

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016094.D
 Acq On : 08 Aug 2020 00:53
 Operator : SY/VA
 Sample : L3579-14
 Misc : 7.14G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 05:13:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 05:08:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	366866	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296350	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	97826	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	66426	12.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.32%
7) Chloroethane-d5	2.89	69	60568	14.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.64%
10) 1,1-Dichloroethene-d2	4.01	63	117099	11.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.76%#
20) 2-Butanone-d5	7.08	46	50098	36.84	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.68%
24) Chloroform-d	7.65	84	190745	18.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.04%
26) 1,2-Dichloroethane-d4	8.31	65	102491	18.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.48%
29) Benzene-d6	8.27	84	356813	19.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.12%
33) 1,2-Dichloropropane-d6	9.27	67	114180	21.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.44%
37) Toluene-d8	10.33	98	296177	18.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.52%
38) trans-1,3-Dichloropropene-	10.58	79	41766	18.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.48%
39) 2-Hexanone-d5	10.93	63	41835	46.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91236	21.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	78600	20.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.44%

Target Compounds

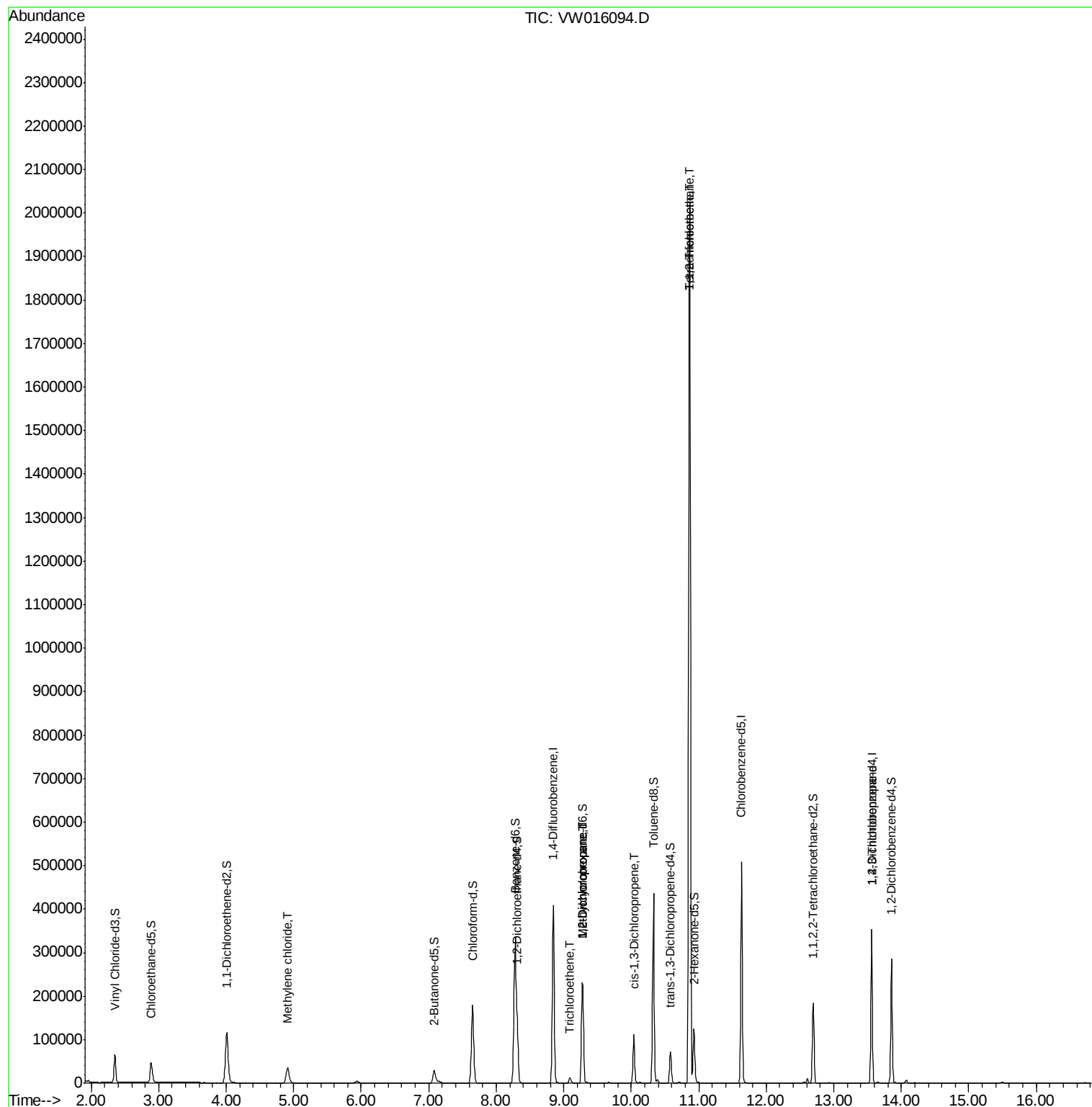
					Ovalue
16) Methylene chloride	4.91	84	28963	4.818 ug/L	87
35) Trichloroethene	9.10	95	3966	0.833 ug/L	95
36) Methylcyclohexane	9.27	83	28742	3.518 ug/L #	18
40) 1,2-Dichloropropane	9.27	63	12447	2.791 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	2657	0.391 ug/L #	55
46) 1,1,2-Trichloroethane	10.86	97	3749	1.169 ug/L #	1
47) Tetrachloroethene	10.87	164	500265	135.361 ug/L	95
59) 1,2,3-Trichloropropane	13.56	75	10236	3.628 ug/L	89

