

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017537.D
 Acq On : 03 Dec 2020 16:46
 Operator : SY/VA
 Sample : L4920-12
 Misc : 5.50G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F8

Quant Time: Dec 20 01:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	489324	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	419030	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	199899	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	104660	16.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.04%
7) Chloroethane-d5	2.89	69	90579	16.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.72%
10) 1,1-Dichloroethene-d2	4.03	63	184951	12.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.64%
20) 2-Butanone-d5	7.08	46	58580	43.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.30%
24) Chloroform-d	7.65	84	273901	19.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	8.31	65	140576	20.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.44%
29) Benzene-d6	8.28	84	518424	20.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.48%
33) 1,2-Dichloropropane-d6	9.27	67	153526	21.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.12%
37) Toluene-d8	10.32	98	475367	20.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.04%
38) trans-1,3-Dichloropropene-	10.58	79	62317	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.24%
39) 2-Hexanone-d5	10.93	63	39317	44.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110292	21.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	156626	21.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.64%

Target Compounds

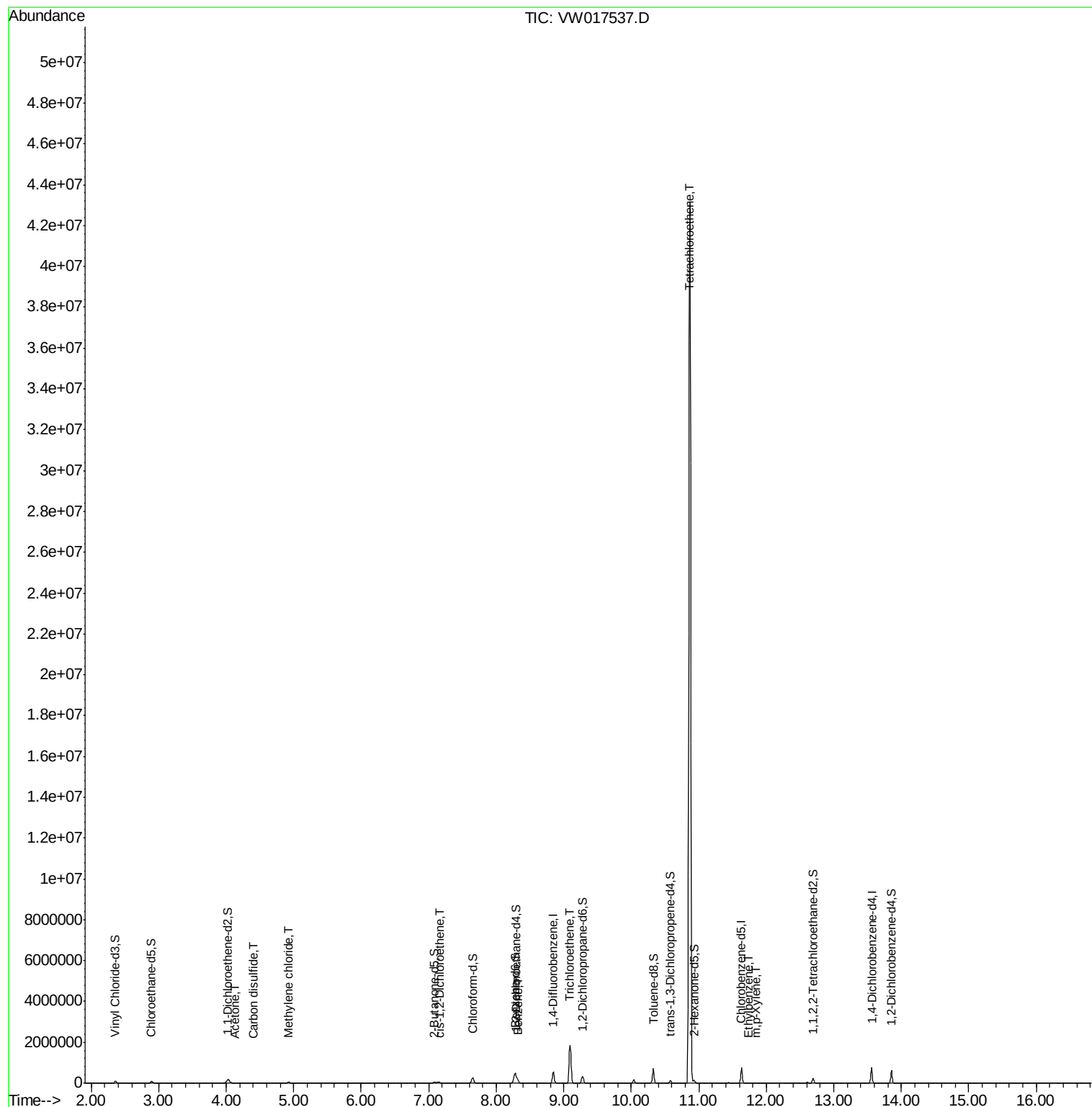
					Ovalue
13) Acetone	4.12	43	4984	3.816 ug/L	62
14) Carbon disulfide	4.40	76	7170	0.369 ug/L #	91
16) Methylene chloride	4.93	84	28100	3.825 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	3741	0.514 ug/L	84
34) Benzene	8.32	78	20721	0.823 ug/L	100
35) Trichloroethene	9.09	95	653040	93.531 ug/L	97
47) Tetrachloroethene	10.87	164	9979758	1677.571 ug/L	91
53) Ethylbenzene	11.73	91	11077	0.360 ug/L	97
54) m,p-Xylene	11.84	106	4341	0.370 ug/L	98

