

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101920\
 Data File : VW016941.D
 Acq On : 19 Oct 2020 15:07
 Operator : SY/VA
 Sample : L4426-09
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VHBLK02

Quant Time: Oct 20 08:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	532584	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	479719	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228141	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	115504	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
7) Chloroethane-d5	2.89	69	100663	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	4.02	63	192091	17.22	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.88%
20) 2-Butanone-d5	7.09	46	62475	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
24) Chloroform-d	7.65	84	296050	26.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	8.31	65	142414	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.96%
29) Benzene-d6	8.27	84	572381	26.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.08%
33) 1,2-Dichloropropane-d6	9.27	67	163585	27.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.76%
37) Toluene-d8	10.32	98	530126	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.16%
38) trans-1,3-Dichloropropene-	10.58	79	66057	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.32%
39) 2-Hexanone-d5	10.93	63	52355	57.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132133	27.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	200548	27.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.84%

Target Compounds

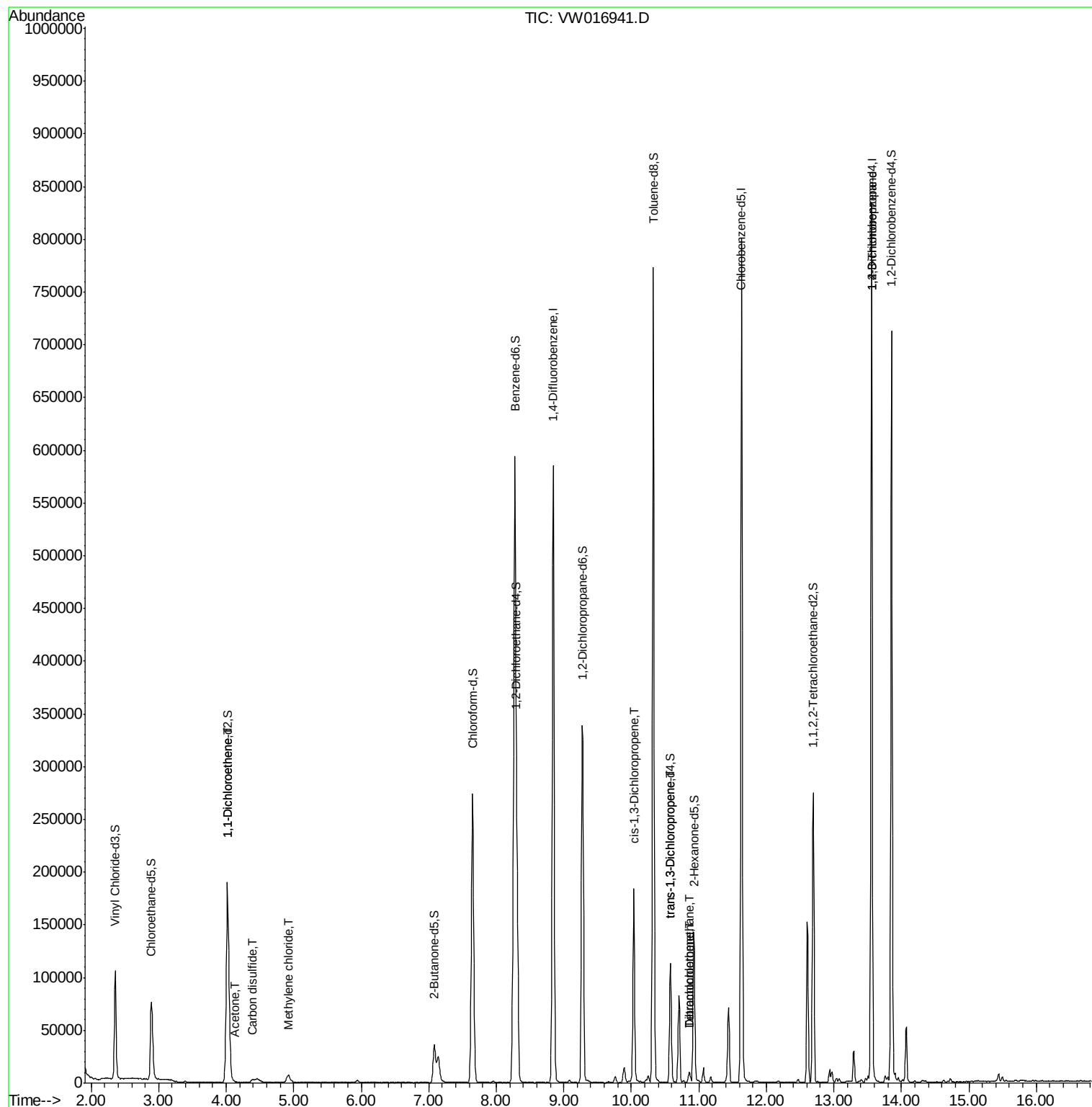
					Ovalue
12) 1,1-Dichloroethene	4.02	96	1878	0.273 ug/L #	1
13) Acetone	4.13	43	361	0.401 ug/L	61
14) Carbon disulfide	4.39	76	6731	0.341 ug/L	97
16) Methylene chloride	4.92	84	6757	0.919 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	5165	0.556 ug/L #	66
45) trans-1,3-Dichloropropene	10.58	75	2872	0.367 ug/L	94
47) Tetrachloroethene	10.86	164	2129	0.315 ug/L	92
50) Dibromochloromethane	10.87	129	1891	0.321 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	23702	6.252 ug/L	95