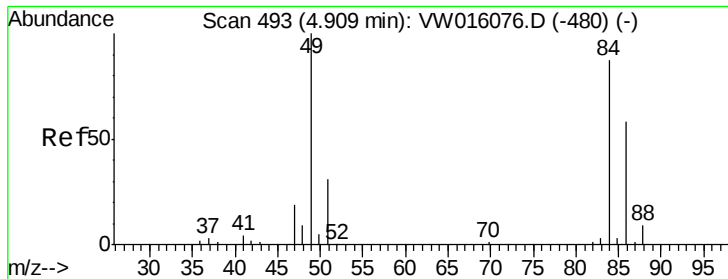
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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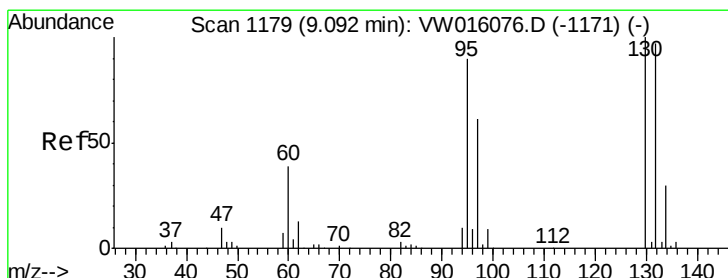
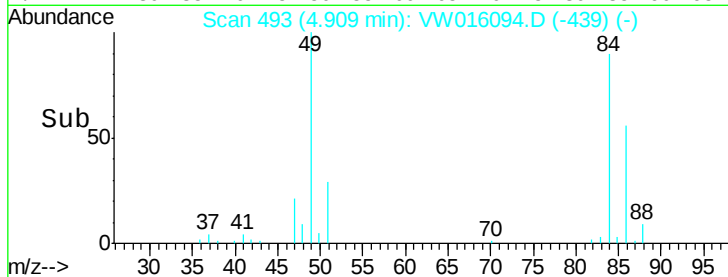
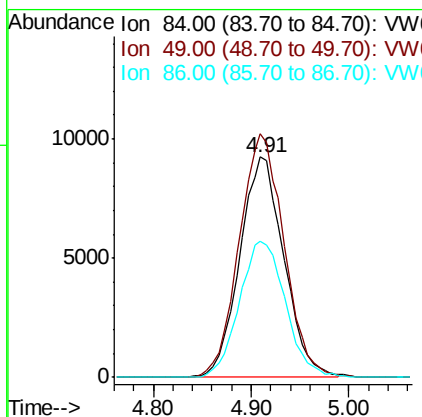
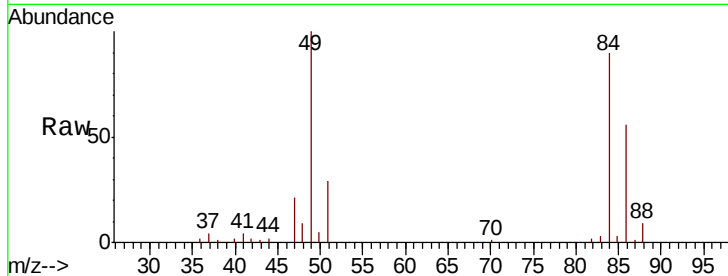




