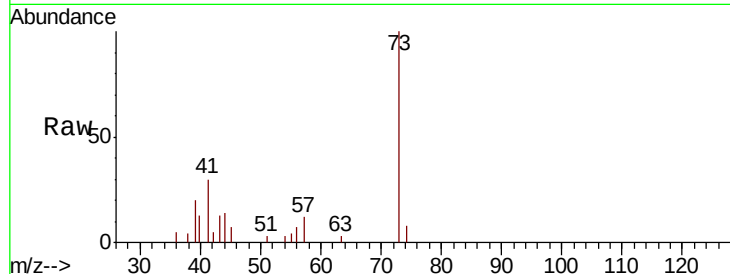




#17
Methyl tert-butyl Ether
Concen: 0.623 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

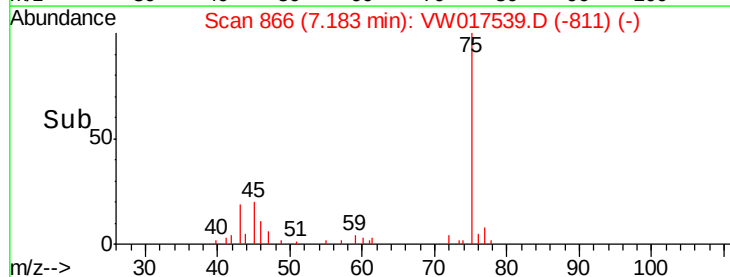
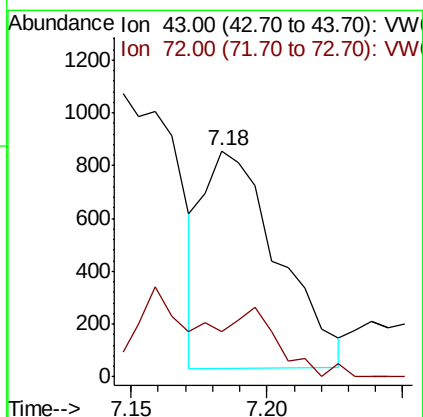
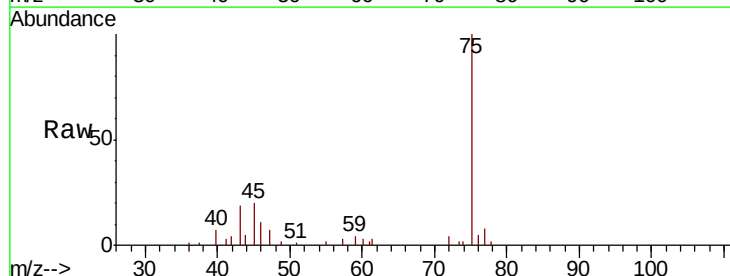
Instrument :
MSVOA_W
ClientSampleId :
BG4G2

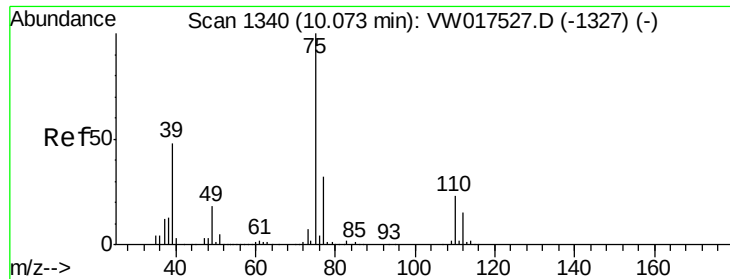
Tot Ion: 73 Resp: 3789
Ion Ratio Lower Upper
73 100
43 7.1 16.2 24.4#
57 0.0 17.2 25.8#



#21
2-Butanone
Concen: 1.178 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
72 18.2 14.4 43.2





#42

cis-1,3-Dichloropropene

Concen: 0.568 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

ClientSampled :

