

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017194.D
 Acq On : 12 Nov 2020 18:53
 Operator : SY/VA
 Sample : L4712-01
 Misc : 5.84G/10ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E9

Quant Time: Nov 13 04:21:35 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	475352	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	428578	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	211436	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112729	18.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.32%
7) Chloroethane-d5	2.89	69	95082	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.44%
10) 1,1-Dichloroethene-d2	4.02	63	173915	16.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.96%
20) 2-Butanone-d5	7.08	46	47339	35.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.72%
24) Chloroform-d	7.65	84	244483	22.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.12%
26) 1,2-Dichloroethane-d4	8.31	65	125667	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.12%
29) Benzene-d6	8.27	84	485179	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	130724	21.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.60%
37) Toluene-d8	10.32	98	484942	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.24%
38) trans-1,3-Dichloropropene-	10.58	79	55209	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.16%
39) 2-Hexanone-d5	10.93	63	40461	38.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102499	19.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	177492	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

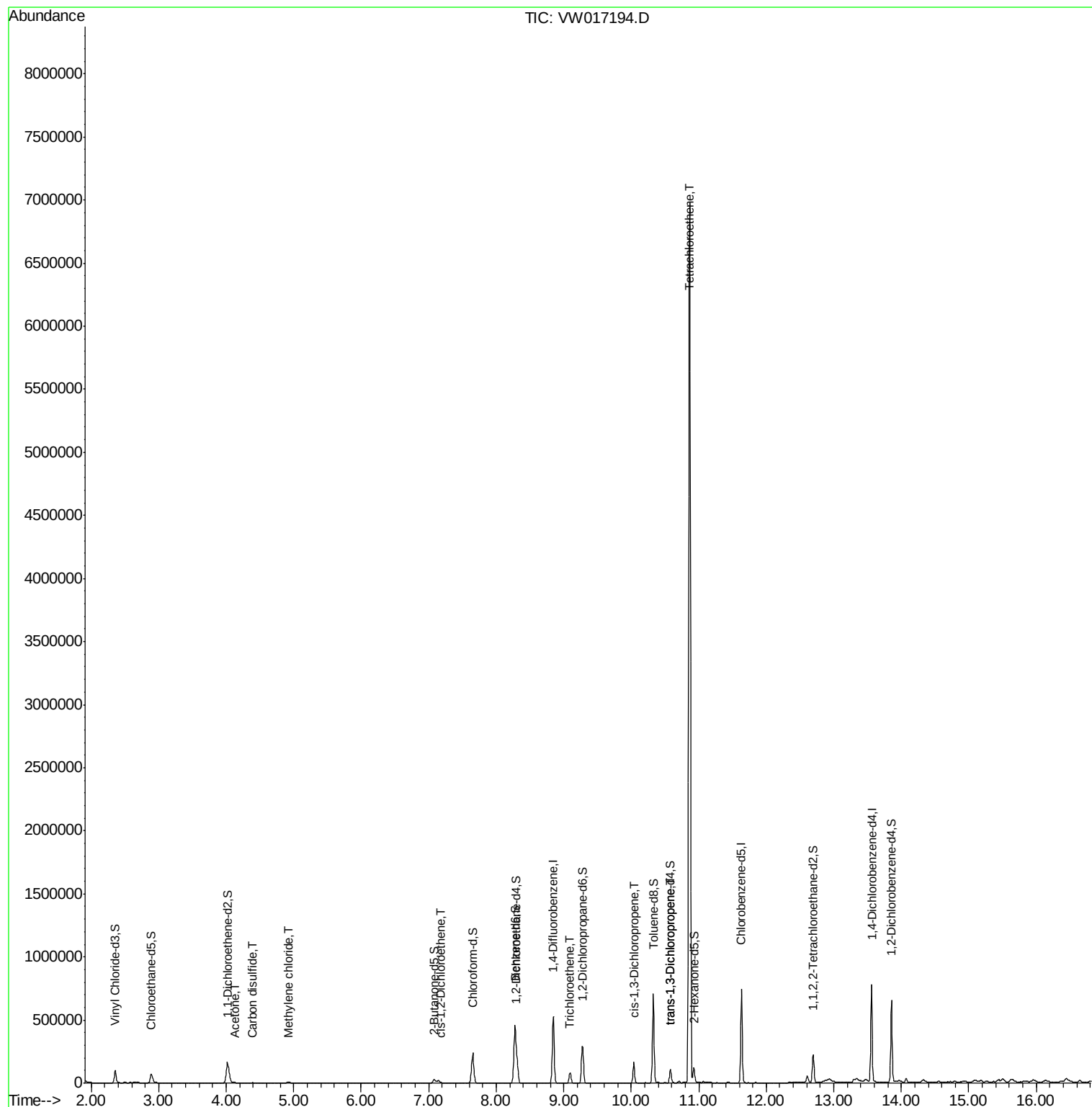
					Ovalue
13) Acetone	4.14	43	6644	7.411	ug/L 73
14) Carbon disulfide	4.39	76	7007	0.436	ug/L 99
16) Methylene chloride	4.92	84	6978	1.089	ug/L 81
22) cis-1,2-Dichloroethene	7.18	96	1264	0.196	ug/L 87
35) Trichloroethene	9.10	95	27172	4.310	ug/L 99
42) cis-1,3-Dichloropropene	10.04	75	4904	0.589	ug/L # 79
45) trans-1,3-Dichloropropene	10.58	75	3000	0.419	ug/L 91
47) Tetrachloroethene	10.87	164	1583330	278.377	ug/L 97