#16
Methvlene chloride
Concen: 4.818 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW016094.D
Acq: 08 Aug 2020 00:53

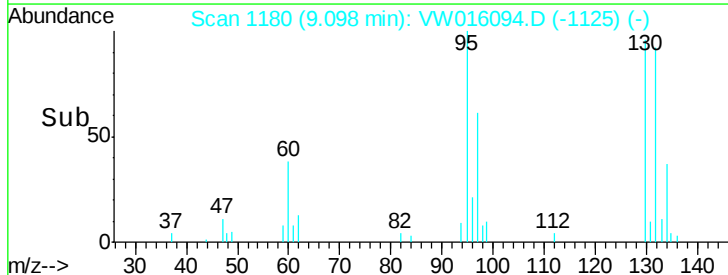
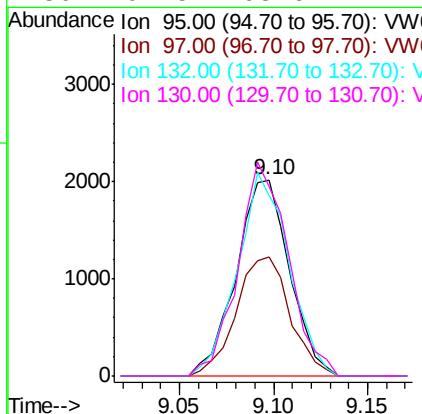
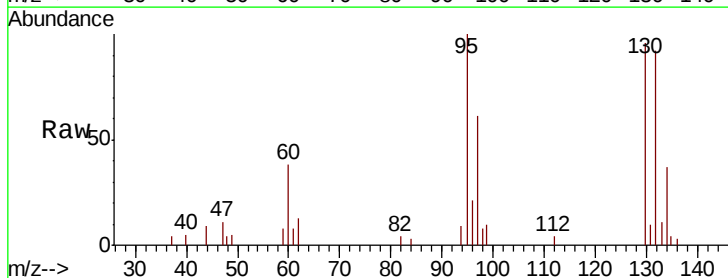
Instrument :
MSVOA_W
ClientSampleId :

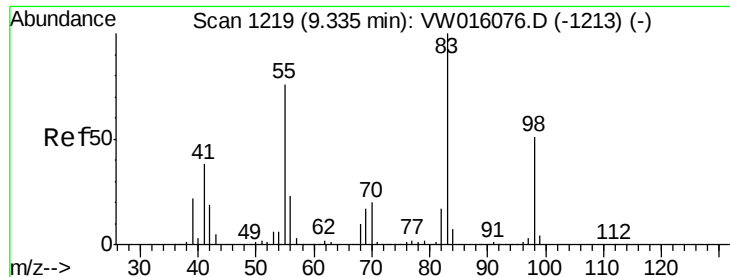
Tot Ion: 84 Resp: 28963
Ion Ratio Lower Upper
84 100
49 110.7 91.1 169.1
86 62.1 46.0 85.4



