

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016221.D
 Acq On : 17 Aug 2020 16:23
 Operator : SY/VA
 Sample : L3702-14
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWP8

Quant Time: Aug 18 03:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	432457	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	396799	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	169891	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	97363	18.16	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.64%
7) Chloroethane-d5	2.89	69	76922	18.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.60%
10) 1,1-Dichloroethene-d2	4.01	63	167626	14.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.88%
20) 2-Butanone-d5	7.09	46	48905	34.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.32%
24) Chloroform-d	7.65	84	237501	20.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.84%
26) 1,2-Dichloroethane-d4	8.31	65	116482	18.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.60%
29) Benzene-d6	8.27	84	473465	21.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.72%
33) 1,2-Dichloropropane-d6	9.28	67	137635	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.72%
37) Toluene-d8	10.33	98	429133	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.72%
38) trans-1,3-Dichloropropene-	10.58	79	53929	18.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.60%
39) 2-Hexanone-d5	10.93	63	41199	37.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105223	20.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	146165	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

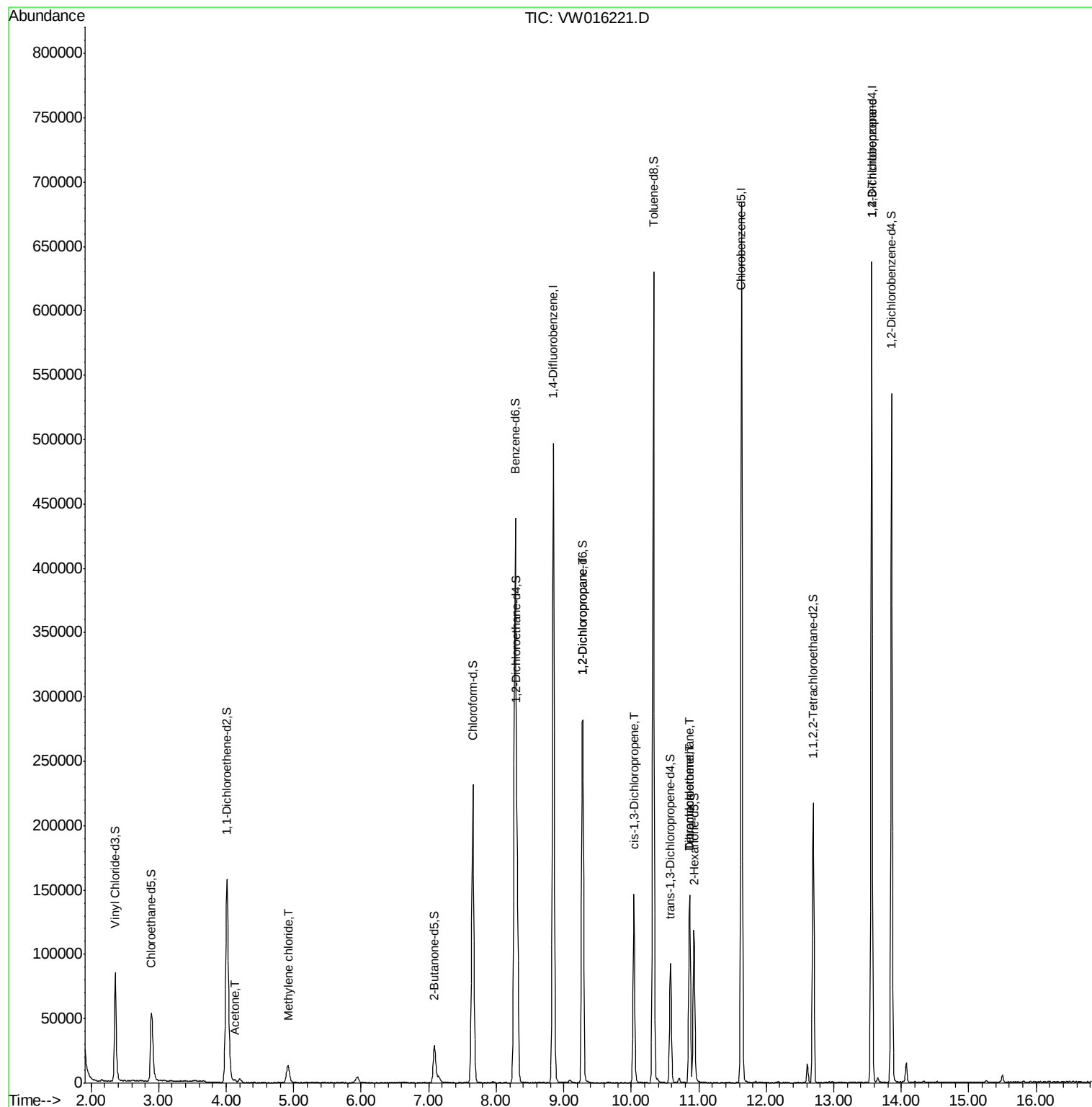
					Ovalue
13) Acetone	4.14	43	2937	2.752 ug/L	99
16) Methylene chloride	4.92	84	11576	1.695 ug/L	94
40) 1,2-Dichloropropane	9.28	63	14811	2.636 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	3727	0.436 ug/L #	74
47) Tetrachloroethene	10.87	164	33293	7.218 ug/L	99
50) Dibromochloromethane	10.87	129	33954	6.518 ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	20012	5.118 ug/L	94

