

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016910.D
 Acq On : 15 Oct 2020 14:36
 Operator : SY/VA
 Sample : L4421-14
 Misc : 6.41G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG197

Quant Time: Oct 16 08:15:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	557681	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	511958	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	242328	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126106	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
7) Chloroethane-d5	2.90	69	107402	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	4.03	63	194273	16.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.52%
20) 2-Butanone-d5	7.09	46	61585	49.42	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.84%
24) Chloroform-d	7.65	84	288177	24.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.96%
26) 1,2-Dichloroethane-d4	8.31	65	149456	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	8.28	84	583286	25.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.36%
33) 1,2-Dichloropropane-d6	9.28	67	160656	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.84%
37) Toluene-d8	10.33	98	548688	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
38) trans-1,3-Dichloropropene-	10.59	79	67112	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
39) 2-Hexanone-d5	10.93	63	53524	55.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.78%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	131771	26.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	207878	27.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.20%

Target Compounds

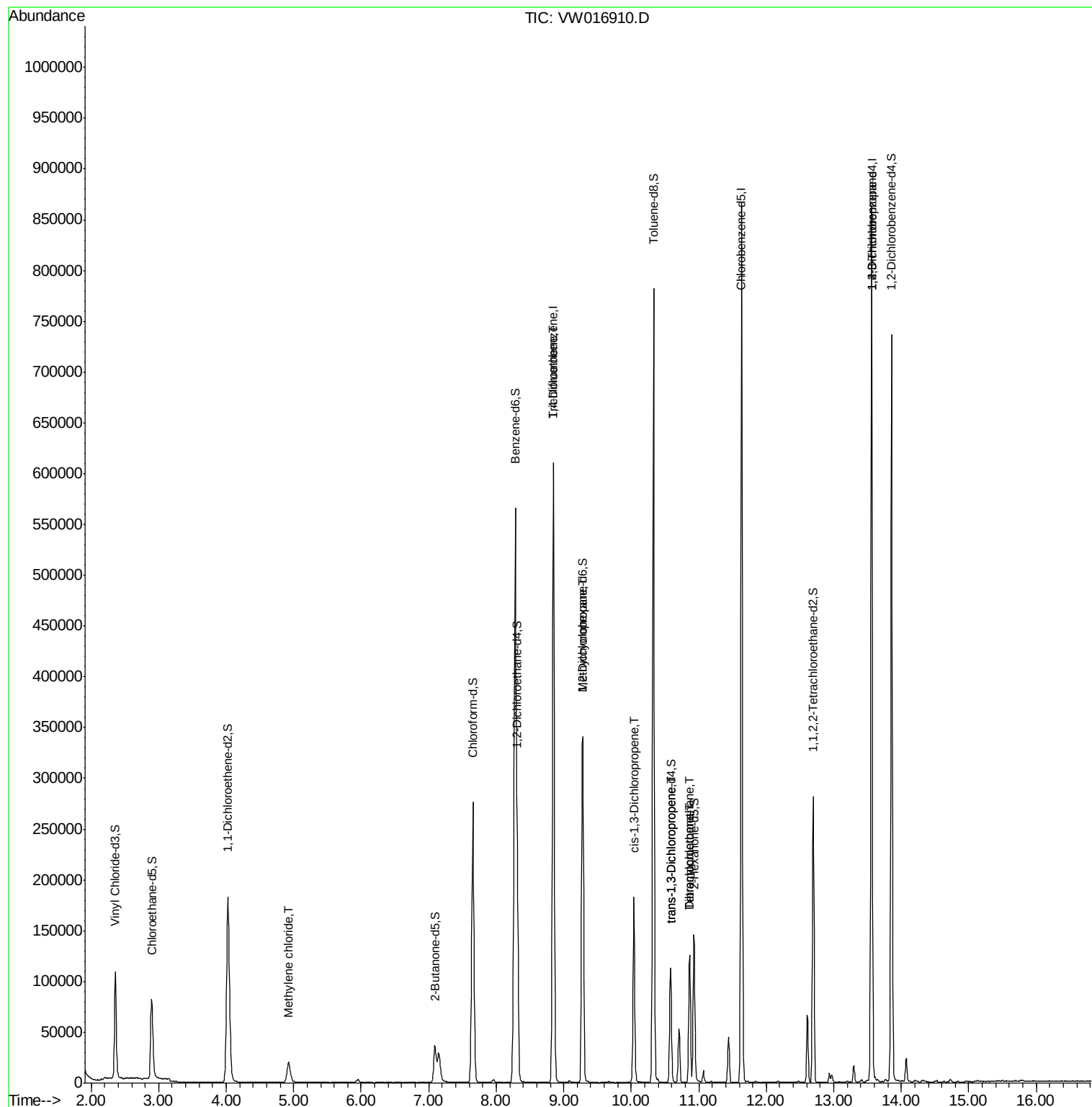
					Ovalue
16) Methylene chloride	4.92	84	19023	2.472 ug/L	98
35) Trichloroethene	8.85	95	16287	2.094 ug/L #	2
36) Methylcyclohexane	9.27	83	41772	3.195 ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	5108	0.515 ug/L #	72
45) trans-1,3-Dichloropropene	10.59	75	3048	0.365 ug/L	96
47) Tetrachloroethene	10.87	164	30694	4.257 ug/L	96
50) Dibromochloromethane	10.87	129	27032	4.303 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	24535	6.064 ug/L	92