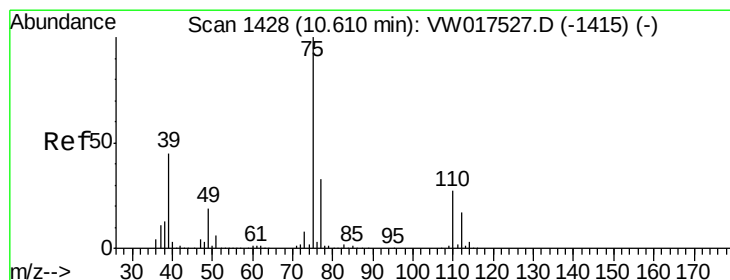
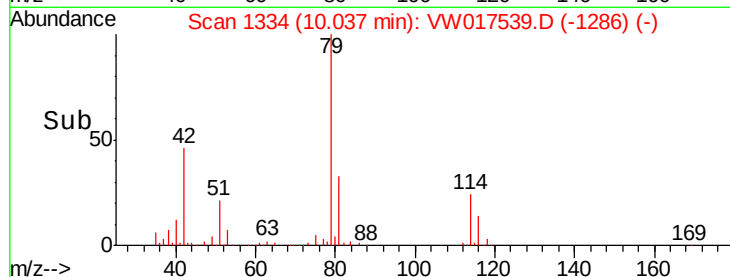
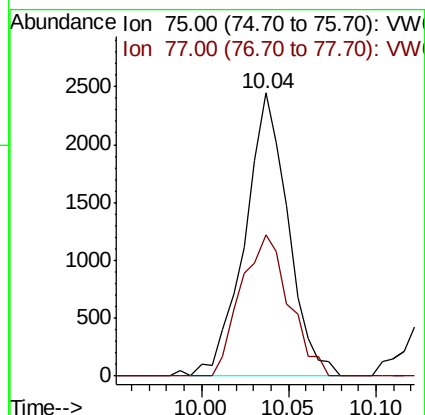
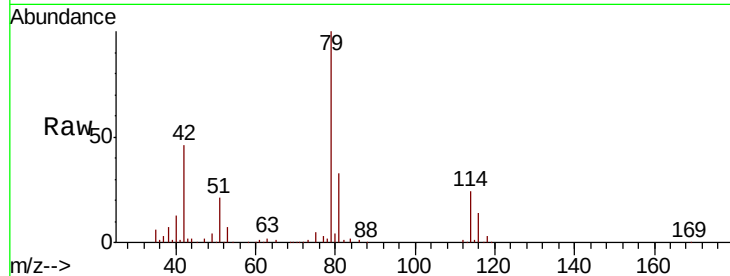
BG4G2

Tot Ion: 75 Resp: 4197

Ion Ratio Lower Upper

75 100

77 50.0 22.7 42.3#



#45

trans-1,3-Dichloropropene

Concen: 0.417 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW017539.D

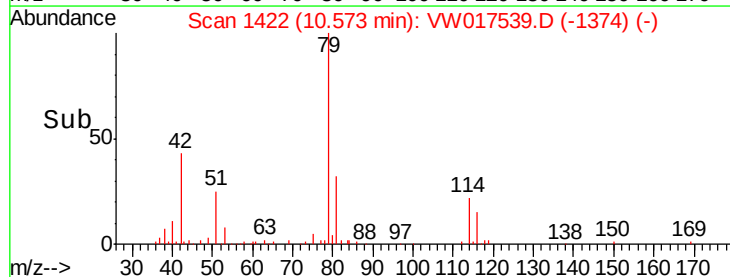
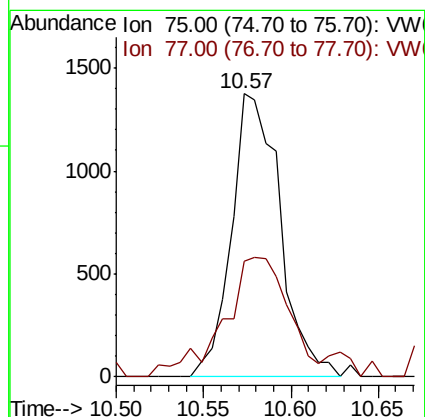
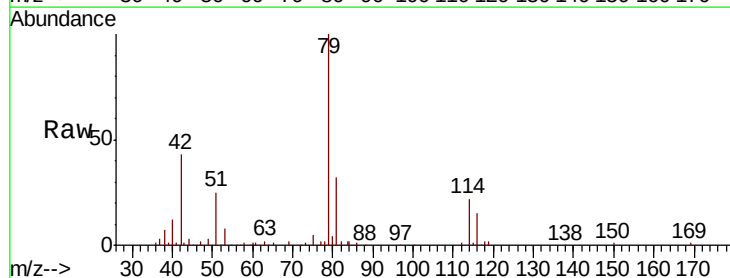
Acq: 03 Dec 2020 17:33