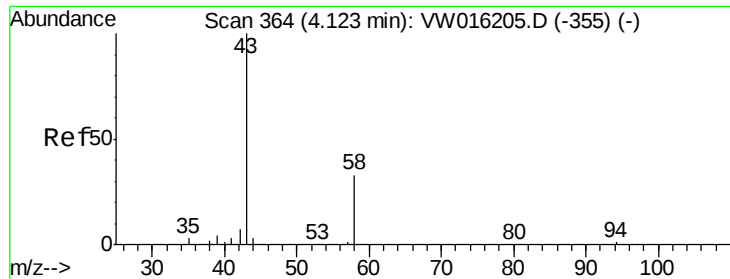
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.752 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016221.D

Acq: 17 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

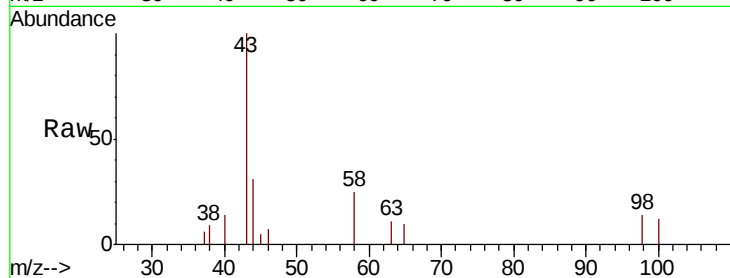
BFWP8

Tot Ion: 43 Resp: 2937

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1200

1000

800

600

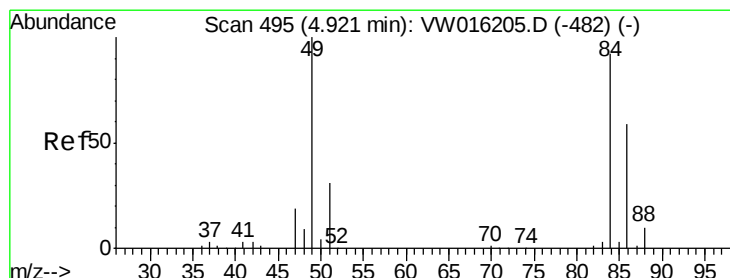
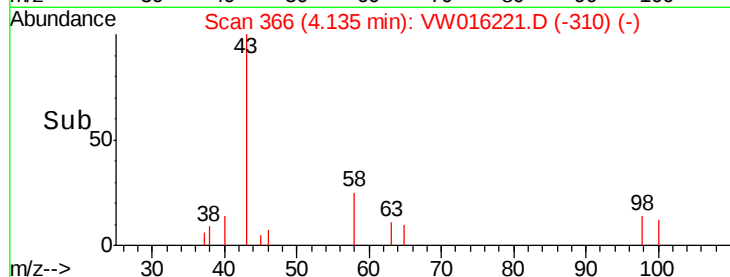
400

