

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016914.D
 Acq On : 15 Oct 2020 16:09
 Operator : SY/VA
 Sample : L4421-18
 Misc : 5.55G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG1A4

Quant Time: Oct 16 08:15:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	588265	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	521213	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134019	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.36%
7) Chloroethane-d5	2.89	69	115911	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.24%
10) 1,1-Dichloroethene-d2	4.02	63	205934	16.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.84%
20) 2-Butanone-d5	7.09	46	60323	45.89	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
24) Chloroform-d	7.65	84	304355	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.31	65	151788	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.28%
29) Benzene-d6	8.27	84	621385	26.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.00%
33) 1,2-Dichloropropane-d6	9.27	67	170032	26.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.92%
37) Toluene-d8	10.33	98	569368	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.96%
38) trans-1,3-Dichloropropene-	10.58	79	65685	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.93	63	51021	51.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128830	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	195617	26.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.96%

Target Compounds

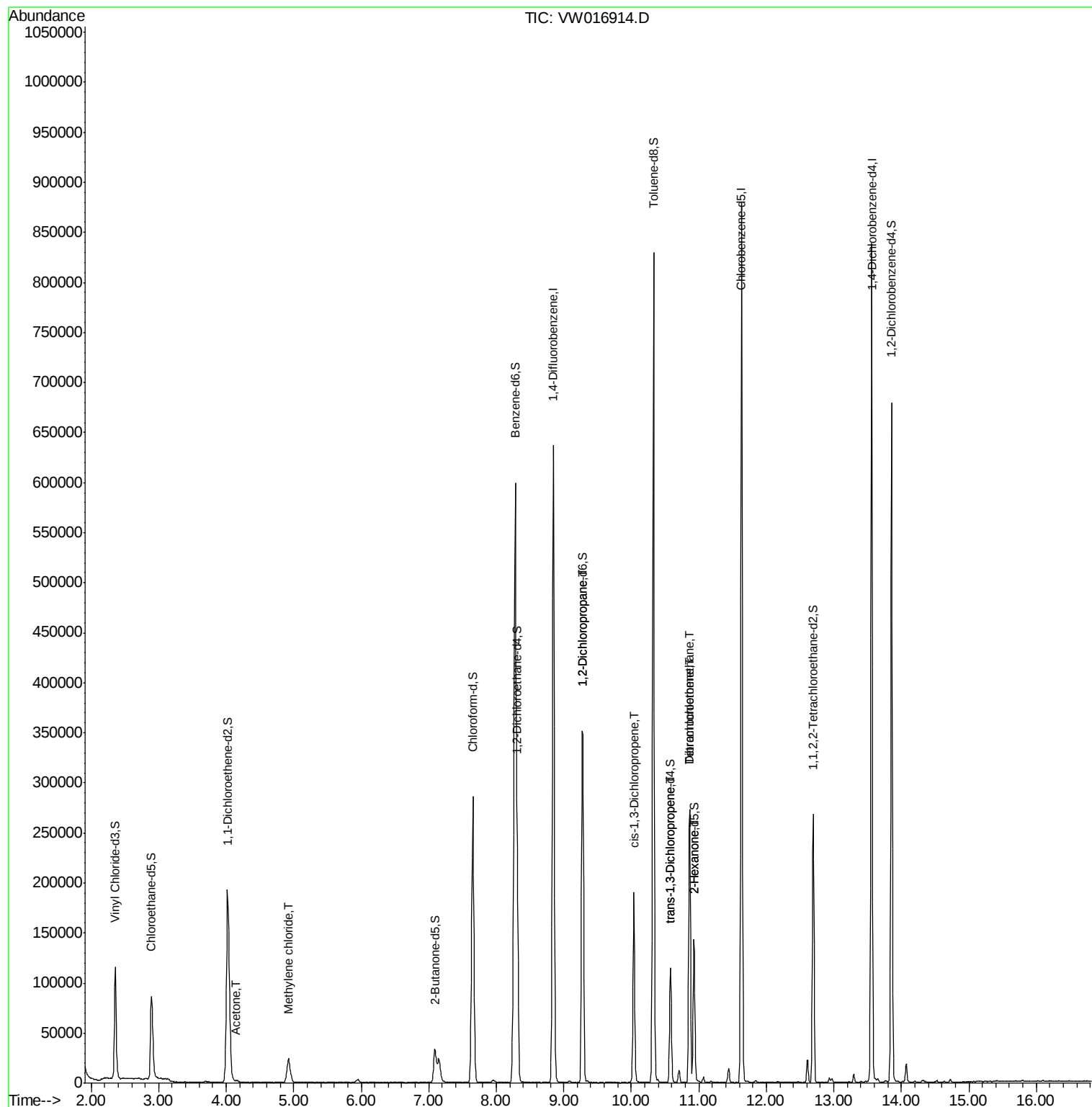
					Ovalue
13) Acetone	4.15	43	1846	1.856 ug/L	50
16) Methylene chloride	4.92	84	22204	2.735 ug/L	95
40) 1,2-Dichloropropane	9.27	63	18888	2.984 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	5087	0.504 ug/L	86
45) trans-1,3-Dichloropropene	10.58	75	3166	0.373 ug/L	94
47) Tetrachloroethene	10.87	164	68499	9.332 ug/L	98
49) 2-Hexanone	10.93	43	5996	2.851 ug/L #	62
50) Dibromochloromethane	10.87	129	60055	9.389 ug/L #	11