#35
Trichloroethene
Concen: 0.833 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW016094.D
Acq: 08 Aug 2020 00:53

Tgt Ion: 95 Resp: 3966
Ion Ratio Lower Upper
95 100
97 61.2 44.4 82.4
132 100.6 65.1 120.9
130 102.5 68.6 127.4

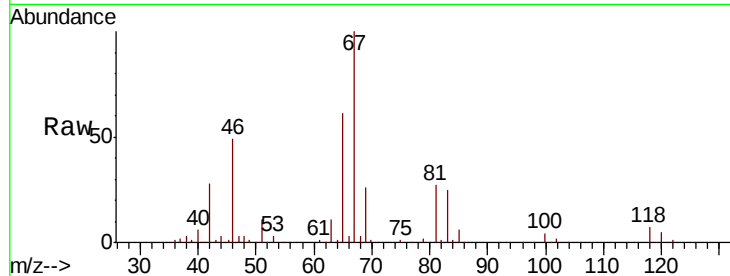




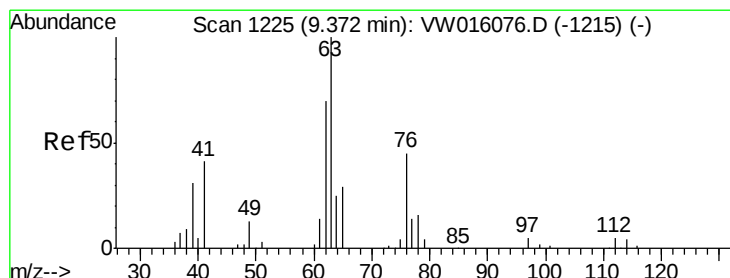
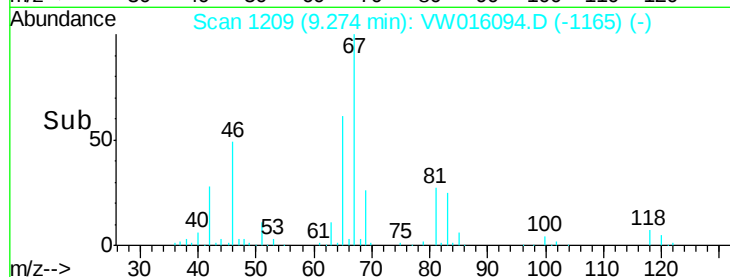
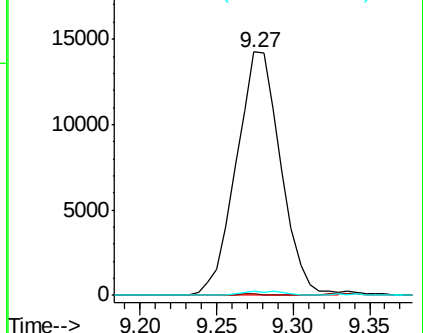
#36
Methvlcvclohexane
Concen: 3.518 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016094.D
Acq: 08 Aug 2020 00:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 28742
Ion Ratio Lower Upper
83 100
55 0.3 63.5 95.3#
98 1.5 39.0 58.4#

