

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101920\
 Data File : VW016939.D
 Acq On : 19 Oct 2020 10:57
 Operator : SY/VA
 Sample : L4426-13
 Misc : 5.35G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y8

Quant Time: Oct 20 08:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	635725	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	536155	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	244260	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120874	19.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.08%
7) Chloroethane-d5	2.89	69	107163	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
10) 1,1-Dichloroethene-d2	4.02	63	193568	14.54	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.16%
20) 2-Butanone-d5	7.08	46	55704	39.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.42%
24) Chloroform-d	7.65	84	289109	21.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	8.31	65	140579	21.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.80%
29) Benzene-d6	8.27	84	589153	24.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.76%
33) 1,2-Dichloropropane-d6	9.27	67	162586	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	10.33	98	544474	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.80%
38) trans-1,3-Dichloropropene-	10.58	79	64760	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.93	63	45492	44.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118536	22.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	183951	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

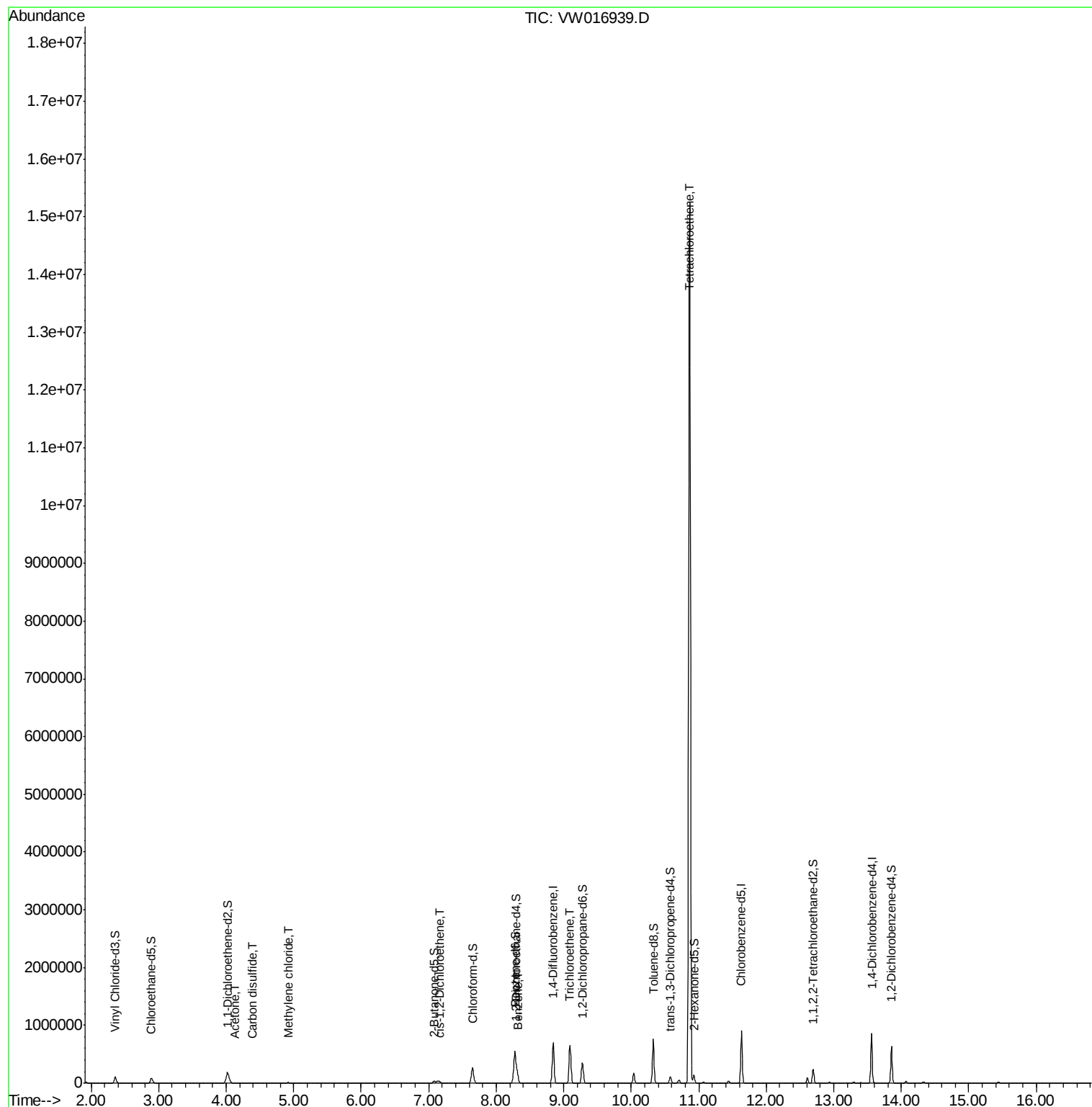
					Ovalue
13) Acetone	4.14	43	5834	5.427 ug/L	91
14) Carbon disulfide	4.39	76	4721	0.200 ug/L	98
16) Methylene chloride	4.92	84	8492	0.968 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	3720	0.425 ug/L	86
34) Benzene	8.32	78	15930	0.553 ug/L	100
35) Trichloroethene	9.09	95	226986	27.871 ug/L	98
47) Tetrachloroethene	10.87	164	3722369	492.992 ug/L	98

