

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017178.D
 Acq On : 12 Nov 2020 12:36
 Operator : SY/VA
 Sample : L4693-15
 Misc : 5.64G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E1

Quant Time: Nov 13 04:18:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	506384	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415409	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175711	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123657	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.56%
7) Chloroethane-d5	2.90	69	103188	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
10) 1,1-Dichloroethene-d2	4.02	63	191928	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
20) 2-Butanone-d5	7.09	46	36597	25.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.32%
24) Chloroform-d	7.65	84	233601	19.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.04%
26) 1,2-Dichloroethane-d4	8.31	65	112944	19.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.88%
29) Benzene-d6	8.28	84	473347	22.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.52%
33) 1,2-Dichloropropane-d6	9.28	67	122536	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.76%
37) Toluene-d8	10.33	98	436679	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.56%
38) trans-1,3-Dichloropropene-	10.58	79	49785	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.48%
39) 2-Hexanone-d5	10.93	63	27519	26.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82139	16.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	64.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	125047	20.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.80%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	6120	0.905 ug/L #	45
12) 1,1-Dichloroethene	4.04	96	50947	8.106 ug/L #	51
13) Acetone	4.15	43	6061	6.346 ug/L	93
14) Carbon disulfide	4.39	76	15233	0.891 ug/L	95
16) Methylene chloride	4.92	84	9909	1.451 ug/L	90
17) Methyl tert-butyl Ether	5.42	73	1830	0.238 ug/L #	87
21) 2-Butanone	7.18	43	1721	1.122 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	53021	7.708 ug/L	98
34) Benzene	8.32	78	652538	29.915 ug/L	100
35) Trichloroethene	9.09	95	3107169	508.509 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	3630	0.449 ug/L #	50
44) Toluene	10.39	91	10876	0.453 ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	2366	0.341 ug/L #	75
47) Tetrachloroethene	10.86	164	5939862	1077.436 ug/L	93
59) 1,2,3-Trichloropropane	13.56	75	17798	4.875 ug/L	89

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Quant Title : VOC Analysis
QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration

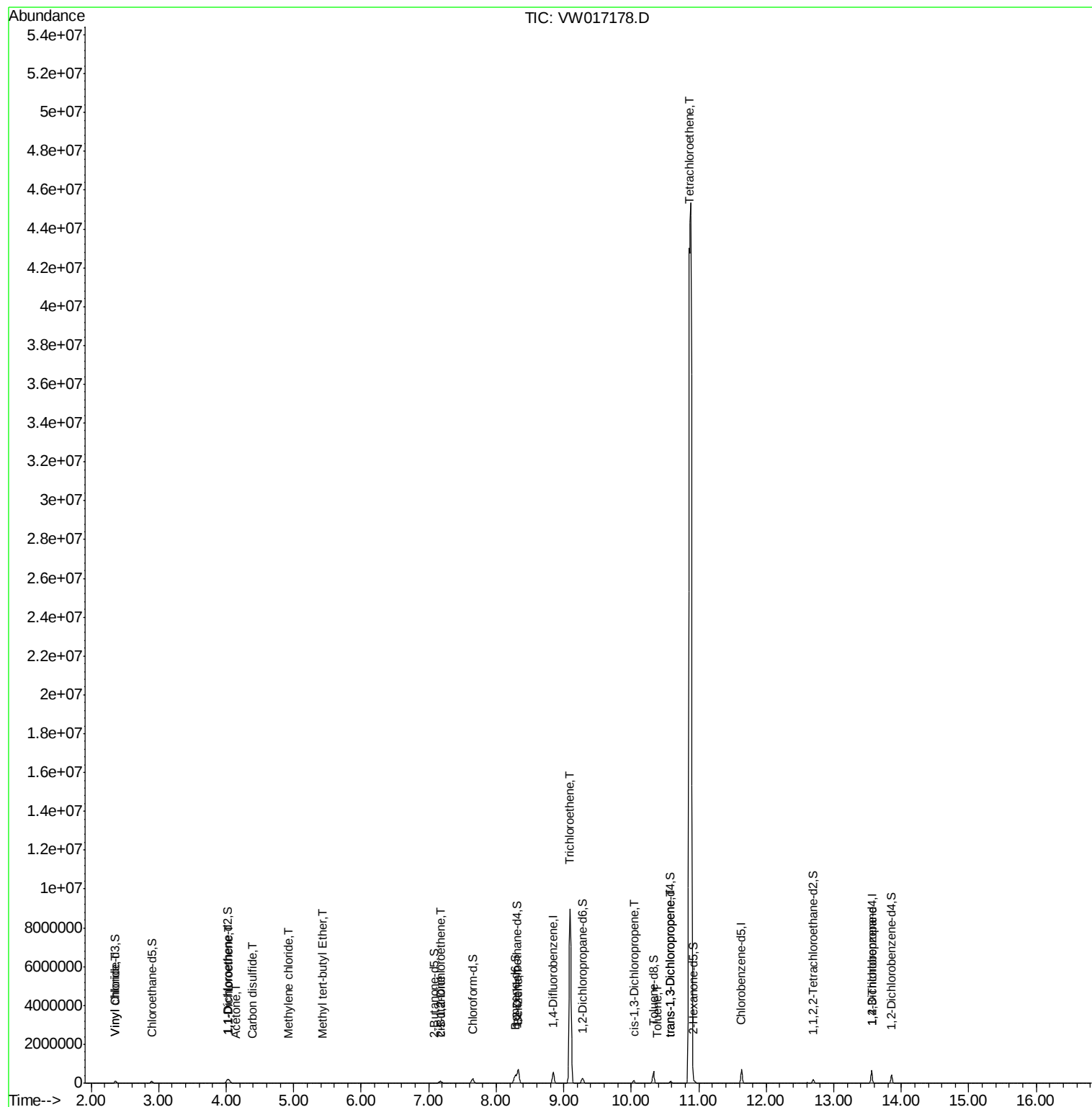
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