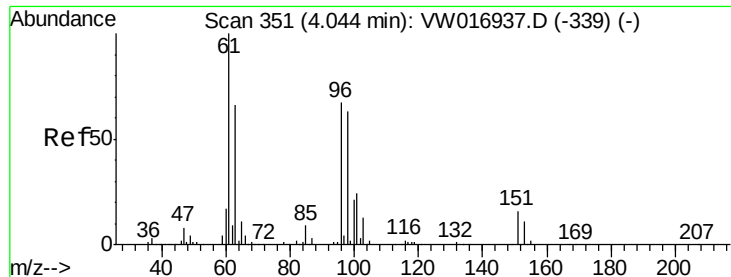
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.273 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

Instrument :

MSVOA_W

ClientSampled :

VHBLK02

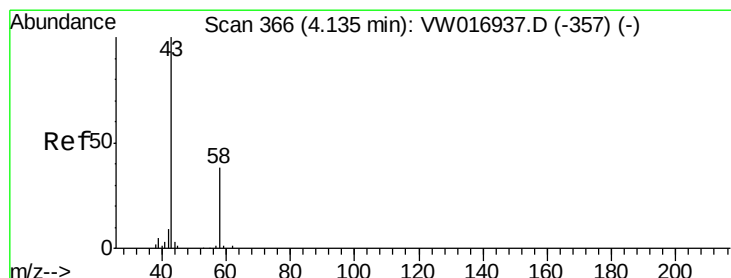
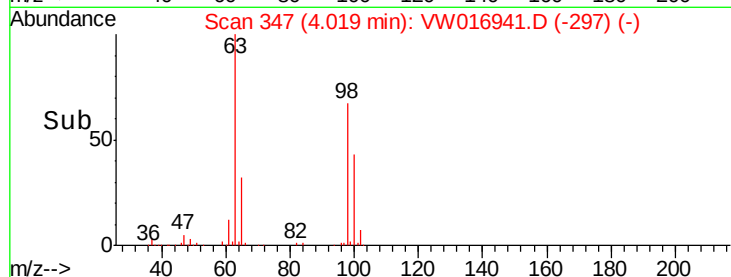
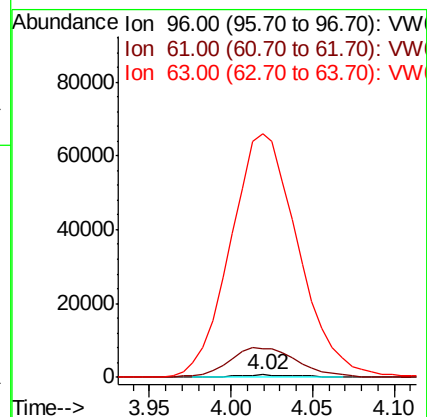
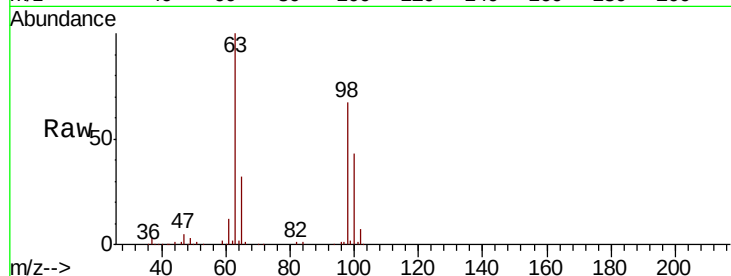
Tot Ion: 96 Resp: 1878