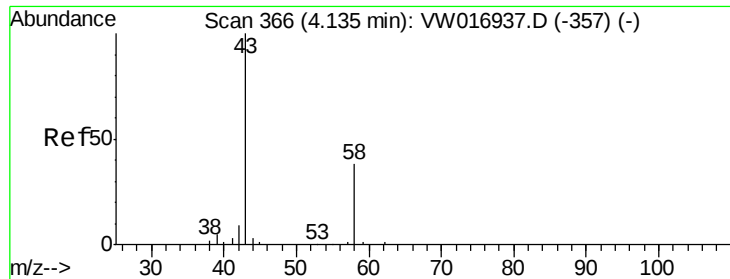
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 20 08:48:34 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.427 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW016939.D

Acq: 19 Oct 2020 10:57

Instrument :

MSVOA_W

ClientSampled :

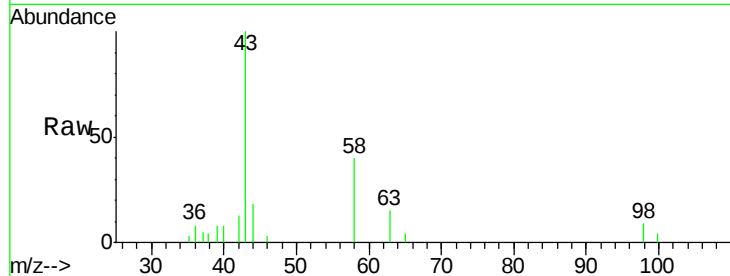
BG3Y8

Tot Ion: 43 Resp: 5834

Ion Ratio Lower Upper

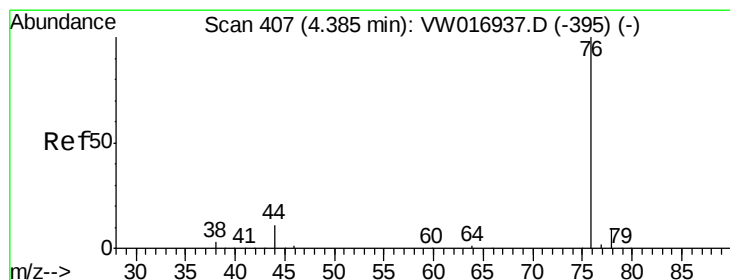
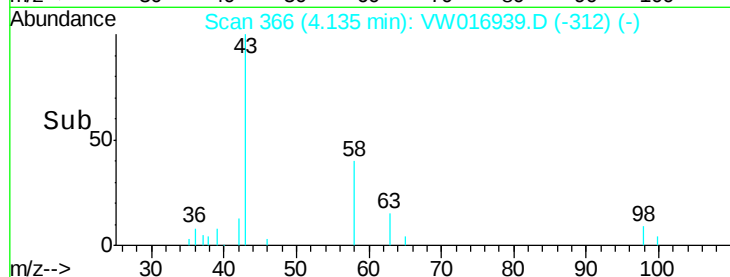
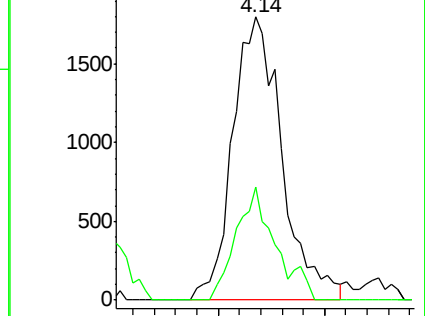
43 100

