

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017180.D
 Acq On : 12 Nov 2020 13:23
 Operator : SY/VA
 Sample : L4693-19
 Misc : 6.20G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E5

Quant Time: Nov 13 04:44:28 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	8.85	114	491916	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	419143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	169641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125140	20.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.80%
7) Chloroethane-d5	2.90	69	104514	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
10) 1,1-Dichloroethene-d2	4.02	63	183825	16.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.36%
20) 2-Butanone-d5	7.09	46	32800	23.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	47.34%
24) Chloroform-d	7.65	84	238475	20.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.08%
26) 1,2-Dichloroethane-d4	8.31	65	107396	18.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.24%
29) Benzene-d6	8.27	84	478927	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.28	67	126181	21.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.48%
37) Toluene-d8	10.33	98	454736	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.36%
38) trans-1,3-Dichloropropene-	10.58	79	45242	17.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.00%
39) 2-Hexanone-d5	10.93	63	26665	25.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77590	15.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	60.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	124901	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%

Target Compounds

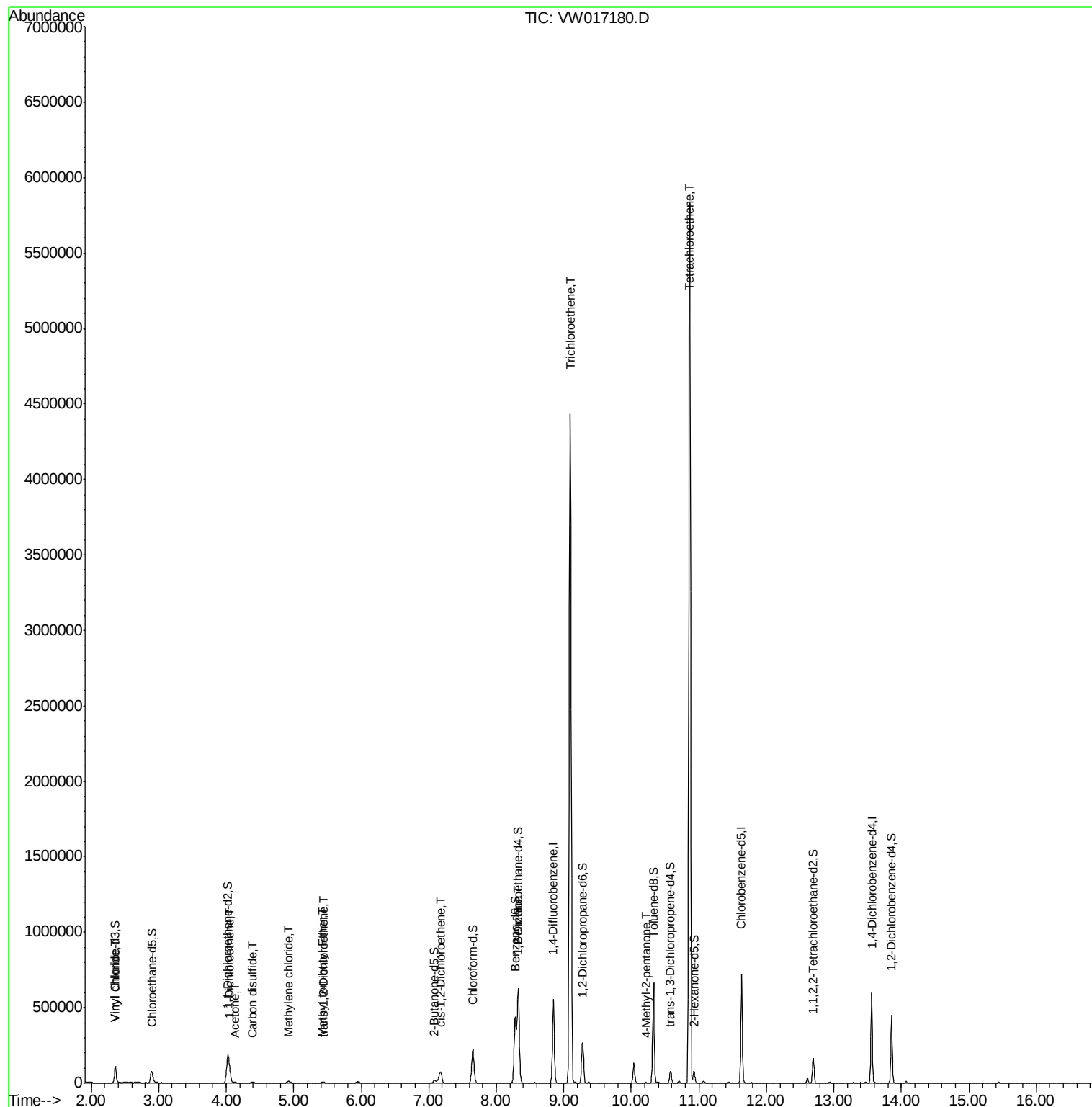
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	5658	0.861	ug/L #	42
12) 1,1-Dichloroethene	4.05	96	29469	4.827	ug/L #	34
13) Acetone	4.13	43	6736	7.261	ug/L	98
14) Carbon disulfide	4.39	76	13608	0.819	ug/L	99
16) Methylene chloride	4.92	84	10015	1.510	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	8539	1.145	ug/L #	87
18) trans-1,2-Dichloroethene	5.44	96	2053	0.325	ug/L	76
22) cis-1,2-Dichloroethene	7.18	96	45401	6.794	ug/L	98
34) Benzene	8.33	78	596210	27.089	ug/L	100
35) Trichloroethene	9.10	95	1490787	241.804	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	2616	0.824	ug/L	94
47) Tetrachloroethene	10.87	164	1335525	240.094	ug/L	99