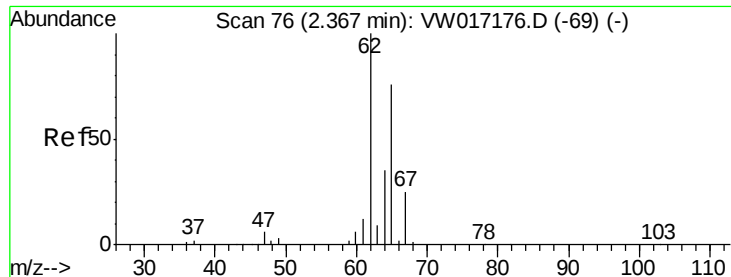
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111220\
Data File : VW017178.D
Acq On : 12 Nov 2020 12:36
Operator : SY/VA
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.905 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

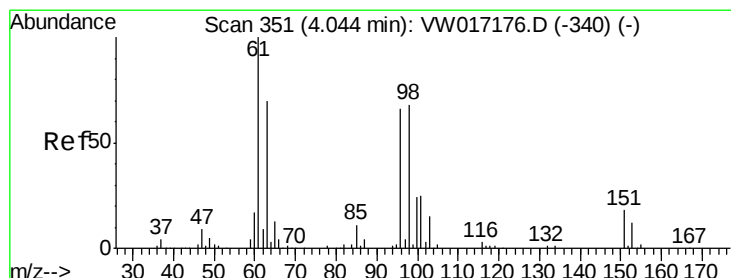
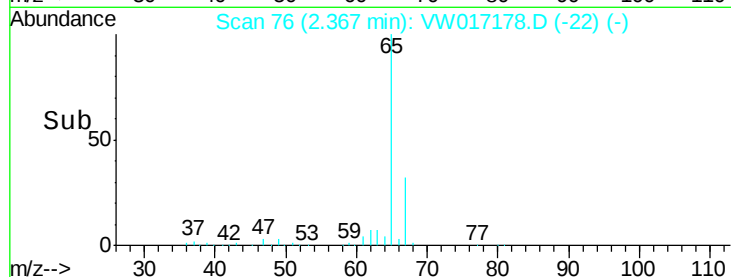
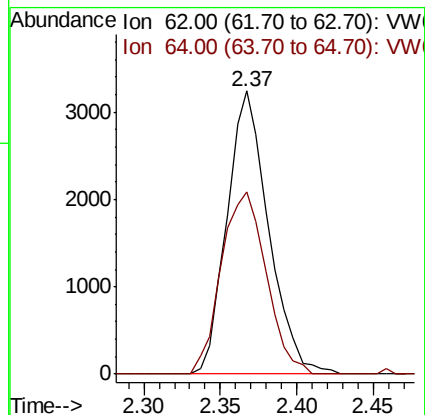
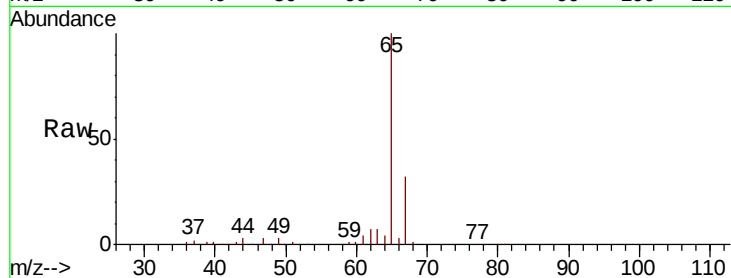
BG4E1

Tot Ion: 62 Resp: 6120

Ion Ratio Lower Upper

62 100

64 64.5 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 8.106 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

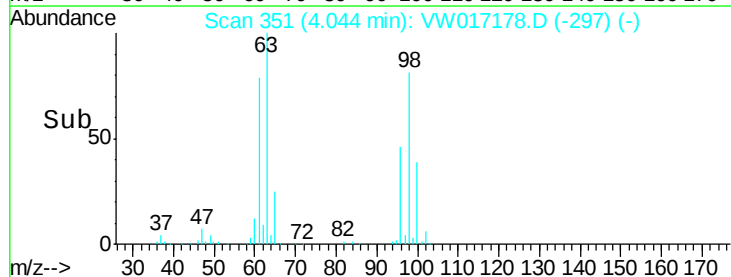
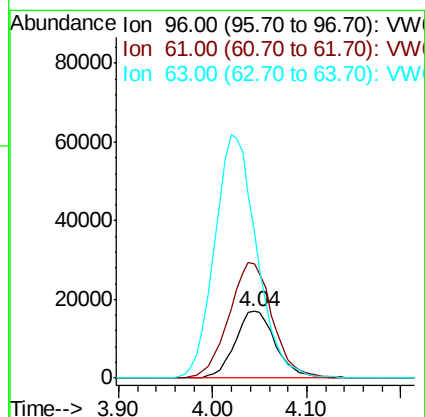
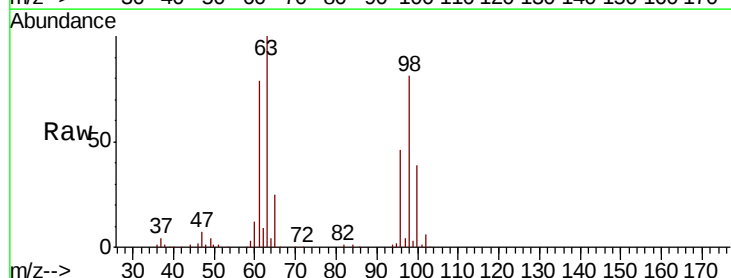
Tgt Ion: 96 Resp: 50947