58 28.6 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.200 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016939.D

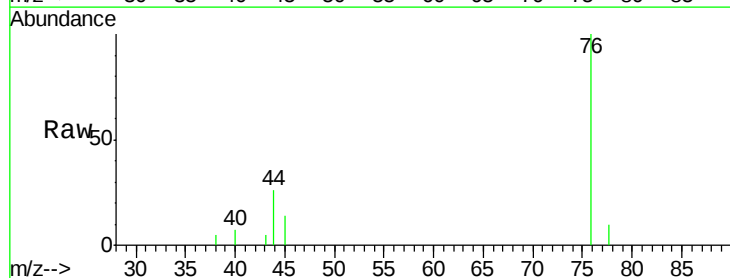
Acq: 19 Oct 2020 10:57

Tgt Ion: 76 Resp: 4721

Ion Ratio Lower Upper

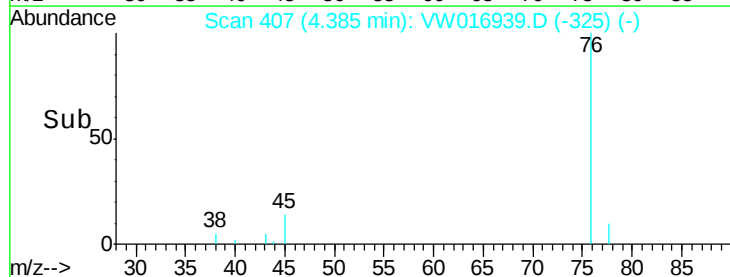
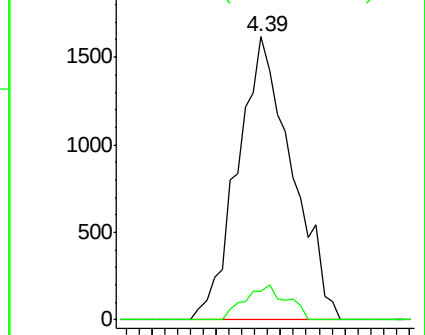
76 100

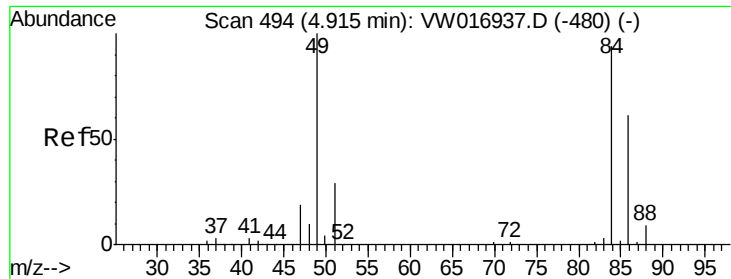
78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