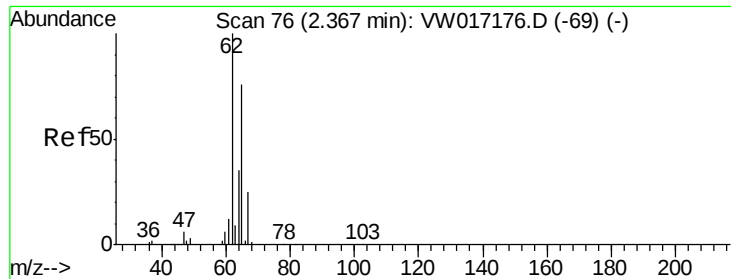
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.861 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

Instrument :

MSVOA_W

ClientSampled :

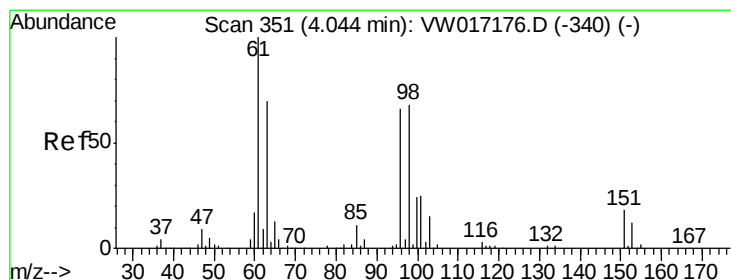
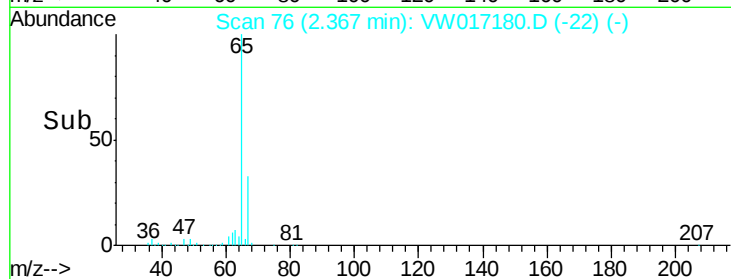
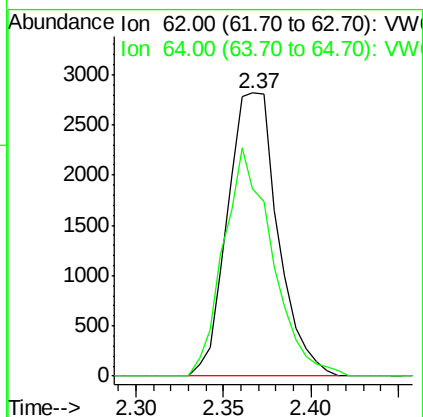
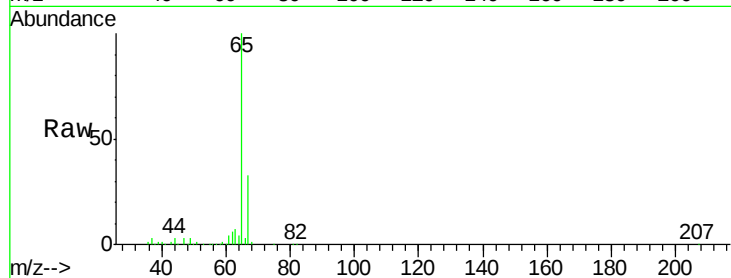
BG4E5

Tot Ion: 62 Resp: 5658

Ion Ratio Lower Upper

62 100

64 66.3 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 4.827 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

