

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016089.D
 Acq On : 07 Aug 2020 22:55
 Operator : SY/VA
 Sample : L3564-13
 Misc : 6.31G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 05:12:28 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	346475	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302465	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114762	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	68383	13.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.96%
7) Chloroethane-d5	2.89	69	60553	15.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.00%
10) 1,1-Dichloroethene-d2	4.01	63	117983	11.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.76%
20) 2-Butanone-d5	7.09	46	45402	35.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.70%
24) Chloroform-d	7.65	84	191586	19.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.76%
26) 1,2-Dichloroethane-d4	8.30	65	97408	18.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.96%
29) Benzene-d6	8.27	84	364136	19.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.12%
33) 1,2-Dichloropropane-d6	9.27	67	111245	20.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.64%
37) Toluene-d8	10.33	98	316963	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.04%
38) trans-1,3-Dichloropropene-	10.58	79	40989	17.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.68%
39) 2-Hexanone-d5	10.93	63	37563	40.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86502	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	96658	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

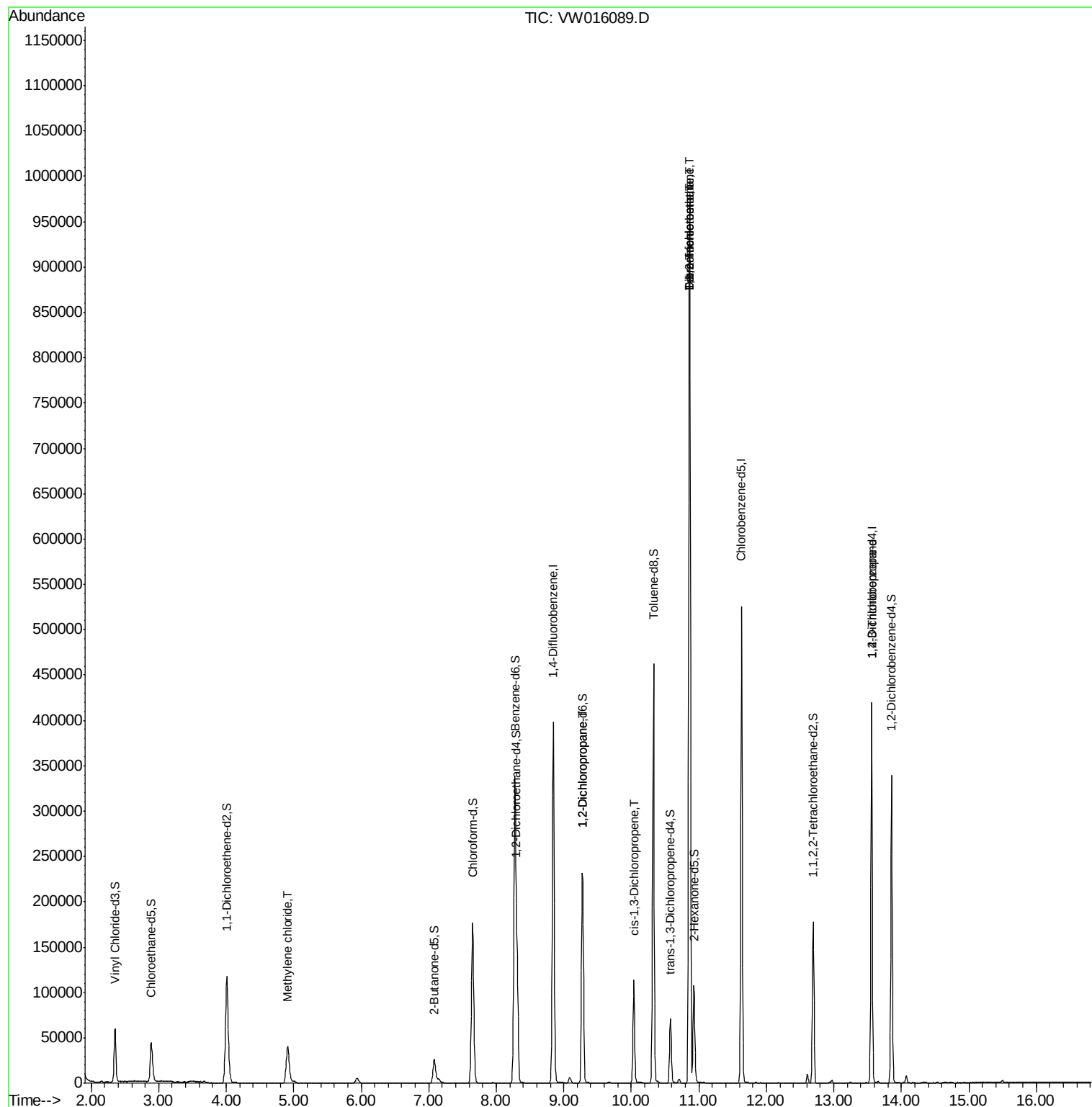
					Ovalue
16) Methylene chloride	4.91	84	33860	5.964 ug/L	88
40) 1,2-Dichloropropane	9.27	63	12198	2.680 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	2581	0.372 ug/L #	56
46) 1,1,2-Trichloroethane	10.87	97	1781	0.544 ug/L #	2
47) Tetrachloroethene	10.87	164	236355	62.660 ug/L	93
50) Dibromochloromethane	10.87	129	218588	57.692 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	12560	4.362 ug/L	91