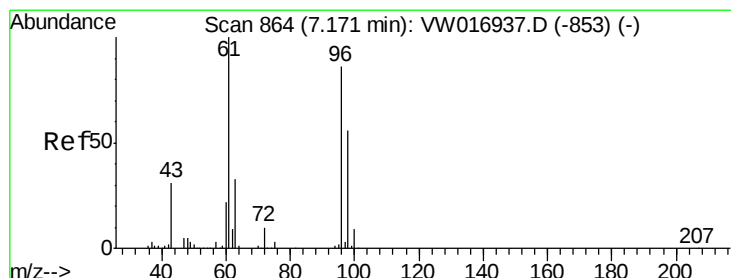
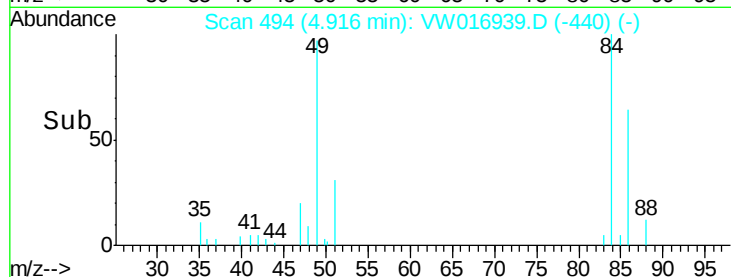
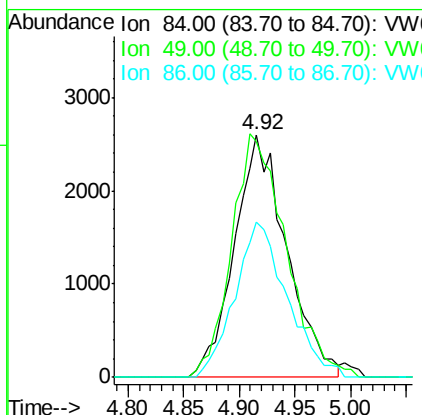
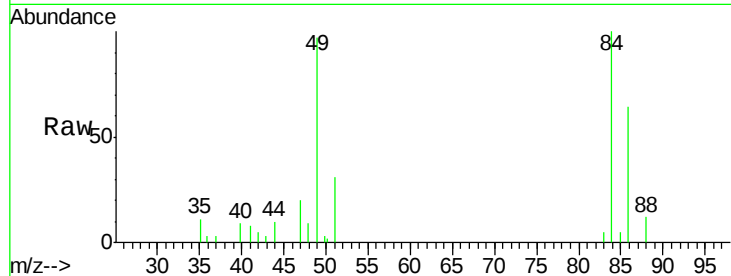




#16
Methylene chloride
Concen: 0.968 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016939.D
Acq: 19 Oct 2020 10:57

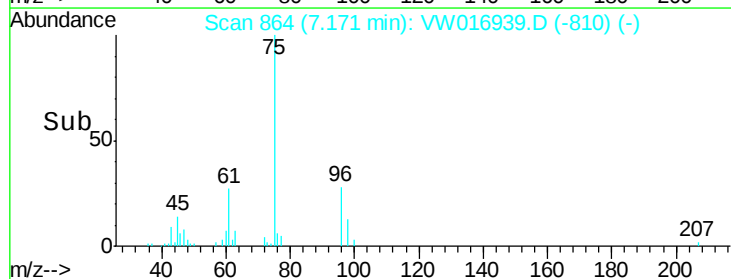
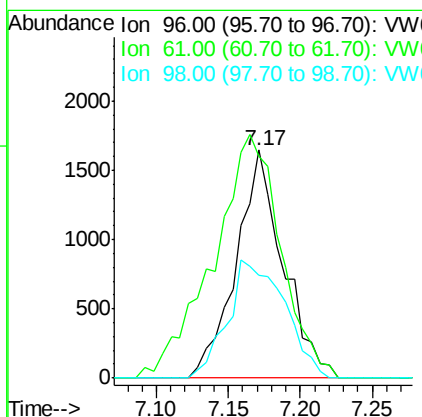
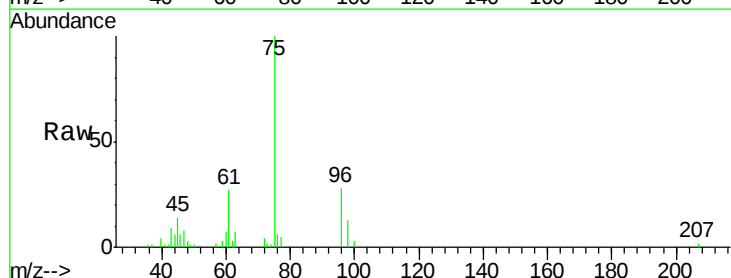
Instrument :
MSVOA_W
ClientSampled :
BG3Y8