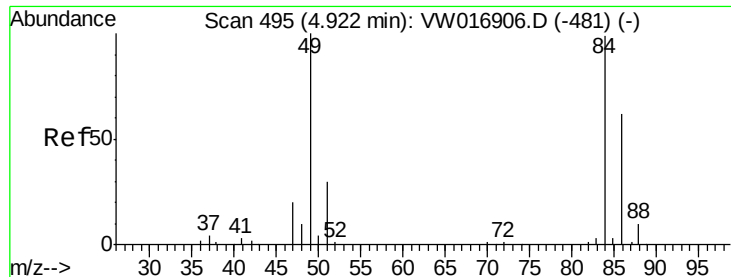
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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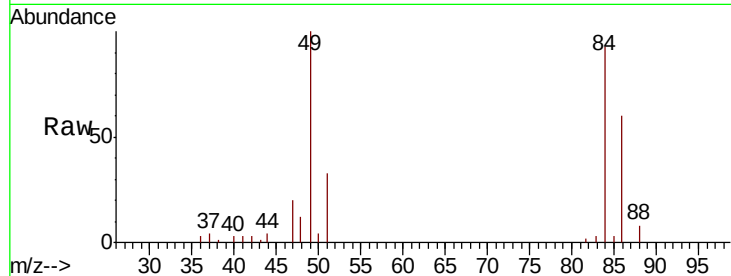




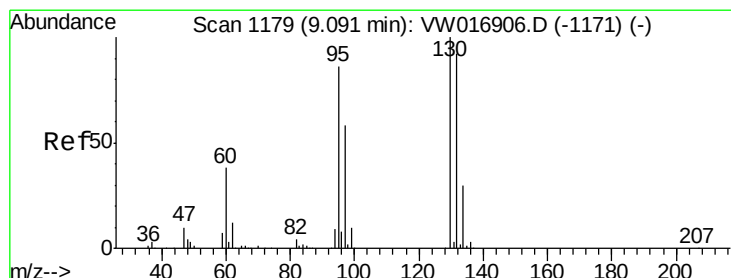
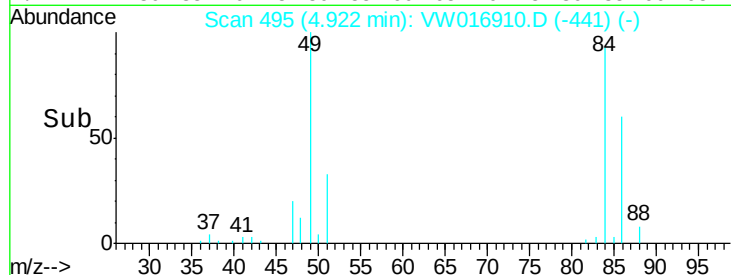
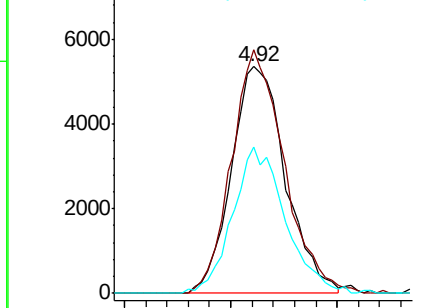
#16
Methylene chloride
Concen: 2.472 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
BG197