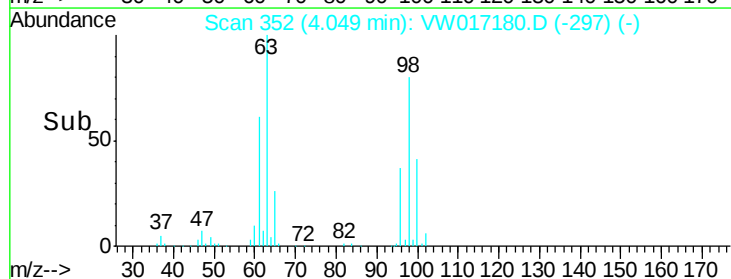
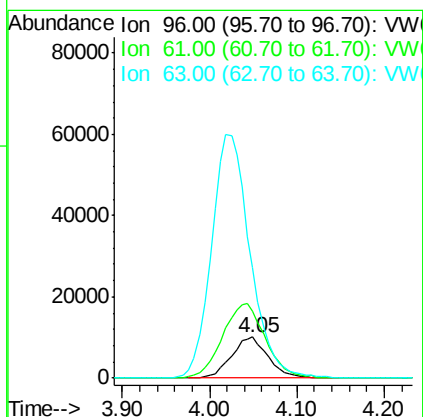
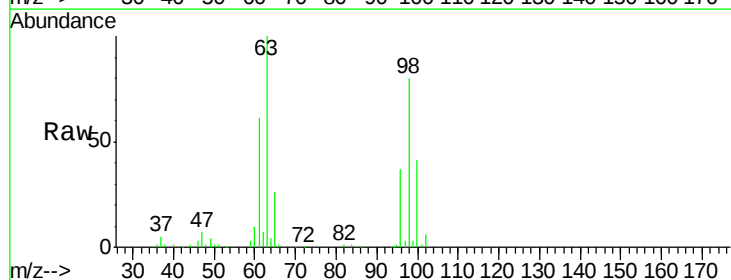
Tgt Ion: 96 Resp: 29469

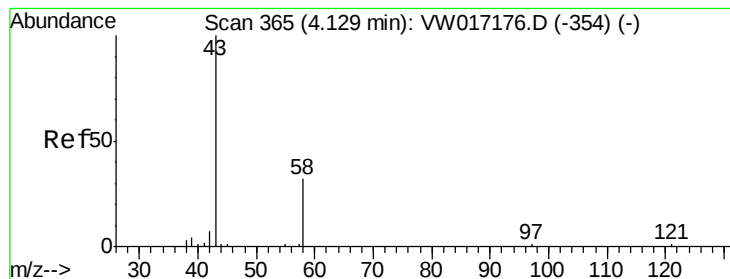
Ion Ratio Lower Upper

96 100

61 163.9 103.8 192.8

63 266.7 84.4 156.7#





#13

Acetone

Concen: 7.261 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

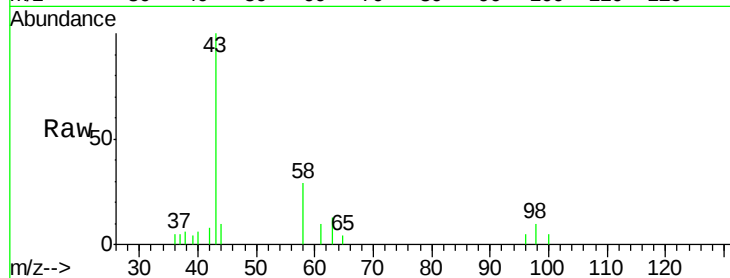
BG4E5

Tot Ion: 43 Resp: 6736

Ion Ratio Lower Upper

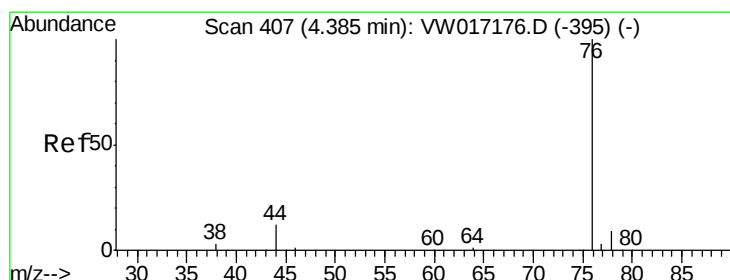
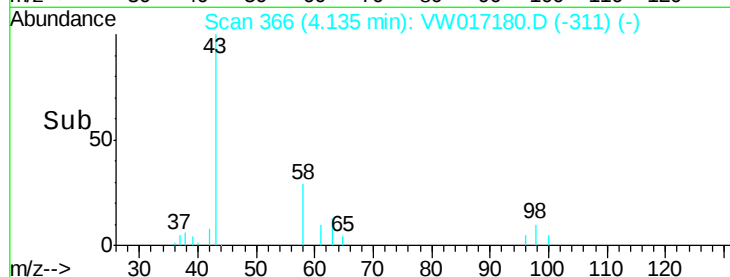
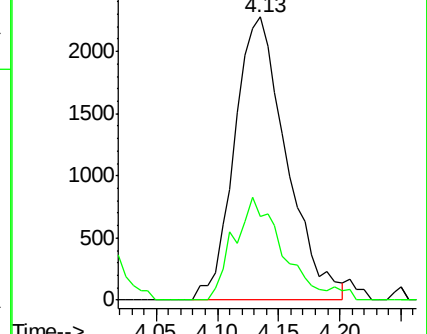
43 100