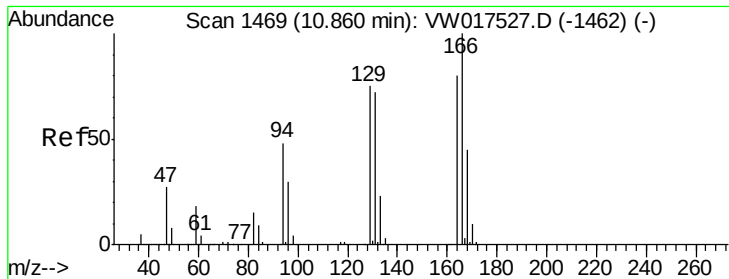
Tgt Ion: 75 Resp: 2653

Ion Ratio Lower Upper

75 100

77 40.9 22.6 42.0

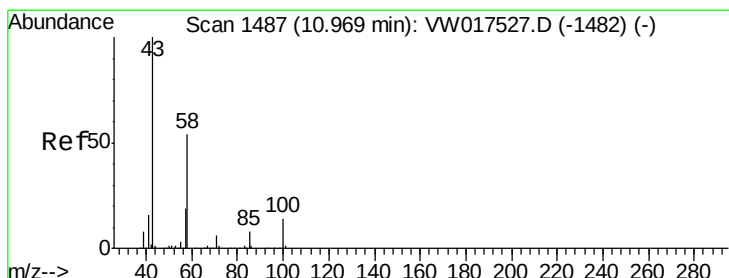
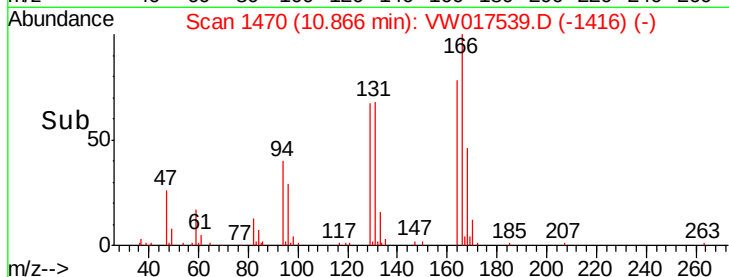
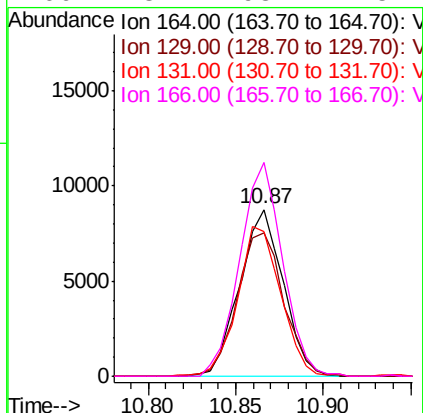
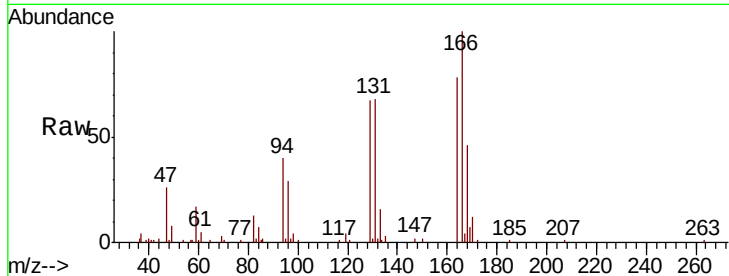




#47
Tetrachloroethene
Concen: 3.185 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

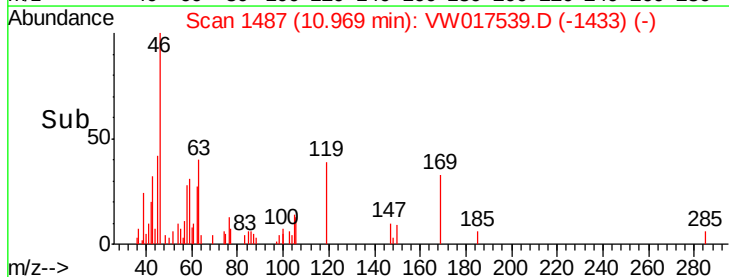
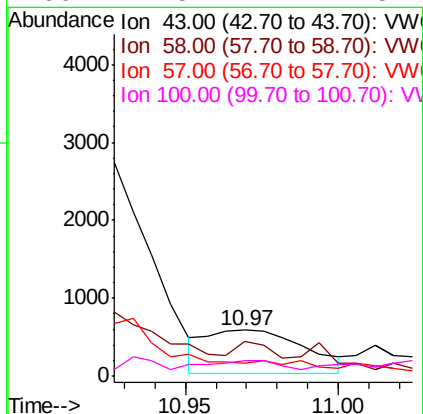
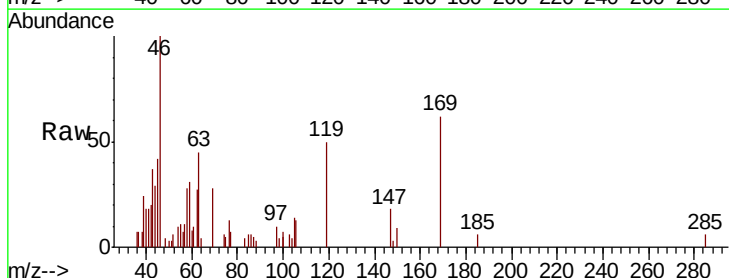
Instrument :
MSVOA_W
ClientSampleId :
BG4G2