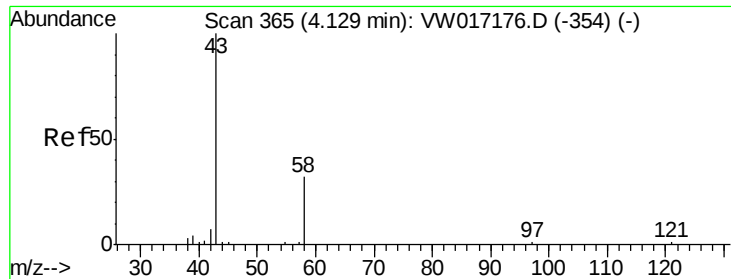
Ion Ratio Lower Upper

96 100

61 171.4 103.8 192.8

63 218.2 84.4 156.7#





#13

Acetone

Concen: 6.346 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

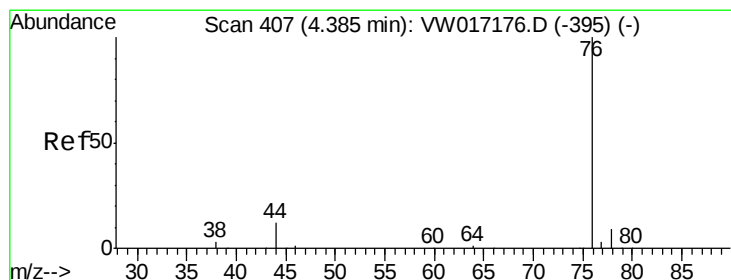
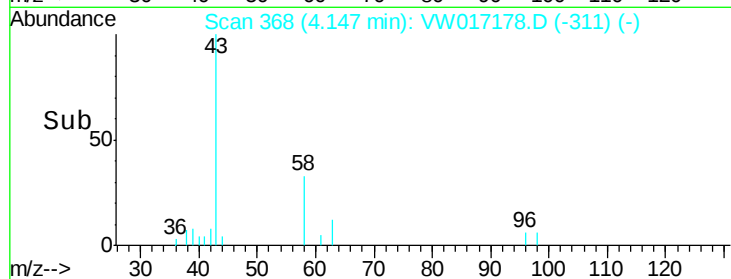
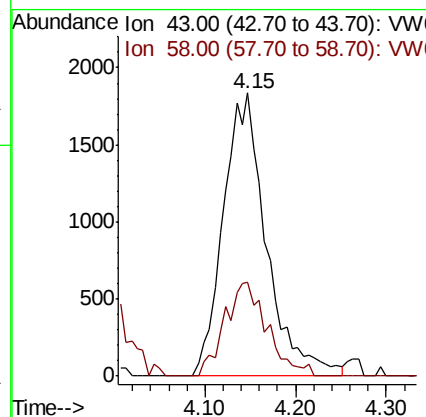
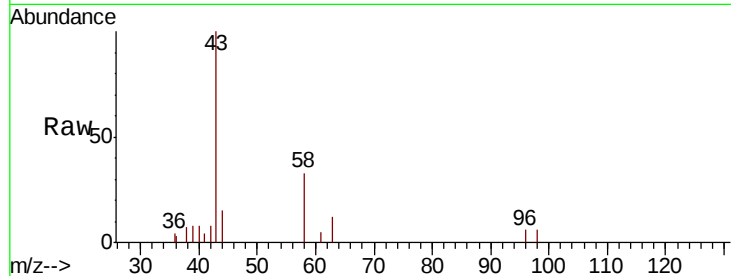
BG4E1

Tot Ion: 43 Resp: 6061

Ion Ratio Lower Upper

43 100

58 30.3 0.0 69.2



#14

Carbon disulfide

Concen: 0.891 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017178.D

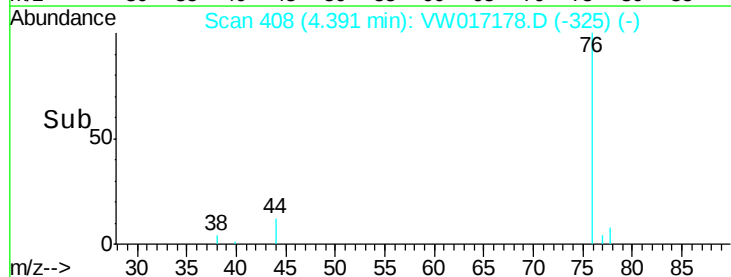
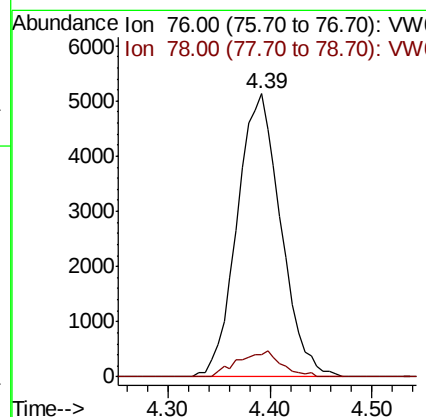
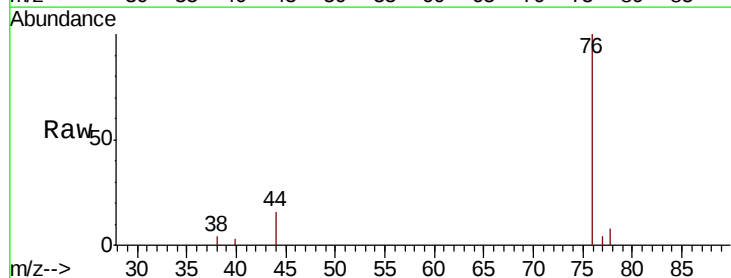
Acq: 12 Nov 2020 12:36

