

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016225.D
 Acq On : 17 Aug 2020 17:57
 Operator : SY/VA
 Sample : L3702-18
 Misc : 6.47G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ3

Quant Time: Aug 18 03:23:55 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	403899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345429	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	124096	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88095	17.59	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.36%
7) Chloroethane-d5	2.90	69	70018	18.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.68%
10) 1,1-Dichloroethene-d2	4.01	63	148888	14.00	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.00%
20) 2-Butanone-d5	7.08	46	48768	37.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.02%
24) Chloroform-d	7.65	84	219565	20.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.04%
26) 1,2-Dichloroethane-d4	8.31	65	110521	19.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.80%
29) Benzene-d6	8.28	84	420979	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
33) 1,2-Dichloropropane-d6	9.28	67	127873	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.56%
37) Toluene-d8	10.33	98	370951	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.08%
38) trans-1,3-Dichloropropene-	10.58	79	49897	20.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.36%
39) 2-Hexanone-d5	10.93	63	43188	45.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98722	21.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	102903	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

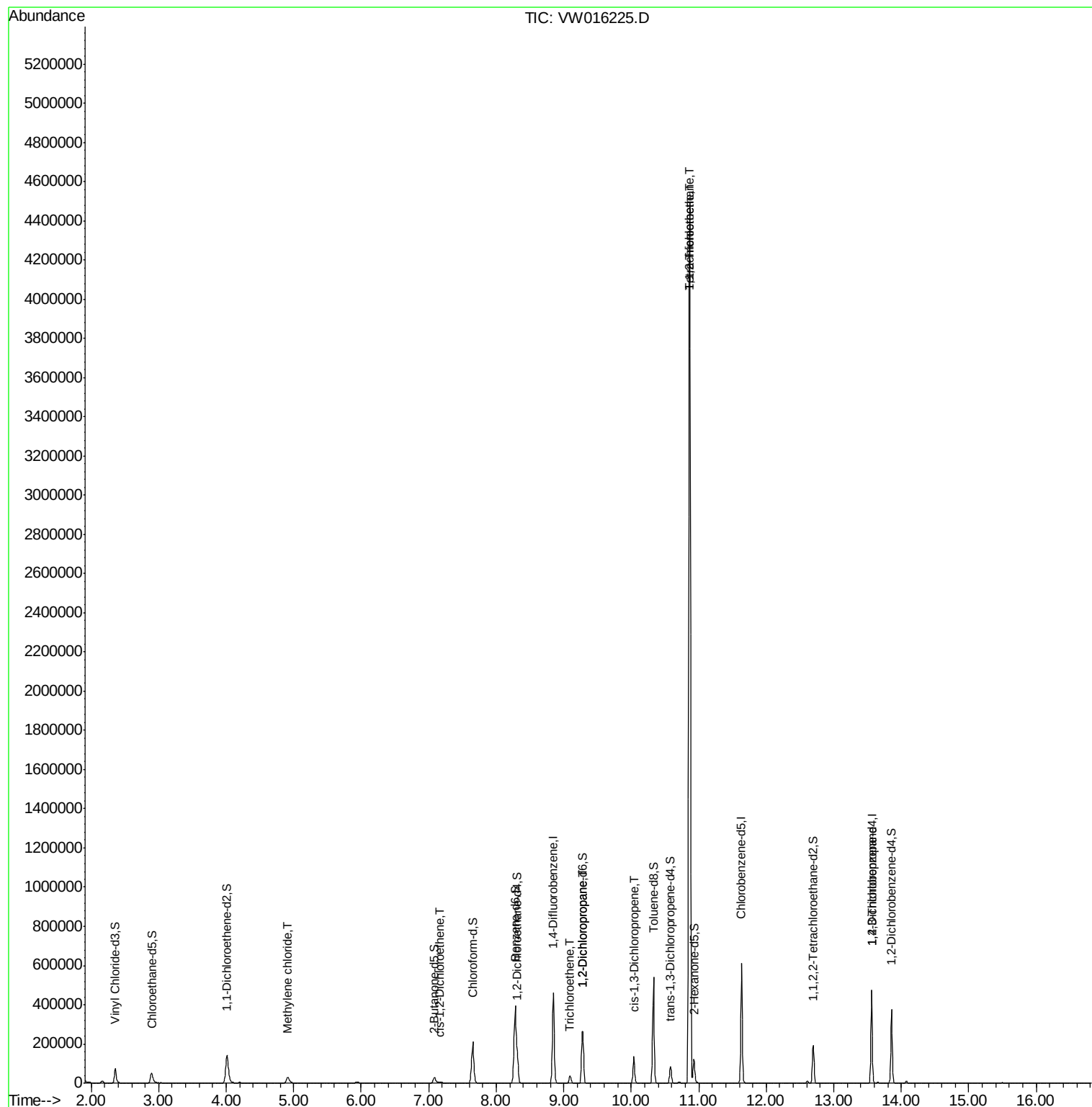
					Ovalue
16) Methylene chloride	4.92	84	25821	4.049 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	1926	0.335 ug/L	82
35) Trichloroethene	9.09	95	12491	2.332 ug/L	93
40) 1,2-Dichloropropane	9.27	63	13824	2.826 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	3309	0.444 ug/L #	74
46) 1,1,2-Trichloroethane	10.86	97	8752	2.273 ug/L #	1
47) Tetrachloroethene	10.87	164	1038502	258.628 ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	13934	4.094 ug/L	91