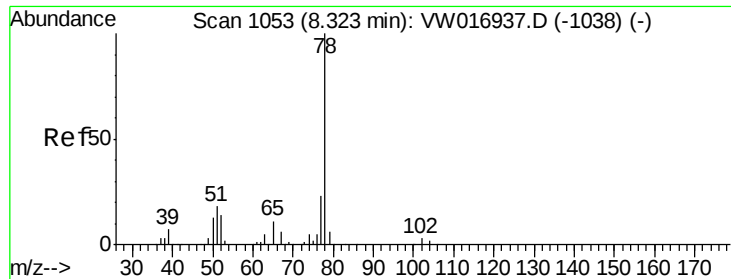
Tot Ion: 84 Resp: 8492
Ion Ratio Lower Upper
84 100
49 97.1 73.1 135.8
86 64.1 46.0 85.4



#22
cis-1,2-Dichloroethene
Concen: 0.425 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016939.D
Acq: 19 Oct 2020 10:57

Tgt Ion: 96 Resp: 3720
Ion Ratio Lower Upper
96 100
61 97.4 76.0 141.2
98 45.3 42.7 79.3





#34

Benzene

Concen: 0.553 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW016939.D

Acq: 19 Oct 2020 10:57

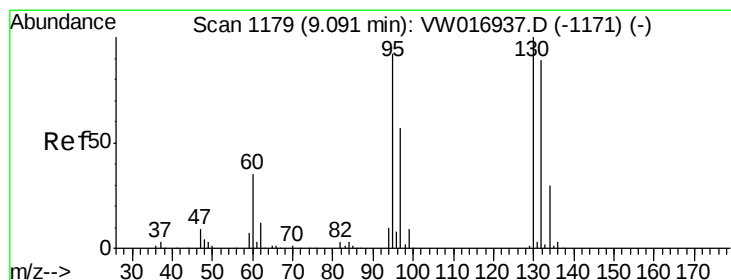
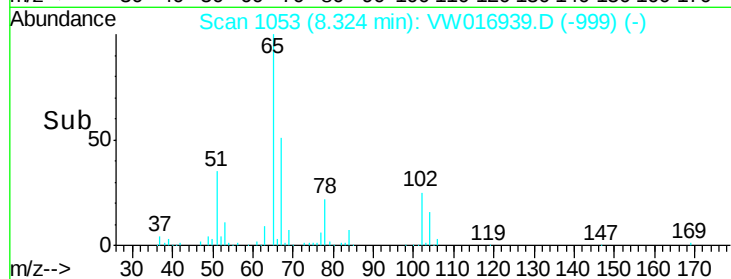
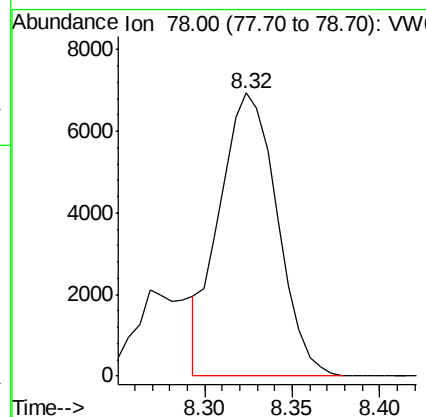
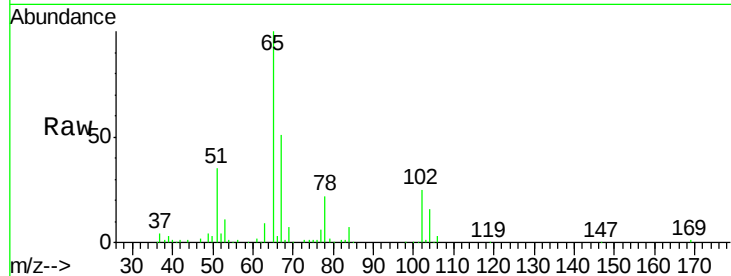
Instrument :

MSVOA_W

ClientSampleId :