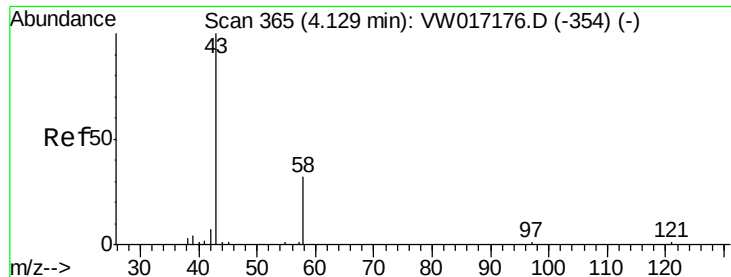
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.411 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017194.D

Acq: 12 Nov 2020 18:53

Instrument :

MSVOA_W

ClientSampleId :

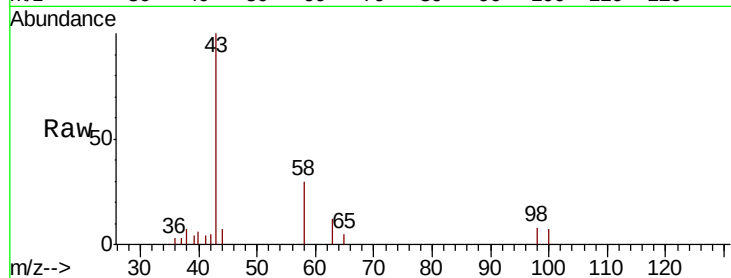
BG4E9

Tot Ion: 43 Resp: 6644

Ion Ratio Lower Upper

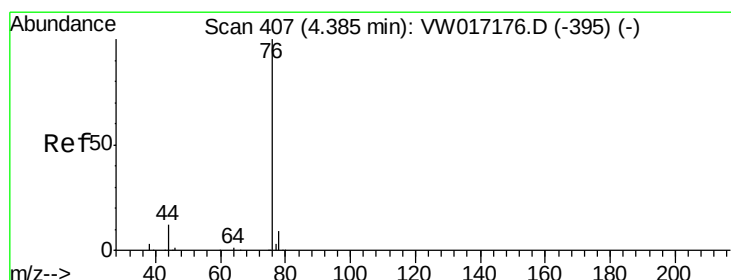
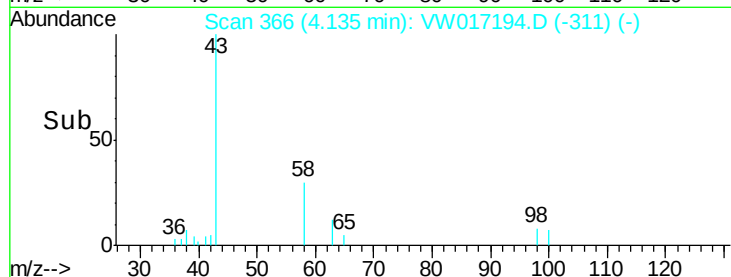
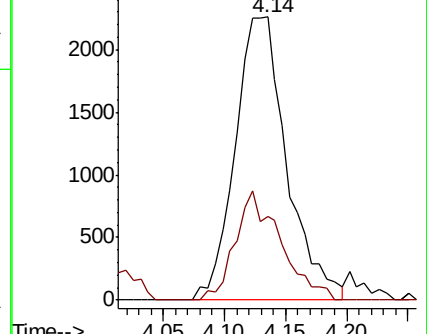
43 100