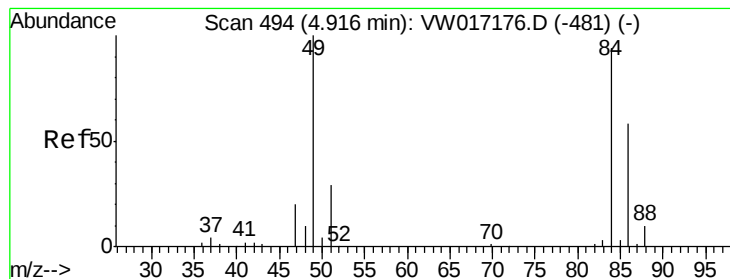
Tgt Ion: 76 Resp: 15233

Ion Ratio Lower Upper

76 100

78 7.6 7.6 11.4





#16

Methylene chloride

Concen: 1.451 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

BG4E1

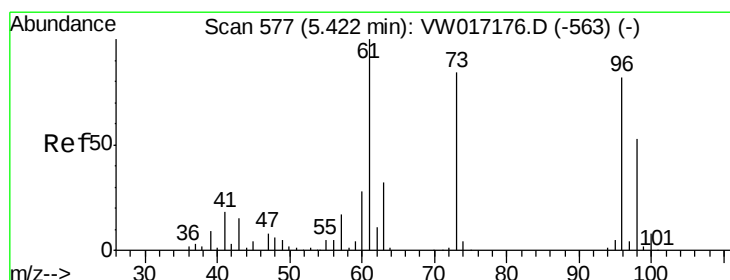
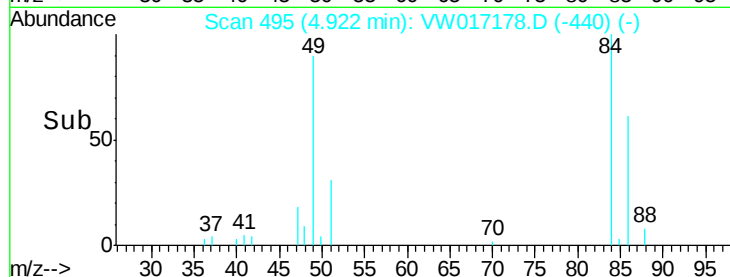
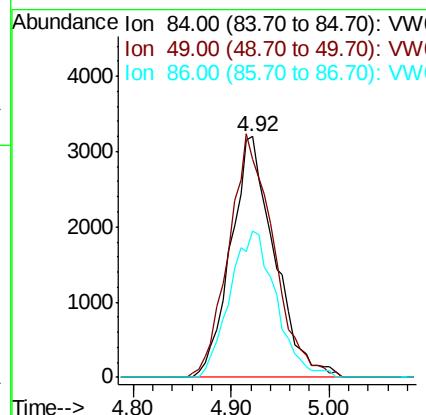
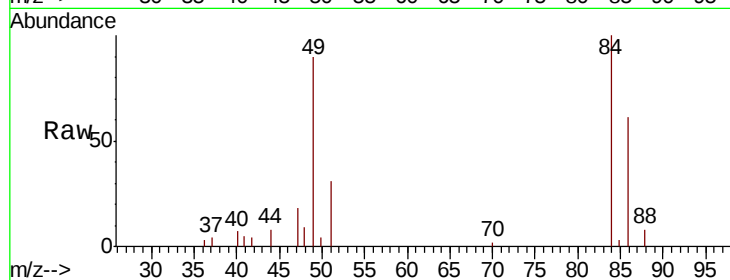
Tot Ion: 84 Resp: 9909

Ion Ratio Lower Upper

84 100

49 90.4 72.3 134.3

86 60.9 45.1 83.7



#17

Methyl tert-butyl Ether

Concen: 0.238 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

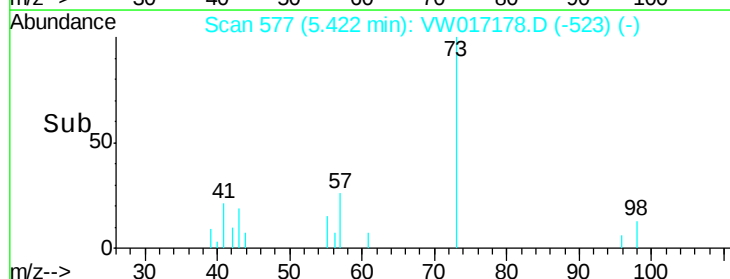
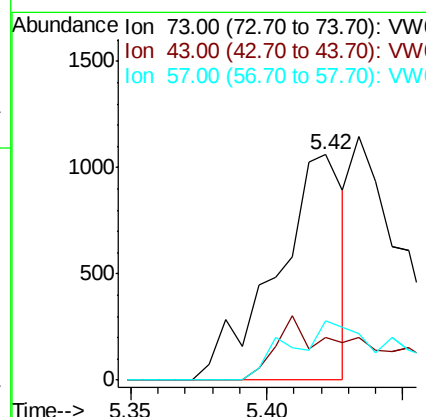
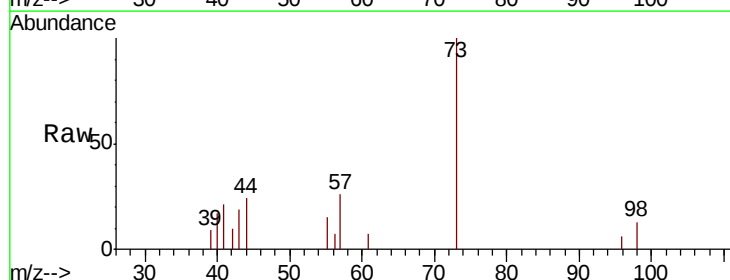
Tgt Ion: 73 Resp: 1830