58 33.5 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.819 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017180.D

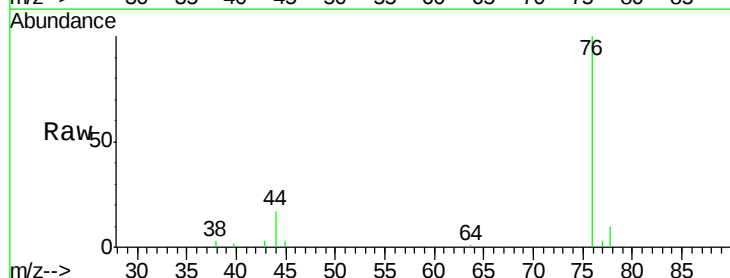
Acq: 12 Nov 2020 13:23

Tgt Ion: 76 Resp: 13608

Ion Ratio Lower Upper

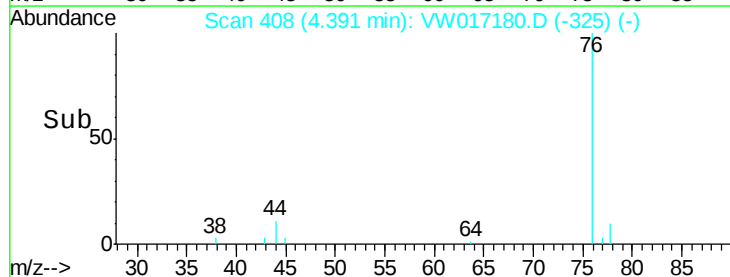
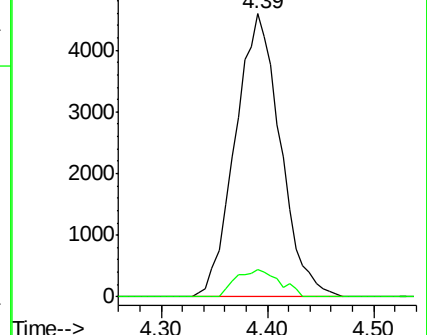
76 100

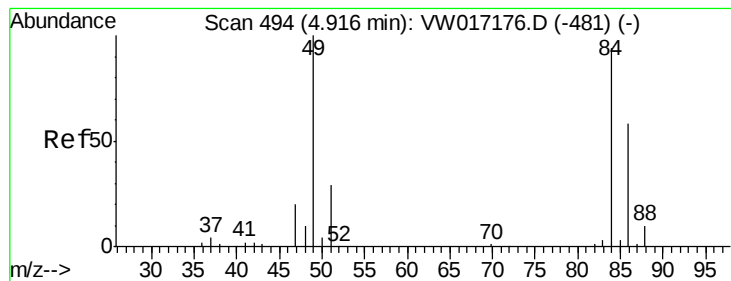
78 9.7 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.510 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

Instrument :

MSVOA_W

ClientSampleId :

BG4E5

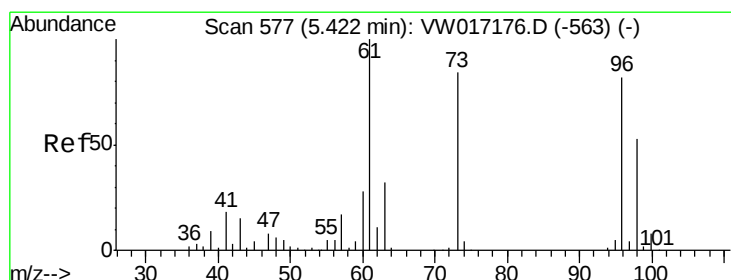
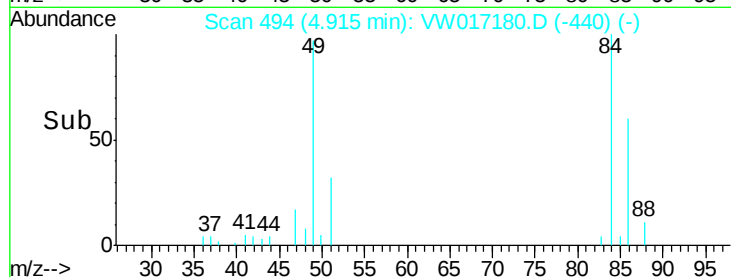
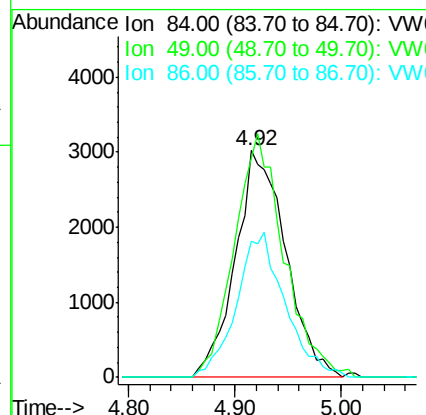
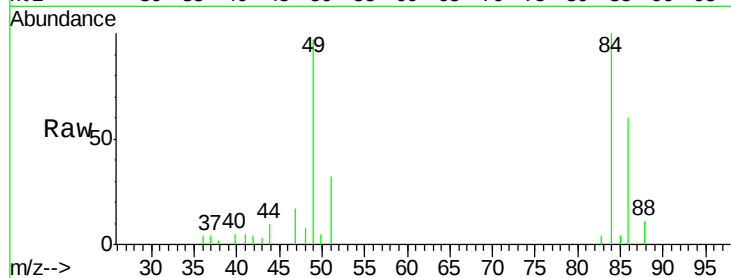
Tot Ion: 84 Resp: 10015