Tot Ion: 84 Resp: 19023
Ion Ratio Lower Upper
84 100
49 107.5 73.1 135.8
86 64.8 46.0 85.4

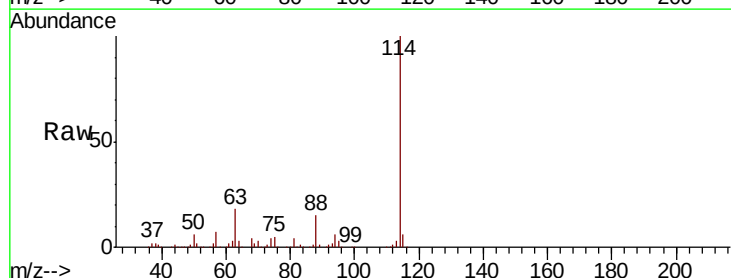


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

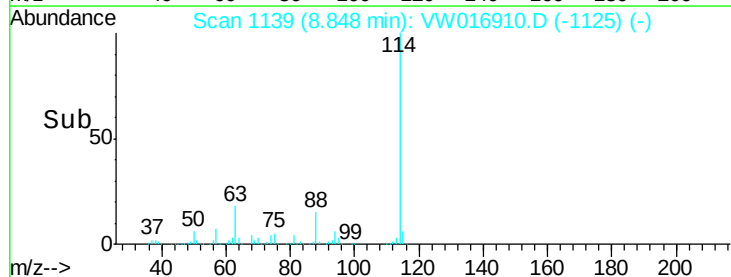
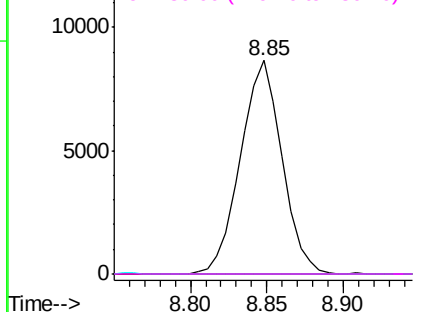


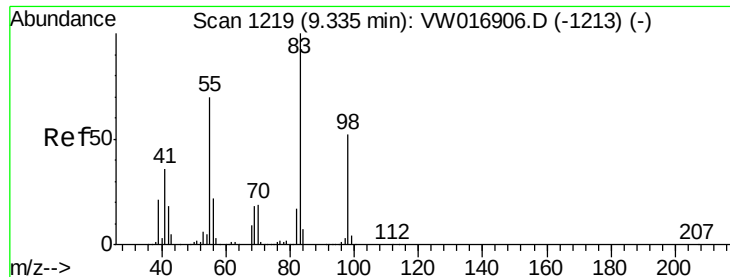
#35
Trichloroethene
Concen: 2.094 ug/L
RT: 8.85 min Scan# 1139
Delta R.T. -0.24 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

Tgt Ion: 95 Resp: 16287
Ion Ratio Lower Upper
95 100
97 0.0 44.7 83.1#
132 0.5 73.8 137.2#
130 0.5 77.1 143.3#