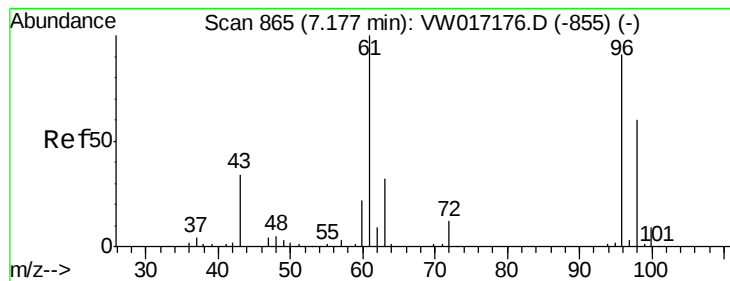
Ion Ratio Lower Upper

73 100

43 17.0 14.5 21.7

57 9.9 16.3 24.5#





#21

2-Butanone

Concen: 1.122 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

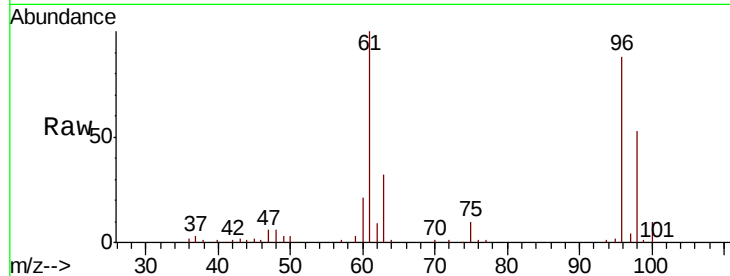
BG4E1

Tot Ion: 43 Resp: 1721

Ion Ratio Lower Upper

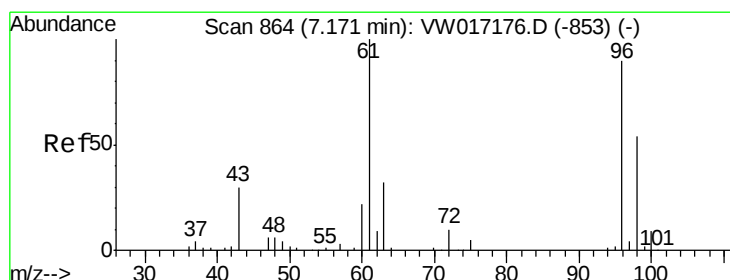
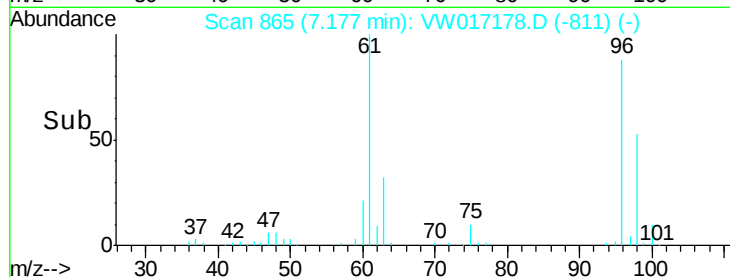
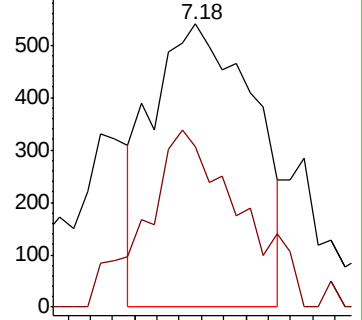
43 100

72 36.7 16.1 48.3



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: 7.708 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

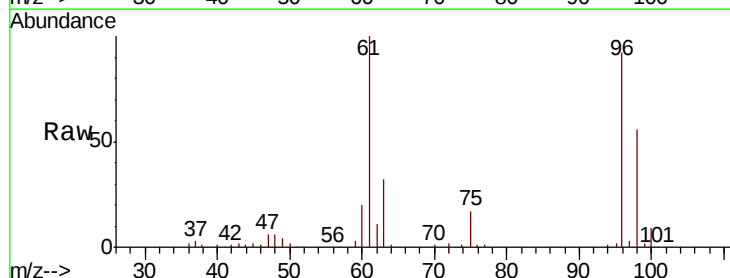
Tgt Ion: 96 Resp: 53021

Ion Ratio Lower Upper

96 100

61 109.0 77.4 143.8

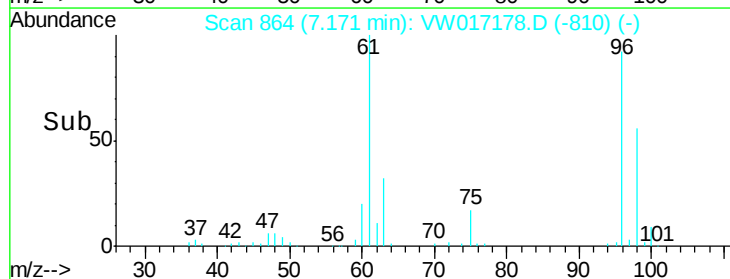
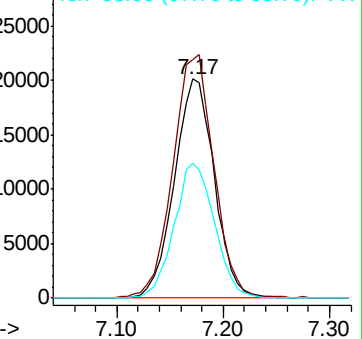
98 61.4 45.1 83.7

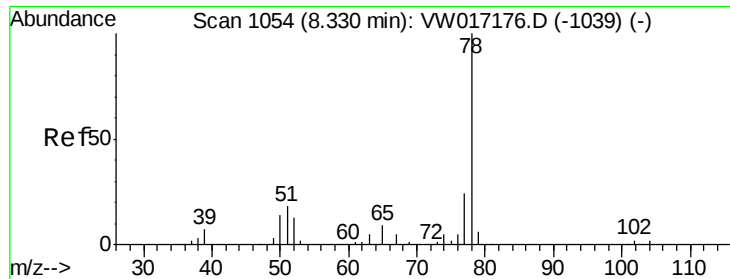


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#34

Benzene

Concen: 29.915 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

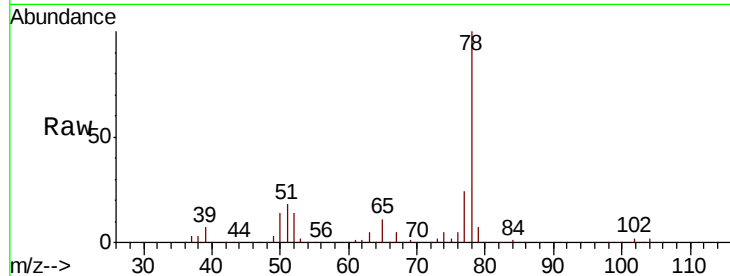
Instrument :