200

0

Time-->

4.05 4.10 4.15 4.20



#16

Methylene chloride

Concen: 1.695 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW016221.D

Acq: 17 Aug 2020 16:23

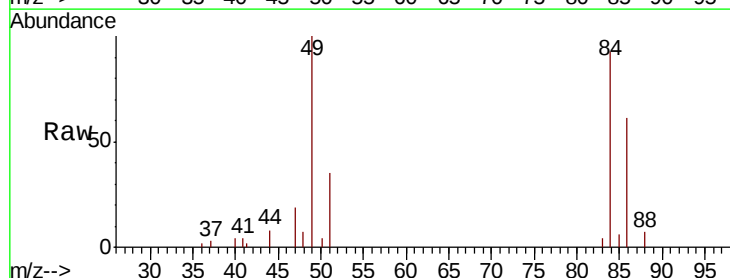
Tgt Ion: 84 Resp: 11576

Ion Ratio Lower Upper

84 100

49 107.3 80.4 149.4

86 65.9 43.8 81.3



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

4.92

5000

4000

3000

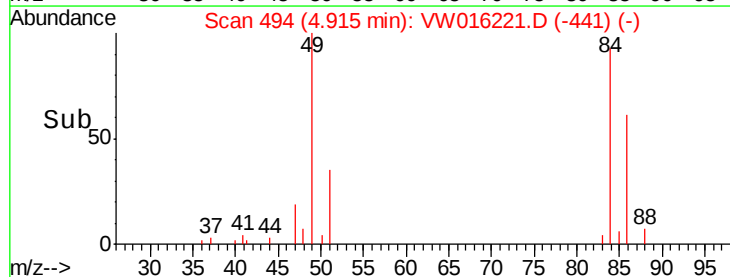
2000

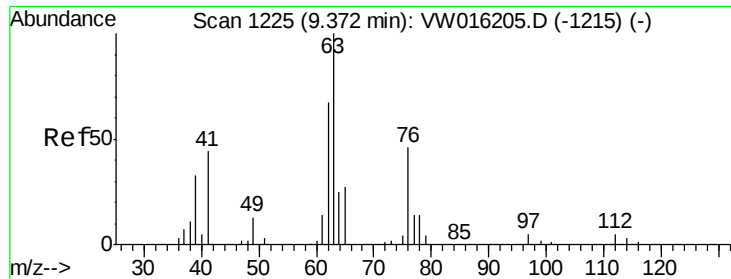
1000

0

Time-->

4.80 4.90 5.00

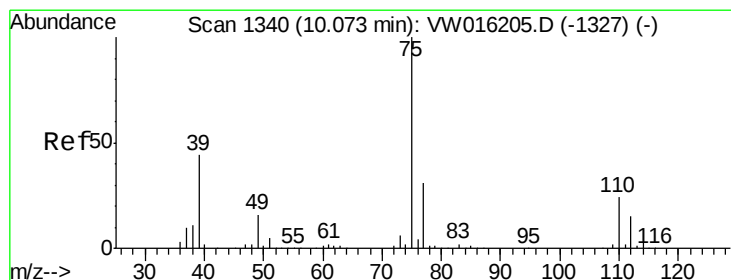