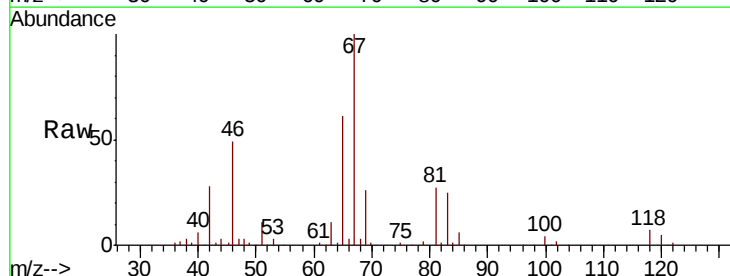


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

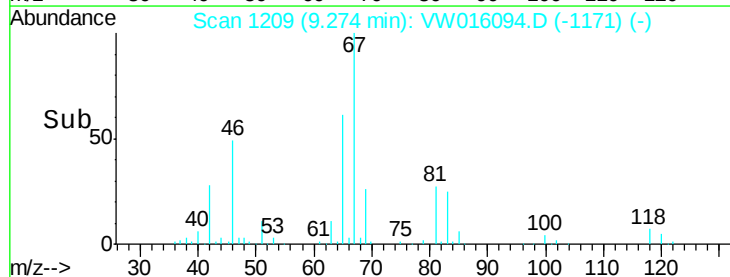
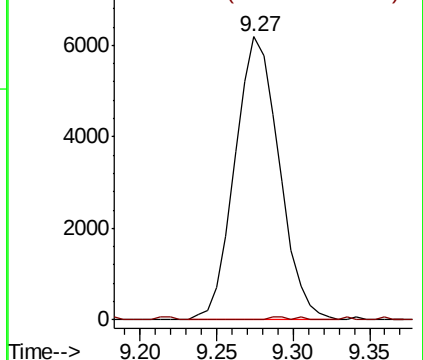


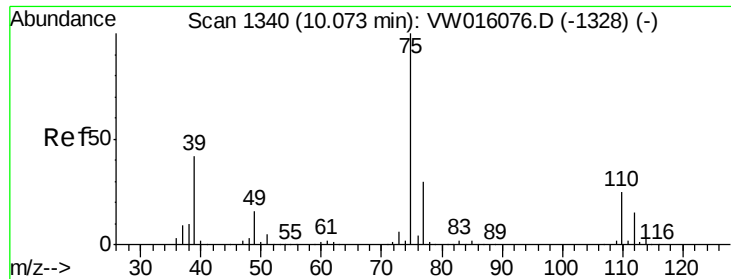
#40
1,2-Dichloropropane
Concen: 2.791 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016094.D
Acq: 08 Aug 2020 00:53

Tgt Ion: 63 Resp: 12447
Ion Ratio Lower Upper
63 100
112 0.4 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.391 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016094.D

Acq: 08 Aug 2020 00:53

Instrument :

MSVOA_W

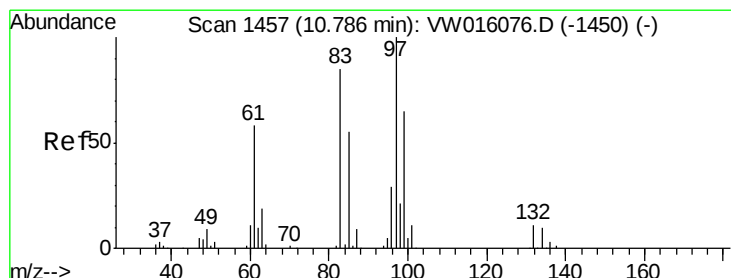
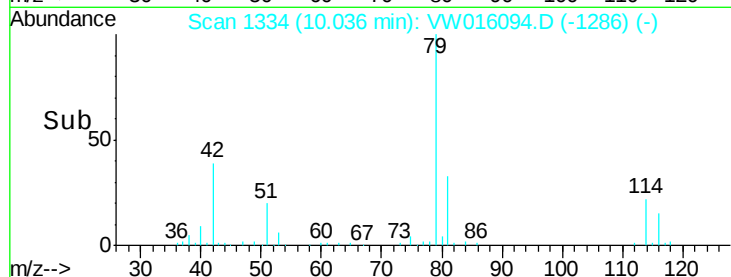
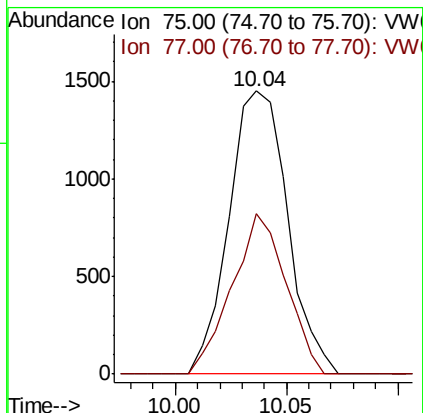
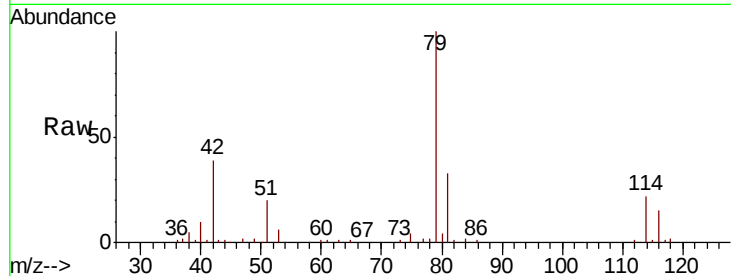
ClientSampleId :