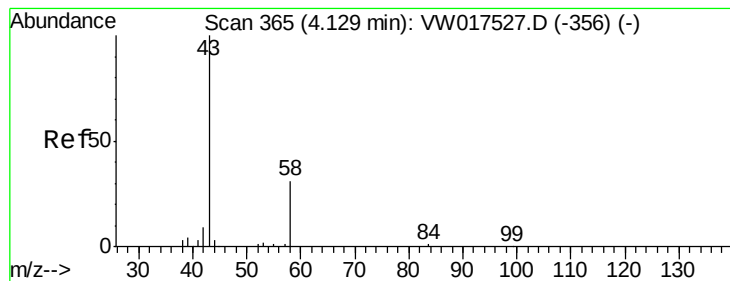
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 20 00:31:51 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.816 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017537.D

Acq: 03 Dec 2020 16:46

Instrument :

MSVOA_W

ClientSampleId :

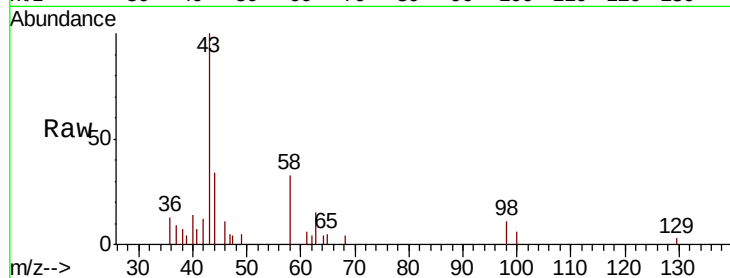
BG4F8

Tot Ion: 43 Resp: 4984

Ion Ratio Lower Upper

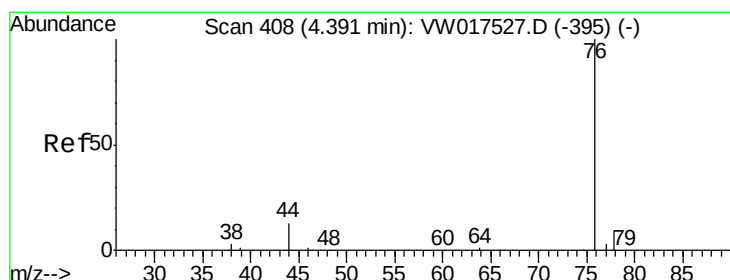
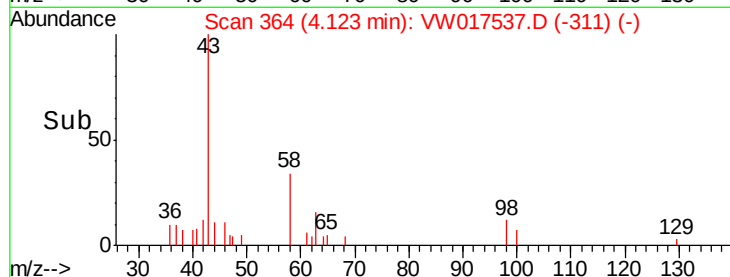
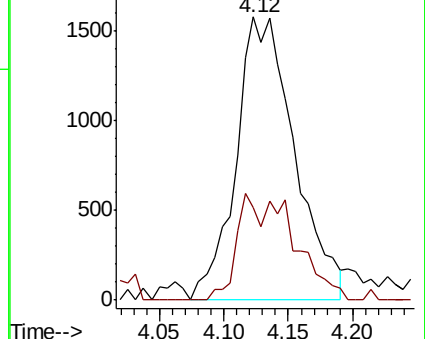
43 100