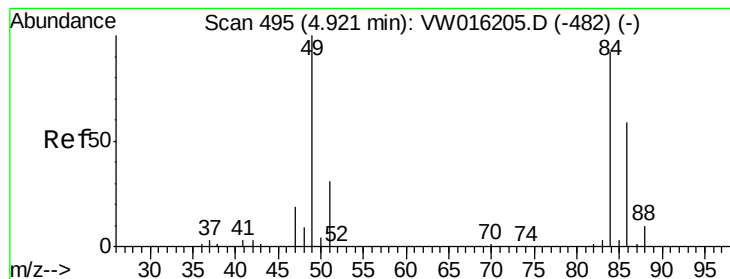
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 18 03:20:41 2020
Response via : Initial Calibration





#16

Methylene chloride

Concen: 4.049 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

Instrument :

MSVOA_W

ClientSampled :

BFWQ3

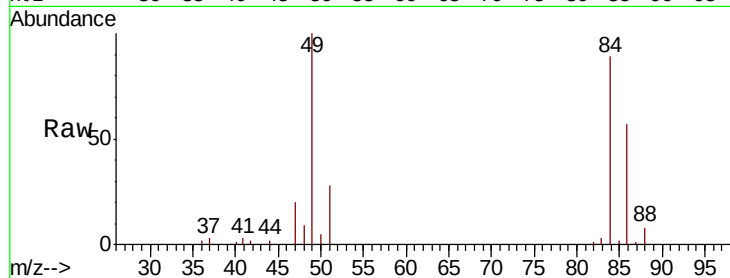
Tot Ion: 84 Resp: 25821

Ion Ratio Lower Upper

84 100

49 111.9 80.4 149.4

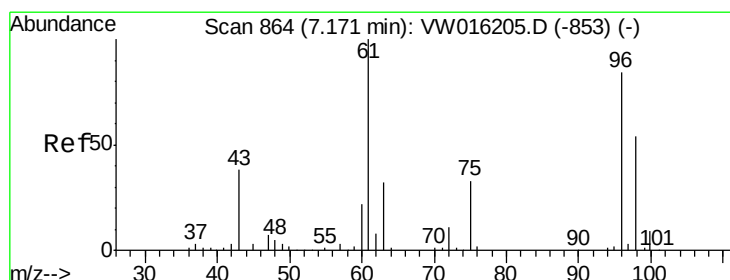
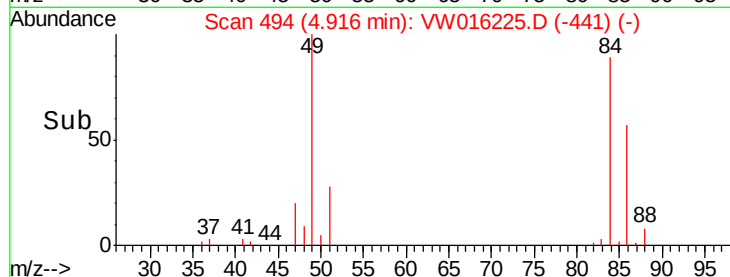
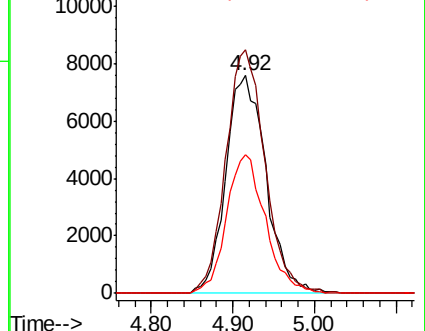
86 64.0 43.8 81.3