MSVOA_W

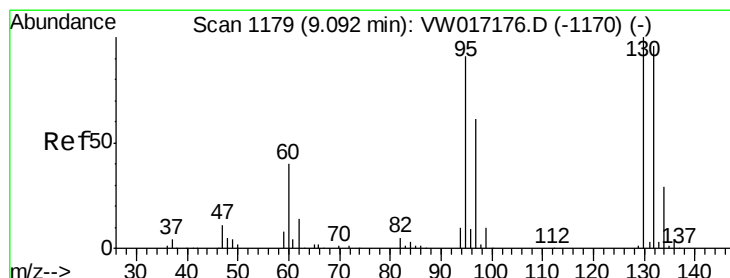
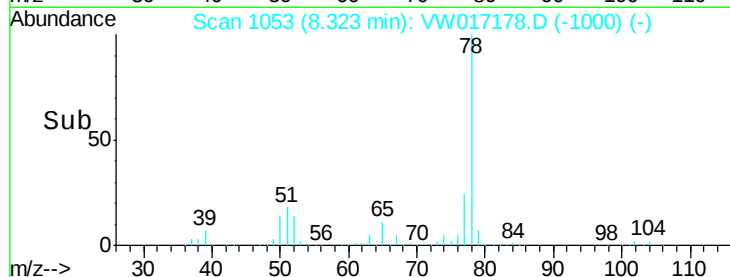
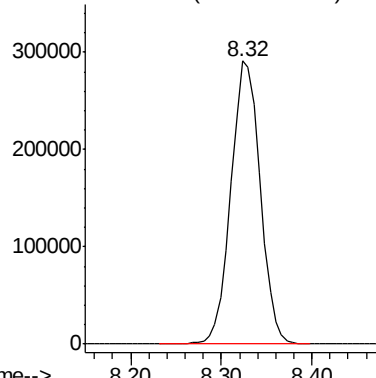
ClientSampleId :

BG4E1

Tgt Ion: 78 Resp: 652538



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 508.509 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Tgt Ion: 95 Resp: 3107169

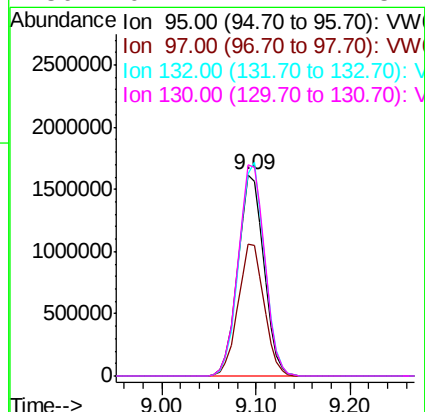
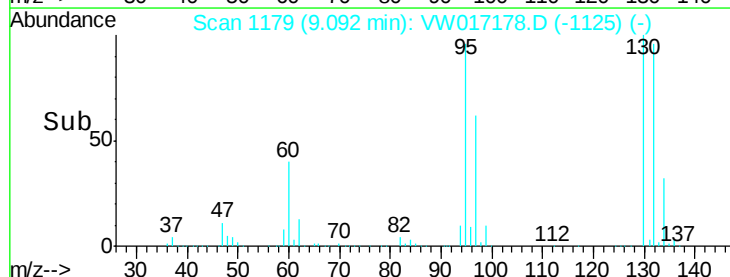
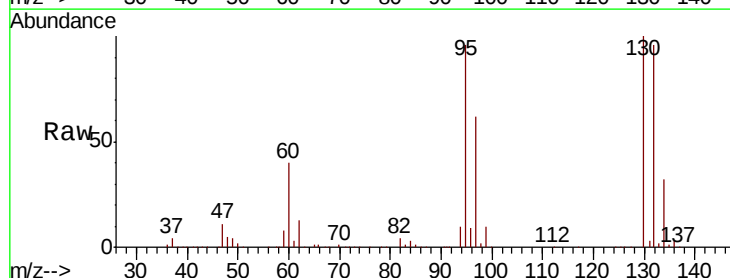
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.0	83.6
132	105.0	73.7	136.9
130	107.1	77.1	143.1

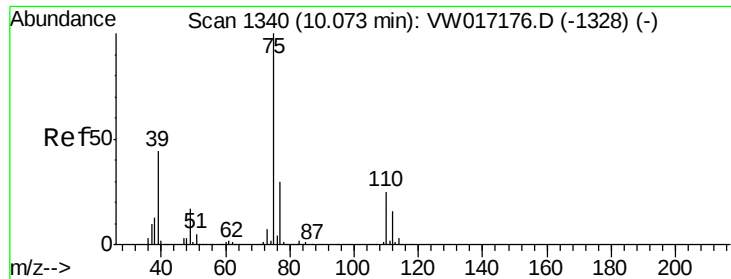
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