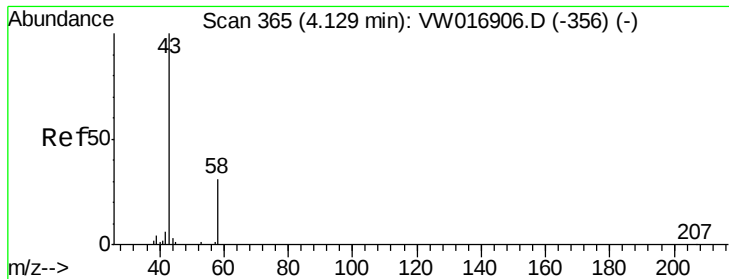
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 08:07:29 2020
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#13

Acetone

Concen: 1.856 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW016914.D

Acq: 15 Oct 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

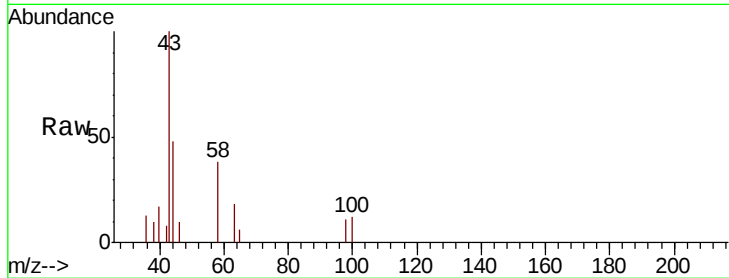
BG1A4

Tot Ion: 43 Resp: 1846

Ion Ratio Lower Upper

43 100

58 62.5 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1200

1000

800

600

400

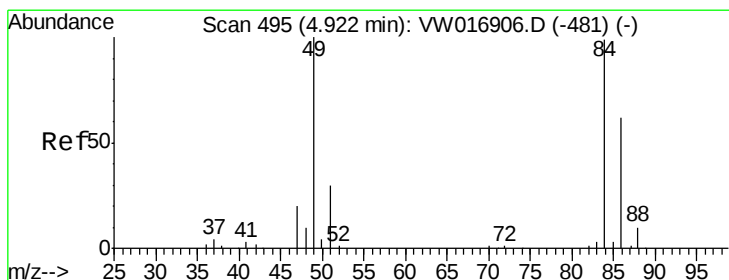
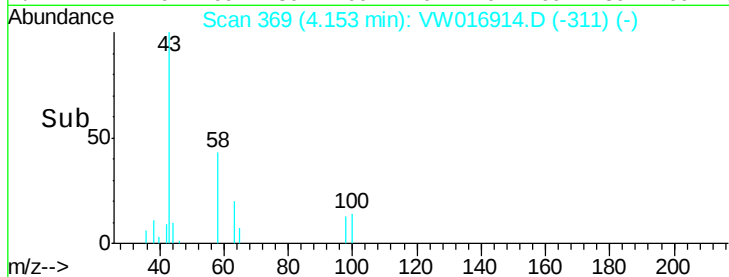
200