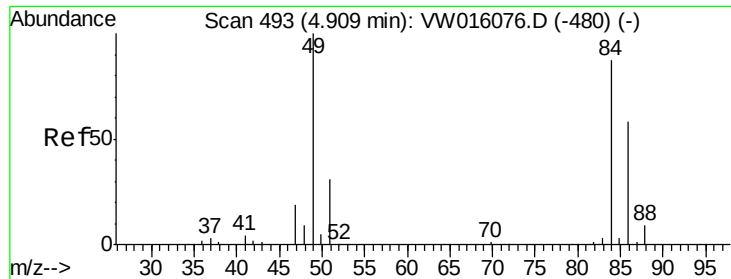
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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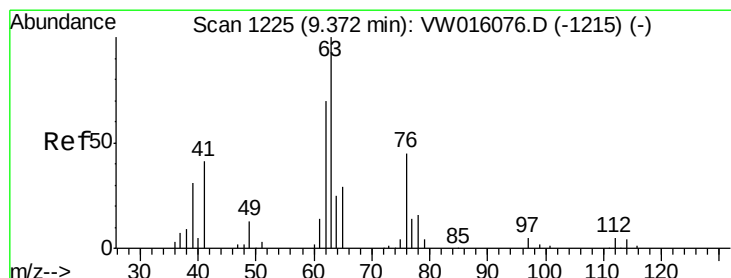
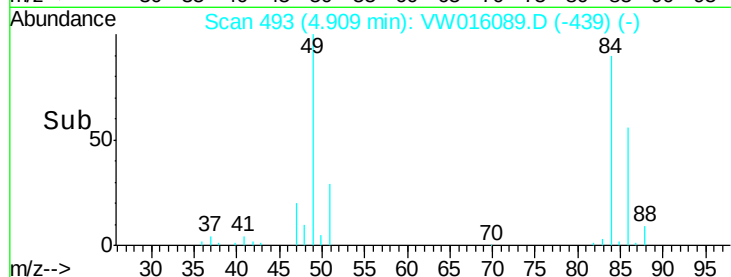
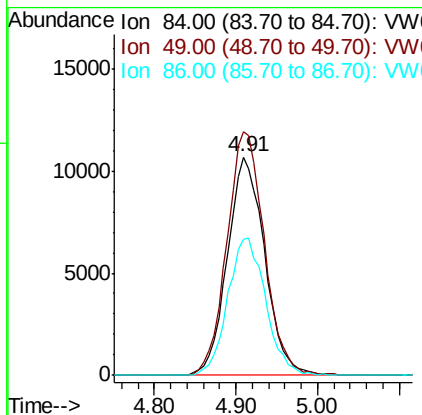
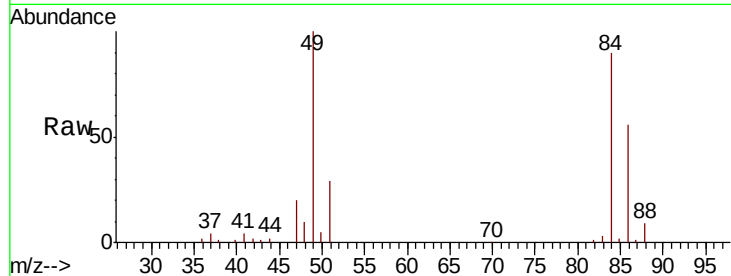




#16
Methylene chloride
Concen: 5.964 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW016089.D
Acq: 07 Aug 2020 22:55