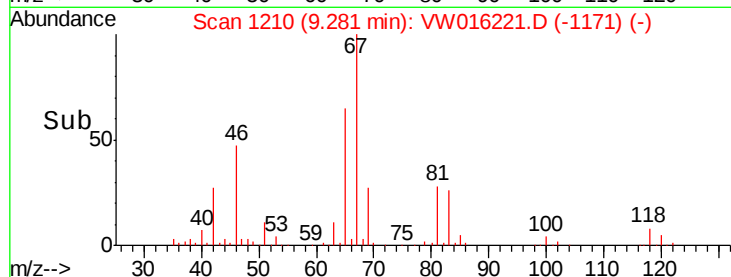
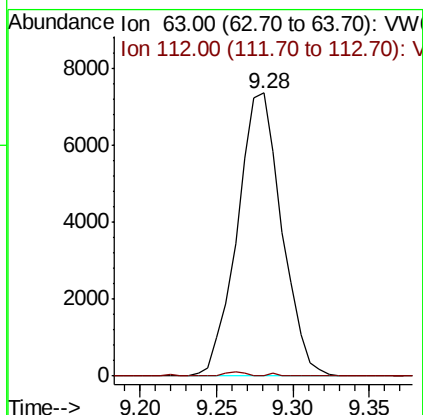
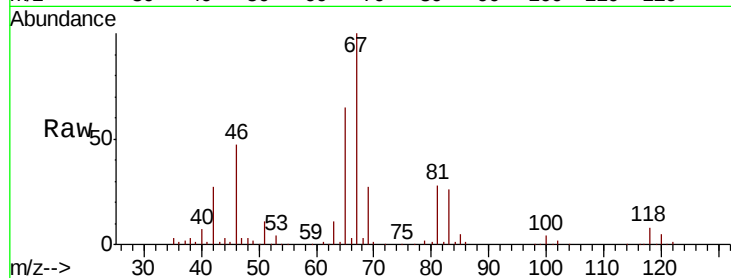




#40
 1,2-Dichloropropane
 Concen: 2.636 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016221.D
 Acq: 17 Aug 2020 16:23

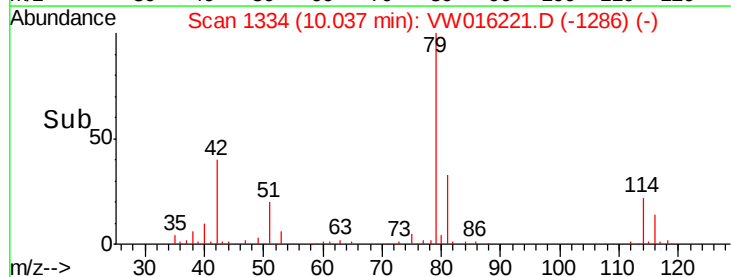
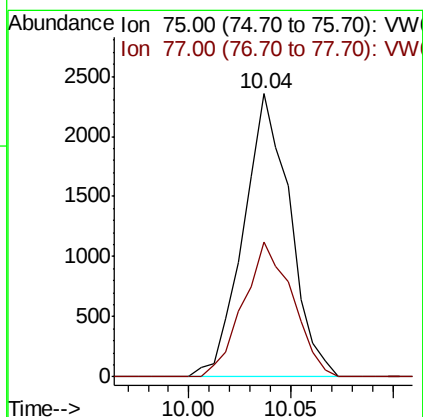
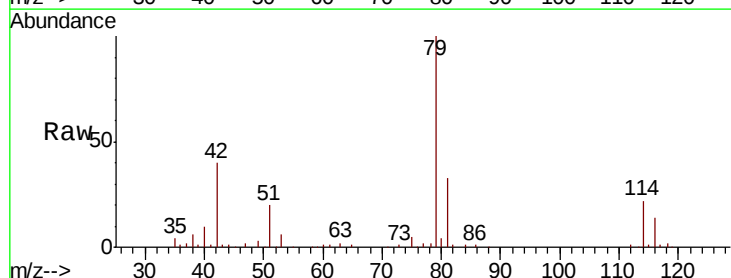
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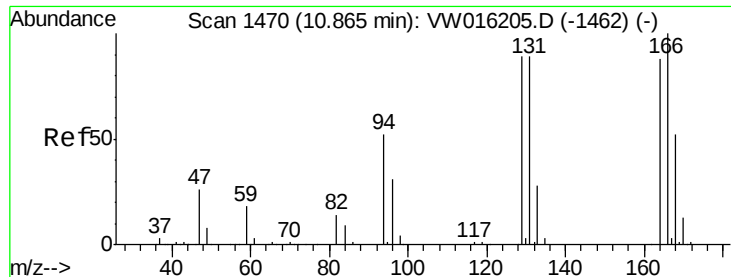
Tot Ion: 63 Resp: 14811
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.0 6.0#