0

4.10

4.15

Time-->



#16

Methylene chloride

Concen: 2.735 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016914.D

Acq: 15 Oct 2020 16:09

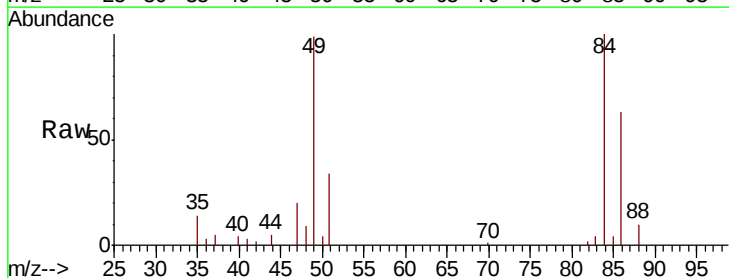
Tgt Ion: 84 Resp: 22204

Ion Ratio Lower Upper

84 100

49 99.2 73.1 135.8

86 62.7 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

8000

6000

4000

2000

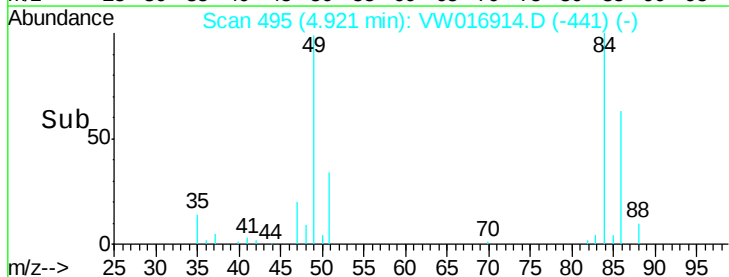
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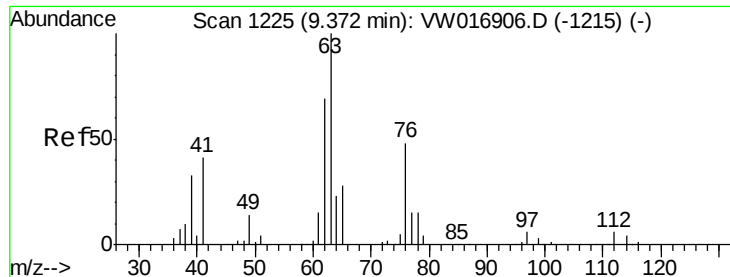
4.80

4.90

5.00

Time-->

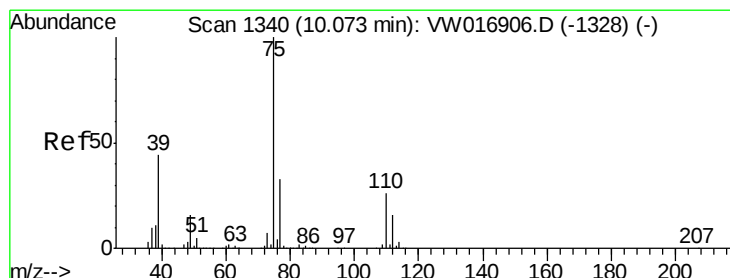
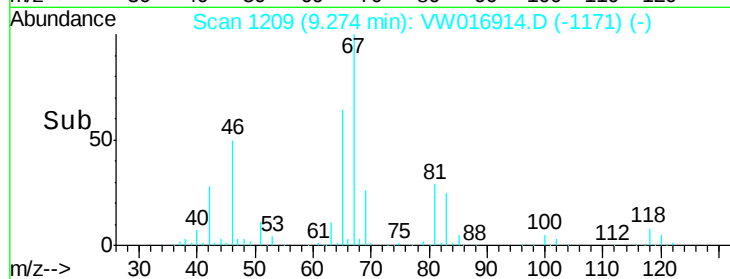
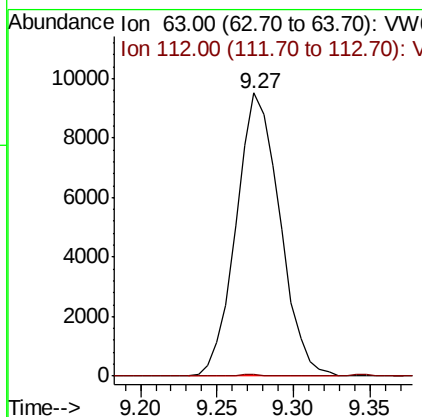
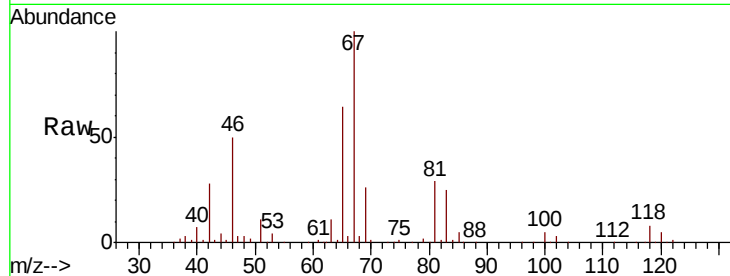