Tot Ion: 75 Resp: 2657

Ion Ratio Lower Upper

75 100

77 56.9 22.2 41.2#



#46

1,1,2-Trichloroethane

Concen: 1.169 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW016094.D

Acq: 08 Aug 2020 00:53

Tgt Ion: 97 Resp: 3749

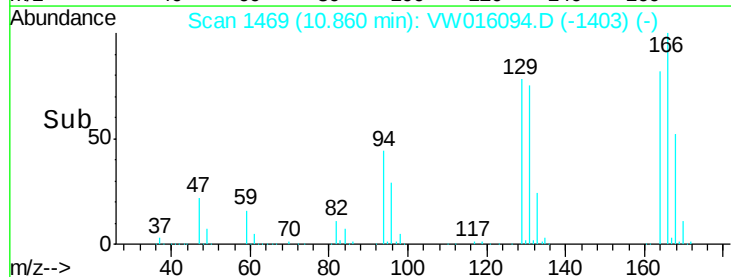
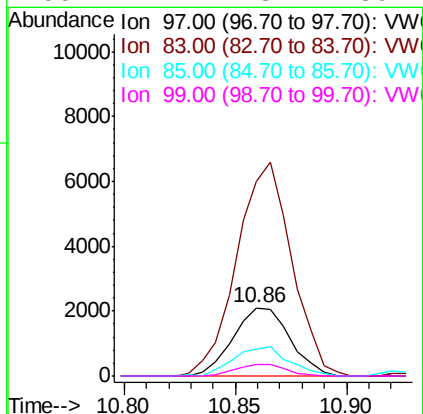
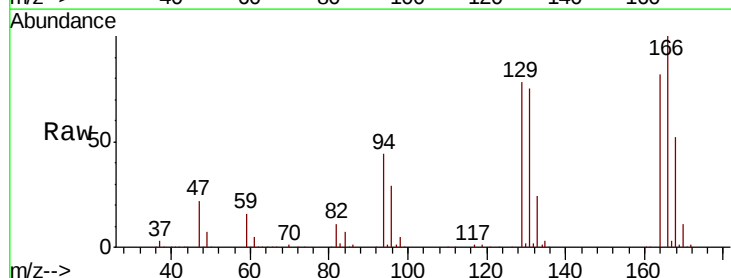
Ion Ratio Lower Upper