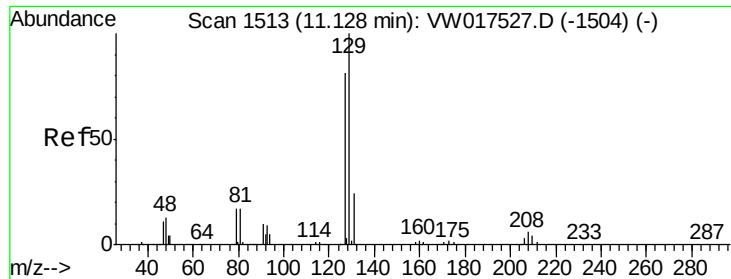
Tot Ion:	164	Resp:	15096
Ion	Ratio	Lower	Upper
164	100		
129	86.4	67.6	125.6
131	86.9	65.2	121.2
166	128.2	93.2	173.2



#49
2-Hexanone
Concen: 0.764 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

Tgt Ion:	43	Resp:	1237
Ion	Ratio	Lower	Upper
43	100		
58	29.0	51.3	76.9#
57	0.0	15.0	22.6#
100	22.5	12.2	18.2#





#50

Dibromochloromethane

Concen: 3.150 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

ClientSampleId :

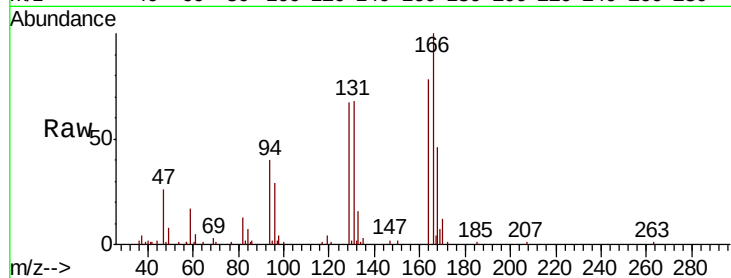
BG4G2

Tot Ion:129 Resp: 13990

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8000

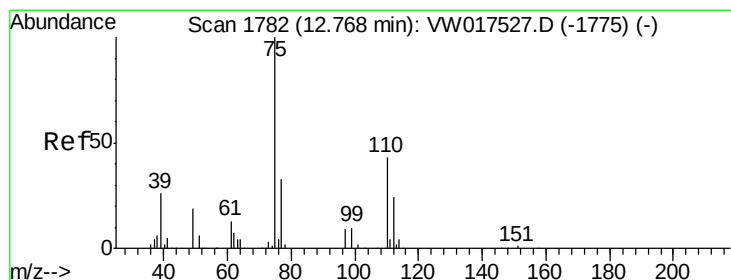
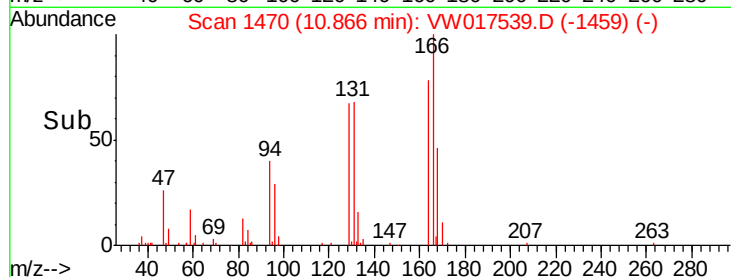
6000

4000

2000

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 5.328 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017539.D

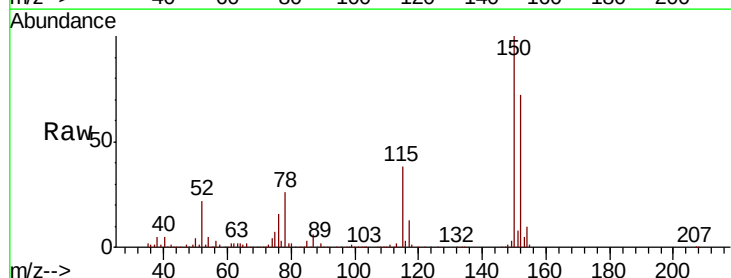
Acq: 03 Dec 2020 17:33

Tgt Ion: 75 Resp: 15259

Ion Ratio Lower Upper

75 100

77 38.4 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10000

8000

6000

4000

2000

0

Time--> 13.50 13.55 13.60