#40
 1,2-Dichloropropane
 Concen: 2.984 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016914.D
 Acq: 15 Oct 2020 16:09

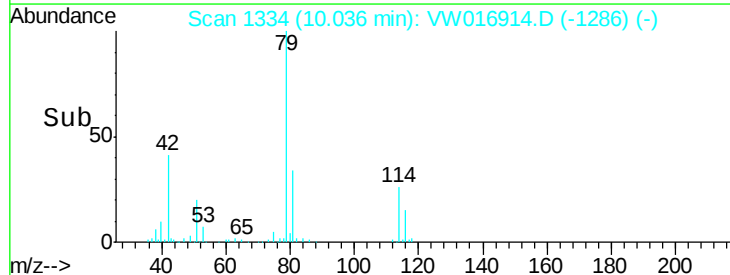
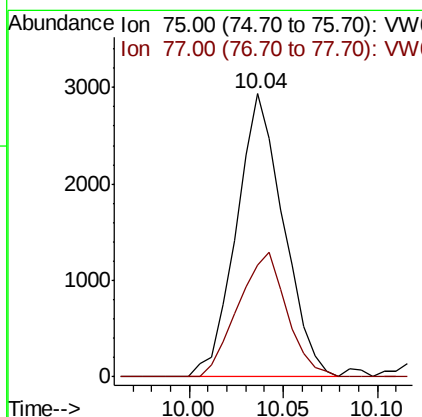
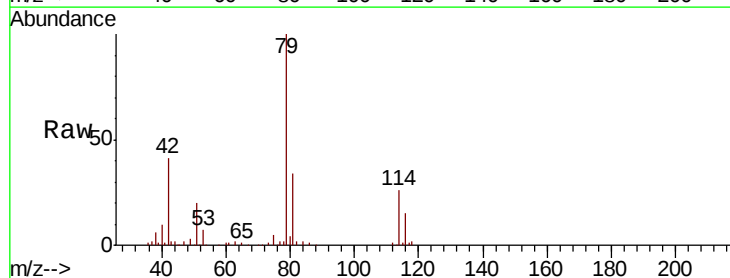
Instrument :
 MSVOA_W
 ClientSampleId :
 BG1A4

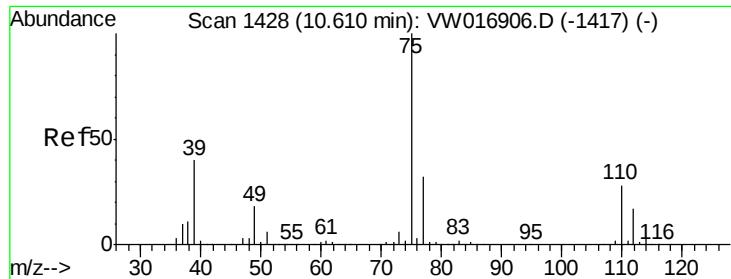
Tot Ion: 63 Resp: 18888
 Ion Ratio Lower Upper
 63 100
 112 0.2 4.5 6.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.504 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016914.D
 Acq: 15 Oct 2020 16:09

Tgt Ion: 75 Resp: 5087
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.1 41.1