58 18.8 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: 0.436 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017194.D

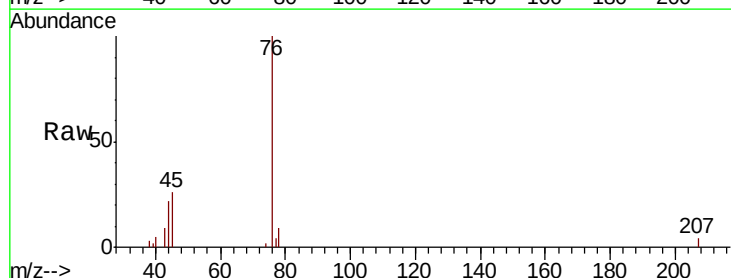
Acq: 12 Nov 2020 18:53

Tgt Ion: 76 Resp: 7007

Ion Ratio Lower Upper

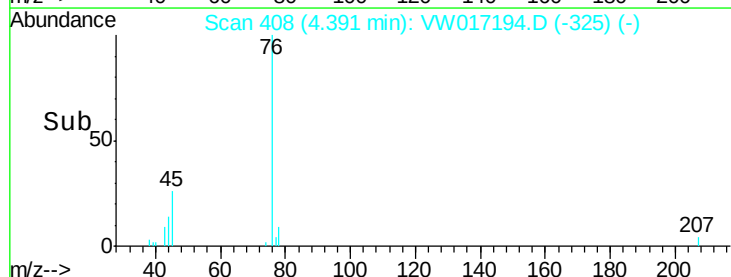
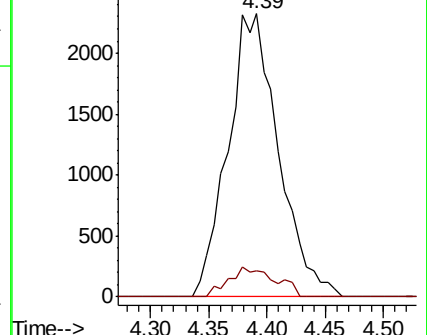
76 100

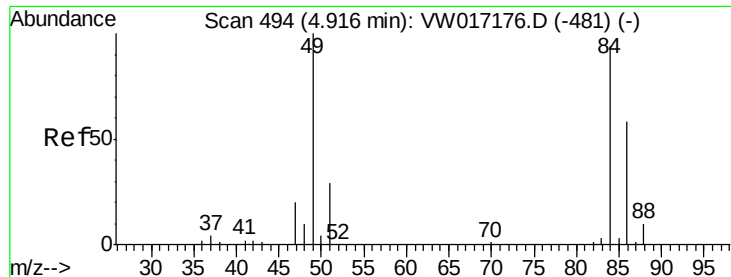
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