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



#22

cis-1,2-Dichloroethene

Concen: 0.335 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

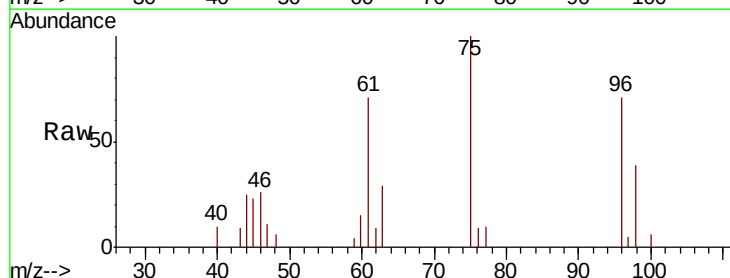
Tgt Ion: 96 Resp: 1926

Ion Ratio Lower Upper

96 100

61 99.0 87.0 161.6

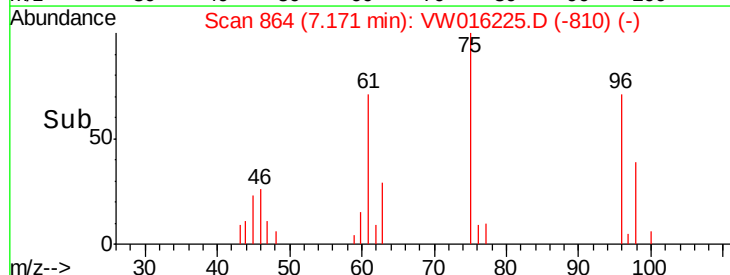
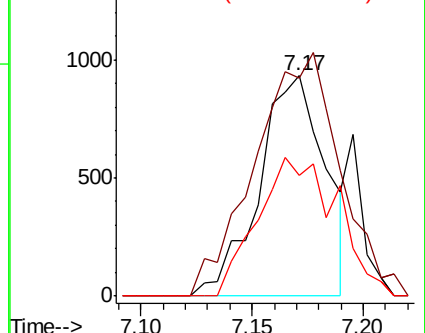
98 54.9 44.0 81.6

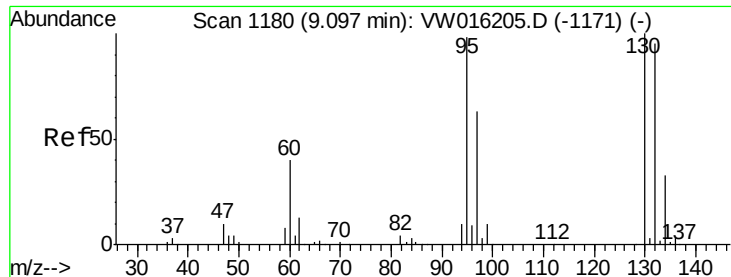


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 2.332 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