#42
 cis-1,3-Dichloropropene
 Concen: 0.436 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016221.D
 Acq: 17 Aug 2020 16:23

Tgt Ion: 75 Resp: 3727
 Ion Ratio Lower Upper
 75 100
 77 47.5 22.9 42.5#





#47

Tetrachloroethene

Concen: 7.218 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016221.D

Acq: 17 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

BFWP8

Tot Ion:164 Resp: 33293

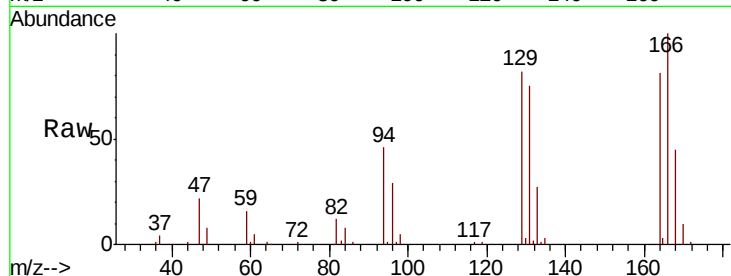
Ion Ratio Lower Upper

164 100

129 101.8 71.5 132.9

131 92.2 65.4 121.4

166 123.6 86.9 161.5

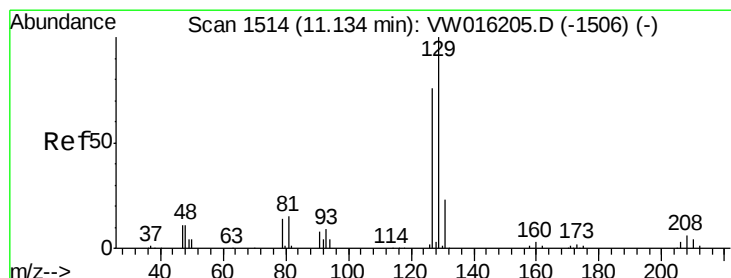
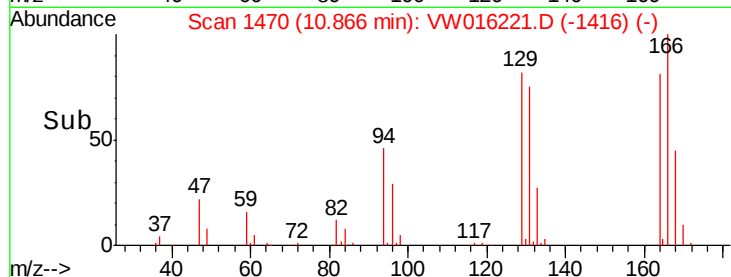
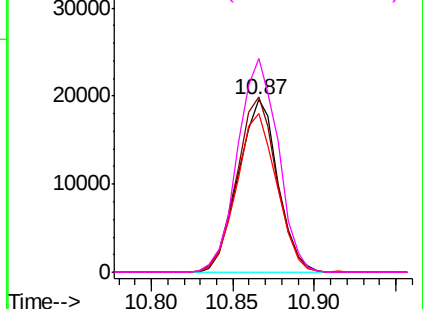