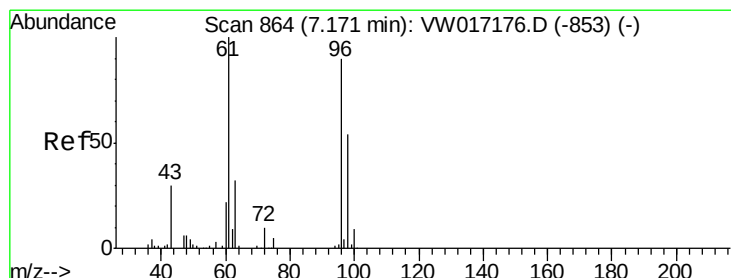
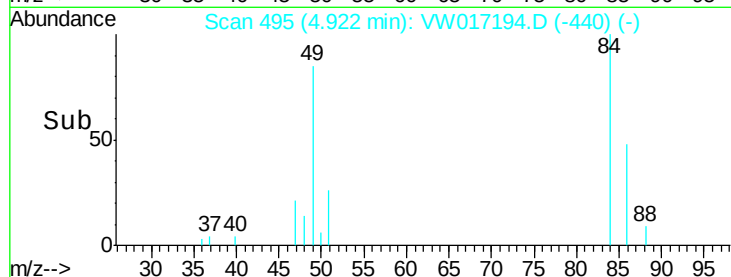
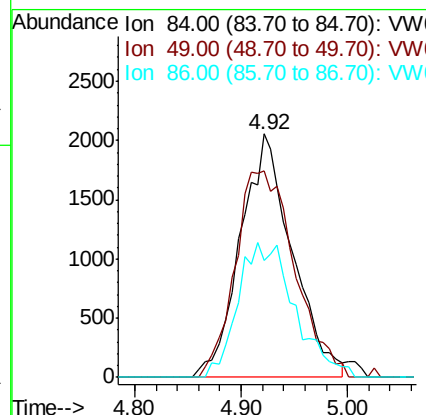
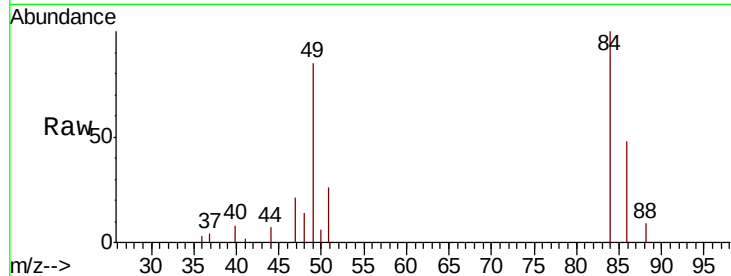




#16
Methylene chloride
Concen: 1.089 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017194.D
Acq: 12 Nov 2020 18:53

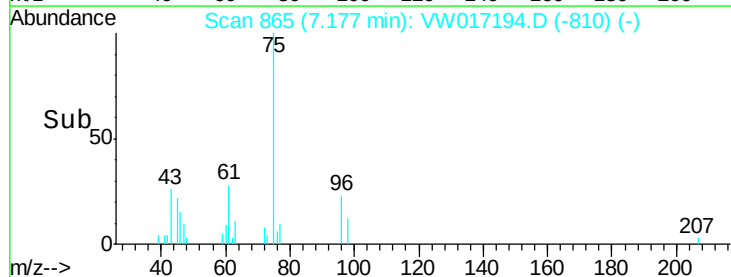
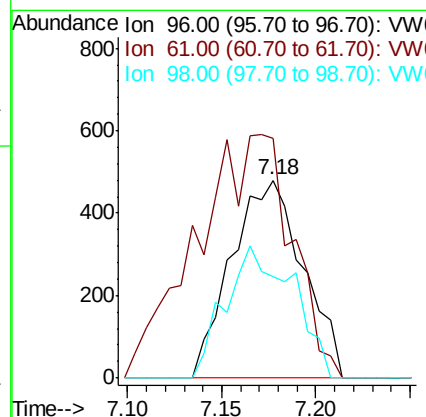
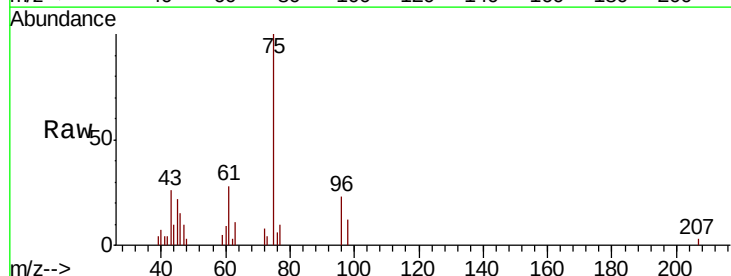
Instrument :
MSVOA_W
ClientSampled :
BG4E9

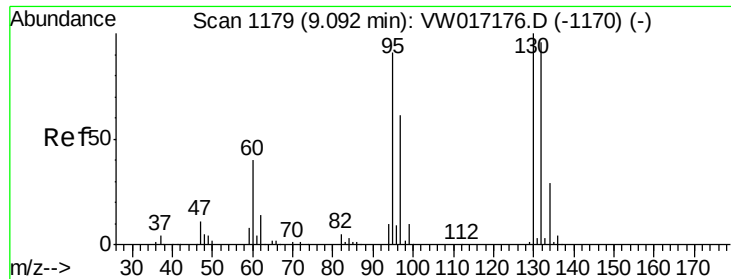
Tot Ion: 84 Resp: 6978
Ion Ratio Lower Upper
84 100
49 84.9 72.3 134.3
86 48.1 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 0.196 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017194.D
Acq: 12 Nov 2020 18:53