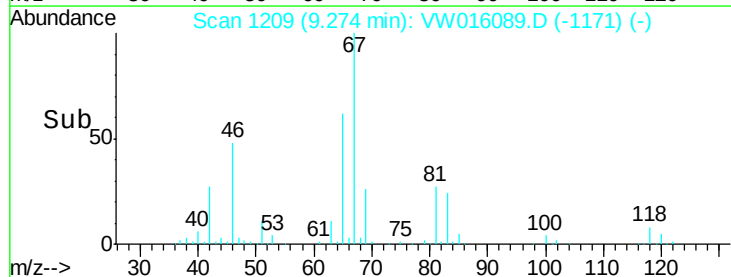
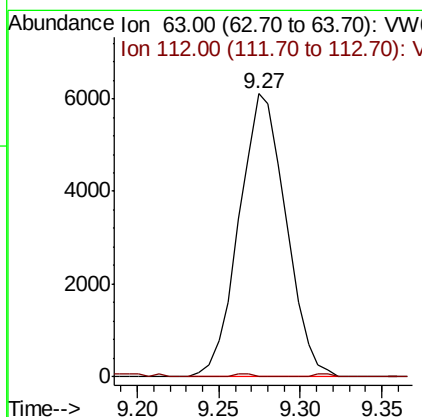
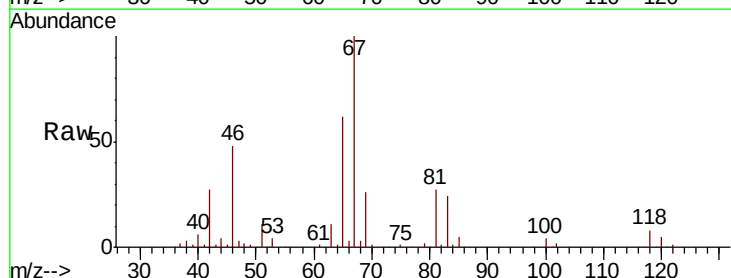
Instrument :
MSVOA_W
ClientSampleId :

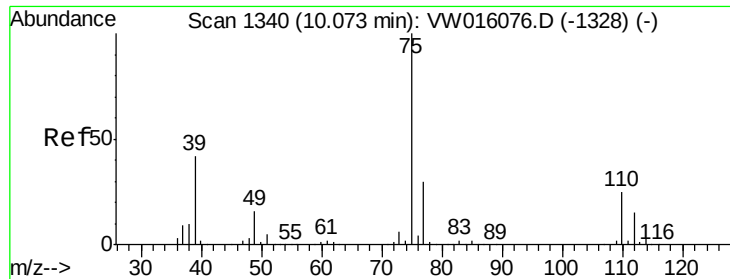
Tot Ion: 84 Resp: 33860
Ion Ratio Lower Upper
84 100
49 111.3 91.1 169.1
86 62.1 46.0 85.4



#40
1,2-Dichloropropane
Concen: 2.680 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016089.D
Acq: 07 Aug 2020 22:55

Tgt Ion: 63 Resp: 12198
Ion Ratio Lower Upper
63 100
112 0.4 3.7 5.5#





#42

cis-1,3-Dichloropropene

Concen: 0.372 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016089.D

Acq: 07 Aug 2020 22:55

Instrument :

MSVOA_W

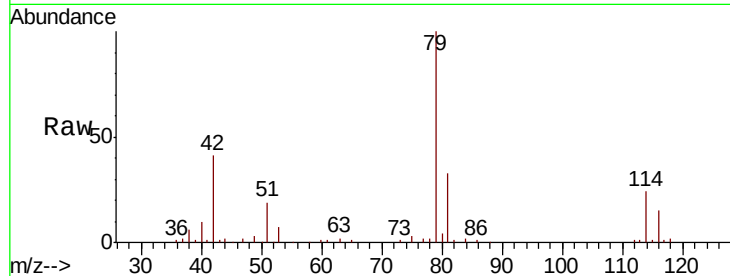
ClientSampleId :