Ion Ratio Lower Upper

96 100

61 1152.8 105.1 195.1#

63 9669.2 69.9 129.7#



#13

Acetone

Concen: 0.401 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016941.D

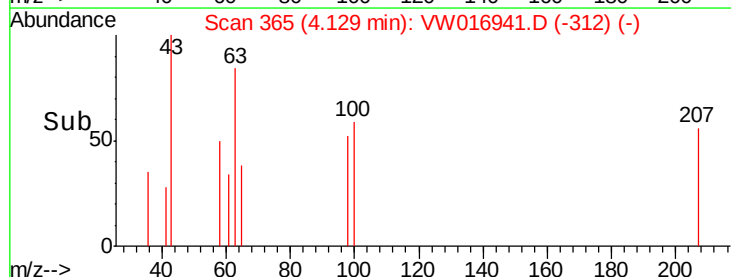
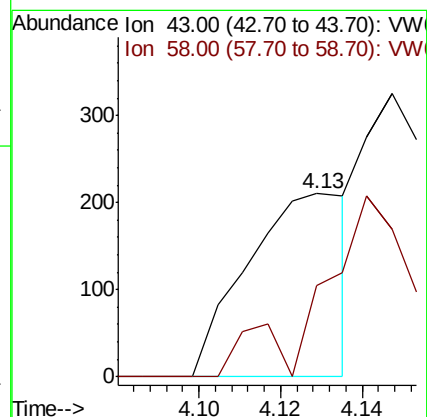
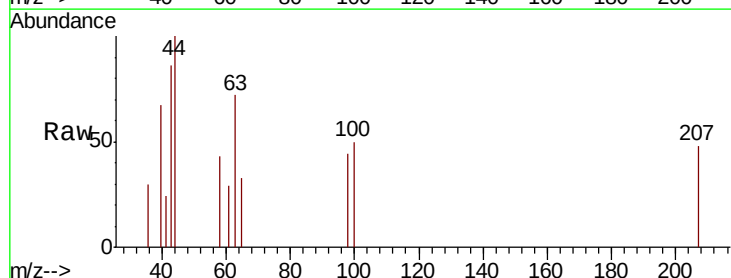
Acq: 19 Oct 2020 15:07

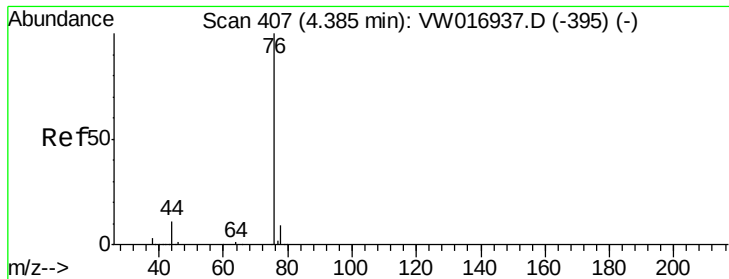
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 11.4 0.0 67.6





#14

Carbon disulfide

Concen: 0.341 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

Instrument :

MSVOA_W

ClientSampled :