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

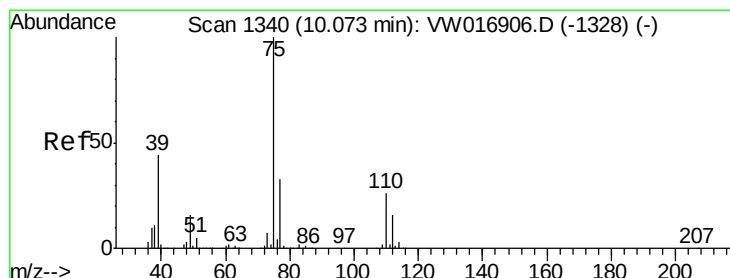
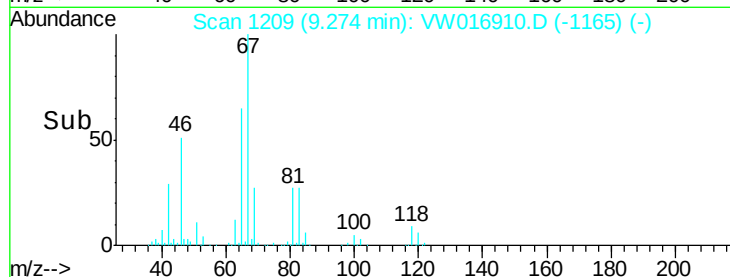
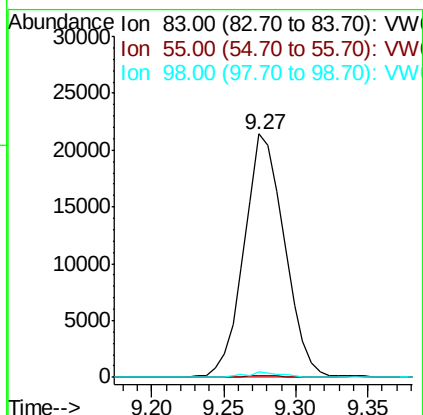
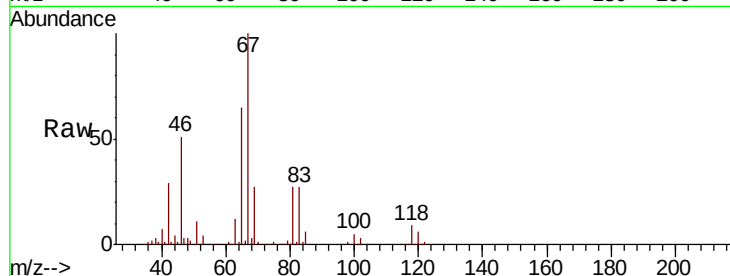




#36
Methylcyclohexane
Concen: 3.195 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

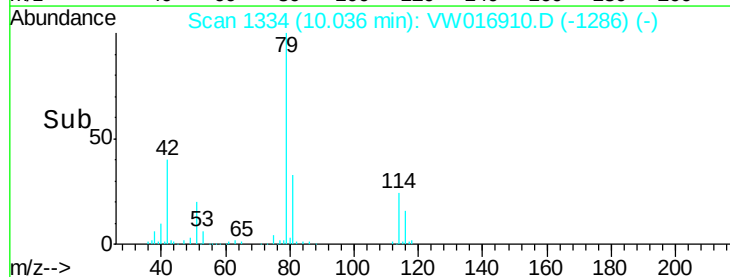
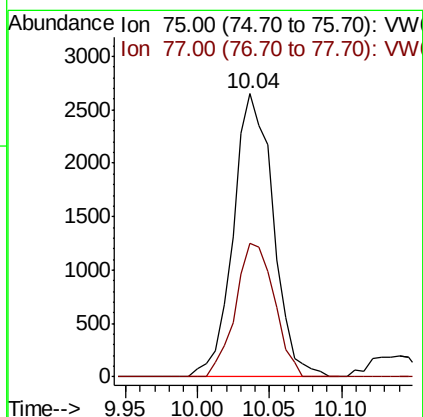
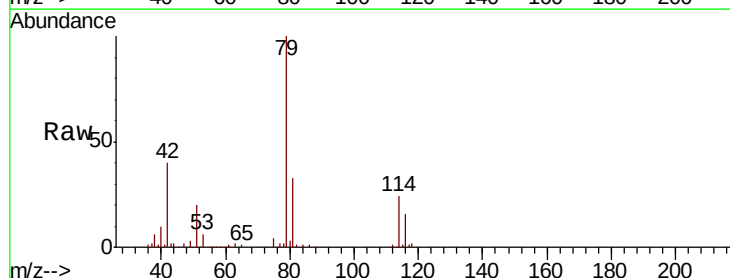
Instrument :
MSVOA_W
ClientSampled :
BG197