Tot Ion: 75 Resp: 2581

Ion Ratio Lower Upper

75 100

77 56.2 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

1500

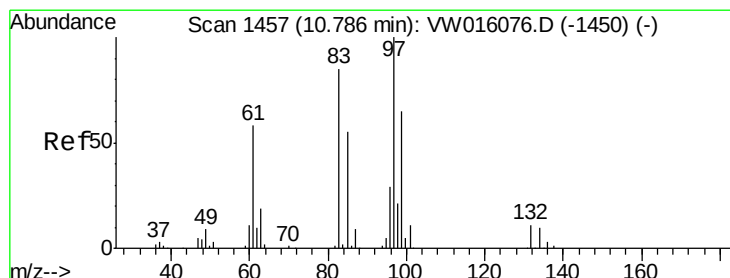
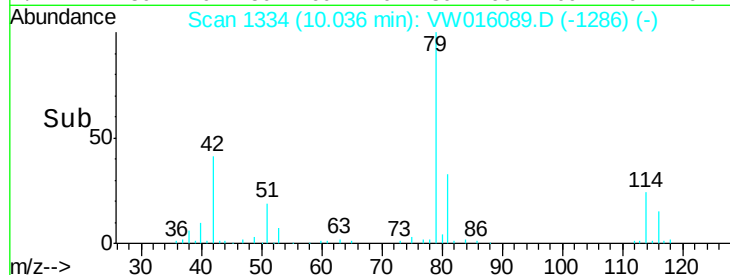
1000

500

0

10.00 10.05

Time-->



#46

1,1,2-Trichloroethane

Concen: 0.544 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.08 min

Lab File: VW016089.D

Acq: 07 Aug 2020 22:55

Tgt Ion: 97 Resp: 1781

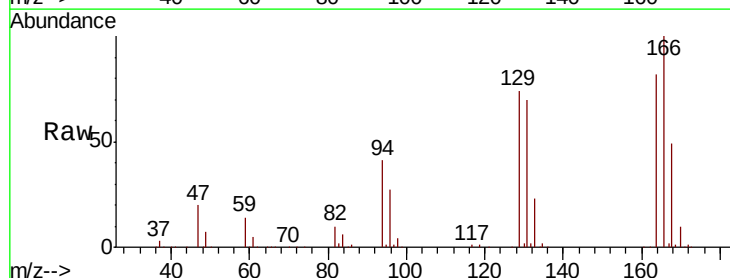
Ion Ratio Lower Upper

97 100

83 248.4 60.6 112.6#

85 40.7 38.9 72.2

99 16.7 43.1 80.1#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

4000

3000

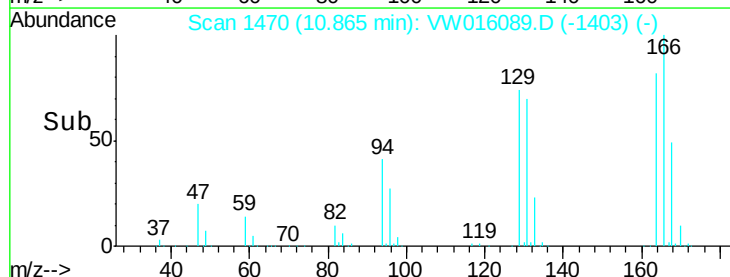
2000

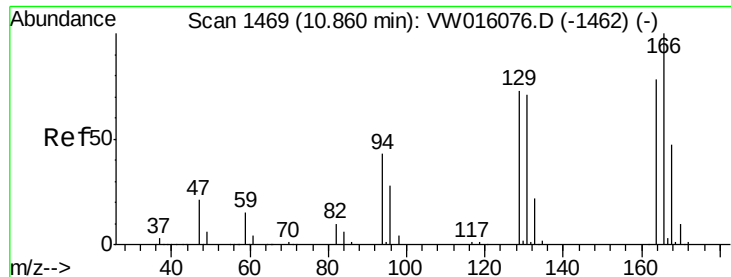
1000

0

10.80 10.85 10.90

Time-->

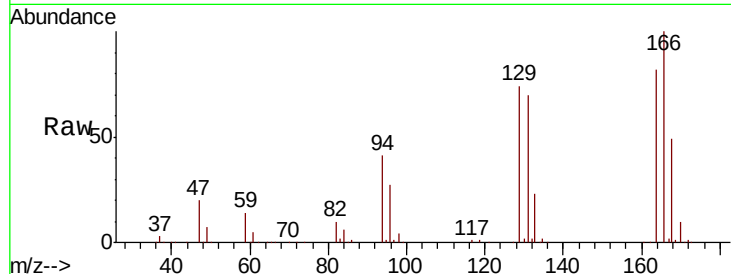




#47
Tetrachloroethene
Concen: 62.660 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW016089.D
Acq: 07 Aug 2020 22:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	90.5	70.0	130.0
131	85.8	67.3	124.9
166	122.7	88.5	164.3