Ion Ratio Lower Upper

84 100

49 96.6 72.3 134.3

86 60.1 45.1 83.7



#17

Methyl tert-butyl Ether

Concen: 1.145 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

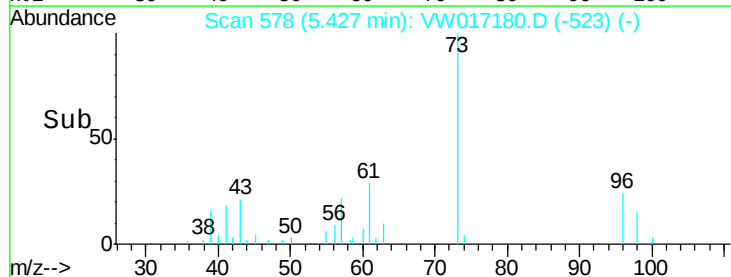
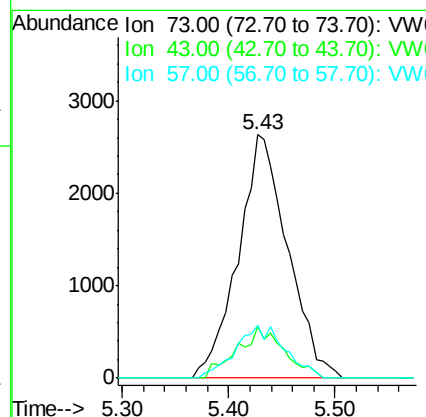
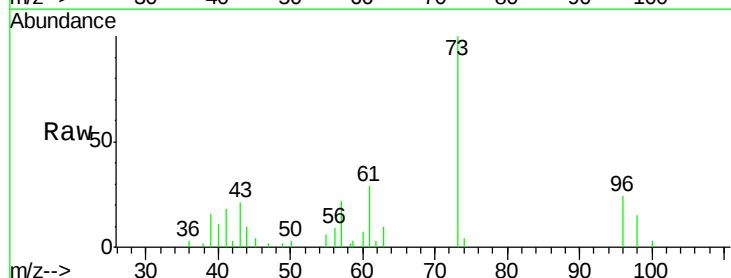
Tgt Ion: 73 Resp: 8539

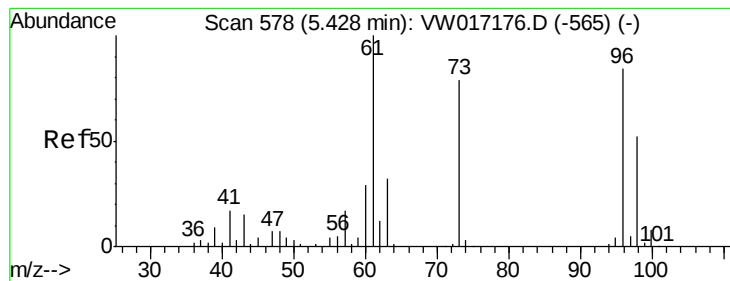
Ion Ratio Lower Upper

73 100

43 13.8 14.5 21.7#

57 12.9 16.3 24.5#





#18

trans-1,2-Dichloroethene

Concen: 0.325 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

Instrument :

MSVOA_W

ClientSampled :