BFWQ3

Tot Ion: 95 Resp: 12491

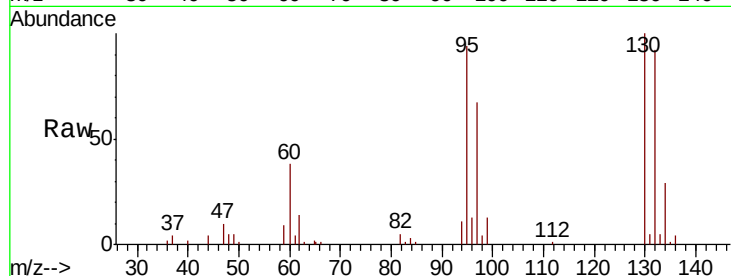
Ion Ratio Lower Upper

95 100

97 67.4 44.9 83.3

132 104.5 65.8 122.2

130 103.6 69.5 129.1

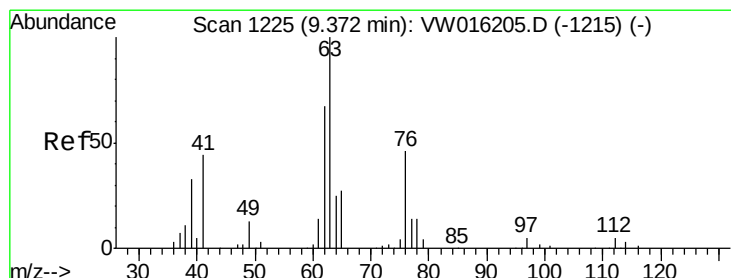
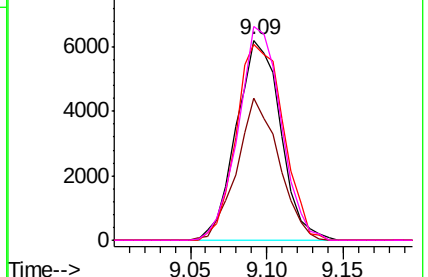
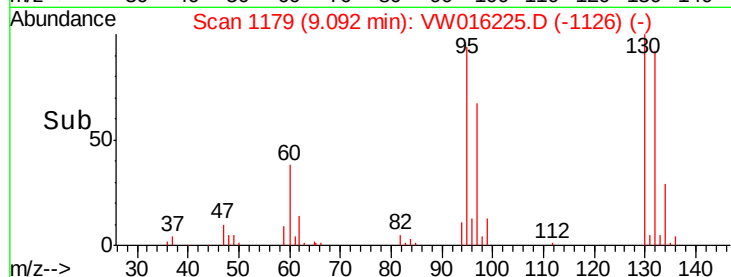


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 2.826 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016225.D

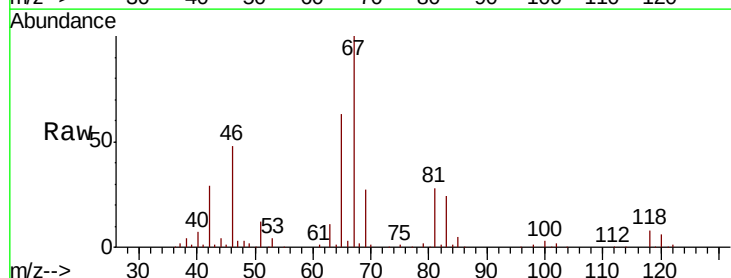
Acq: 17 Aug 2020 17:57

Tgt Ion: 63 Resp: 13824

Ion Ratio Lower Upper

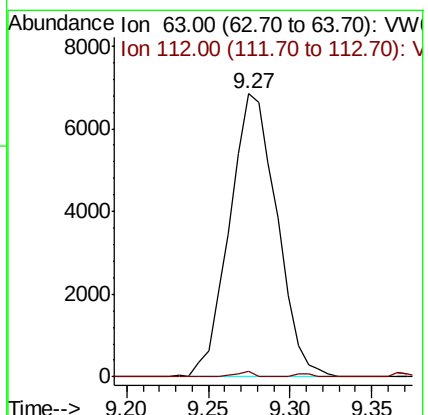
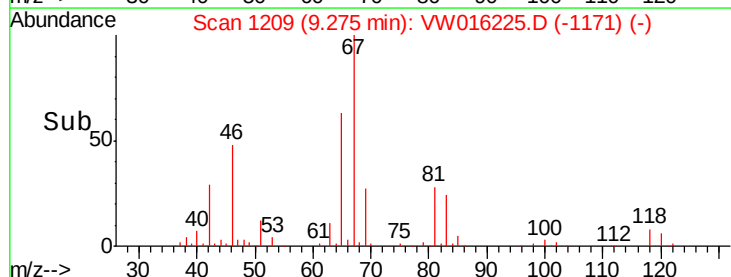
63 100

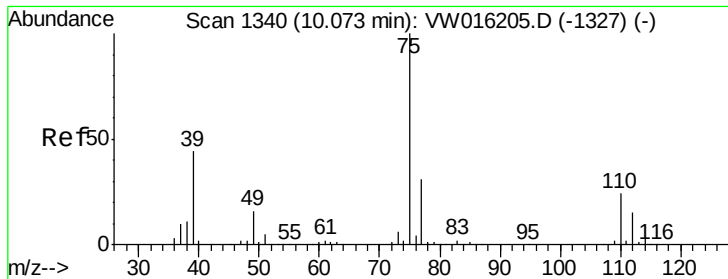
112 0.7 4.0 6.0#



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: 0.444 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