58 12.5 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: 0.369 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017537.D

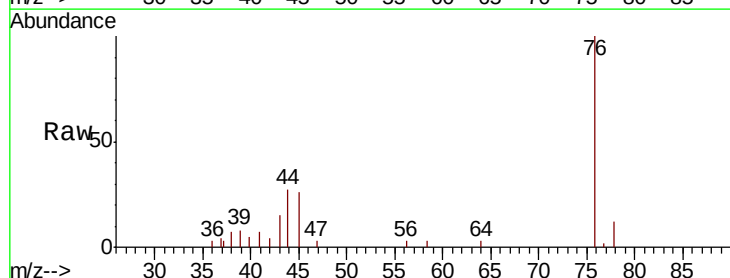
Acq: 03 Dec 2020 16:46

Tgt Ion: 76 Resp: 7170

Ion Ratio Lower Upper

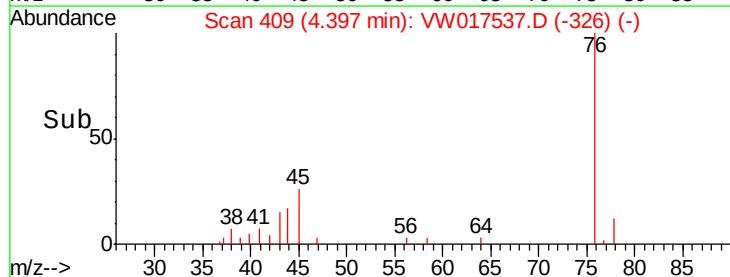
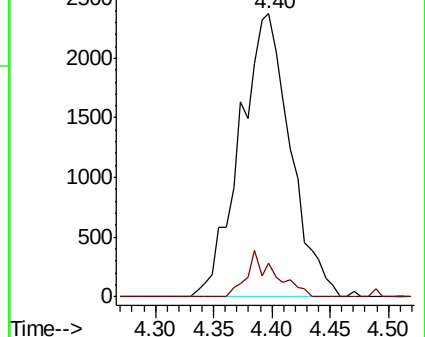
76 100

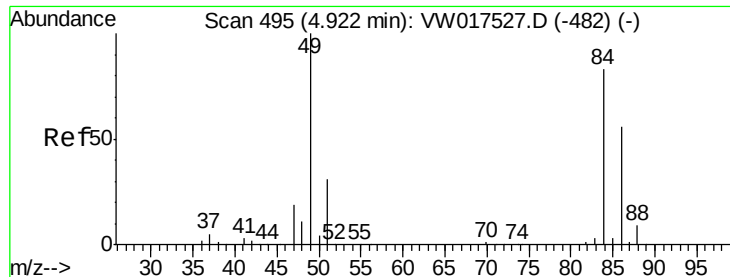
78 11.8 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