Tgt Ion: 96 Resp: 1264
Ion Ratio Lower Upper
96 100
61 121.2 77.4 143.8
98 51.0 45.1 83.7





#35

Trichloroethene

Concen: 4.310 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017194.D

Acq: 12 Nov 2020 18:53

Instrument :

MSVOA_W

ClientSampled :

BG4E9

Tot Ion: 95 Resp: 27172

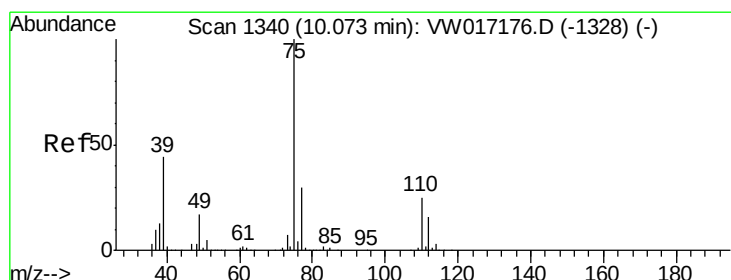
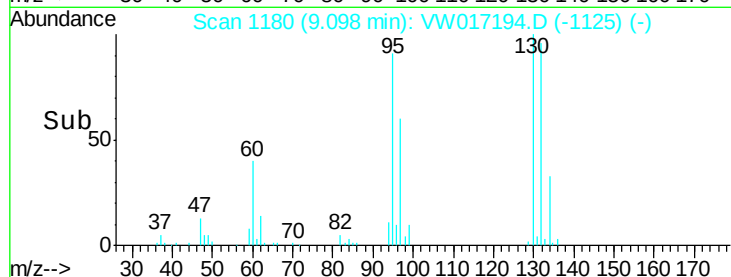
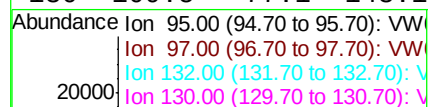
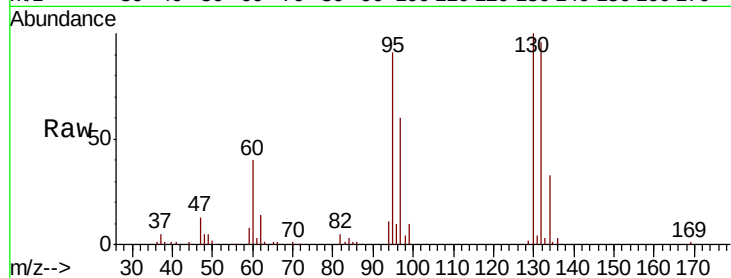
Ion Ratio Lower Upper

95 100

97 66.3 45.0 83.6

132 106.7 73.7 136.9

130 109.5 77.1 143.1



#42

cis-1,3-Dichloropropene

Concen: 0.589 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017194.D

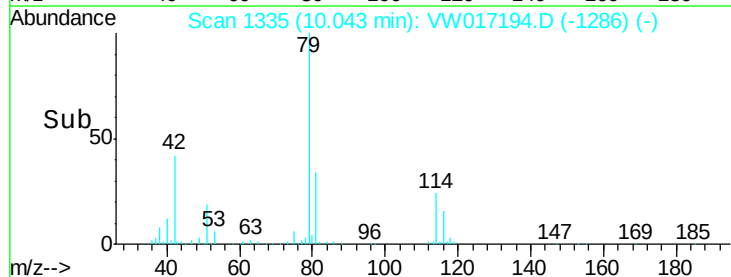
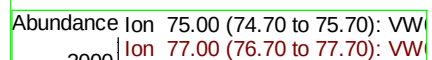
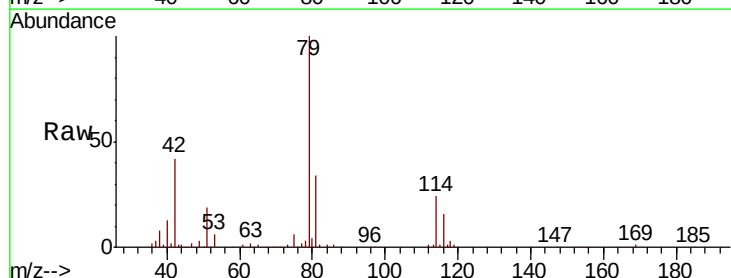
Acq: 12 Nov 2020 18:53