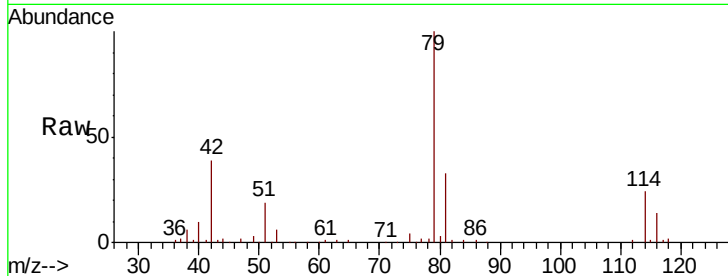
BFWQ3

Tot Ion: 75 Resp: 3309

Ion Ratio Lower Upper

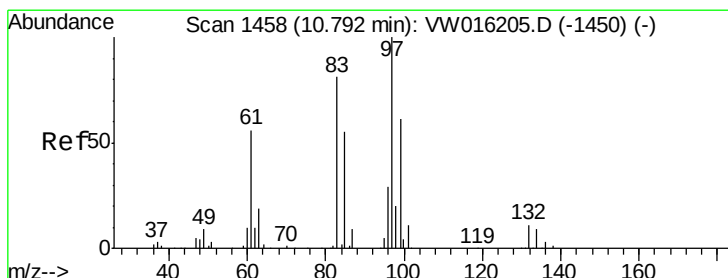
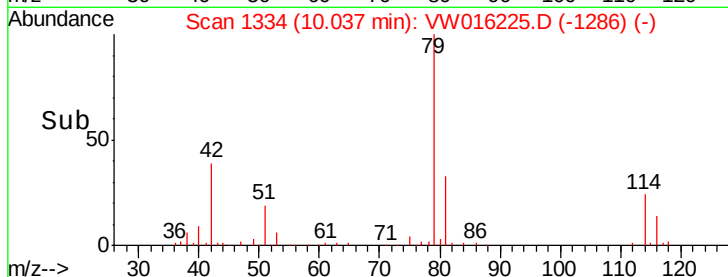
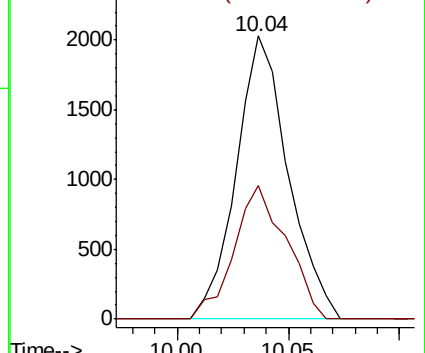
75 100

77 47.2 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 2.273 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

Tgt Ion: 97 Resp: 8752

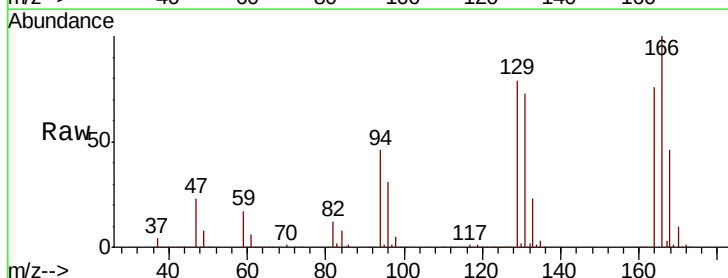
Ion Ratio Lower Upper

97 100

83 262.1 57.8 107.4#

85 39.7 38.0 70.6

99 15.5 44.4 82.4#

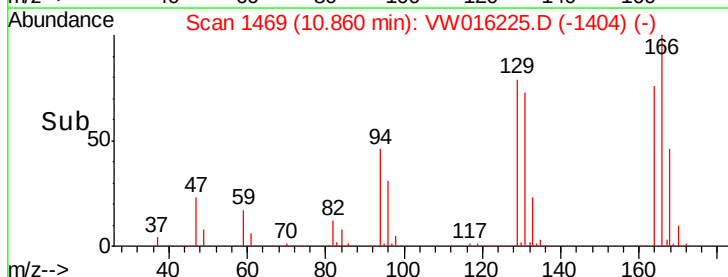
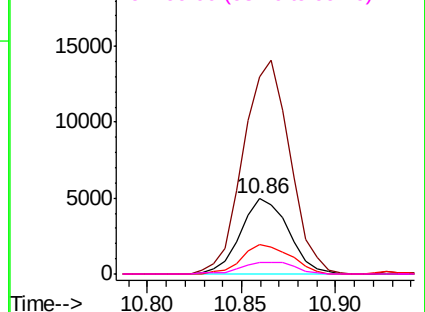