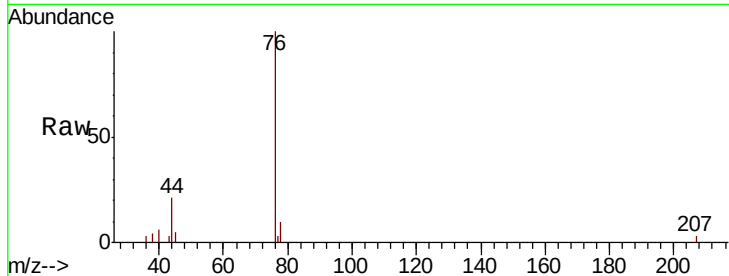
VHBLK02

Tot Ion: 76 Resp: 6731

Ion Ratio Lower Upper

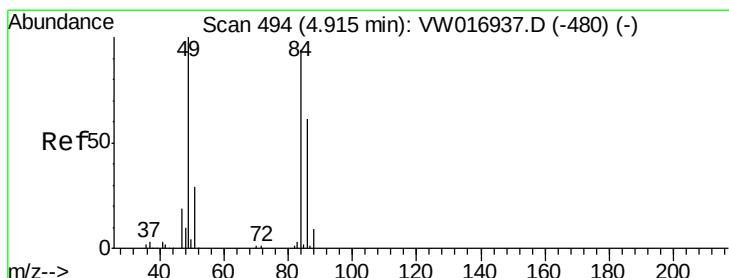
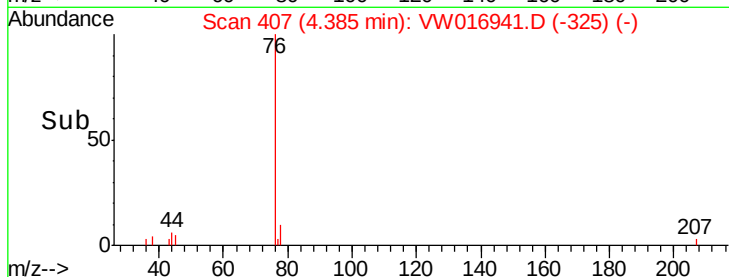
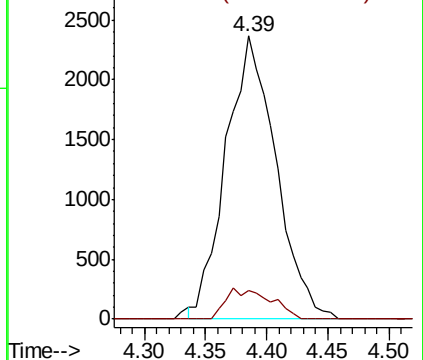
76 100

78 10.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 0.919 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

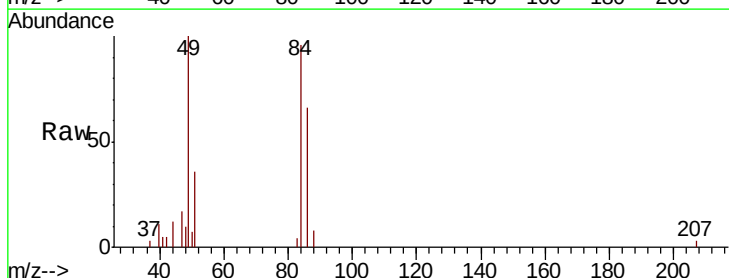
Tgt Ion: 84 Resp: 6757

Ion Ratio Lower Upper

84 100

49 104.7 73.1 135.8

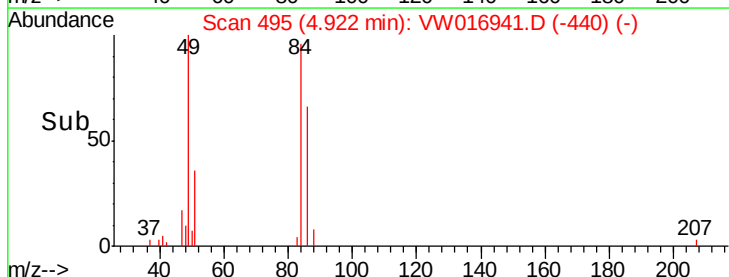
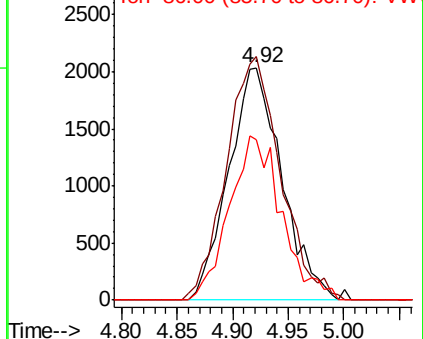
86 69.0 46.0 85.4