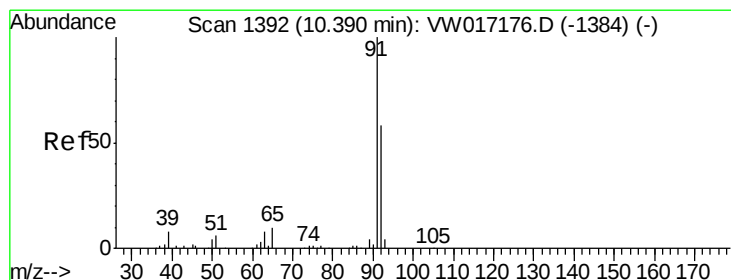
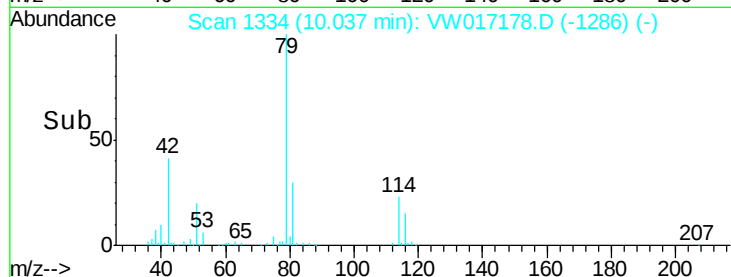
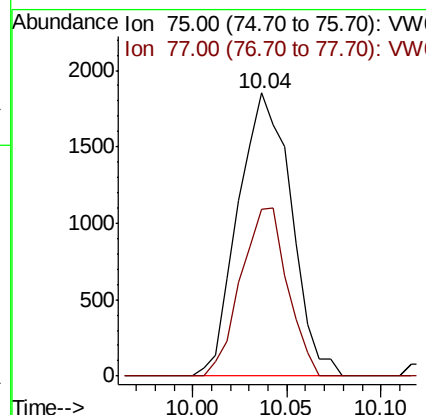
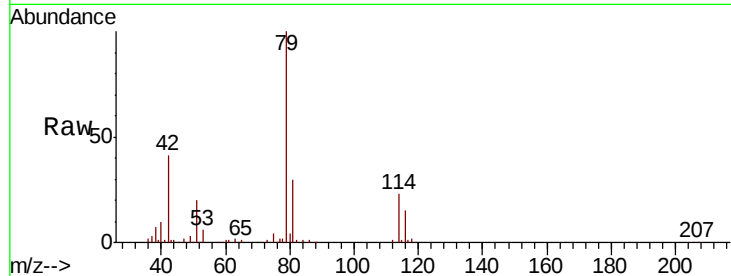




#42
 cis-1,3-Dichloropropene
 Concen: 0.449 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

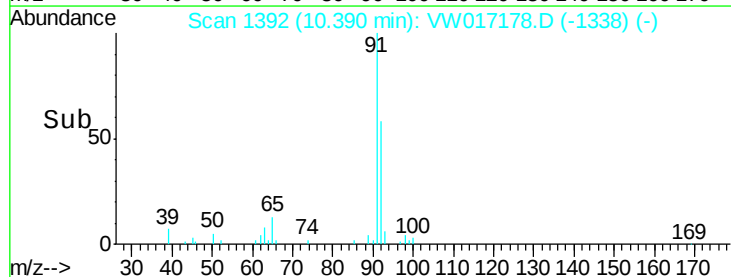
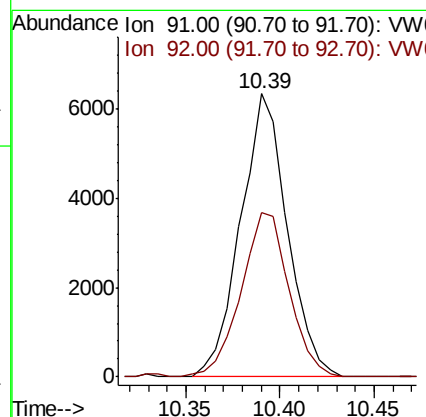
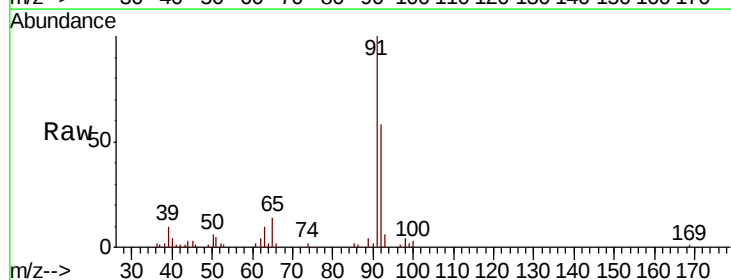
Instrument :
 MSVOA_W
 ClientSampled :
 BG4E1

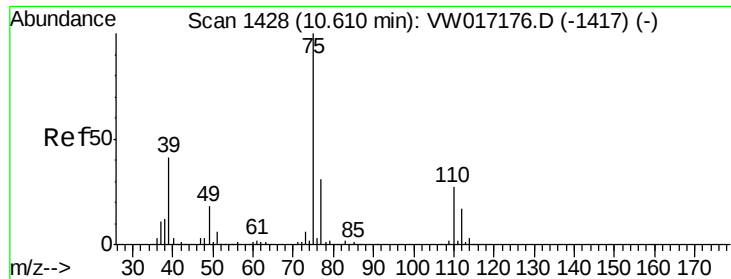
Tot Ion: 75 Resp: 3630
 Ion Ratio Lower Upper
 75 100
 77 59.0 22.0 41.0#



#44
 Toluene
 Concen: 0.453 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

Tgt Ion: 91 Resp: 10876
 Ion Ratio Lower Upper
 91 100
 92 58.1 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.341 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