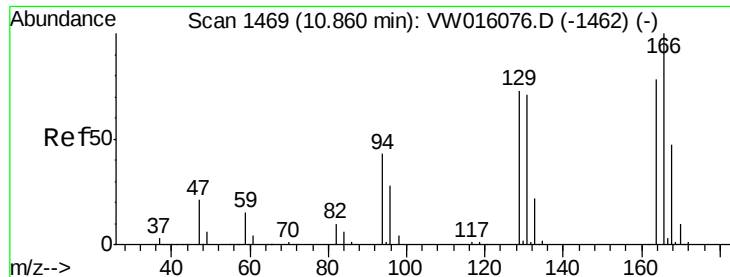
97 100

83 284.3 60.6 112.6#

85 38.5 38.9 72.2#

99 17.4 43.1 80.1#





#47

Tetrachloroethene

Concen: 135.361 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016094.D

Acq: 08 Aug 2020 00:53

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 500265

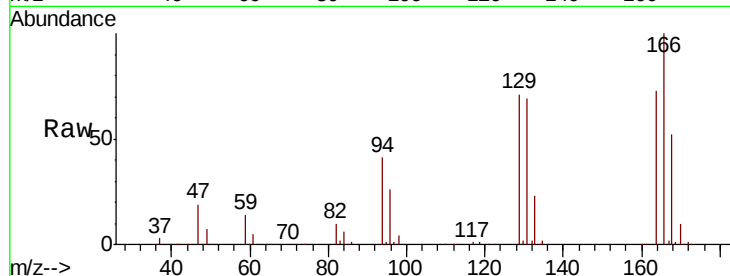
Ion Ratio Lower Upper

164 100

129 97.2 70.0 130.0

131 93.5 67.3 124.9

166 136.3 88.5 164.3

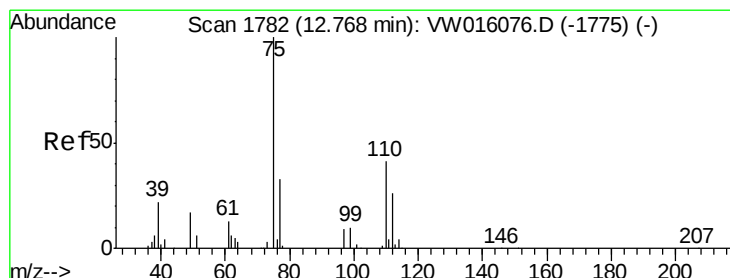
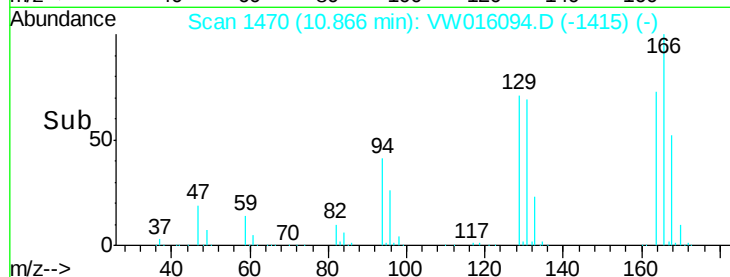
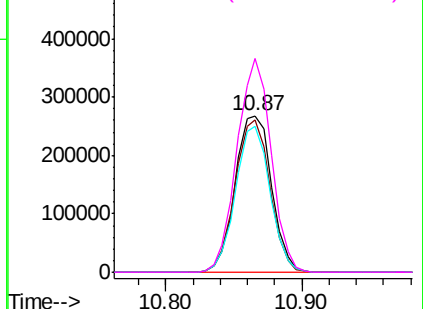


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 3.628 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016094.D

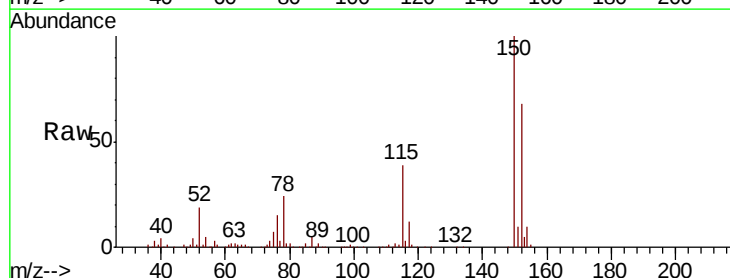
Acq: 08 Aug 2020 00:53

Tgt Ion: 75 Resp: 10236

Ion Ratio Lower Upper

75 100

77 38.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