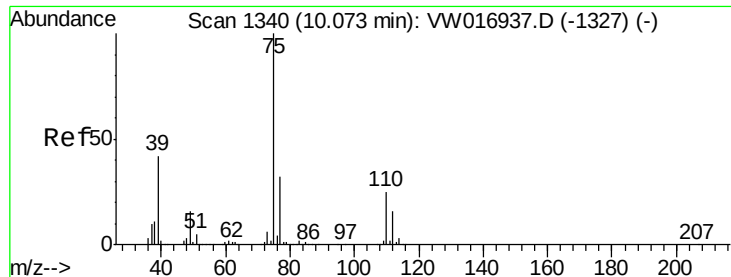


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.556 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

Instrument :

MSVOA_W

ClientSampled :

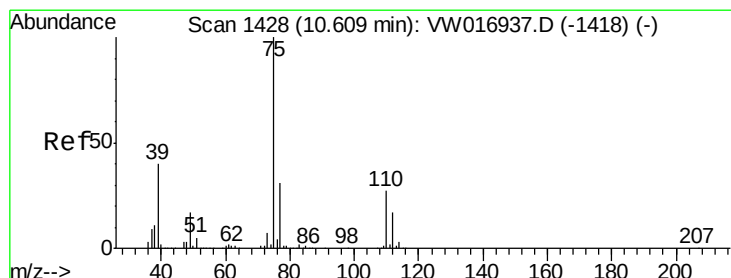
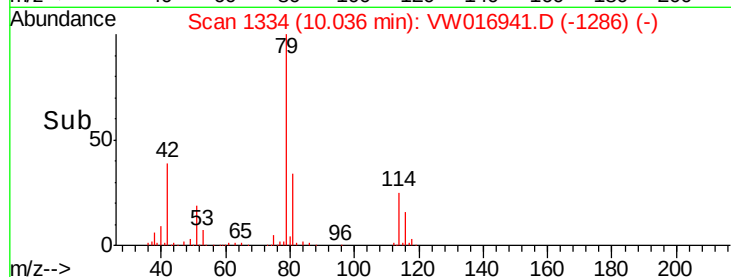
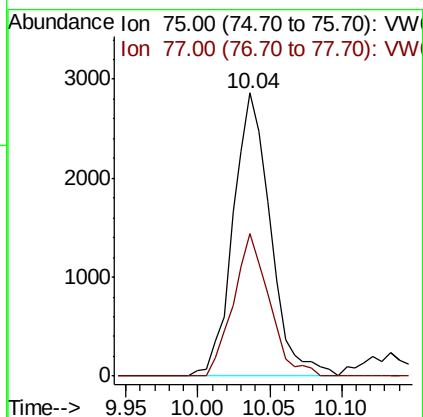
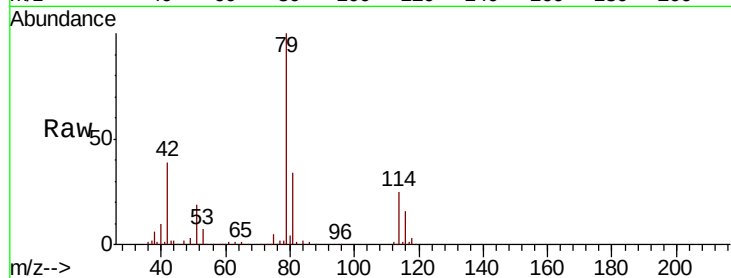
VHBLK02