BG4E5

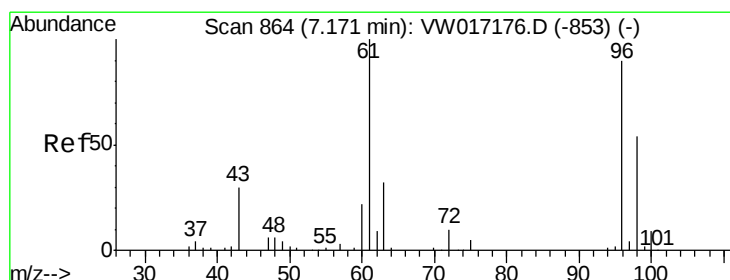
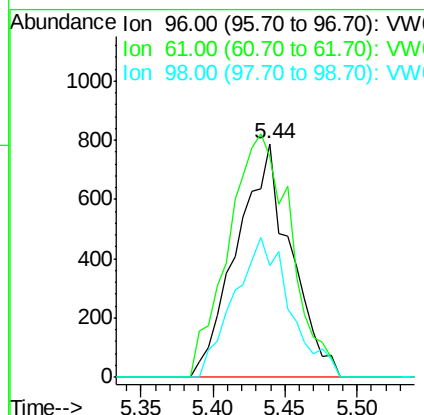
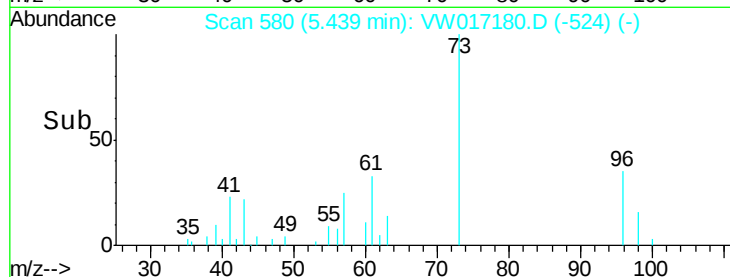
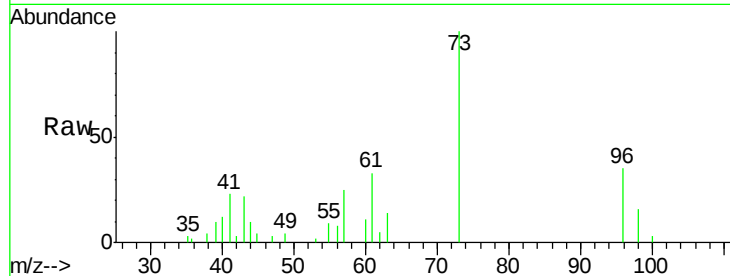
Tot Ion: 96 Resp: 2053

Ion Ratio Lower Upper

96 100

61 94.3 86.8 161.2

98 47.6 44.4 82.4



#22

cis-1,2-Dichloroethene

Concen: 6.794 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

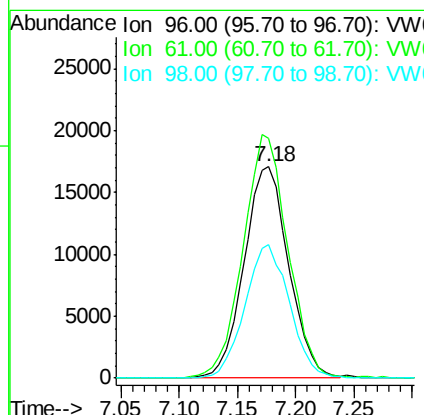
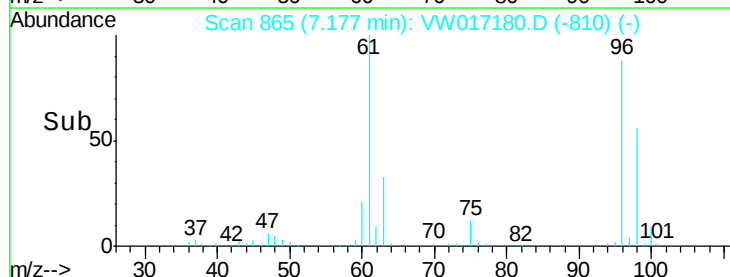
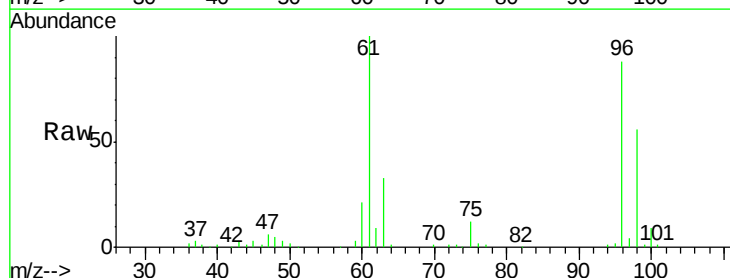
Tgt Ion: 96 Resp: 45401