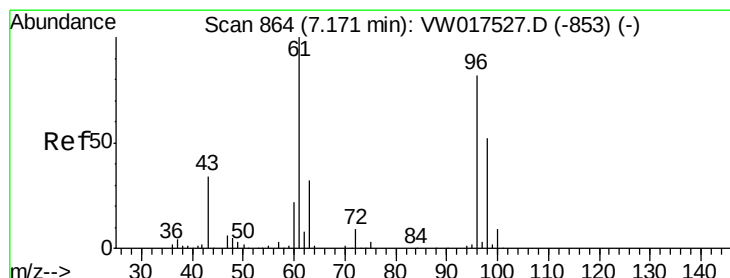
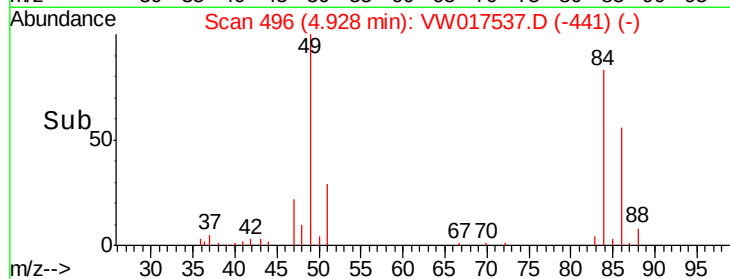
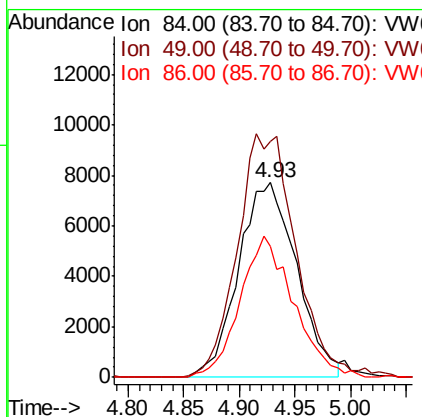
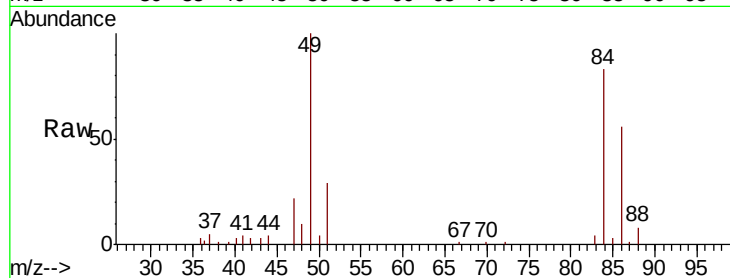




#16
Methylene chloride
Concen: 3.825 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017537.D
Acq: 03 Dec 2020 16:46

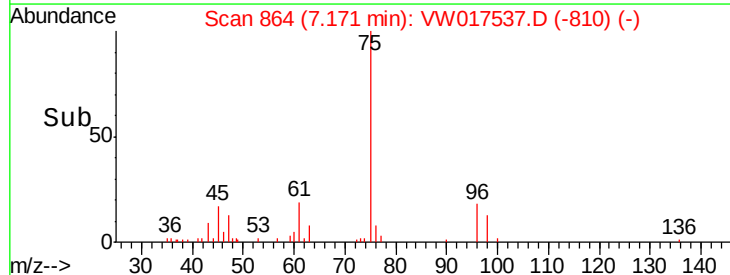
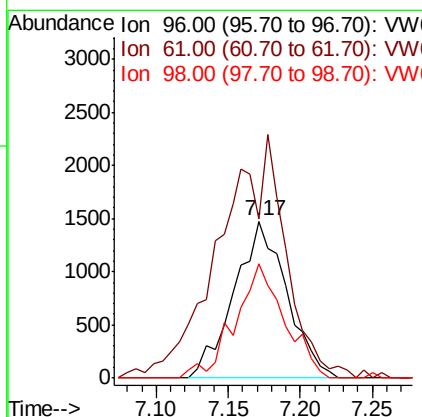
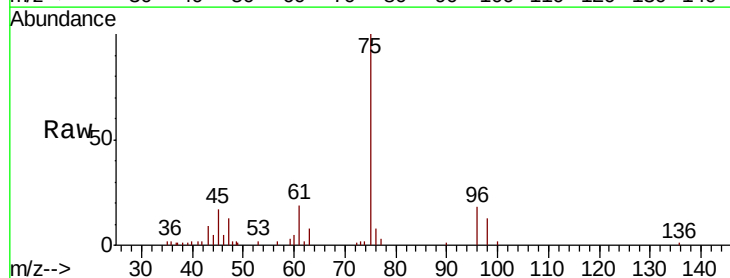
Instrument :
MSVOA_W
ClientSampled :
BG4F8