Tot Ion: 75 Resp: 5165

Ion Ratio Lower Upper

75 100

77 50.2 22.1 41.1#



#45

trans-1,3-Dichloropropene

Concen: 0.367 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016941.D

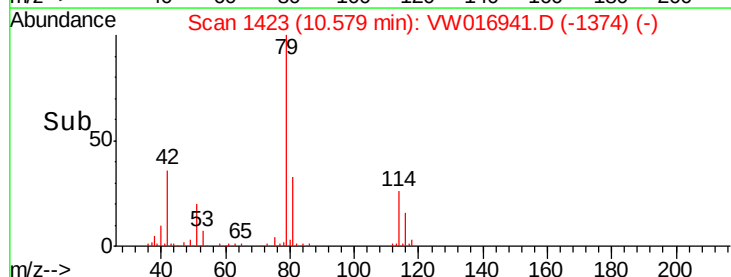
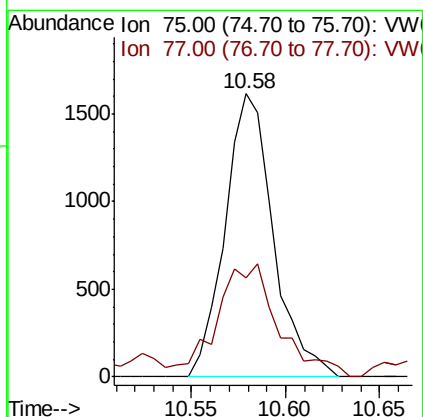
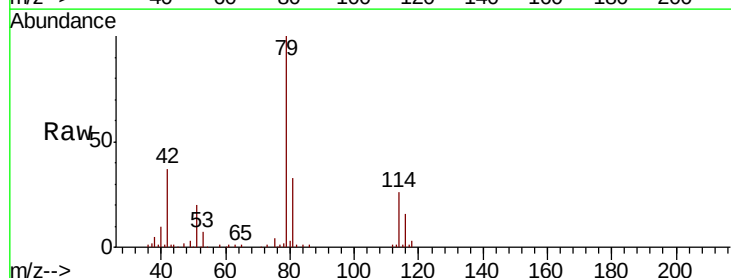
Acq: 19 Oct 2020 15:07