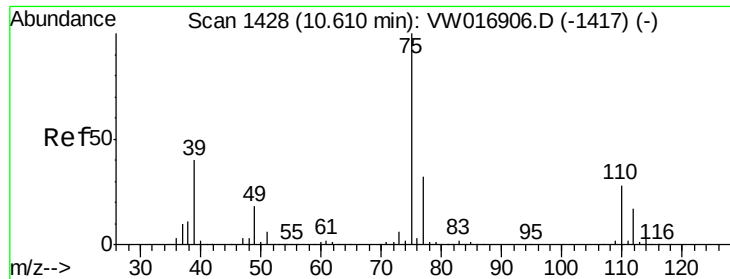
Tot Ion: 83 Resp: 41772
Ion Ratio Lower Upper
83 100
55 0.7 54.2 81.4#
98 1.9 41.4 62.2#



#42
cis-1,3-Dichloropropene
Concen: 0.515 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

Tgt Ion: 75 Resp: 5108
Ion Ratio Lower Upper
75 100
77 47.2 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.365 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016910.D

Acq: 15 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

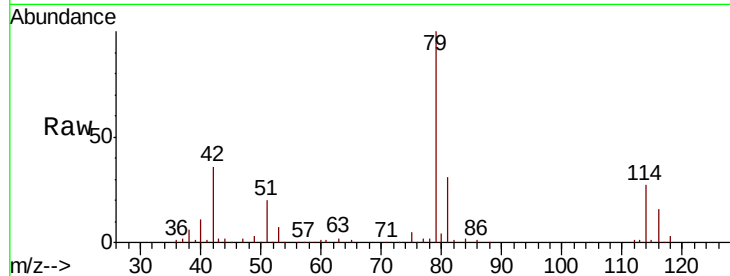
BG197

Tot Ion: 75 Resp: 3048

Ion Ratio Lower Upper

75 100

77 34.1 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.59

1500

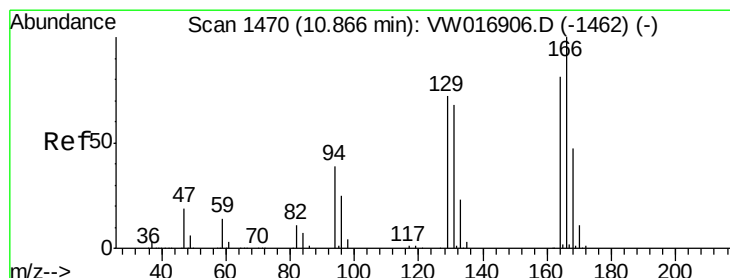
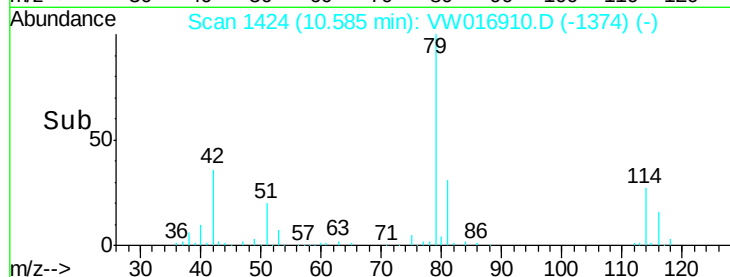
1000