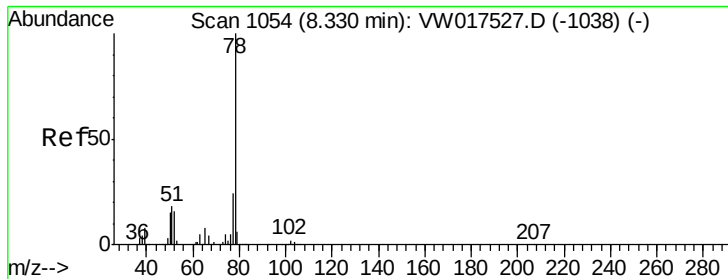
Tot Ion: 84 Resp: 28100
Ion Ratio Lower Upper
84 100
49 121.1 81.2 150.8
86 67.4 44.5 82.7



#22
cis-1,2-Dichloroethene
Concen: 0.514 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017537.D
Acq: 03 Dec 2020 16:46

Tgt Ion: 96 Resp: 3741
Ion Ratio Lower Upper
96 100
61 101.4 84.6 157.2
98 73.1 44.7 82.9





#34

Benzene

Concen: 0.823 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017537.D

Acq: 03 Dec 2020 16:46

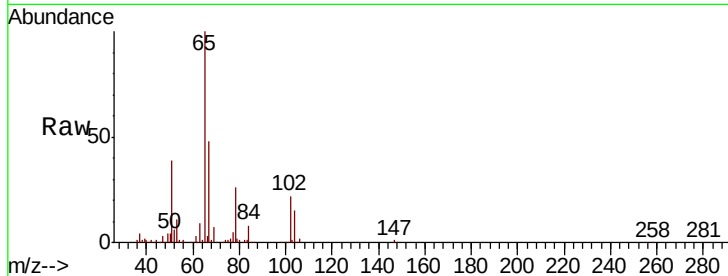
Instrument :

MSVOA_W

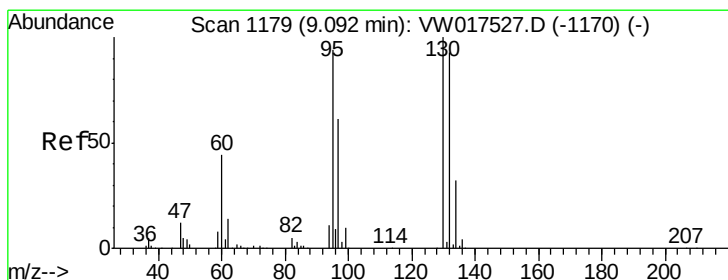
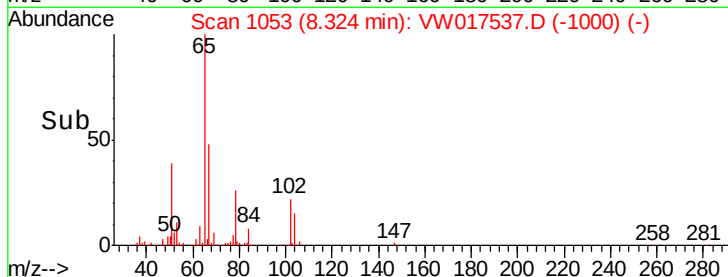
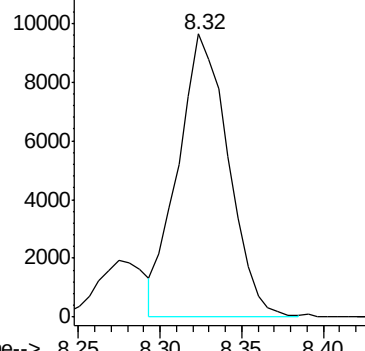
ClientSampleId :