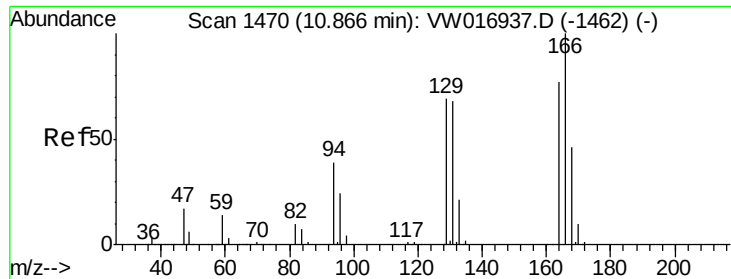
Tgt Ion: 75 Resp: 2872

Ion Ratio Lower Upper

75 100

77 34.9 22.2 41.2





#47

Tetrachloroethene

Concen: 0.315 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VHBLK02

Tot Ion:164 Resp: 2129

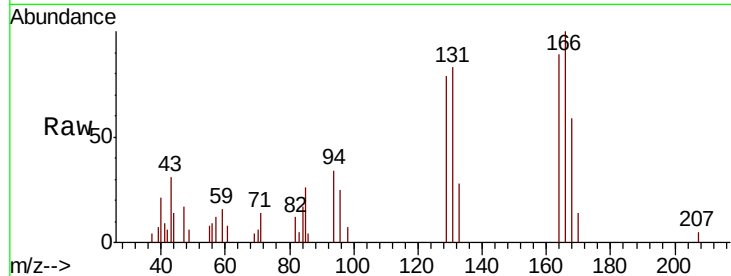
Ion Ratio Lower Upper

164 100

129 88.9 61.7 114.7

131 93.8 59.7 110.9

166 112.9 88.3 164.1

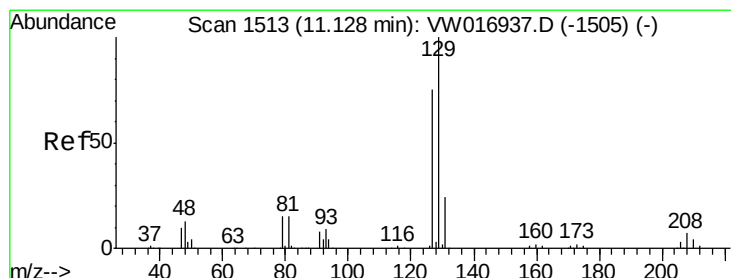
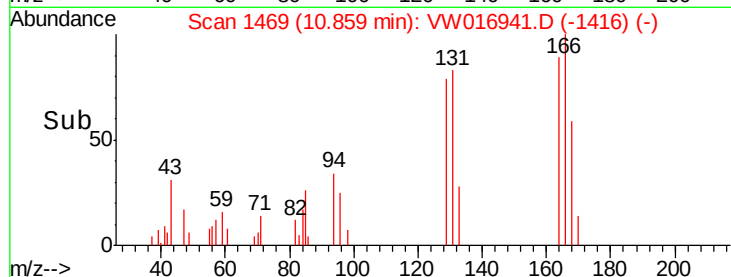
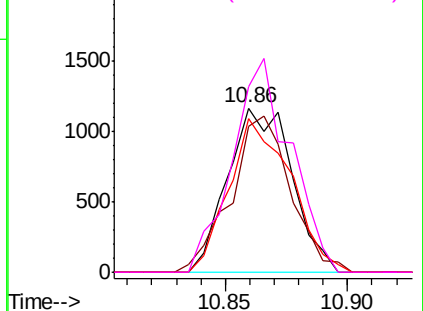


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 0.321 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016941.D

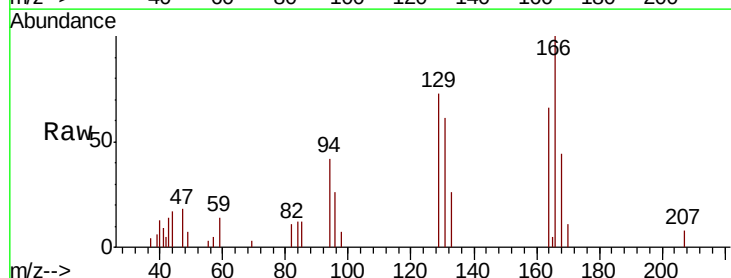
Acq: 19 Oct 2020 15:07

Tgt Ion:129 Resp: 1891

Ion Ratio Lower Upper

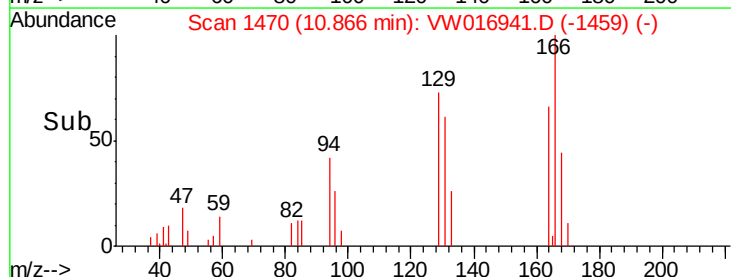
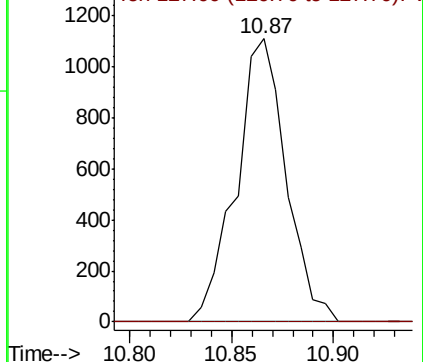
129 100

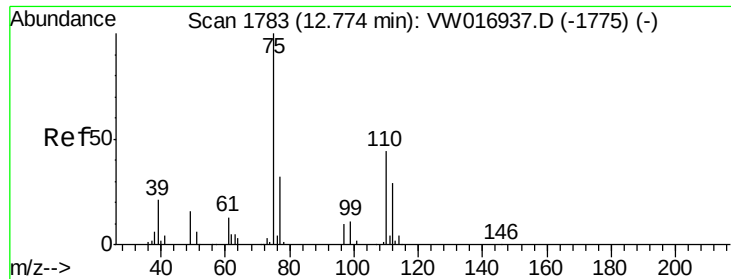
127 0.0 54.0 100.4#



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: 6.252 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016941.D

Acq: 19 Oct 2020 15:07

Instrument :

MSVOA_W

ClientSampleId :

VHBLK02

Tot Ion: 75 Resp: 23702

Ion Ratio Lower Upper

75 100

77 35.7 26.2 39.2