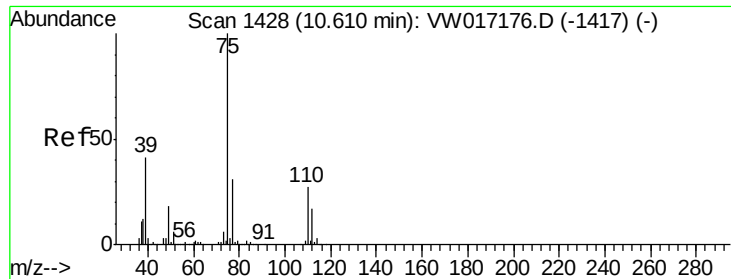
Tgt Ion: 75 Resp: 4904

Ion Ratio Lower Upper

75 100

77 43.1 22.0 41.0#





#45

trans-1,3-Dichloropropene

Concen: 0.419 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017194.D

Acq: 12 Nov 2020 18:53

Instrument :

MSVOA_W

ClientSampleId :

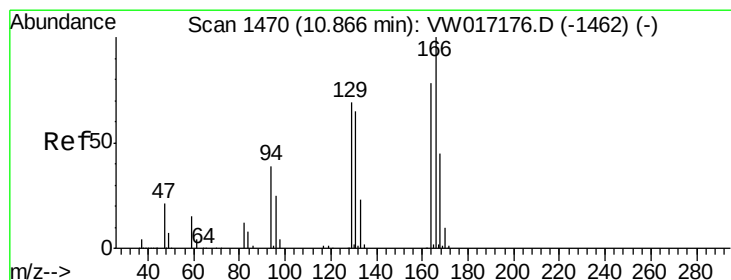
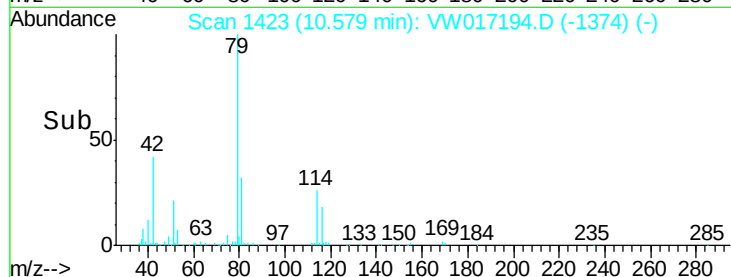
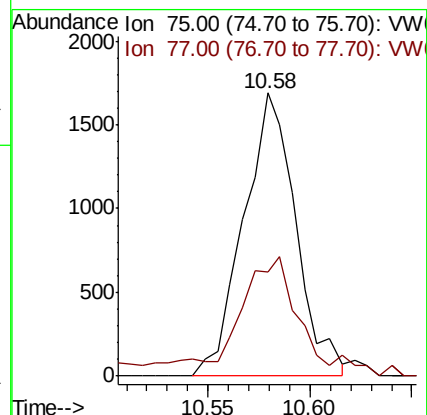
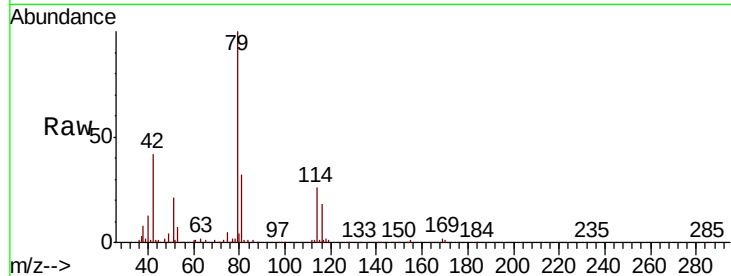
BG4E9

Tot Ion: 75 Resp: 3000

Ion Ratio Lower Upper

75 100

77 36.7 22.1 41.1



#47

Tetrachloroethene

Concen: 278.377 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017194.D

Acq: 12 Nov 2020 18:53

Tgt Ion:164 Resp: 1583330

Ion Ratio Lower Upper

164 100

129 93.1 62.9 116.7

131 87.4 63.3 117.5

166 135.7 92.0 170.8