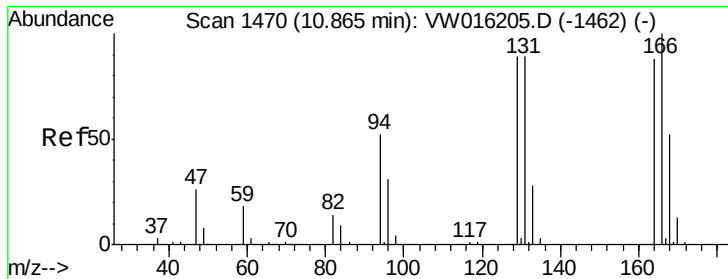
Abundance Ion 97.00 (96.70 to 97.70): VW

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





#47

Tetrachloroethene

Concen: 258.628 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016225.D

Acq: 17 Aug 2020 17:57

Instrument :

MSVOA_W

ClientSampleId :

BFWQ3

Tot Ion:164 Resp: 1038502

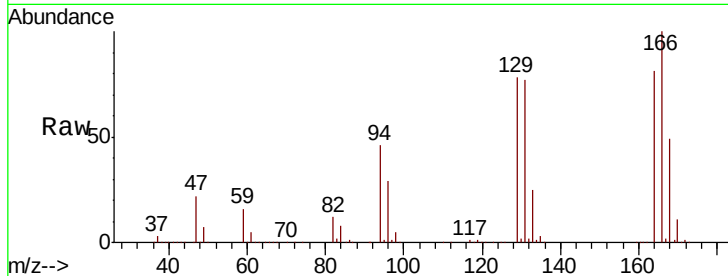
Ion Ratio Lower Upper

164 100

129 96.3 71.5 132.9

131 95.1 65.4 121.4

166 123.5 86.9 161.5

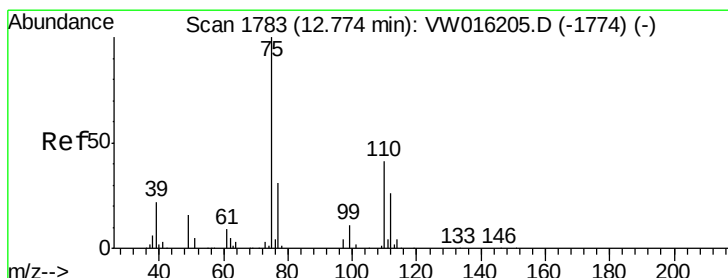
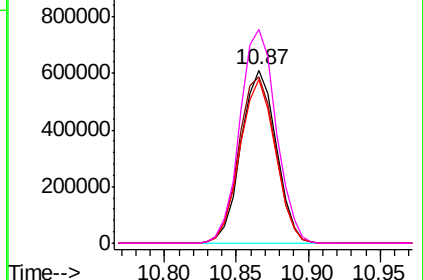
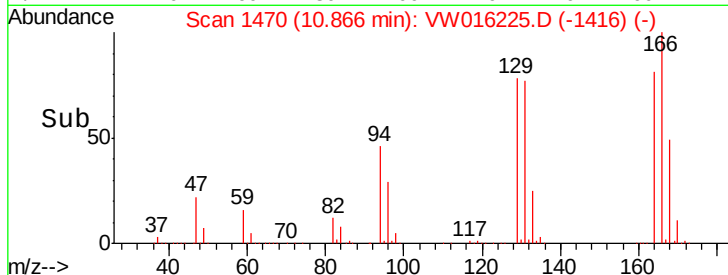


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.094 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016225.D

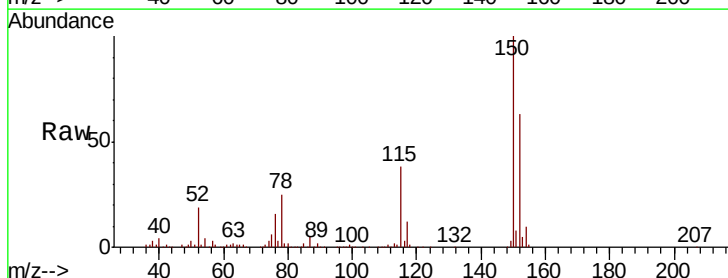
Acq: 17 Aug 2020 17:57

Tgt Ion: 75 Resp: 13934

Ion Ratio Lower Upper

75 100

77 37.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