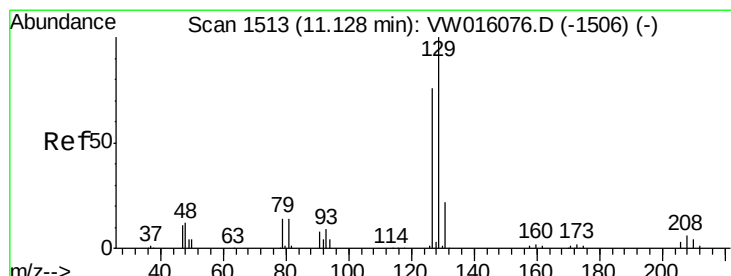
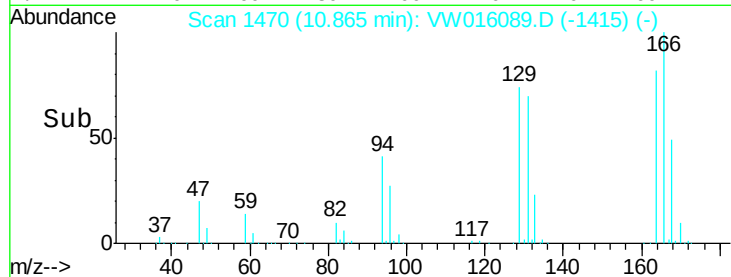
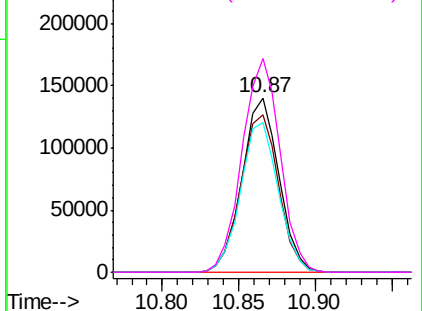
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

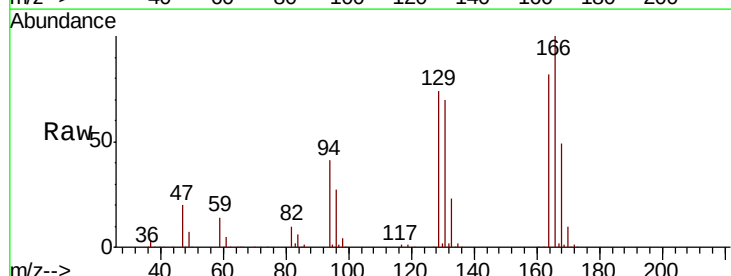
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50
Dibromochloromethane
Concen: 57.692 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW016089.D
Acq: 07 Aug 2020 22:55

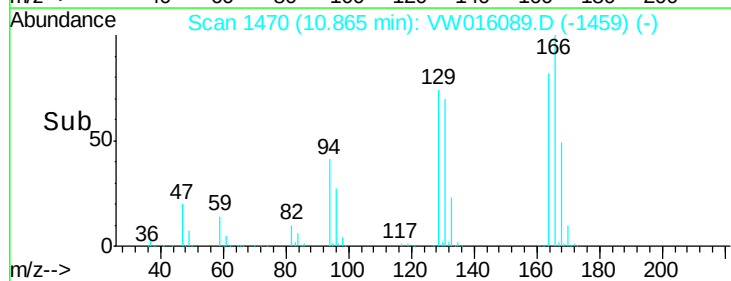
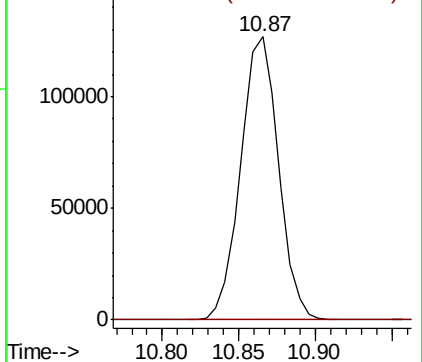
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	53.8	100.0#

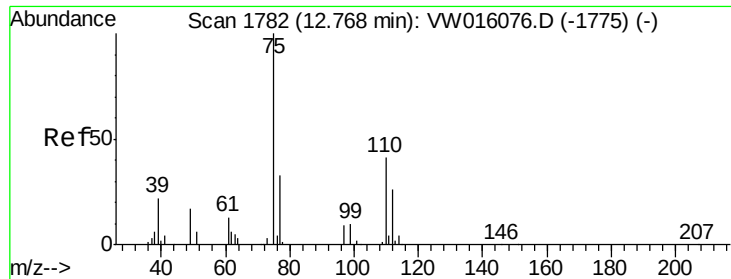


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.362 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016089.D

Acq: 07 Aug 2020 22:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 12560

Ion Ratio Lower Upper

75 100

77 37.4 26.0 39.0