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.518 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016221.D

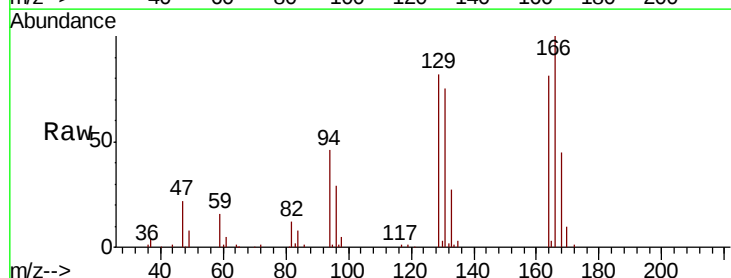
Acq: 17 Aug 2020 16:23

Tgt Ion:129 Resp: 33954

Ion Ratio Lower Upper

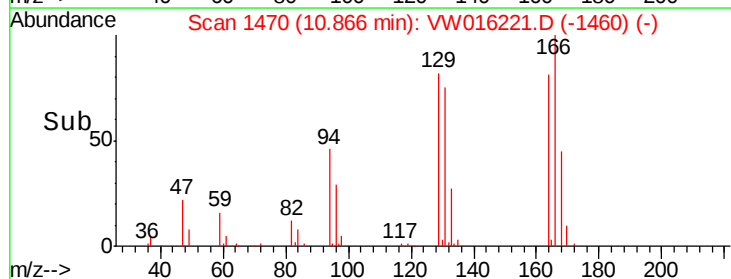
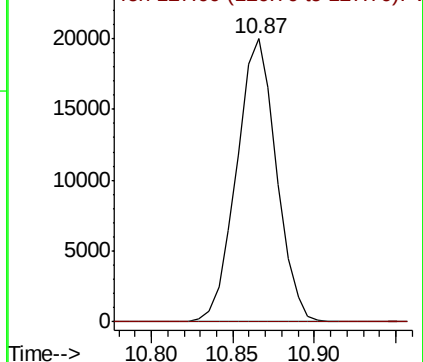
129 100

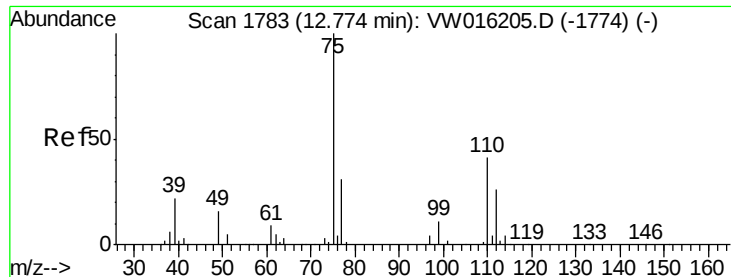
127 0.0 55.4 102.8#



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: 5.118 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016221.D

Acq: 17 Aug 2020 16:23

Instrument :

MSVOA_W

ClientSampleId :

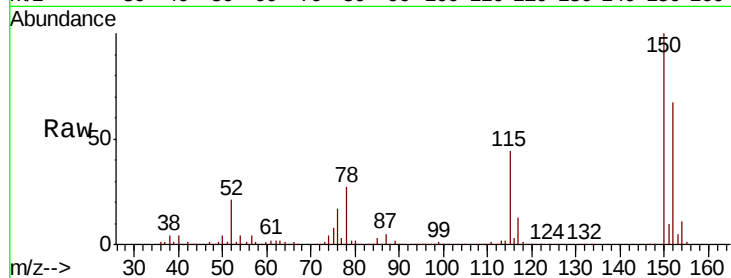
BFWP8

Tot Ion: 75 Resp: 20012

Ion Ratio Lower Upper

75 100

77 35.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