#45

trans-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016914.D

Acq: 15 Oct 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

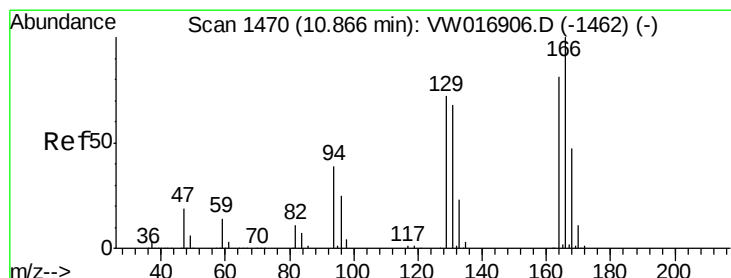
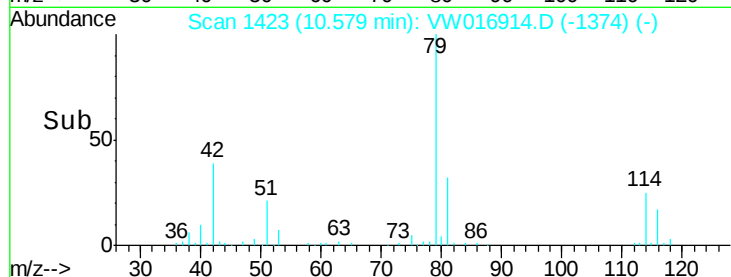
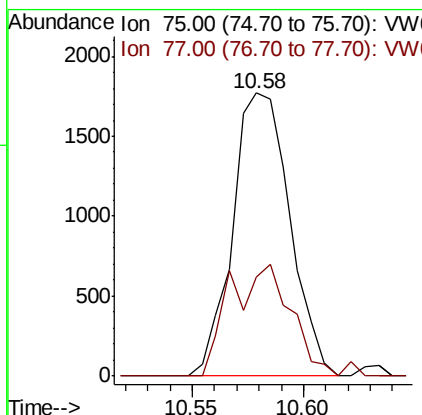
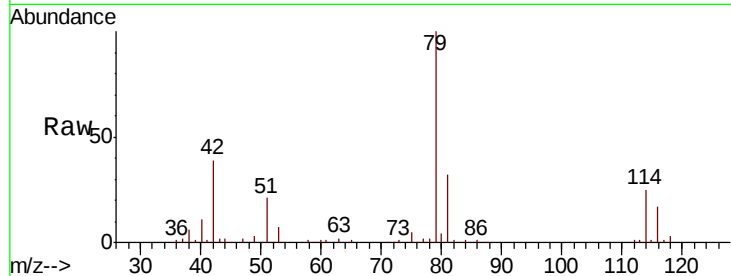
BG1A4

Tot Ion: 75 Resp: 3166

Ion Ratio Lower Upper

75 100

77 34.8 22.2 41.2



#47

Tetrachloroethene

Concen: 9.332 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016914.D

Acq: 15 Oct 2020 16:09

Tgt Ion: 164 Resp: 68499

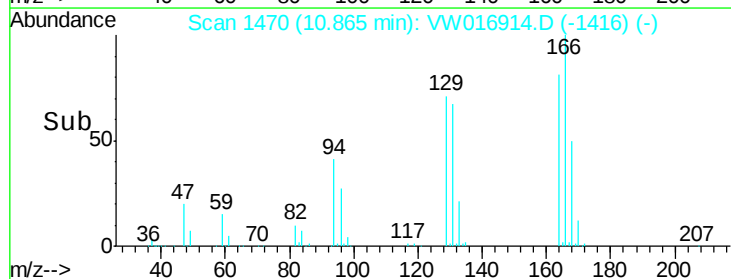
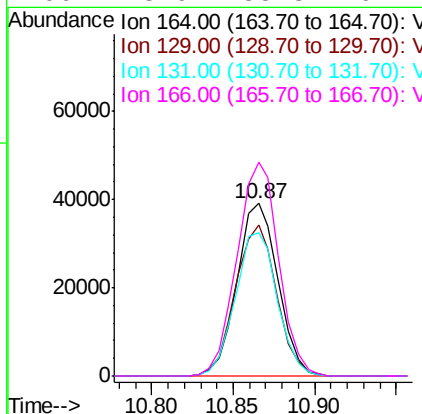
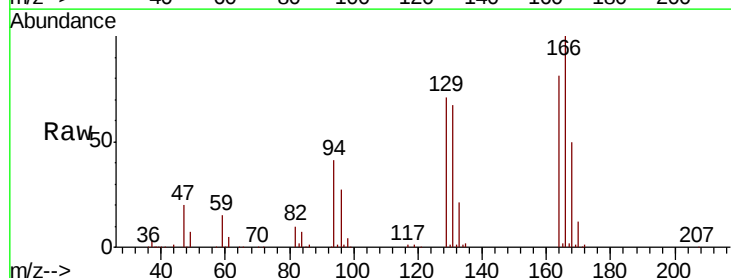
Ion Ratio Lower Upper