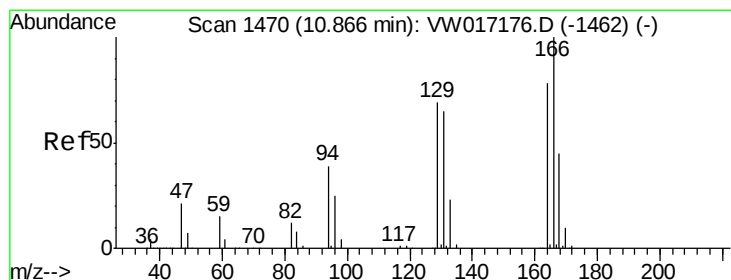
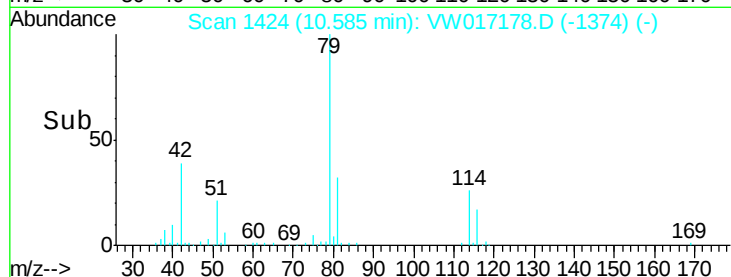
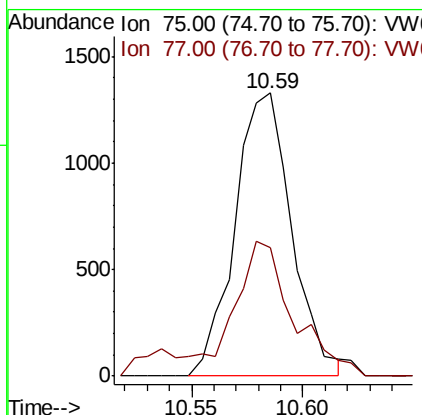
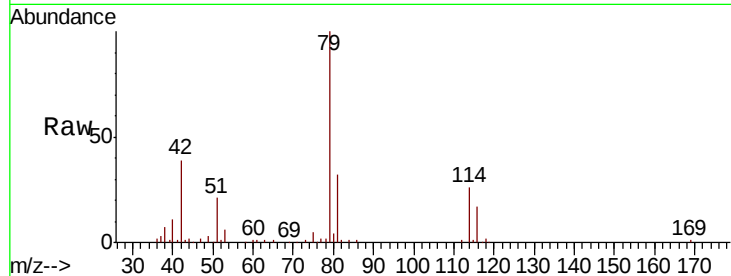
BG4E1

Tot Ion: 75 Resp: 2366

Ion Ratio Lower Upper

75 100

77 45.6 22.1 41.1#



#47

Tetrachloroethene

Concen: 1077.436 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Tgt Ion: 164 Resp: 5939862

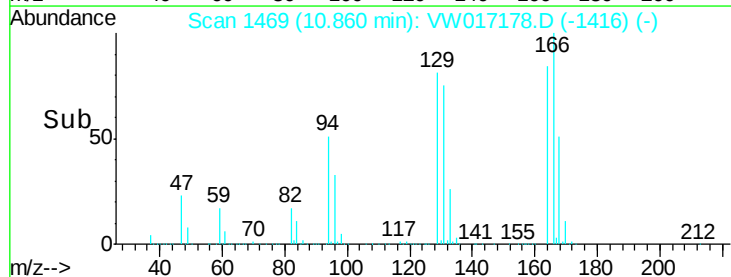
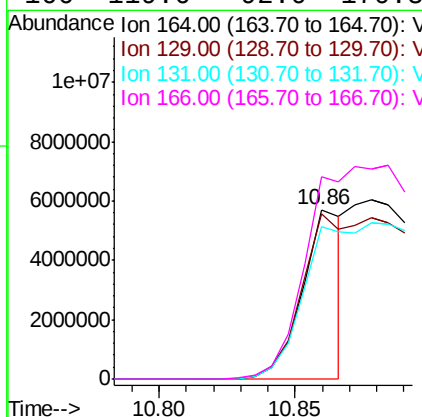
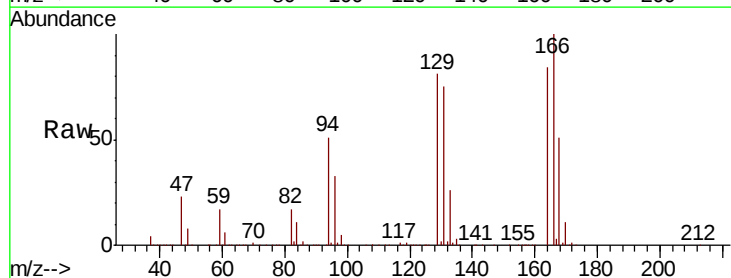
Ion Ratio Lower Upper

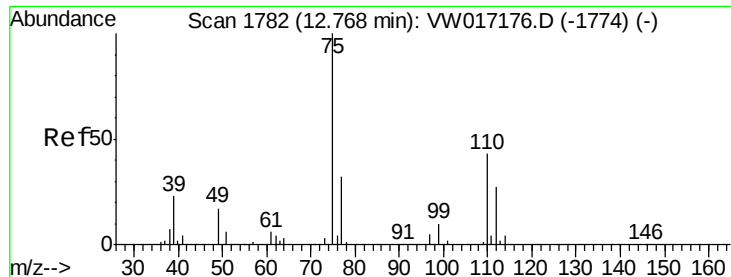
164 100

129 97.2 62.9 116.7

131 89.6 63.3 117.5

166 119.6 92.0 170.8





#59

1,2,3-Trichloropropane

Concen: 4.875 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

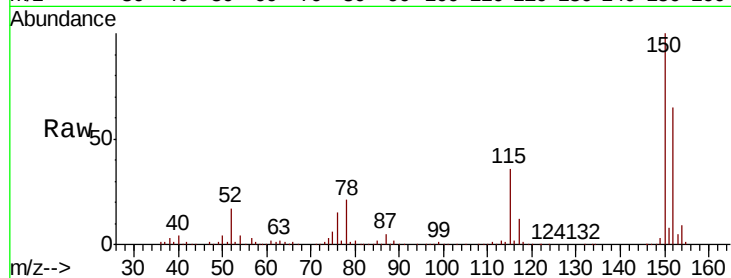
BG4E1

Tot Ion: 75 Resp: 17798

Ion Ratio Lower Upper

75 100

77 39.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