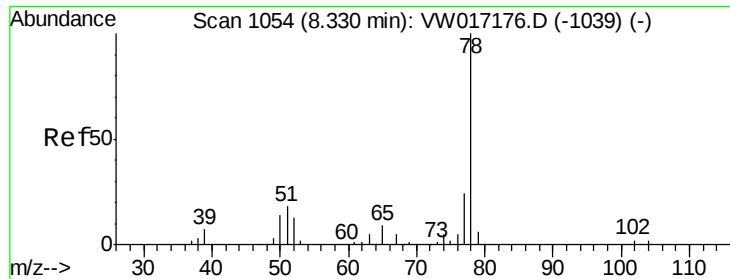
Ion Ratio Lower Upper

96 100

61 113.9 77.4 143.8

98 63.3 45.1 83.7





#34

Benzene

Concen: 27.089 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

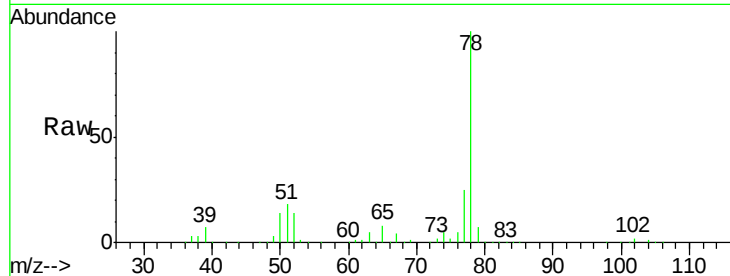
Instrument :

MSVOA_W

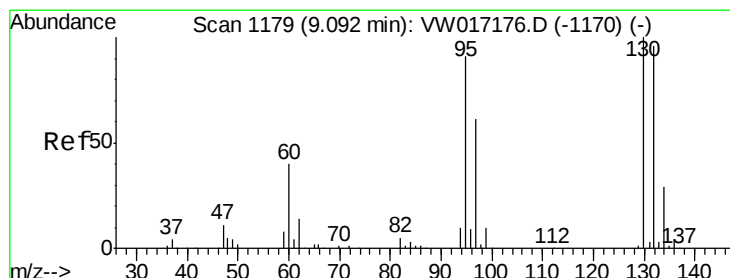
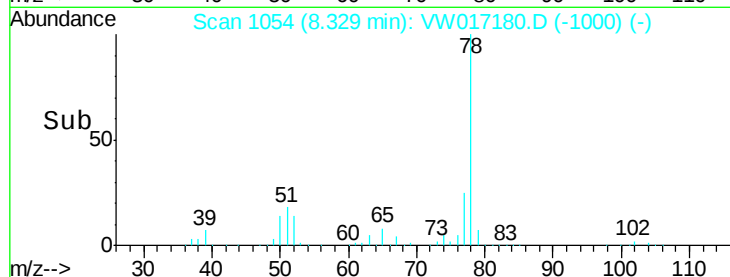
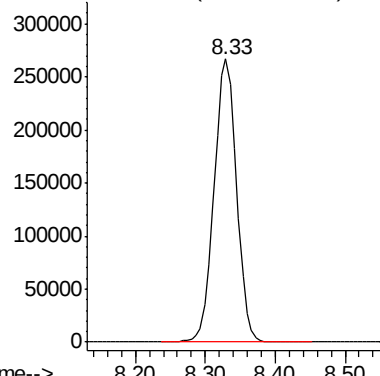
ClientSampled :

BG4E5

Tgt Ion: 78 Resp: 596210



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 241.804 ug/L

RT: 9.10 min Scan# 1180

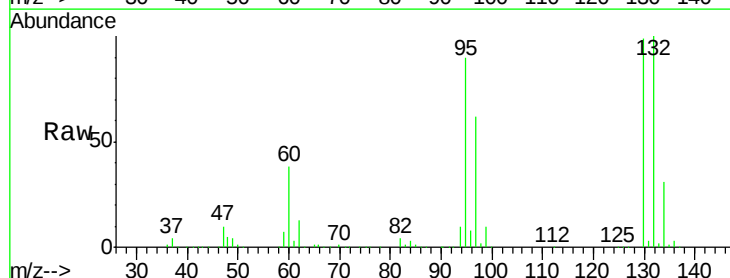
Delta R.T. 0.01 min

Lab File: VW017180.D

Acq: 12 Nov 2020 13:23

Tgt Ion: 95 Resp: 1490787

Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.0	83.6
132	106.3	73.7	136.9
130	110.4	77.1	143.1