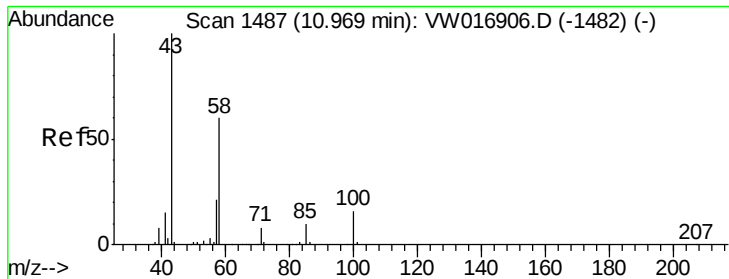
164 100

129 87.9 61.7 114.7

131 83.4 59.7 110.9

166 123.9 88.3 164.1

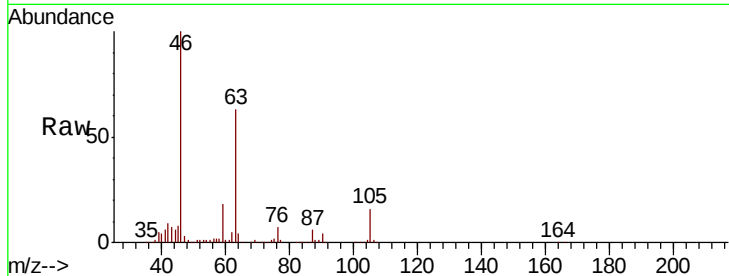




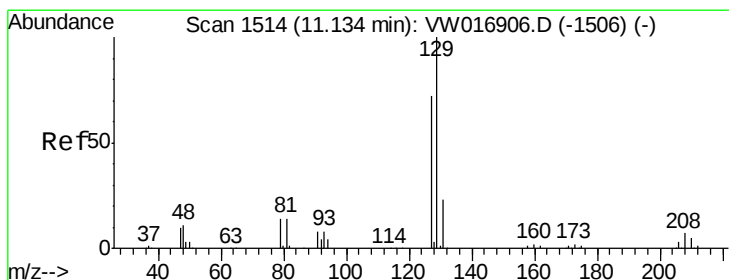
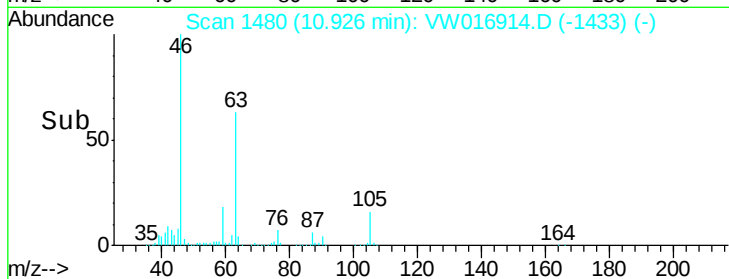
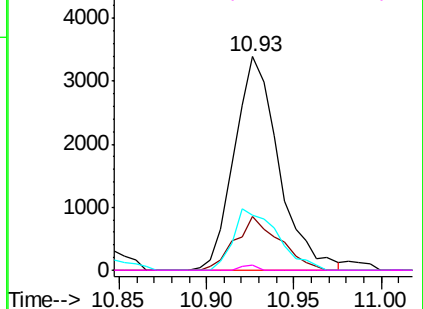
#49
2-Hexanone
Concen: 2.851 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW016914.D
Acq: 15 Oct 2020 16:09

Instrument :
MSVOA_W
ClientSampleId :
BG1A4

Tot Ion: 43 Resp: 5996
Ion Ratio Lower Upper
43 100
58 25.1 47.1 70.7#
57 28.7 16.2 24.4#
100 0.8 13.3 19.9#

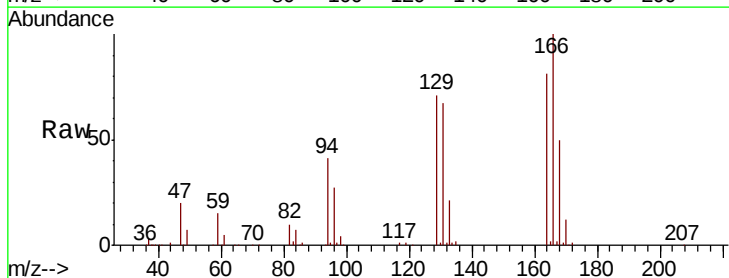


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 9.389 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.27 min
Lab File: VW016914.D
Acq: 15 Oct 2020 16:09

Tgt Ion: 129 Resp: 60055
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