BG4F8

Tgt Ion: 78 Resp: 20721



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 93.531 ug/L

RT: 9.09 min Scan# 1179

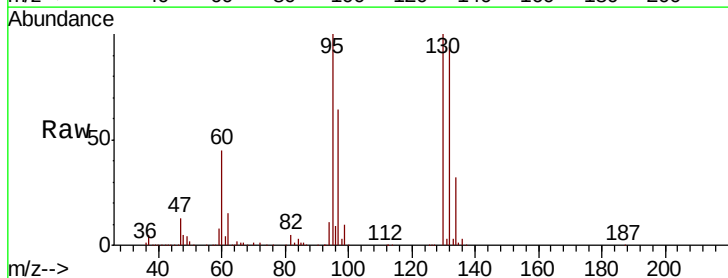
Delta R.T. 0.00 min

Lab File: VW017537.D

Acq: 03 Dec 2020 16:46

Tgt Ion: 95 Resp: 653040

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.0	83.6
132	98.5	71.0	131.8
130	103.5	75.6	140.4

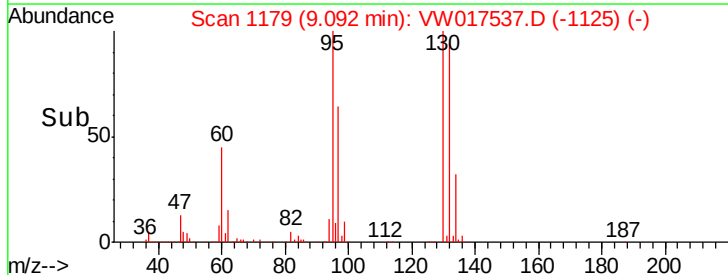
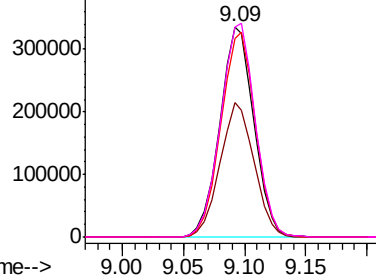


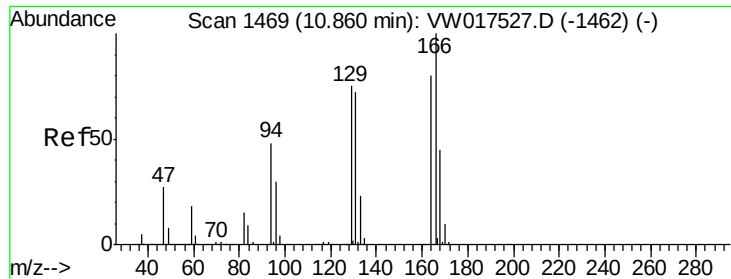
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

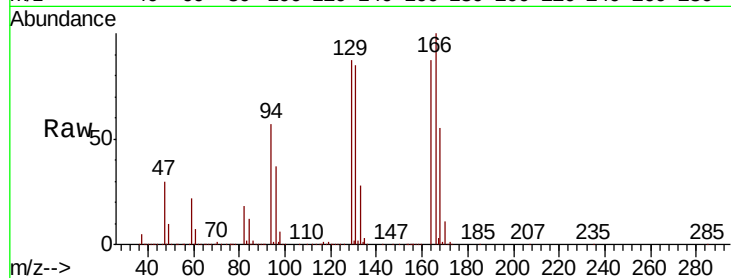




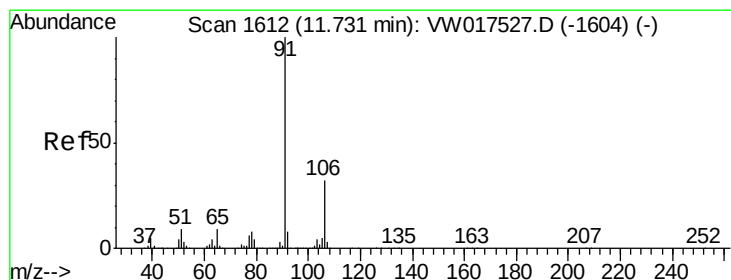
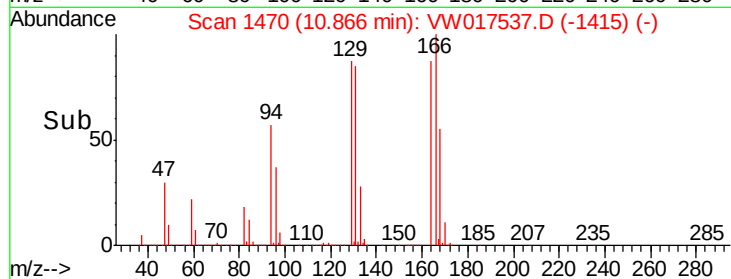
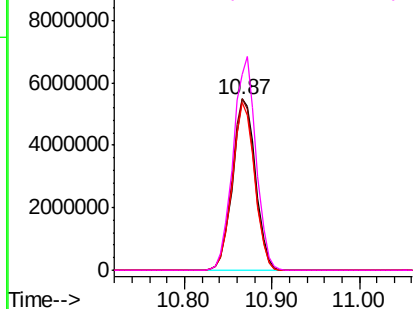
#47
Tetrachloroethene
Concen: 1677.571 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017537.D
Acq: 03 Dec 2020 16:46