500

0

Time-->

10.55 10.60



#47

Tetrachloroethene

Concen: 4.257 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016910.D

Acq: 15 Oct 2020 14:36

Tgt Ion: 164 Resp: 30694

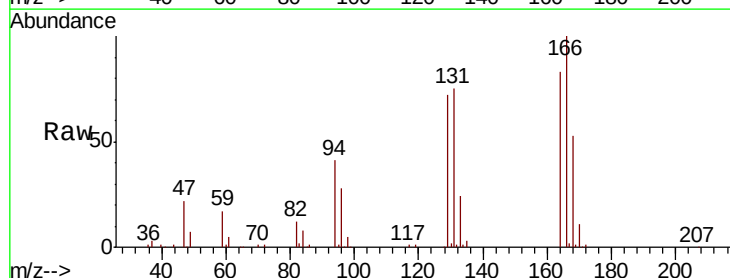
Ion Ratio Lower Upper

164 100

129 86.7 61.7 114.7

131 90.0 59.7 110.9

166 120.1 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

30000

25000

20000

15000

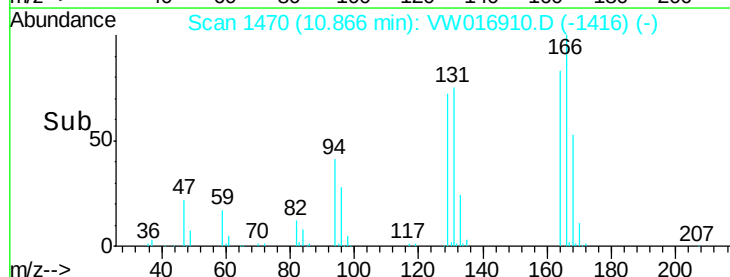
10000

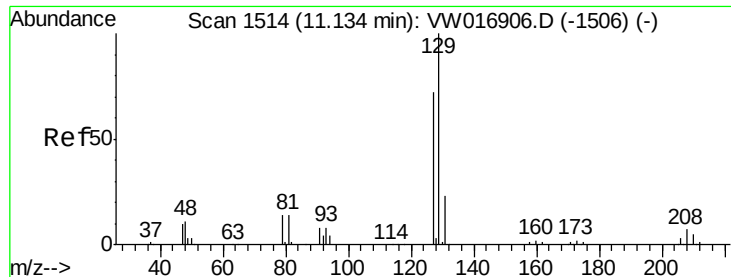
5000

0

Time-->

10.80 10.85 10.90

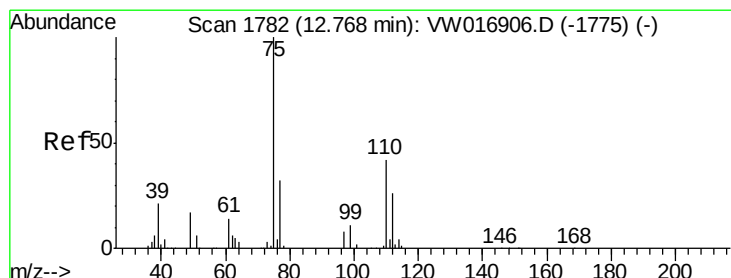
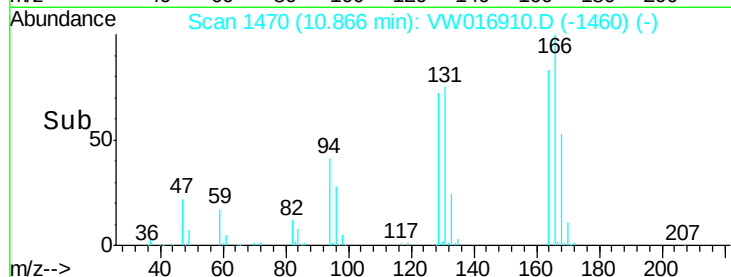
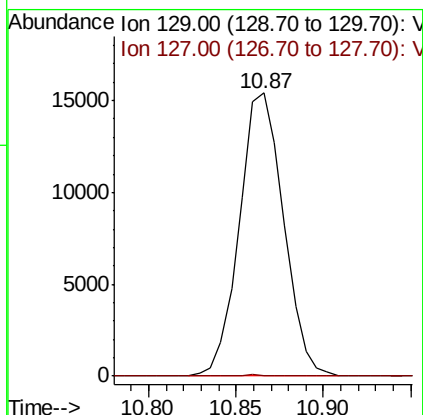
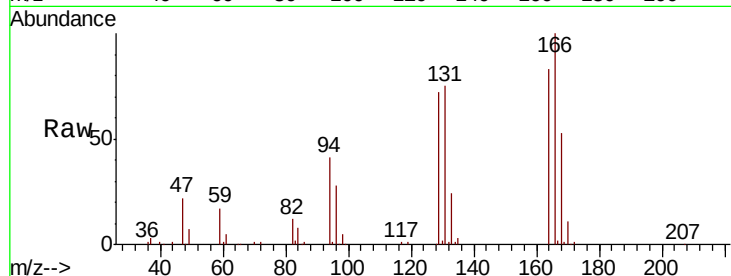




#50
Dibromochloromethane
Concen: 4.303 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.27 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
BG197

Tot Ion:129 Resp: 27032
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#



#59
1,2,3-Trichloropropane
Concen: 6.064 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW016910.D
Acq: 15 Oct 2020 14:36

Tgt Ion: 75 Resp: 24535
Ion Ratio Lower Upper
75 100
77 37.1 26.2 39.2