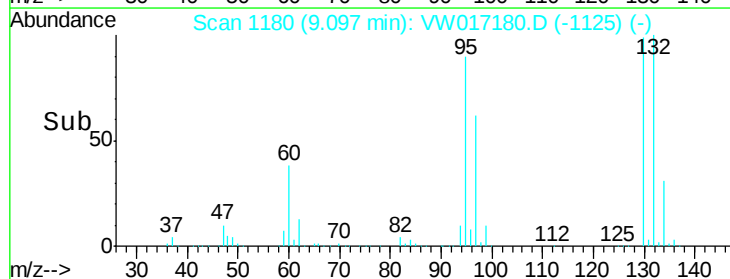
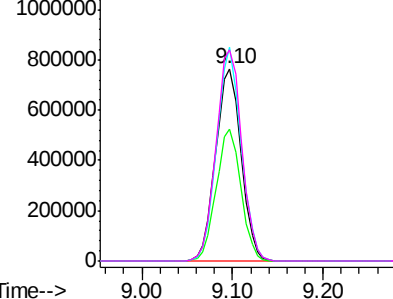


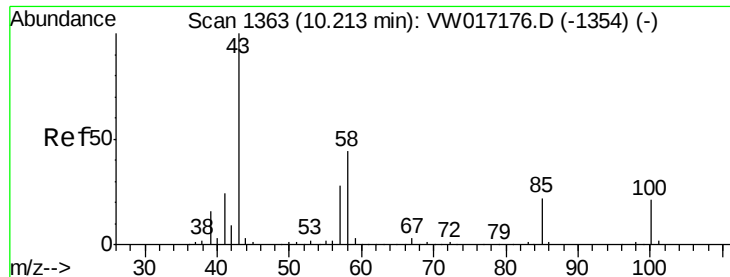
Abundance Ion 95.00 (94.70 to 95.70): VW

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

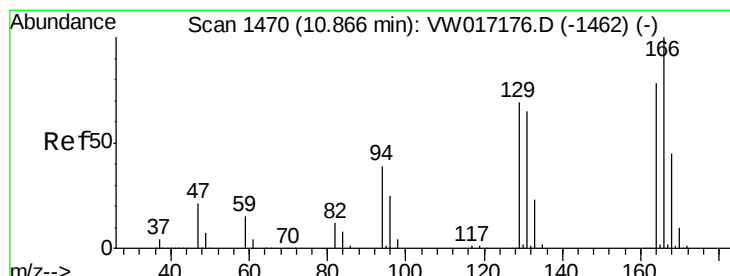
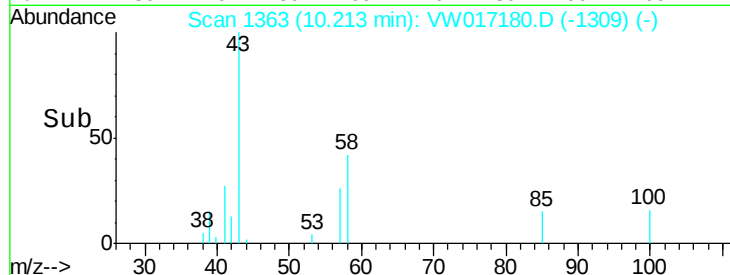
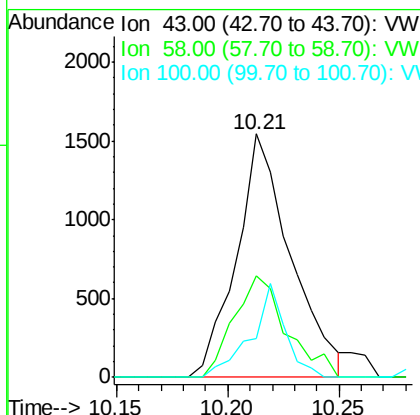
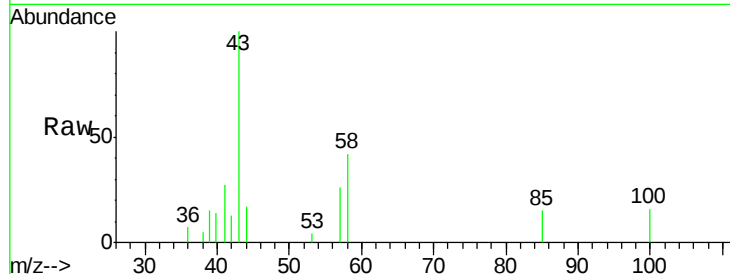




#43
4-Methyl-2-pentanone
Concen: 0.824 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017180.D
Acq: 12 Nov 2020 13:23

Instrument :
MSVOA_W
ClientSampleId :
BG4E5

Tot Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
58 40.6 35.0 52.6
100 24.3 16.6 24.8



#47
Tetrachloroethene
Concen: 240.094 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017180.D
Acq: 12 Nov 2020 13:23

Tgt Ion: 164 Resp: 1335525
Ion Ratio Lower Upper
164 100
129 89.7 62.9 116.7
131 89.4 63.3 117.5
166 130.6 92.0 170.8