Instrument :
MSVOA_W
ClientSampleId :
BG4F8

Tot Ion:164 Resp: 9979758
Ion Ratio Lower Upper
164 100
129 100.2 67.6 125.6
131 97.8 65.2 121.2
166 114.6 93.2 173.2

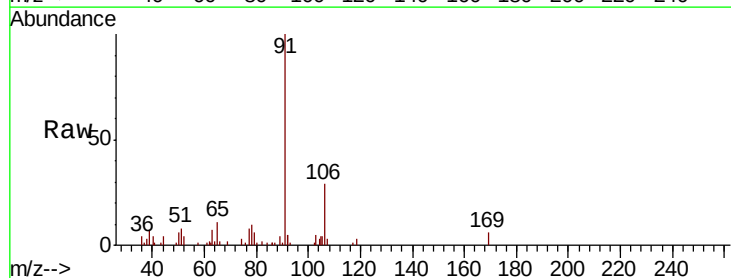


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

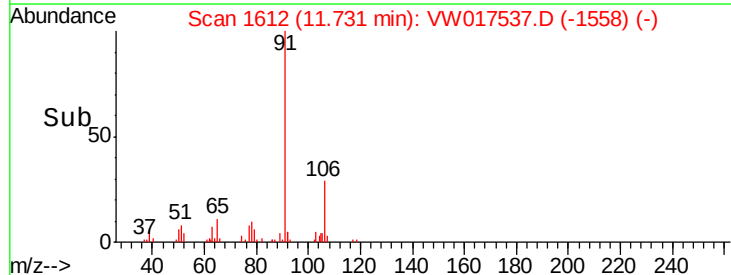
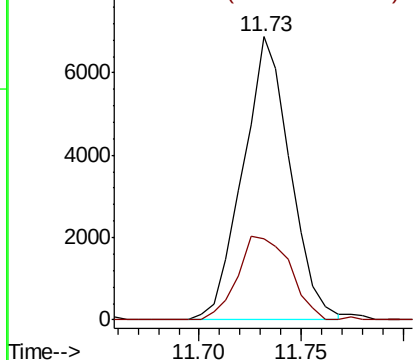


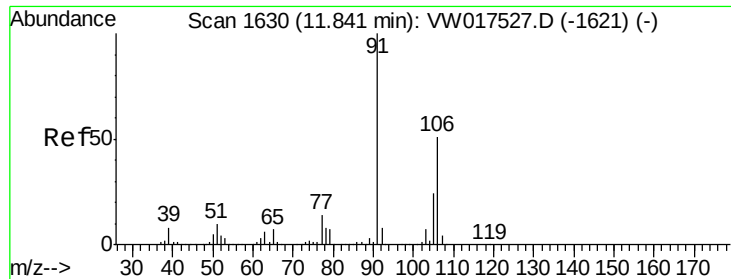
#53
Ethylbenzene
Concen: 0.360 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017537.D
Acq: 03 Dec 2020 16:46

Tgt Ion: 91 Resp: 11077
Ion Ratio Lower Upper
91 100
106 28.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V





#54
 m,p-Xylene
 Concen: 0.370 ug/L
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW017537.D
 Acq: 03 Dec 2020 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4F8

Tot Ion:106 Resp: 4341
 Ion Ratio Lower Upper
 106 100
 91 192.3 136.4 253.4