BG3Y8

Tgt Ion: 78 Resp: 15930



#35

Trichloroethene

Concen: 27.871 ug/L

RT: 9.09 min Scan# 1179

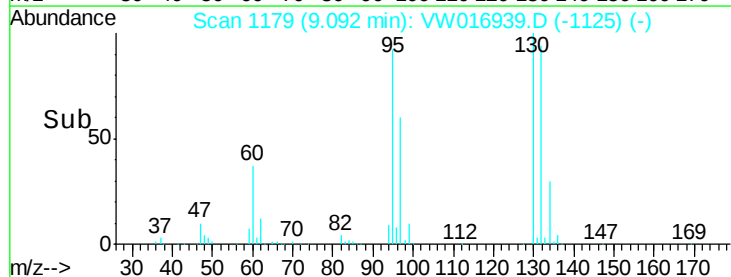
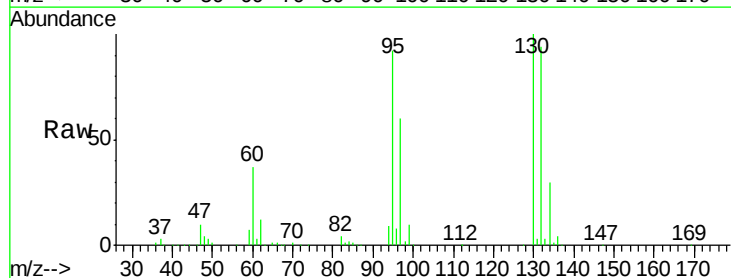
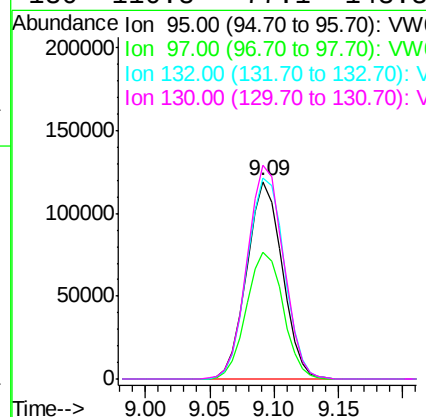
Delta R.T. 0.00 min

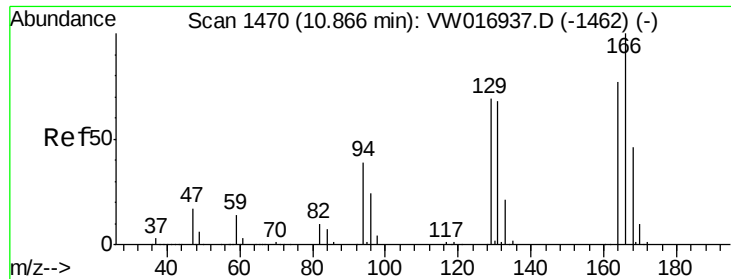
Lab File: VW016939.D

Acq: 19 Oct 2020 10:57

Tgt Ion: 95 Resp: 226986

Ion	Ratio	Lower	Upper
95	100		
97	66.6	44.7	83.1
132	107.2	73.8	137.2
130	110.8	77.1	143.3





#47

Tetrachloroethene

Concen: 492.992 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016939.D

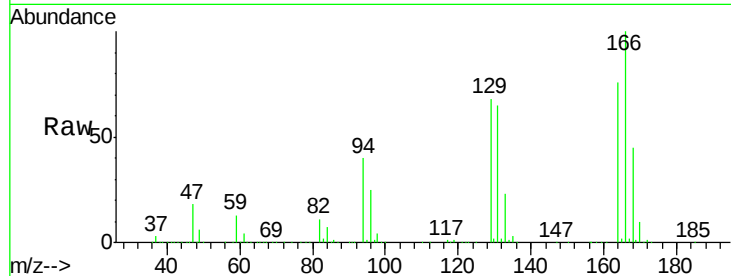
Acq: 19 Oct 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

BG3Y8



Tot Ion:164 Resp: 3722369

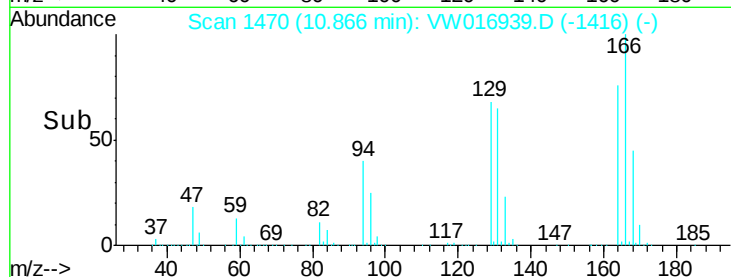
Ion Ratio Lower Upper

164 100

129 89.0 61.7 114.7

131 85.0 59.7 110.9

166 130.7 88.3 164.1



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

